Appendix M
Hercules Glade
2001 M2

EGU												% of Modeled Extinction by Species				
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	1	23	78	358.239	-356.385	D	7.341	7.162	0.179	2.39	0	0	0	0	0	100
2001	2	23	822	358.021	-361.607	D	7.256	7.249	0.007	2.571	0	0	0	0	0	99.99
2001	3	23	1008	358.048	-354.775	D	8.563	8.553	0.01	5.476	0	0	0	0	0	99.99
2001	4	23	773	365.4	-355.32	D	8.457	8.419	0.038	5.159	0	0	0	0	0	100
2001	5	23	754	365.229	-357.075	D	7.473	7.376	0.097	2.837	0	0	0	0	0	100
2001	6	23	773	365.4	-355.32	D	6.781	6.772	0.008	1.6	0	0	0	0	0	100
2001	7	23	78	358.239	-356.385	D	7.429	7.4	0.029	2.888	0	0	0	0	0	100
2001	8	23	78	358.239	-356.385	D	8.47	8.31	0.159	4.906	0	0	0	0	0	100
2001	9	23	823	358.24	-361.604	D	9.323	9.313	0.009	7.352	0	0	0	0	0	100.01
2001	10	23	44	358.21	-361.379	D	7.331	7.331	0.001	2.742	0	0	0	0	0	99.52
2001	11	23	785	365.637	-355.06	D	8.857	8.856	0	6.207	0	0	0	0	0	98.98
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	949	365.722	-354.966	D	10.075	10.075	0.001	9.38	0	0	0	0	0	99.87
2001	14	23	15	357.659	-360.155	D	9.564	9.564	0	8.003	0	0	0	0	0	5.36
2001	15	23	78	358.239	-356.385	D	7.245	7.24	0.004	2.553	0	0	0	0	0	100.02
2001	16	23	78	358.239	-356.385	D	6.809	6.751	0.058	1.558	0	0	0	0	0	100
2001	17	23	907	365.051	-359.809	D	6.766	6.764	0.002	1.584	0	0	0	0	0	99.98
2001	18	23	822	358.021	-361.607	D	6.806	6.741	0.065	1.538	0	0	0	0	0	100
2001	19	23	823	358.24	-361.604	D	6.917	6.886	0.032	1.827	0	0	0	0	0	100.01
2001	20	23	78	358.239	-356.385	D	6.789	6.59	0.198	1.242	0	0	0	0	0	100
2001	21	23	569	362.875	-354.433	D	6.485	6.484	0	1.036	0	0	0	0	0	99.67
2001	22	23	927	365.912	-357.454	D	6.835	6.756	0.079	1.567	0	0	0	0	0	100
2001	23	23	746	364.882	-354.843	D	6.644	6.644	0	1.346	0	0	0	0	0	99.76
2001	24	23	714	364.799	-358.592	D	6.809	6.769	0.041	1.593	0	0	0	0	0	100
2001	25	23	822	358.021	-361.607	D	6.596	6.594	0.003	1.248	0	0	0	0	0	99.99
2001	26	23	949	365.722	-354.966	D	6.527	6.525	0.003	1.114	0	0	0	0	0	100.03
2001	27	23	714	364.799	-358.592	D	6.727	6.638	0.089	1.334	0	0	0	0	0	100
2001	28	23	933	366.169	-356.524	D	6.5	6.499	0.001	1.064	0	0	0	0	0	100.05
2001	29	23	1017	356.894	-355.206	D	8.264	8.263	0.002	4.796	0	0	0	0	0	99.92
2001	30	23	930	366.19	-357.232	D	6.979	6.979	0	2.015	0	0	0	0	0	94.97
2001	31	23	982	361.822	-354.666	D	7.149	7.148	0.001	2.361	0	0	0	0	0	99.9
2001	32	23	927	365.912	-357.454	D	6.488	6.488	0.001	1.042	0	0	0	0	0	99.95
2001	33	23	78	358.239	-356.385	D	6.722	6.535	0.187	1.133	0	0	0	0	0	100
2001	34	23	1017	356.894	-355.206	D	6.472	6.472	0	1.011	0	0	0	0	0	99.83
2001	35	23	949	365.722	-354.966	D	6.701	6.691	0.009	1.44	0	0	0	0	0	100
2001	36	23	927	365.912	-357.454	D	6.717	6.677	0.04	1.412	0	0	0	0	0	100
2001	37	23	955	364.92	-354.582	D	6.503	6.489	0.014	1.044	0	0	0	0	0	100
2001	38	23	832	359.493	-362.061	D	6.679	6.676	0.003	1.41	0	0	0	0	0	100

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	78	358.239	-356.385	D	9.265	9.263	0.002	7.224	0	0	0	0	0	99.95
2001	41	23	78	358.239	-356.385	D	6.68	6.621	0.059	1.301	0	0	0	0	0	100
2001	42	23	949	365.722	-354.966	D	6.477	6.47	0.007	1.008	0	0	0	0	0	100.03
2001	43	23	10	356.954	-355.443	D	6.623	6.623	0	1.305	0	0	0	0	0	99.4
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1017	356.894	-355.206	D	10.198	10.197	0.001	9.721	0	0	0	0	0	99.89
2001	46	23	1039	356.522	-357.599	D	7.371	7.281	0.09	2.638	0	0	0	0	0	100
2001	47	23	846	360.93	-362.178	D	6.661	6.622	0.039	1.304	0	0	0	0	0	100
2001	48	23	822	358.021	-361.607	D	6.522	6.521	0	1.107	0	0	0	0	0	99.75
2001	49	23	822	358.021	-361.607	D	6.489	6.471	0.018	1.011	0	0	0	0	0	99.99
2001	50	23	932	366.176	-356.761	D	6.484	6.482	0.002	1.031	0	0	0	0	0	99.94
2001	51	23	1017	356.894	-355.206	D	7.236	7.229	0.006	2.53	0	0	0	0	0	99.98
2001	52	23	907	365.051	-359.809	D	6.754	6.706	0.048	1.468	0	0	0	0	0	100
2001	53	23	927	365.912	-357.454	D	7.454	7.369	0.085	2.823	0	0	0	0	0	100
2001	54	23	1039	356.522	-357.599	D	6.837	6.804	0.033	1.664	0	0	0	0	0	100
2001	55	23	643	363.609	-354.151	D	9.604	9.604	0	8.107	0	0	0	0	0	100.47
2001	56	23	949	365.722	-354.966	D	7.369	7.366	0.002	2.817	0	0	0	0	0	99.96
2001	57	23	1017	356.894	-355.206	D	6.515	6.502	0.013	1.07	0	0	0	0	0	100.01
2001	58	23	930	366.19	-357.232	D	6.539	6.532	0.007	1.128	0	0	0	0	0	99.99
2001	59	23	1017	356.894	-355.206	D	6.895	6.848	0.048	1.751	0	0	0	0	0	100
2001	60	23	1017	356.894	-355.206	D	6.619	6.611	0.008	1.281	0	0	0	0	0	99.99
2001	61	23	927	365.912	-357.454	D	8.009	7.93	0.079	4.04	0	0	0	0	0	100
2001	62	23	986	360.908	-354.689	D	6.761	6.694	0.067	1.445	0	0	0	0	0	100
2001	63	23	822	358.021	-361.607	D	6.632	6.584	0.048	1.229	0	0	0	0	0	100
2001	64	23	823	358.24	-361.604	D	6.68	6.561	0.119	1.184	0	0	0	0	0	100
2001	65	23	78	358.239	-356.385	D	6.587	6.53	0.057	1.124	0	0	0	0	0	100
2001	66	23	1017	356.894	-355.206	D	6.51	6.471	0.039	1.009	0	0	0	0	0	100.01
2001	67	23	824	358.459	-361.601	D	6.609	6.559	0.05	1.181	0	0	0	0	0	100
2001	68	23	822	358.021	-361.607	D	6.51	6.501	0.01	1.067	0	0	0	0	0	100
2001	69	23	1008	358.048	-354.775	D	6.487	6.471	0.016	1.01	0	0	0	0	0	100
2001	70	23	947	365.801	-355.162	D	6.481	6.48	0.001	1.028	0	0	0	0	0	100
2001	71	23	309	360.636	-360.024	D	8.58	8.58	0	5.54	0	0	0	0	0	66.39
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	861	361.895	-361.506	D	7.17	7.134	0.036	2.332	0	0	0	0	0	100
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	0	0	0	0	0	59.98
2001	75	23	949	365.722	-354.966	D	7.185	7.161	0.024	2.388	0	0	0	0	0	99.99
2001	76	23	869	361.064	-360.714	D	6.771	6.654	0.117	1.367	0	0	0	0	0	100
2001	77	23	949	365.722	-354.966	D	6.51	6.503	0.007	1.072	0	0	0	0	0	100

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	78	23	1017	356.894	-355.206	D	6.486	6.472	0.014	1.012	0	0	0	0	0	100.02
2001	79	23	1005	358.679	-354.752	D	6.508	6.484	0.024	1.035	0	0	0	0	0	100
2001	80	23	2	356.535	-357.209	D	6.473	6.473	0	1.014	0	0	0	0	0	99.27
2001	81	23	1017	356.894	-355.206	D	6.493	6.492	0.001	1.05	0	0	0	0	0	100.15
2001	82	23	907	365.051	-359.809	D	6.725	6.721	0.004	1.499	0	0	0	0	0	99.97
2001	83	23	930	366.19	-357.232	D	6.701	6.69	0.011	1.437	0	0	0	0	0	99.99
2001	84	23	822	358.021	-361.607	D	6.492	6.482	0.011	1.031	0	0	0	0	0	100
2001	85	23	822	358.021	-361.607	D	6.491	6.489	0.002	1.044	0	0	0	0	0	99.98
2001	86	23	822	358.021	-361.607	D	6.482	6.468	0.013	1.005	0	0	0	0	0	100
2001	87	23	949	365.722	-354.966	D	6.484	6.482	0.002	1.031	0	0	0	0	0	99.93
2001	88	23	14	357.202	-355.432	D	6.911	6.911	0	1.878	0	0	0	0	0	89.21
2001	89	23	1017	356.894	-355.206	D	7.246	7.242	0.004	2.556	0	0	0	0	0	100
2001	90	23	966	363.538	-354.124	D	7.605	7.56	0.045	3.229	0	0	0	0	0	100
2001	91	23	102	358.487	-356.374	D	6.539	6.473	0.067	1.013	0	0	0	0	0	100
2001	92	23	929	366.032	-357.239	D	7.416	7.416	0	2.922	0	0	0	0	0	90.55
2001	93	23	747	364.871	-354.594	D	9.646	9.646	0	8.218	0	0	0	0	0	66.76
2001	94	23	949	365.722	-354.966	D	9.459	9.456	0.002	7.722	0	0	0	0	0	99.97
2001	95	23	62	357.925	-354.901	D	7.581	7.581	0	3.275	0	0	0	0	0	99.77
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	543	362.627	-354.444	D	6.528	6.528	0	1.12	0	0	0	0	0	53.83
2001	103	23	78	358.239	-356.385	D	6.608	6.559	0.048	1.181	0	0	0	0	0	100
2001	104	23	643	363.609	-354.151	D	6.699	6.699	0	1.455	0	0	0	0	0	100.29
2001	105	23	1002	359.309	-354.73	D	8.411	8.379	0.031	5.066	0	0	0	0	0	99.99
2001	106	23	1041	356.936	-357.592	D	6.528	6.489	0.038	1.045	0	0	0	0	0	100
2001	107	23	78	358.239	-356.385	D	6.526	6.477	0.049	1.021	0	0	0	0	0	100
2001	108	23	78	358.239	-356.385	D	6.52	6.479	0.041	1.026	0	0	0	0	0	100
2001	109	23	930	366.19	-357.232	D	6.54	6.54	0	1.143	0	0	0	0	0	100.11
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	643	363.609	-354.151	D	7.671	7.671	0	3.469	0	0	0	0	0	99.24
2001	114	23	927	365.912	-357.454	D	6.551	6.508	0.043	1.081	0	0	0	0	0	100
2001	115	23	949	365.722	-354.966	D	6.484	6.482	0.002	1.031	0	0	0	0	0	99.9
2001	116	23	1037	356.5	-357.195	D	6.597	6.587	0.01	1.236	0	0	0	0	0	100.01

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	955	364.92	-354.582	D	6.587	6.585	0.002	1.231	0	0	0	0	0	99.98
2001	119	23	948	365.727	-355.056	D	6.848	6.847	0	1.75	0	0	0	0	0	100.04
2001	120	23	930	366.19	-357.232	D	7.105	7.105	0	2.274	0	0	0	0	0	95.92
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	955	364.92	-354.582	D	8.257	8.213	0.044	4.681	0	0	0	0	0	100
2001	128	23	1017	356.894	-355.206	D	6.507	6.506	0.001	1.078	0	0	0	0	0	100.02
2001	129	23	966	363.538	-354.124	D	6.636	6.633	0.003	1.326	0	0	0	0	0	99.98
2001	130	23	929	366.032	-357.239	D	6.841	6.841	0	1.737	0	0	0	0	0	98.96
2001	131	23	643	363.609	-354.151	D	7.457	7.457	0	3.009	0	0	0	0	0	102.96
2001	132	23	714	364.799	-358.592	D	8.657	8.603	0.054	5.595	0	0	0	0	0	100
2001	133	23	1008	358.048	-354.775	D	6.552	6.549	0.002	1.162	0	0	0	0	0	99.96
2001	134	23	774	365.389	-355.071	D	6.771	6.771	0	1.598	0	0	0	0	0	99.88
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1007	358.259	-354.768	D	8.017	8.015	0.002	4.231	0	0	0	0	0	99.96
2001	139	23	764	365.499	-357.562	D	8.806	8.695	0.111	5.816	0	0	0	0	0	100
2001	140	23	1039	356.522	-357.599	D	7.562	7.557	0.005	3.224	0	0	0	0	0	99.99
2001	141	23	990	360.933	-355.487	D	8.672	8.644	0.029	5.692	0	0	0	0	0	100
2001	142	23	927	365.912	-357.454	D	6.56	6.55	0.01	1.163	0	0	0	0	0	100.01
2001	143	23	714	364.799	-358.592	D	6.533	6.512	0.021	1.089	0	0	0	0	0	100
2001	144	23	78	358.239	-356.385	D	6.565	6.508	0.058	1.081	0	0	0	0	0	100
2001	145	23	861	361.895	-361.506	D	6.589	6.586	0.002	1.234	0	0	0	0	0	99.92
2001	146	23	2	356.535	-357.209	D	6.573	6.572	0	1.207	0	0	0	0	0	100.06
2001	147	23	963	363.809	-354.192	D	6.758	6.757	0	1.571	0	0	0	0	0	99.5
2001	148	23	714	364.799	-358.592	D	7.009	6.974	0.035	2.005	0	0	0	0	0	100
2001	149	23	837	360.197	-362.01	D	6.86	6.858	0.002	1.77	0	0	0	0	0	99.89
2001	150	23	730	364.623	-354.605	D	8.54	8.54	0	5.445	0	0	0	0	0	99.18
2001	151	23	1008	358.048	-354.775	D	8.83	8.828	0.002	6.138	0	0	0	0	0	99.97
2001	152	23	927	365.912	-357.454	D	7.013	6.938	0.075	1.932	0	0	0	0	0	100
2001	153	23	78	358.239	-356.385	D	7.066	7.018	0.048	2.095	0	0	0	0	0	100
2001	154	23	1039	356.522	-357.599	D	7.193	7.181	0.012	2.429	0	0	0	0	0	99.99
2001	155	23	406	361.15	-354.758	D	8.881	8.881	0	6.268	0	0	0	0	0	71.14

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	1017	356.894	-355.206	D	7.491	7.49	0.001	3.08	0	0	0	0	0	100.03
2001	159	23	931	366.183	-356.996	D	7.13	7.126	0.004	2.316	0	0	0	0	0	99.95
2001	160	23	907	365.051	-359.809	D	7.372	7.356	0.016	2.795	0	0	0	0	0	100
2001	161	23	964	363.678	-354.148	D	7.041	7.029	0.011	2.118	0	0	0	0	0	99.98
2001	162	23	900	364.265	-360.243	D	7.114	7.113	0.001	2.29	0	0	0	0	0	99.69
2001	163	23	949	365.722	-354.966	D	6.925	6.924	0	1.904	0	0	0	0	0	100.22
2001	164	23	933	366.169	-356.524	D	6.976	6.976	0	2.01	0	0	0	0	0	95.82
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	967	363.478	-354.116	D	8.221	8.17	0.051	4.582	0	0	0	0	0	100
2001	167	23	949	365.722	-354.966	D	6.535	6.531	0.005	1.126	0	0	0	0	0	100.01
2001	168	23	930	366.19	-357.232	D	6.57	6.569	0	1.201	0	0	0	0	0	98.93
2001	169	23	930	366.19	-357.232	D	6.669	6.668	0.001	1.394	0	0	0	0	0	99.81
2001	170	23	247	360.217	-361.79	D	6.941	6.941	0	1.938	0	0	0	0	0	57.64
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1017	356.894	-355.206	D	7.754	7.742	0.012	3.625	0	0	0	0	0	100
2001	173	23	78	358.239	-356.385	D	6.844	6.768	0.076	1.592	0	0	0	0	0	100
2001	174	23	949	365.722	-354.966	D	6.665	6.64	0.025	1.338	0	0	0	0	0	100
2001	175	23	949	365.722	-354.966	D	6.678	6.668	0.01	1.394	0	0	0	0	0	100
2001	176	23	930	366.19	-357.232	D	7.086	7.083	0.003	2.228	0	0	0	0	0	100.02
2001	177	23	407	361.716	-361.973	D	6.928	6.922	0.005	1.901	0	0	0	0	0	99.98
2001	178	23	1008	358.048	-354.775	D	7.077	7.074	0.004	2.209	0	0	0	0	0	100.01
2001	179	23	643	363.609	-354.151	D	8.965	8.963	0.001	6.471	0	0	0	0	0	99.97
2001	180	23	1007	358.259	-354.768	D	8.357	8.357	0	5.014	0	0	0	0	0	98.73
2001	181	23	3	356.524	-356.959	D	7.862	7.862	0	3.889	0	0	0	0	0	82.7
2001	182	23	1017	356.894	-355.206	D	8.532	8.52	0.012	5.397	0	0	0	0	0	100
2001	183	23	949	365.722	-354.966	D	7.449	7.441	0.007	2.976	0	0	0	0	0	100
2001	184	23	947	365.801	-355.162	D	8.667	8.664	0.003	5.741	0	0	0	0	0	99.96
2001	185	23	770	365.433	-356.067	D	7.041	7.041	0	2.143	0	0	0	0	0	98.31
2001	186	23	1008	358.048	-354.775	D	7.056	7.048	0.009	2.156	0	0	0	0	0	100.01
2001	187	23	822	358.021	-361.607	D	6.956	6.95	0.006	1.957	0	0	0	0	0	99.98
2001	188	23	930	366.19	-357.232	D	7.737	7.736	0.001	3.612	0	0	0	0	0	100.01
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.132	7.115	0.017	2.293	0	0	0	0	0	99.99
2001	192	23	1041	356.936	-357.592	D	7.072	7.053	0.02	2.166	0	0	0	0	0	100
2001	193	23	933	366.169	-356.524	D	7.163	7.158	0.006	2.381	0	0	0	0	0	99.99
2001	194	23	932	366.176	-356.761	D	7.7	7.696	0.003	3.525	0	0	0	0	0	99.98

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	195	23	966	363.538	-354.124	D	6.607	6.603	0.004	1.267	0	0	0	0	0	99.99
2001	196	23	961	364.092	-354.289	D	6.718	6.71	0.008	1.478	0	0	0	0	0	99.99
2001	197	23	10	356.954	-355.443	D	6.982	6.982	0	2.021	0	0	0	0	0	103.99
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	730	364.623	-354.605	D	7.413	7.413	0	2.915	0	0	0	0	0	94.12
2001	202	23	941	365.977	-355.774	D	6.968	6.967	0.001	1.991	0	0	0	0	0	99.78
2001	203	23	941	365.977	-355.774	D	7.112	7.108	0.004	2.28	0	0	0	0	0	100
2001	204	23	786	365.973	-357.042	D	7.627	7.624	0.002	3.368	0	0	0	0	0	99.99
2001	205	23	1008	358.048	-354.775	D	7.756	7.753	0.002	3.65	0	0	0	0	0	99.94
2001	206	23	1017	356.894	-355.206	D	8.072	8.069	0.002	4.353	0	0	0	0	0	99.9
2001	207	23	964	363.678	-354.148	D	8.766	8.765	0.001	5.983	0	0	0	0	0	99.89
2001	208	23	964	363.678	-354.148	D	8.933	8.924	0.009	6.374	0	0	0	0	0	100
2001	209	23	964	363.678	-354.148	D	8.285	8.271	0.013	4.815	0	0	0	0	0	100
2001	210	23	949	365.722	-354.966	D	8.866	8.866	0	6.231	0	0	0	0	0	100.12
2001	211	23	949	365.722	-354.966	D	7.686	7.685	0.001	3.501	0	0	0	0	0	100.05
2001	212	23	947	365.801	-355.162	D	9.286	9.284	0.002	7.276	0	0	0	0	0	99.91
2001	213	23	785	365.637	-355.06	D	9.068	9.066	0.001	6.727	0	0	0	0	0	99.86
2001	214	23	642	363.62	-354.4	D	7.863	7.862	0	3.89	0	0	0	0	0	98.9
2001	215	23	1017	356.894	-355.206	D	6.922	6.91	0.011	1.877	0	0	0	0	0	100
2001	216	23	1039	356.522	-357.599	D	7.077	7.003	0.075	2.063	0	0	0	0	0	100
2001	217	23	1008	358.048	-354.775	D	7.018	6.999	0.019	2.056	0	0	0	0	0	99.99
2001	218	23	1035	356.477	-356.792	D	7.069	7.068	0.001	2.197	0	0	0	0	0	99.89
2001	219	23	907	365.051	-359.809	D	7.289	7.285	0.004	2.646	0	0	0	0	0	99.98
2001	220	23	961	364.092	-354.289	D	7.308	7.296	0.012	2.67	0	0	0	0	0	100
2001	221	23	949	365.722	-354.966	D	7.391	7.381	0.01	2.848	0	0	0	0	0	99.99
2001	222	23	822	358.021	-361.607	D	8.221	8.206	0.015	4.666	0	0	0	0	0	99.99
2001	223	23	822	358.021	-361.607	D	8.656	8.637	0.019	5.676	0	0	0	0	0	100
2001	224	23	822	358.021	-361.607	D	6.975	6.955	0.02	1.966	0	0	0	0	0	100
2001	225	23	930	366.19	-357.232	D	7.18	7.165	0.015	2.396	0	0	0	0	0	100
2001	226	23	731	365.047	-358.581	D	6.866	6.855	0.011	1.766	0	0	0	0	0	100
2001	227	23	853	361.666	-362.175	D	6.718	6.715	0.003	1.486	0	0	0	0	0	99.98
2001	228	23	1037	356.5	-357.195	D	7.834	7.815	0.019	3.785	0	0	0	0	0	100.01
2001	229	23	949	365.722	-354.966	D	6.767	6.761	0.006	1.578	0	0	0	0	0	99.97
2001	230	23	906	364.982	-359.812	D	6.897	6.897	0.001	1.849	0	0	0	0	0	99.83
2001	231	23	823	358.24	-361.604	D	6.939	6.917	0.022	1.891	0	0	0	0	0	100
2001	232	23	822	358.021	-361.607	D	6.744	6.741	0.003	1.537	0	0	0	0	0	100.01
2001	233	23	933	366.169	-356.524	D	7.207	7.207	0.001	2.483	0	0	0	0	0	100.14

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	255	360.129	-359.796	D	6.937	6.937	0	1.93	0	0	0	0	0	51.93
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	102	358.487	-356.374	D	8.276	8.255	0.021	4.778	0	0	0	0	0	100
2001	239	23	823	358.24	-361.604	D	7.25	7.235	0.015	2.543	0	0	0	0	0	100
2001	240	23	955	364.92	-354.582	D	7.159	7.114	0.045	2.292	0	0	0	0	0	100
2001	241	23	964	363.678	-354.148	D	6.876	6.846	0.03	1.747	0	0	0	0	0	100
2001	242	23	1008	358.048	-354.775	D	7.49	7.487	0.003	3.073	0	0	0	0	0	99.99
2001	243	23	1017	356.894	-355.206	D	7.689	7.675	0.014	3.479	0	0	0	0	0	99.99
2001	244	23	102	358.487	-356.374	D	8.28	8.257	0.022	4.784	0	0	0	0	0	100
2001	245	23	1037	356.5	-357.195	D	7.419	7.408	0.01	2.906	0	0	0	0	0	100
2001	246	23	1017	356.894	-355.206	D	7.437	7.436	0.001	2.965	0	0	0	0	0	100.02
2001	247	23	1017	356.894	-355.206	D	6.866	6.826	0.04	1.708	0	0	0	0	0	100
2001	248	23	822	358.021	-361.607	D	7.228	7.216	0.012	2.502	0	0	0	0	0	100
2001	249	23	967	363.478	-354.116	D	8.947	8.946	0.001	6.429	0	0	0	0	0	99.84
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	986	360.908	-354.689	D	8.596	8.568	0.028	5.511	0	0	0	0	0	99.99
2001	253	23	811	357.434	-360.225	D	7.001	6.975	0.027	2.007	0	0	0	0	0	100
2001	254	23	747	364.871	-354.594	D	6.701	6.697	0.004	1.451	0	0	0	0	0	99.99
2001	255	23	822	358.021	-361.607	D	6.821	6.82	0	1.696	0	0	0	0	0	99.93
2001	256	23	949	365.722	-354.966	D	6.928	6.926	0.001	1.909	0	0	0	0	0	99.93
2001	257	23	78	358.239	-356.385	D	7.09	7.051	0.039	2.162	0	0	0	0	0	100
2001	258	23	1017	356.894	-355.206	D	6.734	6.732	0.001	1.521	0	0	0	0	0	99.83
2001	259	23	1018	356.892	-355.39	D	6.687	6.686	0	1.43	0	0	0	0	0	99.55
2001	260	23	906	364.982	-359.812	D	6.93	6.929	0	1.915	0	0	0	0	0	98.93
2001	261	23	135	358.669	-354.868	D	8.862	8.862	0	6.222	0	0	0	0	0	92.47
2001	262	23	602	363.547	-358.397	D	8.226	8.103	0.123	4.43	0	0	0	0	0	100
2001	263	23	949	365.722	-354.966	D	7.053	7.045	0.008	2.149	0	0	0	0	0	99.99
2001	264	23	1039	356.522	-357.599	D	7.26	7.242	0.018	2.556	0	0	0	0	0	99.99
2001	265	23	931	366.183	-356.996	D	6.949	6.949	0	1.955	0	0	0	0	0	99.51
2001	266	23	949	365.722	-354.966	D	7.685	7.681	0.005	3.491	0	0	0	0	0	99.99
2001	267	23	191	359.732	-362.061	D	7.513	7.513	0	3.129	0	0	0	0	0	98.6
2001	268	23	907	365.051	-359.809	D	6.594	6.593	0.001	1.246	0	0	0	0	0	99.93
2001	269	23	822	358.021	-361.607	D	6.54	6.539	0.001	1.142	0	0	0	0	0	99.79
2001	270	23	949	365.722	-354.966	D	6.627	6.609	0.018	1.277	0	0	0	0	0	100
2001	271	23	102	358.487	-356.374	D	6.702	6.668	0.034	1.395	0	0	0	0	0	100
2001	272	23	853	361.666	-362.175	D	6.998	6.993	0.006	2.043	0	0	0	0	0	99.99

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	273	23	1017	356.894	-355.206	D	7.006	6.998	0.008	2.053	0	0	0	0	0	99.99
2001	274	23	927	365.912	-357.454	D	7.343	7.265	0.078	2.604	0	0	0	0	0	100
2001	275	23	907	365.051	-359.809	D	7.01	7.001	0.009	2.061	0	0	0	0	0	99.99
2001	276	23	930	366.19	-357.232	D	7.269	7.268	0	2.611	0	0	0	0	0	99.88
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	1039	356.522	-357.599	D	8.911	8.902	0.009	6.32	0	0	0	0	0	99.98
2001	279	23	927	365.912	-357.454	D	7.334	7.214	0.12	2.497	0	0	0	0	0	100
2001	280	23	1037	356.5	-357.195	D	6.571	6.552	0.018	1.168	0	0	0	0	0	100.01
2001	281	23	930	366.19	-357.232	D	6.654	6.652	0.003	1.362	0	0	0	0	0	100.01
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.22	10.218	0.002	9.779	0	0	0	0	0	99.85
2001	285	23	78	358.239	-356.385	D	9.622	9.591	0.031	8.074	0	0	0	0	0	99.99
2001	286	23	823	358.24	-361.604	D	9.837	9.836	0	8.729	0	0	0	0	0	99.41
2001	287	23	927	365.912	-357.454	D	7.059	7.052	0.007	2.163	0	0	0	0	0	99.99
2001	288	23	78	358.239	-356.385	D	6.939	6.921	0.018	1.899	0	0	0	0	0	100
2001	289	23	773	365.4	-355.32	D	7.272	7.171	0.102	2.408	0	0	0	0	0	100
2001	290	23	78	358.239	-356.385	D	6.529	6.492	0.037	1.051	0	0	0	0	0	100
2001	291	23	1016	357.1	-355.198	D	6.558	6.558	0	1.178	0	0	0	0	0	100.02
2001	292	23	955	364.92	-354.582	D	6.739	6.737	0.002	1.531	0	0	0	0	0	100.04
2001	293	23	62	357.925	-354.901	D	7.888	7.888	0	3.946	0	0	0	0	0	97.99
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	811	357.434	-360.225	D	9.526	9.514	0.012	7.873	0	0	0	0	0	100
2001	298	23	861	361.895	-361.506	D	6.535	6.53	0.005	1.124	0	0	0	0	0	99.99
2001	299	23	537	362.693	-355.939	D	6.55	6.48	0.07	1.027	0	0	0	0	0	100
2001	300	23	78	358.239	-356.385	D	6.503	6.472	0.031	1.011	0	0	0	0	0	100
2001	301	23	1017	356.894	-355.206	D	6.483	6.481	0.002	1.03	0	0	0	0	0	99.99
2001	302	23	947	365.801	-355.162	D	6.504	6.503	0.001	1.073	0	0	0	0	0	99.93
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1017	356.894	-355.206	D	9.443	9.437	0.006	7.673	0	0	0	0	0	100
2001	307	23	784	365.648	-355.309	D	9.201	9.195	0.006	7.05	0	0	0	0	0	99.96
2001	308	23	1017	356.894	-355.206	D	6.712	6.66	0.052	1.378	0	0	0	0	0	100
2001	309	23	822	358.021	-361.607	D	8.894	8.853	0.041	6.199	0	0	0	0	0	100
2001	310	23	986	360.908	-354.689	D	7.061	7.045	0.016	2.15	0	0	0	0	0	100
2001	311	23	933	366.169	-356.524	D	7.311	7.304	0.007	2.686	0	0	0	0	0	99.99

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	312	23	949	365.722	-354.966	D	7.537	7.529	0.008	3.163	0	0	0	0	0	100
2001	313	23	1017	356.894	-355.206	D	6.594	6.589	0.005	1.238	0	0	0	0	0	99.96
2001	314	23	930	366.19	-357.232	D	6.668	6.665	0.002	1.389	0	0	0	0	0	100
2001	315	23	869	361.064	-360.714	D	6.826	6.744	0.082	1.544	0	0	0	0	0	100
2001	316	23	78	358.239	-356.385	D	6.667	6.663	0.004	1.383	0	0	0	0	0	99.97
2001	317	23	929	366.032	-357.239	D	6.733	6.733	0	1.522	0	0	0	0	0	52.09
2001	318	23	1	356.546	-357.458	D	7.18	7.18	0	2.428	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	967	363.478	-354.116	D	8.25	8.222	0.028	4.702	0	0	0	0	0	100
2001	321	23	1017	356.894	-355.206	D	7.286	7.265	0.02	2.605	0	0	0	0	0	100
2001	322	23	941	365.977	-355.774	D	7.665	7.663	0.001	3.453	0	0	0	0	0	99.95
2001	323	23	966	363.538	-354.124	D	7.808	7.802	0.006	3.757	0	0	0	0	0	99.99
2001	324	23	869	361.064	-360.714	D	6.589	6.475	0.114	1.018	0	0	0	0	0	100
2001	325	23	933	366.169	-356.524	D	6.474	6.47	0.004	1.008	0	0	0	0	0	100.03
2001	326	23	386	361.369	-359.742	D	6.517	6.517	0	1.099	0	0	0	0	0	54.86
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	966	363.538	-354.124	D	7.015	7.008	0.006	2.075	0	0	0	0	0	99.98
2001	332	23	78	358.239	-356.385	D	8.667	8.642	0.025	5.687	0	0	0	0	0	100
2001	333	23	930	366.19	-357.232	D	10.126	10.113	0.013	9.486	0	0	0	0	0	99.99
2001	334	23	955	364.92	-354.582	D	8.842	8.823	0.019	6.127	0	0	0	0	0	100
2001	335	23	927	365.912	-357.454	D	6.662	6.637	0.025	1.334	0	0	0	0	0	100
2001	336	23	949	365.722	-354.966	D	6.676	6.669	0.007	1.396	0	0	0	0	0	99.99
2001	337	23	930	366.19	-357.232	D	7.02	7.02	0	2.099	0	0	0	0	0	91.27
2001	338	23	929	366.032	-357.239	D	6.991	6.991	0	2.04	0	0	0	0	0	13.12
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	907	365.051	-359.809	D	9.632	9.609	0.023	8.12	0	0	0	0	0	100.01
2001	341	23	731	365.047	-358.581	D	7.986	7.938	0.049	4.058	0	0	0	0	0	100
2001	342	23	1041	356.936	-357.592	D	7.973	7.919	0.054	4.017	0	0	0	0	0	100
2001	343	23	822	358.021	-361.607	D	6.616	6.603	0.013	1.267	0	0	0	0	0	100.02
2001	344	23	1035	356.477	-356.792	D	6.517	6.512	0.005	1.09	0	0	0	0	0	99.97
2001	345	23	930	366.19	-357.232	D	6.56	6.557	0.002	1.178	0	0	0	0	0	99.96
2001	346	23	929	366.032	-357.239	D	9.498	9.498	0	7.831	0	0	0	0	0	90.18
2001	347	23	811	357.434	-360.225	D	9.633	9.604	0.029	8.109	0	0	0	0	0	100
2001	348	23	102	358.487	-356.374	D	8.866	8.779	0.087	6.019	0	0	0	0	0	100
2001	349	23	947	365.801	-355.162	D	8.789	8.789	0	6.043	0	0	0	0	0	99.28
2001	350	23	947	365.801	-355.162	D	10.116	10.116	0	9.495	0	0	0	0	0	98.38

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	351	23	811	357.434	-360.225	D	9.433	9.409	0.023	7.599	0	0	0	0	0	99.99
2001	352	23	822	358.021	-361.607	D	6.563	6.562	0.001	1.186	0	0	0	0	0	100.08
2001	353	23	8	357.031	-357.187	D	6.868	6.769	0.099	1.594	0	0	0	0	0	100
2001	354	23	78	358.239	-356.385	D	6.569	6.471	0.098	1.01	0	0	0	0	0	100
2001	355	23	927	365.912	-357.454	D	6.504	6.495	0.009	1.055	0	0	0	0	0	100
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	927	365.912	-357.454	D	6.709	6.707	0.002	1.472	0	0	0	0	0	99.94
2001	358	23	986	360.908	-354.689	D	6.555	6.481	0.074	1.029	0	0	0	0	0	100
2001	359	23	78	358.239	-356.385	D	6.611	6.5	0.11	1.067	0	0	0	0	0	100
2001	360	23	78	358.239	-356.385	D	6.618	6.533	0.084	1.131	0	0	0	0	0	100
2001	361	23	949	365.722	-354.966	D	6.595	6.585	0.01	1.232	0	0	0	0	0	99.98
2001	362	23	773	365.4	-355.32	D	7.036	7.036	0.001	2.131	0	0	0	0	0	100.06
2001	363	23	78	358.239	-356.385	D	6.647	6.604	0.042	1.269	0	0	0	0	0	100
2001	364	23	78	358.239	-356.385	D	6.68	6.55	0.13	1.163	0	0	0	0	0	100
2001	365	23	78	358.239	-356.385	D	7.016	6.616	0.4	1.292	0	0	0	0	0	100
									0.4							
EXIDE												**% of Modeled Extinction by Species**				
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	947	365.801	-355.162	D	7.158	7.158	0	2.381	77.46	9.38	0	0	0	3.61
2001	2	23	949	365.722	-354.966	D	7.27	7.265	0.006	2.603	90.01	7.4	0	0	0	2.57
2001	3	23	941	365.977	-355.774	D	8.569	8.568	0.001	5.511	93.45	5.27	0	0	0	1.19
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	808	357.43	-359.686	D	7.404	7.4	0.004	2.888	81.18	14.77	0	0	0	4.04
2001	8	23	949	365.722	-354.966	D	8.251	8.24	0.011	4.743	86.35	10.35	0	0	0	3.3
2001	9	23	822	358.021	-361.607	D	9.327	9.313	0.014	7.352	95.25	4.21	0	0	0	0.53
2001	10	23	809	357.432	-359.845	D	7.372	7.368	0.004	2.82	96.02	2.87	0	0	0	1.08
2001	11	23	1006	358.469	-354.76	D	8.859	8.858	0.001	6.211	95.79	2.59	0	0	0	1.2
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	54.23	1.7	0	0	0	0.14
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	643	363.609	-354.151	D	6.748	6.747	0	1.551	79.53	9.27	0	0	0	10.9
2001	17	23	821	358.053	-361.416	D	6.756	6.755	0.001	1.566	82.57	9.7	0	0	0	7.69
2001	18	23	1016	357.1	-355.198	D	6.741	6.74	0	1.536	87.04	5.43	0	0	0	6.96
2001	19	23	1039	356.522	-357.599	D	6.895	6.894	0.001	1.843	82.26	11.95	0	0	0	5.85
2001	20	23	1038	356.511	-357.396	D	6.591	6.59	0.001	1.242	80.74	9.99	0	0	0	9.09

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	21	23	930	366.19	-357.232	D	6.487	6.486	0	1.04	83.83	9	0	0	0	6.96
2001	22	23	955	364.92	-354.582	D	6.756	6.756	0	1.567	88.3	6.95	0	0	0	4.25
2001	23	23	619	363.872	-360.131	D	6.636	6.636	0	1.332	82.52	3.66	0	0	0	5.15
2001	24	23	643	363.609	-354.151	D	6.769	6.769	0.001	1.593	88.69	7.41	0	0	0	3.58
2001	25	23	1	356.546	-357.458	D	6.601	6.601	0	1.262	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	62.58	21.32	0	0	0	15.26
2001	28	23	15	357.659	-360.155	D	6.501	6.501	0	1.067	85.5	7.95	0	0	0	3.41
2001	29	23	929	366.032	-357.239	D	8.327	8.327	0	4.946	22.85	0.97	0	0	0	0.28
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	52.04	2.04	0	0	0	0.4
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	947	365.801	-355.162	D	6.534	6.534	0.001	1.131	75.18	13.07	0	0	0	11.62
2001	34	23	929	366.032	-357.239	D	6.47	6.47	0	1.009	68.72	12.18	0	0	0	8.87
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	966	363.538	-354.124	D	6.489	6.489	0	1.044	82.23	3.9	0	0	0	12.72
2001	38	23	62	357.925	-354.901	D	6.686	6.686	0	1.429	87.2	5.56	0	0	0	6.89
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	836	360.07	-362.066	D	9.307	9.295	0.013	7.304	95.03	4.44	0	0	0	0.53
2001	41	23	16	357.648	-359.906	D	6.621	6.621	0.001	1.301	80.39	10.37	0	0	0	9.15
2001	42	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	6.623	6.623	0	1.305	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	10.197	10.197	0	9.721	0	0	0	0	0	0
2001	46	23	934	366.01	-356.526	D	7.483	7.477	0.006	3.052	95.21	3.11	0	0	0	1.69
2001	47	23	1035	356.477	-356.792	D	6.627	6.626	0.001	1.312	85.21	8.72	0	0	0	6.03
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	6.471	6.471	0	1.011	0	0	0	0	0	0
2001	50	23	929	366.032	-357.239	D	6.482	6.482	0	1.031	65.45	3.35	0	0	0	2.39
2001	51	23	299	360.19	-355.549	D	7.205	7.205	0	2.48	87.13	1.22	0	0	0	2.73
2001	52	23	15	357.659	-360.155	D	6.729	6.729	0	1.514	95.61	3.09	0	0	0	1.79
2001	53	23	16	357.648	-359.906	D	7.366	7.366	0	2.816	94.72	3.44	0	0	0	0.7
2001	54	23	1	356.546	-357.458	D	6.804	6.804	0	1.664	0	0	0	0	0	0
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	929	366.032	-357.239	D	6.502	6.502	0	1.069	92.68	1.78	0	0	0	5
2001	58	23	929	366.032	-357.239	D	6.532	6.532	0	1.128	94.26	2.83	0	0	0	2.7
2001	59	23	1	356.546	-357.458	D	6.848	6.848	0	1.751	96.23	3.03	0	0	0	0.8

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	60	23	15	357.659	-360.155	D	6.605	6.605	0	1.27	94.34	1.9	0	0	0	1
2001	61	23	746	364.882	-354.843	D	7.93	7.93	0	4.04	94.64	1.4	0	0	0	0.37
2001	62	23	2	356.535	-357.209	D	6.693	6.693	0	1.444	74.98	1.57	0	0	0	4.55
2001	63	23	1035	356.477	-356.792	D	6.588	6.586	0.001	1.234	94.26	2.72	0	0	0	2.95
2001	64	23	1	356.546	-357.458	D	6.563	6.562	0	1.187	81.72	6.37	0	0	0	11.89
2001	65	23	810	357.434	-360.005	D	6.528	6.527	0.001	1.119	86.29	5.91	0	0	0	7.76
2001	66	23	1035	356.477	-356.792	D	6.471	6.471	0	1.009	91.6	1.64	0	0	0	6.72
2001	67	23	949	365.722	-354.966	D	6.567	6.565	0.002	1.192	91.05	3.6	0	0	0	5.33
2001	68	23	811	357.434	-360.225	D	6.501	6.501	0.001	1.067	82.6	6.31	0	0	0	11.15
2001	69	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	80.11	3.44	0	0	0	5.88
2001	70	23	929	366.032	-357.239	D	6.48	6.48	0	1.028	101	1.75	0	0	0	4.59
2001	71	23	247	360.217	-361.79	D	8.58	8.58	0	5.54	79.33	1.1	0	0	0	1.26
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	247	360.217	-361.79	D	9.85	9.85	0	8.766	56.62	1.78	0	0	0	0.21
2001	75	23	16	357.648	-359.906	D	7.165	7.165	0.001	2.396	83.24	8.13	0	0	0	8.35
2001	76	23	1	356.546	-357.458	D	6.656	6.655	0	1.369	84.31	7.01	0	0	0	8.32
2001	77	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	6.484	6.484	0	1.035	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	6.473	6.473	0	1.014	0	0	0	0	0	0
2001	81	23	1	356.546	-357.458	D	6.492	6.492	0	1.05	0	0	0	0	0	0
2001	82	23	1	356.546	-357.458	D	6.712	6.712	0	1.48	0	0	0	0	0	0
2001	83	23	1	356.546	-357.458	D	6.686	6.686	0	1.43	0	0	0	0	0	0
2001	84	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	6.491	6.491	0	1.048	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	6.468	6.468	0	1.005	0	0	0	0	0	0
2001	87	23	3	356.524	-356.959	D	6.483	6.483	0	1.034	94.48	1.85	0	0	0	2.22
2001	88	23	254	360.14	-360.046	D	6.978	6.978	0	2.013	97.05	1.32	0	0	0	0.96
2001	89	23	810	357.434	-360.005	D	7.266	7.266	0	2.605	98.52	0.75	0	0	0	0.65
2001	90	23	932	366.176	-356.761	D	7.727	7.726	0.001	3.59	96.99	1.11	0	0	0	1.95
2001	91	23	822	358.021	-361.607	D	6.473	6.473	0	1.014	86.64	3.96	0	0	0	9.23
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	1016	357.1	-355.198	D	8.379	8.379	0	5.066	93.49	0.37	0	0	0	5.7
2001	106	23	934	366.01	-356.526	D	6.493	6.491	0.001	1.049	93.66	0.81	0	0	0	5.49
2001	107	23	775	365.747	-357.551	D	6.477	6.477	0	1.022	83.22	5.49	0	0	0	10.9
2001	108	23	10	356.954	-355.443	D	6.48	6.479	0	1.026	94.41	0.64	0	0	0	4.55
2001	109	23	518	362.39	-354.704	D	6.54	6.54	0	1.143	96.56	0.7	0	0	0	2.69
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	172	359.363	-359.331	D	6.507	6.507	0	1.08	82.97	2.36	0	0	0	13.61
2001	115	23	1	356.546	-357.458	D	6.482	6.482	0	1.03	92.61	1.02	0	0	0	5.83
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	6.862	6.862	0	1.778	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	811	357.434	-360.225	D	8.16	8.16	0	4.56	93.57	0.32	0	0	0	6.01
2001	128	23	62	357.925	-354.901	D	6.507	6.506	0.001	1.078	93.89	0.32	0	0	0	5.8
2001	129	23	933	366.169	-356.524	D	6.637	6.636	0.001	1.33	96.82	0.15	0	0	0	2.87
2001	130	23	929	366.032	-357.239	D	6.841	6.841	0	1.737	97.61	0.08	0	0	0	1.28
2001	131	23	247	360.217	-361.79	D	7.43	7.43	0	2.951	30.67	0	0	0	0	0.4
2001	132	23	3	356.524	-356.959	D	8.548	8.544	0.005	5.453	97.52	2.05	0	0	0	0.39
2001	133	23	2	356.535	-357.209	D	6.55	6.549	0	1.162	97.2	0.04	0	0	0	2.27
2001	134	23	929	366.032	-357.239	D	6.785	6.785	0	1.626	97.55	0.05	0	0	0	1.24
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	138	23	1	356.546	-357.458	D	8.015	8.015	0	4.231	0	0	0	0	0	0
2001	139	23	1	356.546	-357.458	D	8.652	8.652	0	5.713	0	0	0	0	0	0
2001	140	23	1	356.546	-357.458	D	7.557	7.557	0	3.224	0	0	0	0	0	0
2001	141	23	747	364.871	-354.594	D	8.644	8.644	0	5.692	87.14	1.41	0	0	0	5.44
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	747	364.871	-354.594	D	6.974	6.974	0	2.005	95.3	0.03	0	0	0	4.05
2001	149	23	949	365.722	-354.966	D	6.85	6.848	0.002	1.752	97.67	0.17	0	0	0	2.14
2001	150	23	642	363.62	-354.4	D	8.54	8.54	0	5.445	94.64	0.39	0	0	0	1.04
2001	151	23	1	356.546	-357.458	D	8.828	8.828	0	6.138	0	0	0	0	0	0
2001	152	23	3	356.524	-356.959	D	6.94	6.939	0.001	1.934	96.68	1.01	0	0	0	2.21
2001	153	23	1035	356.477	-356.792	D	7.018	7.018	0	2.095	90.26	2.55	0	0	0	6.91
2001	154	23	785	365.637	-355.06	D	7.159	7.158	0.001	2.383	97.64	0.61	0	0	0	1.39
2001	155	23	62	357.925	-354.901	D	8.898	8.898	0	6.309	66.33	0.61	0	0	0	0.31
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	643	363.609	-354.151	D	7.493	7.492	0.001	3.084	98.38	0.17	0	0	0	1.42
2001	159	23	934	366.01	-356.526	D	7.133	7.126	0.007	2.316	98.92	0.15	0	0	0	0.91
2001	160	23	996	360.121	-355.113	D	7.362	7.356	0.006	2.795	99.09	0.1	0	0	0	0.8
2001	161	23	1017	356.894	-355.206	D	7.049	7.047	0.002	2.153	99.02	0.03	0	0	0	0.88
2001	162	23	933	366.169	-356.524	D	7.179	7.179	0.001	2.424	99.34	0.02	0	0	0	0.58
2001	163	23	933	366.169	-356.524	D	6.949	6.949	0	1.955	98.14	0.01	0	0	0	0.57
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	28	357.918	-360.393	D	6.557	6.557	0	1.176	96.27	0.01	0	0	0	3.1
2001	169	23	1	356.546	-357.458	D	6.665	6.664	0	1.387	97.38	0.02	0	0	0	1.86
2001	170	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	299	360.19	-355.549	D	7.73	7.73	0	3.598	97.43	0.19	0	0	0	0.78
2001	173	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	93.74	0.07	0	0	0	6.55
2001	174	23	822	358.021	-361.607	D	6.638	6.637	0.001	1.333	95.37	0.05	0	0	0	4.58
2001	175	23	927	365.912	-357.454	D	6.669	6.668	0.001	1.394	96.93	0.05	0	0	0	2.82
2001	176	23	191	359.732	-362.061	D	7.127	7.125	0.002	2.313	98.86	0.08	0	0	0	1.11

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	177	23	1017	356.894	-355.206	D	6.936	6.935	0.001	1.926	98.71	0.05	0	0	0	1.12
2001	178	23	1017	356.894	-355.206	D	7.075	7.074	0.001	2.209	99.38	0.04	0	0	0	0.91
2001	179	23	406	361.15	-354.758	D	8.964	8.963	0.001	6.471	99.54	0.1	0	0	0	0.26
2001	180	23	296	360.223	-356.297	D	8.433	8.433	0	5.191	98.06	0.04	0	0	0	0.36
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	10	356.954	-355.443	D	8.52	8.52	0	5.397	93.79	0.01	0	0	0	2.06
2001	183	23	1017	356.894	-355.206	D	7.426	7.425	0.001	2.942	98.15	0.43	0	0	0	1.11
2001	184	23	933	366.169	-356.524	D	8.781	8.781	0	6.023	99.12	0.02	0	0	0	0.41
2001	185	23	1	356.546	-357.458	D	7.034	7.034	0	2.127	0	0	0	0	0	0
2001	186	23	1	356.546	-357.458	D	7.048	7.048	0	2.156	0	0	0	0	0	0
2001	187	23	255	360.129	-359.796	D	6.95	6.95	0	1.956	81.79	0	0	0	0	1
2001	188	23	645	364.109	-359.871	D	7.748	7.748	0	3.637	99.13	0.01	0	0	0	0.5
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.119	7.115	0.005	2.293	98.96	0.12	0	0	0	0.91
2001	192	23	822	358.021	-361.607	D	7.061	7.06	0.001	2.181	98.72	0.04	0	0	0	0.97
2001	193	23	191	359.732	-362.061	D	7.437	7.437	0	2.967	99.15	0.03	0	0	0	0.56
2001	194	23	191	359.732	-362.061	D	7.801	7.801	0	3.754	98.38	0.24	0	0	0	0.37
2001	195	23	1	356.546	-357.458	D	6.6	6.6	0	1.261	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	6.705	6.705	0	1.466	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.402	7.402	0	2.893	0	0	0	0	0	0
2001	202	23	1	356.546	-357.458	D	6.931	6.931	0	1.918	0	0	0	0	0	0
2001	203	23	1	356.546	-357.458	D	7.051	7.051	0	2.163	0	0	0	0	0	0
2001	204	23	1	356.546	-357.458	D	7.546	7.546	0	3.199	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.753	7.753	0	3.65	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	8.069	8.069	0	4.353	0	0	0	0	0	0
2001	207	23	406	361.15	-354.758	D	8.765	8.765	0	5.983	85.07	0.27	0	0	0	0.64
2001	208	23	1	356.546	-357.458	D	8.924	8.924	0	6.374	0	0	0	0	0	0
2001	209	23	1	356.546	-357.458	D	8.225	8.225	0	4.71	0	0	0	0	0	0
2001	210	23	785	365.637	-355.06	D	8.866	8.866	0	6.231	99.33	0.01	0	0	0	1.58
2001	211	23	948	365.727	-355.056	D	7.685	7.685	0	3.501	98.46	0.02	0	0	0	0.74
2001	212	23	1	356.546	-357.458	D	9.208	9.208	0	7.085	0	0	0	0	0	0
2001	213	23	1	356.546	-357.458	D	9.041	9.041	0	6.663	0	0	0	0	0	0
2001	214	23	1	356.546	-357.458	D	7.804	7.804	0	3.76	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	6.91	6.91	0	1.877	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	216	23	1	356.546	-357.458	D	7.003	7.003	0	2.063	0	0	0	0	0	0
2001	217	23	1	356.546	-357.458	D	6.999	6.999	0	2.056	0	0	0	0	0	0
2001	218	23	1	356.546	-357.458	D	7.068	7.068	0	2.197	0	0	0	0	0	0
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	1017	356.894	-355.206	D	8.295	8.294	0.002	4.868	98.39	0.06	0	0	0	1.47
2001	223	23	853	361.666	-362.175	D	8.659	8.646	0.013	5.699	99.14	0.51	0	0	0	0.36
2001	224	23	929	366.032	-357.239	D	7.018	7.018	0	2.095	98.26	0.13	0	0	0	0.91
2001	225	23	899	364.071	-360.247	D	7.158	7.158	0	2.382	98.31	0.38	0	0	0	0.65
2001	226	23	1	356.546	-357.458	D	6.843	6.843	0	1.74	15.78	0	0	0	0	0.23
2001	227	23	1	356.546	-357.458	D	6.725	6.725	0	1.506	0	0	0	0	0	0
2001	228	23	955	364.92	-354.582	D	7.884	7.883	0.001	3.937	98.2	1.29	0	0	0	0.37
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	544	363.15	-360.662	D	6.898	6.898	0	1.853	85.41	0.05	0	0	0	1
2001	231	23	949	365.722	-354.966	D	6.914	6.913	0.001	1.881	95.24	0.77	0	0	0	4.16
2001	232	23	1	356.546	-357.458	D	6.739	6.739	0	1.533	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.263	7.263	0	2.6	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	6.921	6.921	0	1.898	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	967	363.478	-354.116	D	8.265	8.259	0.006	4.788	97.3	1.92	0	0	0	0.75
2001	239	23	852	361.595	-362.148	D	7.22	7.22	0	2.511	98.03	0.04	0	0	0	1.85
2001	240	23	985	361.137	-354.683	D	7.115	7.114	0	2.292	98.34	0.04	0	0	0	1.49
2001	241	23	948	365.727	-355.056	D	6.847	6.846	0.001	1.747	98.24	0.05	0	0	0	1.55
2001	242	23	933	366.169	-356.524	D	7.54	7.539	0.001	3.185	99.2	0.17	0	0	0	0.68
2001	243	23	406	361.15	-354.758	D	7.675	7.675	0	3.479	97.5	0.07	0	0	0	0.97
2001	244	23	933	366.169	-356.524	D	8.592	8.589	0.003	5.561	99.29	0.21	0	0	0	0.47
2001	245	23	933	366.169	-356.524	D	7.443	7.44	0.004	2.972	99.07	0.28	0	0	0	0.63
2001	246	23	1017	356.894	-355.206	D	7.437	7.436	0.001	2.965	99.17	0.03	0	0	0	0.69
2001	247	23	1008	358.048	-354.775	D	6.828	6.826	0.001	1.708	97.95	0.02	0	0	0	1.92
2001	248	23	1017	356.894	-355.206	D	7.211	7.209	0.002	2.488	98.56	0.05	0	0	0	1.37
2001	249	23	10	356.954	-355.443	D	8.956	8.956	0	6.452	99.32	0.02	0	0	0	0.25
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1006	358.469	-354.76	D	8.548	8.546	0.002	5.459	94.24	0.27	0	0	0	5.42
2001	253	23	930	366.19	-357.232	D	6.949	6.946	0.002	1.949	96.1	0.37	0	0	0	3.51
2001	254	23	3	356.524	-356.959	D	6.7	6.7	0	1.456	96.26	0.11	0	0	0	3.51

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	255	23	929	366.032	-357.239	D	6.848	6.848	0	1.75	97.09	0.19	0	0	0	1.82
2001	256	23	946	365.798	-355.322	D	6.927	6.926	0	1.909	98.09	0.09	0	0	0	1.45
2001	257	23	247	360.217	-361.79	D	7.075	7.075	0	2.211	98.06	0.09	0	0	0	1.11
2001	258	23	1	356.546	-357.458	D	6.732	6.732	0	1.521	94.32	0.03	0	0	0	1.31
2001	259	23	929	366.032	-357.239	D	6.677	6.677	0	1.412	78.34	0.08	0	0	0	1.48
2001	260	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	8.862	8.862	0	6.222	0	0	0	0	0	0
2001	262	23	811	357.434	-360.225	D	7.998	7.998	0	4.192	93.8	0.27	0	0	0	5.23
2001	263	23	16	357.648	-359.906	D	7.025	7.025	0	2.109	95.95	0.03	0	0	0	2.23
2001	264	23	965	363.588	-354.142	D	7.246	7.244	0.001	2.561	97.95	0.16	0	0	0	1.73
2001	265	23	1035	356.477	-356.792	D	6.946	6.945	0.001	1.947	97.22	0.36	0	0	0	2.42
2001	266	23	254	360.14	-360.046	D	7.618	7.616	0.002	3.35	98.18	0.72	0	0	0	1.03
2001	267	23	853	361.666	-362.175	D	7.568	7.568	0	3.246	97.8	1.47	0	0	0	0.73
2001	268	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	6.541	6.541	0	1.146	0	0	0	0	0	0
2001	270	23	1	356.546	-357.458	D	6.613	6.613	0	1.287	0	0	0	0	0	0
2001	271	23	62	357.925	-354.901	D	6.669	6.668	0	1.395	97.97	0.29	0	0	0	2.13
2001	272	23	929	366.032	-357.239	D	6.976	6.976	0	2.01	21.83	0.01	0	0	0	0.53
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.263	7.263	0	2.601	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	6.99	6.99	0	2.038	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	810	357.434	-360.005	D	8.916	8.915	0.001	6.351	98.01	1.42	0	0	0	0.3
2001	279	23	709	364.375	-354.616	D	7.214	7.214	0	2.497	90.07	1.55	0	0	0	7.23
2001	280	23	929	366.032	-357.239	D	6.55	6.55	0	1.163	94.18	0.92	0	0	0	4.6
2001	281	23	406	361.15	-354.758	D	6.654	6.653	0	1.365	95.59	0.39	0	0	0	2.81
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	10	356.954	-355.443	D	10.218	10.218	0	9.779	97.21	0.45	0	0	0	0.52
2001	285	23	1017	356.894	-355.206	D	9.594	9.591	0.003	8.074	97.73	1.78	0	0	0	0.45
2001	286	23	934	366.01	-356.526	D	9.93	9.927	0.003	8.975	98.22	1.02	0	0	0	0.69
2001	287	23	930	366.19	-357.232	D	7.147	7.144	0.003	2.354	97.67	1.59	0	0	0	0.76
2001	288	23	929	366.032	-357.239	D	6.942	6.942	0	1.941	68.93	5.49	0	0	0	0.52
2001	289	23	810	357.434	-360.005	D	7.209	7.204	0.005	2.477	95.3	3.67	0	0	0	1.06
2001	290	23	1	356.546	-357.458	D	6.493	6.492	0.001	1.051	88.36	3.38	0	0	0	8.27
2001	291	23	929	366.032	-357.239	D	6.559	6.559	0	1.18	96.14	1.19	0	0	0	2.52
2001	292	23	10	356.954	-355.443	D	6.741	6.741	0	1.537	93.15	1.99	0	0	0	7.49
2001	293	23	995	360.315	-355.11	D	7.994	7.994	0	4.184	97.41	1.11	0	0	0	1

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	934	366.01	-356.526	D	9.579	9.577	0.001	8.039	95.61	2.45	0	0	0	1.85
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	679	364.226	-356.87	D	6.472	6.472	0	1.012	81.28	7.3	0	0	0	10.91
2001	301	23	10	356.954	-355.443	D	6.481	6.481	0	1.03	86.17	0.57	0	0	0	2.69
2001	302	23	247	360.217	-361.79	D	6.503	6.503	0	1.071	86.81	0.17	0	0	0	1.28
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	949	365.722	-354.966	D	9.199	9.195	0.005	7.05	96.92	2.53	0	0	0	0.5
2001	308	23	1007	358.259	-354.768	D	6.66	6.66	0	1.378	97.56	0.33	0	0	0	2.23
2001	309	23	949	365.722	-354.966	D	8.883	8.864	0.019	6.227	96.67	2.55	0	0	0	0.78
2001	310	23	1017	356.894	-355.206	D	7.121	7.115	0.006	2.293	97.75	0.86	0	0	0	1.41
2001	311	23	228	359.881	-359.807	D	7.378	7.375	0.003	2.836	98.64	0.34	0	0	0	1.06
2001	312	23	933	366.169	-356.524	D	7.602	7.601	0.001	3.318	97.8	0.33	0	0	0	1.94
2001	313	23	115	358.889	-359.851	D	6.589	6.589	0	1.238	90.72	0.09	0	0	0	1.84
2001	314	23	247	360.217	-361.79	D	6.673	6.672	0	1.402	92.94	2.44	0	0	0	4.21
2001	315	23	949	365.722	-354.966	D	6.729	6.729	0	1.514	89.87	2.15	0	0	0	7.53
2001	316	23	822	358.021	-361.607	D	6.665	6.664	0	1.387	92.34	1.35	0	0	0	5.35
2001	317	23	1	356.546	-357.458	D	6.761	6.761	0	1.578	95.72	0.82	0	0	0	2.51
2001	318	23	929	366.032	-357.239	D	7.178	7.178	0	2.424	24.55	0.03	0	0	0	0.29
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	1017	356.894	-355.206	D	7.829	7.828	0.001	3.814	70.54	24.86	0	0	0	4.33
2001	324	23	608	363.481	-356.902	D	6.475	6.474	0.001	1.016	72.16	10.56	0	0	0	17.12
2001	325	23	906	364.982	-359.812	D	6.47	6.47	0	1.008	89.7	3.67	0	0	0	6.35
2001	326	23	564	362.93	-355.678	D	6.517	6.517	0	1.099	93.86	1.59	0	0	0	2.58
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	852	361.595	-362.148	D	8.702	8.7	0.002	5.828	87.6	9.52	0	0	0	2.7

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	333	23	710	364.843	-359.589	D	10.036	10.036	0	9.273	83.64	3.49	0	0	0	0.16
2001	334	23	16	357.648	-359.906	D	8.824	8.823	0.001	6.126	86.71	10.59	0	0	0	2.43
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	785	365.637	-355.06	D	7.938	7.938	0	4.058	92.26	4.1	0	0	0	1.34
2001	342	23	934	366.01	-356.526	D	8.095	8.094	0.002	4.409	95.12	3.99	0	0	0	0.89
2001	343	23	1039	356.522	-357.599	D	6.6	6.6	0	1.26	82.11	6.91	0	0	0	12.29
2001	344	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	90.54	4.49	0	0	0	5.39
2001	345	23	1	356.546	-357.458	D	6.558	6.558	0	1.178	93.6	3.24	0	0	0	3.5
2001	346	23	1	356.546	-357.458	D	9.566	9.566	0	8.007	0	0	0	0	0	0
2001	347	23	3	356.524	-356.959	D	9.597	9.597	0	8.089	93.32	4.42	0	0	0	0.48
2001	348	23	822	358.021	-361.607	D	8.798	8.785	0.013	6.033	94.15	4.92	0	0	0	0.92
2001	349	23	949	365.722	-354.966	D	8.8	8.789	0.01	6.043	96.96	2.46	0	0	0	0.56
2001	350	23	1	356.546	-357.458	D	10.116	10.116	0	9.495	0	0	0	0	0	0
2001	351	23	1035	356.477	-356.792	D	9.421	9.409	0.012	7.599	92.42	6.2	0	0	0	1.37
2001	352	23	774	365.389	-355.071	D	6.57	6.57	0	1.203	82.59	6.7	0	0	0	7.86
2001	353	23	1	356.546	-357.458	D	6.77	6.769	0	1.594	87.4	8.74	0	0	0	3.7
2001	354	23	44	358.21	-361.379	D	6.471	6.471	0	1.009	76.9	10.45	0	0	0	11.56
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	255	360.129	-359.796	D	7.222	7.222	0	2.514	18.48	0.62	0	0	0	0.23
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	747	364.871	-354.594	D	6.481	6.481	0	1.029	73.08	13.18	0	0	0	13.52
2001	359	23	158	358.961	-355.853	D	6.501	6.5	0.001	1.067	69.59	14.5	0	0	0	15.98
2001	360	23	1	356.546	-357.458	D	6.534	6.533	0.001	1.131	62.28	19.4	0	0	0	18.16
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	822	358.021	-361.607	D	6.604	6.604	0.001	1.268	77.32	11.73	0	0	0	10.58
2001	364	23	926	365.787	-357.56	D	6.552	6.55	0.002	1.163	71.65	13.99	0	0	0	14.29
2001	365	23	931	366.183	-356.996	D	6.616	6.616	0	1.292	73.86	14.47	0	0	0	11.49
									0.019							
TRIGEN KC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	784	365.648	-355.309	D	7.162	7.158	0.005	2.381	85.31	13.58	0	0	0	1.09

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	2	23	949	365.722	-354.966	D	7.304	7.265	0.039	2.603	94.68	5.08	0	0	0	0.23
2001	3	23	941	365.977	-355.774	D	8.585	8.568	0.017	5.511	96.66	3.24	0	0	0	0.08
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	809	357.432	-359.845	D	7.407	7.4	0.008	2.888	84.61	14.79	0	0	0	0.59
2001	8	23	949	365.722	-354.966	D	8.283	8.24	0.043	4.743	89.3	10.26	0	0	0	0.44
2001	9	23	822	358.021	-361.607	D	9.371	9.313	0.058	7.352	97.11	2.83	0	0	0	0.06
2001	10	23	809	357.432	-359.845	D	7.392	7.368	0.024	2.82	97.24	2.66	0	0	0	0.1
2001	11	23	966	363.538	-354.124	D	8.858	8.856	0.001	6.207	98.08	1.73	0	0	0	0.14
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	930	366.19	-357.232	D	6.752	6.746	0.006	1.549	84.7	13.82	0	0	0	1.43
2001	17	23	822	358.021	-361.607	D	6.755	6.755	0	1.566	90.62	9.01	0	0	0	0.77
2001	18	23	1017	356.894	-355.206	D	6.742	6.74	0.002	1.536	95.91	3.46	0	0	0	0.62
2001	19	23	906	364.982	-359.812	D	6.876	6.873	0.002	1.802	92.67	6.53	0	0	0	0.74
2001	20	23	809	357.432	-359.845	D	6.593	6.59	0.003	1.242	82.49	15.79	0	0	0	1.76
2001	21	23	941	365.977	-355.774	D	6.484	6.484	0	1.036	86.63	11.43	0	0	0	1.02
2001	22	23	949	365.722	-354.966	D	6.756	6.756	0	1.567	88.2	10.52	0	0	0	0.62
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	1017	356.894	-355.206	D	6.774	6.768	0.005	1.592	94.98	4.66	0	0	0	0.31
2001	25	23	1	356.546	-357.458	D	6.601	6.601	0	1.262	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	27	23	1035	356.477	-356.792	D	6.638	6.637	0.001	1.333	79.08	18.03	0	0	0	2.78
2001	28	23	1	356.546	-357.458	D	6.503	6.503	0	1.072	90.03	8.97	0	0	0	0.54
2001	29	23	1	356.546	-357.458	D	8.263	8.263	0	4.796	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	949	365.722	-354.966	D	6.538	6.534	0.004	1.131	82.43	15.18	0	0	0	2.41
2001	34	23	930	366.19	-357.232	D	6.47	6.47	0	1.009	88.81	9.92	0	0	0	1.08
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	966	363.538	-354.124	D	6.489	6.489	0	1.044	95.99	2.53	0	0	0	1.59
2001	38	23	966	363.538	-354.124	D	6.685	6.684	0.001	1.426	93.35	5.72	0	0	0	0.84
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	986	360.908	-354.689	D	9.319	9.296	0.023	7.308	95.58	4.33	0	0	0	0.08

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	41	23	1039	356.522	-357.599	D	6.622	6.621	0.002	1.301	84.5	13.26	0	0	0	2.2
2001	42	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	6.623	6.623	0	1.305	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	10	356.954	-355.443	D	10.197	10.197	0	9.721	96.91	2.66	0	0	0	0.03
2001	46	23	836	360.07	-362.066	D	7.498	7.421	0.076	2.934	97.81	2.04	0	0	0	0.16
2001	47	23	1038	356.511	-357.396	D	6.652	6.626	0.026	1.312	94.78	4.83	0	0	0	0.38
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	6.472	6.471	0	1.011	94.89	4.38	0	0	0	0.68
2001	50	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	92.94	4.09	0	0	0	0.42
2001	51	23	642	363.62	-354.4	D	7.205	7.205	0	2.48	97.92	0.85	0	0	0	0.29
2001	52	23	810	357.434	-360.005	D	6.73	6.729	0.001	1.514	97.74	2.14	0	0	0	0.17
2001	53	23	1035	356.477	-356.792	D	7.367	7.366	0.001	2.816	96.99	2.57	0	0	0	0.19
2001	54	23	1017	356.894	-355.206	D	6.805	6.804	0.001	1.664	94.01	5.27	0	0	0	0.48
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	947	365.801	-355.162	D	6.502	6.502	0.001	1.07	95.6	3.48	0	0	0	0.84
2001	58	23	252	360.162	-360.544	D	6.532	6.531	0.001	1.126	97.31	2.29	0	0	0	0.36
2001	59	23	2	356.535	-357.209	D	6.848	6.848	0	1.751	96.71	2.23	0	0	0	0.11
2001	60	23	1	356.546	-357.458	D	6.611	6.611	0	1.281	98.4	1.4	0	0	0	0.13
2001	61	23	300	360.18	-355.3	D	7.93	7.93	0	4.04	96.36	1.02	0	0	0	0.05
2001	62	23	1008	358.048	-354.775	D	6.693	6.693	0	1.444	96.41	2.51	0	0	0	0.81
2001	63	23	1017	356.894	-355.206	D	6.595	6.586	0.009	1.234	97.25	2.39	0	0	0	0.34
2001	64	23	1035	356.477	-356.792	D	6.565	6.562	0.003	1.187	93.95	4.76	0	0	0	1.27
2001	65	23	270	359.964	-356.059	D	6.534	6.53	0.004	1.124	93.66	5.34	0	0	0	0.98
2001	66	23	1017	356.894	-355.206	D	6.474	6.471	0.004	1.009	97.47	1.72	0	0	0	0.85
2001	67	23	947	365.801	-355.162	D	6.582	6.565	0.017	1.192	94.54	4.5	0	0	0	0.96
2001	68	23	914	365.435	-358.584	D	6.507	6.503	0.004	1.072	94.16	4.66	0	0	0	1.17
2001	69	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	92.67	1.65	0	0	0	0.59
2001	70	23	300	360.18	-355.3	D	6.48	6.48	0	1.028	95.72	1.66	0	0	0	0.41
2001	71	23	1	356.546	-357.458	D	8.688	8.688	0	5.798	92.86	1.22	0	0	0	0.11
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	0	0	0	0	0	0
2001	75	23	929	366.032	-357.239	D	7.211	7.209	0.002	2.488	93.36	5.42	0	0	0	1.07
2001	76	23	933	366.169	-356.524	D	6.669	6.668	0.001	1.394	88.95	8.94	0	0	0	2.04
2001	77	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	6.484	6.484	0	1.035	96.33	1.32	0	0	0	0.32

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	80	23	1	356.546	-357.458	D	6.473	6.473	0	1.014	97.51	1.01	0	0	0	0.41
2001	81	23	1017	356.894	-355.206	D	6.494	6.492	0.002	1.05	98.79	0.94	0	0	0	0.33
2001	82	23	933	366.169	-356.524	D	6.752	6.75	0.002	1.556	98.81	0.97	0	0	0	0.19
2001	83	23	933	366.169	-356.524	D	6.692	6.69	0.002	1.437	98.96	0.84	0	0	0	0.1
2001	84	23	247	360.217	-361.79	D	6.482	6.482	0	1.031	98.97	0.24	0	0	0	0.08
2001	85	23	811	357.434	-360.225	D	6.489	6.489	0	1.044	92.42	5.26	0	0	0	1.21
2001	86	23	1	356.546	-357.458	D	6.468	6.468	0	1.005	0	0	0	0	0	0
2001	87	23	1017	356.894	-355.206	D	6.484	6.483	0.001	1.034	97.8	1.89	0	0	0	0.27
2001	88	23	643	363.609	-354.151	D	6.936	6.936	0.001	1.928	98.9	1.2	0	0	0	0.14
2001	89	23	1017	356.894	-355.206	D	7.242	7.242	0.001	2.556	98.92	0.78	0	0	0	0.08
2001	90	23	933	366.169	-356.524	D	7.727	7.726	0.001	3.59	98.36	1.16	0	0	0	0.45
2001	91	23	899	364.071	-360.247	D	6.475	6.474	0.002	1.015	94.39	3.79	0	0	0	1.85
2001	92	23	929	366.032	-357.239	D	7.416	7.416	0	2.922	42.19	0.15	0	0	0	0.13
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	986	360.908	-354.689	D	8.421	8.405	0.016	5.126	98.46	1.16	0	0	0	0.37
2001	106	23	543	362.627	-354.444	D	6.494	6.49	0.003	1.047	97.68	1.23	0	0	0	1.08
2001	107	23	836	360.07	-362.066	D	6.476	6.476	0.001	1.019	86.04	10.42	0	0	0	3.38
2001	108	23	1017	356.894	-355.206	D	6.481	6.479	0.002	1.026	98.68	0.83	0	0	0	0.48
2001	109	23	930	366.19	-357.232	D	6.541	6.54	0.001	1.143	99.3	0.43	0	0	0	0.25
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1039	356.522	-357.599	D	6.508	6.507	0.001	1.08	95.69	2.28	0	0	0	1.86
2001	115	23	1017	356.894	-355.206	D	6.484	6.482	0.002	1.03	98.52	0.95	0	0	0	0.48
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	119	23	931	366.183	-356.996	D	6.841	6.841	0	1.738	78.31	0.07	0	0	0	0.11
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	811	357.434	-360.225	D	8.163	8.16	0.003	4.56	99.22	0.22	0	0	0	0.54
2001	128	23	1017	356.894	-355.206	D	6.508	6.506	0.002	1.078	99.19	0.28	0	0	0	0.61
2001	129	23	967	363.478	-354.116	D	6.637	6.633	0.004	1.326	99.58	0.11	0	0	0	0.25
2001	130	23	930	366.19	-357.232	D	6.841	6.841	0	1.737	99.34	0.06	0	0	0	0.11
2001	131	23	929	366.032	-357.239	D	7.424	7.424	0	2.94	79.35	0.01	0	0	0	0.09
2001	132	23	932	366.176	-356.761	D	8.601	8.583	0.018	5.547	98.58	1.38	0	0	0	0.04
2001	133	23	1	356.546	-357.458	D	6.55	6.549	0.001	1.162	99.64	0.01	0	0	0	0.19
2001	134	23	933	366.169	-356.524	D	6.787	6.785	0.002	1.626	99.86	0.04	0	0	0	0.1
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1039	356.522	-357.599	D	8.018	8.015	0.003	4.231	99.7	0.28	0	0	0	0.05
2001	139	23	16	357.648	-359.906	D	8.679	8.652	0.026	5.713	99.74	0.24	0	0	0	0.02
2001	140	23	1009	357.941	-354.82	D	7.564	7.557	0.007	3.224	99.56	0.35	0	0	0	0.06
2001	141	23	949	365.722	-354.966	D	8.646	8.644	0.002	5.692	98.91	0.77	0	0	0	0.25
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	948	365.727	-355.056	D	6.975	6.974	0.001	2.005	99.59	0.02	0	0	0	0.31
2001	149	23	227	359.892	-360.057	D	6.874	6.863	0.011	1.781	99.76	0.09	0	0	0	0.16
2001	150	23	949	365.722	-354.966	D	8.543	8.54	0.003	5.445	99.69	0.21	0	0	0	0.09
2001	151	23	298	360.201	-355.799	D	8.942	8.942	0	6.417	93.79	0.45	0	0	0	0.04
2001	152	23	773	365.4	-355.32	D	6.941	6.938	0.003	1.932	95.16	3.88	0	0	0	0.91
2001	153	23	810	357.434	-360.005	D	7.004	7.002	0.002	2.062	97.69	1.38	0	0	0	0.9
2001	154	23	949	365.722	-354.966	D	7.165	7.158	0.007	2.383	99.38	0.47	0	0	0	0.13
2001	155	23	543	362.627	-354.444	D	8.881	8.881	0	6.268	94.26	0.63	0	0	0	0.06
2001	156	23	255	360.129	-359.796	D	7.611	7.611	0	3.34	15.34	0.01	0	0	0	0.01
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	158	23	643	363.609	-354.151	D	7.5	7.492	0.008	3.084	99.58	0.29	0	0	0	0.11
2001	159	23	1017	356.894	-355.206	D	7.153	7.106	0.047	2.275	99.79	0.13	0	0	0	0.07
2001	160	23	822	358.021	-361.607	D	7.352	7.339	0.013	2.76	99.92	0.02	0	0	0	0.06
2001	161	23	1017	356.894	-355.206	D	7.061	7.047	0.015	2.153	99.89	0.03	0	0	0	0.07
2001	162	23	949	365.722	-354.966	D	7.165	7.161	0.004	2.389	99.89	0.01	0	0	0	0.05
2001	163	23	929	366.032	-357.239	D	6.949	6.949	0	1.955	100.92	0.01	0	0	0	0.05
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	853	361.666	-362.175	D	6.561	6.56	0.001	1.182	99.59	0.01	0	0	0	0.26
2001	169	23	906	364.982	-359.812	D	6.668	6.665	0.003	1.388	99.78	0.01	0	0	0	0.18
2001	170	23	747	364.871	-354.594	D	6.957	6.956	0.001	1.969	99.77	0.01	0	0	0	0.11
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1017	356.894	-355.206	D	7.783	7.742	0.041	3.625	99.64	0.24	0	0	0	0.12
2001	173	23	1039	356.522	-357.599	D	6.774	6.768	0.006	1.592	99.39	0.05	0	0	0	0.55
2001	174	23	822	358.021	-361.607	D	6.639	6.637	0.002	1.333	99.35	0.11	0	0	0	0.53
2001	175	23	301	360.724	-362.017	D	6.67	6.67	0	1.397	95.67	0.03	0	0	0	0.27
2001	176	23	822	358.021	-361.607	D	7.127	7.125	0.002	2.313	99.82	0.04	0	0	0	0.11
2001	177	23	1017	356.894	-355.206	D	6.936	6.935	0.001	1.926	99.65	0.04	0	0	0	0.1
2001	178	23	10	356.954	-355.443	D	7.074	7.074	0	2.209	101.21	0.05	0	0	0	0.08
2001	179	23	3	356.524	-356.959	D	8.961	8.961	0	6.466	99.01	0.01	0	0	0	0.02
2001	180	23	1	356.546	-357.458	D	8.357	8.357	0	5.014	0	0	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	973	362.512	-354.246	D	8.544	8.543	0.001	5.452	99.81	0.01	0	0	0	0.1
2001	183	23	934	366.01	-356.526	D	7.577	7.569	0.008	3.248	99.76	0.18	0	0	0	0.06
2001	184	23	933	366.169	-356.524	D	8.783	8.781	0.002	6.023	99.92	0.01	0	0	0	0.02
2001	185	23	1	356.546	-357.458	D	7.034	7.034	0	2.127	0	0	0	0	0	0
2001	186	23	964	363.678	-354.148	D	7.065	7.063	0.003	2.186	99.73	0.01	0	0	0	0.21
2001	187	23	900	364.265	-360.243	D	6.968	6.957	0.011	1.97	99.86	0.02	0	0	0	0.12
2001	188	23	941	365.977	-355.774	D	7.752	7.748	0.004	3.637	100	0.01	0	0	0	0.05
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.155	7.115	0.04	2.293	99.71	0.18	0	0	0	0.1
2001	192	23	836	360.07	-362.066	D	7.071	7.059	0.012	2.178	99.85	0.02	0	0	0	0.13
2001	193	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	194	23	1	356.546	-357.458	D	7.743	7.743	0	3.628	0	0	0	0	0	0
2001	195	23	1	356.546	-357.458	D	6.6	6.6	0	1.261	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	6.705	6.705	0	1.466	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.402	7.402	0	2.893	0	0	0	0	0	0
2001	202	23	1	356.546	-357.458	D	6.931	6.931	0	1.918	0	0	0	0	0	0
2001	203	23	1	356.546	-357.458	D	7.051	7.051	0	2.163	0	0	0	0	0	0
2001	204	23	1	356.546	-357.458	D	7.546	7.546	0	3.199	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.753	7.753	0	3.65	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	8.069	8.069	0	4.353	0	0	0	0	0	0
2001	207	23	964	363.678	-354.148	D	8.766	8.765	0.001	5.983	99.61	0.05	0	0	0	0.06
2001	208	23	643	363.609	-354.151	D	8.928	8.924	0.004	6.374	99.8	0.15	0	0	0	0.02
2001	209	23	932	366.176	-356.761	D	8.287	8.286	0.001	4.85	99.8	0.12	0	0	0	0.03
2001	210	23	784	365.648	-355.309	D	8.866	8.866	0	6.231	99.56	0.08	0	0	0	0.03
2001	211	23	933	366.169	-356.524	D	7.709	7.702	0.006	3.538	99.78	0.13	0	0	0	0.07
2001	212	23	933	366.169	-356.524	D	9.353	9.344	0.009	7.431	99.95	0.01	0	0	0	0.02
2001	213	23	931	366.183	-356.996	D	9.115	9.115	0	6.849	99.48	0	0	0	0	0.01
2001	214	23	1	356.546	-357.458	D	7.804	7.804	0	3.76	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	6.91	6.91	0	1.877	0	0	0	0	0	0
2001	216	23	930	366.19	-357.232	D	7.063	7.058	0.005	2.177	99.76	0.15	0	0	0	0.09
2001	217	23	2	356.535	-357.209	D	6.999	6.999	0	2.056	93.71	0.02	0	0	0	0.1
2001	218	23	266	360.008	-357.056	D	7.047	7.047	0	2.155	36.67	0.01	0	0	0	0.03
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	933	366.169	-356.524	D	8.288	8.281	0.007	4.838	99.75	0.07	0	0	0	0.15
2001	223	23	853	361.666	-362.175	D	8.676	8.646	0.03	5.699	99.46	0.5	0	0	0	0.03
2001	224	23	905	364.788	-359.816	D	6.979	6.979	0	2.015	98.97	0.11	0	0	0	0.12
2001	225	23	906	364.982	-359.812	D	7.161	7.16	0.002	2.385	99.57	0.31	0	0	0	0.06
2001	226	23	1	356.546	-357.458	D	6.843	6.843	0	1.74	29.02	0	0	0	0	0.03
2001	227	23	1	356.546	-357.458	D	6.725	6.725	0	1.506	0	0	0	0	0	0
2001	228	23	949	365.722	-354.966	D	7.885	7.883	0.001	3.937	99.05	0.66	0	0	0	0.15
2001	229	23	247	360.217	-361.79	D	6.743	6.743	0	1.542	57.76	0.01	0	0	0	0.15
2001	230	23	930	366.19	-357.232	D	6.91	6.91	0	1.876	98.32	0.03	0	0	0	0.13
2001	231	23	1017	356.894	-355.206	D	6.929	6.929	0	1.914	97.9	1.21	0	0	0	1.03
2001	232	23	1035	356.477	-356.792	D	6.745	6.739	0.006	1.533	99.65	0.1	0	0	0	0.26
2001	233	23	643	363.609	-354.151	D	7.215	7.214	0.001	2.499	99.8	0.02	0	0	0	0.1
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	6.921	6.921	0	1.898	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	900	364.265	-360.243	D	8.266	8.253	0.013	4.774	97.25	2.62	0	0	0	0.12
2001	239	23	832	359.493	-362.061	D	7.236	7.235	0.001	2.543	99.47	0.16	0	0	0	0.15
2001	240	23	836	360.07	-362.066	D	7.115	7.113	0.002	2.289	99.72	0.04	0	0	0	0.11
2001	241	23	1002	359.309	-354.73	D	6.875	6.868	0.007	1.792	99.8	0.06	0	0	0	0.14
2001	242	23	901	364.256	-360.039	D	7.591	7.584	0.006	3.282	99.75	0.2	0	0	0	0.06
2001	243	23	966	363.538	-354.124	D	7.676	7.675	0.001	3.479	99.67	0.1	0	0	0	0.09
2001	244	23	934	366.01	-356.526	D	8.619	8.589	0.03	5.561	99.68	0.28	0	0	0	0.04
2001	245	23	996	360.121	-355.113	D	7.437	7.426	0.012	2.943	99.8	0.16	0	0	0	0.06
2001	246	23	1017	356.894	-355.206	D	7.44	7.436	0.004	2.965	99.95	0.03	0	0	0	0.06
2001	247	23	1009	357.941	-354.82	D	6.831	6.826	0.005	1.708	99.81	0.02	0	0	0	0.16
2001	248	23	1017	356.894	-355.206	D	7.218	7.209	0.009	2.488	99.83	0.06	0	0	0	0.1
2001	249	23	1008	358.048	-354.775	D	8.957	8.956	0.001	6.452	99.89	0.01	0	0	0	0.02
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	811	357.434	-360.225	D	8.546	8.535	0.011	5.432	99.36	0.27	0	0	0	0.35
2001	253	23	930	366.19	-357.232	D	6.959	6.946	0.013	1.949	98.43	1.05	0	0	0	0.52
2001	254	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	99.44	0.1	0	0	0	0.46
2001	255	23	84	358.173	-354.889	D	6.821	6.821	0	1.697	99.12	0.08	0	0	0	0.18
2001	256	23	643	363.609	-354.151	D	6.928	6.926	0.002	1.909	99.73	0.09	0	0	0	0.14
2001	257	23	974	362.281	-354.249	D	7.073	7.069	0.004	2.198	99.73	0.15	0	0	0	0.09
2001	258	23	1035	356.477	-356.792	D	6.733	6.732	0	1.521	99.23	0.03	0	0	0	0.1
2001	259	23	1	356.546	-357.458	D	6.687	6.686	0	1.43	98.13	0.15	0	0	0	0.11
2001	260	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	261	23	2	356.535	-357.209	D	8.862	8.862	0	6.222	102.11	1.03	0	0	0	0.11
2001	262	23	1017	356.894	-355.206	D	8.21	8.123	0.086	4.476	98.1	1.81	0	0	0	0.1
2001	263	23	930	366.19	-357.232	D	7.05	7.05	0	2.16	99.06	0.46	0	0	0	0.3
2001	264	23	643	363.609	-354.151	D	7.247	7.244	0.002	2.561	99.52	0.04	0	0	0	0.36
2001	265	23	853	361.666	-362.175	D	6.962	6.962	0	1.981	99.87	0.06	0	0	0	0.28
2001	266	23	845	360.851	-362.181	D	7.627	7.616	0.011	3.35	99.52	0.38	0	0	0	0.09
2001	267	23	853	361.666	-362.175	D	7.568	7.568	0.001	3.246	99.42	0.42	0	0	0	0.04
2001	268	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	6.541	6.541	0	1.146	0	0	0	0	0	0
2001	270	23	643	363.609	-354.151	D	6.61	6.609	0.001	1.277	99.35	0.19	0	0	0	0.31
2001	271	23	966	363.538	-354.124	D	6.681	6.665	0.016	1.388	99.59	0.17	0	0	0	0.23
2001	272	23	822	358.021	-361.607	D	6.988	6.987	0.002	2.031	99.78	0.07	0	0	0	0.16
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	996	360.121	-355.113	D	7.265	7.265	0	2.604	97.95	0.17	0	0	0	0.23

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	275	23	948	365.727	-355.056	D	7.001	7.001	0	2.061	96.37	0.23	0	0	0	0.11
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	810	357.434	-360.005	D	8.92	8.915	0.005	6.351	98.79	1.16	0	0	0	0.02
2001	279	23	822	358.021	-361.607	D	7.256	7.256	0	2.585	94.55	4.24	0	0	0	0.99
2001	280	23	941	365.977	-355.774	D	6.554	6.552	0.002	1.167	98.41	1.1	0	0	0	0.49
2001	281	23	643	363.609	-354.151	D	6.654	6.653	0	1.365	99.23	0.47	0	0	0	0.3
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.218	10.218	0	9.779	99.59	0.33	0	0	0	0.05
2001	285	23	1017	356.894	-355.206	D	9.609	9.591	0.018	8.074	98.33	1.61	0	0	0	0.04
2001	286	23	934	366.01	-356.526	D	9.948	9.927	0.021	8.975	99.47	0.48	0	0	0	0.04
2001	287	23	930	366.19	-357.232	D	7.165	7.144	0.021	2.354	98.95	1	0	0	0	0.05
2001	288	23	996	360.121	-355.113	D	6.946	6.945	0.001	1.947	94.6	5.31	0	0	0	0.06
2001	289	23	227	359.892	-360.057	D	7.215	7.204	0.011	2.477	95.53	4.3	0	0	0	0.17
2001	290	23	822	358.021	-361.607	D	6.495	6.492	0.003	1.05	95.02	3.79	0	0	0	1.21
2001	291	23	932	366.176	-356.761	D	6.56	6.559	0.001	1.18	99.07	0.6	0	0	0	0.35
2001	292	23	1017	356.894	-355.206	D	6.742	6.741	0.001	1.537	95.9	3.37	0	0	0	0.85
2001	293	23	974	362.281	-354.249	D	7.997	7.994	0.003	4.184	98.61	1.32	0	0	0	0.09
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	934	366.01	-356.526	D	9.583	9.577	0.005	8.039	97.07	2.75	0	0	0	0.16
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	949	365.722	-354.966	D	6.472	6.472	0.001	1.012	89.79	7.51	0	0	0	2.53
2001	301	23	15	357.659	-360.155	D	6.48	6.48	0	1.028	93.13	0.42	0	0	0	0.44
2001	302	23	1	356.546	-357.458	D	6.503	6.503	0	1.072	0	0	0	0	0	0
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	949	365.722	-354.966	D	9.2	9.195	0.005	7.05	96.77	3.15	0	0	0	0.06
2001	308	23	1037	356.5	-357.195	D	6.66	6.66	0.001	1.378	99.07	0.66	0	0	0	0.2
2001	309	23	1017	356.894	-355.206	D	9.088	8.902	0.186	6.319	97.65	2.31	0	0	0	0.05
2001	310	23	811	357.434	-360.225	D	7.174	7.133	0.041	2.331	99.34	0.55	0	0	0	0.12
2001	311	23	228	359.881	-359.807	D	7.402	7.375	0.027	2.836	99.55	0.37	0	0	0	0.08
2001	312	23	933	366.169	-356.524	D	7.608	7.601	0.007	3.318	99.6	0.23	0	0	0	0.17
2001	313	23	710	364.843	-359.589	D	6.589	6.589	0	1.239	98.87	0.07	0	0	0	0.14

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	314	23	380	361.468	-361.984	D	6.675	6.672	0.003	1.402	96.46	2.93	0	0	0	0.53
2001	315	23	643	363.609	-354.151	D	6.735	6.729	0.006	1.514	97.25	2	0	0	0	0.74
2001	316	23	1037	356.5	-357.195	D	6.664	6.663	0.001	1.383	98.7	0.7	0	0	0	0.51
2001	317	23	1035	356.477	-356.792	D	6.762	6.761	0.001	1.578	98.96	0.66	0	0	0	0.23
2001	318	23	929	366.032	-357.239	D	7.178	7.178	0	2.424	94.08	0.13	0	0	0	0.16
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	934	366.01	-356.526	D	7.801	7.795	0.006	3.742	79.05	20.59	0	0	0	0.31
2001	324	23	1017	356.894	-355.206	D	6.479	6.474	0.005	1.017	86.27	11.23	0	0	0	2.5
2001	325	23	907	365.051	-359.809	D	6.472	6.47	0.002	1.008	95.35	3.79	0	0	0	0.86
2001	326	23	788	365.951	-356.544	D	6.517	6.517	0	1.099	97.84	1.5	0	0	0	0.35
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	907	365.051	-359.809	D	8.645	8.638	0.007	5.678	84.05	15.71	0	0	0	0.25
2001	333	23	851	361.512	-362.072	D	10.092	10.092	0	9.427	96.41	2.55	0	0	0	0.02
2001	334	23	907	365.051	-359.809	D	8.826	8.823	0.003	6.127	93.48	6.29	0	0	0	0.19
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	949	365.722	-354.966	D	7.939	7.938	0.002	4.058	94.98	4.83	0	0	0	0.14
2001	342	23	934	366.01	-356.526	D	8.106	8.094	0.012	4.409	96.87	3.06	0	0	0	0.07
2001	343	23	1039	356.522	-357.599	D	6.6	6.6	0	1.26	89.04	10.33	0	0	0	1.69
2001	344	23	10	356.954	-355.443	D	6.513	6.512	0	1.09	94.38	4.58	0	0	0	0.66
2001	345	23	1017	356.894	-355.206	D	6.558	6.558	0.001	1.178	96.35	3.05	0	0	0	0.41
2001	346	23	1	356.546	-357.458	D	9.566	9.566	0	8.007	0	0	0	0	0	0
2001	347	23	1035	356.477	-356.792	D	9.99	9.597	0.393	8.089	94.96	4.96	0	0	0	0.08
2001	348	23	836	360.07	-362.066	D	8.999	8.841	0.158	6.169	96.6	3.35	0	0	0	0.05
2001	349	23	949	365.722	-354.966	D	8.808	8.789	0.019	6.043	98.46	1.5	0	0	0	0.04
2001	350	23	1	356.546	-357.458	D	10.116	10.116	0	9.495	0	0	0	0	0	0
2001	351	23	1035	356.477	-356.792	D	9.46	9.409	0.051	7.599	96.36	3.56	0	0	0	0.08
2001	352	23	1	356.546	-357.458	D	6.564	6.564	0	1.19	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	353	23	1017	356.894	-355.206	D	6.771	6.769	0.002	1.594	93.49	6.02	0	0	0	0.41
2001	354	23	811	357.434	-360.225	D	6.471	6.471	0	1.009	89.73	8.63	0	0	0	1.69
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	775	365.747	-357.551	D	7.222	7.222	0	2.514	76.39	1.6	0	0	0	0.14
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	949	365.722	-354.966	D	6.482	6.481	0.001	1.029	86.99	10.81	0	0	0	2.24
2001	359	23	494	362.175	-355.462	D	6.504	6.5	0.004	1.065	83.29	14.12	0	0	0	2.58
2001	360	23	1041	356.936	-357.592	D	6.538	6.533	0.004	1.131	79.15	18.54	0	0	0	2.32
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	811	357.434	-360.225	D	6.606	6.604	0.002	1.268	90.64	8.26	0	0	0	1.02
2001	364	23	949	365.722	-354.966	D	6.557	6.55	0.007	1.163	85.28	12.93	0	0	0	1.76
2001	365	23	941	365.977	-355.774	D	6.621	6.617	0.003	1.294	86.66	11.98	0	0	0	1.38
									0.393							
UMC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.162	7.162	0	2.39	0	0	0	0	0	0
2001	2	23	930	366.19	-357.232	D	7.273	7.27	0.003	2.615	88.79	11.12	0	0	0	0.05
2001	3	23	930	366.19	-357.232	D	8.576	8.576	0	5.529	90.86	9.31	0	0	0	0.03
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.4	7.4	0	2.888	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	8.31	8.31	0	4.906	0	0	0	0	0	0
2001	9	23	786	365.973	-357.042	D	9.259	9.216	0.043	7.105	77.8	22.16	0	0	0	0.04
2001	10	23	941	365.977	-355.774	D	7.356	7.328	0.028	2.736	84.92	15.04	0	0	0	0.03
2001	11	23	1008	358.048	-354.775	D	8.863	8.858	0.005	6.211	90.23	9.68	0	0	0	0.02
2001	12	23	948	365.727	-355.056	D	10.218	10.218	0	9.779	91.69	7.55	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2001	17	23	78	358.239	-356.385	D	6.929	6.762	0.167	1.58	79.55	20.33	0	0	0	0.12
2001	18	23	1017	356.894	-355.206	D	6.835	6.74	0.095	1.536	87.27	12.66	0	0	0	0.07
2001	19	23	907	365.051	-359.809	D	6.876	6.873	0.002	1.802	92.85	7.04	0	0	0	0.06
2001	20	23	1	356.546	-357.458	D	6.59	6.59	0	1.242	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	22	23	1	356.546	-357.458	D	6.759	6.759	0	1.574	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	0	0	0	0	0	0
2001	25	23	930	366.19	-357.232	D	6.633	6.607	0.026	1.274	66.08	33.68	0	0	0	0.23
2001	26	23	1035	356.477	-356.792	D	6.529	6.526	0.002	1.117	80.09	19.85	0	0	0	0.08
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2001	28	23	930	366.19	-357.232	D	6.505	6.499	0.006	1.064	85.5	14.43	0	0	0	0.06
2001	29	23	929	366.032	-357.239	D	8.327	8.327	0	4.946	79.86	9.37	0	0	0	0.03
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	6.535	6.535	0	1.133	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	38	23	967	363.478	-354.116	D	6.685	6.684	0.001	1.426	89.31	10.44	0	0	0	0.13
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	9.263	9.263	0	7.224	0	0	0	0	0	0
2001	41	23	785	365.637	-355.06	D	6.618	6.618	0	1.296	82.38	16.43	0	0	0	0.17
2001	42	23	964	363.678	-354.148	D	6.481	6.47	0.011	1.008	82.77	17.13	0	0	0	0.1
2001	43	23	62	357.925	-354.901	D	6.623	6.623	0	1.305	88.02	11.59	0	0	0	0.04
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	974	362.281	-354.249	D	10.232	10.176	0.056	9.662	93.49	6.5	0	0	0	0.01
2001	46	23	933	366.169	-356.524	D	8.104	7.477	**0.627**	3.052	94.42	5.57	0	0	0	0.01
2001	47	23	907	365.051	-359.809	D	6.634	6.627	0.008	1.312	96.43	3.55	0	0	0	0.02
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	930	366.19	-357.232	D	6.472	6.471	0.001	1.011	92.43	7.44	0	0	0	0.09
2001	50	23	930	366.19	-357.232	D	6.483	6.482	0.001	1.031	92.97	6.89	0	0	0	0.06
2001	51	23	1017	356.894	-355.206	D	7.23	7.229	0	2.53	97.03	3.01	0	0	0	0.06
2001	52	23	810	357.434	-360.005	D	6.732	6.729	0.003	1.514	91.89	8.1	0	0	0	0.04
2001	53	23	16	357.648	-359.906	D	7.379	7.366	0.013	2.816	91.86	8.11	0	0	0	0.03
2001	54	23	963	363.809	-354.192	D	6.826	6.803	0.023	1.661	88.65	11.31	0	0	0	0.04
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	930	366.19	-357.232	D	6.502	6.502	0	1.069	96.85	3.31	0	0	0	0.15
2001	58	23	900	364.265	-360.243	D	6.538	6.531	0.007	1.126	92.55	7.37	0	0	0	0.07
2001	59	23	1035	356.477	-356.792	D	6.852	6.848	0.005	1.751	92.54	7.41	0	0	0	0.02
2001	60	23	1017	356.894	-355.206	D	6.613	6.611	0.002	1.281	94.9	5	0	0	0	0.03

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	61	23	928	365.945	-357.303	D	7.949	7.93	0.019	4.04	94.28	5.7	0	0	0	0.01
2001	62	23	906	364.982	-359.812	D	6.694	6.694	0	1.445	96.96	2.4	0	0	0	0.02
2001	63	23	78	358.239	-356.385	D	6.707	6.586	0.121	1.234	81.46	18.36	0	0	0	0.18
2001	64	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	66	23	927	365.912	-357.454	D	6.471	6.471	0	1.009	69.17	30.76	0	0	0	0.36
2001	67	23	1	356.546	-357.458	D	6.565	6.565	0	1.193	0	0	0	0	0	0
2001	68	23	930	366.19	-357.232	D	6.512	6.504	0.008	1.074	78.72	21.01	0	0	0	0.24
2001	69	23	930	366.19	-357.232	D	6.475	6.472	0.004	1.011	92.48	7.38	0	0	0	0.1
2001	70	23	949	365.722	-354.966	D	6.483	6.48	0.003	1.028	95.25	4.69	0	0	0	0.06
2001	71	23	190	359.165	-354.846	D	8.688	8.688	0	5.798	96.95	2.83	0	0	0	0.02
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	10	356.954	-355.443	D	9.86	9.86	0	8.793	93.34	5.6	0	0	0	0.01
2001	75	23	933	366.169	-356.524	D	7.77	7.209	**0.56**	2.488	95.33	4.66	0	0	0	0.01
2001	76	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2001	77	23	931	366.183	-356.996	D	6.529	6.503	0.025	1.073	85.57	14.3	0	0	0	0.12
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	95.11	5.82	0	0	0	0.09
2001	79	23	1037	356.5	-357.195	D	6.486	6.484	0.002	1.035	90.31	9.56	0	0	0	0.1
2001	80	23	1038	356.511	-357.396	D	6.499	6.473	0.026	1.014	89.52	10.3	0	0	0	0.17
2001	81	23	907	365.051	-359.809	D	6.525	6.493	0.032	1.052	97.38	2.55	0	0	0	0.07
2001	82	23	930	366.19	-357.232	D	6.791	6.75	0.041	1.556	97.5	2.46	0	0	0	0.04
2001	83	23	1037	356.5	-357.195	D	6.767	6.686	0.081	1.43	90.52	9.43	0	0	0	0.05
2001	84	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	6.491	6.491	0	1.048	0	0	0	0	0	0
2001	86	23	191	359.732	-362.061	D	6.468	6.468	0	1.005	103.87	2.07	0	0	0	0.06
2001	87	23	930	366.19	-357.232	D	6.492	6.481	0.011	1.03	94.11	5.85	0	0	0	0.05
2001	88	23	973	362.512	-354.246	D	6.936	6.936	0.001	1.928	95.51	4.5	0	0	0	0.02
2001	89	23	1016	357.1	-355.198	D	7.243	7.242	0.001	2.556	97.44	2.52	0	0	0	0.01
2001	90	23	933	366.169	-356.524	D	7.727	7.726	0.001	3.59	97.21	2.8	0	0	0	0
2001	91	23	1	356.546	-357.458	D	6.473	6.473	0	1.013	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	8.411	8.405	0.007	5.126	98.58	1.4	0	0	0	0.04
2001	106	23	930	366.19	-357.232	D	6.491	6.491	0	1.049	91.03	8.86	0	0	0	0.31
2001	107	23	1	356.546	-357.458	D	6.477	6.477	0	1.021	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	6.479	6.479	0	1.026	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	6.54	6.54	0	1.144	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	6.507	6.507	0	1.08	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	6.482	6.482	0	1.03	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	6.862	6.862	0	1.778	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	8.162	8.162	0	4.564	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	6.506	6.506	0	1.078	0	0	0	0	0	0
2001	129	23	907	365.051	-359.809	D	6.634	6.633	0	1.326	99.62	0.34	0	0	0	0.05
2001	130	23	907	365.051	-359.809	D	6.84	6.838	0.002	1.731	99.83	0.15	0	0	0	0.02
2001	131	23	932	366.176	-356.761	D	7.424	7.424	0	2.94	99.3	0.04	0	0	0	0.01
2001	132	23	958	364.309	-354.601	D	8.68	8.603	0.076	5.595	87.26	12.7	0	0	0	0.05
2001	133	23	961	364.092	-354.289	D	6.635	6.55	0.086	1.163	99.49	0.45	0	0	0	0.06
2001	134	23	930	366.19	-357.232	D	6.79	6.785	0.004	1.626	99.82	0.11	0	0	0	0.03
2001	135	23	247	360.217	-361.79	D	6.852	6.852	0	1.758	84.34	0.01	0	0	0	0.02
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1017	356.894	-355.206	D	8.069	8.015	0.054	4.231	96.64	3.35	0	0	0	0.01

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	139	23	949	365.722	-354.966	D	9.391	8.695	0.696	5.816	95.95	4.04	0	0	0	0.01
2001	140	23	961	364.092	-354.289	D	7.566	7.544	0.022	3.196	99.78	0.16	0	0	0	0.06
2001	141	23	1	356.546	-357.458	D	8.617	8.617	0	5.629	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	770	365.433	-356.067	D	6.974	6.974	0	2.005	97.99	0.05	0	0	0	0.06
2001	149	23	930	366.19	-357.232	D	6.879	6.849	0.031	1.753	99.66	0.31	0	0	0	0.02
2001	150	23	949	365.722	-354.966	D	8.548	8.54	0.007	5.445	99.46	0.51	0	0	0	0.01
2001	151	23	1017	356.894	-355.206	D	8.886	8.828	0.058	6.138	99.45	0.53	0	0	0	0.01
2001	152	23	930	366.19	-357.232	D	6.949	6.935	0.014	1.927	99.73	0.26	0	0	0	0.01
2001	153	23	1	356.546	-357.458	D	7.018	7.018	0	2.095	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.181	7.181	0	2.429	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	8.898	8.898	0	6.309	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	933	366.169	-356.524	D	7.557	7.51	0.048	3.122	99.85	0.12	0	0	0	0.03
2001	159	23	1035	356.477	-356.792	D	7.402	7.106	0.296	2.275	99.37	0.61	0	0	0	0.02
2001	160	23	1017	356.894	-355.206	D	7.459	7.332	0.127	2.745	99.66	0.32	0	0	0	0.02
2001	161	23	1017	356.894	-355.206	D	7.128	7.047	0.081	2.153	99.88	0.11	0	0	0	0.01
2001	162	23	949	365.722	-354.966	D	7.17	7.161	0.008	2.389	99.95	0.03	0	0	0	0.01
2001	163	23	929	366.032	-357.239	D	6.949	6.949	0	1.955	99.57	0.02	0	0	0	0.01
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	822	358.021	-361.607	D	6.557	6.557	0.001	1.176	99.96	0.01	0	0	0	0.04
2001	169	23	906	364.982	-359.812	D	6.672	6.665	0.007	1.388	99.94	0.03	0	0	0	0.03
2001	170	23	1004	358.889	-354.745	D	6.958	6.958	0	1.972	99.77	0.01	0	0	0	0.02
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1008	358.048	-354.775	D	7.884	7.742	0.142	3.625	98.86	1.13	0	0	0	0.01
2001	173	23	907	365.051	-359.809	D	6.773	6.772	0.001	1.599	99.75	0.16	0	0	0	0.02
2001	174	23	949	365.722	-354.966	D	6.643	6.64	0.004	1.338	99.81	0.07	0	0	0	0.07
2001	175	23	941	365.977	-355.774	D	6.687	6.668	0.019	1.394	99.84	0.12	0	0	0	0.04
2001	176	23	949	365.722	-354.966	D	7.145	7.104	0.041	2.271	99.88	0.1	0	0	0	0.02
2001	177	23	967	363.478	-354.116	D	6.963	6.935	0.028	1.927	99.91	0.07	0	0	0	0.02

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	178	23	1017	356.894	-355.206	D	7.086	7.074	0.012	2.209	99.92	0.08	0	0	0	0.01
2001	179	23	967	363.478	-354.116	D	8.978	8.963	0.014	6.471	99.8	0.19	0	0	0	0
2001	180	23	973	362.512	-354.246	D	8.434	8.433	0.001	5.191	99.78	0.07	0	0	0	0.01
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	8.73	8.52	0.21	5.397	99.12	0.87	0	0	0	0.01
2001	183	23	933	366.169	-356.524	D	8.114	7.569	**0.546**	3.248	98.57	1.42	0	0	0	0.01
2001	184	23	933	366.169	-356.524	D	8.859	8.781	0.078	6.023	99.94	0.05	0	0	0	0
2001	185	23	774	365.389	-355.071	D	7.042	7.041	0	2.143	98.82	0.01	0	0	0	0.01
2001	186	23	789	365.918	-355.796	D	7.063	7.063	0	2.186	95.49	0.03	0	0	0	0.04
2001	187	23	949	365.722	-354.966	D	7.11	6.95	0.16	1.956	99.9	0.08	0	0	0	0.02
2001	188	23	941	365.977	-355.774	D	7.758	7.748	0.011	3.637	99.97	0.03	0	0	0	0.01
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	941	365.977	-355.774	D	7.115	7.115	0	2.293	99.07	0.15	0	0	0	0.03
2001	192	23	930	366.19	-357.232	D	7.175	7.056	0.119	2.172	99.63	0.34	0	0	0	0.03
2001	193	23	219	359.98	-362.05	D	7.655	7.437	0.218	2.967	99.82	0.17	0	0	0	0.01
2001	194	23	900	364.265	-360.243	D	7.96	7.763	0.197	3.671	99.45	0.54	0	0	0	0.01
2001	195	23	822	358.021	-361.607	D	6.611	6.601	0.01	1.263	99.96	0.03	0	0	0	0.01
2001	196	23	808	357.43	-359.686	D	6.705	6.705	0.001	1.466	99.71	0.02	0	0	0	0.01
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	933	366.169	-356.524	D	7.469	7.469	0	3.034	99.95	0.02	0	0	0	0.02
2001	202	23	933	366.169	-356.524	D	7.057	7.045	0.012	2.15	99.78	0.21	0	0	0	0.01
2001	203	23	930	366.19	-357.232	D	7.411	7.367	0.043	2.819	99.88	0.11	0	0	0	0.01
2001	204	23	930	366.19	-357.232	D	7.781	7.741	0.04	3.622	99.92	0.07	0	0	0	0
2001	205	23	929	366.032	-357.239	D	7.876	7.854	0.022	3.871	99.96	0.04	0	0	0	0
2001	206	23	986	360.908	-354.689	D	8.138	8.118	0.02	4.465	99.86	0.13	0	0	0	0
2001	207	23	933	366.169	-356.524	D	8.792	8.77	0.022	5.997	99.92	0.07	0	0	0	0.01
2001	208	23	949	365.722	-354.966	D	9.44	8.924	**0.516**	6.374	99.34	0.66	0	0	0	0
2001	209	23	933	366.169	-356.524	D	8.503	8.286	0.217	4.85	99.35	0.64	0	0	0	0
2001	210	23	949	365.722	-354.966	D	8.9	8.866	0.034	6.231	99.8	0.2	0	0	0	0
2001	211	23	933	366.169	-356.524	D	7.745	7.702	0.043	3.538	99.92	0.07	0	0	0	0.01
2001	212	23	933	366.169	-356.524	D	9.445	9.344	0.101	7.431	99.97	0.02	0	0	0	0
2001	213	23	933	366.169	-356.524	D	9.158	9.115	0.042	6.849	99.94	0.06	0	0	0	0
2001	214	23	933	366.169	-356.524	D	7.9	7.893	0.006	3.959	99.97	0.02	0	0	0	0
2001	215	23	747	364.871	-354.594	D	6.915	6.915	0	1.885	99.81	0.03	0	0	0	0.01
2001	216	23	933	366.169	-356.524	D	7.121	7.058	0.063	2.177	99.52	0.45	0	0	0	0.04

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	217	23	1039	356.522	-357.599	D	7.003	6.999	0.004	2.056	99.85	0.05	0	0	0	0.03
2001	218	23	1	356.546	-357.458	D	7.068	7.068	0	2.197	96.96	0	0	0	0	0.03
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	949	365.722	-354.966	D	8.34	8.292	0.047	4.864	99.86	0.12	0	0	0	0.02
2001	223	23	933	366.169	-356.524	D	9.631	8.635	**0.996**	5.672	99.12	0.87	0	0	0	0.01
2001	224	23	836	360.07	-362.066	D	7.301	6.979	0.322	2.015	99.78	0.2	0	0	0	0.03
2001	225	23	1035	356.477	-356.792	D	7.269	7.146	0.124	2.356	99.63	0.34	0	0	0	0.04
2001	226	23	907	365.051	-359.809	D	6.999	6.855	0.144	1.766	99.5	0.45	0	0	0	0.05
2001	227	23	1017	356.894	-355.206	D	6.752	6.725	0.027	1.506	99.86	0.11	0	0	0	0.03
2001	228	23	948	365.727	-355.056	D	7.884	7.883	0	3.937	98.9	0.02	0	0	0	0.02
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	6.929	6.929	0	1.914	0	0	0	0	0	0
2001	232	23	947	365.801	-355.162	D	6.736	6.732	0.003	1.521	99.55	0.41	0	0	0	0.04
2001	233	23	941	365.977	-355.774	D	7.217	7.214	0.002	2.499	99.93	0.04	0	0	0	0.02
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	929	366.032	-357.239	D	6.939	6.939	0	1.934	99.43	0.07	0	0	0	0.01
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	8.255	8.255	0	4.778	0	0	0	0	0	0
2001	239	23	955	364.92	-354.582	D	7.59	7.265	0.325	2.604	99.27	0.71	0	0	0	0.02
2001	240	23	929	366.032	-357.239	D	7.45	7.15	0.3	2.365	99.83	0.15	0	0	0	0.01
2001	241	23	832	359.493	-362.061	D	6.982	6.878	0.103	1.812	99.87	0.11	0	0	0	0.02
2001	242	23	810	357.434	-360.005	D	7.692	7.591	0.102	3.296	99.68	0.31	0	0	0	0.01
2001	243	23	901	364.256	-360.039	D	7.787	7.779	0.008	3.706	99.74	0.25	0	0	0	0.01
2001	244	23	933	366.169	-356.524	D	8.758	8.589	0.169	5.561	99.25	0.74	0	0	0	0.01
2001	245	23	1035	356.477	-356.792	D	7.49	7.408	0.082	2.906	99.39	0.6	0	0	0	0.01
2001	246	23	1017	356.894	-355.206	D	7.447	7.436	0.011	2.965	99.91	0.09	0	0	0	0.01
2001	247	23	967	363.478	-354.116	D	6.861	6.823	0.038	1.701	99.92	0.06	0	0	0	0.02
2001	248	23	967	363.478	-354.116	D	7.269	7.197	0.072	2.463	99.76	0.22	0	0	0	0.01
2001	249	23	966	363.538	-354.124	D	8.973	8.946	0.027	6.429	99.94	0.05	0	0	0	0
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	8.546	8.546	0	5.459	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	6.969	6.969	0	1.996	0	0	0	0	0	0
2001	254	23	1008	358.048	-354.775	D	6.712	6.7	0.012	1.456	99.26	0.7	0	0	0	0.04
2001	255	23	1035	356.477	-356.792	D	6.822	6.821	0.001	1.697	99.74	0.22	0	0	0	0.03

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	256	23	970	363.145	-354.231	D	6.927	6.926	0.001	1.909	99.58	0.16	0	0	0	0.02
2001	257	23	966	363.538	-354.124	D	7.125	7.069	0.057	2.198	99.36	0.62	0	0	0	0.02
2001	258	23	811	357.434	-360.225	D	6.745	6.74	0.005	1.535	99.94	0.07	0	0	0	0.02
2001	259	23	1035	356.477	-356.792	D	6.688	6.686	0.002	1.43	99.78	0.12	0	0	0	0.02
2001	260	23	62	357.925	-354.901	D	6.959	6.958	0.002	1.972	99.74	0.11	0	0	0	0.01
2001	261	23	948	365.727	-355.056	D	8.905	8.904	0.001	6.324	99.53	0.44	0	0	0	0
2001	262	23	949	365.722	-354.966	D	8.136	8.103	0.033	4.43	97.43	2.57	0	0	0	0
2001	263	23	1	356.546	-357.458	D	7.025	7.025	0	2.109	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	265	23	930	366.19	-357.232	D	6.955	6.949	0.006	1.955	99.07	0.83	0	0	0	0.08
2001	266	23	907	365.051	-359.809	D	7.69	7.681	0.01	3.491	99.39	0.58	0	0	0	0.02
2001	267	23	930	366.19	-357.232	D	7.712	7.662	0.05	3.449	89.54	10.34	0	0	0	0.12
2001	268	23	930	366.19	-357.232	D	6.607	6.59	0.017	1.24	94.63	5.23	0	0	0	0.14
2001	269	23	907	365.051	-359.809	D	6.618	6.54	0.078	1.144	97.24	2.7	0	0	0	0.06
2001	270	23	835	359.911	-362.063	D	6.678	6.615	0.063	1.29	99.36	0.6	0	0	0	0.04
2001	271	23	219	359.98	-362.05	D	6.732	6.678	0.054	1.413	99.51	0.45	0	0	0	0.04
2001	272	23	822	358.021	-361.607	D	6.988	6.987	0.001	2.031	99.89	0.11	0	0	0	0.03
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.293	7.263	0.03	2.601	98.51	1.47	0	0	0	0.02
2001	275	23	949	365.722	-354.966	D	7.016	7.001	0.015	2.061	99.63	0.35	0	0	0	0.01
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	811	357.434	-360.225	D	9.245	8.915	0.33	6.351	94.19	5.8	0	0	0	0.01
2001	279	23	930	366.19	-357.232	D	7.204	7.202	0.003	2.472	90.4	9.53	0	0	0	0.04
2001	280	23	907	365.051	-359.809	D	6.554	6.552	0.002	1.167	99.41	0.55	0	0	0	0.06
2001	281	23	900	364.265	-360.243	D	6.689	6.657	0.033	1.371	97.78	2.19	0	0	0	0.03
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.23	10.218	0.012	9.779	94.93	5.06	0	0	0	0.01
2001	285	23	1017	356.894	-355.206	D	10.167	9.591	**0.576**	8.074	93.37	6.63	0	0	0	0.01
2001	286	23	934	366.01	-356.526	D	9.988	9.927	0.061	8.975	99.36	0.64	0	0	0	0
2001	287	23	930	366.19	-357.232	D	7.192	7.144	0.048	2.354	98.34	1.65	0	0	0	0.01
2001	288	23	1	356.546	-357.458	D	6.921	6.921	0	1.899	0	0	0	0	0	0
2001	289	23	949	365.722	-354.966	D	7.171	7.171	0	2.408	90.61	9.34	0	0	0	0.01
2001	290	23	710	364.843	-359.589	D	6.492	6.492	0	1.05	40.4	0.38	0	0	0	0.03
2001	291	23	930	366.19	-357.232	D	6.562	6.559	0.003	1.18	97.43	2.54	0	0	0	0.02
2001	292	23	1	356.546	-357.458	D	6.741	6.741	0	1.537	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.888	7.888	0	3.946	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	9.504	9.504	0	7.846	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	301	23	933	366.169	-356.524	D	6.499	6.482	0.016	1.032	93.76	6.16	0	0	0	0.08
2001	302	23	1017	356.894	-355.206	D	6.504	6.503	0.001	1.072	97.56	2.43	0	0	0	0.03
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	927	365.912	-357.454	D	9.35	9.195	0.155	7.05	94.98	5.01	0	0	0	0.01
2001	308	23	1035	356.477	-356.792	D	6.674	6.66	0.015	1.378	99.03	0.95	0	0	0	0.03
2001	309	23	927	365.912	-357.454	D	9.078	8.864	0.214	6.227	93.54	6.45	0	0	0	0.01
2001	310	23	832	359.493	-362.061	D	7.228	7.133	0.095	2.331	97.81	2.17	0	0	0	0.02
2001	311	23	228	359.881	-359.807	D	7.464	7.375	0.089	2.836	99.15	0.84	0	0	0	0.01
2001	312	23	933	366.169	-356.524	D	7.615	7.601	0.014	3.318	99.61	0.37	0	0	0	0.01
2001	313	23	927	365.912	-357.454	D	6.636	6.589	0.047	1.239	79.05	20.66	0	0	0	0.29
2001	314	23	930	366.19	-357.232	D	6.666	6.665	0	1.389	96.88	2.81	0	0	0	0.12
2001	315	23	773	365.4	-355.32	D	6.755	6.729	0.025	1.514	91.8	8.01	0	0	0	0.19
2001	316	23	822	358.021	-361.607	D	6.672	6.664	0.008	1.387	97.02	2.85	0	0	0	0.1
2001	317	23	1035	356.477	-356.792	D	6.771	6.761	0.01	1.578	98.75	1.21	0	0	0	0.03
2001	318	23	62	357.925	-354.901	D	7.181	7.18	0.001	2.428	99.5	0.29	0	0	0	0.02
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.828	7.828	0	3.814	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	6.474	6.474	0	1.017	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	326	23	907	365.051	-359.809	D	6.517	6.517	0	1.099	93.66	5.59	0	0	0	0.07
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	930	366.19	-357.232	D	8.911	8.674	0.236	5.765	83.23	16.75	0	0	0	0.02
2001	333	23	1035	356.477	-356.792	D	10.422	10.026	0.396	9.247	88.49	11.5	0	0	0	0.01

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	334	23	822	358.021	-361.607	D	9.612	8.714	**0.898**	5.861	92.91	7.08	0	0	0	0.01
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	948	365.727	-355.056	D	7.938	7.938	0	4.058	95.09	3.41	0	0	0	0.02
2001	342	23	934	366.01	-356.526	D	8.282	8.094	0.188	4.409	91.05	8.93	0	0	0	0.02
2001	343	23	930	366.19	-357.232	D	6.599	6.598	0.001	1.257	84.93	14.8	0	0	0	0.22
2001	344	23	930	366.19	-357.232	D	6.521	6.513	0.008	1.091	83.49	16.38	0	0	0	0.13
2001	345	23	930	366.19	-357.232	D	6.563	6.557	0.005	1.178	91.13	8.81	0	0	0	0.06
2001	346	23	299	360.19	-355.549	D	9.529	9.529	0	7.91	93.53	5.11	0	0	0	0.03
2001	347	23	1	356.546	-357.458	D	9.597	9.597	0	8.089	0	0	0	0	0	0
2001	348	23	933	366.169	-356.524	D	8.899	8.856	0.043	6.206	95.23	4.77	0	0	0	0
2001	349	23	786	365.973	-357.042	D	8.79	8.789	0.001	6.043	98.66	1.08	0	0	0	0.01
2001	350	23	949	365.722	-354.966	D	10.126	10.116	0.01	9.495	96.6	3.37	0	0	0	0
2001	351	23	930	366.19	-357.232	D	9.777	9.443	0.334	7.687	86.35	13.63	0	0	0	0.01
2001	352	23	519	362.902	-360.673	D	6.568	6.568	0	1.198	92.98	2.23	0	0	0	0.01
2001	353	23	1	356.546	-357.458	D	6.769	6.769	0	1.594	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	786	365.973	-357.042	D	7.222	7.222	0	2.514	89.64	4.79	0	0	0	0.01
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	6.533	6.533	0	1.131	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	6.604	6.604	0	1.269	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	6.616	6.616	0	1.292	0	0	0	0	0	0
									0.996							
NORANDA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.162	7.162	0	2.39	0	0	0	0	0	0
2001	2	23	1	356.546	-357.458	D	7.263	7.263	0	2.599	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	3	23	1	356.546	-357.458	D	8.553	8.553	0	5.476	0	0	0	0	0	0
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.4	7.4	0	2.888	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	8.31	8.31	0	4.906	0	0	0	0	0	0
2001	9	23	1	356.546	-357.458	D	9.291	9.291	0	7.294	0	0	0	0	0	0
2001	10	23	927	365.912	-357.454	D	7.328	7.328	0	2.736	98.28	0.01	0	0	0.07	0.71
2001	11	23	932	366.176	-356.761	D	8.856	8.855	0	6.204	96.95	0.06	0	0	0.08	2.74
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	930	366.19	-357.232	D	10.088	10.079	0.008	9.394	99.35	0.08	0	0	0.02	0.53
2001	14	23	941	365.977	-355.774	D	9.693	9.689	0.003	8.335	99.63	0.04	0	0	0	0.31
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2001	17	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	18	23	1	356.546	-357.458	D	6.74	6.74	0	1.536	0	0	0	0	0	0
2001	19	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	20	23	1	356.546	-357.458	D	6.59	6.59	0	1.242	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	6.759	6.759	0	1.574	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	0	0	0	0	0	0
2001	25	23	1	356.546	-357.458	D	6.601	6.601	0	1.262	0	0	0	0	0	0
2001	26	23	930	366.19	-357.232	D	6.522	6.522	0	1.108	86.77	0.21	0	0	0.19	12.96
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2001	28	23	933	366.169	-356.524	D	6.51	6.499	0.011	1.064	75.32	0.31	0	0	1.41	22.97
2001	29	23	62	357.925	-354.901	D	8.263	8.263	0	4.796	85.85	0.35	0	0	0.02	10.69
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	6.535	6.535	0	1.133	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	38	23	947	365.801	-355.162	D	6.693	6.684	0.008	1.426	65.21	0.43	0	0	1.32	33.03
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	9.263	9.263	0	7.224	0	0	0	0	0	0
2001	41	23	1	356.546	-357.458	D	6.621	6.621	0	1.301	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	42	23	853	361.666	-362.175	D	6.472	6.47	0.002	1.008	95.14	0.03	0	0	0.3	4.57
2001	43	23	965	363.588	-354.142	D	6.642	6.63	0.012	1.318	80.85	0.36	0	0	0.11	18.67
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	10.197	10.197	0	9.721	0	0	0	0	0	0
2001	46	23	930	366.19	-357.232	D	7.477	7.477	0	3.052	86.05	0.15	0	0	0.34	18.39
2001	47	23	668	364.346	-359.61	D	6.627	6.627	0	1.312	77.35	0.75	0	0	0.09	20.13
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	6.471	6.471	0	1.011	0	0	0	0	0	0
2001	50	23	907	365.051	-359.809	D	6.483	6.482	0.001	1.032	89.21	0.13	0	0	0.21	10.38
2001	51	23	1	356.546	-357.458	D	7.229	7.229	0	2.53	0	0	0	0	0	0
2001	52	23	310	360.625	-359.775	D	6.706	6.706	0	1.468	22.98	0	0	0	10.19	30.88
2001	53	23	906	364.982	-359.812	D	7.369	7.369	0	2.823	76.91	0.01	0	0	3.84	19.08
2001	54	23	900	364.265	-360.243	D	6.815	6.813	0.003	1.681	87.51	0.16	0	0	1.71	10.63
2001	55	23	997	359.928	-355.117	D	9.648	9.629	0.019	8.175	98.06	0.18	0	0	0.03	1.73
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	1	356.546	-357.458	D	6.502	6.502	0	1.07	0	0	0	0	0	0
2001	58	23	853	361.666	-362.175	D	6.552	6.531	0.021	1.126	88.45	0.11	0	0	0.54	10.9
2001	59	23	809	357.432	-359.845	D	6.866	6.848	0.019	1.751	93.41	0.1	0	0	0.2	6.3
2001	60	23	853	361.666	-362.175	D	6.604	6.599	0.005	1.259	91.18	0.05	0	0	0.99	7.8
2001	61	23	907	365.051	-359.809	D	7.944	7.93	0.014	4.04	98.03	0.04	0	0	0.04	1.87
2001	62	23	907	365.051	-359.809	D	6.694	6.694	0	1.445	96.85	0.02	0	0	0.03	2.84
2001	63	23	15	357.659	-360.155	D	6.584	6.584	0	1.229	61.59	0.26	0	0	0.02	15.07
2001	64	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	6.471	6.471	0	1.009	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	6.565	6.565	0	1.193	0	0	0	0	0	0
2001	68	23	1	356.546	-357.458	D	6.503	6.503	0	1.072	0	0	0	0	0	0
2001	69	23	44	358.21	-361.379	D	6.471	6.471	0	1.01	65.22	0.02	0	0	1.17	7.73
2001	70	23	907	365.051	-359.809	D	6.482	6.48	0.002	1.028	90.01	0.07	0	0	0.22	9.68
2001	71	23	747	364.871	-354.594	D	8.659	8.659	0	5.728	99.29	0.03	0	0	0.05	2.69
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	0	0	0	0	0	0
2001	75	23	934	366.01	-356.526	D	7.242	7.209	0.033	2.488	98.26	0.13	0	0	0.03	1.58
2001	76	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2001	77	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	6.484	6.484	0	1.035	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	6.473	6.473	0	1.014	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	81	23	1	356.546	-357.458	D	6.492	6.492	0	1.05	0	0	0	0	0	0
2001	82	23	907	365.051	-359.809	D	6.737	6.721	0.015	1.499	93.95	0.01	0	0	0.46	5.58
2001	83	23	907	365.051	-359.809	D	6.749	6.689	0.06	1.435	95.26	0.02	0	0	0.11	4.61
2001	84	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	6.491	6.491	0	1.048	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	6.468	6.468	0	1.005	0	0	0	0	0	0
2001	87	23	191	359.732	-362.061	D	6.488	6.483	0.005	1.034	89.73	0.12	0	0	0.97	9.14
2001	88	23	643	363.609	-354.151	D	6.938	6.936	0.002	1.928	94.75	0.07	0	0	0.2	4.99
2001	89	23	219	359.98	-362.05	D	7.331	7.266	0.065	2.605	98.71	0.05	0	0	0.06	1.18
2001	90	23	930	366.19	-357.232	D	7.749	7.726	0.023	3.59	98.73	0.07	0	0	0.05	1.15
2001	91	23	642	363.62	-354.4	D	6.473	6.473	0	1.014	90.76	0.15	0	0	0.07	7.04
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	949	365.722	-354.966	D	9.647	9.646	0.001	8.218	96.84	0.04	0	0	0.06	2.96
2001	94	23	949	365.722	-354.966	D	9.968	9.456	**0.512**	7.722	98.9	0.09	0	0	0.07	0.94
2001	95	23	964	363.678	-354.148	D	7.709	7.631	0.078	3.384	98.11	0.04	0	0	0.03	1.82
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2001	106	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	107	23	1	356.546	-357.458	D	6.477	6.477	0	1.021	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	6.479	6.479	0	1.026	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	6.54	6.54	0	1.144	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	6.507	6.507	0	1.08	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	6.482	6.482	0	1.03	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	941	365.977	-355.774	D	6.848	6.847	0.001	1.75	82.61	0.01	0	0	0.49	16.94

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	120	23	947	365.801	-355.162	D	7.203	7.198	0.004	2.466	97.91	0	0	0	0.06	1.99
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	8.162	8.162	0	4.564	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	6.506	6.506	0	1.078	0	0	0	0	0	0
2001	129	23	1	356.546	-357.458	D	6.631	6.631	0	1.321	0	0	0	0	0	0
2001	130	23	1	356.546	-357.458	D	6.846	6.846	0	1.747	0	0	0	0	0	0
2001	131	23	1	356.546	-357.458	D	7.488	7.488	0	3.075	0	0	0	0	0	0
2001	132	23	1	356.546	-357.458	D	8.544	8.544	0	5.453	0	0	0	0	0	0
2001	133	23	1	356.546	-357.458	D	6.549	6.549	0	1.162	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1	356.546	-357.458	D	8.015	8.015	0	4.231	0	0	0	0	0	0
2001	139	23	1	356.546	-357.458	D	8.652	8.652	0	5.713	0	0	0	0	0	0
2001	140	23	1	356.546	-357.458	D	7.557	7.557	0	3.224	0	0	0	0	0	0
2001	141	23	1	356.546	-357.458	D	8.617	8.617	0	5.629	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0
2001	149	23	1039	356.522	-357.599	D	6.877	6.847	0.03	1.748	94.63	0	0	0	0.54	4.83
2001	150	23	955	364.92	-354.582	D	8.543	8.54	0.003	5.445	94.42	0.01	0	0	0.34	5.23
2001	151	23	1017	356.894	-355.206	D	8.84	8.828	0.012	6.138	96.78	0.02	0	0	0.08	3.1
2001	152	23	933	366.169	-356.524	D	6.969	6.935	0.034	1.927	98.33	0.01	0	0	0.03	1.63
2001	153	23	1	356.546	-357.458	D	7.018	7.018	0	2.095	0	0	0	0	0	0
2001	154	23	822	358.021	-361.607	D	7.248	7.18	0.068	2.427	96.36	0.03	0	0	0.13	3.47
2001	155	23	967	363.478	-354.116	D	8.882	8.881	0	6.268	98.79	0.01	0	0	0.03	0.94
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	1	356.546	-357.458	D	7.49	7.49	0	3.08	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	159	23	301	360.724	-362.017	D	7.102	7.102	0	2.266	84.18	0.07	0	0	0.12	10.21
2001	160	23	852	361.595	-362.148	D	7.349	7.349	0	2.78	98.71	0	0	0	0.22	0.93
2001	161	23	219	359.98	-362.05	D	7.102	7.06	0.042	2.18	97.85	0	0	0	0.14	2.01
2001	162	23	930	366.19	-357.232	D	7.252	7.179	0.074	2.424	98.06	0	0	0	0.1	1.84
2001	163	23	934	366.01	-356.526	D	6.977	6.949	0.028	1.955	98.15	0	0	0	0.13	1.72
2001	164	23	785	365.637	-355.06	D	6.971	6.971	0	2	97.63	0	0	0	0.06	1.36
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	380	361.468	-361.984	D	6.56	6.56	0	1.182	58.62	0	0	0	11.92	25.51
2001	169	23	1035	356.477	-356.792	D	6.696	6.664	0.031	1.387	97.57	0	0	0	0.17	2.25
2001	170	23	265	360.019	-357.305	D	6.956	6.956	0	1.969	72.02	0	0	0	0.05	2.56
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1	356.546	-357.458	D	7.742	7.742	0	3.625	0	0	0	0	0	0
2001	173	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	0	0	0	0	0	0
2001	174	23	1	356.546	-357.458	D	6.633	6.633	0	1.326	0	0	0	0	0	0
2001	175	23	1	356.546	-357.458	D	6.679	6.679	0	1.415	0	0	0	0	0	0
2001	176	23	907	365.051	-359.809	D	7.114	7.104	0.01	2.271	99.01	0	0	0	0.15	0.83
2001	177	23	930	366.19	-357.232	D	7.055	6.949	0.107	1.954	97.47	0	0	0	0.2	2.32
2001	178	23	933	366.169	-356.524	D	7.203	7.08	0.123	2.222	98.28	0	0	0	0.12	1.6
2001	179	23	964	363.678	-354.148	D	9.172	8.963	0.208	6.471	99.51	0.01	0	0	0.02	0.46
2001	180	23	974	362.281	-354.249	D	8.449	8.433	0.016	5.191	99.28	0	0	0	0.02	0.68
2001	181	23	255	360.129	-359.796	D	7.767	7.767	0	3.68	29.15	0	0	0	0.01	2.43
2001	182	23	785	365.637	-355.06	D	8.543	8.543	0.001	5.452	93.11	0.04	0	0	0.21	6.28
2001	183	23	932	366.176	-356.761	D	7.571	7.569	0.003	3.248	95.66	0.03	0	0	0.11	4.19
2001	184	23	930	366.19	-357.232	D	8.787	8.781	0.006	6.023	98.6	0	0	0	0.03	1.35
2001	185	23	775	365.747	-357.551	D	7.042	7.041	0	2.143	95.24	0	0	0	0.38	4.02
2001	186	23	1	356.546	-357.458	D	7.048	7.048	0	2.156	0	0	0	0	0	0
2001	187	23	1	356.546	-357.458	D	6.943	6.943	0	1.943	0	0	0	0	0	0
2001	188	23	928	365.945	-357.303	D	7.749	7.748	0.001	3.637	99.5	0	0	0	0.02	0.48
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	1	356.546	-357.458	D	7.127	7.127	0	2.318	0	0	0	0	0	0
2001	192	23	1	356.546	-357.458	D	7.053	7.053	0	2.166	0	0	0	0	0	0
2001	193	23	947	365.801	-355.162	D	7.331	7.253	0.078	2.578	95.48	0	0	0	0.22	4.31
2001	194	23	811	357.434	-360.225	D	8.018	7.801	0.217	3.754	98.49	0.02	0	0	0.03	1.46
2001	195	23	821	358.053	-361.416	D	6.601	6.601	0	1.263	87.89	0	0	0	0.3	13.75
2001	196	23	809	357.432	-359.845	D	6.73	6.705	0.025	1.466	93.59	0	0	0	0.98	5.42
2001	197	23	1009	357.941	-354.82	D	6.984	6.982	0.003	2.021	87.75	0	0	0	0.43	11.78

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	198	23	618	363.371	-354.411	D	9.01	9.01	0	6.587	90.84	0.03	0	0	0.05	8.59
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.402	7.402	0	2.893	0	0	0	0	0	0
2001	202	23	900	364.265	-360.243	D	6.947	6.947	0	1.95	86.73	0.01	0	0	0.17	6.15
2001	203	23	930	366.19	-357.232	D	7.368	7.367	0.001	2.819	98.45	0	0	0	0.07	1.42
2001	204	23	930	366.19	-357.232	D	7.807	7.741	0.067	3.622	99.13	0	0	0	0.05	0.82
2001	205	23	255	360.129	-359.796	D	7.928	7.821	0.107	3.799	99.31	0	0	0	0.03	0.66
2001	206	23	996	360.121	-355.113	D	8.221	8.118	0.103	4.465	99.46	0	0	0	0.02	0.52
2001	207	23	901	364.256	-360.039	D	8.872	8.807	0.065	6.087	99.62	0	0	0	0.01	0.37
2001	208	23	947	365.801	-355.162	D	8.976	8.924	0.052	6.374	99.55	0.01	0	0	0.01	0.43
2001	209	23	930	366.19	-357.232	D	8.336	8.286	0.05	4.85	99.42	0.01	0	0	0.02	0.55
2001	210	23	930	366.19	-357.232	D	8.838	8.838	0	6.161	98.57	0	0	0	0.01	0.94
2001	211	23	15	357.659	-360.155	D	7.65	7.65	0	3.424	29.48	0	0	0	0.03	1.27
2001	212	23	933	366.169	-356.524	D	9.383	9.344	0.039	7.431	99.52	0	0	0	0.06	0.41
2001	213	23	930	366.19	-357.232	D	9.224	9.115	0.109	6.849	99.42	0	0	0	0.03	0.54
2001	214	23	934	366.01	-356.526	D	7.915	7.893	0.021	3.959	99.4	0	0	0	0.03	0.58
2001	215	23	933	366.169	-356.524	D	6.931	6.93	0.002	1.915	99.04	0	0	0	0.04	0.91
2001	216	23	930	366.19	-357.232	D	7.058	7.058	0	2.177	98.2	0	0	0	0.04	1.44
2001	217	23	310	360.625	-359.775	D	6.982	6.982	0	2.022	84.42	0	0	0	0.1	0.69
2001	218	23	63	358.458	-361.368	D	7.069	7.069	0	2.198	34.02	0	0	0	12.6	24.7
2001	219	23	853	361.666	-362.175	D	7.706	7.277	0.429	2.63	98.01	0	0	0	0.28	1.7
2001	220	23	822	358.021	-361.607	D	7.462	7.385	0.078	2.856	98.59	0	0	0	0.14	1.27
2001	221	23	900	364.265	-360.243	D	7.402	7.378	0.024	2.842	99	0	0	0	0.05	0.95
2001	222	23	929	366.032	-357.239	D	8.281	8.281	0	4.838	98.85	0	0	0	0.04	0.72
2001	223	23	1	356.546	-357.458	D	8.634	8.634	0	5.668	0	0	0	0	0	0
2001	224	23	907	365.051	-359.809	D	6.979	6.979	0	2.015	94.42	0	0	0	0.52	4.72
2001	225	23	853	361.666	-362.175	D	7.16	7.158	0.002	2.382	98.35	0.02	0	0	0.08	1.53
2001	226	23	1	356.546	-357.458	D	6.843	6.843	0	1.74	54.82	0	0	0	0.14	3.32
2001	227	23	1	356.546	-357.458	D	6.725	6.725	0	1.506	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.815	7.815	0	3.785	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	6.929	6.929	0	1.914	0	0	0	0	0	0
2001	232	23	1	356.546	-357.458	D	6.739	6.739	0	1.533	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.263	7.263	0	2.6	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	329	360.972	-362.006	D	6.929	6.929	0	1.915	93.22	0	0	0	0.01	0.37
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	8.255	8.255	0	4.778	0	0	0	0	0	0
2001	239	23	1	356.546	-357.458	D	7.264	7.264	0	2.603	0	0	0	0	0	0
2001	240	23	1	356.546	-357.458	D	7.063	7.063	0	2.187	0	0	0	0	0	0
2001	241	23	1	356.546	-357.458	D	6.868	6.868	0	1.792	0	0	0	0	0	0
2001	242	23	1	356.546	-357.458	D	7.487	7.487	0	3.073	0	0	0	0	0	0
2001	243	23	1	356.546	-357.458	D	7.675	7.675	0	3.479	0	0	0	0	0	0
2001	244	23	1	356.546	-357.458	D	8.257	8.257	0	4.784	0	0	0	0	0	0
2001	245	23	836	360.07	-362.066	D	7.794	7.434	0.36	2.961	97.3	0.05	0	0	0.2	2.45
2001	246	23	822	358.021	-361.607	D	7.484	7.442	0.042	2.978	98.78	0	0	0	0.09	1.13
2001	247	23	1035	356.477	-356.792	D	6.83	6.826	0.004	1.708	98.48	0	0	0	0.12	1.38
2001	248	23	219	359.98	-362.05	D	7.331	7.216	0.115	2.502	97.35	0	0	0	0.47	2.17
2001	249	23	967	363.478	-354.116	D	9.155	8.946	0.208	6.429	98.87	0.01	0	0	0.04	1.07
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	8.546	8.546	0	5.459	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	6.969	6.969	0	1.996	0	0	0	0	0	0
2001	254	23	907	365.051	-359.809	D	6.697	6.697	0	1.451	44.24	0	0	0	13.22	41.09
2001	255	23	822	358.021	-361.607	D	6.824	6.82	0.003	1.696	79.95	0	0	0	2.38	17.64
2001	256	23	822	358.021	-361.607	D	6.939	6.939	0.001	1.934	81.25	0	0	0	2.4	16.49
2001	257	23	15	357.659	-360.155	D	7.063	7.063	0	2.187	80.08	0	0	0	1.82	16.25
2001	258	23	1017	356.894	-355.206	D	6.733	6.732	0	1.521	97.54	0	0	0	0.12	2.26
2001	259	23	822	358.021	-361.607	D	6.696	6.688	0.008	1.434	96.82	0	0	0	0.24	2.93
2001	260	23	228	359.881	-359.807	D	7.013	6.958	0.055	1.972	97.94	0	0	0	0.07	1.99
2001	261	23	930	366.19	-357.232	D	8.965	8.93	0.036	6.388	99.3	0	0	0	0.02	0.69
2001	262	23	774	365.389	-355.071	D	8.103	8.103	0	4.43	89.71	0.04	0	0	0.06	3.87
2001	263	23	1	356.546	-357.458	D	7.025	7.025	0	2.109	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	265	23	1	356.546	-357.458	D	6.945	6.945	0	1.947	0	0	0	0	0	0
2001	266	23	1	356.546	-357.458	D	7.683	7.683	0	3.495	0	0	0	0	0	0
2001	267	23	1	356.546	-357.458	D	7.433	7.433	0	2.957	0	0	0	0	0	0
2001	268	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	6.541	6.541	0	1.146	0	0	0	0	0	0
2001	270	23	1	356.546	-357.458	D	6.613	6.613	0	1.287	0	0	0	0	0	0
2001	271	23	1	356.546	-357.458	D	6.668	6.668	0	1.395	0	0	0	0	0	0
2001	272	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.263	7.263	0	2.601	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	6.99	6.99	0	2.038	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	1	356.546	-357.458	D	8.902	8.902	0	6.32	0	0	0	0	0	0
2001	279	23	1	356.546	-357.458	D	7.211	7.211	0	2.492	0	0	0	0	0	0
2001	280	23	1	356.546	-357.458	D	6.552	6.552	0	1.168	0	0	0	0	0	0
2001	281	23	930	366.19	-357.232	D	6.67	6.652	0.018	1.362	95.45	0.03	0	0	0.22	4.29
2001	282	23	974	362.281	-354.249	D	7.315	7.315	0	2.709	61.34	0.06	0	0	0.11	27.58
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	285	23	1	356.546	-357.458	D	9.591	9.591	0	8.074	0	0	0	0	0	0
2001	286	23	1	356.546	-357.458	D	9.874	9.874	0	8.83	0	0	0	0	0	0
2001	287	23	1	356.546	-357.458	D	6.998	6.998	0	2.054	0	0	0	0	0	0
2001	288	23	1	356.546	-357.458	D	6.921	6.921	0	1.899	0	0	0	0	0	0
2001	289	23	1	356.546	-357.458	D	7.189	7.189	0	2.446	0	0	0	0	0	0
2001	290	23	1	356.546	-357.458	D	6.492	6.492	0	1.051	0	0	0	0	0	0
2001	291	23	930	366.19	-357.232	D	6.559	6.559	0	1.18	93.68	0.01	0	0	0.26	6
2001	292	23	1	356.546	-357.458	D	6.741	6.741	0	1.537	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.888	7.888	0	3.946	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	9.504	9.504	0	7.846	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	301	23	906	364.982	-359.812	D	6.483	6.482	0	1.032	89.72	0.02	0	0	0.97	9.12
2001	302	23	930	366.19	-357.232	D	6.511	6.503	0.008	1.072	91.87	0.05	0	0	0.25	7.83
2001	303	23	931	366.183	-356.996	D	6.562	6.562	0	1.186	94.08	0.01	0	0	0.04	5.21
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	900	364.265	-360.243	D	9.238	9.238	0	7.161	50	0	0	0	8.33	37.58
2001	308	23	832	359.493	-362.061	D	6.668	6.667	0.001	1.392	48.89	0	0	0	4.78	46.29
2001	309	23	15	357.659	-360.155	D	8.853	8.853	0	6.199	69.35	0	0	0	2.34	27.16
2001	310	23	822	358.021	-361.607	D	7.133	7.133	0	2.331	94.3	0	0	0	0.5	5.3
2001	311	23	907	365.051	-359.809	D	7.365	7.349	0.016	2.78	97.97	0.01	0	0	0.1	1.93
2001	312	23	933	366.169	-356.524	D	7.603	7.601	0.002	3.318	95.11	0.02	0	0	0.08	4.74
2001	313	23	1	356.546	-357.458	D	6.589	6.589	0	1.238	0	0	0	0	0	0
2001	314	23	1	356.546	-357.458	D	6.664	6.664	0	1.385	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	315	23	1	356.546	-357.458	D	6.73	6.73	0	1.517	0	0	0	0	0	0
2001	316	23	861	361.895	-361.506	D	6.677	6.656	0.022	1.369	88.55	0.01	0	0	2.52	8.93
2001	317	23	1017	356.894	-355.206	D	6.771	6.761	0.009	1.578	71.92	0.21	0	0	0.32	27.54
2001	318	23	62	357.925	-354.901	D	7.181	7.18	0	2.428	94.55	0.01	0	0	0.02	5.25
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	853	361.666	-362.175	D	7.282	7.276	0.007	2.626	93.92	0.03	0	0	0.48	5.57
2001	322	23	933	366.169	-356.524	D	8.19	7.801	0.389	3.755	98.42	0.04	0	0	0.06	1.48
2001	323	23	643	363.609	-354.151	D	7.802	7.802	0	3.757	99.67	0	0	0	0.03	0.9
2001	324	23	1	356.546	-357.458	D	6.474	6.474	0	1.017	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	6.515	6.515	0	1.096	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	905	364.788	-359.816	D	8.638	8.638	0	5.678	94.69	0.12	0	0	0.34	1.11
2001	333	23	853	361.666	-362.175	D	10.092	10.092	0	9.427	98.89	0.11	0	0	0.02	0.72
2001	334	23	853	361.666	-362.175	D	8.716	8.716	0	5.865	99.2	0.08	0	0	0	0.5
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	932	366.176	-356.761	D	6.668	6.668	0	1.394	95.9	0.01	0	0	0.24	3.38
2001	337	23	932	366.176	-356.761	D	7.021	7.02	0	2.099	96.09	0.01	0	0	0.18	3.07
2001	338	23	930	366.19	-357.232	D	6.991	6.991	0	2.04	85.07	0.03	0	0	0.23	13.89
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	1	356.546	-357.458	D	7.947	7.947	0	4.078	0	0	0	0	0	0
2001	342	23	933	366.169	-356.524	D	8.273	8.094	0.18	4.409	99.68	0.04	0	0	0.01	0.27
2001	343	23	1	356.546	-357.458	D	6.6	6.6	0	1.26	0	0	0	0	0	0
2001	344	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	345	23	930	366.19	-357.232	D	6.572	6.557	0.015	1.178	90.96	0.11	0	0	0.63	8.3
2001	346	23	949	365.722	-354.966	D	9.531	9.529	0.002	7.91	65.81	0.61	0	0	0.34	33.24
2001	347	23	1	356.546	-357.458	D	9.597	9.597	0	8.089	0	0	0	0	0	0
2001	348	23	1	356.546	-357.458	D	8.779	8.779	0	6.019	0	0	0	0	0	0
2001	349	23	1	356.546	-357.458	D	8.813	8.813	0	6.101	0	0	0	0	0	0
2001	350	23	907	365.051	-359.809	D	10.592	10.116	0.476	9.495	99.55	0.03	0	0	0.05	0.37
2001	351	23	907	365.051	-359.809	D	9.557	9.424	0.133	7.638	99.81	0.02	0	0	0.01	0.15
2001	352	23	1	356.546	-357.458	D	6.564	6.564	0	1.19	0	0	0	0	0	0
2001	353	23	1	356.546	-357.458	D	6.769	6.769	0	1.594	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	354	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	6.533	6.533	0	1.131	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	6.604	6.604	0	1.269	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	6.616	6.616	0	1.292	0	0	0	0	0	0
									0.512							
INDEPENDENCE									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	947	365.801	-355.162	D	7.16	7.158	0.002	2.381	80.84	18.01	0	0	0	1.14
2001	2	23	949	365.722	-354.966	D	7.6	7.265	0.335	2.603	89.01	10.56	0	0	0	0.44
2001	3	23	947	365.801	-355.162	D	8.655	8.568	0.087	5.511	92.19	7.6	0	0	0	0.21
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	645	364.109	-359.871	D	7.732	7.39	0.343	2.867	65.53	33.27	0	0	0	1.2
2001	8	23	784	365.648	-355.309	D	8.544	8.24	0.305	4.743	73.15	25.55	0	0	0	1.3
2001	9	23	822	358.021	-361.607	D	10.236	9.313	**0.923**	7.352	92.75	7.15	0	0	0	0.11
2001	10	23	16	357.648	-359.906	D	7.403	7.368	0.035	2.82	90.66	9.07	0	0	0	0.27
2001	11	23	949	365.722	-354.966	D	8.857	8.856	0	6.207	93.78	5.55	0	0	0	0.36
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1006	358.469	-354.76	D	6.816	6.751	0.064	1.558	73.16	24.36	0	0	0	2.48
2001	17	23	822	358.021	-361.607	D	6.756	6.755	0.001	1.566	79.66	18.77	0	0	0	1.57
2001	18	23	1017	356.894	-355.206	D	6.764	6.74	0.023	1.536	89.92	8.88	0	0	0	1.2
2001	19	23	822	358.021	-361.607	D	6.915	6.886	0.029	1.827	79.07	18.95	0	0	0	1.98
2001	20	23	102	358.487	-356.374	D	6.721	6.59	0.13	1.242	68.32	28.59	0	0	0	3.09
2001	21	23	787	365.962	-356.793	D	6.484	6.484	0	1.036	71.85	23.07	0	0	0	1.88
2001	22	23	747	364.871	-354.594	D	6.756	6.756	0	1.567	67.25	29.62	0	0	0	1.76

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	1011	357.717	-354.92	D	6.843	6.768	0.074	1.592	89.22	10.21	0	0	0	0.57
2001	25	23	1	356.546	-357.458	D	6.601	6.601	0	1.262	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	27	23	624	363.817	-358.885	D	6.677	6.638	0.04	1.334	64.31	32.16	0	0	0	3.53
2001	28	23	1035	356.477	-356.792	D	6.511	6.503	0.007	1.072	79.31	18.96	0	0	0	1.73
2001	29	23	1	356.546	-357.458	D	8.263	8.263	0	4.796	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	949	365.722	-354.966	D	6.57	6.534	0.036	1.131	61.96	33.53	0	0	0	4.51
2001	34	23	931	366.183	-356.996	D	6.47	6.47	0	1.009	76.47	21.3	0	0	0	1.95
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	1008	358.048	-354.775	D	6.491	6.489	0.002	1.045	91.06	5.8	0	0	0	3.17
2001	38	23	966	363.538	-354.124	D	6.693	6.684	0.009	1.426	85.02	13.55	0	0	0	1.43
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	986	360.908	-354.689	D	9.655	9.296	0.359	7.308	80.96	18.77	0	0	0	0.28
2001	41	23	1039	356.522	-357.599	D	6.643	6.621	0.023	1.301	59.62	35.97	0	0	0	4.4
2001	42	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	6.623	6.623	0	1.305	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	10.197	10.197	0	9.721	0	0	0	0	0	0
2001	46	23	836	360.07	-362.066	D	7.739	7.421	0.317	2.934	92.43	6.89	0	0	0	0.68
2001	47	23	645	364.109	-359.871	D	6.901	6.627	0.275	1.312	88.05	11.14	0	0	0	0.81
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	1017	356.894	-355.206	D	6.495	6.471	0.023	1.011	83.9	14.66	0	0	0	1.44
2001	50	23	643	363.609	-354.151	D	6.483	6.482	0	1.032	89.82	9.39	0	0	0	0.85
2001	51	23	643	363.609	-354.151	D	7.206	7.205	0	2.48	97.1	2.23	0	0	0	0.59
2001	52	23	810	357.434	-360.005	D	6.748	6.729	0.019	1.514	94.25	5.43	0	0	0	0.33
2001	53	23	1017	356.894	-355.206	D	7.371	7.366	0.005	2.816	94.07	5.8	0	0	0	0.13
2001	54	23	1	356.546	-357.458	D	6.804	6.804	0	1.664	33.74	0.85	0	0	0	0.11
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	933	366.169	-356.524	D	6.507	6.502	0.005	1.069	92.44	6.16	0	0	0	1.41
2001	58	23	933	366.169	-356.524	D	6.543	6.532	0.011	1.128	93.83	5.55	0	0	0	0.61
2001	59	23	1017	356.894	-355.206	D	6.852	6.848	0.004	1.751	94.01	5.83	0	0	0	0.17
2001	60	23	1	356.546	-357.458	D	6.611	6.611	0	1.281	0	0	0	0	0	0
2001	61	23	1	356.546	-357.458	D	7.906	7.906	0	3.988	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	62	23	1017	356.894	-355.206	D	6.694	6.693	0.001	1.444	91.37	6.64	0	0	0	1.83
2001	63	23	1017	356.894	-355.206	D	6.678	6.586	0.092	1.234	92.66	6.65	0	0	0	0.69
2001	64	23	1039	356.522	-357.599	D	6.628	6.562	0.066	1.187	74.72	21.79	0	0	0	3.49
2001	65	23	949	365.722	-354.966	D	6.561	6.527	0.034	1.119	80.92	16.53	0	0	0	2.54
2001	66	23	1008	358.048	-354.775	D	6.526	6.471	0.056	1.009	93.17	5.16	0	0	0	1.68
2001	67	23	927	365.912	-357.454	D	6.703	6.565	0.138	1.192	80.09	17.49	0	0	0	2.42
2001	68	23	949	365.722	-354.966	D	6.514	6.503	0.011	1.072	82.67	14.17	0	0	0	3.17
2001	69	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0
2001	70	23	1	356.546	-357.458	D	6.483	6.483	0	1.032	0	0	0	0	0	0
2001	71	23	1	356.546	-357.458	D	8.688	8.688	0	5.798	0	0	0	0	0	0
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	949	365.722	-354.966	D	7.113	7.112	0.001	2.287	83.52	13.84	0	0	0	2.87
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	0	0	0	0	0	0
2001	75	23	1002	359.309	-354.73	D	7.388	7.165	0.224	2.396	90.51	9.07	0	0	0	0.42
2001	76	23	1039	356.522	-357.599	D	6.672	6.655	0.017	1.369	73.87	22.99	0	0	0	3.14
2001	77	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	6.484	6.484	0	1.035	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	6.473	6.473	0	1.014	0	0	0	0	0	0
2001	81	23	1	356.546	-357.458	D	6.492	6.492	0	1.05	0	0	0	0	0	0
2001	82	23	1	356.546	-357.458	D	6.712	6.712	0	1.48	0	0	0	0	0	0
2001	83	23	1	356.546	-357.458	D	6.686	6.686	0	1.43	0	0	0	0	0	0
2001	84	23	1039	356.522	-357.599	D	6.485	6.483	0.002	1.034	85.69	11.54	0	0	0	2.71
2001	85	23	822	358.021	-361.607	D	6.498	6.489	0.009	1.044	85.54	12.23	0	0	0	2.23
2001	86	23	1017	356.894	-355.206	D	6.469	6.468	0.001	1.005	87.84	10.57	0	0	0	1.46
2001	87	23	1017	356.894	-355.206	D	6.483	6.483	0	1.034	95.3	3.28	0	0	0	1.1
2001	88	23	1	356.546	-357.458	D	6.911	6.911	0	1.878	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	90	23	949	365.722	-354.966	D	7.56	7.56	0	3.229	91.97	6.42	0	0	0	1.89
2001	91	23	949	365.722	-354.966	D	6.488	6.473	0.014	1.014	88.45	8.73	0	0	0	2.82
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	8.48	8.405	0.076	5.126	97.52	1.58	0	0	0	0.9
2001	106	23	933	366.169	-356.524	D	6.521	6.491	0.03	1.049	88.76	8.33	0	0	0	2.91
2001	107	23	907	365.051	-359.809	D	6.483	6.477	0.006	1.022	68.88	24.69	0	0	0	6.42
2001	108	23	1035	356.477	-356.792	D	6.507	6.479	0.027	1.026	95.8	3.22	0	0	0	0.98
2001	109	23	933	366.169	-356.524	D	6.543	6.54	0.004	1.143	98.84	0.62	0	0	0	0.54
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1035	356.477	-356.792	D	6.521	6.507	0.013	1.08	95.91	1.68	0	0	0	2.4
2001	115	23	1017	356.894	-355.206	D	6.512	6.482	0.03	1.03	96.82	2.21	0	0	0	0.97
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	6.862	6.862	0	1.778	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	933	366.169	-356.524	D	8.237	8.205	0.032	4.663	98.31	0.37	0	0	0	1.31
2001	128	23	1035	356.477	-356.792	D	6.538	6.506	0.032	1.078	97.95	0.8	0	0	0	1.25
2001	129	23	933	366.169	-356.524	D	6.679	6.636	0.043	1.33	99.14	0.3	0	0	0	0.56
2001	130	23	932	366.176	-356.761	D	6.842	6.841	0.001	1.737	99.5	0.08	0	0	0	0.29
2001	131	23	1	356.546	-357.458	D	7.488	7.488	0	3.075	0	0	0	0	0	0
2001	132	23	930	366.19	-357.232	D	8.729	8.583	0.146	5.547	95.53	4.38	0	0	0	0.09
2001	133	23	1	356.546	-357.458	D	6.549	6.549	0	1.162	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1035	356.477	-356.792	D	8.023	8.015	0.008	4.231	98.4	1.49	0	0	0	0.11
2001	139	23	907	365.051	-359.809	D	8.781	8.695	0.086	5.816	98.86	1.1	0	0	0	0.04

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	140	23	519	362.902	-360.673	D	7.504	7.504	0	3.11	95.47	0.03	0	0	0	0.31
2001	141	23	1	356.546	-357.458	D	8.617	8.617	0	5.629	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	949	365.722	-354.966	D	6.985	6.974	0.011	2.005	99.29	0.05	0	0	0	0.65
2001	149	23	901	364.256	-360.039	D	6.974	6.858	0.117	1.77	99.42	0.27	0	0	0	0.31
2001	150	23	963	363.809	-354.192	D	8.557	8.54	0.016	5.445	99.56	0.23	0	0	0	0.21
2001	151	23	1	356.546	-357.458	D	8.828	8.828	0	6.138	0	0	0	0	0	0
2001	152	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2001	153	23	967	363.478	-354.116	D	7.045	7.019	0.026	2.097	95.62	2.43	0	0	0	1.95
2001	154	23	947	365.801	-355.162	D	7.164	7.158	0.005	2.383	98.23	1.52	0	0	0	0.24
2001	155	23	1	356.546	-357.458	D	8.898	8.898	0	6.309	0	0	0	0	0	0
2001	156	23	542	362.638	-354.693	D	7.611	7.611	0	3.34	76.25	0.14	0	0	0	0.12
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.551	7.492	0.059	3.084	98.79	0.97	0	0	0	0.24
2001	159	23	1039	356.522	-357.599	D	7.293	7.106	0.187	2.275	99.64	0.21	0	0	0	0.15
2001	160	23	836	360.07	-362.066	D	7.349	7.349	0	2.78	99.78	0.01	0	0	0	0.21
2001	161	23	1	356.546	-357.458	D	7.047	7.047	0	2.153	0	0	0	0	0	0
2001	162	23	1	356.546	-357.458	D	7.16	7.16	0	2.387	0	0	0	0	0	0
2001	163	23	1	356.546	-357.458	D	6.91	6.91	0	1.876	0	0	0	0	0	0
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	852	361.595	-362.148	D	6.562	6.56	0.002	1.182	99.36	0.02	0	0	0	0.56
2001	169	23	930	366.19	-357.232	D	6.671	6.668	0.003	1.394	99.57	0.03	0	0	0	0.36
2001	170	23	747	364.871	-354.594	D	6.956	6.956	0	1.969	96.96	0.01	0	0	0	0.28
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	949	365.722	-354.966	D	7.944	7.73	0.215	3.598	99.22	0.49	0	0	0	0.28
2001	173	23	949	365.722	-354.966	D	6.834	6.772	0.063	1.599	98.65	0.16	0	0	0	1.19
2001	174	23	822	358.021	-361.607	D	6.711	6.637	0.074	1.333	98.65	0.36	0	0	0	0.99
2001	175	23	907	365.051	-359.809	D	6.671	6.668	0.003	1.394	99.23	0.09	0	0	0	0.62
2001	176	23	789	365.918	-355.796	D	7.107	7.104	0.002	2.271	99.64	0.08	0	0	0	0.2
2001	177	23	618	363.371	-354.411	D	6.936	6.935	0	1.927	99.68	0.04	0	0	0	0.2
2001	178	23	1	356.546	-357.458	D	7.074	7.074	0	2.209	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	179	23	1	356.546	-357.458	D	8.961	8.961	0	6.466	0	0	0	0	0	0
2001	180	23	1	356.546	-357.458	D	8.357	8.357	0	5.014	0	0	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	974	362.281	-354.249	D	8.556	8.543	0.014	5.452	99.8	0.02	0	0	0	0.18
2001	183	23	1017	356.894	-355.206	D	7.466	7.425	0.04	2.942	99.53	0.31	0	0	0	0.15
2001	184	23	934	366.01	-356.526	D	8.785	8.781	0.004	6.023	99.94	0.03	0	0	0	0.05
2001	185	23	1	356.546	-357.458	D	7.034	7.034	0	2.127	0	0	0	0	0	0
2001	186	23	964	363.678	-354.148	D	7.097	7.063	0.034	2.186	99.49	0.04	0	0	0	0.47
2001	187	23	853	361.666	-362.175	D	7.085	6.957	0.128	1.97	99.68	0.06	0	0	0	0.26
2001	188	23	941	365.977	-355.774	D	7.796	7.748	0.049	3.637	99.89	0.02	0	0	0	0.09
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.56	7.115	0.445	2.293	99.33	0.44	0	0	0	0.23
2001	192	23	853	361.666	-362.175	D	7.091	7.059	0.032	2.178	99.63	0.03	0	0	0	0.33
2001	193	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	194	23	1	356.546	-357.458	D	7.743	7.743	0	3.628	0	0	0	0	0	0
2001	195	23	1	356.546	-357.458	D	6.6	6.6	0	1.261	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	6.705	6.705	0	1.466	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.402	7.402	0	2.893	0	0	0	0	0	0
2001	202	23	780	365.692	-356.306	D	6.967	6.967	0	1.991	98.96	0.01	0	0	0	0.39
2001	203	23	933	366.169	-356.524	D	7.368	7.367	0.001	2.819	99.65	0.21	0	0	0	0.15
2001	204	23	1	356.546	-357.458	D	7.546	7.546	0	3.199	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.753	7.753	0	3.65	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	8.069	8.069	0	4.353	0	0	0	0	0	0
2001	207	23	961	364.092	-354.289	D	8.772	8.765	0.008	5.983	99.69	0.11	0	0	0	0.16
2001	208	23	949	365.722	-354.966	D	8.994	8.924	0.07	6.374	99.46	0.49	0	0	0	0.05
2001	209	23	933	366.169	-356.524	D	8.323	8.286	0.037	4.85	99.33	0.62	0	0	0	0.05
2001	210	23	929	366.032	-357.239	D	8.838	8.838	0	6.161	100.35	0.1	0	0	0	0.11
2001	211	23	933	366.169	-356.524	D	7.745	7.702	0.042	3.538	99.52	0.32	0	0	0	0.16
2001	212	23	933	366.169	-356.524	D	9.435	9.344	0.091	7.431	99.93	0.02	0	0	0	0.04
2001	213	23	933	366.169	-356.524	D	9.118	9.115	0.003	6.849	99.97	0.01	0	0	0	0.03
2001	214	23	1	356.546	-357.458	D	7.804	7.804	0	3.76	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	6.91	6.91	0	1.877	0	0	0	0	0	0
2001	216	23	930	366.19	-357.232	D	7.091	7.058	0.033	2.177	99.25	0.55	0	0	0	0.2
2001	217	23	822	358.021	-361.607	D	6.996	6.996	0.001	2.049	99.8	0.02	0	0	0	0.24

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	218	23	1	356.546	-357.458	D	7.068	7.068	0	2.197	0	0	0	0	0	0
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	822	358.021	-361.607	D	8.232	8.206	0.026	4.666	99.38	0.21	0	0	0	0.41
2001	223	23	846	360.93	-362.178	D	8.881	8.646	0.234	5.699	98.22	1.7	0	0	0	0.07
2001	224	23	930	366.19	-357.232	D	7.021	7.018	0.003	2.095	99.34	0.42	0	0	0	0.22
2001	225	23	907	365.051	-359.809	D	7.165	7.16	0.006	2.385	99.17	0.72	0	0	0	0.1
2001	226	23	1	356.546	-357.458	D	6.843	6.843	0	1.74	0	0	0	0	0	0
2001	227	23	1	356.546	-357.458	D	6.725	6.725	0	1.506	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.815	7.815	0	3.785	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	1017	356.894	-355.206	D	6.972	6.929	0.043	1.914	98.38	0.25	0	0	0	1.36
2001	232	23	822	358.021	-361.607	D	6.891	6.741	0.151	1.537	99.17	0.18	0	0	0	0.65
2001	233	23	949	365.722	-354.966	D	7.244	7.214	0.029	2.499	99.68	0.08	0	0	0	0.25
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	6.921	6.921	0	1.898	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	933	366.169	-356.524	D	8.321	8.271	0.05	4.814	94	5.73	0	0	0	0.27
2001	239	23	822	358.021	-361.607	D	7.249	7.235	0.014	2.543	98.96	0.81	0	0	0	0.23
2001	240	23	932	366.176	-356.761	D	7.156	7.15	0.006	2.365	99.57	0.12	0	0	0	0.31
2001	241	23	949	365.722	-354.966	D	6.884	6.846	0.038	1.747	99.44	0.16	0	0	0	0.4
2001	242	23	949	365.722	-354.966	D	7.517	7.503	0.014	3.108	99.6	0.2	0	0	0	0.2
2001	243	23	933	366.169	-356.524	D	7.672	7.672	0	3.473	99.28	0.08	0	0	0	0.22
2001	244	23	933	366.169	-356.524	D	8.845	8.589	0.255	5.561	99.05	0.86	0	0	0	0.09
2001	245	23	934	366.01	-356.526	D	7.553	7.44	0.114	2.972	99.36	0.52	0	0	0	0.12
2001	246	23	996	360.121	-355.113	D	7.484	7.454	0.031	3.002	99.84	0.05	0	0	0	0.11
2001	247	23	1017	356.894	-355.206	D	6.85	6.826	0.024	1.708	99.47	0.07	0	0	0	0.46
2001	248	23	1017	356.894	-355.206	D	7.254	7.209	0.045	2.488	99.45	0.28	0	0	0	0.27
2001	249	23	1007	358.259	-354.768	D	8.957	8.956	0.001	6.452	99.74	0.08	0	0	0	0.09
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1017	356.894	-355.206	D	8.702	8.546	0.156	5.459	98.26	1.13	0	0	0	0.61
2001	253	23	930	366.19	-357.232	D	6.99	6.946	0.044	1.949	95.94	2.95	0	0	0	1.11
2001	254	23	1036	356.488	-356.993	D	6.704	6.7	0.004	1.456	98.88	0.24	0	0	0	0.87
2001	255	23	949	365.722	-354.966	D	6.851	6.84	0.011	1.735	99.25	0.32	0	0	0	0.44
2001	256	23	949	365.722	-354.966	D	6.962	6.926	0.036	1.909	99.49	0.24	0	0	0	0.27

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	257	23	996	360.121	-355.113	D	7.102	7.069	0.033	2.198	99.6	0.19	0	0	0	0.2
2001	258	23	821	358.053	-361.416	D	6.74	6.74	0	1.535	99.76	0.01	0	0	0	0.19
2001	259	23	1	356.546	-357.458	D	6.686	6.686	0	1.43	0	0	0	0	0	0
2001	260	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	8.862	8.862	0	6.222	0	0	0	0	0	0
2001	262	23	949	365.722	-354.966	D	8.354	8.103	0.251	4.43	90.58	8.89	0	0	0	0.53
2001	263	23	947	365.801	-355.162	D	7.046	7.045	0.001	2.149	95.49	3.49	0	0	0	0.89
2001	264	23	1017	356.894	-355.206	D	7.256	7.242	0.015	2.556	99.13	0.09	0	0	0	0.78
2001	265	23	1035	356.477	-356.792	D	7.024	6.945	0.079	1.947	99.02	0.53	0	0	0	0.46
2001	266	23	836	360.07	-362.066	D	7.749	7.616	0.133	3.35	98.75	1.05	0	0	0	0.2
2001	267	23	853	361.666	-362.175	D	7.573	7.568	0.006	3.246	97.32	2.53	0	0	0	0.14
2001	268	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	6.541	6.541	0	1.146	0	0	0	0	0	0
2001	270	23	967	363.478	-354.116	D	6.633	6.609	0.024	1.277	98.65	0.73	0	0	0	0.61
2001	271	23	955	364.92	-354.582	D	6.861	6.665	0.196	1.388	99.13	0.42	0	0	0	0.44
2001	272	23	822	358.021	-361.607	D	6.994	6.987	0.007	2.031	99.54	0.11	0	0	0	0.36
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.263	7.263	0	2.601	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	6.99	6.99	0	2.038	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	810	357.434	-360.005	D	8.984	8.915	0.069	6.351	96.58	3.37	0	0	0	0.05
2001	279	23	811	357.434	-360.225	D	7.259	7.256	0.003	2.585	87.15	11.09	0	0	0	1.73
2001	280	23	930	366.19	-357.232	D	6.568	6.55	0.018	1.163	96.86	2.16	0	0	0	0.98
2001	281	23	949	365.722	-354.966	D	6.66	6.653	0.007	1.365	97.98	1.39	0	0	0	0.63
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.229	10.218	0.012	9.779	96.88	3	0	0	0	0.11
2001	285	23	1017	356.894	-355.206	D	9.897	9.591	0.307	8.074	95.17	4.75	0	0	0	0.08
2001	286	23	1008	358.048	-354.775	D	9.88	9.874	0.006	8.83	99.16	0.78	0	0	0	0.07
2001	287	23	1	356.546	-357.458	D	6.998	6.998	0	2.054	0	0	0	0	0	0
2001	288	23	996	360.121	-355.113	D	6.953	6.945	0.008	1.947	88.54	11.35	0	0	0	0.1
2001	289	23	226	359.903	-360.306	D	7.325	7.204	0.121	2.477	90.66	9.09	0	0	0	0.25
2001	290	23	102	358.487	-356.374	D	6.542	6.492	0.05	1.051	87.62	10.22	0	0	0	2.16
2001	291	23	949	365.722	-354.966	D	6.566	6.559	0.007	1.18	98.41	1.09	0	0	0	0.5
2001	292	23	1008	358.048	-354.775	D	6.744	6.741	0.004	1.537	93.36	4.94	0	0	0	1.71
2001	293	23	966	363.538	-354.124	D	8.001	7.994	0.006	4.184	96.55	3.26	0	0	0	0.19
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	934	366.01	-356.526	D	9.625	9.577	0.048	8.039	94.11	5.48	0	0	0	0.4
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	78	358.239	-356.385	D	6.481	6.472	0.009	1.011	74.41	21.15	0	0	0	4.45
2001	301	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0
2001	302	23	1	356.546	-357.458	D	6.503	6.503	0	1.072	0	0	0	0	0	0
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	947	365.801	-355.162	D	9.284	9.195	0.089	7.05	92.89	7	0	0	0	0.11
2001	308	23	811	357.434	-360.225	D	6.673	6.667	0.006	1.392	98.3	1.34	0	0	0	0.35
2001	309	23	1017	356.894	-355.206	D	10.25	8.902	**1.348**	6.319	93.96	5.94	0	0	0	0.1
2001	310	23	811	357.434	-360.225	D	7.392	7.133	0.259	2.331	98.23	1.52	0	0	0	0.25
2001	311	23	997	359.928	-355.117	D	7.59	7.375	0.215	2.836	98.73	1.11	0	0	0	0.16
2001	312	23	933	366.169	-356.524	D	7.63	7.601	0.029	3.318	98.57	0.75	0	0	0	0.67
2001	313	23	10	356.954	-355.443	D	6.589	6.589	0	1.238	93.42	3.37	0	0	0	2.31
2001	314	23	1008	358.048	-354.775	D	6.664	6.664	0	1.385	91.53	6.61	0	0	0	1.89
2001	315	23	966	363.538	-354.124	D	6.799	6.729	0.07	1.514	92.97	5.5	0	0	0	1.53
2001	316	23	1039	356.522	-357.599	D	6.677	6.663	0.015	1.383	97.03	1.92	0	0	0	1.05
2001	317	23	1	356.546	-357.458	D	6.761	6.761	0	1.578	0	0	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.18	7.18	0	2.428	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	933	366.169	-356.524	D	7.851	7.795	0.056	3.742	60.46	38.71	0	0	0	0.83
2001	324	23	927	365.912	-357.454	D	6.547	6.474	0.073	1.016	68.03	26.52	0	0	0	5.45
2001	325	23	930	366.19	-357.232	D	6.474	6.47	0.004	1.008	87.35	10.48	0	0	0	2.17
2001	326	23	722	364.711	-356.599	D	6.517	6.517	0	1.099	82.9	2.5	0	0	0	1.11
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	907	365.051	-359.809	D	8.79	8.638	0.152	5.678	66.69	32.89	0	0	0	0.42
2001	333	23	1	356.546	-357.458	D	10.026	10.026	0	9.247	0	0	0	0	0	0
2001	334	23	710	364.843	-359.589	D	8.824	8.823	0	6.127	89.13	9.72	0	0	0	0.22

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	965	363.588	-354.142	D	9.616	9.609	0.008	8.12	72.7	26.85	0	0	0	0.45
2001	341	23	949	365.722	-354.966	D	7.952	7.938	0.015	4.058	90.35	9.36	0	0	0	0.27
2001	342	23	996	360.121	-355.113	D	8.161	7.99	0.171	4.174	91.55	7.81	0	0	0	0.63
2001	343	23	1039	356.522	-357.599	D	6.628	6.6	0.028	1.26	77.82	18.92	0	0	0	3.26
2001	344	23	1017	356.894	-355.206	D	6.52	6.512	0.008	1.09	86.37	12.3	0	0	0	1.34
2001	345	23	1008	358.048	-354.775	D	6.561	6.558	0.003	1.178	90.29	8.78	0	0	0	0.92
2001	346	23	1	356.546	-357.458	D	9.566	9.566	0	8.007	0	0	0	0	0	0
2001	347	23	949	365.722	-354.966	D	12.903	9.571	**3.332**	8.021	91.71	8.15	0	0	0	0.14
2001	348	23	822	358.021	-361.607	D	10.043	8.785	**1.258**	6.033	91.43	8.46	0	0	0	0.11
2001	349	23	949	365.722	-354.966	D	8.842	8.789	0.053	6.043	97.04	2.89	0	0	0	0.07
2001	350	23	949	365.722	-354.966	D	10.121	10.116	0.005	9.495	96.57	3.38	0	0	0	0.04
2001	351	23	1035	356.477	-356.792	D	10.041	9.409	**0.632**	7.599	89.89	9.95	0	0	0	0.16
2001	352	23	1	356.546	-357.458	D	6.564	6.564	0	1.19	0	0	0	0	0	0
2001	353	23	1039	356.522	-357.599	D	6.818	6.769	0.049	1.594	82.36	15.32	0	0	0	2.32
2001	354	23	845	360.851	-362.181	D	6.494	6.471	0.023	1.009	79.39	17.26	0	0	0	3.35
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	927	365.912	-357.454	D	6.569	6.5	0.069	1.065	62.3	32.81	0	0	0	4.89
2001	360	23	927	365.912	-357.454	D	6.604	6.533	0.071	1.131	60.61	35.26	0	0	0	4.13
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	822	358.021	-361.607	D	6.652	6.604	0.049	1.268	71.89	24.94	0	0	0	3.17
2001	364	23	927	365.912	-357.454	D	6.678	6.55	0.129	1.163	65.62	30.92	0	0	0	3.46
2001	365	23	931	366.183	-356.996	D	6.618	6.616	0.002	1.292	70.53	27.06	0	0	0	2.41
									3.332							
MARSHALL									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.162	7.162	0	2.39	0	0	0	0	0	0
2001	2	23	933	366.169	-356.524	D	7.286	7.27	0.016	2.615	82.35	17.01	0	0	0	0.64
2001	3	23	930	366.19	-357.232	D	8.579	8.576	0.003	5.529	85.6	14.09	0	0	0	0.33

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	933	366.169	-356.524	D	7.465	7.362	0.103	2.809	86.31	13.34	0	0	0	0.35
2001	8	23	1	356.546	-357.458	D	8.31	8.31	0	4.906	0	0	0	0	0	0
2001	9	23	103	358.476	-356.124	D	9.388	9.291	0.097	7.294	69.43	30.23	0	0	0	0.34
2001	10	23	1002	359.309	-354.73	D	7.381	7.368	0.013	2.82	80.83	18.89	0	0	0	0.28
2001	11	23	929	366.032	-357.239	D	8.855	8.855	0	6.204	84.11	13.61	0	0	0	0.53
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2001	17	23	1017	356.894	-355.206	D	6.904	6.762	0.142	1.58	73.7	25.12	0	0	0	1.18
2001	18	23	1017	356.894	-355.206	D	6.774	6.74	0.034	1.536	79.01	19.71	0	0	0	1.27
2001	19	23	930	366.19	-357.232	D	6.847	6.842	0.005	1.74	77.51	21.01	0	0	0	1.46
2001	20	23	1	356.546	-357.458	D	6.59	6.59	0	1.242	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	6.759	6.759	0	1.574	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	947	365.801	-355.162	D	6.771	6.769	0.002	1.593	59.63	37.77	0	0	0	2.62
2001	25	23	1041	356.936	-357.592	D	6.617	6.601	0.016	1.262	45.46	50.02	0	0	0	4.52
2001	26	23	1035	356.477	-356.792	D	6.526	6.526	0	1.117	67.93	30.72	0	0	0	1.6
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2001	28	23	931	366.183	-356.996	D	6.505	6.499	0.006	1.064	70	28.85	0	0	0	1.12
2001	29	23	1	356.546	-357.458	D	8.263	8.263	0	4.796	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	6.535	6.535	0	1.133	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	973	362.512	-354.246	D	6.489	6.489	0	1.044	83.35	12.81	0	0	0	3.85
2001	38	23	964	363.678	-354.148	D	6.687	6.684	0.002	1.426	74.1	24.01	0	0	0	1.86
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	996	360.121	-355.113	D	9.371	9.296	0.075	7.308	85.88	14.06	0	0	0	0.06
2001	41	23	949	365.722	-354.966	D	6.621	6.618	0.003	1.296	64.53	32.7	0	0	0	2.75
2001	42	23	1017	356.894	-355.206	D	6.477	6.47	0.007	1.008	66.17	31.91	0	0	0	1.9

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	43	23	15	357.659	-360.155	D	6.62	6.62	0	1.3	42.45	11.52	0	0	0	0.5
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1017	356.894	-355.206	D	10.379	10.197	0.182	9.721	86.42	13.45	0	0	0	0.13
2001	46	23	933	366.169	-356.524	D	9.443	7.477	**1.966**	3.052	89.2	10.59	0	0	0	0.21
2001	47	23	930	366.19	-357.232	D	6.712	6.625	0.087	1.31	82.84	16.01	0	0	0	1.15
2001	48	23	930	366.19	-357.232	D	6.563	6.519	0.044	1.103	50.07	46.68	0	0	0	3.25
2001	49	23	933	366.169	-356.524	D	6.489	6.471	0.017	1.011	72.09	26.16	0	0	0	1.76
2001	50	23	930	366.19	-357.232	D	6.486	6.482	0.004	1.031	83.12	16.17	0	0	0	0.69
2001	51	23	643	363.609	-354.151	D	7.205	7.205	0	2.48	93.79	6.79	0	0	0	1.02
2001	52	23	810	357.434	-360.005	D	6.745	6.729	0.016	1.514	84.68	14.83	0	0	0	0.48
2001	53	23	1017	356.894	-355.206	D	7.376	7.366	0.011	2.816	84.79	14.44	0	0	0	0.76
2001	54	23	986	360.908	-354.689	D	6.813	6.803	0.01	1.661	78.61	20.48	0	0	0	0.9
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	933	366.169	-356.524	D	6.502	6.502	0.001	1.069	90.03	7.58	0	0	0	2.46
2001	58	23	930	366.19	-357.232	D	6.538	6.532	0.006	1.128	85.75	13.17	0	0	0	1.08
2001	59	23	1035	356.477	-356.792	D	6.851	6.848	0.003	1.751	87.13	12.59	0	0	0	0.31
2001	60	23	1017	356.894	-355.206	D	6.612	6.611	0.001	1.281	89.69	9.65	0	0	0	0.55
2001	61	23	949	365.722	-354.966	D	7.944	7.93	0.014	4.04	88.41	11.42	0	0	0	0.16
2001	62	23	904	364.594	-359.819	D	6.694	6.694	0	1.445	93.72	4.9	0	0	0	0.38
2001	63	23	1017	356.894	-355.206	D	6.654	6.586	0.068	1.234	72.33	25.54	0	0	0	2.13
2001	64	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	65	23	773	365.4	-355.32	D	6.576	6.527	0.048	1.119	52.42	43.6	0	0	0	3.98
2001	66	23	947	365.801	-355.162	D	6.5	6.471	0.03	1.009	78.92	18.79	0	0	0	2.29
2001	67	23	949	365.722	-354.966	D	6.565	6.565	0	1.192	82.59	14.62	0	0	0	2.58
2001	68	23	1041	356.936	-357.592	D	6.522	6.503	0.019	1.072	49.27	46.14	0	0	0	4.58
2001	69	23	1019	356.891	-355.575	D	6.481	6.471	0.01	1.01	80.76	17.09	0	0	0	2.12
2001	70	23	643	363.609	-354.151	D	6.481	6.48	0	1.028	92.61	6.11	0	0	0	1.21
2001	71	23	997	359.928	-355.117	D	8.688	8.688	0	5.798	93.37	7.12	0	0	0	0.28
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	89.18	10.84	0	0	0	0.13
2001	75	23	997	359.928	-355.117	D	7.347	7.165	0.183	2.396	91.3	8.53	0	0	0	0.17
2001	76	23	949	365.722	-354.966	D	6.663	6.662	0.001	1.381	82.56	14.92	0	0	0	2.47
2001	77	23	1039	356.522	-357.599	D	6.518	6.5	0.018	1.067	81.94	16.15	0	0	0	1.91
2001	78	23	810	357.434	-360.005	D	6.472	6.472	0	1.012	89.94	7.84	0	0	0	1.38
2001	79	23	1	356.546	-357.458	D	6.484	6.484	0	1.035	90.34	8.72	0	0	0	1.11
2001	80	23	1035	356.477	-356.792	D	6.483	6.473	0.01	1.014	90.02	7.73	0	0	0	2.24
2001	81	23	1017	356.894	-355.206	D	6.504	6.492	0.012	1.05	93.9	4.62	0	0	0	1.49

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	82	23	1017	356.894	-355.206	D	6.713	6.712	0.002	1.48	93.51	5.83	0	0	0	0.64
2001	83	23	1017	356.894	-355.206	D	6.725	6.686	0.039	1.43	90.66	8.83	0	0	0	0.51
2001	84	23	906	364.982	-359.812	D	6.542	6.483	0.059	1.034	53.57	42.55	0	0	0	3.88
2001	85	23	933	366.169	-356.524	D	6.523	6.491	0.033	1.048	48.08	48.13	0	0	0	3.79
2001	86	23	930	366.19	-357.232	D	6.471	6.468	0.003	1.005	86.75	11.7	0	0	0	1.49
2001	87	23	941	365.977	-355.774	D	6.491	6.482	0.009	1.031	87.62	11.38	0	0	0	0.99
2001	88	23	1	356.546	-357.458	D	6.911	6.911	0	1.878	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.453	7.453	0	3	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	6.473	6.473	0	1.013	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	955	364.92	-354.582	D	8.428	8.405	0.023	5.126	94.08	5.27	0	0	0	0.65
2001	106	23	900	364.265	-360.243	D	6.502	6.492	0.01	1.051	74.33	20.06	0	0	0	5.62
2001	107	23	933	366.169	-356.524	D	6.483	6.477	0.006	1.022	79.95	17.99	0	0	0	2.07
2001	108	23	933	366.169	-356.524	D	6.498	6.48	0.018	1.028	81.38	16.41	0	0	0	2.2
2001	109	23	906	364.982	-359.812	D	6.54	6.54	0	1.143	99	1	0	0	0	0.61
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	949	365.722	-354.966	D	6.509	6.508	0.001	1.081	96.07	1.61	0	0	0	2.16
2001	115	23	930	366.19	-357.232	D	6.485	6.482	0.004	1.031	96.58	1.86	0	0	0	1.58
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	929	366.032	-357.239	D	6.841	6.841	0	1.738	95.87	0.5	0	0	0	0.42
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	8.162	8.162	0	4.564	0	0	0	0	0	0
2001	128	23	930	366.19	-357.232	D	6.51	6.506	0.003	1.079	95.59	2.37	0	0	0	2.04
2001	129	23	907	365.051	-359.809	D	6.641	6.633	0.008	1.326	98.63	0.65	0	0	0	0.72
2001	130	23	930	366.19	-357.232	D	6.845	6.841	0.004	1.737	99.41	0.23	0	0	0	0.37
2001	131	23	929	366.032	-357.239	D	7.424	7.424	0	2.94	83.26	0.03	0	0	0	0.28
2001	132	23	930	366.19	-357.232	D	8.671	8.583	0.088	5.547	72.94	26.75	0	0	0	0.31
2001	133	23	1039	356.522	-357.599	D	6.556	6.549	0.007	1.162	98.97	0.28	0	0	0	0.74
2001	134	23	933	366.169	-356.524	D	6.788	6.785	0.002	1.626	99.4	0.17	0	0	0	0.43
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1035	356.477	-356.792	D	8.034	8.015	0.019	4.231	95.41	4.42	0	0	0	0.17
2001	139	23	809	357.432	-359.845	D	8.916	8.652	0.264	5.713	96.33	3.49	0	0	0	0.18
2001	140	23	974	362.281	-354.249	D	7.567	7.544	0.023	3.196	98.15	0.93	0	0	0	0.92
2001	141	23	84	358.173	-354.889	D	8.617	8.617	0	5.629	85.74	0.28	0	0	0	0.13
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	947	365.801	-355.162	D	6.975	6.974	0.001	2.005	98.76	0.11	0	0	0	1.04
2001	149	23	930	366.19	-357.232	D	6.893	6.849	0.045	1.753	98.93	0.61	0	0	0	0.46
2001	150	23	949	365.722	-354.966	D	8.561	8.54	0.02	5.445	98.7	1.09	0	0	0	0.21
2001	151	23	1008	358.048	-354.775	D	8.861	8.828	0.033	6.138	97.43	2.33	0	0	0	0.24
2001	152	23	930	366.19	-357.232	D	6.937	6.935	0.001	1.927	99.44	0.41	0	0	0	0.19
2001	153	23	1	356.546	-357.458	D	7.018	7.018	0	2.095	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.181	7.181	0	2.429	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	8.898	8.898	0	6.309	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	967	363.478	-354.116	D	7.549	7.492	0.057	3.084	99.18	0.38	0	0	0	0.44
2001	159	23	1039	356.522	-357.599	D	7.235	7.106	0.129	2.275	98.97	0.76	0	0	0	0.27

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	160	23	1035	356.477	-356.792	D	7.427	7.332	0.095	2.745	98.97	0.73	0	0	0	0.31
2001	161	23	1017	356.894	-355.206	D	7.13	7.047	0.083	2.153	99.47	0.27	0	0	0	0.26
2001	162	23	949	365.722	-354.966	D	7.169	7.161	0.007	2.389	99.79	0.07	0	0	0	0.13
2001	163	23	930	366.19	-357.232	D	6.949	6.949	0	1.955	99.73	0.03	0	0	0	0.12
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	6.563	6.563	0	1.189	0	0	0	0	0	0
2001	169	23	931	366.183	-356.996	D	6.669	6.668	0.001	1.394	99.14	0.04	0	0	0	0.6
2001	170	23	642	363.62	-354.4	D	6.956	6.956	0	1.969	95.39	0.02	0	0	0	0.41
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1017	356.894	-355.206	D	7.836	7.742	0.095	3.625	98.03	1.76	0	0	0	0.21
2001	173	23	907	365.051	-359.809	D	6.798	6.772	0.027	1.599	94.9	3.05	0	0	0	2.05
2001	174	23	783	365.659	-355.558	D	6.644	6.64	0.005	1.338	97.18	1.13	0	0	0	1.66
2001	175	23	786	365.973	-357.042	D	6.671	6.668	0.003	1.394	98.89	0.22	0	0	0	0.81
2001	176	23	927	365.912	-357.454	D	7.107	7.104	0.003	2.271	99.53	0.18	0	0	0	0.29
2001	177	23	1017	356.894	-355.206	D	6.937	6.935	0.002	1.926	99.46	0.17	0	0	0	0.28
2001	178	23	10	356.954	-355.443	D	7.075	7.074	0.001	2.209	99.68	0.14	0	0	0	0.22
2001	179	23	785	365.637	-355.06	D	8.965	8.963	0.001	6.471	99.23	0.54	0	0	0	0.06
2001	180	23	455	361.646	-354.736	D	8.433	8.433	0	5.191	99.76	0.07	0	0	0	0.11
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	8.556	8.52	0.036	5.397	99.18	0.65	0	0	0	0.17
2001	183	23	1017	356.894	-355.206	D	7.58	7.425	0.155	2.942	98.22	1.49	0	0	0	0.29
2001	184	23	933	366.169	-356.524	D	8.798	8.781	0.017	6.023	99.86	0.08	0	0	0	0.06
2001	185	23	774	365.389	-355.071	D	7.041	7.041	0	2.143	98.81	0.04	0	0	0	0.26
2001	186	23	955	364.92	-354.582	D	7.065	7.063	0.002	2.186	99.02	0.06	0	0	0	0.94
2001	187	23	900	364.265	-360.243	D	7.002	6.957	0.046	1.97	99.42	0.14	0	0	0	0.44
2001	188	23	786	365.973	-357.042	D	7.766	7.748	0.018	3.637	99.82	0.05	0	0	0	0.14
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.153	7.115	0.039	2.293	98.62	0.96	0	0	0	0.42
2001	192	23	974	362.281	-354.249	D	7.361	7.053	0.307	2.167	99.18	0.45	0	0	0	0.37
2001	193	23	227	359.892	-360.057	D	7.55	7.437	0.113	2.967	99.3	0.53	0	0	0	0.17
2001	194	23	227	359.892	-360.057	D	7.876	7.801	0.075	3.754	99.46	0.44	0	0	0	0.1
2001	195	23	811	357.434	-360.225	D	6.604	6.601	0.003	1.263	99.67	0.03	0	0	0	0.29
2001	196	23	1039	356.522	-357.599	D	6.705	6.705	0	1.466	93.54	0.02	0	0	0	0.3
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.402	7.402	0	2.893	0	0	0	0	0	0
2001	202	23	786	365.973	-357.042	D	6.968	6.967	0.001	1.991	99.5	0.03	0	0	0	0.5
2001	203	23	933	366.169	-356.524	D	7.375	7.367	0.007	2.819	99.17	0.65	0	0	0	0.17
2001	204	23	929	366.032	-357.239	D	7.741	7.741	0	3.622	96.65	0.28	0	0	0	0.11
2001	205	23	1	356.546	-357.458	D	7.753	7.753	0	3.65	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	8.069	8.069	0	4.353	0	0	0	0	0	0
2001	207	23	964	363.678	-354.148	D	8.791	8.765	0.027	5.983	99.63	0.17	0	0	0	0.18
2001	208	23	967	363.478	-354.116	D	9.006	8.924	0.082	6.374	99.09	0.84	0	0	0	0.07
2001	209	23	933	366.169	-356.524	D	8.306	8.286	0.02	4.85	99.09	0.83	0	0	0	0.08
2001	210	23	949	365.722	-354.966	D	8.895	8.866	0.029	6.231	99.51	0.42	0	0	0	0.07
2001	211	23	933	366.169	-356.524	D	7.739	7.702	0.037	3.538	99.7	0.17	0	0	0	0.12
2001	212	23	933	366.169	-356.524	D	9.441	9.344	0.097	7.431	99.9	0.05	0	0	0	0.05
2001	213	23	933	366.169	-356.524	D	9.123	9.115	0.008	6.849	99.91	0.03	0	0	0	0.05
2001	214	23	933	366.169	-356.524	D	7.894	7.893	0.001	3.959	99.81	0.06	0	0	0	0.08
2001	215	23	294	360.245	-356.795	D	6.915	6.915	0	1.885	95	0.03	0	0	0	0.19
2001	216	23	996	360.121	-355.113	D	7.274	7.034	0.24	2.127	99.15	0.48	0	0	0	0.36
2001	217	23	822	358.021	-361.607	D	7.002	6.996	0.007	2.049	99.52	0.09	0	0	0	0.39
2001	218	23	1037	356.5	-357.195	D	7.068	7.068	0	2.197	98.85	0.01	0	0	0	0.37
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	809	357.432	-359.845	D	8.482	8.294	0.189	4.868	99.06	0.36	0	0	0	0.58
2001	223	23	853	361.666	-362.175	D	9.218	8.646	**0.571**	5.699	96.42	3.48	0	0	0	0.11
2001	224	23	1035	356.477	-356.792	D	7.038	6.948	0.091	1.952	98.93	0.38	0	0	0	0.69
2001	225	23	809	357.432	-359.845	D	7.161	7.146	0.015	2.356	98.74	0.77	0	0	0	0.49
2001	226	23	1	356.546	-357.458	D	6.843	6.843	0	1.74	0	0	0	0	0	0
2001	227	23	1	356.546	-357.458	D	6.725	6.725	0	1.506	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.815	7.815	0	3.785	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	931	366.183	-356.996	D	6.889	6.889	0	1.833	89.4	5.51	0	0	0	5.43
2001	232	23	949	365.722	-354.966	D	6.791	6.732	0.058	1.521	98.71	0.56	0	0	0	0.74
2001	233	23	947	365.801	-355.162	D	7.219	7.214	0.005	2.499	99.54	0.11	0	0	0	0.34
2001	234	23	170	359.385	-359.829	D	7.053	7.053	0	2.167	78.13	0.02	0	0	0	0.45
2001	235	23	191	359.732	-362.061	D	6.912	6.912	0	1.881	88.05	0.05	0	0	0	0.31
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	238	23	967	363.478	-354.116	D	8.31	8.259	0.051	4.788	92.24	7.15	0	0	0	0.61
2001	239	23	809	357.432	-359.845	D	7.549	7.264	0.285	2.603	98.6	1.07	0	0	0	0.34
2001	240	23	836	360.07	-362.066	D	7.215	7.113	0.102	2.289	99.34	0.35	0	0	0	0.3
2001	241	23	811	357.434	-360.225	D	6.942	6.878	0.064	1.812	99.43	0.22	0	0	0	0.35
2001	242	23	227	359.892	-360.057	D	7.653	7.591	0.062	3.296	98.89	0.96	0	0	0	0.15
2001	243	23	901	364.256	-360.039	D	7.784	7.779	0.005	3.706	99.3	0.55	0	0	0	0.15
2001	244	23	986	360.908	-354.689	D	8.47	8.4	0.07	5.115	98.44	1.41	0	0	0	0.15
2001	245	23	996	360.121	-355.113	D	7.453	7.426	0.027	2.943	98.62	1.19	0	0	0	0.19
2001	246	23	1017	356.894	-355.206	D	7.446	7.436	0.01	2.965	99.66	0.17	0	0	0	0.18
2001	247	23	1008	358.048	-354.775	D	6.842	6.826	0.015	1.708	99.54	0.14	0	0	0	0.33
2001	248	23	967	363.478	-354.116	D	7.23	7.197	0.033	2.463	99.22	0.49	0	0	0	0.29
2001	249	23	967	363.478	-354.116	D	8.963	8.946	0.016	6.429	99.78	0.12	0	0	0	0.09
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	8.546	8.546	0	5.459	0	0	0	0	0	0
2001	253	23	907	365.051	-359.809	D	6.953	6.952	0.001	1.961	97.87	0.35	0	0	0	1.7
2001	254	23	1016	357.1	-355.198	D	6.703	6.7	0.003	1.456	98.07	1	0	0	0	0.95
2001	255	23	949	365.722	-354.966	D	6.855	6.84	0.015	1.735	98.52	0.95	0	0	0	0.54
2001	256	23	949	365.722	-354.966	D	6.961	6.926	0.035	1.909	99.24	0.38	0	0	0	0.38
2001	257	23	967	363.478	-354.116	D	7.118	7.069	0.049	2.198	98.92	0.79	0	0	0	0.29
2001	258	23	810	357.434	-360.005	D	6.745	6.74	0.005	1.535	99.47	0.15	0	0	0	0.35
2001	259	23	10	356.954	-355.443	D	6.687	6.686	0	1.43	98.66	0.54	0	0	0	0.38
2001	260	23	929	366.032	-357.239	D	6.904	6.904	0	1.863	80.23	0.31	0	0	0	0.31
2001	261	23	1	356.546	-357.458	D	8.862	8.862	0	6.222	0	0	0	0	0	0
2001	262	23	1008	358.048	-354.775	D	8.503	8.123	0.38	4.476	93.21	6.72	0	0	0	0.08
2001	263	23	644	364.12	-360.12	D	7.015	7.015	0	2.089	91.97	0.09	0	0	0	0.34
2001	264	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	265	23	907	365.051	-359.809	D	6.977	6.947	0.029	1.951	91.36	7.14	0	0	0	1.5
2001	266	23	907	365.051	-359.809	D	7.717	7.681	0.036	3.491	98.22	1.46	0	0	0	0.32
2001	267	23	929	366.032	-357.239	D	7.743	7.662	0.081	3.449	81.01	18.43	0	0	0	0.56
2001	268	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2001	269	23	1017	356.894	-355.206	D	6.629	6.541	0.087	1.146	94.02	4.7	0	0	0	1.28
2001	270	23	947	365.801	-355.162	D	6.748	6.609	0.139	1.277	97.78	1.44	0	0	0	0.78
2001	271	23	219	359.98	-362.05	D	6.78	6.678	0.102	1.413	98.37	0.95	0	0	0	0.68
2001	272	23	822	358.021	-361.607	D	6.993	6.987	0.006	2.031	99.18	0.34	0	0	0	0.48
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.267	7.263	0.004	2.601	97.57	1.91	0	0	0	0.53
2001	275	23	949	365.722	-354.966	D	7.004	7.001	0.002	2.061	98.82	0.83	0	0	0	0.3
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	1035	356.477	-356.792	D	8.935	8.902	0.033	6.32	90.63	9.21	0	0	0	0.16
2001	279	23	901	364.256	-360.039	D	7.266	7.251	0.015	2.575	68.25	30.43	0	0	0	1.31
2001	280	23	930	366.19	-357.232	D	6.553	6.55	0.003	1.163	96.82	1.78	0	0	0	1.38
2001	281	23	947	365.801	-355.162	D	6.661	6.653	0.008	1.365	94.94	4.28	0	0	0	0.78
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.245	10.218	0.027	9.779	90.79	9.06	0	0	0	0.14
2001	285	23	1017	356.894	-355.206	D	10.134	9.591	**0.543**	8.074	86.72	13.16	0	0	0	0.11
2001	286	23	996	360.121	-355.113	D	9.935	9.909	0.026	8.926	97.59	2.29	0	0	0	0.11
2001	287	23	932	366.176	-356.761	D	7.167	7.144	0.023	2.354	93.9	5.96	0	0	0	0.14
2001	288	23	1	356.546	-357.458	D	6.921	6.921	0	1.899	0	0	0	0	0	0
2001	289	23	1039	356.522	-357.599	D	7.331	7.189	0.142	2.446	85.39	14.41	0	0	0	0.2
2001	290	23	932	366.176	-356.761	D	6.493	6.492	0.001	1.05	82.56	14.87	0	0	0	2.46
2001	291	23	930	366.19	-357.232	D	6.561	6.559	0.002	1.18	94.92	4.48	0	0	0	0.6
2001	292	23	1	356.546	-357.458	D	6.741	6.741	0	1.537	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.888	7.888	0	3.946	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	9.504	9.504	0	7.846	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	990	360.933	-355.487	D	6.516	6.472	0.045	1.012	67.57	27.99	0	0	0	4.43
2001	301	23	1017	356.894	-355.206	D	6.509	6.481	0.028	1.03	85.5	12.68	0	0	0	1.82
2001	302	23	1002	359.309	-354.73	D	6.503	6.503	0	1.072	86.11	1.53	0	0	0	0.46
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	949	365.722	-354.966	D	9.348	9.195	0.154	7.05	84.87	15.01	0	0	0	0.12
2001	308	23	1008	358.048	-354.775	D	6.67	6.66	0.01	1.378	97.01	2.39	0	0	0	0.6
2001	309	23	949	365.722	-354.966	D	9.677	8.864	**0.813**	6.227	91.41	8.44	0	0	0	0.15
2001	310	23	822	358.021	-361.607	D	7.313	7.133	0.18	2.331	96.25	3.46	0	0	0	0.29
2001	311	23	928	365.945	-357.303	D	7.432	7.349	0.083	2.78	98.23	1.55	0	0	0	0.22
2001	312	23	949	365.722	-354.966	D	7.546	7.529	0.017	3.163	95.83	2.34	0	0	0	1.83
2001	313	23	1039	356.522	-357.599	D	6.6	6.589	0.011	1.238	82.23	14.79	0	0	0	2.97
2001	314	23	907	365.051	-359.809	D	6.67	6.665	0.005	1.388	91.81	6.32	0	0	0	1.88
2001	315	23	955	364.92	-354.582	D	6.769	6.729	0.04	1.514	83.45	14.08	0	0	0	2.47

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	316	23	1039	356.522	-357.599	D	6.671	6.663	0.008	1.383	93.83	4.58	0	0	0	1.58
2001	317	23	1016	357.1	-355.198	D	6.761	6.761	0	1.578	96.15	1.04	0	0	0	0.95
2001	318	23	1	356.546	-357.458	D	7.18	7.18	0	2.428	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.828	7.828	0	3.814	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	6.474	6.474	0	1.017	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	326	23	413	361.618	-359.731	D	6.517	6.517	0	1.099	77.61	6.27	0	0	0	1.65
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	836	360.07	-362.066	D	8.81	8.7	0.11	5.828	56.73	42.59	0	0	0	0.68
2001	333	23	1035	356.477	-356.792	D	10.027	10.026	0.001	9.247	77.39	22.5	0	0	0	0.13
2001	334	23	809	357.432	-359.845	D	9.21	8.823	0.387	6.126	79.6	20.19	0	0	0	0.21
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	949	365.722	-354.966	D	7.939	7.938	0.001	4.058	90	9.49	0	0	0	0.47
2001	342	23	934	366.01	-356.526	D	8.227	8.094	0.133	4.409	83.01	16.55	0	0	0	0.44
2001	343	23	931	366.183	-356.996	D	6.61	6.598	0.012	1.257	52.53	43.57	0	0	0	3.91
2001	344	23	930	366.19	-357.232	D	6.522	6.513	0.01	1.091	69.76	28.13	0	0	0	2.09
2001	345	23	930	366.19	-357.232	D	6.561	6.557	0.003	1.178	79.87	18.93	0	0	0	1.17
2001	346	23	1	356.546	-357.458	D	9.566	9.566	0	8.007	0	0	0	0	0	0
2001	347	23	949	365.722	-354.966	D	9.655	9.571	0.084	8.021	89.91	9.9	0	0	0	0.18
2001	348	23	933	366.169	-356.524	D	9.275	8.856	0.419	6.206	88.88	11.03	0	0	0	0.09
2001	349	23	941	365.977	-355.774	D	8.797	8.789	0.008	6.043	95.36	4.51	0	0	0	0.12
2001	350	23	949	365.722	-354.966	D	10.14	10.116	0.024	9.495	93.57	6.37	0	0	0	0.05
2001	351	23	1002	359.309	-354.73	D	9.754	9.409	0.345	7.599	73.92	25.84	0	0	0	0.24
2001	352	23	929	366.032	-357.239	D	6.578	6.578	0	1.217	87.27	3.5	0	0	0	0.13
2001	353	23	933	366.169	-356.524	D	6.782	6.763	0.019	1.581	52.17	44.46	0	0	0	3.37
2001	354	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	6.533	6.533	0	1.131	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	929	366.032	-357.239	D	6.609	6.609	0	1.277	40.49	40.91	0	0	0	2.67
2001	364	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	6.616	6.616	0	1.292	0	0	0	0	0	0
									1.966							
COLUMBIA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.162	7.162	0	2.39	0	0	0	0	0	0
2001	2	23	932	366.176	-356.761	D	7.271	7.27	0.001	2.615	66.88	33.14	0	0	0	0
2001	3	23	930	366.19	-357.232	D	8.576	8.576	0	5.529	70.7	29.59	0	0	0	0
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.4	7.4	0	2.888	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	8.31	8.31	0	4.906	0	0	0	0	0	0
2001	9	23	927	365.912	-357.454	D	9.234	9.216	0.017	7.105	47.42	52.58	0	0	0	0
2001	10	23	941	365.977	-355.774	D	7.34	7.328	0.012	2.736	57.68	42.3	0	0	0	0
2001	11	23	643	363.609	-354.151	D	8.857	8.856	0	6.207	65.83	33.96	0	0	0	0
2001	12	23	730	364.623	-354.605	D	10.218	10.218	0	9.779	67.47	24.6	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2001	17	23	78	358.239	-356.385	D	6.869	6.762	0.107	1.58	49.32	50.68	0	0	0	0
2001	18	23	1017	356.894	-355.206	D	6.796	6.74	0.056	1.536	62.57	37.43	0	0	0	0
2001	19	23	907	365.051	-359.809	D	6.874	6.873	0.001	1.802	76.35	23.59	0	0	0	0
2001	20	23	1	356.546	-357.458	D	6.59	6.59	0	1.242	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	6.759	6.759	0	1.574	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	24	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	0	0	0	0	0	0
2001	25	23	930	366.19	-357.232	D	6.626	6.607	0.019	1.274	32.94	67.05	0	0	0	0
2001	26	23	1035	356.477	-356.792	D	6.527	6.526	0.001	1.117	49.64	50.44	0	0	0	0
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2001	28	23	930	366.19	-357.232	D	6.502	6.499	0.003	1.064	59.53	40.5	0	0	0	0
2001	29	23	15	357.659	-360.155	D	8.236	8.236	0	4.735	5.84	3.04	0	0	0	0
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	6.535	6.535	0	1.133	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	38	23	966	363.538	-354.124	D	6.685	6.684	0	1.426	64.87	34.93	0	0	0	0
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	967	363.478	-354.116	D	9.299	9.296	0.003	7.308	71.99	27.94	0	0	0	0
2001	41	23	949	365.722	-354.966	D	6.618	6.618	0	1.296	53.24	42.95	0	0	0	0
2001	42	23	955	364.92	-354.582	D	6.476	6.47	0.006	1.008	54.49	45.53	0	0	0	0
2001	43	23	62	357.925	-354.901	D	6.623	6.623	0	1.305	64.85	34.31	0	0	0	0
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	967	363.478	-354.116	D	10.202	10.176	0.026	9.662	77.28	22.72	0	0	0	0
2001	46	23	933	366.169	-356.524	D	7.736	7.477	0.259	3.052	80.7	19.3	0	0	0	0
2001	47	23	907	365.051	-359.809	D	6.63	6.627	0.004	1.312	85.01	14.97	0	0	0	0
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	930	366.19	-357.232	D	6.472	6.471	0	1.011	75.71	24.37	0	0	0	0
2001	50	23	930	366.19	-357.232	D	6.482	6.482	0	1.031	76.59	22.98	0	0	0	0
2001	51	23	1017	356.894	-355.206	D	7.23	7.229	0	2.53	88.81	11.16	0	0	0	0
2001	52	23	810	357.434	-360.005	D	6.73	6.729	0.001	1.514	73.56	26.4	0	0	0	0
2001	53	23	809	357.432	-359.845	D	7.371	7.366	0.006	2.816	73.04	26.93	0	0	0	0
2001	54	23	955	364.92	-354.582	D	6.813	6.803	0.011	1.661	65.96	34.05	0	0	0	0
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	930	366.19	-357.232	D	6.502	6.502	0	1.069	89.47	12.26	0	0	0	0
2001	58	23	930	366.19	-357.232	D	6.535	6.532	0.003	1.128	75.34	24.64	0	0	0	0
2001	59	23	1035	356.477	-356.792	D	6.85	6.848	0.002	1.751	75.11	24.85	0	0	0	0
2001	60	23	1017	356.894	-355.206	D	6.611	6.611	0.001	1.281	81.66	18.29	0	0	0	0
2001	61	23	947	365.801	-355.162	D	7.936	7.93	0.006	4.04	80.7	19.28	0	0	0	0
2001	62	23	521	362.869	-359.925	D	6.694	6.694	0	1.445	87.26	7.93	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	63	23	102	358.487	-356.374	D	6.648	6.586	0.061	1.234	54.65	45.35	0	0	0	0
2001	64	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	6.471	6.471	0	1.009	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	6.565	6.565	0	1.193	0	0	0	0	0	0
2001	68	23	930	366.19	-357.232	D	6.508	6.504	0.004	1.074	49.47	50.48	0	0	0	0
2001	69	23	930	366.19	-357.232	D	6.473	6.472	0.002	1.011	75.33	24.64	0	0	0	0
2001	70	23	774	365.389	-355.071	D	6.481	6.48	0	1.028	85.05	14.79	0	0	0	0
2001	71	23	134	358.68	-355.117	D	8.688	8.688	0	5.798	86.18	12.56	0	0	0	0
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	10	356.954	-355.443	D	9.86	9.86	0	8.793	74.96	18.23	0	0	0	0
2001	75	23	933	366.169	-356.524	D	7.457	7.209	0.248	2.488	83.19	16.81	0	0	0	0
2001	76	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2001	77	23	930	366.19	-357.232	D	6.517	6.503	0.013	1.073	59.68	40.32	0	0	0	0
2001	78	23	1	356.546	-357.458	D	6.472	6.472	0	1.012	82.39	20.33	0	0	0	0
2001	79	23	1035	356.477	-356.792	D	6.485	6.484	0.001	1.035	69.91	30.02	0	0	0	0
2001	80	23	1038	356.511	-357.396	D	6.486	6.473	0.013	1.014	66.03	33.96	0	0	0	0
2001	81	23	930	366.19	-357.232	D	6.502	6.493	0.009	1.052	89.35	10.64	0	0	0	0
2001	82	23	930	366.19	-357.232	D	6.76	6.75	0.01	1.556	89.05	10.95	0	0	0	0
2001	83	23	1037	356.5	-357.195	D	6.721	6.686	0.034	1.43	65.19	34.8	0	0	0	0
2001	84	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	6.491	6.491	0	1.048	0	0	0	0	0	0
2001	86	23	30	357.896	-359.895	D	6.468	6.468	0	1.005	27	2.09	0	0	0	0
2001	87	23	930	366.19	-357.232	D	6.485	6.481	0.004	1.03	80.14	19.84	0	0	0	0
2001	88	23	1	356.546	-357.458	D	6.911	6.911	0	1.878	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.453	7.453	0	3	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	6.473	6.473	0	1.013	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	8.407	8.405	0.003	5.126	94.29	5.69	0	0	0	0
2001	106	23	748	365.295	-358.57	D	6.49	6.49	0	1.047	95.28	0.69	0	0	0	0
2001	107	23	1	356.546	-357.458	D	6.477	6.477	0	1.021	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	6.479	6.479	0	1.026	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	6.54	6.54	0	1.144	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	6.507	6.507	0	1.08	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	6.482	6.482	0	1.03	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	929	366.032	-357.239	D	6.841	6.841	0	1.738	43.42	0.63	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	8.162	8.162	0	4.564	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	6.506	6.506	0	1.078	0	0	0	0	0	0
2001	129	23	907	365.051	-359.809	D	6.633	6.633	0	1.326	98.27	1.4	0	0	0	0
2001	130	23	906	364.982	-359.812	D	6.838	6.838	0	1.731	99.56	0.51	0	0	0	0
2001	131	23	929	366.032	-357.239	D	7.424	7.424	0	2.94	75.08	0.05	0	0	0	0
2001	132	23	773	365.4	-355.32	D	8.638	8.603	0.035	5.595	63.52	36.48	0	0	0	0
2001	133	23	955	364.92	-354.582	D	6.587	6.55	0.037	1.163	98.19	1.81	0	0	0	0
2001	134	23	932	366.176	-356.761	D	6.787	6.785	0.002	1.626	99.54	0.38	0	0	0	0
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1017	356.894	-355.206	D	8.037	8.015	0.022	4.231	87.45	12.55	0	0	0	0
2001	139	23	949	365.722	-354.966	D	8.995	8.695	0.299	5.816	85.45	14.55	0	0	0	0
2001	140	23	949	365.722	-354.966	D	7.553	7.544	0.009	3.196	99.33	0.68	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	141	23	1	356.546	-357.458	D	8.617	8.617	0	5.629	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	725	364.678	-355.851	D	6.974	6.974	0	2.005	92.73	0.21	0	0	0	0
2001	149	23	930	366.19	-357.232	D	6.86	6.849	0.011	1.753	98.71	1.29	0	0	0	0
2001	150	23	949	365.722	-354.966	D	8.543	8.54	0.002	5.445	98.6	1.29	0	0	0	0
2001	151	23	1017	356.894	-355.206	D	8.848	8.828	0.02	6.138	97.87	2.12	0	0	0	0
2001	152	23	930	366.19	-357.232	D	6.941	6.935	0.006	1.927	98.88	1.12	0	0	0	0
2001	153	23	1	356.546	-357.458	D	7.018	7.018	0	2.095	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.181	7.181	0	2.429	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	8.898	8.898	0	6.309	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.509	7.492	0.017	3.084	99.59	0.41	0	0	0	0
2001	159	23	1017	356.894	-355.206	D	7.229	7.106	0.123	2.275	97.42	2.58	0	0	0	0
2001	160	23	1017	356.894	-355.206	D	7.384	7.332	0.052	2.745	98.89	1.11	0	0	0	0
2001	161	23	1017	356.894	-355.206	D	7.08	7.047	0.033	2.153	99.58	0.42	0	0	0	0
2001	162	23	949	365.722	-354.966	D	7.164	7.161	0.003	2.389	99.84	0.13	0	0	0	0
2001	163	23	932	366.176	-356.761	D	6.949	6.949	0	1.955	100.44	0.04	0	0	0	0
2001	164	23	1	356.546	-357.458	D	6.969	6.969	0	1.995	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	6.563	6.563	0	1.189	0	0	0	0	0	0
2001	169	23	930	366.19	-357.232	D	6.669	6.668	0.001	1.394	99.84	0.09	0	0	0	0
2001	170	23	455	361.646	-354.736	D	6.956	6.956	0	1.969	91.74	0.04	0	0	0	0
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	1008	358.048	-354.775	D	7.798	7.742	0.056	3.625	95.66	4.34	0	0	0	0
2001	173	23	907	365.051	-359.809	D	6.772	6.772	0	1.599	99.13	0.71	0	0	0	0
2001	174	23	949	365.722	-354.966	D	6.641	6.64	0.001	1.338	99.64	0.28	0	0	0	0
2001	175	23	941	365.977	-355.774	D	6.675	6.668	0.007	1.394	99.51	0.47	0	0	0	0
2001	176	23	947	365.801	-355.162	D	7.119	7.104	0.015	2.271	99.6	0.41	0	0	0	0
2001	177	23	967	363.478	-354.116	D	6.945	6.935	0.01	1.927	99.7	0.29	0	0	0	0
2001	178	23	1017	356.894	-355.206	D	7.078	7.074	0.004	2.209	99.7	0.33	0	0	0	0
2001	179	23	643	363.609	-354.151	D	8.969	8.963	0.006	6.471	99.09	0.9	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	180	23	967	363.478	-354.116	D	8.433	8.433	0	5.191	99.36	0.27	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	8.599	8.52	0.079	5.397	96.75	3.24	0	0	0	0
2001	183	23	933	366.169	-356.524	D	7.786	7.569	0.217	3.248	94.49	5.51	0	0	0	0
2001	184	23	933	366.169	-356.524	D	8.812	8.781	0.031	6.023	99.79	0.2	0	0	0	0
2001	185	23	595	363.624	-360.142	D	7.024	7.024	0	2.106	96.06	0.06	0	0	0	0
2001	186	23	1	356.546	-357.458	D	7.048	7.048	0	2.156	0	0	0	0	0	0
2001	187	23	949	365.722	-354.966	D	7.006	6.95	0.057	1.956	99.67	0.32	0	0	0	0
2001	188	23	941	365.977	-355.774	D	7.751	7.748	0.004	3.637	99.95	0.11	0	0	0	0
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	933	366.169	-356.524	D	7.093	7.093	0	2.248	94.62	0.17	0	0	0	0
2001	192	23	930	366.19	-357.232	D	7.101	7.056	0.045	2.172	98.62	1.38	0	0	0	0
2001	193	23	219	359.98	-362.05	D	7.521	7.437	0.083	2.967	99.3	0.7	0	0	0	0
2001	194	23	900	364.265	-360.243	D	7.838	7.763	0.075	3.671	97.79	2.21	0	0	0	0
2001	195	23	822	358.021	-361.607	D	6.602	6.601	0.001	1.263	99.92	0.06	0	0	0	0
2001	196	23	1	356.546	-357.458	D	6.705	6.705	0	1.466	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	784	365.648	-355.309	D	7.413	7.413	0	2.915	98.86	0.07	0	0	0	0
2001	202	23	932	366.176	-356.761	D	7.05	7.045	0.005	2.15	99.09	0.89	0	0	0	0
2001	203	23	930	366.19	-357.232	D	7.385	7.367	0.018	2.819	99.53	0.46	0	0	0	0
2001	204	23	930	366.19	-357.232	D	7.756	7.741	0.015	3.622	99.63	0.35	0	0	0	0
2001	205	23	930	366.19	-357.232	D	7.861	7.854	0.007	3.871	99.83	0.14	0	0	0	0
2001	206	23	932	366.176	-356.761	D	8.134	8.129	0.005	4.489	99.36	0.6	0	0	0	0
2001	207	23	933	366.169	-356.524	D	8.776	8.77	0.006	5.997	99.65	0.38	0	0	0	0
2001	208	23	949	365.722	-354.966	D	9.122	8.924	0.198	6.374	97.26	2.74	0	0	0	0
2001	209	23	933	366.169	-356.524	D	8.362	8.286	0.076	4.85	97.32	2.68	0	0	0	0
2001	210	23	949	365.722	-354.966	D	8.878	8.866	0.012	6.231	99.15	0.85	0	0	0	0
2001	211	23	933	366.169	-356.524	D	7.718	7.702	0.015	3.538	99.72	0.27	0	0	0	0
2001	212	23	933	366.169	-356.524	D	9.385	9.344	0.041	7.431	99.9	0.09	0	0	0	0
2001	213	23	933	366.169	-356.524	D	9.125	9.115	0.01	6.849	99.82	0.15	0	0	0	0
2001	214	23	933	366.169	-356.524	D	7.894	7.893	0	3.959	99.63	0.12	0	0	0	0
2001	215	23	188	359.187	-355.344	D	6.91	6.91	0	1.877	66.63	0.02	0	0	0	0
2001	216	23	933	366.169	-356.524	D	7.079	7.058	0.021	2.177	98.02	1.98	0	0	0	0
2001	217	23	1036	356.488	-356.993	D	7.001	6.999	0.002	2.056	99.49	0.31	0	0	0	0
2001	218	23	1	356.546	-357.458	D	7.068	7.068	0	2.197	98.12	0.02	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	949	365.722	-354.966	D	8.308	8.292	0.016	4.864	99.51	0.49	0	0	0	0
2001	223	23	933	366.169	-356.524	D	9.034	8.635	0.398	5.672	96.57	3.43	0	0	0	0
2001	224	23	929	366.032	-357.239	D	7.143	7.018	0.125	2.095	99.14	0.86	0	0	0	0
2001	225	23	1017	356.894	-355.206	D	7.201	7.146	0.056	2.356	97.41	2.59	0	0	0	0
2001	226	23	907	365.051	-359.809	D	6.911	6.855	0.055	1.766	97.73	2.27	0	0	0	0
2001	227	23	1017	356.894	-355.206	D	6.738	6.725	0.013	1.506	99.51	0.48	0	0	0	0
2001	228	23	594	363.123	-354.422	D	7.883	7.883	0	3.937	97.8	0.09	0	0	0	0
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	6.929	6.929	0	1.914	0	0	0	0	0	0
2001	232	23	947	365.801	-355.162	D	6.733	6.732	0.001	1.521	98.43	1.6	0	0	0	0
2001	233	23	933	366.169	-356.524	D	7.208	7.207	0.001	2.483	99.84	0.18	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	929	366.032	-357.239	D	6.939	6.939	0	1.934	92.79	0.1	0	0	0	0
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	8.255	8.255	0	4.778	0	0	0	0	0	0
2001	239	23	955	364.92	-354.582	D	7.386	7.265	0.121	2.604	97.11	2.89	0	0	0	0
2001	240	23	930	366.19	-357.232	D	7.264	7.15	0.114	2.365	99.36	0.64	0	0	0	0
2001	241	23	822	358.021	-361.607	D	6.918	6.878	0.04	1.812	99.54	0.46	0	0	0	0
2001	242	23	810	357.434	-360.005	D	7.628	7.591	0.037	3.296	98.77	1.23	0	0	0	0
2001	243	23	901	364.256	-360.039	D	7.782	7.779	0.003	3.706	98.84	1.08	0	0	0	0
2001	244	23	933	366.169	-356.524	D	8.653	8.589	0.064	5.561	97.18	2.81	0	0	0	0
2001	245	23	1035	356.477	-356.792	D	7.441	7.408	0.032	2.906	97.63	2.37	0	0	0	0
2001	246	23	1017	356.894	-355.206	D	7.441	7.436	0.005	2.965	99.69	0.33	0	0	0	0
2001	247	23	967	363.478	-354.116	D	6.837	6.823	0.013	1.701	99.75	0.24	0	0	0	0
2001	248	23	967	363.478	-354.116	D	7.222	7.197	0.025	2.463	99.1	0.89	0	0	0	0
2001	249	23	964	363.678	-354.148	D	8.956	8.946	0.01	6.429	99.77	0.22	0	0	0	0
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	8.546	8.546	0	5.459	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	6.969	6.969	0	1.996	0	0	0	0	0	0
2001	254	23	1002	359.309	-354.73	D	6.704	6.7	0.004	1.456	97.26	2.76	0	0	0	0
2001	255	23	1035	356.477	-356.792	D	6.822	6.821	0.001	1.697	99.12	0.87	0	0	0	0
2001	256	23	643	363.609	-354.151	D	6.927	6.926	0	1.909	99.3	0.46	0	0	0	0
2001	257	23	964	363.678	-354.148	D	7.095	7.069	0.027	2.198	97.66	2.34	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	258	23	810	357.434	-360.005	D	6.742	6.74	0.003	1.535	99.73	0.21	0	0	0	0
2001	259	23	10	356.954	-355.443	D	6.687	6.686	0	1.43	98.77	1.25	0	0	0	0
2001	260	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	8.862	8.862	0	6.222	0	0	0	0	0	0
2001	262	23	955	364.92	-354.582	D	8.121	8.103	0.018	4.43	90.4	9.59	0	0	0	0
2001	263	23	1	356.546	-357.458	D	7.025	7.025	0	2.109	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	265	23	930	366.19	-357.232	D	6.951	6.949	0.002	1.955	96.96	2.97	0	0	0	0
2001	266	23	907	365.051	-359.809	D	7.684	7.681	0.004	3.491	97.67	2.33	0	0	0	0
2001	267	23	930	366.19	-357.232	D	7.684	7.662	0.022	3.449	69.69	30.3	0	0	0	0
2001	268	23	907	365.051	-359.809	D	6.6	6.593	0.007	1.246	80.26	19.75	0	0	0	0
2001	269	23	907	365.051	-359.809	D	6.572	6.54	0.031	1.144	89.75	10.25	0	0	0	0
2001	270	23	835	359.911	-362.063	D	6.638	6.615	0.023	1.29	97.56	2.44	0	0	0	0
2001	271	23	227	359.892	-360.057	D	6.698	6.678	0.02	1.413	98.06	1.94	0	0	0	0
2001	272	23	822	358.021	-361.607	D	6.987	6.987	0	2.031	99.59	0.49	0	0	0	0
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.274	7.263	0.011	2.601	94.13	5.87	0	0	0	0
2001	275	23	949	365.722	-354.966	D	7.007	7.001	0.005	2.061	98.54	1.43	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0
2001	278	23	811	357.434	-360.225	D	9.057	8.915	0.142	6.351	80.4	19.6	0	0	0	0
2001	279	23	930	366.19	-357.232	D	7.203	7.202	0.001	2.472	69.67	30.21	0	0	0	0
2001	280	23	907	365.051	-359.809	D	6.553	6.552	0.001	1.167	97.86	2.26	0	0	0	0
2001	281	23	786	365.973	-357.042	D	6.66	6.653	0.007	1.365	92.11	7.89	0	0	0	0
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	10.222	10.218	0.004	9.779	81.71	18.26	0	0	0	0
2001	285	23	1008	358.048	-354.775	D	9.821	9.591	0.23	8.074	77.76	22.24	0	0	0	0
2001	286	23	934	366.01	-356.526	D	9.951	9.927	0.024	8.975	97.42	2.57	0	0	0	0
2001	287	23	930	366.19	-357.232	D	7.164	7.144	0.019	2.354	93.51	6.5	0	0	0	0
2001	288	23	1	356.546	-357.458	D	6.921	6.921	0	1.899	0	0	0	0	0	0
2001	289	23	947	365.801	-355.162	D	7.171	7.171	0	2.408	70.37	29.85	0	0	0	0
2001	290	23	1	356.546	-357.458	D	6.492	6.492	0	1.051	0	0	0	0	0	0
2001	291	23	930	366.19	-357.232	D	6.559	6.559	0	1.18	88.87	11.21	0	0	0	0
2001	292	23	1	356.546	-357.458	D	6.741	6.741	0	1.537	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.888	7.888	0	3.946	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	297	23	1	356.546	-357.458	D	9.504	9.504	0	7.846	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	301	23	933	366.169	-356.524	D	6.489	6.482	0.007	1.032	78.78	21.23	0	0	0	0
2001	302	23	643	363.609	-354.151	D	6.504	6.503	0	1.073	96.27	3.83	0	0	0	0
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	927	365.912	-357.454	D	9.265	9.195	0.07	7.05	82.04	17.96	0	0	0	0
2001	308	23	1035	356.477	-356.792	D	6.666	6.66	0.006	1.378	96.45	3.57	0	0	0	0
2001	309	23	927	365.912	-357.454	D	8.964	8.864	0.1	6.227	78.72	21.28	0	0	0	0
2001	310	23	832	359.493	-362.061	D	7.173	7.133	0.04	2.331	91.75	8.25	0	0	0	0
2001	311	23	927	365.912	-357.454	D	7.378	7.349	0.029	2.78	96.39	3.62	0	0	0	0
2001	312	23	933	366.169	-356.524	D	7.603	7.601	0.002	3.318	98.74	1.25	0	0	0	0
2001	313	23	927	365.912	-357.454	D	6.61	6.589	0.021	1.239	48.81	51.19	0	0	0	0
2001	314	23	929	366.032	-357.239	D	6.666	6.665	0	1.389	89.08	10.14	0	0	0	0
2001	315	23	949	365.722	-354.966	D	6.739	6.729	0.01	1.514	74.67	25.33	0	0	0	0
2001	316	23	1039	356.522	-357.599	D	6.665	6.663	0.003	1.383	88.13	11.75	0	0	0	0
2001	317	23	929	366.032	-357.239	D	6.733	6.733	0	1.522	80.18	2.25	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.18	7.18	0	2.428	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.828	7.828	0	3.814	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	6.474	6.474	0	1.017	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	6.515	6.515	0	1.096	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	930	366.19	-357.232	D	8.806	8.674	0.132	5.765	55.65	44.35	0	0	0	0
2001	333	23	1035	356.477	-356.792	D	10.223	10.026	0.197	9.247	65.89	34.11	0	0	0	0
2001	334	23	822	358.021	-361.607	D	9.033	8.714	0.319	5.861	75.28	24.72	0	0	0	0
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	948	365.727	-355.056	D	7.938	7.938	0	4.058	84.56	12.42	0	0	0	0
2001	342	23	934	366.01	-356.526	D	8.182	8.094	0.088	4.409	71.58	28.42	0	0	0	0
2001	343	23	930	366.19	-357.232	D	6.599	6.598	0	1.257	59.52	40.8	0	0	0	0
2001	344	23	930	366.19	-357.232	D	6.517	6.513	0.004	1.091	55.55	44.46	0	0	0	0
2001	345	23	930	366.19	-357.232	D	6.559	6.557	0.002	1.178	71.11	28.85	0	0	0	0
2001	346	23	255	360.129	-359.796	D	9.529	9.529	0	7.91	59.83	15.12	0	0	0	0
2001	347	23	1	356.546	-357.458	D	9.597	9.597	0	8.089	0	0	0	0	0	0
2001	348	23	933	366.169	-356.524	D	8.876	8.856	0.02	6.206	83.04	16.96	0	0	0	0
2001	349	23	786	365.973	-357.042	D	8.79	8.789	0	6.043	95.06	4.45	0	0	0	0
2001	350	23	947	365.801	-355.162	D	10.122	10.116	0.006	9.495	87.98	11.93	0	0	0	0
2001	351	23	930	366.19	-357.232	D	9.61	9.443	0.167	7.687	61.26	38.74	0	0	0	0
2001	352	23	247	360.217	-361.79	D	6.568	6.568	0	1.198	54.41	2.89	0	0	0	0
2001	353	23	1	356.546	-357.458	D	6.769	6.769	0	1.594	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	6.533	6.533	0	1.131	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	6.604	6.604	0	1.269	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	6.616	6.616	0	1.292	0	0	0	0	0	0
									0.398							
HOLCIM									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.162	7.162	0	2.39	0	0	0	0	0	0
2001	2	23	1	356.546	-357.458	D	7.263	7.263	0	2.599	0	0	0	0	0	0
2001	3	23	1	356.546	-357.458	D	8.553	8.553	0	5.476	0	0	0	0	0	0
2001	4	23	1	356.546	-357.458	D	8.279	8.279	0	4.833	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	5	23	1	356.546	-357.458	D	7.363	7.363	0	2.809	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.4	7.4	0	2.888	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	8.31	8.31	0	4.906	0	0	0	0	0	0
2001	9	23	1	356.546	-357.458	D	9.291	9.291	0	7.294	0	0	0	0	0	0
2001	10	23	786	365.973	-357.042	D	7.333	7.328	0.005	2.736	40.67	59.06	0	0	0	0.23
2001	11	23	933	366.169	-356.524	D	8.855	8.855	0	6.204	54.05	44.92	0	0	0	0.38
2001	12	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	10.094	10.094	0	9.433	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	9.682	9.682	0	8.316	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.24	7.24	0	2.553	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2001	17	23	933	366.169	-356.524	D	6.813	6.765	0.048	1.586	43.47	55.78	0	0	0	0.74
2001	18	23	907	365.051	-359.809	D	7.201	6.742	0.459	1.541	41.74	57.8	0	0	0	0.46
2001	19	23	907	365.051	-359.809	D	6.874	6.873	0.001	1.802	56.78	42.58	0	0	0	0.56
2001	20	23	1	356.546	-357.458	D	6.59	6.59	0	1.242	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	6.481	6.481	0	1.03	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	6.759	6.759	0	1.574	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	6.768	6.768	0	1.592	0	0	0	0	0	0
2001	25	23	930	366.19	-357.232	D	6.609	6.607	0.002	1.274	32.87	66.39	0	0	0	0.82
2001	26	23	930	366.19	-357.232	D	6.534	6.522	0.012	1.108	32.97	66.62	0	0	0	0.41
2001	27	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2001	28	23	949	365.722	-354.966	D	6.501	6.501	0	1.067	49.85	49.14	0	0	0	0.66
2001	29	23	929	366.032	-357.239	D	8.327	8.327	0	4.946	17.69	16.21	0	0	0	0.14
2001	30	23	1	356.546	-357.458	D	6.894	6.894	0	1.843	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.146	7.146	0	2.358	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	6.485	6.485	0	1.036	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	6.535	6.535	0	1.133	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	6.691	6.691	0	1.439	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	6.677	6.677	0	1.411	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	38	23	1	356.546	-357.458	D	6.686	6.686	0	1.429	0	0	0	0	0	0
2001	39	23	1	356.546	-357.458	D	9.678	9.678	0	8.304	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	9.263	9.263	0	7.224	0	0	0	0	0	0
2001	41	23	1	356.546	-357.458	D	6.621	6.621	0	1.301	0	0	0	0	0	0
2001	42	23	949	365.722	-354.966	D	6.505	6.47	0.035	1.008	39.52	59.88	0	0	0	0.61
2001	43	23	1017	356.894	-355.206	D	6.624	6.623	0.001	1.305	50.32	49.19	0	0	0	0.41

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	44	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	10.197	10.197	0	9.721	0	0	0	0	0	0
2001	46	23	907	365.051	-359.809	D	7.393	7.39	0.003	2.867	66.45	33.31	0	0	0	0.27
2001	47	23	907	365.051	-359.809	D	6.629	6.627	0.002	1.312	68.18	31.69	0	0	0	0.18
2001	48	23	1	356.546	-357.458	D	6.522	6.522	0	1.108	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	6.471	6.471	0	1.011	0	0	0	0	0	0
2001	50	23	929	366.032	-357.239	D	6.482	6.482	0	1.031	60.9	36	0	0	0	0.63
2001	51	23	955	364.92	-354.582	D	7.206	7.205	0.001	2.48	67.55	31.86	0	0	0	0.71
2001	52	23	1017	356.894	-355.206	D	7.189	6.698	0.491	1.453	46.65	52.86	0	0	0	0.49
2001	53	23	1039	356.522	-357.599	D	7.381	7.366	0.015	2.816	52.71	47.21	0	0	0	0.09
2001	54	23	949	365.722	-354.966	D	6.804	6.803	0.001	1.661	61.29	38.53	0	0	0	0.35
2001	55	23	1	356.546	-357.458	D	9.629	9.629	0	8.175	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.355	7.355	0	2.792	0	0	0	0	0	0
2001	57	23	1	356.546	-357.458	D	6.502	6.502	0	1.07	0	0	0	0	0	0
2001	58	23	933	366.169	-356.524	D	6.542	6.532	0.01	1.128	58.27	41.12	0	0	0	0.6
2001	59	23	1017	356.894	-355.206	D	6.897	6.848	0.049	1.751	57.14	42.67	0	0	0	0.18
2001	60	23	643	363.609	-354.151	D	6.606	6.606	0	1.272	47.92	51.3	0	0	0	0.71
2001	61	23	1	356.546	-357.458	D	7.906	7.906	0	3.988	0	0	0	0	0	0
2001	62	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2001	63	23	786	365.973	-357.042	D	6.905	6.588	0.316	1.238	47.46	52.03	0	0	0	0.51
2001	64	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	6.471	6.471	0	1.009	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	6.565	6.565	0	1.193	0	0	0	0	0	0
2001	68	23	1	356.546	-357.458	D	6.503	6.503	0	1.072	0	0	0	0	0	0
2001	69	23	907	365.051	-359.809	D	6.473	6.471	0.001	1.01	73.95	25.1	0	0	0	0.9
2001	70	23	933	366.169	-356.524	D	6.481	6.48	0.001	1.028	74.56	24.8	0	0	0	0.59
2001	71	23	1	356.546	-357.458	D	8.688	8.688	0	5.798	0	0	0	0	0	0
2001	72	23	1	356.546	-357.458	D	6.535	6.535	0	1.135	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.113	7.113	0	2.29	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	9.86	9.86	0	8.793	0	0	0	0	0	0
2001	75	23	809	357.432	-359.845	D	7.5	7.165	0.335	2.396	69.27	30.61	0	0	0	0.12
2001	76	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2001	77	23	930	366.19	-357.232	D	6.529	6.503	0.025	1.073	48.83	50.1	0	0	0	1.08
2001	78	23	1039	356.522	-357.599	D	6.483	6.472	0.011	1.012	56.93	42.3	0	0	0	0.78
2001	79	23	1017	356.894	-355.206	D	6.515	6.484	0.031	1.035	73.2	25.68	0	0	0	1.12
2001	80	23	907	365.051	-359.809	D	6.621	6.473	0.148	1.014	59.78	39.26	0	0	0	0.96
2001	81	23	949	365.722	-354.966	D	6.557	6.493	0.064	1.052	79.79	19.43	0	0	0	0.78
2001	82	23	933	366.169	-356.524	D	6.869	6.75	0.118	1.556	77.83	21.72	0	0	0	0.45

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	83	23	930	366.19	-357.232	D	6.857	6.69	0.167	1.437	84.08	15.69	0	0	0	0.23
2001	84	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	6.491	6.491	0	1.048	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	6.468	6.468	0	1.005	0	0	0	0	0	0
2001	87	23	785	365.637	-355.06	D	6.482	6.482	0	1.031	75.43	21.56	0	0	0	0.62
2001	88	23	1	356.546	-357.458	D	6.911	6.911	0	1.878	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.453	7.453	0	3	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	6.473	6.473	0	1.013	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.384	7.384	0	2.855	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	9.648	9.648	0	8.226	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	9.432	9.432	0	7.657	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.559	7.559	0	3.228	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	6.813	6.813	0	1.682	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.171	7.171	0	2.41	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	6.874	6.874	0	1.802	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.375	7.375	0	2.834	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	6.526	6.526	0	1.117	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	6.559	6.559	0	1.181	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	6.687	6.687	0	1.431	0	0	0	0	0	0
2001	105	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2001	106	23	1	356.546	-357.458	D	6.489	6.489	0	1.045	0	0	0	0	0	0
2001	107	23	1	356.546	-357.458	D	6.477	6.477	0	1.021	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	6.479	6.479	0	1.026	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	6.54	6.54	0	1.144	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	8.502	8.502	0	5.355	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.602	7.602	0	3.321	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	8.495	8.495	0	5.339	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.659	7.659	0	3.445	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	6.507	6.507	0	1.08	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	6.482	6.482	0	1.03	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	6.587	6.587	0	1.236	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	6.595	6.595	0	1.251	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	6.583	6.583	0	1.227	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	6.862	6.862	0	1.778	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.272	7.272	0	2.618	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	122	23	1	356.546	-357.458	D	6.96	6.96	0	1.977	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	6.988	6.988	0	2.033	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.28	7.28	0	2.635	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	9.077	9.077	0	6.754	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.235	7.235	0	2.542	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	8.162	8.162	0	4.564	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	6.506	6.506	0	1.078	0	0	0	0	0	0
2001	129	23	1	356.546	-357.458	D	6.631	6.631	0	1.321	0	0	0	0	0	0
2001	130	23	929	366.032	-357.239	D	6.841	6.841	0	1.737	99.36	0.5	0	0	0	0.3
2001	131	23	1	356.546	-357.458	D	7.488	7.488	0	3.075	0	0	0	0	0	0
2001	132	23	1	356.546	-357.458	D	8.544	8.544	0	5.453	0	0	0	0	0	0
2001	133	23	1	356.546	-357.458	D	6.549	6.549	0	1.162	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	6.762	6.762	0	1.58	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	6.856	6.856	0	1.768	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	6.774	6.774	0	1.603	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.638	7.638	0	3.398	0	0	0	0	0	0
2001	138	23	1	356.546	-357.458	D	8.015	8.015	0	4.231	0	0	0	0	0	0
2001	139	23	947	365.801	-355.162	D	8.713	8.695	0.018	5.816	67.52	32.42	0	0	0	0.05
2001	140	23	933	366.169	-356.524	D	7.52	7.52	0.001	3.143	96.49	2.84	0	0	0	0.59
2001	141	23	1	356.546	-357.458	D	8.617	8.617	0	5.629	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	6.546	6.546	0	1.154	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	6.512	6.512	0	1.09	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	6.508	6.508	0	1.081	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	6.593	6.593	0	1.248	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	6.572	6.572	0	1.207	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	6.768	6.768	0	1.591	0	0	0	0	0	0
2001	148	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0
2001	149	23	930	366.19	-357.232	D	6.849	6.849	0	1.753	97.61	2	0	0	0	0.43
2001	150	23	949	365.722	-354.966	D	8.542	8.54	0.002	5.445	95.37	4.42	0	0	0	0.14
2001	151	23	1	356.546	-357.458	D	8.828	8.828	0	6.138	0	0	0	0	0	0
2001	152	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2001	153	23	1	356.546	-357.458	D	7.018	7.018	0	2.095	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.181	7.181	0	2.429	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	8.898	8.898	0	6.309	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.529	7.529	0	3.162	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.846	7.846	0	3.853	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.493	7.492	0.001	3.084	98.99	0.38	0	0	0	0.61
2001	159	23	907	365.051	-359.809	D	7.461	7.112	0.349	2.286	96.89	2.89	0	0	0	0.22
2001	160	23	933	366.169	-356.524	D	7.464	7.367	0.096	2.82	96.96	2.8	0	0	0	0.24

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	161	23	227	359.892	-360.057	D	7.13	7.06	0.07	2.18	98.75	1.06	0	0	0	0.19
2001	162	23	933	366.169	-356.524	D	7.182	7.179	0.004	2.424	99.55	0.3	0	0	0	0.13
2001	163	23	929	366.032	-357.239	D	6.949	6.949	0	1.955	99.85	0.21	0	0	0	0.18
2001	164	23	785	365.637	-355.06	D	6.971	6.971	0	2	99.13	0.31	0	0	0	0.13
2001	165	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	8.124	8.124	0	4.479	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	6.529	6.529	0	1.123	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	6.563	6.563	0	1.189	0	0	0	0	0	0
2001	169	23	928	365.945	-357.303	D	6.665	6.665	0	1.388	98.94	0.15	0	0	0	0.5
2001	170	23	785	365.637	-355.06	D	6.956	6.956	0	1.969	98.35	0.17	0	0	0	0.33
2001	171	23	1	356.546	-357.458	D	6.83	6.83	0	1.716	0	0	0	0	0	0
2001	172	23	961	364.092	-354.289	D	7.745	7.73	0.015	3.598	95.77	4.06	0	0	0	0.16
2001	173	23	907	365.051	-359.809	D	6.773	6.772	0.001	1.599	97.77	1.89	0	0	0	0.26
2001	174	23	1	356.546	-357.458	D	6.633	6.633	0	1.326	0	0	0	0	0	0
2001	175	23	932	366.176	-356.761	D	6.662	6.661	0.001	1.38	99.17	0.25	0	0	0	0.52
2001	176	23	927	365.912	-357.454	D	7.158	7.104	0.053	2.271	99.09	0.69	0	0	0	0.23
2001	177	23	933	366.169	-356.524	D	7.016	6.949	0.067	1.954	99.19	0.6	0	0	0	0.21
2001	178	23	1008	358.048	-354.775	D	7.116	7.074	0.042	2.209	99.07	0.76	0	0	0	0.17
2001	179	23	964	363.678	-354.148	D	9.016	8.963	0.053	6.471	98.09	1.86	0	0	0	0.05
2001	180	23	966	363.538	-354.124	D	8.434	8.433	0.002	5.191	99.62	0.26	0	0	0	0.11
2001	181	23	1	356.546	-357.458	D	7.862	7.862	0	3.889	0	0	0	0	0	0
2001	182	23	1	356.546	-357.458	D	8.52	8.52	0	5.397	0	0	0	0	0	0
2001	183	23	933	366.169	-356.524	D	7.875	7.569	0.306	3.248	87.01	12.87	0	0	0	0.12
2001	184	23	933	366.169	-356.524	D	9.081	8.781	0.3	6.023	99.19	0.76	0	0	0	0.05
2001	185	23	785	365.637	-355.06	D	7.042	7.041	0	2.143	99.32	0.14	0	0	0	0.2
2001	186	23	1	356.546	-357.458	D	7.048	7.048	0	2.156	0	0	0	0	0	0
2001	187	23	788	365.951	-356.544	D	6.957	6.95	0.007	1.956	99.41	0.26	0	0	0	0.3
2001	188	23	941	365.977	-355.774	D	7.756	7.748	0.008	3.637	99.66	0.2	0	0	0	0.15
2001	189	23	1	356.546	-357.458	D	6.907	6.907	0	1.869	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	6.865	6.865	0	1.785	0	0	0	0	0	0
2001	191	23	1	356.546	-357.458	D	7.127	7.127	0	2.318	0	0	0	0	0	0
2001	192	23	949	365.722	-354.966	D	7.089	7.053	0.035	2.167	98.88	0.2	0	0	0	0.92
2001	193	23	941	365.977	-355.774	D	7.392	7.253	0.139	2.578	98.63	1.03	0	0	0	0.34
2001	194	23	901	364.256	-360.039	D	7.866	7.763	0.103	3.671	97	2.91	0	0	0	0.09
2001	195	23	822	358.021	-361.607	D	6.602	6.601	0.001	1.263	99.62	0.15	0	0	0	0.29
2001	196	23	1	356.546	-357.458	D	6.705	6.705	0	1.466	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	6.982	6.982	0	2.021	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	9.025	9.025	0	6.623	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.494	7.494	0	3.089	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	200	23	1	356.546	-357.458	D	7.083	7.083	0	2.227	0	0	0	0	0	0
2001	201	23	933	366.169	-356.524	D	7.469	7.469	0	3.034	100.12	0.32	0	0	0	0.24
2001	202	23	930	366.19	-357.232	D	7.048	7.045	0.003	2.15	95.24	4.64	0	0	0	0.11
2001	203	23	933	366.169	-356.524	D	7.369	7.367	0.002	2.819	99.12	0.78	0	0	0	0.09
2001	204	23	933	366.169	-356.524	D	7.742	7.741	0.001	3.622	98.56	1.23	0	0	0	0.06
2001	205	23	947	365.801	-355.162	D	7.821	7.821	0	3.799	98.93	0.35	0	0	0	0.07
2001	206	23	1	356.546	-357.458	D	8.069	8.069	0	4.353	0	0	0	0	0	0
2001	207	23	949	365.722	-354.966	D	8.766	8.765	0.001	5.983	98.27	1.51	0	0	0	0.23
2001	208	23	949	365.722	-354.966	D	9.286	8.924	0.362	6.374	92.66	7.29	0	0	0	0.05
2001	209	23	933	366.169	-356.524	D	8.447	8.286	0.161	4.85	94.08	5.87	0	0	0	0.05
2001	210	23	949	365.722	-354.966	D	8.869	8.866	0.003	6.231	97.4	2.58	0	0	0	0.05
2001	211	23	930	366.19	-357.232	D	7.709	7.702	0.006	3.538	99	0.9	0	0	0	0.07
2001	212	23	933	366.169	-356.524	D	9.433	9.344	0.089	7.431	99.75	0.21	0	0	0	0.05
2001	213	23	933	366.169	-356.524	D	9.192	9.115	0.077	6.849	99.49	0.47	0	0	0	0.03
2001	214	23	933	366.169	-356.524	D	7.895	7.893	0.001	3.959	99.77	0.25	0	0	0	0.08
2001	215	23	497	362.142	-354.715	D	6.915	6.915	0	1.885	86.58	0.05	0	0	0	0.14
2001	216	23	933	366.169	-356.524	D	7.109	7.058	0.051	2.177	98.62	0.89	0	0	0	0.49
2001	217	23	1035	356.477	-356.792	D	7.03	6.999	0.031	2.056	99	0.63	0	0	0	0.36
2001	218	23	2	356.535	-357.209	D	7.068	7.068	0	2.197	98.23	0.05	0	0	0	0.4
2001	219	23	1	356.546	-357.458	D	7.269	7.269	0	2.613	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.358	7.358	0	2.799	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.346	7.346	0	2.775	0	0	0	0	0	0
2001	222	23	1	356.546	-357.458	D	8.294	8.294	0	4.868	0	0	0	0	0	0
2001	223	23	947	365.801	-355.162	D	9.044	8.608	0.435	5.608	97.09	2.78	0	0	0	0.14
2001	224	23	930	366.19	-357.232	D	7.387	7.018	0.369	2.095	92.15	7.53	0	0	0	0.33
2001	225	23	996	360.121	-355.113	D	7.788	7.16	**0.628**	2.385	95.16	4.63	0	0	0	0.2
2001	226	23	853	361.666	-362.175	D	6.865	6.849	0.016	1.753	97.34	1.74	0	0	0	0.91
2001	227	23	832	359.493	-362.061	D	6.74	6.724	0.016	1.504	98	1.54	0	0	0	0.45
2001	228	23	947	365.801	-355.162	D	7.884	7.883	0	3.937	99.11	0.25	0	0	0	0.26
2001	229	23	1	356.546	-357.458	D	6.757	6.757	0	1.569	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	6.883	6.883	0	1.821	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	6.929	6.929	0	1.914	0	0	0	0	0	0
2001	232	23	1	356.546	-357.458	D	6.739	6.739	0	1.533	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.263	7.263	0	2.6	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.053	7.053	0	2.167	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	6.921	6.921	0	1.898	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	6.927	6.927	0	1.91	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.112	7.112	0	2.287	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	8.255	8.255	0	4.778	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	239	23	946	365.798	-355.322	D	7.265	7.265	0	2.604	98.8	0.53	0	0	0	0.42
2001	240	23	1	356.546	-357.458	D	7.063	7.063	0	2.187	0	0	0	0	0	0
2001	241	23	1	356.546	-357.458	D	6.868	6.868	0	1.792	0	0	0	0	0	0
2001	242	23	929	366.032	-357.239	D	7.539	7.539	0	3.185	98.16	1.62	0	0	0	0.1
2001	243	23	1	356.546	-357.458	D	7.675	7.675	0	3.479	0	0	0	0	0	0
2001	244	23	933	366.169	-356.524	D	8.884	8.589	0.295	5.561	94.4	5.36	0	0	0	0.23
2001	245	23	996	360.121	-355.113	D	7.834	7.426	0.409	2.943	94.5	5.38	0	0	0	0.12
2001	246	23	1017	356.894	-355.206	D	7.491	7.436	0.055	2.965	99.17	0.7	0	0	0	0.13
2001	247	23	1002	359.309	-354.73	D	6.851	6.826	0.025	1.708	99.52	0.3	0	0	0	0.18
2001	248	23	949	365.722	-354.966	D	7.23	7.197	0.033	2.463	98.38	1.48	0	0	0	0.14
2001	249	23	963	363.809	-354.192	D	8.976	8.946	0.03	6.429	99.05	0.88	0	0	0	0.06
2001	250	23	1	356.546	-357.458	D	7.43	7.43	0	2.952	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	8.474	8.474	0	5.287	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	8.546	8.546	0	5.459	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	6.969	6.969	0	1.996	0	0	0	0	0	0
2001	254	23	900	364.265	-360.243	D	6.725	6.706	0.019	1.469	96.27	3.19	0	0	0	0.53
2001	255	23	933	366.169	-356.524	D	7.108	6.848	0.26	1.75	96.27	3.42	0	0	0	0.31
2001	256	23	853	361.666	-362.175	D	7.194	6.941	0.252	1.939	98.08	1.69	0	0	0	0.23
2001	257	23	967	363.478	-354.116	D	8.018	7.069	**0.949**	2.198	88.91	10.9	0	0	0	0.19
2001	258	23	822	358.021	-361.607	D	6.741	6.74	0.001	1.535	99.57	0.19	0	0	0	0.2
2001	259	23	1	356.546	-357.458	D	6.686	6.686	0	1.43	0	0	0	0	0	0
2001	260	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	8.862	8.862	0	6.222	0	0	0	0	0	0
2001	262	23	1	356.546	-357.458	D	8.123	8.123	0	4.476	0	0	0	0	0	0
2001	263	23	1	356.546	-357.458	D	7.025	7.025	0	2.109	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.242	7.242	0	2.556	0	0	0	0	0	0
2001	265	23	947	365.801	-355.162	D	6.947	6.947	0	1.951	93.92	0.8	0	0	0	0.79
2001	266	23	941	365.977	-355.774	D	7.681	7.681	0.001	3.491	96.72	2.76	0	0	0	0.45
2001	267	23	1	356.546	-357.458	D	7.433	7.433	0	2.957	0	0	0	0	0	0
2001	268	23	907	365.051	-359.809	D	6.62	6.593	0.027	1.246	38.01	60.37	0	0	0	1.63
2001	269	23	907	365.051	-359.809	D	6.54	6.54	0	1.144	92.66	6.25	0	0	0	1.19
2001	270	23	1	356.546	-357.458	D	6.613	6.613	0	1.287	0	0	0	0	0	0
2001	271	23	949	365.722	-354.966	D	6.774	6.665	0.109	1.388	90.94	8.06	0	0	0	1.01
2001	272	23	822	358.021	-361.607	D	6.991	6.987	0.004	2.031	96.5	2.97	0	0	0	0.55
2001	273	23	1	356.546	-357.458	D	6.998	6.998	0	2.053	0	0	0	0	0	0
2001	274	23	963	363.809	-354.192	D	7.266	7.265	0.001	2.604	93.16	6.6	0	0	0	0.26
2001	275	23	1	356.546	-357.458	D	6.99	6.99	0	2.038	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.764	7.764	0	3.673	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	278	23	811	357.434	-360.225	D	10.047	8.915	1.132	6.351	57.32	42.63	0	0	0	0.05
2001	279	23	905	364.788	-359.816	D	7.214	7.214	0	2.497	81.27	19.1	0	0	0	0.07
2001	280	23	930	366.19	-357.232	D	6.55	6.55	0	1.163	93.68	4.93	0	0	0	0.86
2001	281	23	932	366.176	-356.761	D	6.661	6.652	0.01	1.362	80.49	19.09	0	0	0	0.42
2001	282	23	1	356.546	-357.458	D	7.318	7.318	0	2.716	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	9.666	9.666	0	8.274	0	0	0	0	0	0
2001	284	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2001	285	23	1010	357.824	-354.865	D	9.627	9.591	0.037	8.074	68.65	31.29	0	0	0	0.05
2001	286	23	1	356.546	-357.458	D	9.874	9.874	0	8.83	0	0	0	0	0	0
2001	287	23	1	356.546	-357.458	D	6.998	6.998	0	2.054	0	0	0	0	0	0
2001	288	23	1	356.546	-357.458	D	6.921	6.921	0	1.899	0	0	0	0	0	0
2001	289	23	1	356.546	-357.458	D	7.189	7.189	0	2.446	0	0	0	0	0	0
2001	290	23	1	356.546	-357.458	D	6.492	6.492	0	1.051	0	0	0	0	0	0
2001	291	23	766	365.477	-357.064	D	6.559	6.559	0	1.18	60.32	29.89	0	0	0	0.54
2001	292	23	1	356.546	-357.458	D	6.741	6.741	0	1.537	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.888	7.888	0	3.946	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	8.995	8.995	0	6.548	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	8.986	8.986	0	6.528	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	10.007	10.007	0	9.193	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	9.504	9.504	0	7.846	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	6.53	6.53	0	1.124	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	6.48	6.48	0	1.027	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	6.472	6.472	0	1.011	0	0	0	0	0	0
2001	301	23	930	366.19	-357.232	D	6.485	6.482	0.003	1.032	84.83	14.39	0	0	0	0.77
2001	302	23	947	365.801	-355.162	D	6.506	6.503	0.002	1.073	82.45	17.09	0	0	0	0.45
2001	303	23	1	356.546	-357.458	D	6.562	6.562	0	1.187	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	6.64	6.64	0	1.34	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	8.087	8.087	0	4.394	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	9.437	9.437	0	7.673	0	0	0	0	0	0
2001	307	23	947	365.801	-355.162	D	9.635	9.195	0.441	7.05	72.12	27.81	0	0	0	0.07
2001	308	23	1017	356.894	-355.206	D	6.691	6.66	0.031	1.378	94.67	5.01	0	0	0	0.32
2001	309	23	786	365.973	-357.042	D	9.024	8.864	0.159	6.227	85.25	14.58	0	0	0	0.16
2001	310	23	227	359.892	-360.057	D	7.267	7.133	0.134	2.331	79.5	20.2	0	0	0	0.3
2001	311	23	928	365.945	-357.303	D	7.405	7.349	0.056	2.78	87.43	12.37	0	0	0	0.2
2001	312	23	933	366.169	-356.524	D	7.603	7.601	0.002	3.318	96.15	3.61	0	0	0	0.18
2001	313	23	1	356.546	-357.458	D	6.589	6.589	0	1.238	0	0	0	0	0	0
2001	314	23	1	356.546	-357.458	D	6.664	6.664	0	1.385	0	0	0	0	0	0
2001	315	23	949	365.722	-354.966	D	6.742	6.729	0.013	1.514	80.79	17.01	0	0	0	2.19
2001	316	23	1037	356.5	-357.195	D	6.678	6.663	0.015	1.383	74.66	24.16	0	0	0	1.17

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	317	23	1	356.546	-357.458	D	6.761	6.761	0	1.578	0	0	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.18	7.18	0	2.428	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	8.659	8.659	0	5.728	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.265	7.265	0	2.605	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.614	7.614	0	3.346	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.828	7.828	0	3.814	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	6.474	6.474	0	1.017	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	6.47	6.47	0	1.008	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	6.515	6.515	0	1.096	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.077	7.077	0	2.216	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	9.009	9.009	0	6.585	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	6.691	6.691	0	1.44	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	6.906	6.906	0	1.868	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	6.949	6.949	0	1.955	0	0	0	0	0	0
2001	332	23	907	365.051	-359.809	D	8.695	8.638	0.057	5.678	55.27	44.68	0	0	0	0.06
2001	333	23	930	366.19	-357.232	D	13.224	10.113	**3.111**	9.486	48.53	51.38	0	0	0	0.09
2001	334	23	930	366.19	-357.232	D	10.081	8.811	**1.27**	6.096	70.19	29.76	0	0	0	0.06
2001	335	23	1	356.546	-357.458	D	6.638	6.638	0	1.335	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	6.673	6.673	0	1.403	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.004	7.004	0	2.066	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.019	7.019	0	2.097	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	8.996	8.996	0	6.551	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	9.441	9.441	0	7.681	0	0	0	0	0	0
2001	341	23	1	356.546	-357.458	D	7.947	7.947	0	4.078	0	0	0	0	0	0
2001	342	23	934	366.01	-356.526	D	8.465	8.094	0.371	4.409	47.44	52.34	0	0	0	0.22
2001	343	23	710	364.843	-359.589	D	6.599	6.599	0	1.258	22.46	2.12	0	0	0	0.07
2001	344	23	930	366.19	-357.232	D	6.518	6.513	0.005	1.091	37.04	62.31	0	0	0	0.64
2001	345	23	930	366.19	-357.232	D	6.566	6.557	0.009	1.178	59.91	39.55	0	0	0	0.54
2001	346	23	543	362.627	-354.444	D	9.529	9.529	0	7.91	68.31	31.11	0	0	0	0.37
2001	347	23	1	356.546	-357.458	D	9.597	9.597	0	8.089	0	0	0	0	0	0
2001	348	23	1	356.546	-357.458	D	8.779	8.779	0	6.019	0	0	0	0	0	0
2001	349	23	789	365.918	-355.796	D	8.789	8.789	0	6.043	86.12	12.33	0	0	0	0.17
2001	350	23	947	365.801	-355.162	D	10.121	10.116	0.005	9.495	74.47	25.43	0	0	0	0.04
2001	351	23	1	356.546	-357.458	D	9.409	9.409	0	7.599	0	0	0	0	0	0
2001	352	23	1	356.546	-357.458	D	6.564	6.564	0	1.19	0	0	0	0	0	0
2001	353	23	1	356.546	-357.458	D	6.769	6.769	0	1.594	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	6.471	6.471	0	1.01	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	6.493	6.493	0	1.052	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	356	23	1	356.546	-357.458	D	7.254	7.254	0	2.582	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	6.7	6.7	0	1.456	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	6.481	6.481	0	1.029	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	6.5	6.5	0	1.067	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	6.533	6.533	0	1.131	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	6.589	6.589	0	1.239	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.034	7.034	0	2.128	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	6.604	6.604	0	1.269	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	6.616	6.616	0	1.292	0	0	0	0	0	0
									3.111							

Appendix M
Hercules Glade
2002 M2

EGU											% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	1	23	823	358.24	-361.604	D	6.949	6.908	0.041	1.872	0	0	0	0	0	99.99
2002	2	23	822	358.021	-361.607	D	6.839	6.837	0.003	1.729	0	0	0	0	0	99.94
2002	3	23	927	365.912	-357.454	D	7.348	7.251	0.097	2.574	0	0	0	0	0	100
2002	4	23	947	365.801	-355.162	D	6.831	6.831	0	1.716	0	0	0	0	0	99.63
2002	5	23	1017	356.894	-355.206	D	7.129	7.121	0.008	2.306	0	0	0	0	0	99.99
2002	6	23	78	358.239	-356.385	D	9.757	9.639	0.118	8.201	0	0	0	0	0	100
2002	7	23	822	358.021	-361.607	D	7.845	7.796	0.049	3.744	0	0	0	0	0	100
2002	8	23	947	365.801	-355.162	D	6.846	6.846	0	1.747	0	0	0	0	0	99.87
2002	9	23	1	356.546	-357.458	D	6.822	6.822	0	1.699	0	0	0	0	0	0
2002	10	23	714	364.799	-358.592	D	8.431	8.421	0.011	5.163	0	0	0	0	0	99.98
2002	11	23	78	358.239	-356.385	D	7.58	7.545	0.035	3.198	0	0	0	0	0	100
2002	12	23	949	365.722	-354.966	D	6.819	6.8	0.019	1.656	0	0	0	0	0	100
2002	13	23	949	365.722	-354.966	D	7.078	7.076	0.002	2.212	0	0	0	0	0	99.98
2002	14	23	102	358.487	-356.374	D	7.038	7.035	0.003	2.129	0	0	0	0	0	99.98
2002	15	23	927	365.912	-357.454	D	6.724	6.698	0.026	1.453	0	0	0	0	0	100.01
2002	16	23	949	365.722	-354.966	D	6.624	6.624	0.001	1.307	0	0	0	0	0	99.93
2002	17	23	78	358.239	-356.385	D	6.939	6.914	0.025	1.884	0	0	0	0	0	100
2002	18	23	900	364.265	-360.243	D	8.796	8.788	0.008	6.041	0	0	0	0	0	100
2002	19	23	964	363.678	-354.148	D	9.201	9.148	0.053	6.931	0	0	0	0	0	100
2002	20	23	931	366.183	-356.996	D	9.383	9.371	0.012	7.5	0	0	0	0	0	99.98
2002	21	23	102	358.487	-356.374	D	7.367	7.365	0.002	2.815	0	0	0	0	0	99.89
2002	22	23	1	356.546	-357.458	D	6.995	6.995	0	2.048	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	24	23	1039	356.522	-357.599	D	9.229	9.208	0.022	7.083	0	0	0	0	0	100
2002	25	23	927	365.912	-357.454	D	7.006	6.926	0.08	1.908	0	0	0	0	0	100
2002	26	23	255	360.129	-359.796	D	6.728	6.728	0	1.512	0	0	0	0	0	19.76
2002	27	23	1	356.546	-357.458	D	6.625	6.625	0	1.31	0	0	0	0	0	0
2002	28	23	1	356.546	-357.458	D	6.928	6.928	0	1.913	0	0	0	0	0	0
2002	29	23	966	363.538	-354.124	D	9.142	9.138	0.004	6.908	0	0	0	0	0	99.98
2002	30	23	78	358.239	-356.385	D	10.028	9.985	0.043	9.134	0	0	0	0	0	100
2002	31	23	1038	356.511	-357.396	D	10.205	10.119	0.086	9.502	0	0	0	0	0	100
2002	32	23	1017	356.894	-355.206	D	7.483	7.456	0.027	3.007	0	0	0	0	0	100
2002	33	23	78	358.239	-356.385	D	7.027	6.971	0.056	1.999	0	0	0	0	0	100
2002	34	23	967	363.478	-354.116	D	6.892	6.88	0.012	1.815	0	0	0	0	0	100.01
2002	35	23	78	358.239	-356.385	D	7.155	7.102	0.053	2.267	0	0	0	0	0	100
2002	36	23	930	366.19	-357.232	D	6.618	6.611	0.006	1.283	0	0	0	0	0	100
2002	37	23	949	365.722	-354.966	D	9.296	9.295	0.001	7.305	0	0	0	0	0	99.91
2002	38	23	927	365.912	-357.454	D	9.485	9.367	0.118	7.49	0	0	0	0	0	100

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	39	23	933	366.169	-356.524	D	8.342	8.341	0.001	4.978	0	0	0	0	0	99.65
2002	40	23	762	365.141	-355.082	D	9.075	9.075	0	6.748	0	0	0	0	0	95.92
2002	41	23	949	365.722	-354.966	D	8.313	8.293	0.021	4.865	0	0	0	0	0	100
2002	42	23	78	358.239	-356.385	D	7.778	7.661	0.118	3.447	0	0	0	0	0	100
2002	43	23	1007	358.259	-354.768	D	6.622	6.606	0.017	1.272	0	0	0	0	0	100.01
2002	44	23	822	358.021	-361.607	D	6.675	6.666	0.009	1.391	0	0	0	0	0	99.99
2002	45	23	823	358.24	-361.604	D	6.59	6.581	0.009	1.224	0	0	0	0	0	100
2002	46	23	1017	356.894	-355.206	D	6.903	6.86	0.044	1.775	0	0	0	0	0	100
2002	47	23	949	365.722	-354.966	D	6.667	6.646	0.021	1.352	0	0	0	0	0	100.01
2002	48	23	78	358.239	-356.385	D	6.581	6.558	0.023	1.179	0	0	0	0	0	100
2002	49	23	930	366.19	-357.232	D	6.607	6.606	0.001	1.272	0	0	0	0	0	100.04
2002	50	23	1	356.546	-357.458	D	8.514	8.514	0	5.384	0	0	0	0	0	0
2002	51	23	966	363.538	-354.124	D	8.993	8.993	0.001	6.544	0	0	0	0	0	99.72
2002	52	23	773	365.4	-355.32	D	7.156	7.089	0.067	2.239	0	0	0	0	0	100
2002	53	23	78	358.239	-356.385	D	6.999	6.964	0.035	1.986	0	0	0	0	0	100
2002	54	23	1035	356.477	-356.792	D	6.656	6.629	0.027	1.317	0	0	0	0	0	100
2002	55	23	930	366.19	-357.232	D	6.795	6.795	0	1.646	0	0	0	0	0	99.6
2002	56	23	78	358.239	-356.385	D	7.949	7.935	0.014	4.052	0	0	0	0	0	99.99
2002	57	23	949	365.722	-354.966	D	7.741	7.698	0.043	3.529	0	0	0	0	0	100
2002	58	23	773	365.4	-355.32	D	6.776	6.77	0.006	1.595	0	0	0	0	0	99.97
2002	59	23	785	365.637	-355.06	D	6.499	6.499	0	1.063	0	0	0	0	0	99.77
2002	60	23	1	356.546	-357.458	D	7.718	7.718	0	3.573	0	0	0	0	0	0
2002	61	23	985	361.137	-354.683	D	9.667	9.608	0.06	8.118	0	0	0	0	0	100
2002	62	23	773	365.4	-355.32	D	7.388	7.291	0.096	2.659	0	0	0	0	0	100
2002	63	23	861	361.895	-361.506	D	7.4	7.399	0.001	2.886	0	0	0	0	0	99.95
2002	64	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	6.942	6.942	0	1.941	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	9.291	9.291	0	7.295	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	8.946	8.946	0	6.427	0	0	0	0	0	0
2002	68	23	822	358.021	-361.607	D	8.711	8.711	0	5.854	0	0	0	0	0	99.92
2002	69	23	927	365.912	-357.454	D	7.086	7.03	0.055	2.12	0	0	0	0	0	100
2002	70	23	1017	356.894	-355.206	D	7.127	7.125	0.002	2.314	0	0	0	0	0	100.02
2002	71	23	1041	356.936	-357.592	D	9.289	9.281	0.008	7.27	0	0	0	0	0	99.99
2002	72	23	1039	356.522	-357.599	D	7.03	7.01	0.02	2.078	0	0	0	0	0	99.99
2002	73	23	941	365.977	-355.774	D	8.133	8.133	0.001	4.497	0	0	0	0	0	100.23
2002	74	23	1037	356.5	-357.195	D	8.982	8.972	0.01	6.491	0	0	0	0	0	99.98
2002	75	23	907	365.051	-359.809	D	7.626	7.622	0.004	3.364	0	0	0	0	0	99.98
2002	76	23	1017	356.894	-355.206	D	8.093	8.088	0.005	4.396	0	0	0	0	0	100.01
2002	77	23	78	358.239	-356.385	D	9.023	9.013	0.01	6.594	0	0	0	0	0	99.97

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	78	23	907	365.051	-359.809	D	10.225	10.218	0.007	9.779	0	0	0	0	0	99.97
2002	79	23	1035	356.477	-356.792	D	9.274	9.252	0.023	7.195	0	0	0	0	0	99.99
2002	80	23	731	365.047	-358.581	D	7.902	7.826	0.076	3.81	0	0	0	0	0	100
2002	81	23	1035	356.477	-356.792	D	6.499	6.485	0.014	1.038	0	0	0	0	0	99.99
2002	82	23	941	365.977	-355.774	D	6.651	6.643	0.008	1.345	0	0	0	0	0	100
2002	83	23	1	356.546	-357.458	D	8.066	8.066	0	4.346	0	0	0	0	0	0
2002	84	23	78	358.239	-356.385	D	10.227	10.218	0.009	9.779	0	0	0	0	0	99.96
2002	85	23	822	358.021	-361.607	D	8.49	8.482	0.008	5.307	0	0	0	0	0	100
2002	86	23	78	358.239	-356.385	D	7.724	7.696	0.028	3.525	0	0	0	0	0	99.99
2002	87	23	1017	356.894	-355.206	D	7.323	7.322	0.001	2.724	0	0	0	0	0	99.99
2002	88	23	563	362.941	-355.928	D	8.354	8.349	0.005	4.995	0	0	0	0	0	100.01
2002	89	23	949	365.722	-354.966	D	7.405	7.4	0.004	2.889	0	0	0	0	0	100.01
2002	90	23	1017	356.894	-355.206	D	7.095	7.087	0.008	2.236	0	0	0	0	0	99.99
2002	91	23	78	358.239	-356.385	D	6.662	6.642	0.02	1.342	0	0	0	0	0	100
2002	92	23	1039	356.522	-357.599	D	7.434	7.431	0.003	2.954	0	0	0	0	0	99.99
2002	93	23	1	356.546	-357.458	D	6.652	6.652	0	1.363	0	0	0	0	0	0
2002	94	23	949	365.722	-354.966	D	6.546	6.541	0.005	1.145	0	0	0	0	0	100
2002	95	23	846	360.93	-362.178	D	6.528	6.518	0.01	1.101	0	0	0	0	0	100
2002	96	23	1017	356.894	-355.206	D	6.54	6.532	0.008	1.128	0	0	0	0	0	100
2002	97	23	933	366.169	-356.524	D	7.975	7.974	0.001	4.139	0	0	0	0	0	99.92
2002	98	23	2	356.535	-357.209	D	10.042	10.042	0	9.289	0	0	0	0	0	88.28
2002	99	23	974	362.281	-354.249	D	9.148	9.13	0.019	6.886	0	0	0	0	0	99.99
2002	100	23	930	366.19	-357.232	D	7.385	7.379	0.005	2.845	0	0	0	0	0	99.98
2002	101	23	785	365.637	-355.06	D	6.892	6.892	0	1.839	0	0	0	0	0	99.45
2002	102	23	643	363.609	-354.151	D	7.442	7.442	0	2.977	0	0	0	0	0	99.81
2002	103	23	949	365.722	-354.966	D	9.738	9.732	0.006	8.449	0	0	0	0	0	99.96
2002	104	23	1017	356.894	-355.206	D	9.331	9.329	0.003	7.392	0	0	0	0	0	99.85
2002	105	23	1	356.546	-357.458	D	8.09	8.09	0	4.401	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.575	7.575	0	3.262	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.511	7.511	0	3.124	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	8.475	8.475	0	5.29	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.611	7.611	0	3.34	0	0	0	0	0	0
2002	110	23	949	365.722	-354.966	D	9.536	9.512	0.024	7.867	0	0	0	0	0	100.01
2002	111	23	967	363.478	-354.116	D	9.439	9.438	0.001	7.675	0	0	0	0	0	99.95
2002	112	23	78	358.239	-356.385	D	6.991	6.941	0.05	1.938	0	0	0	0	0	100
2002	113	23	1017	356.894	-355.206	D	6.982	6.98	0.002	2.018	0	0	0	0	0	99.98
2002	114	23	78	358.239	-356.385	D	8.455	8.449	0.006	5.23	0	0	0	0	0	100.01
2002	115	23	822	358.021	-361.607	D	6.747	6.747	0	1.549	0	0	0	0	0	100.19
2002	116	23	853	361.666	-362.175	D	8.127	8.125	0.002	4.48	0	0	0	0	0	99.93

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	117	23	965	363.588	-354.142	D	8.241	8.241	0.001	4.745	0	0	0	0	0	99.84
2002	118	23	773	365.4	-355.32	D	8.363	8.314	0.049	4.914	0	0	0	0	0	100
2002	119	23	1038	356.511	-357.396	D	6.816	6.797	0.019	1.649	0	0	0	0	0	99.99
2002	120	23	710	364.843	-359.589	D	7.832	7.831	0.001	3.82	0	0	0	0	0	99.83
2002	121	23	295	360.234	-356.546	D	9.364	9.364	0	7.482	0	0	0	0	0	72.95
2002	122	23	78	358.239	-356.385	D	8.448	8.426	0.021	5.176	0	0	0	0	0	100
2002	123	23	845	360.851	-362.181	D	6.978	6.97	0.009	1.996	0	0	0	0	0	100.01
2002	124	23	1017	356.894	-355.206	D	7.391	7.379	0.012	2.844	0	0	0	0	0	99.98
2002	125	23	1035	356.477	-356.792	D	8.34	8.335	0.004	4.964	0	0	0	0	0	99.97
2002	126	23	643	363.609	-354.151	D	8.304	8.304	0	4.892	0	0	0	0	0	99.84
2002	127	23	1	356.546	-357.458	D	8.856	8.856	0	6.205	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	9.261	9.261	0	7.218	0	0	0	0	0	0
2002	129	23	78	358.239	-356.385	D	8.032	8.026	0.006	4.256	0	0	0	0	0	100.01
2002	130	23	907	365.051	-359.809	D	6.633	6.62	0.013	1.3	0	0	0	0	0	100
2002	131	23	947	365.801	-355.162	D	7.78	7.777	0.003	3.701	0	0	0	0	0	99.96
2002	132	23	966	363.538	-354.124	D	9.754	9.749	0.005	8.493	0	0	0	0	0	99.95
2002	133	23	822	358.021	-361.607	D	8.613	8.602	0.011	5.592	0	0	0	0	0	99.99
2002	134	23	1017	356.894	-355.206	D	6.873	6.849	0.024	1.753	0	0	0	0	0	99.99
2002	135	23	949	365.722	-354.966	D	6.781	6.777	0.004	1.609	0	0	0	0	0	99.99
2002	136	23	1	356.546	-357.458	D	7.383	7.383	0	2.852	0	0	0	0	0	0
2002	137	23	927	365.912	-357.454	D	9.957	9.941	0.017	9.012	0	0	0	0	0	99.99
2002	138	23	852	361.595	-362.148	D	8.259	8.259	0	4.786	0	0	0	0	0	100.28
2002	139	23	1009	357.941	-354.82	D	6.852	6.817	0.034	1.69	0	0	0	0	0	100
2002	140	23	78	358.239	-356.385	D	6.851	6.787	0.064	1.629	0	0	0	0	0	100
2002	141	23	822	358.021	-361.607	D	6.722	6.719	0.003	1.495	0	0	0	0	0	99.96
2002	142	23	946	365.798	-355.322	D	6.764	6.763	0.001	1.581	0	0	0	0	0	100
2002	143	23	930	366.19	-357.232	D	6.756	6.756	0	1.568	0	0	0	0	0	98.58
2002	144	23	1	356.546	-357.458	D	7.37	7.37	0	2.825	0	0	0	0	0	0
2002	145	23	643	363.609	-354.151	D	8.263	8.262	0.001	4.794	0	0	0	0	0	99.87
2002	146	23	966	363.538	-354.124	D	7.824	7.813	0.011	3.781	0	0	0	0	0	100.01
2002	147	23	730	364.623	-354.605	D	8.687	8.687	0	5.796	0	0	0	0	0	98.23
2002	148	23	1	356.546	-357.458	D	9.172	9.172	0	6.994	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2002	150	23	947	365.801	-355.162	D	8.4	8.4	0	5.115	0	0	0	0	0	100.3
2002	151	23	949	365.722	-354.966	D	7.08	7.079	0.001	2.22	0	0	0	0	0	100.04
2002	152	23	747	364.871	-354.594	D	7.168	7.167	0	2.402	0	0	0	0	0	98.34
2002	153	23	1	356.546	-357.458	D	7.677	7.677	0	3.483	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.825	7.825	0	3.807	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.059	7.059	0	2.178	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	156	23	78	358.239	-356.385	D	8.799	8.721	0.078	5.878	0	0	0	0	0	100
2002	157	23	835	359.911	-362.063	D	8.255	8.253	0.001	4.774	0	0	0	0	0	99.84
2002	158	23	1009	357.941	-354.82	D	6.887	6.887	0	1.829	0	0	0	0	0	99.89
2002	159	23	822	358.021	-361.607	D	6.891	6.884	0.007	1.824	0	0	0	0	0	99.98
2002	160	23	1009	357.941	-354.82	D	7.432	7.431	0.002	2.953	0	0	0	0	0	99.94
2002	161	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	8.492	8.492	0	5.332	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	8.522	8.522	0	5.401	0	0	0	0	0	0
2002	164	23	1035	356.477	-356.792	D	7.941	7.933	0.007	4.048	0	0	0	0	0	100
2002	165	23	1017	356.894	-355.206	D	7.206	7.184	0.023	2.435	0	0	0	0	0	100
2002	166	23	927	365.912	-357.454	D	6.767	6.698	0.069	1.453	0	0	0	0	0	100
2002	167	23	927	365.912	-357.454	D	6.691	6.635	0.057	1.328	0	0	0	0	0	100
2002	168	23	822	358.021	-361.607	D	6.912	6.906	0.006	1.868	0	0	0	0	0	99.99
2002	169	23	930	366.19	-357.232	D	6.758	6.755	0.003	1.566	0	0	0	0	0	99.94
2002	170	23	948	365.727	-355.056	D	7.022	7.021	0.001	2.101	0	0	0	0	0	99.88
2002	171	23	247	360.217	-361.79	D	7.604	7.604	0	3.325	0	0	0	0	0	48.92
2002	172	23	1	356.546	-357.458	D	7.907	7.907	0	3.989	0	0	0	0	0	0
2002	173	23	949	365.722	-354.966	D	7.477	7.476	0.001	3.049	0	0	0	0	0	100.04
2002	174	23	822	358.021	-361.607	D	7.04	7.039	0.001	2.137	0	0	0	0	0	100.13
2002	175	23	10	356.954	-355.443	D	7.036	7.036	0	2.132	0	0	0	0	0	86.7
2002	176	23	1	356.546	-357.458	D	7.974	7.974	0	4.138	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.864	7.864	0	3.894	0	0	0	0	0	0
2002	178	23	949	365.722	-354.966	D	8.465	8.465	0.001	5.267	0	0	0	0	0	99.47
2002	179	23	963	363.809	-354.192	D	7.417	7.411	0.006	2.911	0	0	0	0	0	99.99
2002	180	23	955	364.92	-354.582	D	7.276	7.27	0.006	2.615	0	0	0	0	0	100.01
2002	181	23	255	360.129	-359.796	D	7.403	7.403	0	2.894	0	0	0	0	0	68.94
2002	182	23	1	356.546	-357.458	D	6.828	6.828	0	1.711	0	0	0	0	0	0
2002	183	23	930	366.19	-357.232	D	6.701	6.7	0.001	1.457	0	0	0	0	0	99.92
2002	184	23	947	365.801	-355.162	D	8.189	8.189	0.001	4.625	0	0	0	0	0	99.64
2002	185	23	930	366.19	-357.232	D	7.476	7.475	0.002	3.047	0	0	0	0	0	99.98
2002	186	23	844	360.75	-362.146	D	7.83	7.827	0.003	3.811	0	0	0	0	0	100.03
2002	187	23	846	360.93	-362.178	D	7.149	7.146	0.003	2.358	0	0	0	0	0	100.01
2002	188	23	967	363.478	-354.116	D	7.382	7.379	0.003	2.844	0	0	0	0	0	100.04
2002	189	23	941	365.977	-355.774	D	6.794	6.792	0.002	1.64	0	0	0	0	0	99.93
2002	190	23	930	366.19	-357.232	D	6.774	6.772	0.002	1.6	0	0	0	0	0	99.95
2002	191	23	955	364.92	-354.582	D	7.107	7.106	0	2.275	0	0	0	0	0	100.24
2002	192	23	832	359.493	-362.061	D	7.869	7.859	0.01	3.883	0	0	0	0	0	99.99
2002	193	23	966	363.538	-354.124	D	8.503	8.479	0.024	5.3	0	0	0	0	0	99.99
2002	194	23	1017	356.894	-355.206	D	9.234	9.211	0.023	7.091	0	0	0	0	0	99.99

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	195	23	966	363.538	-354.124	D	8.48	8.463	0.017	5.263	0	0	0	0	0	100
2002	196	23	1017	356.894	-355.206	D	7.226	7.214	0.013	2.497	0	0	0	0	0	99.99
2002	197	23	1017	356.894	-355.206	D	7.12	7.118	0.003	2.299	0	0	0	0	0	99.97
2002	198	23	785	365.637	-355.06	D	8.612	8.612	0	5.616	0	0	0	0	0	99.14
2002	199	23	520	362.88	-360.174	D	8.097	8.097	0	4.416	0	0	0	0	0	88.5
2002	200	23	255	360.129	-359.796	D	9.273	9.273	0	7.249	0	0	0	0	0	12.93
2002	201	23	1	356.546	-357.458	D	8.2	8.2	0	4.651	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	8.243	8.243	0	4.751	0	0	0	0	0	0
2002	203	23	929	366.032	-357.239	D	7.116	7.116	0	2.296	0	0	0	0	0	23.62
2002	204	23	78	358.239	-356.385	D	7.55	7.467	0.083	3.031	0	0	0	0	0	100
2002	205	23	930	366.19	-357.232	D	6.944	6.94	0.003	1.937	0	0	0	0	0	99.95
2002	206	23	643	363.609	-354.151	D	7.122	7.116	0.005	2.296	0	0	0	0	0	99.97
2002	207	23	931	366.183	-356.996	D	7.358	7.356	0.002	2.796	0	0	0	0	0	99.96
2002	208	23	929	366.032	-357.239	D	7.476	7.476	0	3.049	0	0	0	0	0	98.11
2002	209	23	1	356.546	-357.458	D	7.228	7.228	0	2.528	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.898	7.898	0	3.969	0	0	0	0	0	0
2002	211	23	967	363.478	-354.116	D	7.765	7.764	0.001	3.674	0	0	0	0	0	100.31
2002	212	23	949	365.722	-354.966	D	7.247	7.239	0.008	2.55	0	0	0	0	0	99.99
2002	213	23	929	366.032	-357.239	D	7.154	7.154	0	2.373	0	0	0	0	0	77.25
2002	214	23	927	365.912	-357.454	D	7.488	7.46	0.029	3.015	0	0	0	0	0	100
2002	215	23	836	360.07	-362.066	D	7.417	7.41	0.008	2.909	0	0	0	0	0	100
2002	216	23	1017	356.894	-355.206	D	7.548	7.546	0.002	3.2	0	0	0	0	0	99.98
2002	217	23	965	363.588	-354.142	D	7.293	7.292	0.001	2.662	0	0	0	0	0	99.67
2002	218	23	1008	358.048	-354.775	D	6.871	6.861	0.01	1.777	0	0	0	0	0	100.01
2002	219	23	78	358.239	-356.385	D	8.744	8.732	0.013	5.904	0	0	0	0	0	100.01
2002	220	23	1017	356.894	-355.206	D	6.73	6.723	0.007	1.503	0	0	0	0	0	100
2002	221	23	822	358.021	-361.607	D	6.69	6.689	0.001	1.435	0	0	0	0	0	99.88
2002	222	23	930	366.19	-357.232	D	6.843	6.843	0.001	1.74	0	0	0	0	0	99.93
2002	223	23	10	356.954	-355.443	D	7.168	7.168	0	2.402	0	0	0	0	0	96.88
2002	224	23	1	356.546	-357.458	D	7.094	7.094	0	2.251	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	9.125	9.125	0	6.875	0	0	0	0	0	0
2002	226	23	78	358.239	-356.385	D	9.614	9.597	0.017	8.09	0	0	0	0	0	99.98
2002	227	23	78	358.239	-356.385	D	8.495	8.49	0.005	5.327	0	0	0	0	0	100
2002	228	23	1	356.546	-357.458	D	8.55	8.55	0	5.468	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	8.018	8.018	0	4.237	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	8.407	8.407	0	5.131	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.437	7.437	0	2.967	0	0	0	0	0	0
2002	232	23	62	357.925	-354.901	D	7.015	7.015	0	2.089	0	0	0	0	0	96.21
2002	233	23	1	356.546	-357.458	D	7.361	7.361	0	2.805	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	234	23	1	356.546	-357.458	D	7.811	7.811	0	3.777	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0
2002	236	23	1017	356.894	-355.206	D	7.952	7.915	0.036	4.008	0	0	0	0	0	100
2002	237	23	811	357.434	-360.225	D	7.796	7.787	0.009	3.724	0	0	0	0	0	99.98
2002	238	23	930	366.19	-357.232	D	7.413	7.411	0.002	2.911	0	0	0	0	0	100.04
2002	239	23	907	365.051	-359.809	D	6.93	6.918	0.012	1.892	0	0	0	0	0	100
2002	240	23	714	364.799	-358.592	D	7.328	7.307	0.021	2.692	0	0	0	0	0	99.99
2002	241	23	78	358.239	-356.385	D	7.162	7.135	0.027	2.334	0	0	0	0	0	99.99
2002	242	23	1017	356.894	-355.206	D	6.954	6.944	0.01	1.945	0	0	0	0	0	100
2002	243	23	845	360.851	-362.181	D	7.127	7.127	0.001	2.318	0	0	0	0	0	99.78
2002	244	23	775	365.747	-357.551	D	7.089	7.088	0.001	2.238	0	0	0	0	0	99.83
2002	245	23	618	363.371	-354.411	D	6.954	6.953	0	1.964	0	0	0	0	0	100.63
2002	246	23	1	356.546	-357.458	D	7.006	7.006	0	2.07	0	0	0	0	0	0
2002	247	23	949	365.722	-354.966	D	7.019	7.016	0.003	2.09	0	0	0	0	0	100.01
2002	248	23	967	363.478	-354.116	D	7.018	7.01	0.008	2.078	0	0	0	0	0	100
2002	249	23	1007	358.259	-354.768	D	6.771	6.766	0.005	1.587	0	0	0	0	0	99.95
2002	250	23	785	365.637	-355.06	D	6.713	6.713	0.001	1.482	0	0	0	0	0	100
2002	251	23	1	356.546	-357.458	D	8.576	8.576	0	5.53	0	0	0	0	0	0
2002	252	23	619	363.872	-360.131	D	7.235	7.235	0	2.542	0	0	0	0	0	87.95
2002	253	23	1035	356.477	-356.792	D	7.06	7.027	0.033	2.114	0	0	0	0	0	100
2002	254	23	811	357.434	-360.225	D	7.473	7.465	0.007	3.027	0	0	0	0	0	99.99
2002	255	23	731	365.047	-358.581	D	7.101	7.084	0.018	2.229	0	0	0	0	0	100
2002	256	23	1037	356.5	-357.195	D	6.629	6.623	0.005	1.306	0	0	0	0	0	99.98
2002	257	23	933	366.169	-356.524	D	6.672	6.67	0.002	1.397	0	0	0	0	0	99.99
2002	258	23	811	357.434	-360.225	D	8.047	8.04	0.007	4.287	0	0	0	0	0	100.02
2002	259	23	845	360.851	-362.181	D	8.052	8.045	0.007	4.298	0	0	0	0	0	100.01
2002	260	23	1008	358.048	-354.775	D	7.594	7.586	0.008	3.286	0	0	0	0	0	99.96
2002	261	23	948	365.727	-355.056	D	8.108	8.108	0	4.441	0	0	0	0	0	99.31
2002	262	23	1	356.546	-357.458	D	9.072	9.072	0	6.74	0	0	0	0	0	0
2002	263	23	773	365.4	-355.32	D	9.196	9.196	0.001	7.052	0	0	0	0	0	99.8
2002	264	23	773	365.4	-355.32	D	6.767	6.763	0.004	1.582	0	0	0	0	0	99.97
2002	265	23	78	358.239	-356.385	D	6.808	6.734	0.074	1.525	0	0	0	0	0	100
2002	266	23	930	366.19	-357.232	D	6.587	6.587	0	1.235	0	0	0	0	0	99.92
2002	267	23	907	365.051	-359.809	D	6.536	6.526	0.01	1.117	0	0	0	0	0	100
2002	268	23	78	358.239	-356.385	D	6.778	6.774	0.004	1.603	0	0	0	0	0	99.94
2002	269	23	853	361.666	-362.175	D	6.952	6.952	0	1.961	0	0	0	0	0	100.58
2002	270	23	846	360.93	-362.178	D	7.495	7.419	0.076	2.929	0	0	0	0	0	100
2002	271	23	949	365.722	-354.966	D	6.776	6.755	0.022	1.565	0	0	0	0	0	99.99
2002	272	23	930	366.19	-357.232	D	7.363	7.352	0.011	2.786	0	0	0	0	0	99.98

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	273	23	1017	356.894	-355.206	D	7.675	7.674	0.001	3.476	0	0	0	0	0	100.09
2002	274	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.413	7.413	0	2.915	0	0	0	0	0	0
2002	277	23	643	363.609	-354.151	D	9.12	9.12	0	6.861	0	0	0	0	0	99.2
2002	278	23	78	358.239	-356.385	D	7.124	7.094	0.031	2.25	0	0	0	0	0	100
2002	279	23	964	363.678	-354.148	D	6.728	6.721	0.007	1.498	0	0	0	0	0	100
2002	280	23	822	358.021	-361.607	D	6.71	6.703	0.006	1.464	0	0	0	0	0	100.01
2002	281	23	933	366.169	-356.524	D	6.566	6.557	0.009	1.177	0	0	0	0	0	100
2002	282	23	1017	356.894	-355.206	D	8.754	8.753	0.002	5.954	0	0	0	0	0	99.94
2002	283	23	927	365.912	-357.454	D	9.539	9.537	0.002	7.932	0	0	0	0	0	99.78
2002	284	23	1017	356.894	-355.206	D	8.612	8.601	0.011	5.59	0	0	0	0	0	100
2002	285	23	78	358.239	-356.385	D	8.816	8.805	0.011	6.083	0	0	0	0	0	99.99
2002	286	23	907	365.051	-359.809	D	7.506	7.5	0.006	3.101	0	0	0	0	0	100.01
2002	287	23	78	358.239	-356.385	D	6.54	6.528	0.012	1.12	0	0	0	0	0	100
2002	288	23	78	358.239	-356.385	D	6.702	6.504	0.197	1.074	0	0	0	0	0	100
2002	289	23	1	356.546	-357.458	D	6.563	6.563	0	1.188	0	0	0	0	0	17.91
2002	290	23	822	358.021	-361.607	D	9.096	9.09	0.006	6.787	0	0	0	0	0	99.98
2002	291	23	949	365.722	-354.966	D	6.679	6.678	0	1.414	0	0	0	0	0	100.14
2002	292	23	1017	356.894	-355.206	D	9.45	9.439	0.012	7.676	0	0	0	0	0	99.99
2002	293	23	907	365.051	-359.809	D	7.699	7.693	0.006	3.517	0	0	0	0	0	99.97
2002	294	23	1017	356.894	-355.206	D	6.788	6.774	0.014	1.604	0	0	0	0	0	100
2002	295	23	78	358.239	-356.385	D	6.854	6.828	0.026	1.711	0	0	0	0	0	100
2002	296	23	955	364.92	-354.582	D	6.853	6.801	0.051	1.657	0	0	0	0	0	100
2002	297	23	1017	356.894	-355.206	D	6.681	6.678	0.003	1.413	0	0	0	0	0	100.01
2002	298	23	1017	356.894	-355.206	D	9.197	9.184	0.013	7.023	0	0	0	0	0	100.01
2002	299	23	78	358.239	-356.385	D	8.966	8.911	0.054	6.342	0	0	0	0	0	100
2002	300	23	900	364.265	-360.243	D	8.941	8.906	0.035	6.33	0	0	0	0	0	100
2002	301	23	1017	356.894	-355.206	D	10.189	10.176	0.013	9.662	0	0	0	0	0	99.98
2002	302	23	822	358.021	-361.607	D	9.775	9.753	0.022	8.504	0	0	0	0	0	100
2002	303	23	78	358.239	-356.385	D	8.548	8.512	0.037	5.377	0	0	0	0	0	100
2002	304	23	846	360.93	-362.178	D	8.92	8.899	0.021	6.312	0	0	0	0	0	100
2002	305	23	822	358.021	-361.607	D	7.943	7.941	0.002	4.066	0	0	0	0	0	100
2002	306	23	78	358.239	-356.385	D	7.611	7.559	0.051	3.229	0	0	0	0	0	100
2002	307	23	967	363.478	-354.116	D	10.117	10.113	0.005	9.486	0	0	0	0	0	99.93
2002	308	23	78	358.239	-356.385	D	9.216	9.16	0.056	6.962	0	0	0	0	0	100
2002	309	23	949	365.722	-354.966	D	9.137	9.129	0.008	6.883	0	0	0	0	0	99.98
2002	310	23	773	365.4	-355.32	D	8.021	7.879	0.142	3.927	0	0	0	0	0	100
2002	311	23	947	365.801	-355.162	D	6.549	6.549	0.001	1.161	0	0	0	0	0	100.03

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	312	23	1	356.546	-357.458	D	6.657	6.657	0	1.373	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	8.478	8.478	0	5.298	0	0	0	0	0	0
2002	314	23	1017	356.894	-355.206	D	8.619	8.593	0.026	5.57	0	0	0	0	0	100.01
2002	315	23	78	358.239	-356.385	D	6.952	6.852	0.1	1.759	0	0	0	0	0	100
2002	316	23	811	357.434	-360.225	D	6.729	6.706	0.022	1.47	0	0	0	0	0	99.99
2002	317	23	949	365.722	-354.966	D	6.644	6.644	0.001	1.346	0	0	0	0	0	99.92
2002	318	23	1	356.546	-357.458	D	6.68	6.68	0	1.417	0	0	0	0	0	0
2002	319	23	1017	356.894	-355.206	D	9.327	9.326	0.001	7.384	0	0	0	0	0	100
2002	320	23	811	357.434	-360.225	D	9.106	9.076	0.03	6.751	0	0	0	0	0	100
2002	321	23	78	358.239	-356.385	D	6.878	6.773	0.105	1.602	0	0	0	0	0	100
2002	322	23	730	364.623	-354.605	D	7.027	7.027	0	2.114	0	0	0	0	0	98.29
2002	323	23	102	358.487	-356.374	D	7.071	6.941	0.13	1.938	0	0	0	0	0	100
2002	324	23	949	365.722	-354.966	D	6.5	6.496	0.004	1.058	0	0	0	0	0	100.02
2002	325	23	927	365.912	-357.454	D	6.789	6.652	0.138	1.362	0	0	0	0	0	100
2002	326	23	1017	356.894	-355.206	D	7.139	7.086	0.053	2.233	0	0	0	0	0	100
2002	327	23	949	365.722	-354.966	D	6.56	6.558	0.002	1.178	0	0	0	0	0	100.01
2002	328	23	1039	356.522	-357.599	D	6.621	6.617	0.004	1.293	0	0	0	0	0	100.01
2002	329	23	907	365.051	-359.809	D	6.976	6.97	0.006	1.997	0	0	0	0	0	100
2002	330	23	1039	356.522	-357.599	D	6.649	6.582	0.068	1.225	0	0	0	0	0	100
2002	331	23	1039	356.522	-357.599	D	6.944	6.922	0.022	1.9	0	0	0	0	0	99.99
2002	332	23	933	366.169	-356.524	D	6.598	6.593	0.005	1.247	0	0	0	0	0	99.99
2002	333	23	329	360.972	-362.006	D	6.601	6.601	0	1.263	0	0	0	0	0	85.72
2002	334	23	78	358.239	-356.385	D	6.795	6.711	0.084	1.478	0	0	0	0	0	100
2002	335	23	869	361.064	-360.714	D	6.601	6.507	0.094	1.08	0	0	0	0	0	100
2002	336	23	10	356.954	-355.443	D	6.483	6.483	0	1.034	0	0	0	0	0	98.84
2002	337	23	78	358.239	-356.385	D	6.903	6.872	0.031	1.8	0	0	0	0	0	100
2002	338	23	295	360.234	-356.546	D	9.819	9.817	0.003	8.676	0	0	0	0	0	99.93
2002	339	23	955	364.92	-354.582	D	8.166	8.139	0.027	4.512	0	0	0	0	0	100
2002	340	23	931	366.183	-356.996	D	9.166	9.164	0.002	6.974	0	0	0	0	0	99.9
2002	341	23	1	356.546	-357.458	D	7.426	7.426	0	2.944	0	0	0	0	0	0
2002	342	23	1010	357.824	-354.865	D	8.157	8.131	0.027	4.493	0	0	0	0	0	100
2002	343	23	986	360.908	-354.689	D	8.192	8.173	0.018	4.591	0	0	0	0	0	99.99
2002	344	23	1008	358.048	-354.775	D	6.868	6.864	0.004	1.784	0	0	0	0	0	99.98
2002	345	23	967	363.478	-354.116	D	8.08	8.073	0.007	4.362	0	0	0	0	0	99.98
2002	346	23	929	366.032	-357.239	D	7.512	7.512	0	3.127	0	0	0	0	0	99.49
2002	347	23	1039	356.522	-357.599	D	9.055	9.015	0.04	6.599	0	0	0	0	0	100
2002	348	23	714	364.799	-358.592	D	9.681	9.528	0.153	7.908	0	0	0	0	0	100
2002	349	23	933	366.169	-356.524	D	7.206	7.206	0	2.482	0	0	0	0	0	99.41
2002	350	23	1	356.546	-357.458	D	8.634	8.634	0	5.669	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	351	23	1	356.546	-357.458	D	9.503	9.503	0	7.844	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	9.613	9.613	0	8.133	0	0	0	0	0	0
2002	353	23	78	358.239	-356.385	D	7.745	7.699	0.046	3.532	0	0	0	0	0	100
2002	354	23	78	358.239	-356.385	D	6.722	6.719	0.003	1.494	0	0	0	0	0	100.01
2002	355	23	1	356.546	-357.458	D	6.506	6.506	0	1.077	0	0	0	0	0	0
2002	356	23	958	364.309	-354.601	D	7.276	7.215	0.061	2.501	0	0	0	0	0	100
2002	357	23	927	365.912	-357.454	D	7.366	7.341	0.024	2.764	0	0	0	0	0	99.99
2002	358	23	811	357.434	-360.225	D	9.638	9.611	0.027	8.127	0	0	0	0	0	100
2002	359	23	927	365.912	-357.454	D	7.427	7.331	0.096	2.743	0	0	0	0	0	100
2002	360	23	931	366.183	-356.996	D	7.502	7.497	0.005	3.095	0	0	0	0	0	99.94
2002	361	23	930	366.19	-357.232	D	7.139	7.137	0.001	2.339	0	0	0	0	0	99.94
2002	362	23	1	356.546	-357.458	D	7.157	7.157	0	2.381	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	9.404	9.404	0	7.586	0	0	0	0	0	0
2002	365	23	78	358.239	-356.385	D	8.616	8.6	0.016	5.587	0	0	0	0	0	100
									0.197							
EXIDE											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1017	356.894	-355.206	D	6.912	6.912	0	1.879	74.71	12.65	0	0	0	12.05
2002	2	23	1035	356.477	-356.792	D	6.843	6.838	0.005	1.731	85.49	9.32	0	0	0	5.14
2002	3	23	1017	356.894	-355.206	D	7.265	7.261	0.004	2.596	87.79	8.91	0	0	0	3.28
2002	4	23	927	365.912	-357.454	D	6.831	6.831	0.001	1.716	90.2	6.22	0	0	0	3.55
2002	5	23	255	360.129	-359.796	D	7.104	7.104	0	2.27	50.71	3.1	0	0	0	1.26
2002	6	23	1038	356.511	-357.396	D	9.648	9.639	0.009	8.201	91.24	7.63	0	0	0	1.1
2002	7	23	1	356.546	-357.458	D	7.799	7.799	0	3.751	83.39	11.18	0	0	0	6.86
2002	8	23	84	358.173	-354.889	D	6.845	6.845	0	1.745	83.23	11.38	0	0	0	4.7
2002	9	23	1	356.546	-357.458	D	6.822	6.822	0	1.699	0	0	0	0	0	0
2002	10	23	1017	356.894	-355.206	D	8.456	8.454	0.002	5.24	93.14	5.44	0	0	0	1.3
2002	11	23	1039	356.522	-357.599	D	7.548	7.545	0.003	3.198	77.17	16.78	0	0	0	6.02
2002	12	23	941	365.977	-355.774	D	6.8	6.8	0	1.656	86.81	5.52	0	0	0	6.59
2002	13	23	932	366.176	-356.761	D	7.067	7.067	0	2.194	86.87	5.39	0	0	0	5.71
2002	14	23	1	356.546	-357.458	D	7.035	7.035	0	2.129	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	6.685	6.685	0	1.428	0	0	0	0	0	0
2002	16	23	1	356.546	-357.458	D	6.622	6.622	0	1.304	55.23	2.65	0	0	0	2.38
2002	17	23	823	358.24	-361.604	D	6.916	6.913	0.003	1.882	83.47	10.08	0	0	0	6.41
2002	18	23	1005	358.679	-354.752	D	8.837	8.836	0	6.158	86.94	10.85	0	0	0	1.36
2002	19	23	746	364.882	-354.843	D	9.148	9.148	0	6.931	92.6	5.81	0	0	0	1
2002	20	23	932	366.176	-356.761	D	9.373	9.371	0.002	7.5	95.71	3.7	0	0	0	0.39

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	21	23	785	365.637	-355.06	D	7.385	7.385	0	2.856	95.68	2.65	0	0	0	0.71
2002	22	23	1	356.546	-357.458	D	6.995	6.995	0	2.048	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	24	23	949	365.722	-354.966	D	9.212	9.204	0.008	7.073	94.23	5.39	0	0	0	0.37
2002	25	23	836	360.07	-362.066	D	6.935	6.935	0	1.926	83.91	11	0	0	0	5.26
2002	26	23	710	364.843	-359.589	D	6.728	6.728	0	1.512	87.16	3.63	0	0	0	3.85
2002	27	23	255	360.129	-359.796	D	6.624	6.624	0	1.308	68.27	1.85	0	0	0	3.17
2002	28	23	1	356.546	-357.458	D	6.928	6.928	0	1.913	0	0	0	0	0	0
2002	29	23	965	363.588	-354.142	D	9.14	9.138	0.001	6.908	93.97	5.25	0	0	0	0.54
2002	30	23	964	363.678	-354.148	D	10.036	9.985	0.051	9.134	94.68	4.89	0	0	0	0.43
2002	31	23	1035	356.477	-356.792	D	10.173	10.119	0.055	9.502	96.72	3.04	0	0	0	0.23
2002	32	23	949	365.722	-354.966	D	7.46	7.456	0.004	3.007	96.23	3.45	0	0	0	0.32
2002	33	23	775	365.747	-357.551	D	6.972	6.972	0	2.001	91.5	3.94	0	0	0	3.62
2002	34	23	929	366.032	-357.239	D	6.871	6.871	0	1.798	93.44	3.81	0	0	0	2
2002	35	23	929	366.032	-357.239	D	7.106	7.105	0.001	2.274	88.65	7.26	0	0	0	4.04
2002	36	23	1	356.546	-357.458	D	6.622	6.622	0	1.303	0	0	0	0	0	0
2002	37	23	1	356.546	-357.458	D	9.286	9.286	0	7.281	0	0	0	0	0	0
2002	38	23	1	356.546	-357.458	D	9.37	9.37	0	7.497	0	0	0	0	0	0
2002	39	23	1	356.546	-357.458	D	8.385	8.385	0	5.08	0	0	0	0	0	0
2002	40	23	1	356.546	-357.458	D	9.064	9.064	0	6.722	0	0	0	0	0	0
2002	41	23	822	358.021	-361.607	D	8.244	8.243	0.001	4.751	90.34	6.62	0	0	0	2.72
2002	42	23	822	358.021	-361.607	D	7.655	7.654	0	3.434	94.78	4.19	0	0	0	1.62
2002	43	23	1018	356.892	-355.39	D	6.606	6.606	0.001	1.272	82.28	4.56	0	0	0	13.19
2002	44	23	822	358.021	-361.607	D	6.667	6.666	0	1.391	83.64	5.75	0	0	0	11.4
2002	45	23	1016	357.1	-355.198	D	6.584	6.584	0	1.229	84.4	8.6	0	0	0	6.89
2002	46	23	255	360.129	-359.796	D	6.854	6.854	0	1.763	51.58	1.39	0	0	0	1.72
2002	47	23	1	356.546	-357.458	D	6.647	6.647	0	1.352	0	0	0	0	0	0
2002	48	23	822	358.021	-361.607	D	6.559	6.558	0.001	1.178	80.09	6.97	0	0	0	13.1
2002	49	23	1	356.546	-357.458	D	6.612	6.612	0	1.284	91.88	3.05	0	0	0	5.3
2002	50	23	1	356.546	-357.458	D	8.514	8.514	0	5.384	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	8.973	8.973	0	6.495	0	0	0	0	0	0
2002	52	23	643	363.609	-354.151	D	7.089	7.089	0	2.239	85.54	3.18	0	0	0	10.89
2002	53	23	16	357.648	-359.906	D	6.965	6.964	0	1.986	87.09	5.05	0	0	0	7.62
2002	54	23	1	356.546	-357.458	D	6.629	6.629	0	1.317	88.38	5.89	0	0	0	5.23
2002	55	23	929	366.032	-357.239	D	6.795	6.795	0	1.646	93.82	2.95	0	0	0	2.23
2002	56	23	200	359.633	-359.818	D	7.936	7.935	0.001	4.052	89.68	8.94	0	0	0	1.28
2002	57	23	822	358.021	-361.607	D	7.666	7.665	0.001	3.458	72.52	20.34	0	0	0	7.14
2002	58	23	1	356.546	-357.458	D	6.762	6.762	0	1.579	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	6.499	6.499	0	1.064	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	60	23	1	356.546	-357.458	D	7.718	7.718	0	3.573	0	0	0	0	0	0
2002	61	23	1	356.546	-357.458	D	9.578	9.578	0	8.04	89.92	3.99	0	0	0	0.37
2002	62	23	542	362.638	-354.693	D	7.293	7.291	0.002	2.659	87.04	9.68	0	0	0	3.23
2002	63	23	1	356.546	-357.458	D	7.413	7.413	0	2.917	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	6.942	6.942	0	1.941	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	9.291	9.291	0	7.295	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	8.946	8.946	0	6.427	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	8.713	8.713	0	5.859	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.022	7.022	0	2.104	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	71	23	1	356.546	-357.458	D	9.281	9.281	0	7.27	0	0	0	0	0	0
2002	72	23	965	363.588	-354.142	D	7.029	7.028	0.001	2.115	93.36	3.57	0	0	0	2.64
2002	73	23	1	356.546	-357.458	D	8.052	8.052	0	4.314	0	0	0	0	0	0
2002	74	23	255	360.129	-359.796	D	8.966	8.964	0.002	6.472	91.4	7.15	0	0	0	1.36
2002	75	23	407	361.716	-361.973	D	7.648	7.648	0	3.42	93	4.59	0	0	0	0.56
2002	76	23	255	360.129	-359.796	D	8.261	8.26	0	4.79	96.29	2.59	0	0	0	0.48
2002	77	23	930	366.19	-357.232	D	9.111	9.111	0.001	6.838	97.19	1.91	0	0	0	0.32
2002	78	23	14	357.202	-355.432	D	10.218	10.218	0	9.779	96.67	1.64	0	0	0	0.12
2002	79	23	1	356.546	-357.458	D	9.252	9.252	0	7.195	99.76	1.63	0	0	0	0.11
2002	80	23	934	366.01	-356.526	D	7.978	7.976	0.002	4.143	90.31	7.39	0	0	0	2.27
2002	81	23	3	356.524	-356.959	D	6.485	6.485	0	1.038	77.76	9.61	0	0	0	11.51
2002	82	23	1017	356.894	-355.206	D	6.646	6.646	0.001	1.35	88.54	7.46	0	0	0	3.77
2002	83	23	929	366.032	-357.239	D	7.948	7.948	0	4.08	96.78	2.04	0	0	0	1.03
2002	84	23	643	363.609	-354.151	D	10.218	10.218	0.001	9.779	96.67	2.52	0	0	0	0.09
2002	85	23	643	363.609	-354.151	D	8.483	8.482	0.001	5.307	97.61	2.18	0	0	0	0.09
2002	86	23	1017	356.894	-355.206	D	7.697	7.696	0.001	3.525	93.32	5.56	0	0	0	0.94
2002	87	23	1	356.546	-357.458	D	7.322	7.322	0	2.724	0	0	0	0	0	0
2002	88	23	1017	356.894	-355.206	D	8.397	8.397	0	5.108	96.34	0.73	0	0	0	2.12
2002	89	23	1017	356.894	-355.206	D	7.436	7.436	0	2.964	89.5	6.62	0	0	0	3.1
2002	90	23	300	360.18	-355.3	D	7.079	7.079	0	2.219	83.28	0.32	0	0	0	6.88
2002	91	23	643	363.609	-354.151	D	6.641	6.641	0	1.34	93.04	2.2	0	0	0	4.67
2002	92	23	642	363.62	-354.4	D	7.441	7.441	0	2.974	95.19	1.88	0	0	0	2.25
2002	93	23	228	359.881	-359.807	D	6.652	6.652	0	1.363	44.77	0.33	0	0	0	0.86
2002	94	23	1	356.546	-357.458	D	6.542	6.542	0	1.147	0	0	0	0	0	0
2002	95	23	261	360.063	-358.301	D	6.514	6.514	0	1.094	22.95	0.05	0	0	0	0.91
2002	96	23	949	365.722	-354.966	D	6.529	6.528	0	1.121	94.52	0.73	0	0	0	3.41
2002	97	23	929	366.032	-357.239	D	7.974	7.974	0	4.139	91.66	0.66	0	0	0	2.15
2002	98	23	1	356.546	-357.458	D	10.042	10.042	0	9.289	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	99	23	1	356.546	-357.458	D	9.139	9.139	0	6.909	0	0	0	0	0	0
2002	100	23	1	356.546	-357.458	D	7.423	7.423	0	2.936	0	0	0	0	0	0
2002	101	23	1	356.546	-357.458	D	6.905	6.905	0	1.865	0	0	0	0	0	0
2002	102	23	1017	356.894	-355.206	D	7.411	7.41	0	2.91	98.03	0.54	0	0	0	1.22
2002	103	23	1010	357.824	-354.865	D	9.74	9.738	0.002	8.465	96.35	3.06	0	0	0	0.42
2002	104	23	62	357.925	-354.901	D	9.33	9.329	0.001	7.392	98.1	1.3	0	0	0	0.26
2002	105	23	1	356.546	-357.458	D	8.09	8.09	0	4.401	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.575	7.575	0	3.262	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.511	7.511	0	3.124	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	8.475	8.475	0	5.29	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.611	7.611	0	3.34	0	0	0	0	0	0
2002	110	23	1017	356.894	-355.206	D	9.53	9.529	0	7.912	97.15	1.68	0	0	0	0.66
2002	111	23	974	362.281	-354.249	D	9.441	9.438	0.002	7.675	98.25	1.37	0	0	0	0.36
2002	112	23	947	365.801	-355.162	D	6.943	6.942	0	1.941	96.94	0.83	0	0	0	1.74
2002	113	23	927	365.912	-357.454	D	6.97	6.968	0.003	1.992	98.56	0.38	0	0	0	1.02
2002	114	23	934	366.01	-356.526	D	8.321	8.318	0.003	4.923	98.34	0.54	0	0	0	1.12
2002	115	23	900	364.265	-360.243	D	6.752	6.751	0	1.559	97.92	0.81	0	0	0	1.91
2002	116	23	774	365.389	-355.071	D	8.168	8.168	0	4.578	95.07	1.64	0	0	0	1.13
2002	117	23	747	364.871	-354.594	D	8.241	8.241	0	4.745	96.76	0.72	0	0	0	1.23
2002	118	23	1	356.546	-357.458	D	8.205	8.205	0	4.662	0	0	0	0	0	0
2002	119	23	108	358.421	-354.879	D	6.798	6.797	0.001	1.649	95.05	1.31	0	0	0	3.46
2002	120	23	1002	359.309	-354.73	D	7.864	7.862	0.001	3.89	98.75	0.17	0	0	0	1.04
2002	121	23	967	363.478	-354.116	D	9.364	9.364	0	7.482	94.1	0.19	0	0	0	0.18
2002	122	23	1017	356.894	-355.206	D	8.428	8.426	0.001	5.176	98.71	0.8	0	0	0	0.36
2002	123	23	44	358.21	-361.379	D	6.976	6.975	0.001	2.007	98.98	0.31	0	0	0	0.83
2002	124	23	1	356.546	-357.458	D	7.38	7.379	0.001	2.844	98.77	0.44	0	0	0	0.54
2002	125	23	822	358.021	-361.607	D	8.337	8.336	0.001	4.966	99.23	0.35	0	0	0	0.28
2002	126	23	190	359.165	-354.846	D	8.355	8.355	0	5.01	98.17	0.07	0	0	0	0.21
2002	127	23	1	356.546	-357.458	D	8.856	8.856	0	6.205	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	9.261	9.261	0	7.218	0	0	0	0	0	0
2002	129	23	1017	356.894	-355.206	D	8.026	8.026	0	4.256	84.33	10.49	0	0	0	4.47
2002	130	23	1005	358.679	-354.752	D	6.625	6.624	0.001	1.308	94.46	0.78	0	0	0	4.64
2002	131	23	1002	359.309	-354.73	D	7.831	7.831	0	3.821	98.51	0.49	0	0	0	0.43
2002	132	23	1017	356.894	-355.206	D	9.674	9.673	0.001	8.29	97.8	1.82	0	0	0	0.31
2002	133	23	961	364.092	-354.289	D	8.626	8.601	0.025	5.59	97.31	2.44	0	0	0	0.25
2002	134	23	947	365.801	-355.162	D	6.866	6.866	0.001	1.786	92.69	1.86	0	0	0	5.17
2002	135	23	776	365.736	-357.302	D	6.777	6.777	0	1.609	96.96	0.29	0	0	0	1.96
2002	136	23	29	357.907	-360.144	D	7.379	7.379	0	2.843	6.17	0	0	0	0	0.09
2002	137	23	1	356.546	-357.458	D	9.931	9.931	0	8.986	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	138	23	1	356.546	-357.458	D	8.347	8.347	0	4.991	0	0	0	0	0	0
2002	139	23	1017	356.894	-355.206	D	6.818	6.817	0.001	1.69	95.1	0.21	0	0	0	4.88
2002	140	23	822	358.021	-361.607	D	6.791	6.789	0.001	1.634	96.39	0.39	0	0	0	3.15
2002	141	23	191	359.732	-362.061	D	6.719	6.719	0	1.495	96.53	0.14	0	0	0	1.74
2002	142	23	10	356.954	-355.443	D	6.761	6.761	0	1.577	98.8	0.13	0	0	0	1.02
2002	143	23	1	356.546	-357.458	D	6.755	6.755	0	1.566	0	0	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.37	7.37	0	2.825	0	0	0	0	0	0
2002	145	23	1017	356.894	-355.206	D	8.266	8.265	0.001	4.8	97.61	0.34	0	0	0	2.1
2002	146	23	822	358.021	-361.607	D	7.887	7.875	0.012	3.919	98.36	0.89	0	0	0	0.74
2002	147	23	1007	358.259	-354.768	D	8.688	8.687	0.002	5.796	99.31	0.09	0	0	0	0.5
2002	148	23	1	356.546	-357.458	D	9.172	9.172	0	6.994	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	8.424	8.424	0	5.172	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.061	7.061	0	2.182	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.196	7.196	0	2.462	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.677	7.677	0	3.483	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.825	7.825	0	3.807	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.059	7.059	0	2.178	0	0	0	0	0	0
2002	156	23	1017	356.894	-355.206	D	8.721	8.721	0	5.878	99.26	0.1	0	0	0	0.66
2002	157	23	1017	356.894	-355.206	D	8.234	8.232	0.001	4.725	97.76	0.31	0	0	0	1.95
2002	158	23	1017	356.894	-355.206	D	6.888	6.887	0.002	1.829	97.93	0.09	0	0	0	1.93
2002	159	23	10	356.954	-355.443	D	6.884	6.884	0	1.824	90.76	0.04	0	0	0	0.76
2002	160	23	1	356.546	-357.458	D	7.431	7.431	0	2.953	0	0	0	0	0	0
2002	161	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	8.492	8.492	0	5.332	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	8.522	8.522	0	5.401	0	0	0	0	0	0
2002	164	23	966	363.538	-354.124	D	7.939	7.939	0	4.06	97.64	0.01	0	0	0	1.82
2002	165	23	907	365.051	-359.809	D	7.207	7.204	0.004	2.476	98.53	0.34	0	0	0	1.09
2002	166	23	822	358.021	-361.607	D	6.691	6.69	0.001	1.437	91.6	0.5	0	0	0	7.67
2002	167	23	931	366.183	-356.996	D	6.635	6.635	0	1.329	95.96	0.05	0	0	0	3.85
2002	168	23	255	360.129	-359.796	D	6.933	6.932	0.002	1.92	97.8	0.15	0	0	0	2.07
2002	169	23	908	365.047	-359.568	D	6.754	6.753	0.001	1.562	97.96	0.04	0	0	0	1.76
2002	170	23	785	365.637	-355.06	D	7.022	7.021	0	2.101	98.71	0.05	0	0	0	1
2002	171	23	247	360.217	-361.79	D	7.604	7.604	0	3.325	25.13	0	0	0	0	0.39
2002	172	23	1	356.546	-357.458	D	7.907	7.907	0	3.989	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.545	7.545	0	3.198	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.039	7.039	0	2.137	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.036	7.036	0	2.132	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.974	7.974	0	4.138	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	177	23	1	356.546	-357.458	D	7.864	7.864	0	3.894	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	8.442	8.442	0	5.214	0	0	0	0	0	0
2002	179	23	933	366.169	-356.524	D	7.44	7.44	0	2.972	98.2	0.28	0	0	0	1.05
2002	180	23	946	365.798	-355.322	D	7.27	7.27	0	2.615	98.82	0.11	0	0	0	0.86
2002	181	23	255	360.129	-359.796	D	7.403	7.403	0	2.894	88.15	0.01	0	0	0	0.83
2002	182	23	1	356.546	-357.458	D	6.828	6.828	0	1.711	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	6.708	6.708	0	1.473	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	8.242	8.242	0	4.747	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.384	7.384	0	2.854	0	0	0	0	0	0
2002	186	23	1	356.546	-357.458	D	7.853	7.853	0	3.87	0	0	0	0	0	0
2002	187	23	1	356.546	-357.458	D	7.187	7.187	0	2.442	0	0	0	0	0	0
2002	188	23	1	356.546	-357.458	D	7.458	7.458	0	3.011	0	0	0	0	0	0
2002	189	23	1	356.546	-357.458	D	6.792	6.792	0	1.64	0	0	0	0	0	0
2002	190	23	1	356.546	-357.458	D	6.779	6.779	0	1.613	0	0	0	0	0	0
2002	191	23	61	357.936	-355.15	D	7.115	7.115	0	2.294	43.2	0.01	0	0	0	1.29
2002	192	23	947	365.801	-355.162	D	7.923	7.92	0.004	4.017	98.64	0.63	0	0	0	0.69
2002	193	23	907	365.051	-359.809	D	8.485	8.479	0.006	5.3	99.32	0.22	0	0	0	0.43
2002	194	23	1017	356.894	-355.206	D	9.215	9.211	0.005	7.091	99.25	0.49	0	0	0	0.25
2002	195	23	822	358.021	-361.607	D	8.646	8.645	0.001	5.695	99.65	0.08	0	0	0	0.29
2002	196	23	822	358.021	-361.607	D	7.228	7.228	0	2.527	97.75	0.34	0	0	0	0.81
2002	197	23	15	357.659	-360.155	D	7.118	7.118	0	2.299	98.43	0.18	0	0	0	0.76
2002	198	23	10	356.954	-355.443	D	8.619	8.619	0	5.633	98.41	0.03	0	0	0	0.33
2002	199	23	594	363.123	-354.422	D	8.168	8.168	0	4.578	96.67	0.04	0	0	0	0.37
2002	200	23	1	356.546	-357.458	D	9.235	9.235	0	7.153	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	8.2	8.2	0	4.651	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	8.243	8.243	0	4.751	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.104	7.104	0	2.27	0	0	0	0	0	0
2002	204	23	1	356.546	-357.458	D	7.467	7.467	0	3.031	0	0	0	0	0	0
2002	205	23	44	358.21	-361.379	D	6.947	6.947	0	1.951	90.01	0.07	0	0	0	1.56
2002	206	23	822	358.021	-361.607	D	7.134	7.134	0	2.333	98.21	0.21	0	0	0	1.07
2002	207	23	996	360.121	-355.113	D	7.354	7.353	0.001	2.788	99.27	0.04	0	0	0	0.72
2002	208	23	929	366.032	-357.239	D	7.476	7.476	0	3.049	98.13	0.08	0	0	0	0.71
2002	209	23	1	356.546	-357.458	D	7.228	7.228	0	2.528	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.898	7.898	0	3.969	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.793	7.793	0	3.737	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.19	7.19	0	2.449	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.191	7.191	0	2.45	0	0	0	0	0	0
2002	214	23	10	356.954	-355.443	D	7.458	7.458	0	3.011	141.8	0.01	0	0	0	1.26
2002	215	23	10	356.954	-355.443	D	7.448	7.448	0	2.99	94.72	0.01	0	0	0	1.07

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	216	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.287	7.287	0	2.651	0	0	0	0	0	0
2002	218	23	1	356.546	-357.458	D	6.861	6.861	0	1.777	0	0	0	0	0	0
2002	219	23	1	356.546	-357.458	D	8.732	8.732	0	5.904	0	0	0	0	0	0
2002	220	23	1	356.546	-357.458	D	6.723	6.723	0	1.503	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	6.684	6.684	0	1.425	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	6.853	6.853	0	1.762	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.168	7.168	0	2.402	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.094	7.094	0	2.251	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	9.125	9.125	0	6.875	0	0	0	0	0	0
2002	226	23	643	363.609	-354.151	D	9.598	9.597	0.001	8.09	98.6	0.47	0	0	0	0.75
2002	227	23	1002	359.309	-354.73	D	8.49	8.49	0	5.327	98.65	0.04	0	0	0	0.63
2002	228	23	1	356.546	-357.458	D	8.55	8.55	0	5.468	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	8.018	8.018	0	4.237	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	8.407	8.407	0	5.131	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.437	7.437	0	2.967	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.015	7.015	0	2.089	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.361	7.361	0	2.805	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.811	7.811	0	3.777	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0
2002	236	23	1017	356.894	-355.206	D	7.919	7.915	0.003	4.008	98.09	0.39	0	0	0	1.45
2002	237	23	832	359.493	-362.061	D	7.794	7.787	0.007	3.724	98.82	0.44	0	0	0	0.72
2002	238	23	380	361.468	-361.984	D	7.404	7.404	0	2.898	99.35	0.03	0	0	0	0.94
2002	239	23	1	356.546	-357.458	D	6.915	6.915	0	1.887	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.329	7.329	0	2.739	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.135	7.135	0	2.334	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	6.944	6.944	0	1.945	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.131	7.131	0	2.327	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.078	7.078	0	2.217	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.006	7.006	0	2.07	0	0	0	0	0	0
2002	247	23	747	364.871	-354.594	D	7.016	7.016	0	2.09	96.59	0.11	0	0	0	2.5
2002	248	23	10	356.954	-355.443	D	7.033	7.033	0	2.125	97.89	0.04	0	0	0	1.41
2002	249	23	996	360.121	-355.113	D	6.76	6.76	0	1.576	92.37	0.01	0	0	0	1.57
2002	250	23	15	357.659	-360.155	D	6.717	6.717	0	1.49	69.44	0.01	0	0	0	1.23
2002	251	23	1	356.546	-357.458	D	8.576	8.576	0	5.53	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.266	7.266	0	2.606	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.027	7.027	0	2.114	0	0	0	0	0	0
2002	254	23	1035	356.477	-356.792	D	7.492	7.487	0.004	3.074	96.17	2.41	0	0	0	1.41

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	255	23	301	360.724	-362.017	D	7.12	7.12	0	2.303	91.81	0.03	0	0	0	2.07
2002	256	23	1	356.546	-357.458	D	6.623	6.623	0	1.306	0	0	0	0	0	0
2002	257	23	1	356.546	-357.458	D	6.68	6.68	0	1.417	0	0	0	0	0	0
2002	258	23	1	356.546	-357.458	D	8.041	8.041	0	4.289	0	0	0	0	0	0
2002	259	23	44	358.21	-361.379	D	8.159	8.159	0	4.557	92.14	0.1	0	0	0	1.66
2002	260	23	836	360.07	-362.066	D	7.696	7.69	0.006	3.512	98.84	0.36	0	0	0	0.8
2002	261	23	947	365.801	-355.162	D	8.11	8.108	0.002	4.441	98.83	0.54	0	0	0	0.57
2002	262	23	1	356.546	-357.458	D	9.072	9.072	0	6.74	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	9.195	9.195	0	7.052	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	6.755	6.755	0	1.565	0	0	0	0	0	0
2002	265	23	900	364.265	-360.243	D	6.737	6.737	0	1.531	94.66	0.25	0	0	0	2.74
2002	266	23	10	356.954	-355.443	D	6.581	6.581	0	1.224	91.5	0.07	0	0	0	7.76
2002	267	23	1015	357.306	-355.192	D	6.526	6.526	0	1.116	93.26	0.24	0	0	0	5.28
2002	268	23	569	362.875	-354.433	D	6.768	6.768	0	1.591	96.79	0.27	0	0	0	2.64
2002	269	23	15	357.659	-360.155	D	6.946	6.946	0	1.949	96.53	0.14	0	0	0	1.46
2002	270	23	1017	356.894	-355.206	D	7.361	7.361	0	2.805	96	0.07	0	0	0	4.32
2002	271	23	1017	356.894	-355.206	D	6.76	6.76	0	1.575	97.08	0.43	0	0	0	2.44
2002	272	23	255	360.129	-359.796	D	7.345	7.345	0	2.773	94.88	0.04	0	0	0	0.72
2002	273	23	15	357.659	-360.155	D	7.676	7.676	0	3.481	28.9	0	0	0	0	0.27
2002	274	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.413	7.413	0	2.915	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	9.122	9.122	0	6.867	0	0	0	0	0	0
2002	278	23	1017	356.894	-355.206	D	7.094	7.094	0	2.25	86.05	9.35	0	0	0	4.56
2002	279	23	407	361.716	-361.973	D	6.726	6.726	0	1.507	97.83	0.36	0	0	0	2
2002	280	23	930	366.19	-357.232	D	6.703	6.702	0.001	1.462	90.84	1.56	0	0	0	7.55
2002	281	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2002	282	23	1	356.546	-357.458	D	8.753	8.753	0	5.954	28.91	0.29	0	0	0	0.12
2002	283	23	789	365.918	-355.796	D	9.537	9.537	0	7.932	89.72	0.82	0	0	0	0.28
2002	284	23	1	356.546	-357.458	D	8.601	8.601	0	5.59	92.67	0.52	0	0	0	0.27
2002	285	23	3	356.524	-356.959	D	8.806	8.805	0	6.083	93.03	3.93	0	0	0	1.73
2002	286	23	1039	356.522	-357.599	D	7.501	7.501	0	3.103	95.48	3.12	0	0	0	1.25
2002	287	23	1	356.546	-357.458	D	6.528	6.528	0	1.12	0	0	0	0	0	0
2002	288	23	737	364.981	-357.086	D	6.504	6.504	0	1.074	81.56	1.23	0	0	0	15.99
2002	289	23	1	356.546	-357.458	D	6.563	6.563	0	1.188	12.32	0.04	0	0	0	0.47
2002	290	23	1	356.546	-357.458	D	9.093	9.093	0	6.795	0	0	0	0	0	0
2002	291	23	1	356.546	-357.458	D	6.672	6.672	0	1.402	97.31	0.72	0	0	0	1.99
2002	292	23	901	364.256	-360.039	D	9.449	9.446	0.003	7.694	95.47	3.71	0	0	0	0.82
2002	293	23	852	361.595	-362.148	D	7.745	7.745	0	3.631	97.06	1.83	0	0	0	0.58

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	294	23	810	357.434	-360.005	D	6.776	6.776	0	1.608	97.03	0.76	0	0	0	1.33
2002	295	23	15	357.659	-360.155	D	6.841	6.841	0	1.736	96.73	0.48	0	0	0	1.02
2002	296	23	15	357.659	-360.155	D	6.806	6.806	0	1.668	90.35	0.2	0	0	0	1.05
2002	297	23	1	356.546	-357.458	D	6.678	6.678	0	1.413	0	0	0	0	0	0
2002	298	23	1035	356.477	-356.792	D	9.188	9.184	0.004	7.023	94.67	4.44	0	0	0	0.92
2002	299	23	927	365.912	-357.454	D	8.955	8.911	0.043	6.342	94.74	4.54	0	0	0	0.71
2002	300	23	832	359.493	-362.061	D	8.96	8.956	0.005	6.451	97.74	1.67	0	0	0	0.59
2002	301	23	1035	356.477	-356.792	D	10.183	10.176	0.007	9.662	98.31	1.46	0	0	0	0.22
2002	302	23	811	357.434	-360.225	D	9.756	9.753	0.003	8.504	98.49	1.32	0	0	0	0.21
2002	303	23	44	358.21	-361.379	D	8.512	8.512	0	5.377	98.9	0.36	0	0	0	0.23
2002	304	23	44	358.21	-361.379	D	8.981	8.981	0	6.516	97.13	2.62	0	0	0	0.32
2002	305	23	1	356.546	-357.458	D	7.915	7.915	0	4.007	0	0	0	0	0	0
2002	306	23	1002	359.309	-354.73	D	7.563	7.559	0.004	3.229	92.22	5.66	0	0	0	2.09
2002	307	23	643	363.609	-354.151	D	10.114	10.113	0.002	9.486	95.11	4.18	0	0	0	0.38
2002	308	23	947	365.801	-355.162	D	9.162	9.16	0.002	6.962	96.63	2.94	0	0	0	0.38
2002	309	23	948	365.727	-355.056	D	9.131	9.129	0.003	6.883	97.11	2.51	0	0	0	0.29
2002	310	23	949	365.722	-354.966	D	7.885	7.879	0.006	3.927	96.03	3.33	0	0	0	0.66
2002	311	23	356	361.22	-361.995	D	6.548	6.548	0	1.159	93.6	0.96	0	0	0	2.23
2002	312	23	1	356.546	-357.458	D	6.657	6.657	0	1.373	19.67	0.25	0	0	0	0.32
2002	313	23	1	356.546	-357.458	D	8.478	8.478	0	5.298	0	0	0	0	0	0
2002	314	23	594	363.123	-354.422	D	8.617	8.617	0	5.629	32.94	0.38	0	0	0	3.19
2002	315	23	949	365.722	-354.966	D	6.856	6.855	0.001	1.765	89.96	3.32	0	0	0	6.43
2002	316	23	16	357.648	-359.906	D	6.715	6.715	0.001	1.486	84.46	7.4	0	0	0	7.94
2002	317	23	44	358.21	-361.379	D	6.644	6.644	0	1.346	82.51	3.75	0	0	0	9.49
2002	318	23	1	356.546	-357.458	D	6.68	6.68	0	1.417	0	0	0	0	0	0
2002	319	23	10	356.954	-355.443	D	9.327	9.326	0.001	7.384	92.42	6.87	0	0	0	0.64
2002	320	23	255	360.129	-359.796	D	9.09	9.09	0	6.786	37.72	2.56	0	0	0	3.91
2002	321	23	747	364.871	-354.594	D	6.786	6.786	0	1.627	84.47	9.98	0	0	0	5.07
2002	322	23	617	363.382	-354.66	D	7.027	7.027	0	2.114	71.28	3.81	0	0	0	3.32
2002	323	23	822	358.021	-361.607	D	6.942	6.939	0.003	1.934	81.74	9.85	0	0	0	8.42
2002	324	23	929	366.032	-357.239	D	6.495	6.495	0	1.056	89.33	2.5	0	0	0	9.22
2002	325	23	594	363.123	-354.422	D	6.652	6.652	0	1.362	84.66	2.36	0	0	0	11.82
2002	326	23	10	356.954	-355.443	D	7.086	7.086	0	2.233	82.67	5.25	0	0	0	11.43
2002	327	23	927	365.912	-357.454	D	6.558	6.558	0.001	1.178	86.1	6.65	0	0	0	7.04
2002	328	23	10	356.954	-355.443	D	6.617	6.617	0	1.293	86.74	2.77	0	0	0	4.65
2002	329	23	596	363.613	-359.892	D	6.97	6.97	0	1.997	93.56	4.4	0	0	0	1.45
2002	330	23	1	356.546	-357.458	D	6.582	6.582	0	1.225	86.62	5.96	0	0	0	7.23
2002	331	23	1035	356.477	-356.792	D	6.922	6.922	0	1.9	85.93	5.23	0	0	0	4.14
2002	332	23	84	358.173	-354.889	D	6.594	6.594	0	1.249	91.64	3.83	0	0	0	3.37

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	333	23	247	360.217	-361.79	D	6.601	6.601	0	1.263	92.8	2.35	0	0	0	3.29
2002	334	23	947	365.801	-355.162	D	6.713	6.713	0	1.482	72.01	10.86	0	0	0	17.02
2002	335	23	949	365.722	-354.966	D	6.511	6.511	0	1.087	68.97	14.24	0	0	0	16.68
2002	336	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2002	337	23	1017	356.894	-355.206	D	6.872	6.872	0	1.8	82.94	10.67	0	0	0	6.42
2002	338	23	1	356.546	-357.458	D	9.947	9.947	0	9.028	0	0	0	0	0	0
2002	339	23	1017	356.894	-355.206	D	8.163	8.163	0	4.566	90.12	8.72	0	0	0	3.31
2002	340	23	786	365.973	-357.042	D	9.24	9.238	0.003	7.159	90.66	8.23	0	0	0	1.1
2002	341	23	929	366.032	-357.239	D	7.38	7.38	0	2.845	95.92	5.63	0	0	0	2.27
2002	342	23	643	363.609	-354.151	D	8.164	8.164	0.001	4.568	95.76	3.6	0	0	0	0.53
2002	343	23	1017	356.894	-355.206	D	8.246	8.243	0.004	4.749	95.88	3.71	0	0	0	0.37
2002	344	23	3	356.524	-356.959	D	6.865	6.864	0	1.784	95.47	2.85	0	0	0	1.22
2002	345	23	10	356.954	-355.443	D	8.113	8.112	0	4.451	96.8	2.5	0	0	0	0.43
2002	346	23	406	361.15	-354.758	D	7.59	7.59	0	3.295	95.89	1.9	0	0	0	0.54
2002	347	23	1035	356.477	-356.792	D	9.016	9.015	0	6.599	97.3	2.27	0	0	0	0.49
2002	348	23	822	358.021	-361.607	D	9.524	9.513	0.011	7.869	95.32	4.04	0	0	0	0.6
2002	349	23	930	366.19	-357.232	D	7.206	7.206	0	2.482	96.71	2.12	0	0	0	1.15
2002	350	23	1	356.546	-357.458	D	8.634	8.634	0	5.669	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	9.503	9.503	0	7.844	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	9.613	9.613	0	8.133	0	0	0	0	0	0
2002	353	23	784	365.648	-355.309	D	7.835	7.835	0	3.83	89.64	4.85	0	0	0	2.07
2002	354	23	1	356.546	-357.458	D	6.719	6.719	0	1.494	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	6.506	6.506	0	1.077	0	0	0	0	0	0
2002	356	23	255	360.129	-359.796	D	7.216	7.215	0.001	2.501	75.23	17.27	0	0	0	7.46
2002	357	23	61	357.936	-355.15	D	7.34	7.34	0	2.761	86.27	9.51	0	0	0	1.57
2002	358	23	10	356.954	-355.443	D	9.58	9.579	0.001	8.042	87.52	11.69	0	0	0	0.81
2002	359	23	933	366.169	-356.524	D	7.348	7.347	0.001	2.776	72.32	17.93	0	0	0	9.66
2002	360	23	1	356.546	-357.458	D	7.523	7.523	0	3.15	0	0	0	0	0	0
2002	361	23	619	363.872	-360.131	D	7.123	7.123	0	2.309	52.04	3.07	0	0	0	0.91
2002	362	23	1	356.546	-357.458	D	7.157	7.157	0	2.381	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	9.404	9.404	0	7.586	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	8.602	8.6	0.002	5.587	93.95	5.34	0	0	0	0.68
									0.055							
TRIGEN KC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1035	356.477	-356.792	D	6.913	6.912	0.001	1.879	88.99	9.65	0	0	0	1.21

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	2	23	1038	356.511	-357.396	D	6.861	6.838	0.024	1.731	92.31	7.1	0	0	0	0.57
2002	3	23	1017	356.894	-355.206	D	7.278	7.261	0.016	2.596	92.81	6.86	0	0	0	0.33
2002	4	23	927	365.912	-357.454	D	6.833	6.831	0.002	1.716	95.31	4.35	0	0	0	0.31
2002	5	23	929	366.032	-357.239	D	7.1	7.1	0	2.262	94.25	3.31	0	0	0	0.17
2002	6	23	103	358.476	-356.124	D	9.678	9.639	0.039	8.201	93.63	6.22	0	0	0	0.15
2002	7	23	1017	356.894	-355.206	D	7.8	7.799	0	3.751	91.23	7.86	0	0	0	0.64
2002	8	23	643	363.609	-354.151	D	6.847	6.846	0.001	1.747	91.93	7.59	0	0	0	0.46
2002	9	23	1	356.546	-357.458	D	6.822	6.822	0	1.699	0	0	0	0	0	0
2002	10	23	1017	356.894	-355.206	D	8.473	8.454	0.02	5.24	96.59	3.3	0	0	0	0.09
2002	11	23	1039	356.522	-357.599	D	7.554	7.545	0.008	3.198	86.69	12.5	0	0	0	0.79
2002	12	23	930	366.19	-357.232	D	6.785	6.785	0.001	1.625	94.99	4.49	0	0	0	0.7
2002	13	23	789	365.918	-355.796	D	7.076	7.076	0	2.212	90.36	4	0	0	0	0.65
2002	14	23	1	356.546	-357.458	D	7.035	7.035	0	2.129	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	6.685	6.685	0	1.428	0	0	0	0	0	0
2002	16	23	929	366.032	-357.239	D	6.621	6.621	0	1.301	92.22	5.46	0	0	0	0.46
2002	17	23	822	358.021	-361.607	D	6.918	6.913	0.005	1.882	89.33	9.71	0	0	0	0.92
2002	18	23	1017	356.894	-355.206	D	8.842	8.836	0.006	6.158	91.55	8.31	0	0	0	0.1
2002	19	23	996	360.121	-355.113	D	9.16	9.148	0.012	6.931	96.56	3.34	0	0	0	0.1
2002	20	23	949	365.722	-354.966	D	9.545	9.371	0.174	7.5	96.06	3.9	0	0	0	0.04
2002	21	23	643	363.609	-354.151	D	7.385	7.385	0	2.856	97.35	2.53	0	0	0	0.05
2002	22	23	1	356.546	-357.458	D	6.995	6.995	0	2.048	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	24	23	949	365.722	-354.966	D	9.214	9.204	0.01	7.073	97	2.96	0	0	0	0.03
2002	25	23	836	360.07	-362.066	D	6.938	6.935	0.003	1.926	92.54	7	0	0	0	0.47
2002	26	23	710	364.843	-359.589	D	6.728	6.728	0	1.512	94.39	2.31	0	0	0	0.32
2002	27	23	247	360.217	-361.79	D	6.619	6.619	0	1.298	86.38	1.27	0	0	0	0.33
2002	28	23	1	356.546	-357.458	D	6.928	6.928	0	1.913	0	0	0	0	0	0
2002	29	23	1017	356.894	-355.206	D	9.145	9.139	0.006	6.909	95.27	4.67	0	0	0	0.05
2002	30	23	1017	356.894	-355.206	D	10.185	9.985	0.2	9.134	95.87	4.09	0	0	0	0.04
2002	31	23	836	360.07	-362.066	D	10.263	10.14	0.123	9.561	97.57	2.4	0	0	0	0.02
2002	32	23	949	365.722	-354.966	D	7.467	7.456	0.011	3.007	96.92	3.04	0	0	0	0.03
2002	33	23	786	365.973	-357.042	D	6.973	6.972	0.001	2.001	96.6	2.9	0	0	0	0.34
2002	34	23	786	365.973	-357.042	D	6.88	6.88	0	1.815	97.08	2.49	0	0	0	0.2
2002	35	23	933	366.169	-356.524	D	7.109	7.105	0.004	2.274	85.99	12.92	0	0	0	1.08
2002	36	23	257	360.107	-359.298	D	6.613	6.613	0	1.285	14.11	0.69	0	0	0	0.09
2002	37	23	1	356.546	-357.458	D	9.286	9.286	0	7.281	95.45	3.54	0	0	0	0.05
2002	38	23	949	365.722	-354.966	D	9.379	9.367	0.012	7.49	96.72	3.06	0	0	0	0.2
2002	39	23	927	365.912	-357.454	D	8.445	8.44	0.005	5.208	97.41	2.47	0	0	0	0.09
2002	40	23	642	363.62	-354.4	D	9.075	9.075	0	6.748	98.65	1.25	0	0	0	0.02

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	41	23	1007	358.259	-354.768	D	8.272	8.26	0.012	4.79	96.71	2.96	0	0	0	0.33
2002	42	23	822	358.021	-361.607	D	7.661	7.654	0.006	3.434	96.22	3.54	0	0	0	0.25
2002	43	23	822	358.021	-361.607	D	6.607	6.606	0.002	1.272	94.35	4.48	0	0	0	1.23
2002	44	23	16	357.648	-359.906	D	6.667	6.666	0	1.391	93.73	4.74	0	0	0	1.14
2002	45	23	1017	356.894	-355.206	D	6.587	6.584	0.004	1.229	93.26	6.14	0	0	0	0.62
2002	46	23	949	365.722	-354.966	D	6.854	6.854	0	1.763	95.06	3.65	0	0	0	1.2
2002	47	23	941	365.977	-355.774	D	6.647	6.646	0	1.352	94.86	3.44	0	0	0	0.83
2002	48	23	821	358.053	-361.416	D	6.559	6.558	0.001	1.178	88.61	9.01	0	0	0	2.33
2002	49	23	1	356.546	-357.458	D	6.613	6.612	0.001	1.284	95.87	3.52	0	0	0	0.49
2002	50	23	1	356.546	-357.458	D	8.514	8.514	0	5.384	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	8.973	8.973	0	6.495	0	0	0	0	0	0
2002	52	23	747	364.871	-354.594	D	7.089	7.089	0.001	2.239	95.85	2.67	0	0	0	1.4
2002	53	23	809	357.432	-359.845	D	6.966	6.964	0.001	1.986	92.97	5.54	0	0	0	1.42
2002	54	23	3	356.524	-356.959	D	6.631	6.629	0.002	1.317	94.73	4.76	0	0	0	0.46
2002	55	23	786	365.973	-357.042	D	6.8	6.799	0.001	1.653	97.33	2.47	0	0	0	0.22
2002	56	23	930	366.19	-357.232	D	7.882	7.879	0.003	3.927	91.7	8	0	0	0	0.26
2002	57	23	1	356.546	-357.458	D	7.673	7.67	0.002	3.468	80.01	18.74	0	0	0	1.23
2002	58	23	1	356.546	-357.458	D	6.762	6.762	0	1.579	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	6.499	6.499	0	1.064	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.718	7.718	0	3.573	0	0	0	0	0	0
2002	61	23	836	360.07	-362.066	D	9.59	9.55	0.04	7.966	92.9	6.99	0	0	0	0.11
2002	62	23	949	365.722	-354.966	D	7.298	7.291	0.007	2.659	90.76	8.52	0	0	0	0.72
2002	63	23	1	356.546	-357.458	D	7.413	7.413	0	2.917	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	6.942	6.942	0	1.941	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	9.291	9.291	0	7.295	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	8.946	8.946	0	6.427	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	8.713	8.713	0	5.859	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.022	7.022	0	2.104	0	0	0	0	0	0
2002	70	23	192	359.721	-361.812	D	7.13	7.129	0.001	2.322	94.03	5.48	0	0	0	0.33
2002	71	23	3	356.524	-356.959	D	9.281	9.281	0	7.27	97.92	0.48	0	0	0	0.37
2002	72	23	853	361.666	-362.175	D	7.048	7.042	0.006	2.143	97.63	2.16	0	0	0	0.21
2002	73	23	933	366.169	-356.524	D	8.198	8.197	0.001	4.645	99.22	0.71	0	0	0	0.11
2002	74	23	219	359.98	-362.05	D	8.931	8.927	0.004	6.381	93.33	6.38	0	0	0	0.26
2002	75	23	1	356.546	-357.458	D	7.621	7.621	0	3.362	0	0	0	0	0	0
2002	76	23	906	364.982	-359.812	D	8.26	8.26	0	4.79	97.29	2.14	0	0	0	0.02
2002	77	23	930	366.19	-357.232	D	9.111	9.111	0	6.838	90.64	1.02	0	0	0	0.04
2002	78	23	753	365.24	-357.324	D	10.218	10.218	0	9.779	97.83	1.22	0	0	0	0.01
2002	79	23	1035	356.477	-356.792	D	9.252	9.252	0	7.195	97.85	1.33	0	0	0	0.01

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	80	23	930	366.19	-357.232	D	7.99	7.976	0.014	4.143	93.82	5.97	0	0	0	0.22
2002	81	23	1017	356.894	-355.206	D	6.486	6.485	0.001	1.038	90.77	7.85	0	0	0	1.32
2002	82	23	1008	358.048	-354.775	D	6.65	6.646	0.005	1.35	93.17	6.32	0	0	0	0.47
2002	83	23	772	365.411	-355.569	D	8	8	0	4.197	96.99	1.69	0	0	0	0.14
2002	84	23	974	362.281	-354.249	D	10.22	10.218	0.002	9.779	97.6	2.2	0	0	0	0.01
2002	85	23	963	363.809	-354.192	D	8.485	8.482	0.003	5.307	98.03	1.88	0	0	0	0.01
2002	86	23	1017	356.894	-355.206	D	7.717	7.696	0.021	3.525	97.18	2.74	0	0	0	0.08
2002	87	23	1017	356.894	-355.206	D	7.322	7.322	0	2.724	98.88	0.8	0	0	0	0.13
2002	88	23	1017	356.894	-355.206	D	8.4	8.397	0.003	5.108	99.42	0.45	0	0	0	0.15
2002	89	23	836	360.07	-362.066	D	7.42	7.42	0.001	2.93	99.65	0.29	0	0	0	0.1
2002	90	23	1017	356.894	-355.206	D	7.087	7.087	0	2.236	98.62	0.35	0	0	0	0.83
2002	91	23	643	363.609	-354.151	D	6.646	6.641	0.005	1.34	97.25	2.14	0	0	0	0.59
2002	92	23	1035	356.477	-356.792	D	7.451	7.431	0.02	2.954	97.87	1.91	0	0	0	0.21
2002	93	23	1	356.546	-357.458	D	6.652	6.652	0	1.363	0	0	0	0	0	0
2002	94	23	1	356.546	-357.458	D	6.542	6.542	0	1.147	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	6.515	6.515	0	1.096	0	0	0	0	0	0
2002	96	23	949	365.722	-354.966	D	6.529	6.528	0.001	1.121	98.78	0.89	0	0	0	0.32
2002	97	23	930	366.19	-357.232	D	7.974	7.974	0	4.139	98.42	0.64	0	0	0	0.17
2002	98	23	1	356.546	-357.458	D	10.042	10.042	0	9.289	0	0	0	0	0	0
2002	99	23	811	357.434	-360.225	D	9.147	9.14	0.007	6.911	97.88	2.08	0	0	0	0.03
2002	100	23	1	356.546	-357.458	D	7.423	7.423	0	2.936	0	0	0	0	0	0
2002	101	23	1	356.546	-357.458	D	6.905	6.905	0	1.865	0	0	0	0	0	0
2002	102	23	1007	358.259	-354.768	D	7.411	7.41	0	2.91	99.32	0.36	0	0	0	0.09
2002	103	23	1008	358.048	-354.775	D	9.779	9.738	0.04	8.465	98.06	1.9	0	0	0	0.04
2002	104	23	1008	358.048	-354.775	D	9.333	9.329	0.005	7.392	99.48	0.45	0	0	0	0.02
2002	105	23	1	356.546	-357.458	D	8.09	8.09	0	4.401	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.575	7.575	0	3.262	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.511	7.511	0	3.124	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	8.475	8.475	0	5.29	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.611	7.611	0	3.34	0	0	0	0	0	0
2002	110	23	964	363.678	-354.148	D	9.526	9.512	0.015	7.867	98.59	1.33	0	0	0	0.08
2002	111	23	974	362.281	-354.249	D	9.468	9.438	0.03	7.675	98.86	1.1	0	0	0	0.05
2002	112	23	961	364.092	-354.289	D	6.944	6.942	0.002	1.941	98.99	0.42	0	0	0	0.52
2002	113	23	947	365.801	-355.162	D	6.973	6.968	0.005	1.992	99.36	0.47	0	0	0	0.17
2002	114	23	933	366.169	-356.524	D	8.32	8.318	0.002	4.923	99.37	0.5	0	0	0	0.16
2002	115	23	191	359.732	-362.061	D	6.747	6.747	0	1.549	49.72	0.25	0	0	0	0.1
2002	116	23	964	363.678	-354.148	D	8.17	8.168	0.002	4.578	97.94	1.91	0	0	0	0.05
2002	117	23	1	356.546	-357.458	D	8.287	8.287	0	4.852	0	0	0	0	0	0
2002	118	23	1	356.546	-357.458	D	8.205	8.205	0	4.662	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	119	23	949	365.722	-354.966	D	6.806	6.797	0.009	1.65	97.83	1.85	0	0	0	0.3
2002	120	23	1017	356.894	-355.206	D	7.866	7.862	0.003	3.89	99.78	0.11	0	0	0	0.11
2002	121	23	643	363.609	-354.151	D	9.364	9.364	0	7.482	98.5	0.15	0	0	0	0.02
2002	122	23	1035	356.477	-356.792	D	8.548	8.426	0.122	5.176	97.76	2.2	0	0	0	0.04
2002	123	23	822	358.021	-361.607	D	6.978	6.975	0.003	2.007	99.68	0.23	0	0	0	0.1
2002	124	23	822	358.021	-361.607	D	7.398	7.379	0.019	2.844	99.36	0.6	0	0	0	0.04
2002	125	23	832	359.493	-362.061	D	8.355	8.336	0.019	4.966	99.62	0.35	0	0	0	0.02
2002	126	23	997	359.928	-355.117	D	8.359	8.355	0.004	5.01	99.92	0.05	0	0	0	0.02
2002	127	23	1	356.546	-357.458	D	8.856	8.856	0	6.205	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	9.261	9.261	0	7.218	0	0	0	0	0	0
2002	129	23	930	366.19	-357.232	D	8.053	8.051	0.001	4.313	89.77	9.97	0	0	0	0.28
2002	130	23	1017	356.894	-355.206	D	6.627	6.624	0.003	1.308	98.32	1.17	0	0	0	0.51
2002	131	23	162	358.917	-354.857	D	7.831	7.831	0	3.821	99.21	0.39	0	0	0	0.04
2002	132	23	1	356.546	-357.458	D	9.673	9.673	0	8.29	0	0	0	0	0	0
2002	133	23	949	365.722	-354.966	D	8.646	8.601	0.044	5.59	97.82	2.15	0	0	0	0.02
2002	134	23	947	365.801	-355.162	D	6.868	6.866	0.002	1.786	95.56	3.56	0	0	0	0.77
2002	135	23	927	365.912	-357.454	D	6.778	6.777	0.002	1.609	99.57	0.26	0	0	0	0.17
2002	136	23	226	359.903	-360.306	D	7.379	7.379	0	2.843	36.11	0.01	0	0	0	0.04
2002	137	23	1	356.546	-357.458	D	9.931	9.931	0	8.986	83.86	1.08	0	0	0	0.02
2002	138	23	1	356.546	-357.458	D	8.347	8.347	0	4.991	0	0	0	0	0	0
2002	139	23	1039	356.522	-357.599	D	6.82	6.817	0.003	1.69	99.21	0.26	0	0	0	0.55
2002	140	23	219	359.98	-362.05	D	6.812	6.789	0.022	1.634	98.41	1.35	0	0	0	0.24
2002	141	23	822	358.021	-361.607	D	6.721	6.719	0.002	1.495	99.59	0.19	0	0	0	0.19
2002	142	23	3	356.524	-356.959	D	6.763	6.761	0.002	1.577	99.64	0.17	0	0	0	0.11
2002	143	23	1	356.546	-357.458	D	6.755	6.755	0	1.566	0	0	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.37	7.37	0	2.825	0	0	0	0	0	0
2002	145	23	811	357.434	-360.225	D	8.256	8.241	0.015	4.745	99.59	0.26	0	0	0	0.14
2002	146	23	907	365.051	-359.809	D	7.827	7.813	0.014	3.781	99.45	0.5	0	0	0	0.06
2002	147	23	933	366.169	-356.524	D	8.73	8.727	0.003	5.892	99.69	0.26	0	0	0	0.02
2002	148	23	1	356.546	-357.458	D	9.172	9.172	0	6.994	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	8.424	8.424	0	5.172	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.061	7.061	0	2.182	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.196	7.196	0	2.462	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.677	7.677	0	3.483	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.825	7.825	0	3.807	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.059	7.059	0	2.178	0	0	0	0	0	0
2002	156	23	1017	356.894	-355.206	D	8.723	8.721	0.002	5.878	99.88	0.1	0	0	0	0.06
2002	157	23	836	360.07	-362.066	D	8.355	8.346	0.009	4.99	99.42	0.53	0	0	0	0.05

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	158	23	1017	356.894	-355.206	D	6.887	6.887	0	1.829	99.54	0.06	0	0	0	0.2
2002	159	23	1	356.546	-357.458	D	6.884	6.884	0	1.824	99.46	0.03	0	0	0	0.07
2002	160	23	10	356.954	-355.443	D	7.431	7.431	0	2.953	77.32	0	0	0	0	0.06
2002	161	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	8.492	8.492	0	5.332	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	8.522	8.522	0	5.401	0	0	0	0	0	0
2002	164	23	966	363.538	-354.124	D	7.94	7.939	0.001	4.06	99.77	0.01	0	0	0	0.18
2002	165	23	1039	356.522	-357.599	D	7.213	7.184	0.029	2.435	99.69	0.21	0	0	0	0.11
2002	166	23	768	365.455	-356.566	D	6.701	6.698	0.003	1.453	98	0.87	0	0	0	1.09
2002	167	23	961	364.092	-354.289	D	6.635	6.635	0	1.328	97.14	0.03	0	0	0	0.45
2002	168	23	822	358.021	-361.607	D	6.912	6.906	0.006	1.868	99.67	0.12	0	0	0	0.2
2002	169	23	930	366.19	-357.232	D	6.762	6.755	0.007	1.566	99.8	0.04	0	0	0	0.16
2002	170	23	949	365.722	-354.966	D	7.025	7.021	0.004	2.101	99.84	0.06	0	0	0	0.09
2002	171	23	929	366.032	-357.239	D	7.604	7.604	0	3.324	95.13	0.01	0	0	0	0.12
2002	172	23	1	356.546	-357.458	D	7.907	7.907	0	3.989	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.545	7.545	0	3.198	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.039	7.039	0	2.137	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.036	7.036	0	2.132	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.974	7.974	0	4.138	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.864	7.864	0	3.894	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	8.442	8.442	0	5.214	0	0	0	0	0	0
2002	179	23	949	365.722	-354.966	D	7.413	7.411	0.003	2.911	99.65	0.24	0	0	0	0.11
2002	180	23	949	365.722	-354.966	D	7.273	7.27	0.004	2.615	99.84	0.09	0	0	0	0.08
2002	181	23	785	365.637	-355.06	D	7.403	7.403	0	2.894	98.01	0	0	0	0	0.1
2002	182	23	1	356.546	-357.458	D	6.828	6.828	0	1.711	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	6.708	6.708	0	1.473	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	8.242	8.242	0	4.747	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.384	7.384	0	2.854	0	0	0	0	0	0
2002	186	23	1	356.546	-357.458	D	7.853	7.853	0	3.87	0	0	0	0	0	0
2002	187	23	1	356.546	-357.458	D	7.187	7.187	0	2.442	0	0	0	0	0	0
2002	188	23	1	356.546	-357.458	D	7.458	7.458	0	3.011	0	0	0	0	0	0
2002	189	23	1	356.546	-357.458	D	6.792	6.792	0	1.64	0	0	0	0	0	0
2002	190	23	1	356.546	-357.458	D	6.779	6.779	0	1.613	0	0	0	0	0	0
2002	191	23	1	356.546	-357.458	D	7.115	7.115	0	2.294	0	0	0	0	0	0
2002	192	23	930	366.19	-357.232	D	7.923	7.919	0.005	4.015	99.33	0.59	0	0	0	0.07
2002	193	23	907	365.051	-359.809	D	8.489	8.479	0.01	5.3	99.76	0.17	0	0	0	0.04
2002	194	23	907	365.051	-359.809	D	9.209	9.203	0.007	7.07	99.54	0.41	0	0	0	0.02
2002	195	23	407	361.716	-361.973	D	8.646	8.645	0.001	5.695	99.86	0.07	0	0	0	0.02
2002	196	23	853	361.666	-362.175	D	7.242	7.242	0	2.555	98.43	0.18	0	0	0	0.06

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	197	23	456	362.114	-359.709	D	7.113	7.113	0	2.288	98.14	0.02	0	0	0	0.05
2002	198	23	670	364.324	-359.112	D	8.612	8.612	0	5.616	97.73	0.03	0	0	0	0.02
2002	199	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	9.235	9.235	0	7.153	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	8.2	8.2	0	4.651	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	8.243	8.243	0	4.751	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.104	7.104	0	2.27	0	0	0	0	0	0
2002	204	23	964	363.678	-354.148	D	7.482	7.476	0.006	3.05	99.56	0.31	0	0	0	0.13
2002	205	23	853	361.666	-362.175	D	6.954	6.95	0.004	1.956	99.85	0.05	0	0	0	0.1
2002	206	23	822	358.021	-361.607	D	7.135	7.134	0.001	2.333	99.7	0.09	0	0	0	0.09
2002	207	23	930	366.19	-357.232	D	7.361	7.356	0.005	2.796	99.9	0.03	0	0	0	0.05
2002	208	23	785	365.637	-355.06	D	7.48	7.48	0.001	3.058	99.73	0.04	0	0	0	0.06
2002	209	23	1	356.546	-357.458	D	7.228	7.228	0	2.528	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.898	7.898	0	3.969	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.793	7.793	0	3.737	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.19	7.19	0	2.449	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.191	7.191	0	2.45	0	0	0	0	0	0
2002	214	23	1017	356.894	-355.206	D	7.459	7.458	0.001	3.011	99.91	0	0	0	0	0.08
2002	215	23	1008	358.048	-354.775	D	7.448	7.448	0	2.99	99.77	0.02	0	0	0	0.08
2002	216	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.287	7.287	0	2.651	0	0	0	0	0	0
2002	218	23	1017	356.894	-355.206	D	6.861	6.861	0	1.777	99.44	0.08	0	0	0	0.11
2002	219	23	1017	356.894	-355.206	D	8.732	8.732	0	5.904	99.66	0.06	0	0	0	0.03
2002	220	23	1	356.546	-357.458	D	6.723	6.723	0	1.503	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	6.684	6.684	0	1.425	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	6.853	6.853	0	1.762	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.168	7.168	0	2.402	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.094	7.094	0	2.251	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	9.125	9.125	0	6.875	0	0	0	0	0	0
2002	226	23	1006	358.469	-354.76	D	9.598	9.597	0.001	8.09	99.61	0.09	0	0	0	0.09
2002	227	23	1005	358.679	-354.752	D	8.49	8.49	0	5.327	99.69	0.03	0	0	0	0.07
2002	228	23	1	356.546	-357.458	D	8.55	8.55	0	5.468	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	8.018	8.018	0	4.237	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	8.407	8.407	0	5.131	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.437	7.437	0	2.967	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.015	7.015	0	2.089	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.361	7.361	0	2.805	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.811	7.811	0	3.777	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	236	23	1017	356.894	-355.206	D	7.965	7.915	0.049	4.008	98.89	0.99	0	0	0	0.11
2002	237	23	853	361.666	-362.175	D	7.789	7.787	0.002	3.724	99.72	0.12	0	0	0	0.1
2002	238	23	1	356.546	-357.458	D	7.375	7.375	0	2.835	0	0	0	0	0	0
2002	239	23	1	356.546	-357.458	D	6.915	6.915	0	1.887	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.329	7.329	0	2.739	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.135	7.135	0	2.334	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	6.944	6.944	0	1.945	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.131	7.131	0	2.327	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.078	7.078	0	2.217	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.006	7.006	0	2.07	0	0	0	0	0	0
2002	247	23	967	363.478	-354.116	D	7.017	7.016	0.001	2.09	99.55	0.08	0	0	0	0.26
2002	248	23	1017	356.894	-355.206	D	7.034	7.033	0.001	2.125	99.85	0.02	0	0	0	0.15
2002	249	23	1	356.546	-357.458	D	6.766	6.766	0	1.587	97.15	0.01	0	0	0	0.14
2002	250	23	1	356.546	-357.458	D	6.715	6.715	0	1.487	0	0	0	0	0	0
2002	251	23	1	356.546	-357.458	D	8.576	8.576	0	5.53	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.266	7.266	0	2.606	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.027	7.027	0	2.114	0	0	0	0	0	0
2002	254	23	907	365.051	-359.809	D	7.513	7.489	0.024	3.078	97.88	1.98	0	0	0	0.13
2002	255	23	1	356.546	-357.458	D	7.113	7.113	0	2.288	0	0	0	0	0	0
2002	256	23	1	356.546	-357.458	D	6.623	6.623	0	1.306	100.39	0.01	0	0	0	0.26
2002	257	23	10	356.954	-355.443	D	6.68	6.68	0	1.417	99	0.04	0	0	0	0.15
2002	258	23	1017	356.894	-355.206	D	8.054	8.041	0.013	4.289	99.06	0.81	0	0	0	0.12
2002	259	23	907	365.051	-359.809	D	8.176	8.127	0.049	4.485	99.52	0.42	0	0	0	0.06
2002	260	23	996	360.121	-355.113	D	7.759	7.712	0.047	3.559	99.71	0.23	0	0	0	0.06
2002	261	23	949	365.722	-354.966	D	8.109	8.108	0.002	4.441	99.59	0.28	0	0	0	0.06
2002	262	23	1	356.546	-357.458	D	9.072	9.072	0	6.74	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	9.195	9.195	0	7.052	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	6.755	6.755	0	1.565	0	0	0	0	0	0
2002	265	23	1035	356.477	-356.792	D	6.738	6.734	0.004	1.525	99.46	0.39	0	0	0	0.17
2002	266	23	1017	356.894	-355.206	D	6.581	6.581	0	1.224	94.74	2.75	0	0	0	1.31
2002	267	23	643	363.609	-354.151	D	6.529	6.526	0.002	1.117	99.1	0.36	0	0	0	0.49
2002	268	23	1008	358.048	-354.775	D	6.776	6.774	0.003	1.603	99.57	0.18	0	0	0	0.23
2002	269	23	1	356.546	-357.458	D	6.932	6.932	0	1.92	0	0	0	0	0	0
2002	270	23	1035	356.477	-356.792	D	7.363	7.361	0.002	2.805	99.56	0.03	0	0	0	0.45
2002	271	23	1017	356.894	-355.206	D	6.776	6.76	0.016	1.575	99.6	0.19	0	0	0	0.21
2002	272	23	1	356.546	-357.458	D	7.34	7.34	0	2.762	42.26	0.01	0	0	0	0.08
2002	273	23	1	356.546	-357.458	D	7.674	7.674	0	3.476	0	0	0	0	0	0
2002	274	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	275	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.413	7.413	0	2.915	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	9.122	9.122	0	6.867	0	0	0	0	0	0
2002	278	23	941	365.977	-355.774	D	7.103	7.102	0.001	2.266	87.17	12.09	0	0	0	0.78
2002	279	23	852	361.595	-362.148	D	6.727	6.726	0.001	1.507	99.37	0.39	0	0	0	0.26
2002	280	23	1035	356.477	-356.792	D	6.704	6.702	0.002	1.462	98.19	0.97	0	0	0	0.79
2002	281	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2002	282	23	247	360.217	-361.79	D	8.807	8.807	0	6.086	81.68	0.55	0	0	0	0.02
2002	283	23	941	365.977	-355.774	D	9.537	9.537	0.001	7.932	98.33	0.54	0	0	0	0.02
2002	284	23	852	361.595	-362.148	D	8.635	8.634	0	5.67	98.24	0.33	0	0	0	0.02
2002	285	23	1017	356.894	-355.206	D	8.806	8.805	0	6.083	96.98	1.96	0	0	0	0.14
2002	286	23	928	365.945	-357.303	D	7.517	7.5	0.017	3.101	98.54	1.37	0	0	0	0.09
2002	287	23	1	356.546	-357.458	D	6.528	6.528	0	1.12	0	0	0	0	0	0
2002	288	23	947	365.801	-355.162	D	6.505	6.504	0.001	1.074	96.63	1.7	0	0	0	1.58
2002	289	23	1	356.546	-357.458	D	6.563	6.563	0	1.188	71.33	0.1	0	0	0	0.2
2002	290	23	247	360.217	-361.79	D	9.09	9.09	0	6.786	125.52	0.18	0	0	0	0.4
2002	291	23	906	364.982	-359.812	D	6.68	6.678	0.001	1.414	99.48	0.38	0	0	0	0.19
2002	292	23	1017	356.894	-355.206	D	9.45	9.439	0.012	7.676	93.13	6.74	0	0	0	0.1
2002	293	23	853	361.666	-362.175	D	7.746	7.745	0.002	3.631	98.25	1.74	0	0	0	0.05
2002	294	23	822	358.021	-361.607	D	6.777	6.776	0.001	1.608	98.85	0.69	0	0	0	0.11
2002	295	23	822	358.021	-361.607	D	6.841	6.841	0.001	1.736	99.16	0.43	0	0	0	0.08
2002	296	23	15	357.659	-360.155	D	6.807	6.806	0	1.668	99.23	0.25	0	0	0	0.08
2002	297	23	1	356.546	-357.458	D	6.678	6.678	0	1.413	0	0	0	0	0	0
2002	298	23	1017	356.894	-355.206	D	9.232	9.184	0.048	7.023	96.58	3.33	0	0	0	0.1
2002	299	23	930	366.19	-357.232	D	9.029	8.903	0.126	6.322	96.23	3.68	0	0	0	0.09
2002	300	23	822	358.021	-361.607	D	8.958	8.956	0.003	6.451	97.6	2.27	0	0	0	0.1
2002	301	23	1035	356.477	-356.792	D	10.204	10.176	0.028	9.662	98.85	1.13	0	0	0	0.02
2002	302	23	811	357.434	-360.225	D	9.771	9.753	0.018	8.504	99.04	0.94	0	0	0	0.02
2002	303	23	822	358.021	-361.607	D	8.513	8.512	0.001	5.377	99.59	0.51	0	0	0	0.03
2002	304	23	822	358.021	-361.607	D	8.983	8.981	0.001	6.516	96.73	3.27	0	0	0	0.03
2002	305	23	1	356.546	-357.458	D	7.915	7.915	0	4.007	0	0	0	0	0	0
2002	306	23	997	359.928	-355.117	D	7.583	7.559	0.023	3.229	96.21	3.58	0	0	0	0.21
2002	307	23	964	363.678	-354.148	D	10.12	10.113	0.008	9.486	97.4	2.51	0	0	0	0.03
2002	308	23	933	366.169	-356.524	D	9.094	9.069	0.025	6.733	96.88	3	0	0	0	0.12
2002	309	23	949	365.722	-354.966	D	9.164	9.129	0.036	6.883	97.99	1.96	0	0	0	0.05
2002	310	23	949	365.722	-354.966	D	7.974	7.879	0.095	3.927	96.47	3.44	0	0	0	0.09
2002	311	23	929	366.032	-357.239	D	6.549	6.549	0	1.16	101.33	0.51	0	0	0	0.19
2002	312	23	228	359.881	-359.807	D	6.657	6.657	0	1.373	32.15	0.21	0	0	0	0.04
2002	313	23	1	356.546	-357.458	D	8.478	8.478	0	5.298	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	314	23	966	363.538	-354.124	D	8.621	8.617	0.003	5.629	98.49	0.54	0	0	0	0.95
2002	315	23	538	362.682	-355.689	D	6.863	6.855	0.008	1.765	87.52	11.09	0	0	0	1.4
2002	316	23	16	357.648	-359.906	D	6.717	6.715	0.003	1.486	94.06	4.9	0	0	0	1.01
2002	317	23	191	359.732	-362.061	D	6.645	6.644	0.001	1.346	94.52	4.44	0	0	0	1.01
2002	318	23	644	364.12	-360.12	D	6.675	6.675	0	1.408	106.81	1.86	0	0	0	0.54
2002	319	23	300	360.18	-355.3	D	9.321	9.317	0.005	7.361	94.33	5.59	0	0	0	0.06
2002	320	23	1	356.546	-357.458	D	9.078	9.078	0	6.755	95.56	5.52	0	0	0	0.96
2002	321	23	947	365.801	-355.162	D	6.79	6.786	0.004	1.627	92.75	6.59	0	0	0	0.63
2002	322	23	1	356.546	-357.458	D	7.009	7.009	0	2.076	0	0	0	0	0	0
2002	323	23	788	365.951	-356.544	D	6.955	6.947	0.008	1.951	88.69	10.16	0	0	0	1.13
2002	324	23	929	366.032	-357.239	D	6.495	6.495	0	1.056	97.34	1.87	0	0	0	0.94
2002	325	23	949	365.722	-354.966	D	6.652	6.652	0	1.362	89.66	8.29	0	0	0	2.12
2002	326	23	1017	356.894	-355.206	D	7.088	7.086	0.003	2.233	94.57	4.27	0	0	0	1.17
2002	327	23	930	366.19	-357.232	D	6.559	6.558	0.001	1.178	94.95	4.25	0	0	0	0.74
2002	328	23	10	356.954	-355.443	D	6.617	6.617	0	1.293	97.52	1.71	0	0	0	0.37
2002	329	23	907	365.051	-359.809	D	6.971	6.97	0.001	1.997	97.17	2.68	0	0	0	0.11
2002	330	23	822	358.021	-361.607	D	6.582	6.581	0	1.224	95.6	3.79	0	0	0	0.65
2002	331	23	810	357.434	-360.005	D	6.919	6.919	0	1.895	94.7	3.97	0	0	0	0.4
2002	332	23	1017	356.894	-355.206	D	6.601	6.594	0.007	1.249	95.03	4.6	0	0	0	0.36
2002	333	23	927	365.912	-357.454	D	6.611	6.611	0	1.281	96.88	1.64	0	0	0	0.3
2002	334	23	949	365.722	-354.966	D	6.715	6.713	0.002	1.482	88.05	9.24	0	0	0	2.71
2002	335	23	521	362.869	-359.925	D	6.513	6.511	0.003	1.087	80.18	16.89	0	0	0	2.87
2002	336	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2002	337	23	907	365.051	-359.809	D	6.874	6.869	0.005	1.793	93.43	5.92	0	0	0	0.64
2002	338	23	1	356.546	-357.458	D	9.947	9.947	0	9.028	0	0	0	0	0	0
2002	339	23	1017	356.894	-355.206	D	8.163	8.163	0	4.566	94.21	5.58	0	0	0	0.27
2002	340	23	907	365.051	-359.809	D	9.249	9.238	0.011	7.159	94.65	5.23	0	0	0	0.12
2002	341	23	1	356.546	-357.458	D	7.426	7.426	0	2.944	0	0	0	0	0	0
2002	342	23	966	363.538	-354.124	D	8.169	8.164	0.006	4.568	97.71	2.23	0	0	0	0.04
2002	343	23	811	357.434	-360.225	D	8.264	8.243	0.021	4.749	97.69	2.28	0	0	0	0.03
2002	344	23	1017	356.894	-355.206	D	6.866	6.864	0.002	1.784	98.1	1.77	0	0	0	0.09
2002	345	23	1017	356.894	-355.206	D	8.116	8.112	0.003	4.451	98.43	1.55	0	0	0	0.03
2002	346	23	643	363.609	-354.151	D	7.591	7.59	0.001	3.295	98.63	1.27	0	0	0	0.04
2002	347	23	1035	356.477	-356.792	D	9.019	9.015	0.004	6.599	98.02	1.94	0	0	0	0.05
2002	348	23	861	361.895	-361.506	D	9.563	9.535	0.029	7.926	95.6	4.34	0	0	0	0.07
2002	349	23	930	366.19	-357.232	D	7.206	7.206	0	2.482	96.12	3.08	0	0	0	0.14
2002	350	23	1	356.546	-357.458	D	8.634	8.634	0	5.669	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	9.503	9.503	0	7.844	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	9.613	9.613	0	8.133	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	353	23	996	360.121	-355.113	D	7.845	7.835	0.01	3.83	91.47	8.17	0	0	0	0.37
2002	354	23	620	363.861	-359.882	D	6.721	6.721	0	1.498	85.02	4.31	0	0	0	0.39
2002	355	23	1	356.546	-357.458	D	6.506	6.506	0	1.077	0	0	0	0	0	0
2002	356	23	934	366.01	-356.526	D	7.225	7.221	0.004	2.512	85.44	13.98	0	0	0	0.58
2002	357	23	1017	356.894	-355.206	D	7.342	7.34	0.002	2.761	91.37	8.48	0	0	0	0.09
2002	358	23	853	361.666	-362.175	D	9.644	9.639	0.004	8.202	93.55	6.39	0	0	0	0.04
2002	359	23	933	366.169	-356.524	D	7.35	7.347	0.003	2.776	79.93	18.49	0	0	0	1.57
2002	360	23	1	356.546	-357.458	D	7.523	7.523	0	3.15	0	0	0	0	0	0
2002	361	23	786	365.973	-357.042	D	7.165	7.165	0	2.396	96.94	3.36	0	0	0	0.12
2002	362	23	1	356.546	-357.458	D	7.157	7.157	0	2.381	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	9.404	9.404	0	7.586	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	8.607	8.6	0.007	5.587	94.89	5.03	0	0	0	0.08
									0.2							
UMC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	6.912	6.912	0	1.879	0	0	0	0	0	0
2002	2	23	941	365.977	-355.774	D	6.838	6.825	0.013	1.706	76.75	23.12	0	0	0	0.13
2002	3	23	930	366.19	-357.232	D	7.251	7.237	0.014	2.546	80.62	19.31	0	0	0	0.07
2002	4	23	1	356.546	-357.458	D	6.831	6.831	0	1.718	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.121	7.121	0	2.306	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	9.639	9.639	0	8.201	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.799	7.799	0	3.751	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	6.845	6.845	0	1.745	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	6.822	6.822	0	1.699	0	0	0	0	0	0
2002	10	23	933	366.169	-356.524	D	8.655	8.454	0.201	5.24	91.39	8.57	0	0	0	0.04
2002	11	23	1	356.546	-357.458	D	7.545	7.545	0	3.198	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	6.801	6.801	0	1.658	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.06	7.06	0	2.181	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.035	7.035	0	2.129	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	6.685	6.685	0	1.428	0	0	0	0	0	0
2002	16	23	1010	357.824	-354.865	D	6.622	6.622	0	1.304	81.76	15.11	0	0	0	0.1
2002	17	23	931	366.183	-356.996	D	6.935	6.913	0.023	1.881	80.29	19.65	0	0	0	0.06
2002	18	23	930	366.19	-357.232	D	8.929	8.811	0.118	6.096	84.76	15.22	0	0	0	0.02
2002	19	23	986	360.908	-354.689	D	9.23	9.148	0.082	6.931	92.34	7.65	0	0	0	0.01
2002	20	23	949	365.722	-354.966	D	9.79	9.371	0.419	7.5	92.05	7.94	0	0	0	0.01
2002	21	23	949	365.722	-354.966	D	7.388	7.385	0.003	2.856	95.31	4.66	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	22	23	1	356.546	-357.458	D	6.995	6.995	0	2.048	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	24	23	1	356.546	-357.458	D	9.208	9.208	0	7.083	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	6.925	6.925	0	1.907	0	0	0	0	0	0
2002	26	23	710	364.843	-359.589	D	6.728	6.728	0	1.512	98.2	1.07	0	0	0	0.05
2002	27	23	927	365.912	-357.454	D	6.625	6.624	0	1.308	97.37	2.46	0	0	0	0.03
2002	28	23	1	356.546	-357.458	D	6.928	6.928	0	1.913	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	9.139	9.139	0	6.909	0	0	0	0	0	0
2002	30	23	900	364.265	-360.243	D	11.077	9.964	**1.113**	9.075	91.14	8.85	0	0	0	0.01
2002	31	23	1017	356.894	-355.206	D	12.001	10.119	**1.882**	9.502	94.17	5.83	0	0	0	0
2002	32	23	949	365.722	-354.966	D	7.498	7.456	0.043	3.007	94.61	5.39	0	0	0	0
2002	33	23	1	356.546	-357.458	D	6.971	6.971	0	1.999	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	6.879	6.879	0	1.814	0	0	0	0	0	0
2002	35	23	949	365.722	-354.966	D	7.107	7.103	0.004	2.268	86.83	12.99	0	0	0	0.16
2002	36	23	1035	356.477	-356.792	D	6.634	6.622	0.012	1.303	86.71	13.19	0	0	0	0.09
2002	37	23	1017	356.894	-355.206	D	9.287	9.286	0.001	7.281	92.42	7.47	0	0	0	0.01
2002	38	23	947	365.801	-355.162	D	9.388	9.367	0.021	7.49	88.04	11.94	0	0	0	0.01
2002	39	23	907	365.051	-359.809	D	8.441	8.44	0.001	5.208	95.91	3.86	0	0	0	0.01
2002	40	23	947	365.801	-355.162	D	9.075	9.075	0.001	6.748	96.7	3.03	0	0	0	0
2002	41	23	1	356.546	-357.458	D	8.26	8.26	0	4.79	0	0	0	0	0	0
2002	42	23	1	356.546	-357.458	D	7.661	7.661	0	3.447	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	6.606	6.606	0	1.272	0	0	0	0	0	0
2002	44	23	914	365.435	-358.584	D	6.703	6.666	0.038	1.389	69.07	30.71	0	0	0	0.22
2002	45	23	407	361.716	-361.973	D	6.576	6.576	0	1.214	94.31	5.32	0	0	0	0.08
2002	46	23	900	364.265	-360.243	D	6.851	6.849	0.002	1.753	93.42	6.54	0	0	0	0.05
2002	47	23	1	356.546	-357.458	D	6.647	6.647	0	1.352	0	0	0	0	0	0
2002	48	23	933	366.169	-356.524	D	6.559	6.557	0.002	1.176	94.23	5.56	0	0	0	0.23
2002	49	23	949	365.722	-354.966	D	6.617	6.607	0.01	1.274	91.22	8.71	0	0	0	0.07
2002	50	23	1	356.546	-357.458	D	8.514	8.514	0	5.384	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	8.973	8.973	0	6.495	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.073	7.073	0	2.207	0	0	0	0	0	0
2002	53	23	933	366.169	-356.524	D	7.004	6.992	0.013	2.041	84.91	14.95	0	0	0	0.13
2002	54	23	930	366.19	-357.232	D	6.632	6.621	0.011	1.302	91.52	8.4	0	0	0	0.07
2002	55	23	927	365.912	-357.454	D	6.8	6.799	0.001	1.653	94.22	5.67	0	0	0	0.04
2002	56	23	1	356.546	-357.458	D	7.935	7.935	0	4.052	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.67	7.67	0	3.468	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	6.762	6.762	0	1.579	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	6.499	6.499	0	1.064	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.718	7.718	0	3.573	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	61	23	974	362.281	-354.249	D	9.666	9.608	0.058	8.118	89.03	10.97	0	0	0	0.01
2002	62	23	301	360.724	-362.017	D	7.257	7.257	0	2.588	91.58	4.3	0	0	0	0
2002	63	23	1	356.546	-357.458	D	7.413	7.413	0	2.917	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	6.942	6.942	0	1.941	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	9.291	9.291	0	7.295	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	8.946	8.946	0	6.427	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	8.713	8.713	0	5.859	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.022	7.022	0	2.104	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	71	23	966	363.538	-354.124	D	9.282	9.281	0.001	7.27	96.67	3.18	0	0	0	0.05
2002	72	23	964	363.678	-354.148	D	7.031	7.028	0.003	2.115	94.25	5.68	0	0	0	0.04
2002	73	23	1	356.546	-357.458	D	8.052	8.052	0	4.314	0	0	0	0	0	0
2002	74	23	932	366.176	-356.761	D	8.979	8.977	0.002	6.504	92.92	7	0	0	0	0.01
2002	75	23	78	358.239	-356.385	D	7.706	7.621	0.085	3.362	69.03	30.85	0	0	0	0.11
2002	76	23	996	360.121	-355.113	D	8.403	8.26	0.143	4.79	95.84	4.15	0	0	0	0.01
2002	77	23	967	363.478	-354.116	D	9.107	9.066	0.041	6.727	95.33	4.66	0	0	0	0.01
2002	78	23	949	365.722	-354.966	D	10.249	10.218	0.031	9.779	97.66	2.33	0	0	0	0
2002	79	23	1035	356.477	-356.792	D	9.99	9.252	**0.738**	7.195	92.91	7.08	0	0	0	0.01
2002	80	23	930	366.19	-357.232	D	8.06	7.976	0.084	4.143	93.95	6.03	0	0	0	0.02
2002	81	23	1	356.546	-357.458	D	6.485	6.485	0	1.038	0	0	0	0	0	0
2002	82	23	929	366.032	-357.239	D	6.65	6.65	0	1.358	94.31	3.23	0	0	0	0.04
2002	83	23	929	366.032	-357.239	D	7.948	7.948	0	4.08	96.18	4.17	0	0	0	0.02
2002	84	23	1	356.546	-357.458	D	10.218	10.218	0	9.779	0	0	0	0	0	0
2002	85	23	1039	356.522	-357.599	D	8.619	8.482	0.137	5.307	85.05	14.92	0	0	0	0.03
2002	86	23	906	364.982	-359.812	D	7.698	7.698	0.001	3.528	98.4	1.34	0	0	0	0.05
2002	87	23	930	366.19	-357.232	D	7.364	7.32	0.044	2.72	97.27	2.72	0	0	0	0.01
2002	88	23	907	365.051	-359.809	D	8.434	8.349	0.085	4.995	98.68	1.29	0	0	0	0.03
2002	89	23	930	366.19	-357.232	D	7.409	7.403	0.006	2.894	94.43	5.5	0	0	0	0.05
2002	90	23	1017	356.894	-355.206	D	7.091	7.087	0.004	2.236	98.45	1.46	0	0	0	0.09
2002	91	23	219	359.98	-362.05	D	6.677	6.643	0.034	1.344	95.74	4.19	0	0	0	0.07
2002	92	23	929	366.032	-357.239	D	7.439	7.439	0	2.971	87.45	0.22	0	0	0	0.03
2002	93	23	1	356.546	-357.458	D	6.652	6.652	0	1.363	0	0	0	0	0	0
2002	94	23	930	366.19	-357.232	D	6.55	6.545	0.005	1.154	92.4	7.53	0	0	0	0.09
2002	95	23	949	365.722	-354.966	D	6.547	6.514	0.033	1.094	95.6	4.33	0	0	0	0.06
2002	96	23	930	366.19	-357.232	D	6.576	6.528	0.048	1.119	98.56	1.41	0	0	0	0.04
2002	97	23	949	365.722	-354.966	D	7.995	7.986	0.009	4.166	98.98	1	0	0	0	0.02
2002	98	23	1	356.546	-357.458	D	10.042	10.042	0	9.289	0	0	0	0	0	0
2002	99	23	933	366.169	-356.524	D	9.148	9.128	0.02	6.881	99.31	0.63	0	0	0	0.05

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	100	23	1035	356.477	-356.792	D	7.458	7.423	0.036	2.936	99.09	0.87	0	0	0	0.03
2002	101	23	1035	356.477	-356.792	D	6.913	6.905	0.008	1.865	99.02	0.96	0	0	0	0.01
2002	102	23	785	365.637	-355.06	D	7.442	7.442	0	2.977	99.73	0.1	0	0	0	0.01
2002	103	23	1	356.546	-357.458	D	9.738	9.738	0	8.465	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	9.329	9.329	0	7.392	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	8.09	8.09	0	4.401	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.575	7.575	0	3.262	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.511	7.511	0	3.124	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	8.475	8.475	0	5.29	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.611	7.611	0	3.34	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	9.529	9.529	0	7.912	0	0	0	0	0	0
2002	111	23	643	363.609	-354.151	D	9.439	9.438	0.001	7.675	98.47	1.54	0	0	0	0.01
2002	112	23	1	356.546	-357.458	D	6.941	6.941	0	1.938	0	0	0	0	0	0
2002	113	23	748	365.295	-358.57	D	6.968	6.968	0	1.992	99.45	0.18	0	0	0	0.02
2002	114	23	785	365.637	-355.06	D	8.35	8.35	0	4.998	99.83	0.36	0	0	0	0.01
2002	115	23	907	365.051	-359.809	D	6.758	6.748	0.011	1.551	97.67	2.17	0	0	0	0.16
2002	116	23	219	359.98	-362.05	D	8.213	8.163	0.05	4.567	95.45	4.53	0	0	0	0.02
2002	117	23	949	365.722	-354.966	D	8.246	8.241	0.006	4.745	98.42	1.57	0	0	0	0.01
2002	118	23	1	356.546	-357.458	D	8.205	8.205	0	4.662	0	0	0	0	0	0
2002	119	23	949	365.722	-354.966	D	6.798	6.797	0.001	1.65	99.26	0.59	0	0	0	0.1
2002	120	23	949	365.722	-354.966	D	7.831	7.831	0	3.82	100.08	0.23	0	0	0	0.04
2002	121	23	1	356.546	-357.458	D	9.339	9.339	0	7.419	55.12	0.42	0	0	0	0.01
2002	122	23	928	365.945	-357.303	D	8.861	8.425	0.435	5.174	96.37	3.62	0	0	0	0.01
2002	123	23	832	359.493	-362.061	D	7.052	6.975	0.078	2.007	97.85	2.14	0	0	0	0.02
2002	124	23	822	358.021	-361.607	D	7.48	7.379	0.101	2.844	98.77	1.23	0	0	0	0.01
2002	125	23	822	358.021	-361.607	D	8.426	8.336	0.089	4.966	99.19	0.81	0	0	0	0
2002	126	23	1002	359.309	-354.73	D	8.363	8.355	0.008	5.01	99.9	0.09	0	0	0	0
2002	127	23	1	356.546	-357.458	D	8.856	8.856	0	6.205	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	9.261	9.261	0	7.218	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	8.026	8.026	0	4.256	0	0	0	0	0	0
2002	130	23	900	364.265	-360.243	D	6.645	6.624	0.02	1.308	99.33	0.63	0	0	0	0.04
2002	131	23	1002	359.309	-354.73	D	7.861	7.831	0.03	3.821	99.37	0.62	0	0	0	0.01
2002	132	23	1	356.546	-357.458	D	9.673	9.673	0	8.29	0	0	0	0	0	0
2002	133	23	933	366.169	-356.524	D	8.798	8.563	0.235	5.5	86.18	13.81	0	0	0	0.02
2002	134	23	1	356.546	-357.458	D	6.849	6.849	0	1.753	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	6.786	6.786	0	1.628	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.383	7.383	0	2.852	0	0	0	0	0	0
2002	137	23	1017	356.894	-355.206	D	10.09	9.931	0.159	8.986	97.43	2.57	0	0	0	0
2002	138	23	932	366.176	-356.761	D	8.281	8.239	0.042	4.741	98.68	1.29	0	0	0	0.04

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	139	23	907	365.051	-359.809	D	6.951	6.806	0.145	1.668	98.14	1.84	0	0	0	0.03
2002	140	23	949	365.722	-354.966	D	6.774	6.768	0.005	1.593	99.32	0.59	0	0	0	0.09
2002	141	23	300	360.18	-355.3	D	6.805	6.729	0.077	1.513	97.97	2	0	0	0	0.04
2002	142	23	930	366.19	-357.232	D	6.798	6.763	0.036	1.581	99.28	0.7	0	0	0	0.02
2002	143	23	947	365.801	-355.162	D	6.761	6.76	0.001	1.577	99.73	0.22	0	0	0	0.01
2002	144	23	1	356.546	-357.458	D	7.37	7.37	0	2.825	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	8.265	8.265	0	4.8	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.87	7.87	0	3.908	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	8.687	8.687	0	5.796	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	9.172	9.172	0	6.994	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	8.424	8.424	0	5.172	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.061	7.061	0	2.182	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.196	7.196	0	2.462	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.677	7.677	0	3.483	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.825	7.825	0	3.807	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.059	7.059	0	2.178	0	0	0	0	0	0
2002	156	23	1010	357.824	-354.865	D	8.761	8.721	0.039	5.878	99.13	0.86	0	0	0	0.01
2002	157	23	1035	356.477	-356.792	D	8.679	8.232	0.447	4.725	94.72	5.26	0	0	0	0.01
2002	158	23	933	366.169	-356.524	D	6.968	6.897	0.071	1.85	99.53	0.44	0	0	0	0.03
2002	159	23	949	365.722	-354.966	D	6.964	6.869	0.095	1.794	99.76	0.22	0	0	0	0.02
2002	160	23	1002	359.309	-354.73	D	7.436	7.431	0.006	2.953	99.94	0.04	0	0	0	0.02
2002	161	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	8.492	8.492	0	5.332	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	8.522	8.522	0	5.401	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.933	7.933	0	4.048	0	0	0	0	0	0
2002	165	23	930	366.19	-357.232	D	7.191	7.19	0	2.449	99.42	0.12	0	0	0	0.01
2002	166	23	1	356.546	-357.458	D	6.691	6.691	0	1.438	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	6.639	6.639	0	1.337	0	0	0	0	0	0
2002	168	23	933	366.169	-356.524	D	6.974	6.935	0.04	1.926	98.9	1.07	0	0	0	0.02
2002	169	23	933	366.169	-356.524	D	6.782	6.755	0.027	1.566	99.87	0.1	0	0	0	0.02
2002	170	23	949	365.722	-354.966	D	7.027	7.021	0.006	2.101	99.89	0.06	0	0	0	0.01
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.301	0	0	0	0	0	0
2002	172	23	1	356.546	-357.458	D	7.907	7.907	0	3.989	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.545	7.545	0	3.198	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.039	7.039	0	2.137	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.036	7.036	0	2.132	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.974	7.974	0	4.138	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.864	7.864	0	3.894	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	178	23	1	356.546	-357.458	D	8.442	8.442	0	5.214	0	0	0	0	0	0
2002	179	23	730	364.623	-354.605	D	7.411	7.411	0	2.911	100.06	0.02	0	0	0	0.04
2002	180	23	941	365.977	-355.774	D	7.271	7.27	0.001	2.615	99.98	0.05	0	0	0	0.02
2002	181	23	1	356.546	-357.458	D	7.464	7.464	0	3.024	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	6.828	6.828	0	1.711	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	6.708	6.708	0	1.473	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	8.242	8.242	0	4.747	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.384	7.384	0	2.854	0	0	0	0	0	0
2002	186	23	933	366.169	-356.524	D	7.846	7.844	0.001	3.85	100.01	0.05	0	0	0	0.01
2002	187	23	949	365.722	-354.966	D	7.182	7.166	0.017	2.398	99.95	0.04	0	0	0	0.01
2002	188	23	1008	358.048	-354.775	D	7.489	7.458	0.032	3.011	99.93	0.06	0	0	0	0.01
2002	189	23	643	363.609	-354.151	D	6.798	6.792	0.005	1.64	99.96	0.02	0	0	0	0.01
2002	190	23	785	365.637	-355.06	D	6.78	6.778	0.001	1.612	99.92	0.01	0	0	0	0.01
2002	191	23	929	366.032	-357.239	D	7.102	7.101	0	2.265	100.16	0.06	0	0	0	0.01
2002	192	23	949	365.722	-354.966	D	7.929	7.92	0.009	4.017	98.72	1.27	0	0	0	0.01
2002	193	23	964	363.678	-354.148	D	8.511	8.479	0.032	5.3	99.56	0.42	0	0	0	0.01
2002	194	23	1017	356.894	-355.206	D	9.264	9.211	0.053	7.091	99.2	0.79	0	0	0	0
2002	195	23	822	358.021	-361.607	D	8.649	8.645	0.004	5.695	99.83	0.15	0	0	0	0
2002	196	23	1	356.546	-357.458	D	7.214	7.214	0	2.497	99.51	0.13	0	0	0	0.01
2002	197	23	1	356.546	-357.458	D	7.118	7.118	0	2.299	0	0	0	0	0	0
2002	198	23	1	356.546	-357.458	D	8.619	8.619	0	5.633	0	0	0	0	0	0
2002	199	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	9.235	9.235	0	7.153	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	8.2	8.2	0	4.651	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	8.243	8.243	0	4.751	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.104	7.104	0	2.27	0	0	0	0	0	0
2002	204	23	1008	358.048	-354.775	D	7.503	7.467	0.036	3.031	99.74	0.22	0	0	0	0.04
2002	205	23	810	357.434	-360.005	D	7.23	6.947	0.283	1.951	99.81	0.17	0	0	0	0.02
2002	206	23	822	358.021	-361.607	D	7.18	7.134	0.046	2.333	99.89	0.09	0	0	0	0.01
2002	207	23	907	365.051	-359.809	D	7.456	7.353	0.104	2.788	99.92	0.07	0	0	0	0.01
2002	208	23	941	365.977	-355.774	D	7.485	7.48	0.005	3.058	99.94	0.04	0	0	0	0.01
2002	209	23	1	356.546	-357.458	D	7.228	7.228	0	2.528	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.898	7.898	0	3.969	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.793	7.793	0	3.737	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.19	7.19	0	2.449	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.191	7.191	0	2.45	0	0	0	0	0	0
2002	214	23	1008	358.048	-354.775	D	7.465	7.458	0.007	3.011	99.93	0.06	0	0	0	0.01
2002	215	23	1003	359.099	-354.737	D	7.449	7.448	0.001	2.99	99.91	0.07	0	0	0	0.01
2002	216	23	821	358.053	-361.416	D	7.539	7.539	0	3.184	99.91	0.01	0	0	0	0.01

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	217	23	10	356.954	-355.443	D	7.288	7.287	0	2.651	99.72	0.01	0	0	0	0.01
2002	218	23	930	366.19	-357.232	D	6.99	6.881	0.109	1.818	99.88	0.09	0	0	0	0.02
2002	219	23	219	359.98	-362.05	D	9.068	8.709	0.359	5.849	99.5	0.5	0	0	0	0
2002	220	23	822	358.021	-361.607	D	6.724	6.723	0.001	1.503	100.14	0.03	0	0	0	0.01
2002	221	23	1	356.546	-357.458	D	6.684	6.684	0	1.425	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	6.853	6.853	0	1.762	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.168	7.168	0	2.402	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.094	7.094	0	2.251	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	9.125	9.125	0	6.875	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	9.597	9.597	0	8.09	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	8.49	8.49	0	5.327	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	8.55	8.55	0	5.468	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	8.018	8.018	0	4.237	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	8.407	8.407	0	5.131	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.437	7.437	0	2.967	0	0	0	0	0	0
2002	232	23	62	357.925	-354.901	D	7.015	7.015	0	2.089	99.22	0.36	0	0	0	0.01
2002	233	23	1	356.546	-357.458	D	7.361	7.361	0	2.805	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.811	7.811	0	3.777	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0
2002	236	23	1	356.546	-357.458	D	7.915	7.915	0	4.008	0	0	0	0	0	0
2002	237	23	933	366.169	-356.524	D	7.913	7.782	0.131	3.713	94.81	5.15	0	0	0	0.04
2002	238	23	1035	356.477	-356.792	D	7.591	7.375	0.216	2.835	99.21	0.77	0	0	0	0.02
2002	239	23	1017	356.894	-355.206	D	6.982	6.915	0.067	1.887	99.5	0.47	0	0	0	0.02
2002	240	23	1	356.546	-357.458	D	7.329	7.329	0	2.739	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.135	7.135	0	2.334	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	6.944	6.944	0	1.945	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.131	7.131	0	2.327	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.078	7.078	0	2.217	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.006	7.006	0	2.07	0	0	0	0	0	0
2002	247	23	961	364.092	-354.289	D	7.022	7.016	0.006	2.09	99.94	0.04	0	0	0	0.04
2002	248	23	1002	359.309	-354.73	D	7.073	7.033	0.04	2.125	99.87	0.11	0	0	0	0.02
2002	249	23	1017	356.894	-355.206	D	6.772	6.766	0.006	1.587	99.93	0.02	0	0	0	0.02
2002	250	23	10	356.954	-355.443	D	6.716	6.715	0	1.487	100.2	0.01	0	0	0	0.02
2002	251	23	1	356.546	-357.458	D	8.576	8.576	0	5.53	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.266	7.266	0	2.606	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.027	7.027	0	2.114	0	0	0	0	0	0
2002	254	23	78	358.239	-356.385	D	7.697	7.487	0.21	3.074	87.32	12.6	0	0	0	0.08
2002	255	23	822	358.021	-361.607	D	7.145	7.113	0.032	2.289	99.47	0.5	0	0	0	0.03

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	256	23	811	357.434	-360.225	D	6.63	6.624	0.006	1.308	99.9	0.07	0	0	0	0.03
2002	257	23	1017	356.894	-355.206	D	6.688	6.68	0.008	1.417	99.89	0.08	0	0	0	0.02
2002	258	23	949	365.722	-354.966	D	8.027	8.013	0.014	4.226	99.81	0.15	0	0	0	0.03
2002	259	23	786	365.973	-357.042	D	8.436	8.127	0.309	4.485	98.63	1.36	0	0	0	0.01
2002	260	23	949	365.722	-354.966	D	7.959	7.712	0.247	3.559	99.33	0.66	0	0	0	0.01
2002	261	23	949	365.722	-354.966	D	8.117	8.108	0.01	4.441	98.72	1.26	0	0	0	0.01
2002	262	23	1	356.546	-357.458	D	9.072	9.072	0	6.74	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	9.195	9.195	0	7.052	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	6.755	6.755	0	1.565	0	0	0	0	0	0
2002	265	23	930	366.19	-357.232	D	6.825	6.74	0.085	1.536	93.54	6.29	0	0	0	0.17
2002	266	23	930	366.19	-357.232	D	6.606	6.587	0.019	1.235	98.42	1.46	0	0	0	0.12
2002	267	23	933	366.169	-356.524	D	6.576	6.528	0.048	1.121	99.32	0.6	0	0	0	0.08
2002	268	23	1008	358.048	-354.775	D	6.808	6.774	0.034	1.603	99.41	0.55	0	0	0	0.03
2002	269	23	1017	356.894	-355.206	D	6.932	6.932	0	1.92	99.82	0.07	0	0	0	0.03
2002	270	23	811	357.434	-360.225	D	7.393	7.361	0.032	2.806	97.51	2.43	0	0	0	0.06
2002	271	23	933	366.169	-356.524	D	6.828	6.755	0.073	1.565	99.56	0.4	0	0	0	0.04
2002	272	23	1017	356.894	-355.206	D	7.409	7.34	0.07	2.762	99.59	0.4	0	0	0	0.01
2002	273	23	1017	356.894	-355.206	D	7.678	7.674	0.004	3.476	99.98	0.04	0	0	0	0.02
2002	274	23	1	356.546	-357.458	D	6.979	6.979	0	2.016	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.413	7.413	0	2.915	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	9.122	9.122	0	6.867	0	0	0	0	0	0
2002	278	23	930	366.19	-357.232	D	7.094	7.081	0.012	2.224	99.21	0.65	0	0	0	0.13
2002	279	23	832	359.493	-362.061	D	6.737	6.727	0.01	1.51	99.09	0.86	0	0	0	0.06
2002	280	23	930	366.19	-357.232	D	6.724	6.702	0.022	1.462	97.95	1.89	0	0	0	0.15
2002	281	23	1035	356.477	-356.792	D	6.56	6.555	0.005	1.172	98.69	1.25	0	0	0	0.08
2002	282	23	974	362.281	-354.249	D	8.745	8.744	0.001	5.933	99.38	0.51	0	0	0	0.02
2002	283	23	949	365.722	-354.966	D	9.539	9.537	0.003	7.932	98.74	1.11	0	0	0	0
2002	284	23	853	361.666	-362.175	D	8.637	8.634	0.003	5.67	99.07	0.91	0	0	0	0
2002	285	23	1	356.546	-357.458	D	8.805	8.805	0	6.083	0	0	0	0	0	0
2002	286	23	930	366.19	-357.232	D	7.534	7.512	0.022	3.127	87.13	12.75	0	0	0	0.12
2002	287	23	1017	356.894	-355.206	D	6.534	6.528	0.006	1.12	94.8	5.09	0	0	0	0.09
2002	288	23	1017	356.894	-355.206	D	6.52	6.504	0.016	1.074	96.9	3.06	0	0	0	0.04
2002	289	23	78	358.239	-356.385	D	6.622	6.563	0.059	1.188	79.19	20.46	0	0	0	0.35
2002	290	23	853	361.666	-362.175	D	9.091	9.09	0.001	6.786	95.31	4.55	0	0	0	0.02
2002	291	23	900	364.265	-360.243	D	6.665	6.665	0	1.388	98.01	0.52	0	0	0	0.04
2002	292	23	337	360.884	-360.013	D	9.547	9.446	0.101	7.694	92.56	7.43	0	0	0	0.01
2002	293	23	933	366.169	-356.524	D	8.061	7.732	0.329	3.603	90.55	9.43	0	0	0	0.02
2002	294	23	1039	356.522	-357.599	D	6.801	6.774	0.027	1.604	97.82	2.15	0	0	0	0.03

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	295	23	1017	356.894	-355.206	D	6.854	6.828	0.027	1.711	98.35	1.62	0	0	0	0.02
2002	296	23	967	363.478	-354.116	D	6.877	6.801	0.076	1.657	97.54	2.44	0	0	0	0.03
2002	297	23	822	358.021	-361.607	D	6.714	6.679	0.036	1.415	98.84	1.14	0	0	0	0.02
2002	298	23	1017	356.894	-355.206	D	9.34	9.184	0.156	7.023	97.01	2.99	0	0	0	0.01
2002	299	23	949	365.722	-354.966	D	9.534	8.911	**0.623**	6.342	96.42	3.58	0	0	0	0
2002	300	23	927	365.912	-357.454	D	9.859	8.948	**0.911**	6.433	94.4	5.59	0	0	0	0.01
2002	301	23	1017	356.894	-355.206	D	10.661	10.176	0.485	9.662	97.21	2.79	0	0	0	0
2002	302	23	1039	356.522	-357.599	D	10.399	9.753	**0.646**	8.504	95.35	4.64	0	0	0	0.01
2002	303	23	822	358.021	-361.607	D	8.854	8.512	0.343	5.377	96.1	3.89	0	0	0	0.01
2002	304	23	822	358.021	-361.607	D	9.685	8.981	**0.703**	6.516	93.79	6.21	0	0	0	0.01
2002	305	23	1	356.546	-357.458	D	7.915	7.915	0	4.007	0	0	0	0	0	0
2002	306	23	301	360.724	-362.017	D	7.51	7.51	0	3.123	92.72	6.81	0	0	0	0
2002	307	23	907	365.051	-359.809	D	10.235	10.113	0.122	9.486	93.54	6.45	0	0	0	0
2002	308	23	941	365.977	-355.774	D	9.164	9.16	0.004	6.962	95.47	4.5	0	0	0	0
2002	309	23	930	366.19	-357.232	D	9.165	9.132	0.033	6.891	96.6	3.39	0	0	0	0
2002	310	23	949	365.722	-354.966	D	7.931	7.879	0.052	3.927	93.38	6.61	0	0	0	0.01
2002	311	23	1	356.546	-357.458	D	6.548	6.548	0	1.16	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	6.657	6.657	0	1.373	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	8.478	8.478	0	5.298	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	8.593	8.593	0	5.57	0	0	0	0	0	0
2002	315	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2002	316	23	927	365.912	-357.454	D	6.836	6.723	0.114	1.502	68.63	31.19	0	0	0	0.18
2002	317	23	1	356.546	-357.458	D	6.644	6.644	0	1.347	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	6.68	6.68	0	1.417	0	0	0	0	0	0
2002	319	23	928	365.945	-357.303	D	9.34	9.317	0.024	7.361	69.5	30.46	0	0	0	0.04
2002	320	23	927	365.912	-357.454	D	9.753	9.09	**0.663**	6.786	70.95	29.01	0	0	0	0.04
2002	321	23	1	356.546	-357.458	D	6.773	6.773	0	1.602	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.009	7.009	0	2.076	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	6.941	6.941	0	1.938	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	6.495	6.495	0	1.057	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	6.648	6.648	0	1.354	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.086	7.086	0	2.233	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	6.556	6.556	0	1.175	0	0	0	0	0	0
2002	328	23	1008	358.048	-354.775	D	6.617	6.617	0.001	1.293	93.26	6.77	0	0	0	0.05
2002	329	23	930	366.19	-357.232	D	7.069	6.97	0.098	1.998	82.07	17.8	0	0	0	0.13
2002	330	23	1035	356.477	-356.792	D	6.633	6.582	0.051	1.225	90.07	9.86	0	0	0	0.07
2002	331	23	927	365.912	-357.454	D	6.997	6.922	0.075	1.9	72.75	27.12	0	0	0	0.13
2002	332	23	907	365.051	-359.809	D	6.595	6.594	0	1.249	87.5	12.62	0	0	0	0.06
2002	333	23	1	356.546	-357.458	D	6.608	6.608	0	1.277	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	334	23	1	356.546	-357.458	D	6.711	6.711	0	1.478	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	6.509	6.509	0	1.084	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2002	337	23	824	358.459	-361.601	D	6.876	6.871	0.005	1.798	79.85	19.86	0	0	0	0.3
2002	338	23	822	358.021	-361.607	D	10.01	10.01	0	9.201	87.78	12.01	0	0	0	0
2002	339	23	900	364.265	-360.243	D	8.345	8.256	0.089	4.781	63.62	36.26	0	0	0	0.13
2002	340	23	1	356.546	-357.458	D	9.222	9.222	0	7.119	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.426	7.426	0	2.944	0	0	0	0	0	0
2002	342	23	964	363.678	-354.148	D	8.215	8.164	0.052	4.568	91.66	8.33	0	0	0	0.01
2002	343	23	822	358.021	-361.607	D	8.68	8.243	0.438	4.749	91.71	8.28	0	0	0	0
2002	344	23	1017	356.894	-355.206	D	6.886	6.864	0.022	1.784	94.01	5.97	0	0	0	0.01
2002	345	23	1017	356.894	-355.206	D	8.162	8.112	0.05	4.451	95.34	4.65	0	0	0	0
2002	346	23	1002	359.309	-354.73	D	7.622	7.612	0.01	3.342	96.75	3.25	0	0	0	0.01
2002	347	23	822	358.021	-361.607	D	9.204	9.036	0.168	6.652	92.88	7.11	0	0	0	0.01
2002	348	23	845	360.851	-362.181	D	9.651	9.535	0.116	7.926	92.24	7.75	0	0	0	0.01
2002	349	23	1	356.546	-357.458	D	7.203	7.203	0	2.475	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	8.634	8.634	0	5.669	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	9.503	9.503	0	7.844	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	9.613	9.613	0	8.133	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.699	7.699	0	3.532	0	0	0	0	0	0
2002	354	23	1	356.546	-357.458	D	6.719	6.719	0	1.494	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	6.506	6.506	0	1.077	0	0	0	0	0	0
2002	356	23	949	365.722	-354.966	D	7.216	7.215	0	2.501	81.42	18.73	0	0	0	0.03
2002	357	23	1	356.546	-357.458	D	7.34	7.34	0	2.761	0	0	0	0	0	0
2002	358	23	1017	356.894	-355.206	D	9.772	9.579	0.193	8.042	88.05	11.93	0	0	0	0.01
2002	359	23	1	356.546	-357.458	D	7.327	7.327	0	2.734	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.523	7.523	0	3.15	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.159	7.159	0	2.384	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.157	7.157	0	2.381	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	9.404	9.404	0	7.586	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	8.647	8.6	0.047	5.587	67.96	31.94	0	0	0	0.1
									1.882							
NORANDA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	6.912	6.912	0	1.879	0	0	0	0	0	0
2002	2	23	1	356.546	-357.458	D	6.838	6.838	0	1.731	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	3	23	1	356.546	-357.458	D	7.261	7.261	0	2.596	0	0	0	0	0	0
2002	4	23	1	356.546	-357.458	D	6.831	6.831	0	1.718	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.121	7.121	0	2.306	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	9.639	9.639	0	8.201	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.799	7.799	0	3.751	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	6.845	6.845	0	1.745	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	6.822	6.822	0	1.699	0	0	0	0	0	0
2002	10	23	1	356.546	-357.458	D	8.454	8.454	0	5.24	0	0	0	0	0	0
2002	11	23	1	356.546	-357.458	D	7.545	7.545	0	3.198	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	6.801	6.801	0	1.658	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.06	7.06	0	2.181	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.035	7.035	0	2.129	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	6.685	6.685	0	1.428	0	0	0	0	0	0
2002	16	23	1	356.546	-357.458	D	6.622	6.622	0	1.304	0	0	0	0	0	0
2002	17	23	1	356.546	-357.458	D	6.914	6.914	0	1.884	0	0	0	0	0	0
2002	18	23	1	356.546	-357.458	D	8.836	8.836	0	6.158	0	0	0	0	0	0
2002	19	23	967	363.478	-354.116	D	9.658	9.148	**0.51**	6.931	98.64	0.2	0	0	0.06	1.09
2002	20	23	907	365.051	-359.809	D	9.389	9.371	0.018	7.5	98.82	0.06	0	0	0.05	1.07
2002	21	23	947	365.801	-355.162	D	7.394	7.385	0.009	2.856	98.84	0.1	0	0	0	1.05
2002	22	23	1	356.546	-357.458	D	6.995	6.995	0	2.048	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	24	23	1	356.546	-357.458	D	9.208	9.208	0	7.083	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	6.925	6.925	0	1.907	0	0	0	0	0	0
2002	26	23	1	356.546	-357.458	D	6.726	6.726	0	1.507	0	0	0	0	0	0
2002	27	23	572	363.365	-359.903	D	6.624	6.624	0	1.308	79.59	0.05	0	0	0.07	3.93
2002	28	23	1	356.546	-357.458	D	6.928	6.928	0	1.913	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	9.139	9.139	0	6.909	0	0	0	0	0	0
2002	30	23	1	356.546	-357.458	D	9.985	9.985	0	9.134	0	0	0	0	0	0
2002	31	23	1	356.546	-357.458	D	10.119	10.119	0	9.502	0	0	0	0	0	0
2002	32	23	1	356.546	-357.458	D	7.456	7.456	0	3.007	0	0	0	0	0	0
2002	33	23	1	356.546	-357.458	D	6.971	6.971	0	1.999	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	6.879	6.879	0	1.814	0	0	0	0	0	0
2002	35	23	1	356.546	-357.458	D	7.102	7.102	0	2.267	0	0	0	0	0	0
2002	36	23	853	361.666	-362.175	D	6.626	6.622	0.005	1.303	89	0.04	0	0	2.16	8.8
2002	37	23	1017	356.894	-355.206	D	9.343	9.286	0.058	7.281	96.91	0.4	0	0	0.07	2.62
2002	38	23	1017	356.894	-355.206	D	9.728	9.37	0.358	7.497	99.27	0.12	0	0	0.03	0.58
2002	39	23	907	365.051	-359.809	D	8.448	8.44	0.008	5.208	98.68	0.06	0	0	0.07	1.16
2002	40	23	786	365.973	-357.042	D	9.109	9.075	0.034	6.748	99.38	0.05	0	0	0.02	0.55
2002	41	23	1	356.546	-357.458	D	8.26	8.26	0	4.79	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	42	23	1	356.546	-357.458	D	7.661	7.661	0	3.447	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	6.606	6.606	0	1.272	0	0	0	0	0	0
2002	44	23	1	356.546	-357.458	D	6.666	6.666	0	1.391	0	0	0	0	0	0
2002	45	23	1	356.546	-357.458	D	6.584	6.584	0	1.229	0	0	0	0	0	0
2002	46	23	1	356.546	-357.458	D	6.86	6.86	0	1.775	0	0	0	0	0	0
2002	47	23	1	356.546	-357.458	D	6.647	6.647	0	1.352	0	0	0	0	0	0
2002	48	23	1	356.546	-357.458	D	6.558	6.558	0	1.179	0	0	0	0	0	0
2002	49	23	930	366.19	-357.232	D	6.609	6.606	0.004	1.272	92.84	0.14	0	0	0.14	6.89
2002	50	23	1	356.546	-357.458	D	8.514	8.514	0	5.384	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	8.973	8.973	0	6.495	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.073	7.073	0	2.207	0	0	0	0	0	0
2002	53	23	1	356.546	-357.458	D	6.964	6.964	0	1.986	0	0	0	0	0	0
2002	54	23	1	356.546	-357.458	D	6.629	6.629	0	1.317	0	0	0	0	0	0
2002	55	23	1	356.546	-357.458	D	6.809	6.809	0	1.674	0	0	0	0	0	0
2002	56	23	1	356.546	-357.458	D	7.935	7.935	0	4.052	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.67	7.67	0	3.468	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	6.762	6.762	0	1.579	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	6.499	6.499	0	1.064	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.718	7.718	0	3.573	0	0	0	0	0	0
2002	61	23	1	356.546	-357.458	D	9.578	9.578	0	8.04	0	0	0	0	0	0
2002	62	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0
2002	63	23	1	356.546	-357.458	D	7.413	7.413	0	2.917	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	6.693	6.693	0	1.444	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	6.942	6.942	0	1.941	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	9.291	9.291	0	7.295	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	8.946	8.946	0	6.427	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	8.713	8.713	0	5.859	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.022	7.022	0	2.104	0	0	0	0	0	0
2002	70	23	930	366.19	-357.232	D	7.155	7.152	0.003	2.369	91.52	0.19	0	0	0.17	8.08
2002	71	23	618	363.371	-354.411	D	9.281	9.281	0	7.27	94.7	0	0	0	0.04	1.48
2002	72	23	406	361.15	-354.758	D	7.028	7.028	0	2.115	93.93	0.01	0	0	0.01	2.03
2002	73	23	1	356.546	-357.458	D	8.052	8.052	0	4.314	0	0	0	0	0	0
2002	74	23	1	356.546	-357.458	D	8.972	8.972	0	6.491	0	0	0	0	0	0
2002	75	23	1	356.546	-357.458	D	7.621	7.621	0	3.362	0	0	0	0	0	0
2002	76	23	1	356.546	-357.458	D	8.088	8.088	0	4.396	0	0	0	0	0	0
2002	77	23	930	366.19	-357.232	D	9.119	9.111	0.008	6.838	99.3	0.07	0	0	0.03	0.59
2002	78	23	1017	356.894	-355.206	D	11.178	10.218	**0.96**	9.779	99.57	0.03	0	0	0.04	0.35
2002	79	23	907	365.051	-359.809	D	9.616	9.252	0.365	7.195	99.7	0.03	0	0	0.02	0.26
2002	80	23	1	356.546	-357.458	D	7.838	7.838	0	3.836	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	81	23	1	356.546	-357.458	D	6.485	6.485	0	1.038	0	0	0	0	0	0
2002	82	23	1	356.546	-357.458	D	6.646	6.646	0	1.35	0	0	0	0	0	0
2002	83	23	1	356.546	-357.458	D	8.066	8.066	0	4.346	0	0	0	0	0	0
2002	84	23	1017	356.894	-355.206	D	10.247	10.218	0.03	9.779	99.5	0.07	0	0	0.01	0.41
2002	85	23	1035	356.477	-356.792	D	8.648	8.482	0.166	5.307	99.53	0.06	0	0	0	0.41
2002	86	23	1	356.546	-357.458	D	7.696	7.696	0	3.525	0	0	0	0	0	0
2002	87	23	930	366.19	-357.232	D	7.322	7.32	0.001	2.72	97.33	0.13	0	0	0.06	2.42
2002	88	23	1	356.546	-357.458	D	8.397	8.397	0	5.108	0	0	0	0	0	0
2002	89	23	853	361.666	-362.175	D	7.425	7.42	0.005	2.93	98.04	0	0	0	0.29	1.64
2002	90	23	853	361.666	-362.175	D	7.205	7.117	0.088	2.298	95.48	0.17	0	0	0.17	4.18
2002	91	23	1035	356.477	-356.792	D	6.646	6.642	0.004	1.342	96.26	0	0	0	0.1	3.63
2002	92	23	933	366.169	-356.524	D	7.44	7.439	0.001	2.971	96.84	0.01	0	0	0.03	2.98
2002	93	23	1	356.546	-357.458	D	6.652	6.652	0	1.363	0	0	0	0	0	0
2002	94	23	1	356.546	-357.458	D	6.542	6.542	0	1.147	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	6.515	6.515	0	1.096	0	0	0	0	0	0
2002	96	23	822	358.021	-361.607	D	6.535	6.532	0.004	1.128	95.03	0.01	0	0	0.39	4.56
2002	97	23	822	358.021	-361.607	D	8.024	8.007	0.017	4.213	96.04	0.04	0	0	0.14	3.78
2002	98	23	1	356.546	-357.458	D	10.042	10.042	0	9.289	0	0	0	0	0	0
2002	99	23	1	356.546	-357.458	D	9.139	9.139	0	6.909	0	0	0	0	0	0
2002	100	23	853	361.666	-362.175	D	7.41	7.379	0.031	2.845	98.15	0	0	0	0.22	1.63
2002	101	23	955	364.92	-354.582	D	6.91	6.892	0.019	1.839	93.84	0.03	0	0	0.12	6.02
2002	102	23	1	356.546	-357.458	D	7.41	7.41	0	2.91	0	0	0	0	0	0
2002	103	23	1	356.546	-357.458	D	9.738	9.738	0	8.465	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	9.329	9.329	0	7.392	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	8.09	8.09	0	4.401	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.575	7.575	0	3.262	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.511	7.511	0	3.124	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	8.475	8.475	0	5.29	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.611	7.611	0	3.34	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	9.529	9.529	0	7.912	0	0	0	0	0	0
2002	111	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2002	112	23	1	356.546	-357.458	D	6.941	6.941	0	1.938	0	0	0	0	0	0
2002	113	23	930	366.19	-357.232	D	6.965	6.964	0.002	1.985	96.66	0.02	0	0	0.14	3.03
2002	114	23	929	366.032	-357.239	D	8.318	8.318	0	4.923	102.95	0.01	0	0	0.04	3.15
2002	115	23	1	356.546	-357.458	D	6.747	6.747	0	1.549	0	0	0	0	0	0
2002	116	23	191	359.732	-362.061	D	8.169	8.163	0.006	4.567	94.09	0.18	0	0	0.5	5.23
2002	117	23	1017	356.894	-355.206	D	8.327	8.287	0.04	4.852	96.45	0.1	0	0	0.15	3.3
2002	118	23	1	356.546	-357.458	D	8.205	8.205	0	4.662	0	0	0	0	0	0
2002	119	23	1	356.546	-357.458	D	6.797	6.797	0	1.649	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	120	23	933	366.169	-356.524	D	7.867	7.857	0.009	3.879	97.79	0.01	0	0	0.03	2.16
2002	121	23	949	365.722	-354.966	D	9.364	9.364	0	7.482	99.19	0.02	0	0	0	0.57
2002	122	23	949	365.722	-354.966	D	8.621	8.425	0.196	5.174	99.54	0.03	0	0	0.01	0.43
2002	123	23	853	361.666	-362.175	D	6.992	6.97	0.022	1.996	98.98	0.01	0	0	0.02	0.99
2002	124	23	139	359.17	-360.588	D	7.868	7.379	0.489	2.844	96.8	0.07	0	0	0.21	2.92
2002	125	23	1035	356.477	-356.792	D	8.583	8.335	0.248	4.964	98.56	0.03	0	0	0.07	1.34
2002	126	23	949	365.722	-354.966	D	8.321	8.304	0.016	4.892	98.62	0	0	0	0.03	1.35
2002	127	23	1	356.546	-357.458	D	8.856	8.856	0	6.205	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	9.261	9.261	0	7.218	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	8.026	8.026	0	4.256	0	0	0	0	0	0
2002	130	23	853	361.666	-362.175	D	6.625	6.624	0	1.308	91.28	0.01	0	0	0.97	8.2
2002	131	23	997	359.928	-355.117	D	7.888	7.831	0.057	3.821	97.74	0.02	0	0	0.06	2.18
2002	132	23	1	356.546	-357.458	D	9.673	9.673	0	8.29	0	0	0	0	0	0
2002	133	23	1	356.546	-357.458	D	8.627	8.627	0	5.651	0	0	0	0	0	0
2002	134	23	1	356.546	-357.458	D	6.849	6.849	0	1.753	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	6.786	6.786	0	1.628	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.383	7.383	0	2.852	0	0	0	0	0	0
2002	137	23	930	366.19	-357.232	D	9.943	9.941	0.002	9.012	96.95	0.39	0	0	0.09	2.54
2002	138	23	1	356.546	-357.458	D	8.347	8.347	0	4.991	0	0	0	0	0	0
2002	139	23	1	356.546	-357.458	D	6.817	6.817	0	1.69	0	0	0	0	0	0
2002	140	23	1	356.546	-357.458	D	6.787	6.787	0	1.629	0	0	0	0	0	0
2002	141	23	853	361.666	-362.175	D	6.762	6.723	0.039	1.503	96.56	0	0	0	0.33	3.1
2002	142	23	949	365.722	-354.966	D	6.786	6.763	0.023	1.581	94.08	0.01	0	0	0.14	5.77
2002	143	23	930	366.19	-357.232	D	6.756	6.756	0	1.568	94.94	0.01	0	0	0.11	5.32
2002	144	23	1	356.546	-357.458	D	7.37	7.37	0	2.825	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	8.265	8.265	0	4.8	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.87	7.87	0	3.908	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	8.687	8.687	0	5.796	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	9.172	9.172	0	6.994	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	8.955	8.955	0	6.45	0	0	0	0	0	0
2002	150	23	949	365.722	-354.966	D	8.417	8.4	0.017	5.115	96.88	0.01	0	0	0.44	2.68
2002	151	23	949	365.722	-354.966	D	7.258	7.079	0.179	2.22	98.48	0.01	0	0	0.12	1.39
2002	152	23	949	365.722	-354.966	D	7.179	7.167	0.012	2.402	98.39	0	0	0	0.08	1.52
2002	153	23	1	356.546	-357.458	D	7.677	7.677	0	3.483	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.825	7.825	0	3.807	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.059	7.059	0	2.178	0	0	0	0	0	0
2002	156	23	1	356.546	-357.458	D	8.721	8.721	0	5.878	0	0	0	0	0	0
2002	157	23	1	356.546	-357.458	D	8.232	8.232	0	4.725	0	0	0	0	0	0
2002	158	23	1	356.546	-357.458	D	6.887	6.887	0	1.829	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	159	23	822	358.021	-361.607	D	6.921	6.884	0.037	1.824	98.12	0	0	0	0.2	1.67
2002	160	23	1008	358.048	-354.775	D	7.465	7.431	0.034	2.953	96.36	0	0	0	0.12	3.51
2002	161	23	1	356.546	-357.458	D	9.601	9.601	0	8.101	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	8.492	8.492	0	5.332	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	8.522	8.522	0	5.401	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.933	7.933	0	4.048	0	0	0	0	0	0
2002	165	23	1	356.546	-357.458	D	7.184	7.184	0	2.435	0	0	0	0	0	0
2002	166	23	1	356.546	-357.458	D	6.691	6.691	0	1.438	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	6.639	6.639	0	1.337	0	0	0	0	0	0
2002	168	23	1	356.546	-357.458	D	6.91	6.91	0	1.876	0	0	0	0	0	0
2002	169	23	947	365.801	-355.162	D	6.753	6.753	0	1.562	96.31	0	0	0	0.3	2.27
2002	170	23	941	365.977	-355.774	D	7.03	7.021	0.009	2.101	98.49	0	0	0	0.14	1.36
2002	171	23	62	357.925	-354.901	D	7.593	7.593	0	3.301	98.26	0	0	0	0.08	1.49
2002	172	23	929	366.032	-357.239	D	7.849	7.849	0	3.86	0.02	0.01	0	0	0	50.62
2002	173	23	949	365.722	-354.966	D	7.541	7.476	0.066	3.049	95.68	0.01	0	0	0.94	3.37
2002	174	23	822	358.021	-361.607	D	7.083	7.039	0.044	2.137	94.69	0.01	0	0	0.94	4.36
2002	175	23	949	365.722	-354.966	D	7.047	7.044	0.003	2.148	73.15	0.01	0	0	0.69	26.13
2002	176	23	1	356.546	-357.458	D	7.974	7.974	0	4.138	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.864	7.864	0	3.894	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	8.442	8.442	0	5.214	0	0	0	0	0	0
2002	179	23	1	356.546	-357.458	D	7.417	7.417	0	2.924	0	0	0	0	0	0
2002	180	23	1	356.546	-357.458	D	7.295	7.295	0	2.668	0	0	0	0	0	0
2002	181	23	1	356.546	-357.458	D	7.464	7.464	0	3.024	0	0	0	0	0	0
2002	182	23	247	360.217	-361.79	D	6.812	6.812	0	1.679	14.52	0	0	0	1.91	3.34
2002	183	23	900	364.265	-360.243	D	6.797	6.713	0.084	1.482	96.84	0	0	0	0.49	2.67
2002	184	23	949	365.722	-354.966	D	8.315	8.189	0.127	4.625	98.99	0	0	0	0.09	0.91
2002	185	23	933	366.169	-356.524	D	7.594	7.475	0.119	3.047	98.47	0	0	0	0.22	1.31
2002	186	23	822	358.021	-361.607	D	8.29	7.853	0.437	3.87	98.98	0	0	0	0.15	0.87
2002	187	23	1041	356.936	-357.592	D	7.325	7.187	0.138	2.442	97.5	0	0	0	0.4	2.1
2002	188	23	1017	356.894	-355.206	D	7.458	7.458	0.001	3.011	99.03	0	0	0	0.09	0.59
2002	189	23	1038	356.511	-357.396	D	6.796	6.792	0.003	1.64	96.99	0	0	0	0.42	2.54
2002	190	23	1039	356.522	-357.599	D	6.823	6.779	0.044	1.613	98.14	0	0	0	0.18	1.68
2002	191	23	907	365.051	-359.809	D	7.166	7.106	0.06	2.275	98.9	0	0	0	0.05	1.05
2002	192	23	907	365.051	-359.809	D	7.934	7.92	0.014	4.017	99.46	0	0	0	0.02	0.53
2002	193	23	907	365.051	-359.809	D	8.503	8.479	0.024	5.3	99.09	0	0	0	0.17	0.73
2002	194	23	907	365.051	-359.809	D	9.214	9.203	0.011	7.07	99.77	0	0	0	0.01	0.19
2002	195	23	853	361.666	-362.175	D	8.668	8.645	0.023	5.695	99.49	0.01	0	0	0.07	0.44
2002	196	23	853	361.666	-362.175	D	7.28	7.242	0.038	2.555	97.36	0.01	0	0	0.51	2.12
2002	197	23	833	359.603	-362.066	D	7.345	7.118	0.227	2.299	98.49	0	0	0	0.17	1.34

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	198	23	949	365.722	-354.966	D	8.853	8.612	0.241	5.616	99.58	0	0	0	0.03	0.39
2002	199	23	949	365.722	-354.966	D	8.19	8.168	0.023	4.578	99.57	0	0	0	0.01	0.41
2002	200	23	949	365.722	-354.966	D	9.276	9.273	0.003	7.249	99.7	0.01	0	0	0.01	0.24
2002	201	23	1	356.546	-357.458	D	8.2	8.2	0	4.651	0	0	0	0	0	0
2002	202	23	247	360.217	-361.79	D	8.224	8.224	0	4.706	11.71	0	0	0	0.14	0.23
2002	203	23	929	366.032	-357.239	D	7.116	7.116	0	2.296	17.67	0	0	0	0.83	1.4
2002	204	23	247	360.217	-361.79	D	7.375	7.375	0	2.836	59.21	0	0	0	1.12	3.26
2002	205	23	1	356.546	-357.458	D	6.939	6.939	0	1.934	0	0	0	0	0	0
2002	206	23	853	361.666	-362.175	D	7.106	7.104	0.001	2.271	98.93	0	0	0	0.1	0.76
2002	207	23	907	365.051	-359.809	D	7.413	7.353	0.06	2.788	99.53	0	0	0	0.03	0.44
2002	208	23	941	365.977	-355.774	D	7.48	7.48	0	3.058	98.53	0	0	0	0.07	1.27
2002	209	23	1	356.546	-357.458	D	7.228	7.228	0	2.528	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.898	7.898	0	3.969	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.793	7.793	0	3.737	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.19	7.19	0	2.449	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.191	7.191	0	2.45	0	0	0	0	0	0
2002	214	23	930	366.19	-357.232	D	7.466	7.465	0.001	3.026	99.01	0	0	0	0.16	0.82
2002	215	23	853	361.666	-362.175	D	7.553	7.41	0.143	2.909	98.08	0	0	0	0.3	1.61
2002	216	23	1017	356.894	-355.206	D	7.805	7.546	0.259	3.2	99.21	0	0	0	0.06	0.73
2002	217	23	1017	356.894	-355.206	D	7.295	7.287	0.007	2.651	99.19	0	0	0	0.04	0.76
2002	218	23	907	365.051	-359.809	D	6.91	6.881	0.029	1.818	97.85	0	0	0	0.17	1.98
2002	219	23	907	365.051	-359.809	D	8.788	8.719	0.069	5.873	99.67	0	0	0	0.01	0.32
2002	220	23	44	358.21	-361.379	D	6.724	6.723	0	1.503	98.67	0	0	0	0.02	1.18
2002	221	23	853	361.666	-362.175	D	6.707	6.688	0.019	1.433	94.37	0	0	0	0.96	4.67
2002	222	23	941	365.977	-355.774	D	6.898	6.838	0.06	1.731	96.85	0	0	0	0.18	2.97
2002	223	23	1002	359.309	-354.73	D	7.17	7.168	0.003	2.402	98.22	0	0	0	0.04	1.75
2002	224	23	543	362.627	-354.444	D	7.113	7.113	0	2.289	73.25	0	0	0	0.04	3.28
2002	225	23	1	356.546	-357.458	D	9.125	9.125	0	6.875	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	9.597	9.597	0	8.09	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	8.49	8.49	0	5.327	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	8.55	8.55	0	5.468	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	8.018	8.018	0	4.237	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	8.407	8.407	0	5.131	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.437	7.437	0	2.967	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.015	7.015	0	2.089	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.361	7.361	0	2.805	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.811	7.811	0	3.777	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.29	7.29	0	2.657	0	0	0	0	0	0
2002	236	23	1	356.546	-357.458	D	7.915	7.915	0	4.008	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	237	23	1	356.546	-357.458	D	7.786	7.786	0	3.721	0	0	0	0	0	0
2002	238	23	1	356.546	-357.458	D	7.375	7.375	0	2.835	0	0	0	0	0	0
2002	239	23	1	356.546	-357.458	D	6.915	6.915	0	1.887	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.329	7.329	0	2.739	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.135	7.135	0	2.334	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	6.944	6.944	0	1.945	0	0	0	0	0	0
2002	243	23	822	358.021	-361.607	D	7.157	7.132	0.025	2.327	94.36	0.01	0	0	1.06	4.56
2002	244	23	930	366.19	-357.232	D	7.213	7.112	0.101	2.287	97.61	0	0	0	0.23	2.15
2002	245	23	967	363.478	-354.116	D	6.976	6.953	0.022	1.964	96.57	0	0	0	0.12	3.31
2002	246	23	1	356.546	-357.458	D	7.006	7.006	0	2.07	0	0	0	0	0	0
2002	247	23	1	356.546	-357.458	D	7.012	7.012	0	2.083	0	0	0	0	0	0
2002	248	23	1	356.546	-357.458	D	7.033	7.033	0	2.125	0	0	0	0	0	0
2002	249	23	861	361.895	-361.506	D	6.754	6.753	0.001	1.562	87.8	0	0	0	4.25	7.9
2002	250	23	949	365.722	-354.966	D	6.736	6.713	0.024	1.482	94.7	0	0	0	0.24	5.06
2002	251	23	949	365.722	-354.966	D	8.577	8.577	0	5.532	75.89	0.02	0	0	0.65	23.43
2002	252	23	949	365.722	-354.966	D	7.266	7.265	0	2.605	93.19	0	0	0	0.41	6.23
2002	253	23	966	363.538	-354.124	D	7.032	7.021	0.01	2.102	98.21	0	0	0	0.1	1.69
2002	254	23	907	365.051	-359.809	D	7.491	7.489	0.002	3.078	98.7	0	0	0	0.05	1.19
2002	255	23	191	359.732	-362.061	D	7.113	7.113	0	2.289	91.42	0	0	0	0.07	1.62
2002	256	23	44	358.21	-361.379	D	6.624	6.624	0	1.308	86.11	0	0	0	0.38	1.08
2002	257	23	907	365.051	-359.809	D	6.707	6.681	0.025	1.42	97.34	0	0	0	0.33	2.32
2002	258	23	907	365.051	-359.809	D	8.039	8.013	0.026	4.226	98.99	0	0	0	0.06	0.94
2002	259	23	786	365.973	-357.042	D	8.127	8.127	0	4.485	98.26	0	0	0	0.05	2.14
2002	260	23	929	366.032	-357.239	D	7.709	7.709	0	3.552	91.21	0.1	0	0	0.06	6.68
2002	261	23	520	362.88	-360.174	D	8.101	8.101	0	4.426	79.68	0.15	0	0	0.04	8.46
2002	262	23	1	356.546	-357.458	D	9.072	9.072	0	6.74	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	9.195	9.195	0	7.052	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	6.755	6.755	0	1.565	0	0	0	0	0	0
2002	265	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2002	266	23	1	356.546	-357.458	D	6.581	6.581	0	1.224	0	0	0	0	0	0
2002	267	23	1	356.546	-357.458	D	6.526	6.526	0	1.116	0	0	0	0	0	0
2002	268	23	822	358.021	-361.607	D	6.775	6.775	0	1.605	63.52	0.02	0	0	9.68	26.89
2002	269	23	853	361.666	-362.175	D	6.957	6.952	0.005	1.961	89.48	0.03	0	0	1.65	8.85
2002	270	23	907	365.051	-359.809	D	7.371	7.365	0.006	2.814	86.07	0	0	0	3.85	10.06
2002	271	23	1017	356.894	-355.206	D	6.761	6.76	0.001	1.575	97.51	0	0	0	0.05	2.43
2002	272	23	853	361.666	-362.175	D	7.396	7.347	0.049	2.776	98.31	0	0	0	0.23	1.46
2002	273	23	996	360.121	-355.113	D	7.807	7.756	0.051	3.655	98.25	0.01	0	0	0.09	1.65
2002	274	23	594	363.123	-354.422	D	6.998	6.998	0	2.054	95.87	0	0	0	0.15	3.05
2002	275	23	1	356.546	-357.458	D	7.125	7.125	0	2.314	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	276	23	1	356.546	-357.458	D	7.413	7.413	0	2.915	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	9.122	9.122	0	6.867	0	0	0	0	0	0
2002	278	23	1	356.546	-357.458	D	7.094	7.094	0	2.25	0	0	0	0	0	0
2002	279	23	1	356.546	-357.458	D	6.724	6.724	0	1.505	0	0	0	0	0	0
2002	280	23	1	356.546	-357.458	D	6.702	6.702	0	1.462	0	0	0	0	0	0
2002	281	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2002	282	23	853	361.666	-362.175	D	8.826	8.807	0.02	6.086	97.38	0.02	0	0	0.6	2
2002	283	23	853	361.666	-362.175	D	9.638	9.554	0.084	7.977	98.95	0.01	0	0	0.2	0.84
2002	284	23	822	358.021	-361.607	D	8.633	8.627	0.006	5.653	98.59	0	0	0	0.23	1.18
2002	285	23	811	357.434	-360.225	D	8.952	8.805	0.146	6.083	99.39	0.02	0	0	0.02	0.57
2002	286	23	219	359.98	-362.05	D	7.587	7.521	0.066	3.146	99.26	0.01	0	0	0.01	0.72
2002	287	23	1	356.546	-357.458	D	6.528	6.528	0	1.12	0	0	0	0	0	0
2002	288	23	1	356.546	-357.458	D	6.504	6.504	0	1.074	0	0	0	0	0	0
2002	289	23	1	356.546	-357.458	D	6.563	6.563	0	1.188	0	0	0	0	0	0
2002	290	23	1	356.546	-357.458	D	9.093	9.093	0	6.795	0	0	0	0	0	0
2002	291	23	1	356.546	-357.458	D	6.672	6.672	0	1.402	0	0	0	0	0	0
2002	292	23	1	356.546	-357.458	D	9.439	9.439	0	7.676	0	0	0	0	0	0
2002	293	23	1	356.546	-357.458	D	7.713	7.713	0	3.56	0	0	0	0	0	0
2002	294	23	907	365.051	-359.809	D	6.765	6.764	0.001	1.584	97.69	0	0	0	0.72	1.48
2002	295	23	900	364.265	-360.243	D	6.862	6.851	0.011	1.756	98.45	0	0	0	0.27	1.28
2002	296	23	822	358.021	-361.607	D	6.813	6.806	0.007	1.668	97.37	0.01	0	0	0.27	2.34
2002	297	23	836	360.07	-362.066	D	6.677	6.677	0	1.411	67.65	0	0	0	7.89	21.78
2002	298	23	907	365.051	-359.809	D	9.338	9.155	0.183	6.949	99.19	0.06	0	0	0.03	0.72
2002	299	23	853	361.666	-362.175	D	8.908	8.899	0.008	6.313	99.18	0.02	0	0	0.03	0.77
2002	300	23	853	361.666	-362.175	D	8.912	8.906	0.005	6.33	98.41	0.02	0	0	0.16	1.42
2002	301	23	900	364.265	-360.243	D	11.274	10.176	**1.098**	9.662	99.04	0.11	0	0	0.06	0.79
2002	302	23	1039	356.522	-357.599	D	10.384	9.753	**0.631**	8.504	99.38	0.06	0	0	0.03	0.53
2002	303	23	853	361.666	-362.175	D	8.494	8.469	0.025	5.277	99.34	0.01	0	0	0.04	0.61
2002	304	23	861	361.895	-361.506	D	8.9	8.899	0.001	6.312	97.6	0	0	0	0.28	2
2002	305	23	1	356.546	-357.458	D	7.915	7.915	0	4.007	0	0	0	0	0	0
2002	306	23	1	356.546	-357.458	D	7.559	7.559	0	3.229	0	0	0	0	0	0
2002	307	23	907	365.051	-359.809	D	10.143	10.113	0.03	9.486	99.43	0.08	0	0	0.05	0.42
2002	308	23	907	365.051	-359.809	D	9.162	9.16	0.002	6.962	99.55	0.06	0	0	0.01	0.37
2002	309	23	907	365.051	-359.809	D	9.157	9.129	0.028	6.883	99.4	0.17	0	0	0.02	0.41
2002	310	23	906	364.982	-359.812	D	7.879	7.879	0	3.927	99.78	0.02	0	0	0	0.34
2002	311	23	1	356.546	-357.458	D	6.548	6.548	0	1.16	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	6.657	6.657	0	1.373	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	8.478	8.478	0	5.298	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	8.593	8.593	0	5.57	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	315	23	1	356.546	-357.458	D	6.852	6.852	0	1.759	0	0	0	0	0	0
2002	316	23	1	356.546	-357.458	D	6.715	6.715	0	1.486	0	0	0	0	0	0
2002	317	23	1	356.546	-357.458	D	6.644	6.644	0	1.347	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	6.68	6.68	0	1.417	0	0	0	0	0	0
2002	319	23	1	356.546	-357.458	D	9.326	9.326	0	7.384	0	0	0	0	0	0
2002	320	23	1	356.546	-357.458	D	9.078	9.078	0	6.755	0	0	0	0	0	0
2002	321	23	1	356.546	-357.458	D	6.773	6.773	0	1.602	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.009	7.009	0	2.076	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	6.941	6.941	0	1.938	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	6.495	6.495	0	1.057	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	6.648	6.648	0	1.354	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.086	7.086	0	2.233	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	6.556	6.556	0	1.175	0	0	0	0	0	0
2002	328	23	1	356.546	-357.458	D	6.617	6.617	0	1.293	0	0	0	0	0	0
2002	329	23	1	356.546	-357.458	D	6.97	6.97	0	1.998	0	0	0	0	0	0
2002	330	23	1	356.546	-357.458	D	6.582	6.582	0	1.225	0	0	0	0	0	0
2002	331	23	1	356.546	-357.458	D	6.922	6.922	0	1.9	0	0	0	0	0	0
2002	332	23	1	356.546	-357.458	D	6.594	6.594	0	1.249	0	0	0	0	0	0
2002	333	23	1	356.546	-357.458	D	6.608	6.608	0	1.277	0	0	0	0	0	0
2002	334	23	1	356.546	-357.458	D	6.711	6.711	0	1.478	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	6.509	6.509	0	1.084	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	6.483	6.483	0	1.034	0	0	0	0	0	0
2002	337	23	1	356.546	-357.458	D	6.872	6.872	0	1.8	0	0	0	0	0	0
2002	338	23	1	356.546	-357.458	D	9.947	9.947	0	9.028	0	0	0	0	0	0
2002	339	23	1	356.546	-357.458	D	8.163	8.163	0	4.566	0	0	0	0	0	0
2002	340	23	1	356.546	-357.458	D	9.222	9.222	0	7.119	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.426	7.426	0	2.944	0	0	0	0	0	0
2002	342	23	1	356.546	-357.458	D	8.131	8.131	0	4.493	0	0	0	0	0	0
2002	343	23	1	356.546	-357.458	D	8.243	8.243	0	4.749	0	0	0	0	0	0
2002	344	23	78	358.239	-356.385	D	6.864	6.864	0	1.784	72.58	0	0	0	8.83	17.13
2002	345	23	822	358.021	-361.607	D	8.114	8.11	0.004	4.447	95.8	0	0	0	0.65	3.45
2002	346	23	1005	358.679	-354.752	D	7.617	7.612	0.005	3.342	98.35	0	0	0	0.05	1.57
2002	347	23	930	366.19	-357.232	D	9.237	9.056	0.18	6.702	99.06	0.14	0	0	0.05	0.75
2002	348	23	900	364.265	-360.243	D	9.55	9.535	0.016	7.926	99.16	0.11	0	0	0.01	0.71
2002	349	23	1	356.546	-357.458	D	7.203	7.203	0	2.475	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	8.634	8.634	0	5.669	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	9.503	9.503	0	7.844	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	9.613	9.613	0	8.133	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.699	7.699	0	3.532	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	354	23	1	356.546	-357.458	D	6.719	6.719	0	1.494	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	6.506	6.506	0	1.077	0	0	0	0	0	0
2002	356	23	1	356.546	-357.458	D	7.19	7.19	0	2.447	0	0	0	0	0	0
2002	357	23	361	361.165	-360.749	D	7.342	7.342	0	2.767	86.83	0.01	0	0	3.69	6.33
2002	358	23	861	361.895	-361.506	D	9.639	9.639	0	8.202	87.19	0.01	0	0	3.58	6.28
2002	359	23	1	356.546	-357.458	D	7.327	7.327	0	2.734	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.523	7.523	0	3.15	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.159	7.159	0	2.384	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.157	7.157	0	2.381	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	9.404	9.404	0	7.586	0	0	0	0	0	0
2002	365	23	1	356.546	-357.458	D	8.6	8.6	0	5.587	0	0	0	0	0	0
									1.098							

Appendix M
Hercules Glade
2003 M2

EGU											% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	1	23	907	365.051	-359.809	D	7.091	7.07	0.02	2.201	0	0	0	0	0	99.99
2003	2	23	1039	356.522	-357.599	D	9.288	9.25	0.038	7.19	0	0	0	0	0	100
2003	3	23	927	365.912	-357.454	D	8.265	8.09	0.175	4.401	0	0	0	0	0	100
2003	4	23	949	365.722	-354.966	D	6.826	6.825	0.001	1.706	0	0	0	0	0	100.06
2003	5	23	927	365.912	-357.454	D	7.748	7.61	0.138	3.337	0	0	0	0	0	100
2003	6	23	731	365.047	-358.581	D	8.347	8.306	0.041	4.896	0	0	0	0	0	100
2003	7	23	78	358.239	-356.385	D	8.6	8.571	0.029	5.518	0	0	0	0	0	100
2003	8	23	1	356.546	-357.458	D	6.824	6.824	0	1.703	0	0	0	0	0	0
2003	9	23	861	361.895	-361.506	D	7.008	6.997	0.011	2.051	0	0	0	0	0	100
2003	10	23	764	365.499	-357.562	D	6.813	6.675	0.139	1.407	0	0	0	0	0	100
2003	11	23	78	358.239	-356.385	D	6.604	6.561	0.043	1.184	0	0	0	0	0	100
2003	12	23	822	358.021	-361.607	D	6.511	6.491	0.019	1.049	0	0	0	0	0	100
2003	13	23	947	365.801	-355.162	D	6.659	6.658	0.002	1.374	0	0	0	0	0	99.91
2003	14	23	764	365.499	-357.562	D	8.814	8.799	0.015	6.068	0	0	0	0	0	99.99
2003	15	23	822	358.021	-361.607	D	6.607	6.607	0	1.274	0	0	0	0	0	99.8
2003	16	23	78	358.239	-356.385	D	8.204	8.171	0.033	4.585	0	0	0	0	0	100
2003	17	23	927	365.912	-357.454	D	7.886	7.735	0.151	3.61	0	0	0	0	0	100
2003	18	23	949	365.722	-354.966	D	6.968	6.944	0.024	1.945	0	0	0	0	0	100
2003	19	23	861	361.895	-361.506	D	6.859	6.857	0.002	1.769	0	0	0	0	0	99.99
2003	20	23	1	356.546	-357.458	D	6.636	6.636	0	1.33	0	0	0	0	0	0
2003	21	23	1017	356.894	-355.206	D	7.117	7.097	0.02	2.257	0	0	0	0	0	100
2003	22	23	907	365.051	-359.809	D	7.192	7.165	0.027	2.397	0	0	0	0	0	100
2003	23	23	822	358.021	-361.607	D	7.146	7.144	0.002	2.353	0	0	0	0	0	99.89
2003	24	23	1039	356.522	-357.599	D	6.746	6.741	0.004	1.539	0	0	0	0	0	99.97
2003	25	23	785	365.637	-355.06	D	6.498	6.496	0.001	1.059	0	0	0	0	0	99.96
2003	26	23	102	358.487	-356.374	D	7.154	7.143	0.012	2.35	0	0	0	0	0	100
2003	27	23	844	360.75	-362.146	D	6.811	6.805	0.006	1.665	0	0	0	0	0	99.99
2003	28	23	929	366.032	-357.239	D	7.222	7.222	0	2.516	0	0	0	0	0	101.42
2003	29	23	78	358.239	-356.385	D	9.301	9.286	0.016	7.281	0	0	0	0	0	99.99
2003	30	23	907	365.051	-359.809	D	9.181	9.169	0.012	6.986	0	0	0	0	0	100
2003	31	23	1006	358.469	-354.76	D	7.231	7.23	0.001	2.531	0	0	0	0	0	99.93
2003	32	23	927	365.912	-357.454	D	8.377	8.306	0.07	4.896	0	0	0	0	0	100
2003	33	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	34	23	643	363.609	-354.151	D	9.387	9.387	0	7.543	0	0	0	0	0	98.96
2003	35	23	773	365.4	-355.32	D	7.148	7.087	0.062	2.235	0	0	0	0	0	100
2003	36	23	78	358.239	-356.385	D	6.594	6.578	0.016	1.218	0	0	0	0	0	99.99
2003	37	23	933	366.169	-356.524	D	8.984	8.978	0.006	6.507	0	0	0	0	0	99.98
2003	38	23	1039	356.522	-357.599	D	7.883	7.857	0.027	3.878	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	39	23	643	363.609	-354.151	D	7.112	7.112	0	2.286	0	0	0	0	0	100.17
2003	40	23	775	365.747	-357.551	D	7.756	7.756	0	3.655	0	0	0	0	0	98.75
2003	41	23	955	364.92	-354.582	D	9.516	9.516	0.001	7.877	0	0	0	0	0	99.78
2003	42	23	949	365.722	-354.966	D	7.039	7.025	0.014	2.108	0	0	0	0	0	100
2003	43	23	78	358.239	-356.385	D	6.57	6.547	0.024	1.157	0	0	0	0	0	100
2003	44	23	974	362.281	-354.249	D	6.56	6.551	0.009	1.165	0	0	0	0	0	100
2003	45	23	642	363.62	-354.4	D	9.967	9.967	0	9.085	0	0	0	0	0	96.7
2003	46	23	563	362.941	-355.928	D	10.022	9.991	0.031	9.15	0	0	0	0	0	100
2003	47	23	927	365.912	-357.454	D	8.275	8.257	0.018	4.782	0	0	0	0	0	100
2003	48	23	967	363.478	-354.116	D	8.574	8.525	0.049	5.408	0	0	0	0	0	99.99
2003	49	23	949	365.722	-354.966	D	7.564	7.556	0.007	3.222	0	0	0	0	0	100.01
2003	50	23	947	365.801	-355.162	D	9.167	9.167	0	6.979	0	0	0	0	0	99.04
2003	51	23	907	365.051	-359.809	D	9.265	9.253	0.012	7.199	0	0	0	0	0	100.01
2003	52	23	822	358.021	-361.607	D	9.019	9.015	0.004	6.6	0	0	0	0	0	99.96
2003	53	23	102	358.487	-356.374	D	9.249	9.211	0.037	7.093	0	0	0	0	0	99.99
2003	54	23	824	358.459	-361.601	D	8.646	8.617	0.03	5.627	0	0	0	0	0	100
2003	55	23	822	358.021	-361.607	D	8.302	8.25	0.052	4.766	0	0	0	0	0	100
2003	56	23	861	361.895	-361.506	D	7.162	7.15	0.012	2.365	0	0	0	0	0	99.99
2003	57	23	1039	356.522	-357.599	D	7.725	7.714	0.01	3.564	0	0	0	0	0	99.98
2003	58	23	1017	356.894	-355.206	D	8.271	8.268	0.004	4.807	0	0	0	0	0	99.99
2003	59	23	955	364.92	-354.582	D	8.462	8.404	0.058	5.124	0	0	0	0	0	100
2003	60	23	1008	358.048	-354.775	D	9.12	9.1	0.02	6.81	0	0	0	0	0	99.99
2003	61	23	714	364.799	-358.592	D	9.322	9.158	0.165	6.956	0	0	0	0	0	100
2003	62	23	822	358.021	-361.607	D	7.507	7.488	0.018	3.076	0	0	0	0	0	100
2003	63	23	930	366.19	-357.232	D	6.95	6.95	0	1.957	0	0	0	0	0	100.35
2003	64	23	822	358.021	-361.607	D	8.151	8.136	0.016	4.505	0	0	0	0	0	100
2003	65	23	869	361.064	-360.714	D	7.641	7.557	0.083	3.224	0	0	0	0	0	100
2003	66	23	907	365.051	-359.809	D	7.125	7.123	0.002	2.309	0	0	0	0	0	99.93
2003	67	23	966	363.538	-354.124	D	7.036	7.036	0	2.132	0	0	0	0	0	99.85
2003	68	23	1039	356.522	-357.599	D	6.915	6.909	0.006	1.874	0	0	0	0	0	100.01
2003	69	23	907	365.051	-359.809	D	6.571	6.56	0.011	1.182	0	0	0	0	0	100
2003	70	23	930	366.19	-357.232	D	6.534	6.518	0.016	1.102	0	0	0	0	0	99.99
2003	71	23	947	365.801	-355.162	D	6.957	6.956	0.001	1.969	0	0	0	0	0	99.93
2003	72	23	1039	356.522	-357.599	D	8.524	8.5	0.025	5.349	0	0	0	0	0	100
2003	73	23	78	358.239	-356.385	D	7.955	7.94	0.015	4.063	0	0	0	0	0	100.01
2003	74	23	1017	356.894	-355.206	D	8.291	8.288	0.003	4.853	0	0	0	0	0	99.92
2003	75	23	10	356.954	-355.443	D	7.317	7.316	0	2.712	0	0	0	0	0	99.75
2003	76	23	1	356.546	-357.458	D	8.57	8.57	0	5.516	0	0	0	0	0	0
2003	77	23	949	365.722	-354.966	D	8.743	8.743	0	5.93	0	0	0	0	0	100.26

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	78	23	643	363.609	-354.151	D	8.893	8.892	0.001	6.296	0	0	0	0	0	99.92
2003	79	23	773	365.4	-355.32	D	9.47	9.451	0.019	7.708	0	0	0	0	0	99.98
2003	80	23	78	358.239	-356.385	D	8.578	8.525	0.054	5.408	0	0	0	0	0	100
2003	81	23	78	358.239	-356.385	D	6.626	6.524	0.102	1.112	0	0	0	0	0	100
2003	82	23	356	361.22	-361.995	D	6.548	6.547	0	1.158	0	0	0	0	0	99.17
2003	83	23	1	356.546	-357.458	D	6.769	6.769	0	1.593	0	0	0	0	0	0
2003	84	23	1017	356.894	-355.206	D	7.453	7.434	0.019	2.96	0	0	0	0	0	100
2003	85	23	927	365.912	-357.454	D	8.935	8.932	0.004	6.392	0	0	0	0	0	99.98
2003	86	23	643	363.609	-354.151	D	6.567	6.567	0.001	1.195	0	0	0	0	0	99.94
2003	87	23	949	365.722	-354.966	D	8.54	8.509	0.031	5.371	0	0	0	0	0	100
2003	88	23	927	365.912	-357.454	D	7.597	7.478	0.119	3.054	0	0	0	0	0	100
2003	89	23	927	365.912	-357.454	D	6.71	6.554	0.157	1.171	0	0	0	0	0	100
2003	90	23	933	366.169	-356.524	D	6.476	6.475	0	1.019	0	0	0	0	0	99.9
2003	91	23	1	356.546	-357.458	D	6.525	6.525	0	1.114	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	6.806	6.806	0	1.667	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.057	7.057	0	2.175	0	0	0	0	0	0
2003	94	23	1016	357.1	-355.198	D	7.929	7.929	0	4.037	0	0	0	0	0	100.05
2003	95	23	824	358.459	-361.601	D	6.933	6.89	0.043	1.835	0	0	0	0	0	100
2003	96	23	900	364.265	-360.243	D	8.381	8.376	0.005	5.059	0	0	0	0	0	99.98
2003	97	23	955	364.92	-354.582	D	9.277	9.275	0.002	7.253	0	0	0	0	0	100.03
2003	98	23	1041	356.936	-357.592	D	7.946	7.828	0.119	3.813	0	0	0	0	0	100
2003	99	23	822	358.021	-361.607	D	7.331	7.323	0.008	2.725	0	0	0	0	0	100
2003	100	23	1	356.546	-357.458	D	6.576	6.576	0	1.213	0	0	0	0	0	0
2003	101	23	1017	356.894	-355.206	D	6.51	6.475	0.034	1.018	0	0	0	0	0	100
2003	102	23	927	365.912	-357.454	D	6.598	6.498	0.1	1.063	0	0	0	0	0	100
2003	103	23	949	365.722	-354.966	D	6.539	6.526	0.013	1.117	0	0	0	0	0	100
2003	104	23	931	366.183	-356.996	D	6.62	6.62	0	1.3	0	0	0	0	0	97.97
2003	105	23	1	356.546	-357.458	D	6.611	6.611	0	1.282	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	6.649	6.649	0	1.357	0	0	0	0	0	0
2003	107	23	955	364.92	-354.582	D	8.414	8.377	0.037	5.061	0	0	0	0	0	100
2003	108	23	949	365.722	-354.966	D	8.302	8.29	0.013	4.858	0	0	0	0	0	100
2003	109	23	946	365.798	-355.322	D	8.099	8.099	0	4.421	0	0	0	0	0	98.17
2003	110	23	822	358.021	-361.607	D	9.043	9.042	0.001	6.666	0	0	0	0	0	99.92
2003	111	23	949	365.722	-354.966	D	7.269	7.258	0.011	2.59	0	0	0	0	0	99.99
2003	112	23	78	358.239	-356.385	D	6.595	6.545	0.05	1.154	0	0	0	0	0	100
2003	113	23	927	365.912	-357.454	D	6.555	6.549	0.006	1.161	0	0	0	0	0	99.97
2003	114	23	1017	356.894	-355.206	D	8.459	8.459	0	5.252	0	0	0	0	0	100.48
2003	115	23	955	364.92	-354.582	D	9.198	9.157	0.041	6.955	0	0	0	0	0	100
2003	116	23	537	362.693	-355.939	D	7.661	7.621	0.04	3.361	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	117	23	930	366.19	-357.232	D	6.919	6.914	0.005	1.884	0	0	0	0	0	100.01
2003	118	23	594	363.123	-354.422	D	7.7	7.7	0	3.533	0	0	0	0	0	98.15
2003	119	23	927	365.912	-357.454	D	8.118	8.105	0.013	4.435	0	0	0	0	0	100.01
2003	120	23	929	366.032	-357.239	D	8.108	8.108	0	4.442	0	0	0	0	0	92.14
2003	121	23	1010	357.824	-354.865	D	8.057	8.057	0.001	4.325	0	0	0	0	0	99.9
2003	122	23	78	358.239	-356.385	D	8.683	8.672	0.01	5.761	0	0	0	0	0	99.96
2003	123	23	1039	356.522	-357.599	D	8.074	8.071	0.004	4.356	0	0	0	0	0	99.99
2003	124	23	930	366.19	-357.232	D	7.092	7.083	0.008	2.229	0	0	0	0	0	99.99
2003	125	23	1	356.546	-357.458	D	8.426	8.426	0	5.177	0	0	0	0	0	0
2003	126	23	255	360.129	-359.796	D	7.211	7.211	0	2.492	0	0	0	0	0	52.99
2003	127	23	78	358.239	-356.385	D	8.526	8.486	0.04	5.317	0	0	0	0	0	100
2003	128	23	961	364.092	-354.289	D	7.468	7.458	0.01	3.012	0	0	0	0	0	99.99
2003	129	23	1	356.546	-357.458	D	7.888	7.888	0	3.947	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	8.54	8.54	0	5.445	0	0	0	0	0	0
2003	131	23	822	358.021	-361.607	D	7.449	7.449	0	2.992	0	0	0	0	0	99.89
2003	132	23	773	365.4	-355.32	D	6.695	6.623	0.072	1.305	0	0	0	0	0	100
2003	133	23	1039	356.522	-357.599	D	6.716	6.709	0.007	1.475	0	0	0	0	0	99.99
2003	134	23	1	356.546	-357.458	D	9.435	9.435	0	7.667	0	0	0	0	0	4.28
2003	135	23	927	365.912	-357.454	D	8.556	8.554	0.001	5.479	0	0	0	0	0	99.93
2003	136	23	963	363.809	-354.192	D	9.463	9.456	0.007	7.721	0	0	0	0	0	99.98
2003	137	23	965	363.588	-354.142	D	9.255	9.253	0.002	7.197	0	0	0	0	0	99.85
2003	138	23	927	365.912	-357.454	D	8.898	8.865	0.032	6.23	0	0	0	0	0	100
2003	139	23	1035	356.477	-356.792	D	8.758	8.751	0.007	5.951	0	0	0	0	0	99.99
2003	140	23	730	364.623	-354.605	D	8.119	8.116	0.003	4.459	0	0	0	0	0	99.97
2003	141	23	102	358.487	-356.374	D	6.701	6.687	0.014	1.431	0	0	0	0	0	100
2003	142	23	822	358.021	-361.607	D	6.856	6.848	0.008	1.751	0	0	0	0	0	99.98
2003	143	23	822	358.021	-361.607	D	6.621	6.615	0.005	1.29	0	0	0	0	0	99.98
2003	144	23	1017	356.894	-355.206	D	7.576	7.56	0.016	3.229	0	0	0	0	0	99.99
2003	145	23	78	358.239	-356.385	D	9.19	9.15	0.04	6.938	0	0	0	0	0	100
2003	146	23	1017	356.894	-355.206	D	7.823	7.807	0.016	3.769	0	0	0	0	0	100
2003	147	23	773	365.4	-355.32	D	6.711	6.637	0.074	1.334	0	0	0	0	0	100
2003	148	23	102	358.487	-356.374	D	6.699	6.635	0.064	1.33	0	0	0	0	0	100
2003	149	23	927	365.912	-357.454	D	7.31	7.184	0.126	2.437	0	0	0	0	0	100
2003	150	23	1039	356.522	-357.599	D	6.616	6.608	0.008	1.277	0	0	0	0	0	99.99
2003	151	23	102	358.487	-356.374	D	7.181	7.158	0.024	2.382	0	0	0	0	0	100
2003	152	23	927	365.912	-357.454	D	7.218	7.212	0.007	2.493	0	0	0	0	0	99.97
2003	153	23	811	357.434	-360.225	D	8.534	8.532	0.002	5.425	0	0	0	0	0	99.96
2003	154	23	102	358.487	-356.374	D	9.241	9.092	0.149	6.79	0	0	0	0	0	100
2003	155	23	822	358.021	-361.607	D	8.012	8.01	0.003	4.219	0	0	0	0	0	99.9

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	156	23	1017	356.894	-355.206	D	6.733	6.722	0.011	1.5	0	0	0	0	0	99.99
2003	157	23	967	363.478	-354.116	D	7.995	7.985	0.011	4.163	0	0	0	0	0	100
2003	158	23	927	365.912	-357.454	D	7.547	7.489	0.057	3.078	0	0	0	0	0	100
2003	159	23	927	365.912	-357.454	D	7.724	7.715	0.009	3.566	0	0	0	0	0	100
2003	160	23	949	365.722	-354.966	D	6.621	6.621	0	1.301	0	0	0	0	0	97.47
2003	161	23	1	356.546	-357.458	D	7.537	7.537	0	3.181	0	0	0	0	0	0
2003	162	23	949	365.722	-354.966	D	8.978	8.977	0.001	6.505	0	0	0	0	0	99.93
2003	163	23	967	363.478	-354.116	D	8.892	8.884	0.008	6.275	0	0	0	0	0	100
2003	164	23	964	363.678	-354.148	D	8.872	8.869	0.003	6.239	0	0	0	0	0	99.95
2003	165	23	822	358.021	-361.607	D	8.232	8.223	0.009	4.704	0	0	0	0	0	99.98
2003	166	23	930	366.19	-357.232	D	7.913	7.899	0.015	3.971	0	0	0	0	0	99.99
2003	167	23	1017	356.894	-355.206	D	8.022	8.009	0.013	4.217	0	0	0	0	0	99.99
2003	168	23	1008	358.048	-354.775	D	6.955	6.946	0.009	1.949	0	0	0	0	0	99.99
2003	169	23	1008	358.048	-354.775	D	7.691	7.684	0.007	3.499	0	0	0	0	0	99.99
2003	170	23	964	363.678	-354.148	D	8.271	8.226	0.045	4.712	0	0	0	0	0	100
2003	171	23	78	358.239	-356.385	D	8.6	8.589	0.011	5.562	0	0	0	0	0	99.97
2003	172	23	927	365.912	-357.454	D	6.92	6.919	0.002	1.893	0	0	0	0	0	99.96
2003	173	23	62	357.925	-354.901	D	6.849	6.849	0	1.754	0	0	0	0	0	100.31
2003	174	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.954	7.954	0	4.094	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2003	177	23	927	365.912	-357.454	D	8.476	8.455	0.021	5.244	0	0	0	0	0	99.99
2003	178	23	78	358.239	-356.385	D	6.818	6.78	0.039	1.615	0	0	0	0	0	100
2003	179	23	1017	356.894	-355.206	D	6.656	6.642	0.014	1.343	0	0	0	0	0	99.99
2003	180	23	1008	358.048	-354.775	D	6.699	6.696	0.003	1.448	0	0	0	0	0	99.93
2003	181	23	62	357.925	-354.901	D	6.985	6.984	0.001	2.026	0	0	0	0	0	99.95
2003	182	23	476	361.894	-354.726	D	8.488	8.488	0	5.322	0	0	0	0	0	97.04
2003	183	23	1017	356.894	-355.206	D	7.869	7.864	0.005	3.893	0	0	0	0	0	100
2003	184	23	1008	358.048	-354.775	D	7.54	7.538	0.002	3.182	0	0	0	0	0	99.97
2003	185	23	932	366.176	-356.761	D	7.018	7.018	0	2.095	0	0	0	0	0	96.45
2003	186	23	1	356.546	-357.458	D	7.047	7.047	0	2.154	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.775	7.775	0	3.698	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.13	7.13	0	2.323	0	0	0	0	0	0
2003	191	23	949	365.722	-354.966	D	7.711	7.709	0.002	3.552	0	0	0	0	0	100.06
2003	192	23	102	358.487	-356.374	D	6.989	6.906	0.084	1.867	0	0	0	0	0	100
2003	193	23	949	365.722	-354.966	D	7.703	7.703	0.001	3.539	0	0	0	0	0	99.9
2003	194	23	949	365.722	-354.966	D	7.468	7.459	0.009	3.013	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	195	23	1017	356.894	-355.206	D	8.569	8.562	0.006	5.497	0	0	0	0	0	99.98
2003	196	23	774	365.389	-355.071	D	8.44	8.44	0	5.208	0	0	0	0	0	99.98
2003	197	23	869	361.064	-360.714	D	7.146	7.097	0.049	2.256	0	0	0	0	0	100
2003	198	23	941	365.977	-355.774	D	7.072	7.071	0.001	2.203	0	0	0	0	0	99.86
2003	199	23	930	366.19	-357.232	D	6.917	6.917	0	1.89	0	0	0	0	0	99.96
2003	200	23	932	366.176	-356.761	D	8.005	8.005	0	4.209	0	0	0	0	0	97.52
2003	201	23	949	365.722	-354.966	D	8.703	8.703	0.001	5.834	0	0	0	0	0	100.12
2003	202	23	949	365.722	-354.966	D	7.758	7.75	0.008	3.643	0	0	0	0	0	99.99
2003	203	23	822	358.021	-361.607	D	7.394	7.377	0.018	2.839	0	0	0	0	0	100
2003	204	23	822	358.021	-361.607	D	7.009	7.009	0	2.076	0	0	0	0	0	100.13
2003	205	23	846	360.93	-362.178	D	6.8	6.796	0.004	1.647	0	0	0	0	0	99.98
2003	206	23	852	361.595	-362.148	D	7.028	7.015	0.014	2.088	0	0	0	0	0	99.99
2003	207	23	1017	356.894	-355.206	D	6.96	6.959	0.001	1.976	0	0	0	0	0	99.84
2003	208	23	929	366.032	-357.239	D	6.964	6.964	0	1.985	0	0	0	0	0	56.95
2003	209	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	210	23	1007	358.259	-354.768	D	8.44	8.429	0.011	5.183	0	0	0	0	0	100
2003	211	23	1017	356.894	-355.206	D	8.958	8.949	0.01	6.435	0	0	0	0	0	99.99
2003	212	23	949	365.722	-354.966	D	8.141	8.121	0.02	4.472	0	0	0	0	0	99.99
2003	213	23	933	366.169	-356.524	D	7.042	7.04	0.002	2.14	0	0	0	0	0	99.96
2003	214	23	785	365.637	-355.06	D	7.727	7.727	0	3.591	0	0	0	0	0	97.59
2003	215	23	955	364.92	-354.582	D	8.468	8.451	0.017	5.235	0	0	0	0	0	99.99
2003	216	23	949	365.722	-354.966	D	7.175	7.161	0.014	2.388	0	0	0	0	0	100
2003	217	23	78	358.239	-356.385	D	7.709	7.65	0.058	3.425	0	0	0	0	0	100
2003	218	23	1039	356.522	-357.599	D	8.393	8.359	0.033	5.02	0	0	0	0	0	99.99
2003	219	23	947	365.801	-355.162	D	8.136	8.127	0.008	4.485	0	0	0	0	0	99.98
2003	220	23	930	366.19	-357.232	D	6.881	6.878	0.003	1.811	0	0	0	0	0	99.97
2003	221	23	1039	356.522	-357.599	D	6.873	6.871	0.002	1.798	0	0	0	0	0	99.98
2003	222	23	949	365.722	-354.966	D	6.953	6.945	0.008	1.946	0	0	0	0	0	99.98
2003	223	23	907	365.051	-359.809	D	6.822	6.811	0.011	1.677	0	0	0	0	0	100
2003	224	23	1017	356.894	-355.206	D	7.121	7.101	0.02	2.265	0	0	0	0	0	99.99
2003	225	23	1017	356.894	-355.206	D	7.665	7.661	0.004	3.448	0	0	0	0	0	100
2003	226	23	15	357.659	-360.155	D	9.005	9.004	0	6.572	0	0	0	0	0	99.39
2003	227	23	949	365.722	-354.966	D	7.104	7.102	0.002	2.267	0	0	0	0	0	99.96
2003	228	23	949	365.722	-354.966	D	6.941	6.911	0.031	1.877	0	0	0	0	0	100
2003	229	23	949	365.722	-354.966	D	6.801	6.785	0.016	1.625	0	0	0	0	0	99.99
2003	230	23	955	364.92	-354.582	D	6.816	6.789	0.026	1.634	0	0	0	0	0	99.99
2003	231	23	949	365.722	-354.966	D	7.03	7.021	0.008	2.102	0	0	0	0	0	99.98
2003	232	23	930	366.19	-357.232	D	7.146	7.143	0.003	2.351	0	0	0	0	0	100
2003	233	23	930	366.19	-357.232	D	6.863	6.861	0.001	1.778	0	0	0	0	0	100.01

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	234	23	966	363.538	-354.124	D	7.06	7.045	0.015	2.15	0	0	0	0	0	100
2003	235	23	907	365.051	-359.809	D	7.026	7.019	0.007	2.097	0	0	0	0	0	100
2003	236	23	822	358.021	-361.607	D	7.866	7.855	0.011	3.873	0	0	0	0	0	100
2003	237	23	1017	356.894	-355.206	D	7.713	7.708	0.005	3.55	0	0	0	0	0	99.96
2003	238	23	931	366.183	-356.996	D	7.206	7.204	0.002	2.477	0	0	0	0	0	100.01
2003	239	23	782	365.67	-355.807	D	7.03	7.029	0	2.118	0	0	0	0	0	99.33
2003	240	23	1	356.546	-357.458	D	7.035	7.035	0	2.13	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	8.765	8.765	0	5.985	0	0	0	0	0	0
2003	242	23	906	364.982	-359.812	D	9.342	9.342	0	7.425	0	0	0	0	0	95.85
2003	243	23	906	364.982	-359.812	D	9.378	9.377	0.001	7.517	0	0	0	0	0	99.64
2003	244	23	1017	356.894	-355.206	D	9.054	9.054	0	6.695	0	0	0	0	0	97.33
2003	245	23	949	365.722	-354.966	D	9.652	9.651	0.001	8.234	0	0	0	0	0	100.01
2003	246	23	811	357.434	-360.225	D	9.185	9.147	0.038	6.93	0	0	0	0	0	100
2003	247	23	810	357.434	-360.005	D	7.728	7.727	0	3.593	0	0	0	0	0	99.92
2003	248	23	731	365.047	-358.581	D	6.755	6.743	0.012	1.542	0	0	0	0	0	100
2003	249	23	1017	356.894	-355.206	D	6.882	6.86	0.021	1.776	0	0	0	0	0	100
2003	250	23	1017	356.894	-355.206	D	6.921	6.92	0.002	1.895	0	0	0	0	0	99.96
2003	251	23	832	359.493	-362.061	D	6.832	6.831	0.002	1.717	0	0	0	0	0	99.93
2003	252	23	811	357.434	-360.225	D	7.108	7.107	0.001	2.276	0	0	0	0	0	99.83
2003	253	23	941	365.977	-355.774	D	7.304	7.303	0.001	2.683	0	0	0	0	0	99.85
2003	254	23	595	363.624	-360.142	D	8.306	8.306	0	4.895	0	0	0	0	0	80.18
2003	255	23	1	356.546	-357.458	D	9.772	9.772	0	8.557	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2003	257	23	78	358.239	-356.385	D	8.501	8.451	0.051	5.234	0	0	0	0	0	100
2003	258	23	78	358.239	-356.385	D	6.789	6.72	0.069	1.496	0	0	0	0	0	100
2003	259	23	948	365.727	-355.056	D	6.7	6.697	0.003	1.452	0	0	0	0	0	99.94
2003	260	23	949	365.722	-354.966	D	6.864	6.862	0.002	1.78	0	0	0	0	0	99.97
2003	261	23	929	366.032	-357.239	D	6.901	6.901	0	1.857	0	0	0	0	0	101.77
2003	262	23	78	358.239	-356.385	D	7.682	7.657	0.025	3.439	0	0	0	0	0	100
2003	263	23	931	366.183	-356.996	D	6.603	6.593	0.01	1.247	0	0	0	0	0	100.01
2003	264	23	947	365.801	-355.162	D	6.885	6.876	0.009	1.807	0	0	0	0	0	100
2003	265	23	949	365.722	-354.966	D	9.18	9.139	0.041	6.909	0	0	0	0	0	99.99
2003	266	23	714	364.799	-358.592	D	6.948	6.917	0.03	1.89	0	0	0	0	0	100
2003	267	23	1017	356.894	-355.206	D	6.879	6.878	0.001	1.812	0	0	0	0	0	100.1
2003	268	23	731	365.047	-358.581	D	6.743	6.73	0.014	1.516	0	0	0	0	0	100
2003	269	23	907	365.051	-359.809	D	6.923	6.917	0.006	1.889	0	0	0	0	0	100
2003	270	23	78	358.239	-356.385	D	7.651	7.613	0.038	3.344	0	0	0	0	0	100
2003	271	23	102	358.487	-356.374	D	6.848	6.751	0.097	1.558	0	0	0	0	0	100
2003	272	23	1017	356.894	-355.206	D	6.559	6.538	0.022	1.139	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	273	23	822	358.021	-361.607	D	6.738	6.723	0.015	1.502	0	0	0	0	0	100
2003	274	23	845	360.851	-362.181	D	9.053	9.051	0.002	6.688	0	0	0	0	0	99.81
2003	275	23	78	358.239	-356.385	D	6.648	6.592	0.056	1.246	0	0	0	0	0	100
2003	276	23	929	366.032	-357.239	D	6.787	6.784	0.003	1.624	0	0	0	0	0	99.99
2003	277	23	78	358.239	-356.385	D	7.029	6.985	0.044	2.027	0	0	0	0	0	100
2003	278	23	811	357.434	-360.225	D	6.665	6.65	0.014	1.359	0	0	0	0	0	100
2003	279	23	822	358.021	-361.607	D	8.769	8.765	0.004	5.986	0	0	0	0	0	99.96
2003	280	23	907	365.051	-359.809	D	7.224	7.217	0.007	2.505	0	0	0	0	0	100.01
2003	281	23	1017	356.894	-355.206	D	7.328	7.326	0.001	2.733	0	0	0	0	0	100.03
2003	282	23	10	356.954	-355.443	D	8.877	8.877	0	6.259	0	0	0	0	0	98.24
2003	283	23	78	358.239	-356.385	D	9.665	9.663	0.002	8.265	0	0	0	0	0	99.86
2003	284	23	1	356.546	-357.458	D	9.486	9.486	0	7.798	0	0	0	0	0	83.69
2003	285	23	78	358.239	-356.385	D	7.661	7.649	0.012	3.421	0	0	0	0	0	99.99
2003	286	23	947	365.801	-355.162	D	6.732	6.728	0.004	1.512	0	0	0	0	0	99.97
2003	287	23	1039	356.522	-357.599	D	8.766	8.738	0.028	5.92	0	0	0	0	0	100
2003	288	23	102	358.487	-356.374	D	6.845	6.773	0.071	1.602	0	0	0	0	0	100
2003	289	23	932	366.176	-356.761	D	6.604	6.604	0	1.268	0	0	0	0	0	100.21
2003	290	23	907	365.051	-359.809	D	7.873	7.857	0.016	3.878	0	0	0	0	0	99.99
2003	291	23	1017	356.894	-355.206	D	6.587	6.586	0.001	1.234	0	0	0	0	0	99.95
2003	292	23	845	360.851	-362.181	D	6.63	6.629	0.001	1.318	0	0	0	0	0	100.06
2003	293	23	380	361.468	-361.984	D	6.78	6.78	0	1.615	0	0	0	0	0	88.4
2003	294	23	78	358.239	-356.385	D	6.786	6.763	0.022	1.582	0	0	0	0	0	100
2003	295	23	102	358.487	-356.374	D	6.84	6.701	0.139	1.459	0	0	0	0	0	100
2003	296	23	78	358.239	-356.385	D	6.689	6.652	0.037	1.362	0	0	0	0	0	99.99
2003	297	23	1039	356.522	-357.599	D	6.601	6.593	0.007	1.248	0	0	0	0	0	99.99
2003	298	23	927	365.912	-357.454	D	7.794	7.771	0.023	3.689	0	0	0	0	0	100
2003	299	23	927	365.912	-357.454	D	7.782	7.776	0.006	3.699	0	0	0	0	0	100.01
2003	300	23	927	365.912	-357.454	D	6.634	6.56	0.074	1.183	0	0	0	0	0	100
2003	301	23	961	364.092	-354.289	D	6.92	6.893	0.026	1.842	0	0	0	0	0	100
2003	302	23	714	364.799	-358.592	D	6.608	6.559	0.048	1.181	0	0	0	0	0	100
2003	303	23	247	360.217	-361.79	D	7.333	7.333	0	2.748	0	0	0	0	0	6.62
2003	304	23	1017	356.894	-355.206	D	8.922	8.921	0	6.367	0	0	0	0	0	100.07
2003	305	23	1017	356.894	-355.206	D	7.711	7.695	0.016	3.522	0	0	0	0	0	99.99
2003	306	23	10	356.954	-355.443	D	8.897	8.897	0	6.307	0	0	0	0	0	101.13
2003	307	23	1	356.546	-357.458	D	8.069	8.069	0	4.352	0	0	0	0	0	0
2003	308	23	1016	357.1	-355.198	D	7.395	7.394	0.001	2.876	0	0	0	0	0	99.98
2003	309	23	78	358.239	-356.385	D	7.883	7.856	0.027	3.876	0	0	0	0	0	100
2003	310	23	927	365.912	-357.454	D	8.429	8.406	0.023	5.128	0	0	0	0	0	100
2003	311	23	731	365.047	-358.581	D	7.113	7.066	0.047	2.192	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	312	23	78	358.239	-356.385	D	6.602	6.575	0.026	1.212	0	0	0	0	0	100
2003	313	23	754	365.229	-357.075	D	6.505	6.499	0.006	1.063	0	0	0	0	0	99.99
2003	314	23	907	365.051	-359.809	D	6.618	6.617	0.001	1.293	0	0	0	0	0	100
2003	315	23	1	356.546	-357.458	D	7.24	7.24	0	2.552	0	0	0	0	0	0
2003	316	23	102	358.487	-356.374	D	8.858	8.831	0.027	6.146	0	0	0	0	0	100
2003	317	23	1037	356.5	-357.195	D	6.55	6.511	0.039	1.087	0	0	0	0	0	100
2003	318	23	1039	356.522	-357.599	D	7.319	7.313	0.006	2.705	0	0	0	0	0	100.01
2003	319	23	900	364.265	-360.243	D	9.262	9.262	0	7.221	0	0	0	0	0	87.97
2003	320	23	1	356.546	-357.458	D	9.803	9.803	0	8.638	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	9.92	9.92	0	8.955	0	0	0	0	0	0
2003	322	23	811	357.434	-360.225	D	9.838	9.813	0.024	8.667	0	0	0	0	0	100
2003	323	23	78	358.239	-356.385	D	7.507	7.47	0.037	3.036	0	0	0	0	0	100
2003	324	23	1	356.546	-357.458	D	6.761	6.761	0	1.579	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.385	7.385	0	2.857	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	9.413	9.413	0	7.61	0	0	0	0	0	0
2003	327	23	1017	356.894	-355.206	D	8.917	8.915	0.002	6.352	0	0	0	0	0	99.73
2003	328	23	949	365.722	-354.966	D	7.281	7.278	0.002	2.632	0	0	0	0	0	99.95
2003	329	23	569	362.875	-354.433	D	6.537	6.537	0	1.138	0	0	0	0	0	87.01
2003	330	23	1	356.546	-357.458	D	7.139	7.139	0	2.342	0	0	0	0	0	0
2003	331	23	78	358.239	-356.385	D	8.574	8.565	0.009	5.504	0	0	0	0	0	99.97
2003	332	23	927	365.912	-357.454	D	6.797	6.753	0.044	1.561	0	0	0	0	0	100
2003	333	23	78	358.239	-356.385	D	6.587	6.508	0.079	1.082	0	0	0	0	0	100
2003	334	23	1	356.546	-357.458	D	6.569	6.569	0	1.199	0	0	0	0	0	0
2003	335	23	714	364.799	-358.592	D	6.67	6.65	0.02	1.358	0	0	0	0	0	100
2003	336	23	927	365.912	-357.454	D	6.513	6.505	0.008	1.075	0	0	0	0	0	99.98
2003	337	23	785	365.637	-355.06	D	8.549	8.549	0	5.465	0	0	0	0	0	99.69
2003	338	23	957	364.513	-354.595	D	9.52	9.316	0.204	7.358	0	0	0	0	0	100
2003	339	23	949	365.722	-354.966	D	7.818	7.767	0.051	3.68	0	0	0	0	0	100
2003	340	23	824	358.459	-361.601	D	8.15	8.077	0.072	4.371	0	0	0	0	0	100
2003	341	23	1017	356.894	-355.206	D	6.66	6.655	0.005	1.369	0	0	0	0	0	99.98
2003	342	23	1	356.546	-357.458	D	7.19	7.19	0	2.448	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	9.624	9.624	0	8.161	0	0	0	0	0	0
2003	344	23	949	365.722	-354.966	D	9.066	9.057	0.009	6.703	0	0	0	0	0	99.98
2003	345	23	869	361.064	-360.714	D	8.125	8.093	0.032	4.407	0	0	0	0	0	100
2003	346	23	836	360.07	-362.066	D	7.189	7.181	0.008	2.43	0	0	0	0	0	100
2003	347	23	714	364.799	-358.592	D	9.322	9.315	0.007	7.357	0	0	0	0	0	99.99
2003	348	23	927	365.912	-357.454	D	9.401	9.388	0.012	7.545	0	0	0	0	0	99.99
2003	349	23	933	366.169	-356.524	D	9.36	9.359	0.001	7.47	0	0	0	0	0	99.9
2003	350	23	955	364.92	-354.582	D	8.716	8.702	0.015	5.832	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	351	23	773	365.4	-355.32	D	7.999	7.989	0.01	4.174	0	0	0	0	0	100.01
2003	352	23	955	364.92	-354.582	D	7.421	7.408	0.012	2.906	0	0	0	0	0	100.01
2003	353	23	927	365.912	-357.454	D	8.442	8.398	0.044	5.11	0	0	0	0	0	100
2003	354	23	869	361.064	-360.714	D	6.939	6.89	0.049	1.836	0	0	0	0	0	100
2003	355	23	933	366.169	-356.524	D	6.683	6.682	0.001	1.421	0	0	0	0	0	99.96
2003	356	23	1	356.546	-357.458	D	9.006	9.006	0	6.576	0	0	0	0	0	0
2003	357	23	811	357.434	-360.225	D	9.435	9.409	0.026	7.598	0	0	0	0	0	99.99
2003	358	23	78	358.239	-356.385	D	8.467	8.405	0.063	5.125	0	0	0	0	0	100
2003	359	23	822	358.021	-361.607	D	6.69	6.678	0.012	1.413	0	0	0	0	0	99.99
2003	360	23	949	365.722	-354.966	D	7.323	7.321	0.001	2.722	0	0	0	0	0	99.93
2003	361	23	784	365.648	-355.309	D	6.82	6.82	0	1.695	0	0	0	0	0	99.85
2003	362	23	1	356.546	-357.458	D	8.396	8.396	0	5.106	0	0	0	0	0	0
2003	363	23	927	365.912	-357.454	D	7.246	7.222	0.024	2.514	0	0	0	0	0	100
2003	364	23	774	365.389	-355.071	D	6.64	6.64	0	1.34	0	0	0	0	0	100.99
									0.204							
EXIDE											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.068	7.068	0	2.196	0	0	0	0	0	0
2003	2	23	1	356.546	-357.458	D	9.25	9.25	0	7.19	0	0	0	0	0	0
2003	3	23	823	358.24	-361.604	D	8.008	8.005	0.003	4.209	82.99	12.33	0	0	0	4.65
2003	4	23	785	365.637	-355.06	D	6.825	6.825	0	1.706	87.28	7.66	0	0	0	5.46
2003	5	23	933	366.169	-356.524	D	7.597	7.595	0.002	3.304	75.57	19.09	0	0	0	5.4
2003	6	23	949	365.722	-354.966	D	8.31	8.306	0.004	4.896	93.02	6.22	0	0	0	0.76
2003	7	23	996	360.121	-355.113	D	8.596	8.596	0.001	5.577	91.58	6.88	0	0	0	1.21
2003	8	23	247	360.217	-361.79	D	6.82	6.82	0	1.695	80.36	2.91	0	0	0	2.95
2003	9	23	709	364.375	-354.616	D	6.997	6.997	0	2.051	81.64	11.55	0	0	0	6.97
2003	10	23	904	364.594	-359.819	D	6.675	6.675	0	1.407	60.14	21.1	0	0	0	18.78
2003	11	23	1	356.546	-357.458	D	6.561	6.561	0.001	1.184	72.51	13.44	0	0	0	14.24
2003	12	23	1017	356.894	-355.206	D	6.491	6.491	0	1.048	83.33	8.48	0	0	0	7.73
2003	13	23	724	364.689	-356.1	D	6.658	6.658	0	1.374	89.54	5.73	0	0	0	3.45
2003	14	23	1017	356.894	-355.206	D	8.813	8.811	0.002	6.098	89	9.76	0	0	0	1.28
2003	15	23	810	357.434	-360.005	D	6.607	6.607	0	1.274	90.79	4.34	0	0	0	3.85
2003	16	23	1	356.546	-357.458	D	8.171	8.171	0	4.585	93.61	4.99	0	0	0	0.56
2003	17	23	822	358.021	-361.607	D	7.736	7.735	0.001	3.609	84.85	9.3	0	0	0	5.92
2003	18	23	596	363.613	-359.892	D	6.945	6.944	0.001	1.945	84.74	9.49	0	0	0	5.73
2003	19	23	1	356.546	-357.458	D	6.858	6.858	0	1.771	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	6.636	6.636	0	1.33	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	21	23	1002	359.309	-354.73	D	7.1	7.097	0.002	2.257	93.8	5.16	0	0	0	1.04
2003	22	23	1	356.546	-357.458	D	7.178	7.178	0	2.424	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.144	7.144	0	2.353	0	0	0	0	0	0
2003	24	23	810	357.434	-360.005	D	6.733	6.733	0	1.522	81.09	9.78	0	0	0	6.06
2003	25	23	10	356.954	-355.443	D	6.497	6.496	0	1.059	86.07	9.42	0	0	0	3.99
2003	26	23	1039	356.522	-357.599	D	7.147	7.143	0.005	2.35	89.27	9.02	0	0	0	1.71
2003	27	23	44	358.21	-361.379	D	6.817	6.816	0	1.688	90.09	5.75	0	0	0	3.94
2003	28	23	932	366.176	-356.761	D	7.223	7.222	0	2.516	91.96	5.64	0	0	0	2.07
2003	29	23	1	356.546	-357.458	D	9.286	9.286	0	7.281	0	0	0	0	0	0
2003	30	23	1	356.546	-357.458	D	9.166	9.166	0	6.978	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.23	7.23	0	2.531	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	34	23	1008	358.048	-354.775	D	9.354	9.353	0.001	7.455	96.31	3.17	0	0	0	0.48
2003	35	23	1	356.546	-357.458	D	7.087	7.087	0	2.235	0	0	0	0	0	0
2003	36	23	947	365.801	-355.162	D	6.58	6.579	0.001	1.219	87.25	6.04	0	0	0	6.64
2003	37	23	1017	356.894	-355.206	D	9.014	9.01	0.004	6.587	94.74	4.58	0	0	0	0.61
2003	38	23	900	364.265	-360.243	D	7.946	7.94	0.005	4.063	95.14	4.18	0	0	0	0.69
2003	39	23	929	366.032	-357.239	D	7.095	7.095	0	2.252	34.71	4.13	0	0	0	1.72
2003	40	23	929	366.032	-357.239	D	7.736	7.736	0	3.612	89.44	5.16	0	0	0	0.6
2003	41	23	929	366.032	-357.239	D	9.504	9.504	0	7.846	92.36	5.04	0	0	0	0.28
2003	42	23	1	356.546	-357.458	D	7.016	7.016	0	2.09	0	0	0	0	0	0
2003	43	23	821	358.053	-361.416	D	6.543	6.542	0	1.148	60.89	15.42	0	0	0	23.22
2003	44	23	693	364.551	-358.603	D	6.551	6.551	0	1.165	86.82	5.74	0	0	0	6.53
2003	45	23	298	360.201	-355.799	D	9.967	9.967	0	9.085	79.15	3.99	0	0	0	0.8
2003	46	23	404	361.172	-355.257	D	9.991	9.991	0	9.15	12.7	0.48	0	0	0	0.02
2003	47	23	1	356.546	-357.458	D	8.295	8.295	0	4.87	0	0	0	0	0	0
2003	48	23	1	356.546	-357.458	D	8.589	8.589	0	5.562	0	0	0	0	0	0
2003	49	23	810	357.434	-360.005	D	7.466	7.466	0	3.028	92.97	2.98	0	0	0	0.99
2003	50	23	10	356.954	-355.443	D	9.167	9.167	0	6.979	90.41	3.18	0	0	0	1.49
2003	51	23	44	358.21	-361.379	D	9.255	9.253	0.002	7.199	96.21	3.26	0	0	0	0.42
2003	52	23	10	356.954	-355.443	D	9.012	9.011	0	6.59	97.47	1.59	0	0	0	0.35
2003	53	23	1	356.546	-357.458	D	9.212	9.211	0	7.093	95.25	3	0	0	0	0.81
2003	54	23	1	356.546	-357.458	D	8.617	8.617	0	5.627	0	0	0	0	0	0
2003	55	23	10	356.954	-355.443	D	8.255	8.255	0	4.777	93.16	6.81	0	0	0	2.57
2003	56	23	822	358.021	-361.607	D	7.162	7.16	0.002	2.386	92.34	5.75	0	0	0	1.8
2003	57	23	1017	356.894	-355.206	D	7.716	7.714	0.002	3.564	95.37	3.77	0	0	0	0.77
2003	58	23	1005	358.679	-354.752	D	8.269	8.268	0.001	4.807	96.78	2.82	0	0	0	0.42
2003	59	23	961	364.092	-354.289	D	8.405	8.404	0.001	5.124	97.3	2.19	0	0	0	0.31

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	60	23	933	366.169	-356.524	D	9.165	9.164	0.001	6.972	97.95	1.84	0	0	0	0.19
2003	61	23	949	365.722	-354.966	D	9.165	9.158	0.007	6.956	95.19	3.84	0	0	0	0.95
2003	62	23	832	359.493	-362.061	D	7.492	7.488	0.004	3.076	93.45	5.09	0	0	0	1.43
2003	63	23	907	365.051	-359.809	D	6.964	6.96	0.004	1.978	97.61	1.39	0	0	0	0.98
2003	64	23	961	364.092	-354.289	D	8.112	8.111	0.001	4.448	96.66	2.68	0	0	0	0.55
2003	65	23	929	366.032	-357.239	D	7.645	7.645	0	3.413	96.31	2.94	0	0	0	0.44
2003	66	23	1017	356.894	-355.206	D	7.122	7.121	0.001	2.306	95.11	3.05	0	0	0	1.56
2003	67	23	62	357.925	-354.901	D	7.027	7.027	0	2.114	94.67	1.17	0	0	0	2.16
2003	68	23	822	358.021	-361.607	D	6.912	6.909	0.003	1.874	93.56	4.37	0	0	0	2.06
2003	69	23	15	357.659	-360.155	D	6.559	6.559	0	1.181	89.72	0.45	0	0	0	3.18
2003	70	23	44	358.21	-361.379	D	6.524	6.523	0	1.111	96.36	0.91	0	0	0	2.48
2003	71	23	643	363.609	-354.151	D	6.956	6.956	0	1.969	96.95	0.9	0	0	0	1.48
2003	72	23	1017	356.894	-355.206	D	8.501	8.5	0.002	5.349	95.81	2.94	0	0	0	1.11
2003	73	23	811	357.434	-360.225	D	7.941	7.94	0	4.063	97.53	1.41	0	0	0	1.04
2003	74	23	1017	356.894	-355.206	D	8.288	8.288	0	4.853	96.81	1.49	0	0	0	0.44
2003	75	23	1	356.546	-357.458	D	7.316	7.316	0	2.712	0	0	0	0	0	0
2003	76	23	1	356.546	-357.458	D	8.57	8.57	0	5.516	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	8.739	8.739	0	5.922	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	8.895	8.895	0	6.301	0	0	0	0	0	0
2003	79	23	1	356.546	-357.458	D	9.446	9.446	0	7.695	0	0	0	0	0	0
2003	80	23	822	358.021	-361.607	D	8.5	8.499	0.001	5.349	93.72	4.32	0	0	0	2.35
2003	81	23	851	361.512	-362.072	D	6.522	6.522	0	1.109	89.29	1.95	0	0	0	8.34
2003	82	23	356	361.22	-361.995	D	6.548	6.547	0	1.158	93.96	0.57	0	0	0	3.86
2003	83	23	1	356.546	-357.458	D	6.769	6.769	0	1.593	0	0	0	0	0	0
2003	84	23	934	366.01	-356.526	D	7.491	7.491	0	3.082	96.66	2.21	0	0	0	1.08
2003	85	23	907	365.051	-359.809	D	8.932	8.932	0	6.392	96.83	2.39	0	0	0	0.35
2003	86	23	1	356.546	-357.458	D	6.566	6.566	0	1.193	0	0	0	0	0	0
2003	87	23	774	365.389	-355.071	D	8.509	8.509	0	5.371	90.98	6.92	0	0	0	0.76
2003	88	23	949	365.722	-354.966	D	7.479	7.478	0.001	3.054	82.39	13.8	0	0	0	3.71
2003	89	23	1	356.546	-357.458	D	6.549	6.548	0.001	1.16	79.17	8.7	0	0	0	11.62
2003	90	23	619	363.872	-360.131	D	6.475	6.475	0	1.018	74.03	4.81	0	0	0	9.83
2003	91	23	1	356.546	-357.458	D	6.525	6.525	0	1.114	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	6.806	6.806	0	1.667	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.057	7.057	0	2.175	0	0	0	0	0	0
2003	94	23	643	363.609	-354.151	D	7.941	7.941	0	4.064	93.68	0.95	0	0	0	3.18
2003	95	23	1017	356.894	-355.206	D	6.896	6.895	0.001	1.846	88.34	7.88	0	0	0	3.79
2003	96	23	784	365.648	-355.309	D	8.434	8.433	0	5.193	98.03	1.35	0	0	0	0.12
2003	97	23	476	361.894	-354.726	D	9.275	9.275	0	7.253	97.25	1.1	0	0	0	0.04
2003	98	23	933	366.169	-356.524	D	7.828	7.815	0.013	3.786	91.49	7.22	0	0	0	1.28

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	99	23	1	356.546	-357.458	D	7.347	7.347	0	2.776	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	6.576	6.576	0	1.213	0	0	0	0	0	0
2003	101	23	1	356.546	-357.458	D	6.475	6.475	0	1.018	91.74	0.46	0	0	0	3.44
2003	102	23	1	356.546	-357.458	D	6.498	6.498	0	1.062	92.72	0.19	0	0	0	2.69
2003	103	23	255	360.129	-359.796	D	6.526	6.526	0	1.117	96.31	0.12	0	0	0	2.32
2003	104	23	1	356.546	-357.458	D	6.619	6.619	0	1.299	90.77	0.13	0	0	0	1.69
2003	105	23	1	356.546	-357.458	D	6.611	6.611	0	1.282	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	6.649	6.649	0	1.357	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	8.382	8.377	0.005	5.061	88.01	9.8	0	0	0	2.16
2003	108	23	949	365.722	-354.966	D	8.294	8.29	0.004	4.858	97	2.23	0	0	0	0.78
2003	109	23	930	366.19	-357.232	D	8.078	8.078	0	4.374	97.47	0.2	0	0	0	0.73
2003	110	23	1017	356.894	-355.206	D	9.059	9.042	0.017	6.666	97.53	1.86	0	0	0	0.6
2003	111	23	519	362.902	-360.673	D	7.189	7.189	0	2.446	41.29	0.02	0	0	0	0.5
2003	112	23	905	364.788	-359.816	D	6.551	6.55	0	1.164	87.96	3.26	0	0	0	8.88
2003	113	23	1039	356.522	-357.599	D	6.556	6.556	0	1.174	96.22	0.79	0	0	0	2.84
2003	114	23	1	356.546	-357.458	D	8.459	8.459	0	5.252	0	0	0	0	0	0
2003	115	23	821	358.053	-361.416	D	9.147	9.147	0	6.929	98.34	1.84	0	0	0	2.3
2003	116	23	1	356.546	-357.458	D	7.741	7.741	0	3.624	0	0	0	0	0	0
2003	117	23	1	356.546	-357.458	D	6.934	6.934	0	1.924	93.27	0.28	0	0	0	1.3
2003	118	23	255	360.129	-359.796	D	7.7	7.7	0	3.533	60.3	0.1	0	0	0	0.35
2003	119	23	1	356.546	-357.458	D	8.099	8.099	0	4.421	0	0	0	0	0	0
2003	120	23	1	356.546	-357.458	D	8.15	8.15	0	4.536	0	0	0	0	0	0
2003	121	23	10	356.954	-355.443	D	8.057	8.057	0	4.325	98.58	0.24	0	0	0	1.32
2003	122	23	1017	356.894	-355.206	D	8.678	8.672	0.005	5.761	97.35	2.08	0	0	0	0.51
2003	123	23	853	361.666	-362.175	D	8.099	8.096	0.003	4.414	98.96	0.62	0	0	0	0.45
2003	124	23	900	364.265	-360.243	D	7.075	7.074	0.001	2.209	99.06	0.2	0	0	0	0.75
2003	125	23	1	356.546	-357.458	D	8.426	8.426	0	5.177	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.215	7.215	0	2.501	0	0	0	0	0	0
2003	127	23	1010	357.824	-354.865	D	8.487	8.486	0.001	5.317	97.68	1	0	0	0	1.14
2003	128	23	785	365.637	-355.06	D	7.459	7.458	0	3.012	98.07	0.26	0	0	0	1.44
2003	129	23	1	356.546	-357.458	D	7.888	7.888	0	3.947	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	8.54	8.54	0	5.445	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.463	7.463	0	3.022	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	6.616	6.616	0	1.291	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	6.709	6.709	0	1.475	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	9.435	9.435	0	7.667	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	8.531	8.531	0	5.425	0	0	0	0	0	0
2003	136	23	643	363.609	-354.151	D	9.456	9.456	0	7.721	96.26	0.35	0	0	0	1.49
2003	137	23	643	363.609	-354.151	D	9.253	9.253	0	7.197	98.88	0.18	0	0	0	0.67

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	138	23	1017	356.894	-355.206	D	8.868	8.865	0.002	6.23	99.22	0.5	0	0	0	0.26
2003	139	23	10	356.954	-355.443	D	8.752	8.751	0.001	5.951	99.18	0.38	0	0	0	0.3
2003	140	23	1017	356.894	-355.206	D	8.118	8.116	0.002	4.459	97.68	2	0	0	0	0.31
2003	141	23	929	366.032	-357.239	D	6.686	6.686	0	1.428	94.56	0.1	0	0	0	0.75
2003	142	23	1	356.546	-357.458	D	6.848	6.848	0	1.751	0	0	0	0	0	0
2003	143	23	263	360.041	-357.803	D	6.615	6.615	0	1.289	82.21	0.04	0	0	0	2.72
2003	144	23	965	363.588	-354.142	D	7.547	7.546	0.001	3.2	98.51	0.48	0	0	0	0.64
2003	145	23	1017	356.894	-355.206	D	9.155	9.15	0.004	6.938	98.53	1.1	0	0	0	0.33
2003	146	23	15	357.659	-360.155	D	7.836	7.836	0	3.832	99.01	0.12	0	0	0	0.68
2003	147	23	1	356.546	-357.458	D	6.637	6.637	0	1.333	0	0	0	0	0	0
2003	148	23	1	356.546	-357.458	D	6.635	6.635	0	1.33	0	0	0	0	0	0
2003	149	23	822	358.021	-361.607	D	7.214	7.213	0.001	2.497	95.17	0.99	0	0	0	3.81
2003	150	23	10	356.954	-355.443	D	6.608	6.608	0	1.277	94.45	0.2	0	0	0	3.92
2003	151	23	1035	356.477	-356.792	D	7.158	7.158	0	2.382	86.67	7.95	0	0	0	5.36
2003	152	23	1	356.546	-357.458	D	7.197	7.197	0	2.462	0	0	0	0	0	0
2003	153	23	15	357.659	-360.155	D	8.532	8.532	0	5.425	92.52	0.14	0	0	0	0.22
2003	154	23	44	358.21	-361.379	D	9.092	9.092	0	6.79	97.83	0.44	0	0	0	0.19
2003	155	23	1	356.546	-357.458	D	8.012	8.012	0	4.224	0	0	0	0	0	0
2003	156	23	1	356.546	-357.458	D	6.722	6.722	0	1.5	0	0	0	0	0	0
2003	157	23	10	356.954	-355.443	D	8.092	8.092	0	4.406	98.46	0.23	0	0	0	0.98
2003	158	23	247	360.217	-361.79	D	7.459	7.459	0	3.013	98.68	0.2	0	0	0	0.63
2003	159	23	16	357.648	-359.906	D	7.716	7.716	0	3.567	96.02	0.05	0	0	0	0.43
2003	160	23	255	360.129	-359.796	D	6.621	6.621	0	1.301	62.02	0.03	0	0	0	0.75
2003	161	23	1	356.546	-357.458	D	7.537	7.537	0	3.181	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	8.967	8.967	0	6.479	0	0	0	0	0	0
2003	163	23	948	365.727	-355.056	D	8.884	8.884	0	6.275	97.48	1.23	0	0	0	0.3
2003	164	23	10	356.954	-355.443	D	8.869	8.868	0	6.237	98.98	0.4	0	0	0	0.53
2003	165	23	10	356.954	-355.443	D	8.223	8.223	0	4.704	98.66	0.34	0	0	0	0.35
2003	166	23	477	362.362	-359.698	D	7.898	7.898	0	3.97	98.68	0.3	0	0	0	0.39
2003	167	23	929	366.032	-357.239	D	8.039	8.039	0	4.286	98.66	0.14	0	0	0	0.33
2003	168	23	255	360.129	-359.796	D	6.943	6.943	0	1.942	98.8	0.19	0	0	0	0.71
2003	169	23	247	360.217	-361.79	D	7.744	7.744	0	3.629	86.03	0.08	0	0	0	0.25
2003	170	23	1005	358.679	-354.752	D	8.228	8.227	0.001	4.715	97.93	0.11	0	0	0	1.78
2003	171	23	1017	356.894	-355.206	D	8.595	8.589	0.005	5.562	98.74	0.87	0	0	0	0.33
2003	172	23	1	356.546	-357.458	D	6.92	6.92	0	1.896	98.84	0.06	0	0	0	0.93
2003	173	23	1	356.546	-357.458	D	6.849	6.849	0	1.754	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.954	7.954	0	4.094	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	177	23	933	366.169	-356.524	D	8.474	8.47	0.004	5.28	95.85	3.43	0	0	0	0.67
2003	178	23	811	357.434	-360.225	D	6.789	6.786	0.002	1.628	96.09	0.43	0	0	0	3.48
2003	179	23	903	364.421	-359.827	D	6.647	6.646	0.001	1.35	97.06	0.06	0	0	0	2.74
2003	180	23	62	357.925	-354.901	D	6.696	6.696	0	1.448	98.17	0.04	0	0	0	1.92
2003	181	23	10	356.954	-355.443	D	6.984	6.984	0	2.026	97.91	0.12	0	0	0	1.27
2003	182	23	263	360.041	-357.803	D	8.488	8.488	0	5.322	14.39	0	0	0	0	0.18
2003	183	23	1	356.546	-357.458	D	7.864	7.864	0	3.893	83.31	0.14	0	0	0	0.34
2003	184	23	247	360.217	-361.79	D	7.506	7.506	0	3.113	105.6	0.07	0	0	0	0.53
2003	185	23	1	356.546	-357.458	D	7.012	7.012	0	2.084	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.047	7.047	0	2.154	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.775	7.775	0	3.698	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.13	7.13	0	2.323	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.724	7.724	0	3.585	0	0	0	0	0	0
2003	192	23	63	358.458	-361.368	D	6.913	6.913	0	1.881	94.13	0.16	0	0	0	5.42
2003	193	23	219	359.98	-362.05	D	7.79	7.789	0.001	3.728	98.37	0.38	0	0	0	1.28
2003	194	23	955	364.92	-354.582	D	7.46	7.459	0.001	3.013	98.6	0.18	0	0	0	1.16
2003	195	23	933	366.169	-356.524	D	8.6	8.597	0.003	5.581	99.34	0.17	0	0	0	0.36
2003	196	23	929	366.032	-357.239	D	8.453	8.453	0	5.24	98.64	0.01	0	0	0	0.56
2003	197	23	962	363.961	-354.255	D	7.09	7.09	0	2.242	96.16	0.02	0	0	0	1.79
2003	198	23	618	363.371	-354.411	D	7.071	7.071	0	2.203	96.61	0.02	0	0	0	1.27
2003	199	23	134	358.68	-355.117	D	6.923	6.923	0	1.903	86.16	0.01	0	0	0	1.07
2003	200	23	15	357.659	-360.155	D	7.955	7.955	0	4.096	64.78	0.01	0	0	0	0.41
2003	201	23	1017	356.894	-355.206	D	8.698	8.698	0	5.823	95.67	0.99	0	0	0	0.28
2003	202	23	963	363.809	-354.192	D	7.751	7.75	0	3.643	97.88	0.09	0	0	0	1.77
2003	203	23	852	361.595	-362.148	D	7.385	7.384	0.001	2.855	96.53	0.12	0	0	0	3.3
2003	204	23	1	356.546	-357.458	D	7.02	7.02	0	2.099	0	0	0	0	0	0
2003	205	23	1	356.546	-357.458	D	6.785	6.785	0	1.625	0	0	0	0	0	0
2003	206	23	1	356.546	-357.458	D	7.042	7.042	0	2.144	0	0	0	0	0	0
2003	207	23	1	356.546	-357.458	D	6.959	6.959	0	1.976	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	6.962	6.962	0	1.982	0	0	0	0	0	0
2003	209	23	618	363.371	-354.411	D	6.925	6.925	0	1.907	93.41	0.06	0	0	0	2.35
2003	210	23	974	362.281	-354.249	D	8.473	8.465	0.008	5.266	98.75	0.85	0	0	0	0.39
2003	211	23	822	358.021	-361.607	D	8.982	8.978	0.004	6.507	99.28	0.34	0	0	0	0.32
2003	212	23	929	366.032	-357.239	D	8.15	8.147	0.002	4.531	99.24	0.17	0	0	0	0.52
2003	213	23	762	365.141	-355.082	D	7.04	7.04	0	2.14	98.6	0.08	0	0	0	0.94
2003	214	23	689	364.595	-359.6	D	7.727	7.727	0	3.591	97.8	0.02	0	0	0	0.44
2003	215	23	967	363.478	-354.116	D	8.457	8.451	0.005	5.235	99.09	0.39	0	0	0	0.51

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	216	23	934	366.01	-356.526	D	7.202	7.196	0.006	2.461	98.7	0.15	0	0	0	1.13
2003	217	23	947	365.801	-355.162	D	7.623	7.622	0.001	3.363	98.84	0.12	0	0	0	0.87
2003	218	23	972	362.744	-354.242	D	8.454	8.453	0.001	5.239	98.98	0.25	0	0	0	0.57
2003	219	23	822	358.021	-361.607	D	8.265	8.263	0.002	4.797	99.34	0.23	0	0	0	0.41
2003	220	23	247	360.217	-361.79	D	6.896	6.896	0	1.847	96.78	0	0	0	0	1.01
2003	221	23	1	356.546	-357.458	D	6.871	6.871	0	1.798	0	0	0	0	0	0
2003	222	23	1	356.546	-357.458	D	6.955	6.955	0	1.966	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	6.817	6.817	0	1.689	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.101	7.101	0	2.265	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.661	7.661	0	3.448	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	9.004	9.004	0	6.572	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.091	7.091	0	2.245	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	6.939	6.939	0	1.935	0	0	0	0	0	0
2003	229	23	296	360.223	-356.297	D	6.785	6.785	0	1.625	43.26	0	0	0	0	1.69
2003	230	23	931	366.183	-356.996	D	6.798	6.797	0.001	1.65	97.16	0.03	0	0	0	2.29
2003	231	23	907	365.051	-359.809	D	7.022	7.021	0.001	2.102	98.51	0.04	0	0	0	1.28
2003	232	23	930	366.19	-357.232	D	7.143	7.143	0.001	2.351	99.09	0.05	0	0	0	0.93
2003	233	23	929	366.032	-357.239	D	6.862	6.861	0	1.778	98.7	0.12	0	0	0	1.14
2003	234	23	964	363.678	-354.148	D	7.047	7.045	0.002	2.15	97.4	0.02	0	0	0	2.55
2003	235	23	845	360.851	-362.181	D	7.023	7.017	0.006	2.093	98.55	0.04	0	0	0	1.39
2003	236	23	822	358.021	-361.607	D	7.858	7.855	0.004	3.873	99.15	0.18	0	0	0	0.69
2003	237	23	836	360.07	-362.066	D	7.756	7.752	0.004	3.646	99.32	0.05	0	0	0	0.63
2003	238	23	62	357.925	-354.901	D	7.216	7.215	0.001	2.499	99.05	0.02	0	0	0	0.76
2003	239	23	929	366.032	-357.239	D	7.033	7.033	0	2.125	99.14	0.02	0	0	0	0.71
2003	240	23	1	356.546	-357.458	D	7.035	7.035	0	2.13	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	8.765	8.765	0	5.985	0	0	0	0	0	0
2003	242	23	543	362.627	-354.444	D	9.342	9.342	0	7.425	78.56	1.1	0	0	0	0.26
2003	243	23	1	356.546	-357.458	D	9.398	9.398	0	7.571	0	0	0	0	0	0
2003	244	23	1	356.546	-357.458	D	9.054	9.054	0	6.695	0	0	0	0	0	0
2003	245	23	1	356.546	-357.458	D	9.604	9.604	0	8.109	0	0	0	0	0	0
2003	246	23	1	356.546	-357.458	D	9.148	9.148	0	6.931	0	0	0	0	0	0
2003	247	23	1035	356.477	-356.792	D	7.743	7.731	0.012	3.601	97.82	1.48	0	0	0	0.7
2003	248	23	1	356.546	-357.458	D	6.738	6.738	0	1.533	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	6.825	6.825	0	1.706	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.117	7.117	0	2.298	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.349	7.349	0	2.78	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	8.372	8.372	0	5.05	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	255	23	1	356.546	-357.458	D	9.772	9.772	0	8.557	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2003	257	23	822	358.021	-361.607	D	8.451	8.451	0	5.234	90.56	2.75	0	0	0	5.82
2003	258	23	786	365.973	-357.042	D	6.719	6.718	0.001	1.493	94.71	0.56	0	0	0	4.73
2003	259	23	822	358.021	-361.607	D	6.691	6.69	0.001	1.436	97.01	0.16	0	0	0	2.8
2003	260	23	1016	357.1	-355.198	D	6.853	6.852	0	1.76	97.63	0.09	0	0	0	1.92
2003	261	23	1	356.546	-357.458	D	6.905	6.905	0	1.866	0	0	0	0	0	0
2003	262	23	1007	358.259	-354.768	D	7.659	7.657	0.002	3.439	95.36	3.89	0	0	0	0.73
2003	263	23	1017	356.894	-355.206	D	6.593	6.593	0	1.247	93.03	0.56	0	0	0	6.14
2003	264	23	44	358.21	-361.379	D	6.887	6.886	0.001	1.828	99.49	0.05	0	0	0	0.63
2003	265	23	783	365.659	-355.558	D	9.141	9.139	0.002	6.909	99.24	0.45	0	0	0	0.13
2003	266	23	907	365.051	-359.809	D	6.918	6.917	0.001	1.89	88.49	2.13	0	0	0	9.31
2003	267	23	247	360.217	-361.79	D	6.859	6.859	0	1.773	66.39	0.06	0	0	0	1.99
2003	268	23	1017	356.894	-355.206	D	6.729	6.728	0.001	1.512	97.16	0.62	0	0	0	2.16
2003	269	23	1010	357.824	-354.865	D	6.94	6.94	0.001	1.936	97.87	0.35	0	0	0	1.4
2003	270	23	786	365.973	-357.042	D	7.571	7.571	0.001	3.253	95.13	2.28	0	0	0	2.48
2003	271	23	948	365.727	-355.056	D	6.761	6.761	0	1.577	83.62	1.21	0	0	0	14.53
2003	272	23	1	356.546	-357.458	D	6.538	6.538	0	1.139	86.33	2.87	0	0	0	10.69
2003	273	23	643	363.609	-354.151	D	6.735	6.735	0.001	1.525	94.05	3.37	0	0	0	2.61
2003	274	23	947	365.801	-355.162	D	9.09	9.087	0.003	6.78	95.92	2.64	0	0	0	1.34
2003	275	23	219	359.98	-362.05	D	6.593	6.592	0.001	1.244	95.63	1.01	0	0	0	3.17
2003	276	23	3	356.524	-356.959	D	6.797	6.797	0.001	1.649	96.96	0.63	0	0	0	2.18
2003	277	23	776	365.736	-357.302	D	6.989	6.989	0	2.036	86.52	5.3	0	0	0	6.88
2003	278	23	543	362.627	-354.444	D	6.64	6.64	0	1.339	93.99	0.63	0	0	0	4.67
2003	279	23	302	360.713	-361.768	D	8.772	8.771	0.001	5.999	98.05	1.01	0	0	0	0.6
2003	280	23	44	358.21	-361.379	D	7.273	7.272	0	2.62	98.42	0.18	0	0	0	1.05
2003	281	23	1	356.546	-357.458	D	7.326	7.326	0	2.733	98.56	0.14	0	0	0	0.8
2003	282	23	1	356.546	-357.458	D	8.877	8.877	0	6.259	95.88	0.16	0	0	0	0.6
2003	283	23	1	356.546	-357.458	D	9.663	9.663	0	8.265	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	9.486	9.486	0	7.798	0	0	0	0	0	0
2003	285	23	933	366.169	-356.524	D	7.6	7.599	0.001	3.313	95.77	2.58	0	0	0	1.58
2003	286	23	836	360.07	-362.066	D	6.741	6.741	0	1.538	97.5	0.05	0	0	0	1.84
2003	287	23	931	366.183	-356.996	D	8.733	8.732	0.002	5.904	98.79	0.89	0	0	0	0.31
2003	288	23	933	366.169	-356.524	D	6.779	6.777	0.001	1.61	91.45	1.93	0	0	0	6.72
2003	289	23	906	364.982	-359.812	D	6.604	6.604	0	1.268	96.32	0.25	0	0	0	3.52
2003	290	23	929	366.032	-357.239	D	7.841	7.841	0	3.842	94.51	1.96	0	0	0	0.57
2003	291	23	191	359.732	-362.061	D	6.587	6.587	0	1.235	84.05	0.32	0	0	0	1.57
2003	292	23	1	356.546	-357.458	D	6.628	6.628	0	1.315	0	0	0	0	0	0
2003	293	23	1	356.546	-357.458	D	6.776	6.776	0	1.608	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	294	23	747	364.871	-354.594	D	6.77	6.769	0.001	1.594	86.46	1.09	0	0	0	12.31
2003	295	23	414	361.607	-359.482	D	6.703	6.701	0.002	1.46	92.79	1.02	0	0	0	6.08
2003	296	23	643	363.609	-354.151	D	6.657	6.657	0	1.372	92.54	0.26	0	0	0	6.27
2003	297	23	933	366.169	-356.524	D	6.596	6.595	0.001	1.251	95.93	0.2	0	0	0	3.72
2003	298	23	783	365.659	-355.558	D	7.773	7.771	0.002	3.689	98.72	0.57	0	0	0	0.57
2003	299	23	1039	356.522	-357.599	D	7.783	7.782	0.001	3.712	87.46	9.94	0	0	0	2.39
2003	300	23	772	365.411	-355.569	D	6.56	6.56	0	1.183	88.13	4.48	0	0	0	6.96
2003	301	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.333	7.333	0	2.746	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	8.922	8.921	0.001	6.367	96.11	1.55	0	0	0	2.33
2003	305	23	1017	356.894	-355.206	D	7.699	7.695	0.004	3.522	95.07	3.11	0	0	0	1.75
2003	306	23	1010	357.824	-354.865	D	8.897	8.897	0	6.307	96.23	2.39	0	0	0	0.79
2003	307	23	455	361.646	-354.736	D	8.153	8.153	0	4.544	94.67	2.54	0	0	0	0.43
2003	308	23	1017	356.894	-355.206	D	7.395	7.394	0	2.876	97.43	1.15	0	0	0	1.48
2003	309	23	253	360.151	-360.295	D	7.935	7.902	0.032	3.979	97.29	2.16	0	0	0	0.54
2003	310	23	835	359.911	-362.063	D	8.501	8.481	0.021	5.304	97.86	1.87	0	0	0	0.26
2003	311	23	191	359.732	-362.061	D	7.079	7.079	0	2.219	98.87	0.94	0	0	0	0.42
2003	312	23	1	356.546	-357.458	D	6.575	6.575	0	1.212	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	6.5	6.5	0	1.066	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	6.62	6.62	0	1.299	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.24	7.24	0	2.552	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	8.831	8.831	0	6.146	0	0	0	0	0	0
2003	317	23	949	365.722	-354.966	D	6.512	6.512	0	1.089	73.56	8.2	0	0	0	17.67
2003	318	23	787	365.962	-356.793	D	7.337	7.336	0.001	2.754	86.02	7.36	0	0	0	6.67
2003	319	23	1	356.546	-357.458	D	9.228	9.228	0	7.135	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	9.803	9.803	0	8.638	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	9.92	9.92	0	8.955	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	9.817	9.817	0	8.676	0	0	0	0	0	0
2003	323	23	611	363.448	-356.155	D	7.488	7.488	0.001	3.074	72.87	14.75	0	0	0	12.15
2003	324	23	1	356.546	-357.458	D	6.761	6.761	0	1.579	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.385	7.385	0	2.857	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	9.413	9.413	0	7.61	0	0	0	0	0	0
2003	327	23	1009	357.941	-354.82	D	8.919	8.915	0.004	6.352	92.62	6.68	0	0	0	0.65
2003	328	23	1	356.546	-357.458	D	7.277	7.277	0	2.629	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	6.534	6.534	0	1.132	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.139	7.139	0	2.342	0	0	0	0	0	0
2003	331	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	93.32	3.27	0	0	0	2.32
2003	332	23	773	365.4	-355.32	D	6.753	6.753	0.001	1.561	62.08	20.29	0	0	0	17.51

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	333	23	1	356.546	-357.458	D	6.508	6.508	0	1.082	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	6.569	6.569	0	1.199	0	0	0	0	0	0
2003	335	23	1	356.546	-357.458	D	6.646	6.645	0	1.349	84.77	6.14	0	0	0	8.95
2003	336	23	1	356.546	-357.458	D	6.505	6.505	0	1.075	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	8.505	8.505	0	5.363	0	0	0	0	0	0
2003	338	23	1	356.546	-357.458	D	9.305	9.305	0	7.332	0	0	0	0	0	0
2003	339	23	1017	356.894	-355.206	D	7.771	7.767	0.004	3.68	91.96	6.61	0	0	0	1.44
2003	340	23	821	358.053	-361.416	D	8.077	8.077	0	4.371	81	4.6	0	0	0	2.33
2003	341	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2003	342	23	1	356.546	-357.458	D	7.19	7.19	0	2.448	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	9.624	9.624	0	8.161	0	0	0	0	0	0
2003	344	23	156	358.983	-356.352	D	8.994	8.993	0.001	6.543	92.44	5.5	0	0	0	1.94
2003	345	23	927	365.912	-357.454	D	8.344	8.339	0.005	4.972	87.5	10.05	0	0	0	2.43
2003	346	23	809	357.432	-359.845	D	7.203	7.202	0.001	2.473	90.39	7.17	0	0	0	2.47
2003	347	23	10	356.954	-355.443	D	9.343	9.343	0	7.429	95.02	4.66	0	0	0	1.71
2003	348	23	1	356.546	-357.458	D	9.404	9.404	0	7.587	0	0	0	0	0	0
2003	349	23	1	356.546	-357.458	D	9.34	9.34	0	7.422	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	8.7	8.7	0	5.827	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.958	7.958	0	4.104	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.348	7.348	0	2.779	0	0	0	0	0	0
2003	353	23	949	365.722	-354.966	D	8.398	8.398	0	5.11	84.82	6.15	0	0	0	8.94
2003	354	23	947	365.801	-355.162	D	6.92	6.919	0.001	1.894	89.01	6.91	0	0	0	4.42
2003	355	23	929	366.032	-357.239	D	6.682	6.682	0	1.421	92.86	3.65	0	0	0	3.26
2003	356	23	1	356.546	-357.458	D	9.006	9.006	0	6.576	0	0	0	0	0	0
2003	357	23	1008	358.048	-354.775	D	9.413	9.411	0.002	7.603	92.59	5.35	0	0	0	1.93
2003	358	23	809	357.432	-359.845	D	8.414	8.405	0.01	5.125	94.53	4.58	0	0	0	0.89
2003	359	23	255	360.129	-359.796	D	6.693	6.692	0.001	1.441	94.25	2.88	0	0	0	2.83
2003	360	23	643	363.609	-354.151	D	7.322	7.321	0.001	2.722	96.71	2.53	0	0	0	0.71
2003	361	23	1	356.546	-357.458	D	6.809	6.809	0	1.673	0	0	0	0	0	0
2003	362	23	1	356.546	-357.458	D	8.396	8.396	0	5.106	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.193	7.193	0	2.455	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	6.634	6.634	0	1.326	0	0	0	0	0	0
									0.032							
TRIGEN KC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.068	7.068	0	2.196	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	2	23	821	358.053	-361.416	D	9.25	9.25	0	7.19	93.9	4.81	0	0	0	0.22
2003	3	23	1039	356.522	-357.599	D	8.038	8.021	0.018	4.244	86.39	13.01	0	0	0	0.61
2003	4	23	947	365.801	-355.162	D	6.825	6.825	0	1.706	92.16	7.12	0	0	0	0.61
2003	5	23	930	366.19	-357.232	D	7.601	7.595	0.006	3.304	80.02	19.18	0	0	0	0.81
2003	6	23	933	366.169	-356.524	D	8.318	8.304	0.013	4.892	90.61	9.23	0	0	0	0.16
2003	7	23	996	360.121	-355.113	D	8.6	8.596	0.004	5.577	95.43	4.42	0	0	0	0.08
2003	8	23	301	360.724	-362.017	D	6.82	6.82	0	1.695	85.52	1.86	0	0	0	0.28
2003	9	23	619	363.872	-360.131	D	6.998	6.997	0.001	2.051	87.5	11.68	0	0	0	0.79
2003	10	23	773	365.4	-355.32	D	6.677	6.675	0.002	1.407	77.96	19.45	0	0	0	2.6
2003	11	23	822	358.021	-361.607	D	6.561	6.56	0.001	1.183	83.34	14.05	0	0	0	2.57
2003	12	23	10	356.954	-355.443	D	6.491	6.491	0	1.048	92.16	6.6	0	0	0	0.79
2003	13	23	904	364.594	-359.819	D	6.659	6.658	0.001	1.374	94.01	5.4	0	0	0	0.41
2003	14	23	1017	356.894	-355.206	D	8.852	8.811	0.04	6.098	89.31	10.48	0	0	0	0.21
2003	15	23	1039	356.522	-357.599	D	6.607	6.607	0	1.274	95.99	3.6	0	0	0	0.39
2003	16	23	822	358.021	-361.607	D	8.175	8.172	0.003	4.586	95.78	4.2	0	0	0	0.03
2003	17	23	955	364.92	-354.582	D	7.745	7.735	0.009	3.61	86.77	12.41	0	0	0	0.83
2003	18	23	947	365.801	-355.162	D	6.948	6.944	0.003	1.945	93.01	6.38	0	0	0	0.58
2003	19	23	1	356.546	-357.458	D	6.858	6.858	0	1.771	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	6.636	6.636	0	1.33	0	0	0	0	0	0
2003	21	23	900	364.265	-360.243	D	7.1	7.097	0.004	2.255	94.19	5.7	0	0	0	0.11
2003	22	23	1	356.546	-357.458	D	7.178	7.178	0	2.424	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.144	7.144	0	2.353	0	0	0	0	0	0
2003	24	23	1018	356.892	-355.39	D	6.742	6.741	0.001	1.539	92.48	6.73	0	0	0	0.58
2003	25	23	946	365.798	-355.322	D	6.498	6.496	0.002	1.059	92.86	6.64	0	0	0	0.4
2003	26	23	927	365.912	-357.454	D	7.144	7.139	0.005	2.342	78.67	20.63	0	0	0	0.69
2003	27	23	907	365.051	-359.809	D	6.824	6.823	0.001	1.701	92.68	6.84	0	0	0	0.41
2003	28	23	930	366.19	-357.232	D	7.223	7.222	0	2.516	94.11	5.3	0	0	0	0.23
2003	29	23	1017	356.894	-355.206	D	9.293	9.286	0.008	7.281	94.51	5.43	0	0	0	0.04
2003	30	23	1	356.546	-357.458	D	9.166	9.166	0	6.978	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.23	7.23	0	2.531	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	34	23	1008	358.048	-354.775	D	9.362	9.353	0.009	7.455	96.26	3.69	0	0	0	0.04
2003	35	23	949	365.722	-354.966	D	7.087	7.087	0.001	2.235	90.86	7.61	0	0	0	1.43
2003	36	23	949	365.722	-354.966	D	6.588	6.579	0.009	1.219	91.82	7.21	0	0	0	0.95
2003	37	23	1017	356.894	-355.206	D	9.034	9.01	0.024	6.587	96.59	3.35	0	0	0	0.05
2003	38	23	836	360.07	-362.066	D	7.979	7.94	0.039	4.063	96.84	3.11	0	0	0	0.05
2003	39	23	1	356.546	-357.458	D	7.088	7.088	0	2.237	0	0	0	0	0	0
2003	40	23	929	366.032	-357.239	D	7.736	7.736	0	3.612	92.3	3.54	0	0	0	0.04

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	41	23	949	365.722	-354.966	D	9.522	9.516	0.006	7.877	93.43	6.49	0	0	0	0.06
2003	42	23	1017	356.894	-355.206	D	7.016	7.016	0	2.09	93.9	4.71	0	0	0	1.16
2003	43	23	822	358.021	-361.607	D	6.543	6.542	0.001	1.148	88.79	9.37	0	0	0	1.88
2003	44	23	1011	357.717	-354.92	D	6.551	6.55	0.001	1.163	95.39	3.88	0	0	0	0.57
2003	45	23	1002	359.309	-354.73	D	9.98	9.979	0.001	9.117	97.06	2.71	0	0	0	0.04
2003	46	23	1	356.546	-357.458	D	10.049	10.049	0	9.31	0	0	0	0	0	0
2003	47	23	1	356.546	-357.458	D	8.295	8.295	0	4.87	0	0	0	0	0	0
2003	48	23	1	356.546	-357.458	D	8.589	8.589	0	5.562	0	0	0	0	0	0
2003	49	23	996	360.121	-355.113	D	7.56	7.556	0.004	3.222	96.36	3.47	0	0	0	0.18
2003	50	23	1017	356.894	-355.206	D	9.17	9.167	0.003	6.979	97.2	2.66	0	0	0	0.05
2003	51	23	1017	356.894	-355.206	D	9.285	9.253	0.032	7.199	97.25	2.71	0	0	0	0.04
2003	52	23	1017	356.894	-355.206	D	9.016	9.011	0.004	6.59	98.79	1.12	0	0	0	0.03
2003	53	23	1035	356.477	-356.792	D	9.214	9.211	0.003	7.093	97.32	2.51	0	0	0	0.07
2003	54	23	929	366.032	-357.239	D	8.641	8.641	0	5.685	15.88	0.41	0	0	0	0.01
2003	55	23	1039	356.522	-357.599	D	8.255	8.255	0	4.777	95.21	4.86	0	0	0	0.27
2003	56	23	1039	356.522	-357.599	D	7.165	7.164	0.001	2.394	96.02	3.81	0	0	0	0.18
2003	57	23	811	357.434	-360.225	D	7.72	7.72	0	3.576	96.68	2.2	0	0	0	0.08
2003	58	23	1	356.546	-357.458	D	8.268	8.268	0	4.807	98.93	1.65	0	0	0	0.04
2003	59	23	808	357.43	-359.686	D	8.398	8.398	0.001	5.109	98.41	1.25	0	0	0	0.03
2003	60	23	1017	356.894	-355.206	D	9.113	9.1	0.013	6.81	98.36	1.6	0	0	0	0.04
2003	61	23	949	365.722	-354.966	D	9.3	9.158	0.142	6.956	97.11	2.85	0	0	0	0.05
2003	62	23	1017	356.894	-355.206	D	7.556	7.514	0.042	3.13	96.44	3.43	0	0	0	0.12
2003	63	23	907	365.051	-359.809	D	6.973	6.96	0.012	1.978	98.55	1.37	0	0	0	0.09
2003	64	23	845	360.851	-362.181	D	8.151	8.144	0.008	4.523	97.87	2.03	0	0	0	0.08
2003	65	23	857	361.977	-361.782	D	7.562	7.557	0.005	3.224	96.98	2.86	0	0	0	0.11
2003	66	23	934	366.01	-356.526	D	7.19	7.184	0.006	2.435	97.91	1.97	0	0	0	0.1
2003	67	23	949	365.722	-354.966	D	7.037	7.036	0.001	2.132	98.98	0.78	0	0	0	0.13
2003	68	23	832	359.493	-362.061	D	6.919	6.909	0.01	1.874	96.82	3.05	0	0	0	0.12
2003	69	23	822	358.021	-361.607	D	6.559	6.559	0	1.181	98.33	0.68	0	0	0	0.18
2003	70	23	822	358.021	-361.607	D	6.525	6.523	0.002	1.111	99.05	0.75	0	0	0	0.17
2003	71	23	643	363.609	-354.151	D	6.957	6.956	0.001	1.969	98.77	0.8	0	0	0	0.11
2003	72	23	1017	356.894	-355.206	D	8.543	8.5	0.044	5.349	98.42	1.49	0	0	0	0.09
2003	73	23	822	358.021	-361.607	D	7.954	7.94	0.014	4.063	98.67	1.27	0	0	0	0.06
2003	74	23	1017	356.894	-355.206	D	8.301	8.288	0.014	4.853	99.18	0.78	0	0	0	0.04
2003	75	23	995	360.315	-355.11	D	7.392	7.392	0	2.871	99.11	0.37	0	0	0	0.07
2003	76	23	1	356.546	-357.458	D	8.57	8.57	0	5.516	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	8.739	8.739	0	5.922	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	8.895	8.895	0	6.301	0	0	0	0	0	0
2003	79	23	845	360.851	-362.181	D	9.266	9.258	0.008	7.21	97.35	2.59	0	0	0	0.04

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	80	23	822	358.021	-361.607	D	8.511	8.499	0.012	5.349	95.1	4.67	0	0	0	0.25
2003	81	23	907	365.051	-359.809	D	6.525	6.524	0.001	1.112	98.05	1.04	0	0	0	0.87
2003	82	23	900	364.265	-360.243	D	6.548	6.547	0	1.158	96.42	0.27	0	0	0	0.34
2003	83	23	1	356.546	-357.458	D	6.769	6.769	0	1.593	0	0	0	0	0	0
2003	84	23	1038	356.511	-357.396	D	7.436	7.434	0.002	2.96	98.31	1.52	0	0	0	0.11
2003	85	23	852	361.595	-362.148	D	8.926	8.926	0.001	6.377	98.07	1.79	0	0	0	0.03
2003	86	23	729	364.634	-354.854	D	6.567	6.567	0	1.195	79.2	0.2	0	0	0	0.13
2003	87	23	247	360.217	-361.79	D	8.405	8.405	0	5.127	21.94	0.02	0	0	0	0.03
2003	88	23	949	365.722	-354.966	D	7.483	7.478	0.005	3.054	87.33	12.03	0	0	0	0.65
2003	89	23	251	360.173	-360.793	D	6.55	6.547	0.003	1.158	88.08	10.05	0	0	0	1.78
2003	90	23	930	366.19	-357.232	D	6.475	6.475	0	1.019	37.48	1.67	0	0	0	0.51
2003	91	23	1	356.546	-357.458	D	6.525	6.525	0	1.114	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	6.806	6.806	0	1.667	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.057	7.057	0	2.175	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.929	7.929	0	4.037	0	0	0	0	0	0
2003	95	23	1039	356.522	-357.599	D	6.897	6.895	0.002	1.846	88.07	10.76	0	0	0	1.15
2003	96	23	949	365.722	-354.966	D	8.435	8.433	0.002	5.193	98.65	1.22	0	0	0	0.01
2003	97	23	643	363.609	-354.151	D	9.275	9.275	0	7.253	98.97	0.96	0	0	0	0
2003	98	23	1035	356.477	-356.792	D	7.864	7.828	0.036	3.813	88.02	11.65	0	0	0	0.33
2003	99	23	1	356.546	-357.458	D	7.347	7.347	0	2.776	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	6.576	6.576	0	1.213	0	0	0	0	0	0
2003	101	23	1	356.546	-357.458	D	6.476	6.475	0	1.018	99.23	0.3	0	0	0	0.29
2003	102	23	949	365.722	-354.966	D	6.5	6.498	0.001	1.063	99.56	0.09	0	0	0	0.29
2003	103	23	947	365.801	-355.162	D	6.528	6.526	0.001	1.117	99.66	0.06	0	0	0	0.24
2003	104	23	947	365.801	-355.162	D	6.621	6.62	0	1.3	99.51	0.06	0	0	0	0.16
2003	105	23	15	357.659	-360.155	D	6.611	6.611	0	1.281	34.28	0	0	0	0	0.05
2003	106	23	1	356.546	-357.458	D	6.649	6.649	0	1.357	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	8.393	8.377	0.016	5.061	97.79	2.01	0	0	0	0.2
2003	108	23	949	365.722	-354.966	D	8.312	8.29	0.023	4.858	98.54	1.37	0	0	0	0.08
2003	109	23	933	366.169	-356.524	D	8.079	8.078	0	4.374	99.45	0.11	0	0	0	0.07
2003	110	23	963	363.809	-354.192	D	9.055	9.054	0.001	6.695	97.48	2.39	0	0	0	0.04
2003	111	23	1	356.546	-357.458	D	7.214	7.214	0	2.498	0	0	0	0	0	0
2003	112	23	836	360.07	-362.066	D	6.551	6.55	0.001	1.164	94.36	4.11	0	0	0	1.63
2003	113	23	1039	356.522	-357.599	D	6.557	6.556	0.001	1.174	98.97	0.68	0	0	0	0.27
2003	114	23	1	356.546	-357.458	D	8.459	8.459	0	5.252	0	0	0	0	0	0
2003	115	23	822	358.021	-361.607	D	9.153	9.147	0.007	6.929	98.72	1.11	0	0	0	0.19
2003	116	23	845	360.851	-362.181	D	7.694	7.694	0	3.519	76.27	0.5	0	0	0	0.11
2003	117	23	1039	356.522	-357.599	D	6.934	6.934	0	1.924	99.22	0.14	0	0	0	0.15
2003	118	23	967	363.478	-354.116	D	7.7	7.7	0	3.533	98.43	0.05	0	0	0	0.08

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	119	23	569	362.875	-354.433	D	8.105	8.105	0	4.435	97.8	0.32	0	0	0	0.03
2003	120	23	929	366.032	-357.239	D	8.108	8.108	0	4.442	90.47	0.11	0	0	0	0.04
2003	121	23	62	357.925	-354.901	D	8.057	8.057	0	4.325	99.32	0.21	0	0	0	0.12
2003	122	23	1017	356.894	-355.206	D	8.761	8.672	0.089	5.761	98.33	1.62	0	0	0	0.05
2003	123	23	845	360.851	-362.181	D	8.145	8.096	0.049	4.414	99.52	0.44	0	0	0	0.04
2003	124	23	1017	356.894	-355.206	D	7.083	7.076	0.006	2.214	99.8	0.1	0	0	0	0.07
2003	125	23	929	366.032	-357.239	D	8.451	8.451	0	5.236	49.1	0.21	0	0	0	0.01
2003	126	23	1	356.546	-357.458	D	7.215	7.215	0	2.501	0	0	0	0	0	0
2003	127	23	1035	356.477	-356.792	D	8.511	8.486	0.025	5.317	98.21	1.62	0	0	0	0.17
2003	128	23	1035	356.477	-356.792	D	7.519	7.511	0.008	3.125	99.68	0.14	0	0	0	0.18
2003	129	23	1	356.546	-357.458	D	7.888	7.888	0	3.947	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	8.54	8.54	0	5.445	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.463	7.463	0	3.022	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	6.616	6.616	0	1.291	0	0	0	0	0	0
2003	133	23	929	366.032	-357.239	D	6.703	6.703	0	1.463	87.61	0.13	0	0	0	0.43
2003	134	23	1	356.546	-357.458	D	9.435	9.435	0	7.667	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	8.531	8.531	0	5.425	0	0	0	0	0	0
2003	136	23	964	363.678	-354.148	D	9.457	9.456	0.001	7.721	99.54	0.31	0	0	0	0.13
2003	137	23	964	363.678	-354.148	D	9.258	9.253	0.006	7.197	99.77	0.14	0	0	0	0.05
2003	138	23	1035	356.477	-356.792	D	8.891	8.865	0.026	6.23	99.51	0.46	0	0	0	0.02
2003	139	23	1017	356.894	-355.206	D	8.756	8.751	0.005	5.951	99.63	0.35	0	0	0	0.02
2003	140	23	1017	356.894	-355.206	D	8.142	8.116	0.027	4.459	98.46	1.53	0	0	0	0.02
2003	141	23	301	360.724	-362.017	D	6.684	6.684	0	1.425	99.28	0.22	0	0	0	0.06
2003	142	23	1	356.546	-357.458	D	6.848	6.848	0	1.751	0	0	0	0	0	0
2003	143	23	1017	356.894	-355.206	D	6.615	6.615	0	1.29	99.59	0.04	0	0	0	0.27
2003	144	23	1008	358.048	-354.775	D	7.568	7.56	0.008	3.229	99.5	0.42	0	0	0	0.07
2003	145	23	1017	356.894	-355.206	D	9.188	9.15	0.038	6.938	99.15	0.82	0	0	0	0.03
2003	146	23	822	358.021	-361.607	D	7.843	7.836	0.007	3.832	99.8	0.14	0	0	0	0.03
2003	147	23	44	358.21	-361.379	D	6.638	6.638	0	1.334	100.2	0.02	0	0	0	0.11
2003	148	23	949	365.722	-354.966	D	6.645	6.64	0.004	1.339	99.44	0.22	0	0	0	0.34
2003	149	23	822	358.021	-361.607	D	7.216	7.213	0.002	2.497	98.53	0.81	0	0	0	0.65
2003	150	23	822	358.021	-361.607	D	6.61	6.608	0.002	1.276	99.43	0.19	0	0	0	0.36
2003	151	23	947	365.801	-355.162	D	7.159	7.158	0.001	2.382	90.42	9	0	0	0	0.66
2003	152	23	1	356.546	-357.458	D	7.197	7.197	0	2.462	0	0	0	0	0	0
2003	153	23	3	356.524	-356.959	D	8.538	8.537	0	5.438	99.03	0.14	0	0	0	0.02
2003	154	23	822	358.021	-361.607	D	9.093	9.092	0.002	6.79	97.6	2.22	0	0	0	0.05
2003	155	23	1	356.546	-357.458	D	8.012	8.012	0	4.224	0	0	0	0	0	0
2003	156	23	1	356.546	-357.458	D	6.722	6.722	0	1.5	99.66	0.19	0	0	0	0.11
2003	157	23	2	356.535	-357.209	D	8.093	8.092	0.001	4.406	99.58	0.36	0	0	0	0.05

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	158	23	836	360.07	-362.066	D	7.46	7.459	0.001	3.013	99.7	0.15	0	0	0	0.05
2003	159	23	710	364.843	-359.589	D	7.716	7.715	0	3.566	99.57	0.04	0	0	0	0.04
2003	160	23	255	360.129	-359.796	D	6.621	6.621	0	1.301	69.16	0	0	0	0	0.08
2003	161	23	1	356.546	-357.458	D	7.537	7.537	0	3.181	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	8.967	8.967	0	6.479	0	0	0	0	0	0
2003	163	23	949	365.722	-354.966	D	8.884	8.884	0.001	6.275	98.64	1.25	0	0	0	0.03
2003	164	23	1035	356.477	-356.792	D	8.869	8.868	0.001	6.237	99.58	0.29	0	0	0	0.06
2003	165	23	643	363.609	-354.151	D	8.223	8.221	0.002	4.699	99.54	0.38	0	0	0	0.03
2003	166	23	547	363.117	-359.914	D	7.899	7.898	0.001	3.97	99.67	0.24	0	0	0	0.03
2003	167	23	519	362.902	-360.673	D	8.049	8.049	0	4.307	99.54	0.11	0	0	0	0.03
2003	168	23	255	360.129	-359.796	D	6.943	6.943	0	1.942	98.26	0.16	0	0	0	0.05
2003	169	23	1	356.546	-357.458	D	7.684	7.684	0	3.499	0	0	0	0	0	0
2003	170	23	1017	356.894	-355.206	D	8.232	8.227	0.005	4.715	99.72	0.03	0	0	0	0.23
2003	171	23	1035	356.477	-356.792	D	8.603	8.589	0.014	5.562	99.85	0.09	0	0	0	0.05
2003	172	23	1	356.546	-357.458	D	6.92	6.92	0	1.896	0	0	0	0	0	0
2003	173	23	1	356.546	-357.458	D	6.849	6.849	0	1.754	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.954	7.954	0	4.094	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2003	177	23	836	360.07	-362.066	D	8.474	8.458	0.017	5.251	94.99	4.9	0	0	0	0.09
2003	178	23	1035	356.477	-356.792	D	6.785	6.78	0.005	1.615	98.96	0.42	0	0	0	0.61
2003	179	23	1039	356.522	-357.599	D	6.647	6.642	0.005	1.343	99.65	0.06	0	0	0	0.28
2003	180	23	643	363.609	-354.151	D	6.695	6.694	0	1.445	99.67	0.01	0	0	0	0.21
2003	181	23	1	356.546	-357.458	D	6.984	6.984	0	2.026	0	0	0	0	0	0
2003	182	23	1	356.546	-357.458	D	8.485	8.485	0	5.314	0	0	0	0	0	0
2003	183	23	747	364.871	-354.594	D	7.932	7.932	0	4.044	99.1	0.22	0	0	0	0.04
2003	184	23	643	363.609	-354.151	D	7.642	7.642	0	3.406	99.82	0.05	0	0	0	0.04
2003	185	23	1	356.546	-357.458	D	7.012	7.012	0	2.084	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.047	7.047	0	2.154	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.775	7.775	0	3.698	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.13	7.13	0	2.323	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.724	7.724	0	3.585	0	0	0	0	0	0
2003	192	23	1002	359.309	-354.73	D	6.907	6.906	0.001	1.867	99.32	0.06	0	0	0	0.61
2003	193	23	219	359.98	-362.05	D	7.794	7.789	0.005	3.728	99.64	0.28	0	0	0	0.07
2003	194	23	1007	358.259	-354.768	D	7.439	7.438	0.001	2.97	99.73	0.1	0	0	0	0.11
2003	195	23	930	366.19	-357.232	D	8.602	8.597	0.005	5.581	99.65	0.23	0	0	0	0.03
2003	196	23	932	366.176	-356.761	D	8.454	8.453	0	5.24	100	0.01	0	0	0	0.04

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	197	23	949	365.722	-354.966	D	7.099	7.09	0.009	2.242	99.84	0.03	0	0	0	0.14
2003	198	23	933	366.169	-356.524	D	7.075	7.073	0.002	2.207	99.88	0.01	0	0	0	0.1
2003	199	23	900	364.265	-360.243	D	6.929	6.929	0	1.914	99.16	0	0	0	0	0.1
2003	200	23	949	365.722	-354.966	D	7.996	7.996	0	4.188	99.39	0.05	0	0	0	0.06
2003	201	23	970	363.145	-354.231	D	8.703	8.703	0.001	5.834	99.7	0.02	0	0	0	0.03
2003	202	23	643	363.609	-354.151	D	7.752	7.75	0.001	3.643	99.66	0.07	0	0	0	0.18
2003	203	23	832	359.493	-362.061	D	7.379	7.377	0.002	2.839	99.72	0.08	0	0	0	0.26
2003	204	23	1	356.546	-357.458	D	7.02	7.02	0	2.099	0	0	0	0	0	0
2003	205	23	1	356.546	-357.458	D	6.785	6.785	0	1.625	0	0	0	0	0	0
2003	206	23	1	356.546	-357.458	D	7.042	7.042	0	2.144	0	0	0	0	0	0
2003	207	23	1	356.546	-357.458	D	6.959	6.959	0	1.976	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	6.962	6.962	0	1.982	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	210	23	949	365.722	-354.966	D	8.47	8.465	0.005	5.266	99.65	0.28	0	0	0	0.04
2003	211	23	949	365.722	-354.966	D	8.951	8.93	0.021	6.389	99.78	0.18	0	0	0	0.03
2003	212	23	258	360.096	-359.049	D	8.132	8.121	0.011	4.472	99.86	0.07	0	0	0	0.06
2003	213	23	930	366.19	-357.232	D	7.049	7.04	0.009	2.14	99.84	0.08	0	0	0	0.08
2003	214	23	786	365.973	-357.042	D	7.728	7.727	0.001	3.591	99.86	0.02	0	0	0	0.05
2003	215	23	1017	356.894	-355.206	D	8.42	8.413	0.007	5.145	99.66	0.14	0	0	0	0.18
2003	216	23	933	366.169	-356.524	D	7.221	7.196	0.025	2.461	99.7	0.19	0	0	0	0.11
2003	217	23	949	365.722	-354.966	D	7.624	7.622	0.002	3.363	99.76	0.1	0	0	0	0.07
2003	218	23	1017	356.894	-355.206	D	8.366	8.359	0.007	5.02	99.75	0.16	0	0	0	0.07
2003	219	23	822	358.021	-361.607	D	8.288	8.263	0.024	4.797	99.87	0.09	0	0	0	0.04
2003	220	23	822	358.021	-361.607	D	6.895	6.895	0.001	1.845	99.92	0.01	0	0	0	0.08
2003	221	23	15	357.659	-360.155	D	6.876	6.876	0	1.807	96.18	0	0	0	0	0.1
2003	222	23	1	356.546	-357.458	D	6.955	6.955	0	1.966	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	6.817	6.817	0	1.689	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.101	7.101	0	2.265	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.661	7.661	0	3.448	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	9.004	9.004	0	6.572	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.091	7.091	0	2.245	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	6.939	6.939	0	1.935	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	6.787	6.787	0	1.63	0	0	0	0	0	0
2003	230	23	949	365.722	-354.966	D	6.79	6.789	0	1.634	99.42	0.01	0	0	0	0.17
2003	231	23	933	366.169	-356.524	D	7.025	7.022	0.003	2.102	99.8	0.05	0	0	0	0.12
2003	232	23	930	366.19	-357.232	D	7.148	7.143	0.005	2.351	99.86	0.07	0	0	0	0.08
2003	233	23	930	366.19	-357.232	D	6.865	6.861	0.004	1.778	99.83	0.09	0	0	0	0.09
2003	234	23	930	366.19	-357.232	D	7.063	7.058	0.005	2.177	99.77	0.03	0	0	0	0.18
2003	235	23	852	361.595	-362.148	D	7.022	7.017	0.005	2.093	99.83	0.03	0	0	0	0.12

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	236	23	822	358.021	-361.607	D	7.858	7.855	0.003	3.873	99.89	0.04	0	0	0	0.05
2003	237	23	836	360.07	-362.066	D	7.757	7.752	0.006	3.646	99.89	0.04	0	0	0	0.06
2003	238	23	961	364.092	-354.289	D	7.215	7.213	0.002	2.496	99.79	0.02	0	0	0	0.07
2003	239	23	930	366.19	-357.232	D	7.033	7.033	0	2.125	99.58	0.02	0	0	0	0.06
2003	240	23	1	356.546	-357.458	D	7.035	7.035	0	2.13	98.82	0.04	0	0	0	0.05
2003	241	23	1	356.546	-357.458	D	8.765	8.765	0	5.985	0	0	0	0	0	0
2003	242	23	955	364.92	-354.582	D	9.342	9.342	0	7.425	98.29	0.28	0	0	0	0.03
2003	243	23	965	363.588	-354.142	D	9.378	9.377	0.001	7.517	99.13	0.36	0	0	0	0.02
2003	244	23	1	356.546	-357.458	D	9.054	9.054	0	6.695	0	0	0	0	0	0
2003	245	23	1	356.546	-357.458	D	9.604	9.604	0	8.109	0	0	0	0	0	0
2003	246	23	1	356.546	-357.458	D	9.148	9.148	0	6.931	0	0	0	0	0	0
2003	247	23	1035	356.477	-356.792	D	7.741	7.731	0.01	3.601	99.41	0.52	0	0	0	0.08
2003	248	23	1	356.546	-357.458	D	6.738	6.738	0	1.533	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	6.825	6.825	0	1.706	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.117	7.117	0	2.298	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.349	7.349	0	2.78	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	8.372	8.372	0	5.05	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	9.772	9.772	0	8.557	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2003	257	23	822	358.021	-361.607	D	8.457	8.451	0.006	5.234	94.16	5.38	0	0	0	0.41
2003	258	23	191	359.732	-362.061	D	6.725	6.72	0.005	1.496	99	0.46	0	0	0	0.53
2003	259	23	1038	356.511	-357.396	D	6.697	6.691	0.007	1.438	99.54	0.18	0	0	0	0.26
2003	260	23	961	364.092	-354.289	D	6.863	6.862	0	1.78	99.07	0.08	0	0	0	0.21
2003	261	23	1	356.546	-357.458	D	6.905	6.905	0	1.866	0	0	0	0	0	0
2003	262	23	1017	356.894	-355.206	D	7.665	7.657	0.008	3.439	95.48	4.39	0	0	0	0.12
2003	263	23	1	356.546	-357.458	D	6.593	6.593	0	1.247	0	0	0	0	0	0
2003	264	23	822	358.021	-361.607	D	6.888	6.886	0.002	1.828	99.89	0.04	0	0	0	0.06
2003	265	23	948	365.727	-355.056	D	9.146	9.139	0.007	6.909	99.56	0.39	0	0	0	0.01
2003	266	23	822	358.021	-361.607	D	6.918	6.917	0.001	1.89	95.18	3.28	0	0	0	1.5
2003	267	23	930	366.19	-357.232	D	6.86	6.859	0	1.774	99.46	0.18	0	0	0	0.25
2003	268	23	1017	356.894	-355.206	D	6.73	6.728	0.002	1.512	98.89	0.86	0	0	0	0.28
2003	269	23	219	359.98	-362.05	D	6.943	6.939	0.004	1.935	99.66	0.21	0	0	0	0.12
2003	270	23	906	364.982	-359.812	D	7.573	7.571	0.002	3.253	97.54	2.11	0	0	0	0.3
2003	271	23	809	357.432	-359.845	D	6.752	6.751	0.001	1.558	96.66	1.42	0	0	0	1.75
2003	272	23	949	365.722	-354.966	D	6.54	6.539	0.001	1.142	97.54	1.25	0	0	0	1.28
2003	273	23	955	364.92	-354.582	D	6.743	6.735	0.008	1.525	97.8	2	0	0	0	0.18
2003	274	23	949	365.722	-354.966	D	9.118	9.087	0.03	6.78	98.28	1.67	0	0	0	0.04

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	275	23	620	363.861	-359.882	D	6.598	6.594	0.004	1.248	98.6	0.98	0	0	0	0.4
2003	276	23	1017	356.894	-355.206	D	6.801	6.797	0.004	1.649	99.36	0.49	0	0	0	0.16
2003	277	23	773	365.4	-355.32	D	6.998	6.989	0.009	2.036	93.91	5.39	0	0	0	0.69
2003	278	23	852	361.595	-362.148	D	6.65	6.65	0.001	1.358	99.07	0.49	0	0	0	0.37
2003	279	23	1017	356.894	-355.206	D	8.746	8.744	0.002	5.933	99.08	0.74	0	0	0	0.05
2003	280	23	997	359.928	-355.117	D	7.274	7.272	0.002	2.62	99.8	0.14	0	0	0	0.09
2003	281	23	1002	359.309	-354.73	D	7.327	7.326	0.001	2.733	99.48	0.17	0	0	0	0.07
2003	282	23	934	366.01	-356.526	D	8.851	8.85	0	6.193	97.9	0.07	0	0	0	0.08
2003	283	23	1	356.546	-357.458	D	9.663	9.663	0	8.265	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	9.486	9.486	0	7.798	0	0	0	0	0	0
2003	285	23	986	360.908	-354.689	D	7.671	7.668	0.003	3.464	96.45	3.35	0	0	0	0.22
2003	286	23	822	358.021	-361.607	D	6.739	6.738	0.001	1.532	99.7	0.1	0	0	0	0.21
2003	287	23	822	358.021	-361.607	D	8.75	8.738	0.012	5.92	97.17	2.78	0	0	0	0.05
2003	288	23	851	361.512	-362.072	D	6.779	6.775	0.004	1.605	96.12	2.77	0	0	0	1.04
2003	289	23	906	364.982	-359.812	D	6.605	6.604	0.001	1.268	99.38	0.26	0	0	0	0.38
2003	290	23	907	365.051	-359.809	D	7.861	7.857	0.004	3.878	97.97	1.97	0	0	0	0.03
2003	291	23	972	362.744	-354.242	D	6.587	6.587	0	1.235	98.82	0.23	0	0	0	0.29
2003	292	23	542	362.638	-354.693	D	6.632	6.632	0	1.323	91.72	0.18	0	0	0	0.23
2003	293	23	1	356.546	-357.458	D	6.776	6.776	0	1.608	0	0	0	0	0	0
2003	294	23	986	360.908	-354.689	D	6.771	6.769	0.002	1.594	97.17	1.44	0	0	0	1.41
2003	295	23	255	360.129	-359.796	D	6.723	6.701	0.021	1.46	98.33	1.05	0	0	0	0.61
2003	296	23	949	365.722	-354.966	D	6.661	6.657	0.004	1.372	98.95	0.16	0	0	0	0.87
2003	297	23	900	364.265	-360.243	D	6.602	6.597	0.005	1.254	99.1	0.4	0	0	0	0.49
2003	298	23	1039	356.522	-357.599	D	7.768	7.753	0.015	3.648	98.45	1.42	0	0	0	0.12
2003	299	23	1039	356.522	-357.599	D	7.789	7.782	0.007	3.712	84.19	15.43	0	0	0	0.34
2003	300	23	930	366.19	-357.232	D	6.561	6.559	0.001	1.182	96.51	2.93	0	0	0	0.6
2003	301	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.333	7.333	0	2.746	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	8.924	8.921	0.002	6.367	98.93	0.91	0	0	0	0.17
2003	305	23	1017	356.894	-355.206	D	7.718	7.695	0.023	3.522	97.56	2.31	0	0	0	0.13
2003	306	23	1017	356.894	-355.206	D	8.897	8.897	0.001	6.307	98.86	1.02	0	0	0	0.07
2003	307	23	967	363.478	-354.116	D	8.153	8.153	0	4.544	96.67	1.58	0	0	0	0.03
2003	308	23	1017	356.894	-355.206	D	7.396	7.394	0.002	2.876	98.83	1.01	0	0	0	0.13
2003	309	23	254	360.14	-360.046	D	7.986	7.902	0.084	3.979	97.77	2.17	0	0	0	0.06
2003	310	23	835	359.911	-362.063	D	8.55	8.481	0.069	5.304	98.35	1.63	0	0	0	0.02
2003	311	23	832	359.493	-362.061	D	7.08	7.079	0.001	2.219	99.12	0.8	0	0	0	0.03
2003	312	23	1	356.546	-357.458	D	6.575	6.575	0	1.212	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	6.5	6.5	0	1.066	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	314	23	1	356.546	-357.458	D	6.62	6.62	0	1.299	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.24	7.24	0	2.552	0	0	0	0	0	0
2003	316	23	947	365.801	-355.162	D	8.832	8.832	0	6.147	94.84	1.04	0	0	0	2.8
2003	317	23	1037	356.5	-357.195	D	6.512	6.511	0.001	1.087	91.31	6.13	0	0	0	2.32
2003	318	23	1017	356.894	-355.206	D	7.317	7.313	0.004	2.705	93.65	5.16	0	0	0	1.19
2003	319	23	1	356.546	-357.458	D	9.228	9.228	0	7.135	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	9.803	9.803	0	8.638	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	9.92	9.92	0	8.955	0	0	0	0	0	0
2003	322	23	1035	356.477	-356.792	D	9.819	9.817	0.003	8.676	97.03	2.96	0	0	0	0.04
2003	323	23	824	358.459	-361.601	D	7.47	7.466	0.003	3.029	87.79	10.89	0	0	0	1.29
2003	324	23	1	356.546	-357.458	D	6.761	6.761	0	1.579	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.385	7.385	0	2.857	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	9.413	9.413	0	7.61	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	8.924	8.915	0.009	6.352	95.93	4.01	0	0	0	0.04
2003	328	23	785	365.637	-355.06	D	7.278	7.278	0	2.632	92.37	2.07	0	0	0	0.02
2003	329	23	1	356.546	-357.458	D	6.534	6.534	0	1.132	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.139	7.139	0	2.342	0	0	0	0	0	0
2003	331	23	1035	356.477	-356.792	D	8.566	8.565	0.001	5.504	94.96	4.8	0	0	0	0.16
2003	332	23	836	360.07	-362.066	D	6.757	6.756	0.002	1.567	77.42	19.9	0	0	0	2.66
2003	333	23	1	356.546	-357.458	D	6.508	6.508	0	1.082	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	6.569	6.569	0	1.199	0	0	0	0	0	0
2003	335	23	822	358.021	-361.607	D	6.648	6.647	0.001	1.352	93.34	5.43	0	0	0	1.23
2003	336	23	1	356.546	-357.458	D	6.505	6.505	0	1.075	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	8.505	8.505	0	5.363	0	0	0	0	0	0
2003	338	23	1017	356.894	-355.206	D	9.322	9.305	0.017	7.332	94.79	5.04	0	0	0	0.17
2003	339	23	928	365.945	-357.303	D	7.791	7.767	0.024	3.68	95.62	4.21	0	0	0	0.17
2003	340	23	822	358.021	-361.607	D	8.078	8.077	0.001	4.371	95.52	4.05	0	0	0	0.4
2003	341	23	1	356.546	-357.458	D	6.655	6.655	0	1.369	0	0	0	0	0	0
2003	342	23	1	356.546	-357.458	D	7.19	7.19	0	2.448	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	9.624	9.624	0	8.161	0	0	0	0	0	0
2003	344	23	947	365.801	-355.162	D	9.059	9.057	0.003	6.703	95.56	4.15	0	0	0	0.27
2003	345	23	907	365.051	-359.809	D	8.356	8.339	0.017	4.972	86.85	12.79	0	0	0	0.37
2003	346	23	809	357.432	-359.845	D	7.206	7.202	0.005	2.473	92.34	7.38	0	0	0	0.27
2003	347	23	10	356.954	-355.443	D	9.343	9.343	0	7.429	96.61	4.62	0	0	0	0.2
2003	348	23	1	356.546	-357.458	D	9.404	9.404	0	7.587	0	0	0	0	0	0
2003	349	23	1	356.546	-357.458	D	9.34	9.34	0	7.422	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	8.7	8.7	0	5.827	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.958	7.958	0	4.104	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.348	7.348	0	2.779	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	353	23	949	365.722	-354.966	D	8.398	8.398	0	5.11	94.16	4.66	0	0	0	0.93
2003	354	23	949	365.722	-354.966	D	6.926	6.919	0.007	1.894	89.97	9.28	0	0	0	0.76
2003	355	23	930	366.19	-357.232	D	6.682	6.682	0.001	1.421	95.91	3.65	0	0	0	0.36
2003	356	23	1	356.546	-357.458	D	9.006	9.006	0	6.576	0	0	0	0	0	0
2003	357	23	1017	356.894	-355.206	D	9.425	9.411	0.014	7.603	96.46	3.31	0	0	0	0.22
2003	358	23	809	357.432	-359.845	D	8.446	8.405	0.041	5.125	96	3.88	0	0	0	0.12
2003	359	23	853	361.666	-362.175	D	6.68	6.677	0.003	1.412	96.03	3.56	0	0	0	0.38
2003	360	23	643	363.609	-354.151	D	7.326	7.321	0.005	2.722	96.89	3	0	0	0	0.09
2003	361	23	1	356.546	-357.458	D	6.809	6.809	0	1.673	0	0	0	0	0	0
2003	362	23	1	356.546	-357.458	D	8.396	8.396	0	5.106	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.193	7.193	0	2.455	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	6.634	6.634	0	1.326	0	0	0	0	0	0
									0.142							
UMC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.068	7.068	0	2.196	0	0	0	0	0	0
2003	2	23	102	358.487	-356.374	D	9.282	9.25	0.032	7.19	69.44	30.51	0	0	0	0.05
2003	3	23	1	356.546	-357.458	D	8.021	8.021	0	4.244	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	6.823	6.823	0	1.702	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.598	7.598	0	3.311	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	8.288	8.288	0	4.854	0	0	0	0	0	0
2003	7	23	930	366.19	-357.232	D	8.524	8.522	0.001	5.403	92.01	7.95	0	0	0	0.02
2003	8	23	1	356.546	-357.458	D	6.824	6.824	0	1.703	0	0	0	0	0	0
2003	9	23	930	366.19	-357.232	D	7.011	6.98	0.031	2.017	89.78	10.05	0	0	0	0.18
2003	10	23	1	356.546	-357.458	D	6.669	6.669	0	1.396	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	6.561	6.561	0	1.184	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	6.491	6.491	0.001	1.048	85.98	13.9	0	0	0	0.11
2003	13	23	930	366.19	-357.232	D	6.648	6.648	0	1.354	87.13	11.99	0	0	0	0.08
2003	14	23	1	356.546	-357.458	D	8.811	8.811	0	6.098	0	0	0	0	0	0
2003	15	23	930	366.19	-357.232	D	6.611	6.606	0.005	1.272	80.62	19.25	0	0	0	0.14
2003	16	23	1035	356.477	-356.792	D	8.271	8.171	0.1	4.585	90.04	9.94	0	0	0	0.02
2003	17	23	1	356.546	-357.458	D	7.735	7.735	0	3.61	0	0	0	0	0	0
2003	18	23	1	356.546	-357.458	D	6.917	6.917	0	1.89	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	6.858	6.858	0	1.771	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	6.636	6.636	0	1.33	0	0	0	0	0	0
2003	21	23	900	364.265	-360.243	D	7.128	7.097	0.031	2.255	86.5	13.49	0	0	0	0.02

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	22	23	930	366.19	-357.232	D	7.192	7.165	0.026	2.397	83.58	16.29	0	0	0	0.14
2003	23	23	907	365.051	-359.809	D	7.152	7.151	0.002	2.367	91.38	8.58	0	0	0	0.02
2003	24	23	930	366.19	-357.232	D	6.743	6.742	0.001	1.54	89.06	10.6	0	0	0	0.05
2003	25	23	906	364.982	-359.812	D	6.497	6.496	0.001	1.059	90.36	9.34	0	0	0	0.04
2003	26	23	906	364.982	-359.812	D	7.139	7.139	0	2.342	92.11	6.8	0	0	0	0.02
2003	27	23	930	366.19	-357.232	D	6.831	6.823	0.008	1.701	85.78	14.16	0	0	0	0.05
2003	28	23	930	366.19	-357.232	D	7.223	7.222	0	2.516	91.11	8.9	0	0	0	0.02
2003	29	23	930	366.19	-357.232	D	9.445	9.296	0.149	7.308	75.24	24.73	0	0	0	0.03
2003	30	23	1017	356.894	-355.206	D	9.166	9.166	0	6.978	97.52	4.01	0	0	0	0.04
2003	31	23	1017	356.894	-355.206	D	7.23	7.23	0	2.531	94.33	5.5	0	0	0	0.01
2003	32	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	34	23	643	363.609	-354.151	D	9.387	9.387	0	7.543	143.5	7.19	0	0	0	0.02
2003	35	23	1	356.546	-357.458	D	7.087	7.087	0	2.235	0	0	0	0	0	0
2003	36	23	789	365.918	-355.796	D	6.579	6.579	0.001	1.219	81.3	18.35	0	0	0	0.2
2003	37	23	1017	356.894	-355.206	D	9.17	9.01	0.16	6.587	91.28	8.71	0	0	0	0.01
2003	38	23	1035	356.477	-356.792	D	8.569	7.857	**0.712**	3.878	93.32	6.67	0	0	0	0
2003	39	23	1	356.546	-357.458	D	7.088	7.088	0	2.237	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.753	7.753	0	3.649	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	9.515	9.515	0	7.875	0	0	0	0	0	0
2003	42	23	1	356.546	-357.458	D	7.016	7.016	0	2.09	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	6.547	6.547	0	1.157	0	0	0	0	0	0
2003	44	23	907	365.051	-359.809	D	6.551	6.551	0.001	1.165	89.07	10.95	0	0	0	0.07
2003	45	23	1	356.546	-357.458	D	9.979	9.979	0	9.117	0	0	0	0	0	0
2003	46	23	255	360.129	-359.796	D	9.991	9.991	0	9.15	20.42	1.25	0	0	0	0
2003	47	23	1037	356.5	-357.195	D	8.501	8.295	0.206	4.87	92.23	7.75	0	0	0	0.02
2003	48	23	1039	356.522	-357.599	D	8.822	8.589	0.233	5.562	85.02	14.95	0	0	0	0.03
2003	49	23	930	366.19	-357.232	D	7.679	7.572	0.106	3.256	90.8	9.19	0	0	0	0.01
2003	50	23	949	365.722	-354.966	D	9.379	9.167	0.212	6.979	96.22	3.77	0	0	0	0
2003	51	23	1035	356.477	-356.792	D	9.714	9.253	0.461	7.199	92.43	7.57	0	0	0	0
2003	52	23	1017	356.894	-355.206	D	9.021	9.011	0.009	6.59	96.02	3.97	0	0	0	0
2003	53	23	1017	356.894	-355.206	D	9.338	9.211	0.127	7.093	89.75	10.23	0	0	0	0.02
2003	54	23	822	358.021	-361.607	D	8.796	8.617	0.179	5.627	87.04	12.95	0	0	0	0.01
2003	55	23	836	360.07	-362.066	D	8.445	8.288	0.158	4.854	91.04	8.95	0	0	0	0.01
2003	56	23	78	358.239	-356.385	D	7.246	7.164	0.082	2.394	73.93	25.97	0	0	0	0.1
2003	57	23	822	358.021	-361.607	D	7.794	7.72	0.075	3.576	92.49	7.5	0	0	0	0.01
2003	58	23	1039	356.522	-357.599	D	8.323	8.268	0.055	4.807	94.76	5.23	0	0	0	0.01
2003	59	23	1017	356.894	-355.206	D	8.486	8.398	0.089	5.109	95.14	4.85	0	0	0	0
2003	60	23	986	360.908	-354.689	D	9.349	9.098	0.25	6.807	95.7	4.3	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	61	23	949	365.722	-354.966	D	9.614	9.158	0.457	6.956	96.33	3.67	0	0	0	0
2003	62	23	907	365.051	-359.809	D	7.531	7.515	0.016	3.133	97.3	2.69	0	0	0	0.01
2003	63	23	907	365.051	-359.809	D	6.977	6.96	0.017	1.978	97.43	2.56	0	0	0	0.01
2003	64	23	933	366.169	-356.524	D	8.339	8.144	0.195	4.523	93.37	6.62	0	0	0	0.01
2003	65	23	949	365.722	-354.966	D	7.796	7.645	0.151	3.413	92.61	7.37	0	0	0	0.02
2003	66	23	930	366.19	-357.232	D	7.216	7.184	0.032	2.435	93.71	6.27	0	0	0	0.02
2003	67	23	932	366.176	-356.761	D	7.052	7.046	0.006	2.152	98.27	1.7	0	0	0	0.01
2003	68	23	930	366.19	-357.232	D	6.991	6.909	0.083	1.873	74.39	25.44	0	0	0	0.17
2003	69	23	832	359.493	-362.061	D	6.658	6.559	0.099	1.181	84.05	15.85	0	0	0	0.1
2003	70	23	1039	356.522	-357.599	D	6.59	6.523	0.066	1.111	94.03	5.92	0	0	0	0.05
2003	71	23	949	365.722	-354.966	D	6.962	6.956	0.006	1.969	97.83	2.15	0	0	0	0.02
2003	72	23	930	366.19	-357.232	D	8.54	8.444	0.096	5.218	98.22	1.76	0	0	0	0.02
2003	73	23	822	358.021	-361.607	D	7.975	7.94	0.035	4.063	97.4	2.59	0	0	0	0.01
2003	74	23	1039	356.522	-357.599	D	8.363	8.288	0.075	4.853	98	1.99	0	0	0	0.01
2003	75	23	1017	356.894	-355.206	D	7.326	7.316	0.009	2.712	99.37	0.62	0	0	0	0.01
2003	76	23	1	356.546	-357.458	D	8.57	8.57	0	5.516	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	8.739	8.739	0	5.922	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	8.895	8.895	0	6.301	0	0	0	0	0	0
2003	79	23	809	357.432	-359.845	D	9.74	9.446	0.295	7.695	95.23	4.76	0	0	0	0
2003	80	23	853	361.666	-362.175	D	8.824	8.56	0.264	5.493	94.25	5.75	0	0	0	0
2003	81	23	1	356.546	-357.458	D	6.524	6.524	0	1.112	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	6.769	6.769	0	1.593	0	0	0	0	0	0
2003	84	23	933	366.169	-356.524	D	7.545	7.491	0.054	3.082	93.42	6.56	0	0	0	0.02
2003	85	23	1017	356.894	-355.206	D	8.989	8.931	0.058	6.39	78.47	21.51	0	0	0	0.02
2003	86	23	929	366.032	-357.239	D	6.573	6.572	0.001	1.205	99.37	0.52	0	0	0	0.02
2003	87	23	785	365.637	-355.06	D	8.509	8.509	0	5.371	97.64	0.19	0	0	0	0.02
2003	88	23	1	356.546	-357.458	D	7.417	7.417	0	2.925	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	6.548	6.548	0	1.16	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	6.475	6.475	0	1.018	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	6.525	6.525	0	1.114	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	6.806	6.806	0	1.667	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.057	7.057	0	2.175	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.929	7.929	0	4.037	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	6.895	6.895	0	1.846	0	0	0	0	0	0
2003	96	23	1002	359.309	-354.73	D	8.491	8.458	0.033	5.251	94.81	5.18	0	0	0	0.01
2003	97	23	643	363.609	-354.151	D	9.275	9.275	0	7.253	97.18	3.11	0	0	0	0
2003	98	23	941	365.977	-355.774	D	7.94	7.855	0.085	3.874	94.99	5	0	0	0	0
2003	99	23	931	366.183	-356.996	D	7.374	7.324	0.05	2.727	89.93	9.99	0	0	0	0.08

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	100	23	900	364.265	-360.243	D	6.639	6.583	0.056	1.227	93.71	6.21	0	0	0	0.08
2003	101	23	955	364.92	-354.582	D	6.506	6.475	0.031	1.018	98.55	1.38	0	0	0	0.07
2003	102	23	931	366.183	-356.996	D	6.539	6.498	0.042	1.062	99.46	0.49	0	0	0	0.04
2003	103	23	930	366.19	-357.232	D	6.529	6.528	0.001	1.121	99.8	0.12	0	0	0	0.03
2003	104	23	930	366.19	-357.232	D	6.621	6.62	0	1.3	99.55	0.29	0	0	0	0.03
2003	105	23	1	356.546	-357.458	D	6.611	6.611	0	1.282	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	6.649	6.649	0	1.357	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	8.443	8.377	0.066	5.061	93.98	6.02	0	0	0	0
2003	108	23	947	365.801	-355.162	D	8.29	8.29	0.001	4.858	99.77	0.08	0	0	0	0.03
2003	109	23	948	365.727	-355.056	D	8.099	8.099	0	4.421	98.87	0.14	0	0	0	0.01
2003	110	23	1	356.546	-357.458	D	9.042	9.042	0	6.666	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.214	7.214	0	2.498	0	0	0	0	0	0
2003	112	23	773	365.4	-355.32	D	6.563	6.55	0.012	1.164	92.14	7.66	0	0	0	0.2
2003	113	23	1017	356.894	-355.206	D	6.56	6.556	0.004	1.174	98.67	1.26	0	0	0	0.07
2003	114	23	1	356.546	-357.458	D	8.459	8.459	0	5.252	0	0	0	0	0	0
2003	115	23	966	363.538	-354.124	D	9.195	9.157	0.038	6.955	96.2	3.78	0	0	0	0.02
2003	116	23	941	365.977	-355.774	D	7.803	7.621	0.182	3.361	93.59	6.39	0	0	0	0.02
2003	117	23	811	357.434	-360.225	D	6.942	6.934	0.008	1.925	98.92	1.06	0	0	0	0.02
2003	118	23	949	365.722	-354.966	D	7.704	7.7	0.004	3.533	99.78	0.2	0	0	0	0.01
2003	119	23	949	365.722	-354.966	D	8.106	8.105	0.001	4.435	98.76	0.96	0	0	0	0
2003	120	23	643	363.609	-354.151	D	8.167	8.166	0	4.575	99.93	0.32	0	0	0	0.01
2003	121	23	973	362.512	-354.246	D	8.019	8.019	0	4.239	99.39	0.47	0	0	0	0.02
2003	122	23	949	365.722	-354.966	D	8.85	8.666	0.185	5.745	97.83	2.13	0	0	0	0.03
2003	123	23	1037	356.5	-357.195	D	8.987	8.071	**0.917**	4.356	97.16	2.83	0	0	0	0.01
2003	124	23	901	364.256	-360.039	D	7.102	7.074	0.028	2.209	99.57	0.42	0	0	0	0.01
2003	125	23	1	356.546	-357.458	D	8.426	8.426	0	5.177	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.215	7.215	0	2.501	0	0	0	0	0	0
2003	127	23	1009	357.941	-354.82	D	8.559	8.486	0.073	5.317	97.65	2.34	0	0	0	0.01
2003	128	23	949	365.722	-354.966	D	7.472	7.458	0.013	3.012	99.66	0.32	0	0	0	0.02
2003	129	23	1	356.546	-357.458	D	7.888	7.888	0	3.947	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	8.54	8.54	0	5.445	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.463	7.463	0	3.022	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	6.616	6.616	0	1.291	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	6.709	6.709	0	1.475	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	9.435	9.435	0	7.667	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	8.531	8.531	0	5.425	0	0	0	0	0	0
2003	136	23	1	356.546	-357.458	D	9.441	9.441	0	7.682	0	0	0	0	0	0
2003	137	23	964	363.678	-354.148	D	9.259	9.253	0.007	7.197	99.79	0.17	0	0	0	0.01
2003	138	23	1035	356.477	-356.792	D	8.978	8.865	0.113	6.23	98.77	1.23	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	139	23	1017	356.894	-355.206	D	8.779	8.751	0.028	5.951	99.22	0.76	0	0	0	0
2003	140	23	949	365.722	-354.966	D	8.673	8.116	**0.557**	4.459	93.92	6.07	0	0	0	0.01
2003	141	23	930	366.19	-357.232	D	6.71	6.686	0.024	1.428	98.57	1.36	0	0	0	0.07
2003	142	23	1017	356.894	-355.206	D	6.899	6.848	0.051	1.751	99.26	0.68	0	0	0	0.06
2003	143	23	1017	356.894	-355.206	D	6.723	6.615	0.108	1.29	99.67	0.28	0	0	0	0.05
2003	144	23	949	365.722	-354.966	D	7.893	7.546	0.346	3.2	99.57	0.41	0	0	0	0.01
2003	145	23	967	363.478	-354.116	D	9.791	9.16	**0.631**	6.962	98.52	1.48	0	0	0	0
2003	146	23	822	358.021	-361.607	D	8.024	7.836	0.188	3.832	99.36	0.64	0	0	0	0.01
2003	147	23	1017	356.894	-355.206	D	6.649	6.637	0.012	1.333	99.37	0.59	0	0	0	0.05
2003	148	23	822	358.021	-361.607	D	6.649	6.635	0.015	1.329	99.79	0.18	0	0	0	0.03
2003	149	23	852	361.595	-362.148	D	7.204	7.203	0.001	2.476	99.99	0.03	0	0	0	0.02
2003	150	23	1	356.546	-357.458	D	6.608	6.608	0	1.277	0	0	0	0	0	0
2003	151	23	949	365.722	-354.966	D	7.162	7.158	0.004	2.382	99.84	0.13	0	0	0	0.06
2003	152	23	1039	356.522	-357.599	D	7.209	7.197	0.013	2.462	99.48	0.47	0	0	0	0.04
2003	153	23	1017	356.894	-355.206	D	8.556	8.537	0.018	5.438	99.14	0.85	0	0	0	0
2003	154	23	949	365.722	-354.966	D	9.453	9.102	0.351	6.816	95.19	4.81	0	0	0	0
2003	155	23	931	366.183	-356.996	D	8.049	8.022	0.028	4.246	93.48	6.51	0	0	0	0.01
2003	156	23	219	359.98	-362.05	D	6.747	6.722	0.026	1.5	99.83	0.14	0	0	0	0.02
2003	157	23	1002	359.309	-354.73	D	8.253	8.092	0.161	4.406	99.09	0.9	0	0	0	0.01
2003	158	23	929	366.032	-357.239	D	7.519	7.518	0.001	3.139	99.62	0.36	0	0	0	0
2003	159	23	644	364.12	-360.12	D	7.648	7.648	0	3.419	91.62	0.07	0	0	0	0.01
2003	160	23	1	356.546	-357.458	D	6.615	6.615	0	1.291	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.537	7.537	0	3.181	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	8.967	8.967	0	6.479	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	8.888	8.888	0	6.285	0	0	0	0	0	0
2003	164	23	1017	356.894	-355.206	D	8.869	8.868	0.001	6.237	100.1	0.06	0	0	0	0.02
2003	165	23	955	364.92	-354.582	D	9.024	8.221	**0.803**	4.699	95.22	4.77	0	0	0	0.01
2003	166	23	853	361.666	-362.175	D	8.061	7.884	0.177	3.937	99.06	0.93	0	0	0	0.01
2003	167	23	900	364.265	-360.243	D	8.14	8.049	0.091	4.307	99.54	0.46	0	0	0	0
2003	168	23	832	359.493	-362.061	D	6.984	6.955	0.029	1.966	99.39	0.6	0	0	0	0.01
2003	169	23	836	360.07	-362.066	D	7.756	7.744	0.012	3.629	99.73	0.26	0	0	0	0
2003	170	23	1017	356.894	-355.206	D	8.326	8.227	0.099	4.715	99.77	0.22	0	0	0	0.01
2003	171	23	853	361.666	-362.175	D	9.102	8.559	**0.543**	5.49	97.28	2.72	0	0	0	0
2003	172	23	1035	356.477	-356.792	D	6.936	6.92	0.017	1.896	99.78	0.2	0	0	0	0.01
2003	173	23	1	356.546	-357.458	D	6.849	6.849	0	1.754	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.954	7.954	0	4.094	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	8.457	8.457	0	5.25	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	178	23	929	366.032	-357.239	D	6.785	6.785	0	1.626	99.88	0.04	0	0	0	0.07
2003	179	23	907	365.051	-359.809	D	6.649	6.646	0.004	1.35	99.81	0.15	0	0	0	0.04
2003	180	23	1017	356.894	-355.206	D	6.702	6.696	0.006	1.448	99.9	0.07	0	0	0	0.02
2003	181	23	1017	356.894	-355.206	D	6.992	6.984	0.008	2.026	99.8	0.17	0	0	0	0.01
2003	182	23	967	363.478	-354.116	D	8.488	8.488	0	5.322	99.12	0.3	0	0	0	0.01
2003	183	23	949	365.722	-354.966	D	7.933	7.932	0.001	4.044	99.57	0.43	0	0	0	0.01
2003	184	23	785	365.637	-355.06	D	7.642	7.642	0	3.406	99.49	0.1	0	0	0	0.01
2003	185	23	1	356.546	-357.458	D	7.012	7.012	0	2.084	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.047	7.047	0	2.154	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.775	7.775	0	3.698	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.13	7.13	0	2.323	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.724	7.724	0	3.585	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	6.906	6.906	0	1.867	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.784	7.784	0	3.717	0	0	0	0	0	0
2003	194	23	949	365.722	-354.966	D	7.464	7.459	0.005	3.013	99.94	0.02	0	0	0	0.03
2003	195	23	933	366.169	-356.524	D	8.696	8.597	0.099	5.581	99.72	0.28	0	0	0	0
2003	196	23	933	366.169	-356.524	D	8.455	8.453	0.001	5.24	99.99	0.02	0	0	0	0.01
2003	197	23	1	356.546	-357.458	D	7.084	7.084	0	2.229	0	0	0	0	0	0
2003	198	23	930	366.19	-357.232	D	7.074	7.073	0.001	2.207	99.98	0.05	0	0	0	0.02
2003	199	23	930	366.19	-357.232	D	6.917	6.917	0	1.89	99.13	0.04	0	0	0	0.02
2003	200	23	931	366.183	-356.996	D	8.006	8.005	0	4.209	99.46	0.05	0	0	0	0.01
2003	201	23	941	365.977	-355.774	D	8.703	8.703	0	5.834	99.81	0.18	0	0	0	0
2003	202	23	1	356.546	-357.458	D	7.723	7.723	0	3.583	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.376	7.376	0	2.837	0	0	0	0	0	0
2003	204	23	1017	356.894	-355.206	D	7.057	7.02	0.037	2.099	99.1	0.82	0	0	0	0.08
2003	205	23	1035	356.477	-356.792	D	6.889	6.785	0.104	1.625	99.81	0.16	0	0	0	0.04
2003	206	23	1017	356.894	-355.206	D	7.098	7.042	0.056	2.144	99.8	0.18	0	0	0	0.02
2003	207	23	1	356.546	-357.458	D	6.959	6.959	0	1.976	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	6.962	6.962	0	1.982	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	210	23	933	366.169	-356.524	D	8.608	8.465	0.143	5.266	95.88	4.11	0	0	0	0.01
2003	211	23	930	366.19	-357.232	D	9.219	8.934	0.285	6.399	98.97	1.02	0	0	0	0
2003	212	23	930	366.19	-357.232	D	8.294	8.147	0.147	4.531	99.4	0.59	0	0	0	0
2003	213	23	907	365.051	-359.809	D	7.067	7.04	0.027	2.14	99.82	0.17	0	0	0	0.01
2003	214	23	930	366.19	-357.232	D	7.742	7.728	0.014	3.595	99.94	0.06	0	0	0	0
2003	215	23	1	356.546	-357.458	D	8.413	8.413	0	5.145	0	0	0	0	0	0
2003	216	23	1	356.546	-357.458	D	7.17	7.17	0	2.406	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	217	23	1	356.546	-357.458	D	7.65	7.65	0	3.425	0	0	0	0	0	0
2003	218	23	1035	356.477	-356.792	D	8.429	8.359	0.069	5.02	99.71	0.27	0	0	0	0.02
2003	219	23	1035	356.477	-356.792	D	8.547	8.242	0.305	4.747	96.26	3.73	0	0	0	0.01
2003	220	23	846	360.93	-362.178	D	7.082	6.896	0.186	1.847	99.67	0.3	0	0	0	0.03
2003	221	23	1035	356.477	-356.792	D	6.942	6.871	0.07	1.798	99.54	0.42	0	0	0	0.04
2003	222	23	1017	356.894	-355.206	D	7.04	6.955	0.086	1.966	99.47	0.49	0	0	0	0.04
2003	223	23	822	358.021	-361.607	D	6.827	6.817	0.01	1.689	99.77	0.2	0	0	0	0.02
2003	224	23	822	358.021	-361.607	D	7.082	7.082	0	2.225	99.72	0.33	0	0	0	0.02
2003	225	23	1	356.546	-357.458	D	7.661	7.661	0	3.448	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	9.004	9.004	0	6.572	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.091	7.091	0	2.245	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	6.939	6.939	0	1.935	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	6.787	6.787	0	1.63	0	0	0	0	0	0
2003	230	23	930	366.19	-357.232	D	6.801	6.797	0.004	1.65	99.95	0.02	0	0	0	0.03
2003	231	23	930	366.19	-357.232	D	7.048	7.022	0.026	2.102	99.87	0.11	0	0	0	0.02
2003	232	23	930	366.19	-357.232	D	7.168	7.143	0.025	2.351	99.84	0.15	0	0	0	0.01
2003	233	23	930	366.19	-357.232	D	6.877	6.861	0.016	1.778	99.8	0.18	0	0	0	0.01
2003	234	23	930	366.19	-357.232	D	7.079	7.058	0.021	2.177	99.91	0.08	0	0	0	0.01
2003	235	23	930	366.19	-357.232	D	7.128	7.032	0.096	2.123	99.84	0.14	0	0	0	0.02
2003	236	23	822	358.021	-361.607	D	8.009	7.855	0.154	3.873	99.09	0.9	0	0	0	0.01
2003	237	23	996	360.121	-355.113	D	7.916	7.754	0.162	3.651	99.85	0.14	0	0	0	0.01
2003	238	23	967	363.478	-354.116	D	7.234	7.213	0.021	2.496	99.96	0.02	0	0	0	0.01
2003	239	23	932	366.176	-356.761	D	7.034	7.033	0.001	2.125	99.85	0.02	0	0	0	0.01
2003	240	23	1	356.546	-357.458	D	7.035	7.035	0	2.13	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	8.765	8.765	0	5.985	0	0	0	0	0	0
2003	242	23	949	365.722	-354.966	D	9.342	9.342	0	7.425	99.77	0.21	0	0	0	0
2003	243	23	967	363.478	-354.116	D	9.381	9.377	0.004	7.517	98.91	1.07	0	0	0	0
2003	244	23	1	356.546	-357.458	D	9.054	9.054	0	6.695	0	0	0	0	0	0
2003	245	23	996	360.121	-355.113	D	9.739	9.651	0.088	8.234	99.67	0.32	0	0	0	0
2003	246	23	1039	356.522	-357.599	D	9.423	9.148	0.276	6.931	98.69	1.3	0	0	0	0
2003	247	23	927	365.912	-357.454	D	7.945	7.719	0.226	3.574	93.31	6.66	0	0	0	0.03
2003	248	23	1035	356.477	-356.792	D	6.822	6.738	0.083	1.533	98.34	1.59	0	0	0	0.07
2003	249	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	6.825	6.825	0	1.706	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.117	7.117	0	2.298	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.349	7.349	0	2.78	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	8.372	8.372	0	5.05	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	9.772	9.772	0	8.557	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	256	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2003	257	23	906	364.982	-359.812	D	8.954	8.453	**0.501**	5.24	95.89	4.1	0	0	0	0.01
2003	258	23	1	356.546	-357.458	D	6.72	6.72	0	1.496	0	0	0	0	0	0
2003	259	23	930	366.19	-357.232	D	6.692	6.69	0.002	1.437	99.78	0.12	0	0	0	0.06
2003	260	23	941	365.977	-355.774	D	6.887	6.862	0.025	1.78	99.56	0.42	0	0	0	0.02
2003	261	23	643	363.609	-354.151	D	6.921	6.92	0.001	1.895	99.85	0.14	0	0	0	0.02
2003	262	23	1	356.546	-357.458	D	7.657	7.657	0	3.439	0	0	0	0	0	0
2003	263	23	933	366.169	-356.524	D	6.632	6.593	0.039	1.247	98.91	1.03	0	0	0	0.07
2003	264	23	1017	356.894	-355.206	D	6.941	6.887	0.055	1.829	99.77	0.21	0	0	0	0.02
2003	265	23	949	365.722	-354.966	D	9.194	9.139	0.055	6.909	98.75	1.24	0	0	0	0
2003	266	23	906	364.982	-359.812	D	6.917	6.917	0	1.89	99.83	0.07	0	0	0	0.01
2003	267	23	1	356.546	-357.458	D	6.878	6.878	0	1.812	0	0	0	0	0	0
2003	268	23	1017	356.894	-355.206	D	6.74	6.728	0.012	1.512	94.13	5.44	0	0	0	0.43
2003	269	23	219	359.98	-362.05	D	6.956	6.939	0.017	1.935	98.92	1.05	0	0	0	0.02
2003	270	23	930	366.19	-357.232	D	7.536	7.533	0.003	3.171	88.09	11.76	0	0	0	0.15
2003	271	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2003	272	23	779	365.703	-356.555	D	6.591	6.539	0.051	1.142	81.56	18.07	0	0	0	0.36
2003	273	23	949	365.722	-354.966	D	6.748	6.735	0.014	1.525	97.22	2.74	0	0	0	0.04
2003	274	23	972	362.744	-354.242	D	9.221	9.087	0.134	6.78	93.53	6.47	0	0	0	0.01
2003	275	23	255	360.129	-359.796	D	6.597	6.594	0.003	1.248	82.45	17.32	0	0	0	0.22
2003	276	23	832	359.493	-362.061	D	6.806	6.793	0.013	1.641	98.22	1.76	0	0	0	0.02
2003	277	23	907	365.051	-359.809	D	6.991	6.989	0.002	2.036	99.69	0.29	0	0	0	0.02
2003	278	23	930	366.19	-357.232	D	6.653	6.647	0.006	1.353	99.5	0.45	0	0	0	0.04
2003	279	23	900	364.265	-360.243	D	8.894	8.771	0.123	5.999	98.1	1.89	0	0	0	0.01
2003	280	23	811	357.434	-360.225	D	7.318	7.272	0.045	2.62	99.47	0.51	0	0	0	0.01
2003	281	23	1017	356.894	-355.206	D	7.338	7.326	0.012	2.733	99.62	0.37	0	0	0	0.01
2003	282	23	1007	358.259	-354.768	D	8.879	8.877	0.002	6.259	99.5	0.39	0	0	0	0.01
2003	283	23	108	358.421	-354.879	D	9.663	9.663	0	8.265	98.27	0.76	0	0	0	0
2003	284	23	1	356.546	-357.458	D	9.486	9.486	0	7.798	0	0	0	0	0	0
2003	285	23	846	360.93	-362.178	D	7.603	7.57	0.034	3.251	99.06	0.83	0	0	0	0.11
2003	286	23	1039	356.522	-357.599	D	6.777	6.738	0.039	1.532	99.3	0.65	0	0	0	0.05
2003	287	23	947	365.801	-355.162	D	8.787	8.738	0.049	5.919	97.44	2.56	0	0	0	0
2003	288	23	1	356.546	-357.458	D	6.773	6.773	0	1.602	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	6.605	6.605	0	1.27	0	0	0	0	0	0
2003	290	23	787	365.962	-356.793	D	7.877	7.857	0.02	3.878	95.71	4.28	0	0	0	0
2003	291	23	1017	356.894	-355.206	D	6.612	6.586	0.026	1.234	98.39	1.55	0	0	0	0.06
2003	292	23	853	361.666	-362.175	D	6.642	6.629	0.012	1.318	99.71	0.25	0	0	0	0.04
2003	293	23	907	365.051	-359.809	D	6.793	6.79	0.002	1.636	99.84	0.09	0	0	0	0.02
2003	294	23	929	366.032	-357.239	D	6.775	6.775	0	1.606	99.86	0.12	0	0	0	0.02

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	295	23	1035	356.477	-356.792	D	6.716	6.701	0.015	1.459	98.79	1.07	0	0	0	0.14
2003	296	23	963	363.809	-354.192	D	6.667	6.657	0.01	1.372	99.41	0.48	0	0	0	0.08
2003	297	23	949	365.722	-354.966	D	6.624	6.594	0.03	1.249	99.4	0.54	0	0	0	0.05
2003	298	23	806	357.415	-359.242	D	8.102	7.753	0.349	3.648	93.25	6.72	0	0	0	0.02
2003	299	23	907	365.051	-359.809	D	7.831	7.776	0.055	3.699	91.06	8.93	0	0	0	0.01
2003	300	23	619	363.872	-360.131	D	6.556	6.556	0	1.175	79.67	0.73	0	0	0	0.01
2003	301	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.333	7.333	0	2.746	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	8.921	8.921	0	6.367	0	0	0	0	0	0
2003	305	23	949	365.722	-354.966	D	8.093	7.695	0.398	3.522	89.42	10.54	0	0	0	0.04
2003	306	23	964	363.678	-354.148	D	8.881	8.88	0.001	6.266	98.69	1.29	0	0	0	0.01
2003	307	23	1	356.546	-357.458	D	8.069	8.069	0	4.352	0	0	0	0	0	0
2003	308	23	1008	358.048	-354.775	D	7.397	7.394	0.003	2.876	96.94	3.07	0	0	0	0.01
2003	309	23	900	364.265	-360.243	D	7.968	7.902	0.066	3.979	93.65	6.3	0	0	0	0.04
2003	310	23	219	359.98	-362.05	D	8.731	8.481	0.25	5.304	92.27	7.71	0	0	0	0.02
2003	311	23	822	358.021	-361.607	D	7.172	7.079	0.093	2.219	93.57	6.4	0	0	0	0.02
2003	312	23	1	356.546	-357.458	D	6.575	6.575	0	1.212	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	6.5	6.5	0	1.066	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	6.62	6.62	0	1.299	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.24	7.24	0	2.552	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	8.831	8.831	0	6.146	0	0	0	0	0	0
2003	317	23	1	356.546	-357.458	D	6.511	6.511	0	1.087	0	0	0	0	0	0
2003	318	23	907	365.051	-359.809	D	7.337	7.336	0.001	2.754	95.83	4.42	0	0	0	0.01
2003	319	23	930	366.19	-357.232	D	9.349	9.349	0.001	7.444	93.07	6.93	0	0	0	0.01
2003	320	23	1	356.546	-357.458	D	9.803	9.803	0	8.638	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	9.92	9.92	0	8.955	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	9.817	9.817	0	8.676	0	0	0	0	0	0
2003	323	23	931	366.183	-356.996	D	7.555	7.536	0.019	3.178	96.63	3.37	0	0	0	0
2003	324	23	1	356.546	-357.458	D	6.761	6.761	0	1.579	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.385	7.385	0	2.857	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	9.413	9.413	0	7.61	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	8.987	8.915	0.072	6.352	93.31	6.69	0	0	0	0
2003	328	23	1	356.546	-357.458	D	7.277	7.277	0	2.629	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	6.534	6.534	0	1.132	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.139	7.139	0	2.342	0	0	0	0	0	0
2003	331	23	933	366.169	-356.524	D	8.63	8.612	0.018	5.616	94.87	5.11	0	0	0	0.02
2003	332	23	930	366.19	-357.232	D	6.757	6.756	0.002	1.567	95.45	4.59	0	0	0	0.01
2003	333	23	1	356.546	-357.458	D	6.508	6.508	0	1.082	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	334	23	1	356.546	-357.458	D	6.569	6.569	0	1.199	0	0	0	0	0	0
2003	335	23	78	358.239	-356.385	D	6.694	6.645	0.049	1.349	75.45	24.2	0	0	0	0.35
2003	336	23	1017	356.894	-355.206	D	6.505	6.505	0	1.075	90.55	9.23	0	0	0	0.16
2003	337	23	1	356.546	-357.458	D	8.505	8.505	0	5.363	0	0	0	0	0	0
2003	338	23	1017	356.894	-355.206	D	9.521	9.305	0.216	7.332	92.02	7.97	0	0	0	0.01
2003	339	23	822	358.021	-361.607	D	7.769	7.767	0.001	3.68	96.48	3.52	0	0	0	0.01
2003	340	23	929	366.032	-357.239	D	8.09	8.09	0	4.4	92.15	8.02	0	0	0	0.06
2003	341	23	933	366.169	-356.524	D	6.665	6.658	0.007	1.374	89.06	10.89	0	0	0	0.05
2003	342	23	1	356.546	-357.458	D	7.19	7.19	0	2.448	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	9.624	9.624	0	8.161	0	0	0	0	0	0
2003	344	23	955	364.92	-354.582	D	9.187	9.057	0.13	6.703	91.3	8.7	0	0	0	0.01
2003	345	23	1	356.546	-357.458	D	8.216	8.216	0	4.687	0	0	0	0	0	0
2003	346	23	949	365.722	-354.966	D	7.257	7.218	0.039	2.507	90.24	9.73	0	0	0	0.02
2003	347	23	1039	356.522	-357.599	D	9.365	9.343	0.022	7.429	92.43	7.56	0	0	0	0.01
2003	348	23	822	358.021	-361.607	D	9.463	9.399	0.064	7.573	94.07	5.92	0	0	0	0
2003	349	23	933	366.169	-356.524	D	9.372	9.359	0.012	7.47	95.32	4.67	0	0	0	0
2003	350	23	594	363.123	-354.422	D	8.702	8.702	0	5.832	92.35	3.94	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.958	7.958	0	4.104	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.348	7.348	0	2.779	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	8.258	8.258	0	4.785	0	0	0	0	0	0
2003	354	23	1	356.546	-357.458	D	6.893	6.893	0	1.842	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	6.678	6.678	0	1.413	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	9.006	9.006	0	6.576	0	0	0	0	0	0
2003	357	23	933	366.169	-356.524	D	9.443	9.343	0.1	7.43	76.21	23.76	0	0	0	0.04
2003	358	23	1	356.546	-357.458	D	8.405	8.405	0	5.125	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	6.685	6.685	0	1.427	0	0	0	0	0	0
2003	360	23	786	365.973	-357.042	D	7.324	7.321	0.003	2.722	94.23	5.71	0	0	0	0.03
2003	361	23	933	366.169	-356.524	D	6.826	6.823	0.004	1.701	94.34	5.65	0	0	0	0.03
2003	362	23	1	356.546	-357.458	D	8.396	8.396	0	5.106	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.193	7.193	0	2.455	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	6.634	6.634	0	1.326	0	0	0	0	0	0
									0.917							
NORANDA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.068	7.068	0	2.196	0	0	0	0	0	0
2003	2	23	1	356.546	-357.458	D	9.25	9.25	0	7.19	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	3	23	1	356.546	-357.458	D	8.021	8.021	0	4.244	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	6.823	6.823	0	1.702	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.598	7.598	0	3.311	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	8.288	8.288	0	4.854	0	0	0	0	0	0
2003	7	23	1	356.546	-357.458	D	8.571	8.571	0	5.518	0	0	0	0	0	0
2003	8	23	1	356.546	-357.458	D	6.824	6.824	0	1.703	0	0	0	0	0	0
2003	9	23	1	356.546	-357.458	D	7.007	7.007	0	2.072	0	0	0	0	0	0
2003	10	23	1	356.546	-357.458	D	6.669	6.669	0	1.396	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	6.561	6.561	0	1.184	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	6.491	6.491	0	1.048	95.61	0.02	0	0	0.51	3.66
2003	13	23	930	366.19	-357.232	D	6.648	6.648	0	1.354	95.91	0.02	0	0	0.19	3.28
2003	14	23	1	356.546	-357.458	D	8.811	8.811	0	6.098	0	0	0	0	0	0
2003	15	23	1	356.546	-357.458	D	6.607	6.607	0	1.274	0	0	0	0	0	0
2003	16	23	1017	356.894	-355.206	D	8.303	8.171	0.132	4.585	96.53	0.32	0	0	0.14	3.01
2003	17	23	905	364.788	-359.816	D	7.735	7.735	0	3.61	52.05	0	0	0	1.28	7.52
2003	18	23	1	356.546	-357.458	D	6.917	6.917	0	1.89	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	6.858	6.858	0	1.771	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	6.636	6.636	0	1.33	0	0	0	0	0	0
2003	21	23	1	356.546	-357.458	D	7.097	7.097	0	2.257	0	0	0	0	0	0
2003	22	23	1	356.546	-357.458	D	7.178	7.178	0	2.424	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.144	7.144	0	2.353	0	0	0	0	0	0
2003	24	23	1	356.546	-357.458	D	6.741	6.741	0	1.539	0	0	0	0	0	0
2003	25	23	1	356.546	-357.458	D	6.496	6.496	0	1.059	0	0	0	0	0	0
2003	26	23	1	356.546	-357.458	D	7.143	7.143	0	2.35	0	0	0	0	0	0
2003	27	23	906	364.982	-359.812	D	6.823	6.823	0	1.701	94.01	0.04	0	0	0.22	5.08
2003	28	23	929	366.032	-357.239	D	7.223	7.222	0	2.516	86.19	0.47	0	0	0.08	14.21
2003	29	23	1	356.546	-357.458	D	9.286	9.286	0	7.281	0	0	0	0	0	0
2003	30	23	1	356.546	-357.458	D	9.166	9.166	0	6.978	0	0	0	0	0	0
2003	31	23	907	365.051	-359.809	D	7.293	7.28	0.013	2.636	98.66	0.05	0	0	0.02	1.26
2003	32	23	1	356.546	-357.458	D	8.138	8.138	0	4.509	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	34	23	1	356.546	-357.458	D	9.353	9.353	0	7.455	0	0	0	0	0	0
2003	35	23	1	356.546	-357.458	D	7.087	7.087	0	2.235	0	0	0	0	0	0
2003	36	23	1	356.546	-357.458	D	6.578	6.578	0	1.218	0	0	0	0	0	0
2003	37	23	907	365.051	-359.809	D	9.235	9.007	0.229	6.578	98.4	0.22	0	0	0.07	1.31
2003	38	23	900	364.265	-360.243	D	7.977	7.94	0.037	4.063	99.36	0.1	0	0	0.01	0.53
2003	39	23	1	356.546	-357.458	D	7.088	7.088	0	2.237	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.753	7.753	0	3.649	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	9.515	9.515	0	7.875	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	42	23	1	356.546	-357.458	D	7.016	7.016	0	2.09	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	6.547	6.547	0	1.157	0	0	0	0	0	0
2003	44	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2003	45	23	1	356.546	-357.458	D	9.979	9.979	0	9.117	0	0	0	0	0	0
2003	46	23	949	365.722	-354.966	D	10.024	9.991	0.033	9.15	98.97	0.1	0	0	0.01	0.92
2003	47	23	822	358.021	-361.607	D	8.335	8.295	0.04	4.87	99.15	0.1	0	0	0	0.74
2003	48	23	1	356.546	-357.458	D	8.589	8.589	0	5.562	0	0	0	0	0	0
2003	49	23	1	356.546	-357.458	D	7.467	7.467	0	3.031	0	0	0	0	0	0
2003	50	23	907	365.051	-359.809	D	9.175	9.167	0.008	6.979	94.03	0.8	0	0	0.1	5.02
2003	51	23	900	364.265	-360.243	D	9.274	9.242	0.032	7.17	99.14	0.07	0	0	0.11	0.68
2003	52	23	853	361.666	-362.175	D	9.534	9.039	0.495	6.659	99.26	0.05	0	0	0.06	0.63
2003	53	23	853	361.666	-362.175	D	9.278	9.207	0.071	7.081	99.65	0.03	0	0	0.02	0.29
2003	54	23	1	356.546	-357.458	D	8.617	8.617	0	5.627	0	0	0	0	0	0
2003	55	23	933	366.169	-356.524	D	8.294	8.294	0.001	4.868	99.91	0.01	0	0	0.01	0.13
2003	56	23	1	356.546	-357.458	D	7.164	7.164	0	2.394	0	0	0	0	0	0
2003	57	23	845	360.851	-362.181	D	7.689	7.689	0	3.509	96.54	0.11	0	0	0.36	3.14
2003	58	23	255	360.129	-359.796	D	8.261	8.255	0.006	4.778	98.94	0.06	0	0	0.1	0.9
2003	59	23	219	359.98	-362.05	D	8.39	8.381	0.009	5.071	99	0.05	0	0	0.06	0.88
2003	60	23	853	361.666	-362.175	D	9.234	9.158	0.077	6.957	99.39	0.05	0	0	0.03	0.53
2003	61	23	907	365.051	-359.809	D	9.193	9.158	0.035	6.956	99.57	0.05	0	0	0.01	0.37
2003	62	23	1	356.546	-357.458	D	7.514	7.514	0	3.13	0	0	0	0	0	0
2003	63	23	1	356.546	-357.458	D	6.958	6.958	0	1.972	0	0	0	0	0	0
2003	64	23	1	356.546	-357.458	D	8.11	8.11	0	4.446	0	0	0	0	0	0
2003	65	23	1	356.546	-357.458	D	7.645	7.645	0	3.413	0	0	0	0	0	0
2003	66	23	1	356.546	-357.458	D	7.121	7.121	0	2.306	0	0	0	0	0	0
2003	67	23	1	356.546	-357.458	D	7.027	7.027	0	2.114	0	0	0	0	0	0
2003	68	23	1	356.546	-357.458	D	6.909	6.909	0	1.874	0	0	0	0	0	0
2003	69	23	1	356.546	-357.458	D	6.56	6.56	0	1.183	0	0	0	0	0	0
2003	70	23	906	364.982	-359.812	D	6.521	6.521	0	1.107	91.39	0.01	0	0	0.56	7.7
2003	71	23	907	365.051	-359.809	D	6.961	6.956	0.005	1.969	93.14	0.05	0	0	0.06	6.73
2003	72	23	1	356.546	-357.458	D	8.5	8.5	0	5.349	0	0	0	0	0	0
2003	73	23	1	356.546	-357.458	D	7.94	7.94	0	4.063	0	0	0	0	0	0
2003	74	23	907	365.051	-359.809	D	8.318	8.294	0.024	4.868	98.57	0.03	0	0	0.09	1.3
2003	75	23	949	365.722	-354.966	D	7.408	7.392	0.016	2.871	97.41	0.06	0	0	0.03	2.48
2003	76	23	949	365.722	-354.966	D	8.543	8.539	0.005	5.441	98.83	0.04	0	0	0.01	1.05
2003	77	23	949	365.722	-354.966	D	8.765	8.743	0.022	5.93	99.25	0	0	0	0.12	0.62
2003	78	23	966	363.538	-354.124	D	9.095	8.892	0.203	6.296	98.02	0.23	0	0	0.09	1.66
2003	79	23	809	357.432	-359.845	D	9.504	9.446	0.058	7.695	99.7	0.05	0	0	0	0.24
2003	80	23	907	365.051	-359.809	D	8.624	8.614	0.009	5.621	99.48	0.08	0	0	0	0.45

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	81	23	1	356.546	-357.458	D	6.524	6.524	0	1.112	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	6.55	6.55	0	1.163	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	6.769	6.769	0	1.593	0	0	0	0	0	0
2003	84	23	1	356.546	-357.458	D	7.434	7.434	0	2.96	0	0	0	0	0	0
2003	85	23	1	356.546	-357.458	D	8.931	8.931	0	6.39	0	0	0	0	0	0
2003	86	23	930	366.19	-357.232	D	6.58	6.572	0.008	1.205	91.82	0.06	0	0	0.36	7.75
2003	87	23	1	356.546	-357.458	D	8.497	8.497	0	5.343	0	0	0	0	0	0
2003	88	23	1	356.546	-357.458	D	7.417	7.417	0	2.925	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	6.548	6.548	0	1.16	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	6.475	6.475	0	1.018	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	6.525	6.525	0	1.114	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	6.806	6.806	0	1.667	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.057	7.057	0	2.175	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.929	7.929	0	4.037	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	6.895	6.895	0	1.846	0	0	0	0	0	0
2003	96	23	822	358.021	-361.607	D	8.528	8.427	0.101	5.179	97.59	0.05	0	0	0.14	2.22
2003	97	23	1017	356.894	-355.206	D	9.287	9.255	0.032	7.203	96.18	0.93	0	0	0.02	2.86
2003	98	23	933	366.169	-356.524	D	7.822	7.815	0.007	3.786	99.15	0.08	0	0	0	0.76
2003	99	23	1	356.546	-357.458	D	7.347	7.347	0	2.776	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	6.576	6.576	0	1.213	0	0	0	0	0	0
2003	101	23	1	356.546	-357.458	D	6.475	6.475	0	1.018	0	0	0	0	0	0
2003	102	23	1	356.546	-357.458	D	6.498	6.498	0	1.062	0	0	0	0	0	0
2003	103	23	1	356.546	-357.458	D	6.527	6.527	0	1.118	0	0	0	0	0	0
2003	104	23	1	356.546	-357.458	D	6.619	6.619	0	1.299	0	0	0	0	0	0
2003	105	23	1	356.546	-357.458	D	6.611	6.611	0	1.282	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	6.649	6.649	0	1.357	0	0	0	0	0	0
2003	107	23	1	356.546	-357.458	D	8.358	8.358	0	5.017	0	0	0	0	0	0
2003	108	23	933	366.169	-356.524	D	8.294	8.29	0.005	4.858	98.23	0	0	0	0.16	1.61
2003	109	23	949	365.722	-354.966	D	8.101	8.099	0.002	4.421	95.92	0	0	0	0.13	3.91
2003	110	23	1	356.546	-357.458	D	9.042	9.042	0	6.666	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.214	7.214	0	2.498	0	0	0	0	0	0
2003	112	23	1	356.546	-357.458	D	6.545	6.545	0	1.154	0	0	0	0	0	0
2003	113	23	861	361.895	-361.506	D	6.566	6.554	0.012	1.17	79.34	0.02	0	0	2.66	17.97
2003	114	23	1039	356.522	-357.599	D	8.47	8.459	0.011	5.252	97.7	0.04	0	0	0.07	2.2
2003	115	23	1039	356.522	-357.599	D	9.205	9.147	0.058	6.929	98.76	0.03	0	0	0.02	1.19
2003	116	23	927	365.912	-357.454	D	7.696	7.621	0.075	3.361	99.1	0.01	0	0	0.02	0.87
2003	117	23	907	365.051	-359.809	D	6.914	6.914	0	1.884	94.69	0	0	0	0.66	4.51
2003	118	23	927	365.912	-357.454	D	7.703	7.7	0.003	3.533	97.7	0	0	0	0.1	2.16
2003	119	23	1	356.546	-357.458	D	8.099	8.099	0	4.421	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	120	23	1	356.546	-357.458	D	8.15	8.15	0	4.536	0	0	0	0	0	0
2003	121	23	1	356.546	-357.458	D	8.057	8.057	0	4.325	0	0	0	0	0	0
2003	122	23	1	356.546	-357.458	D	8.672	8.672	0	5.761	0	0	0	0	0	0
2003	123	23	1	356.546	-357.458	D	8.071	8.071	0	4.356	0	0	0	0	0	0
2003	124	23	900	364.265	-360.243	D	7.098	7.074	0.024	2.209	96.03	0.01	0	0	0.05	3.9
2003	125	23	1	356.546	-357.458	D	8.426	8.426	0	5.177	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.215	7.215	0	2.501	0	0	0	0	0	0
2003	127	23	1	356.546	-357.458	D	8.486	8.486	0	5.317	0	0	0	0	0	0
2003	128	23	947	365.801	-355.162	D	7.459	7.458	0.001	3.012	99.42	0	0	0	0.12	0.49
2003	129	23	1	356.546	-357.458	D	7.888	7.888	0	3.947	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	8.54	8.54	0	5.445	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.463	7.463	0	3.022	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	6.616	6.616	0	1.291	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	6.709	6.709	0	1.475	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	9.435	9.435	0	7.667	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	8.531	8.531	0	5.425	0	0	0	0	0	0
2003	136	23	949	365.722	-354.966	D	9.517	9.456	0.061	7.721	98.62	0.11	0	0	0.06	1.2
2003	137	23	930	366.19	-357.232	D	9.274	9.256	0.018	7.206	96.79	0.01	0	0	0.48	2.72
2003	138	23	1039	356.522	-357.599	D	8.911	8.865	0.046	6.23	99.41	0.02	0	0	0.03	0.53
2003	139	23	907	365.051	-359.809	D	8.776	8.752	0.024	5.953	98.14	0.01	0	0	0.28	1.57
2003	140	23	907	365.051	-359.809	D	8.333	8.116	0.217	4.459	99.34	0.02	0	0	0.04	0.6
2003	141	23	821	358.053	-361.416	D	6.685	6.685	0	1.427	96.4	0	0	0	0.03	2.48
2003	142	23	1	356.546	-357.458	D	6.848	6.848	0	1.751	0	0	0	0	0	0
2003	143	23	1	356.546	-357.458	D	6.615	6.615	0	1.29	0	0	0	0	0	0
2003	144	23	907	365.051	-359.809	D	7.581	7.546	0.034	3.2	99.75	0.01	0	0	0.03	0.2
2003	145	23	941	365.977	-355.774	D	9.294	9.16	0.134	6.962	99.48	0.02	0	0	0.03	0.47
2003	146	23	832	359.493	-362.061	D	7.87	7.836	0.034	3.832	99.1	0.02	0	0	0.03	0.86
2003	147	23	247	360.217	-361.79	D	6.64	6.64	0	1.34	81.83	0	0	0	0.09	5.93
2003	148	23	1	356.546	-357.458	D	6.635	6.635	0	1.33	0	0	0	0	0	0
2003	149	23	1	356.546	-357.458	D	7.194	7.194	0	2.457	0	0	0	0	0	0
2003	150	23	1	356.546	-357.458	D	6.608	6.608	0	1.277	0	0	0	0	0	0
2003	151	23	1	356.546	-357.458	D	7.158	7.158	0	2.382	0	0	0	0	0	0
2003	152	23	1	356.546	-357.458	D	7.197	7.197	0	2.462	0	0	0	0	0	0
2003	153	23	941	365.977	-355.774	D	8.581	8.527	0.054	5.415	98.66	0.02	0	0	0.03	1.29
2003	154	23	949	365.722	-354.966	D	9.572	9.102	0.47	6.816	99.27	0.03	0	0	0.03	0.67
2003	155	23	906	364.982	-359.812	D	8.023	8.022	0.001	4.246	95.51	0	0	0	0.34	4.14
2003	156	23	44	358.21	-361.379	D	6.722	6.722	0	1.5	85.45	0	0	0	0.91	12.1
2003	157	23	928	365.945	-357.303	D	8.026	7.985	0.041	4.163	98.54	0.01	0	0	0.1	1.35
2003	158	23	930	366.19	-357.232	D	7.523	7.518	0.005	3.139	98.47	0.01	0	0	0.07	1.46

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	159	23	929	366.032	-357.239	D	7.678	7.678	0	3.484	90.9	0	0	0	0.13	5.84
2003	160	23	1	356.546	-357.458	D	6.615	6.615	0	1.291	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.537	7.537	0	3.181	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	8.967	8.967	0	6.479	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	8.888	8.888	0	6.285	0	0	0	0	0	0
2003	164	23	1	356.546	-357.458	D	8.868	8.868	0	6.237	0	0	0	0	0	0
2003	165	23	1	356.546	-357.458	D	8.223	8.223	0	4.704	0	0	0	0	0	0
2003	166	23	1	356.546	-357.458	D	7.897	7.897	0	3.967	0	0	0	0	0	0
2003	167	23	900	364.265	-360.243	D	8.054	8.049	0.005	4.307	99.6	0.01	0	0	0.06	0.32
2003	168	23	845	360.851	-362.181	D	6.983	6.954	0.028	1.965	98.88	0.01	0	0	0.15	0.96
2003	169	23	853	361.666	-362.175	D	7.929	7.744	0.185	3.629	98.83	0.04	0	0	0.12	1.01
2003	170	23	853	361.666	-362.175	D	8.304	8.282	0.021	4.841	99.04	0.01	0	0	0.11	0.83
2003	171	23	906	364.982	-359.812	D	8.6	8.599	0.002	5.584	99.48	0	0	0	0.01	0.33
2003	172	23	927	365.912	-357.454	D	7.002	6.919	0.084	1.893	94.74	0.01	0	0	0.72	4.53
2003	173	23	955	364.92	-354.582	D	6.838	6.831	0.007	1.717	81.07	0.02	0	0	0.4	18.5
2003	174	23	929	366.032	-357.239	D	7.009	7.009	0	2.077	65.82	0	0	0	1.02	8.82
2003	175	23	1	356.546	-357.458	D	7.954	7.954	0	4.094	85.04	0	0	0	0.3	5.58
2003	176	23	1	356.546	-357.458	D	8.379	8.379	0	5.066	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	8.457	8.457	0	5.25	0	0	0	0	0	0
2003	178	23	1	356.546	-357.458	D	6.78	6.78	0	1.615	0	0	0	0	0	0
2003	179	23	853	361.666	-362.175	D	6.64	6.64	0	1.339	93.12	0	0	0	1.37	5.47
2003	180	23	219	359.98	-362.05	D	6.764	6.697	0.067	1.451	96.42	0	0	0	0.34	3.23
2003	181	23	933	366.169	-356.524	D	7.054	7.018	0.036	2.094	97.8	0	0	0	0.13	2.07
2003	182	23	974	362.281	-354.249	D	8.499	8.488	0.011	5.322	98.06	0.02	0	0	0.13	1.76
2003	183	23	930	366.19	-357.232	D	8.002	7.934	0.068	4.05	99.47	0.01	0	0	0.04	0.48
2003	184	23	907	365.051	-359.809	D	7.691	7.642	0.05	3.406	98.92	0	0	0	0.08	1
2003	185	23	786	365.973	-357.042	D	7.055	7.021	0.034	2.102	98.27	0	0	0	0.09	1.64
2003	186	23	933	366.169	-356.524	D	7.07	7.069	0.001	2.199	90.7	0	0	0	1.12	8.13
2003	187	23	516	362.412	-355.202	D	7.773	7.773	0	3.693	91.37	0	0	0	1.6	4.57
2003	188	23	1	356.546	-357.458	D	7.138	7.138	0	2.341	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.032	7.032	0	2.124	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.13	7.13	0	2.323	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.724	7.724	0	3.585	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	6.906	6.906	0	1.867	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.784	7.784	0	3.717	0	0	0	0	0	0
2003	194	23	1	356.546	-357.458	D	7.438	7.438	0	2.97	0	0	0	0	0	0
2003	195	23	930	366.19	-357.232	D	8.615	8.597	0.017	5.581	99.81	0	0	0	0.02	0.16
2003	196	23	933	366.169	-356.524	D	8.454	8.453	0.001	5.24	99.63	0	0	0	0.03	0.4
2003	197	23	1	356.546	-357.458	D	7.084	7.084	0	2.229	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	198	23	775	365.747	-357.551	D	7.071	7.071	0	2.203	43.76	0	0	0	0.91	17.27
2003	199	23	929	366.032	-357.239	D	6.917	6.917	0	1.89	94.32	0	0	0	0.41	4.72
2003	200	23	930	366.19	-357.232	D	8.005	8.005	0	4.209	91.86	0	0	0	0.22	6.9
2003	201	23	930	366.19	-357.232	D	8.708	8.708	0	5.847	92.85	0.44	0	0	0.24	5.57
2003	202	23	1	356.546	-357.458	D	7.723	7.723	0	3.583	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.376	7.376	0	2.837	0	0	0	0	0	0
2003	204	23	1	356.546	-357.458	D	7.02	7.02	0	2.099	0	0	0	0	0	0
2003	205	23	853	361.666	-362.175	D	6.796	6.796	0	1.647	98.11	0	0	0	0.44	1.25
2003	206	23	219	359.98	-362.05	D	7.098	7.044	0.054	2.148	97.83	0	0	0	0.25	1.92
2003	207	23	996	360.121	-355.113	D	7	6.98	0.02	2.018	97.75	0	0	0	0.12	2.13
2003	208	23	747	364.871	-354.594	D	6.962	6.962	0	1.98	98.36	0	0	0	0.06	1.65
2003	209	23	1	356.546	-357.458	D	6.92	6.92	0	1.895	0	0	0	0	0	0
2003	210	23	900	364.265	-360.243	D	8.485	8.481	0.004	5.306	99.5	0	0	0	0.06	0.41
2003	211	23	900	364.265	-360.243	D	9.08	8.984	0.096	6.522	99.88	0	0	0	0.01	0.11
2003	212	23	930	366.19	-357.232	D	8.171	8.147	0.024	4.531	99.73	0	0	0	0.02	0.24
2003	213	23	907	365.051	-359.809	D	7.041	7.04	0.001	2.14	99.65	0	0	0	0.01	0.29
2003	214	23	786	365.973	-357.042	D	7.728	7.727	0.001	3.591	99.65	0	0	0	0.01	0.22
2003	215	23	1	356.546	-357.458	D	8.413	8.413	0	5.145	10.25	0	0	0	0	0.48
2003	216	23	1	356.546	-357.458	D	7.17	7.17	0	2.406	0	0	0	0	0	0
2003	217	23	1	356.546	-357.458	D	7.65	7.65	0	3.425	0	0	0	0	0	0
2003	218	23	1	356.546	-357.458	D	8.359	8.359	0	5.02	0	0	0	0	0	0
2003	219	23	1	356.546	-357.458	D	8.242	8.242	0	4.747	0	0	0	0	0	0
2003	220	23	1	356.546	-357.458	D	6.894	6.894	0	1.844	0	0	0	0	0	0
2003	221	23	1	356.546	-357.458	D	6.871	6.871	0	1.798	0	0	0	0	0	0
2003	222	23	1	356.546	-357.458	D	6.955	6.955	0	1.966	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	6.817	6.817	0	1.689	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.101	7.101	0	2.265	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.661	7.661	0	3.448	0	0	0	0	0	0
2003	226	23	1039	356.522	-357.599	D	9.184	9.004	0.18	6.572	98.88	0.08	0	0	0.04	0.99
2003	227	23	643	363.609	-354.151	D	7.103	7.102	0.001	2.267	96.05	0	0	0	0.11	3.68
2003	228	23	933	366.169	-356.524	D	6.917	6.915	0.002	1.887	97.27	0	0	0	0.07	2.7
2003	229	23	929	366.032	-357.239	D	6.789	6.789	0	1.634	93.25	0	0	0	0.08	6.18
2003	230	23	15	357.659	-360.155	D	6.789	6.789	0	1.634	10.24	0	0	0	0.01	2.18
2003	231	23	668	364.346	-359.61	D	7.021	7.021	0	2.102	38.95	0.13	0	0	2.07	51.12
2003	232	23	907	365.051	-359.809	D	7.119	7.117	0.003	2.297	96.22	0.01	0	0	0.26	3.5
2003	233	23	930	366.19	-357.232	D	6.873	6.861	0.012	1.778	97.59	0	0	0	0.21	2.19
2003	234	23	930	366.19	-357.232	D	7.082	7.058	0.024	2.177	98.55	0	0	0	0.12	1.32
2003	235	23	930	366.19	-357.232	D	7.057	7.032	0.025	2.123	98.6	0	0	0	0.09	1.3
2003	236	23	853	361.666	-362.175	D	7.9	7.857	0.043	3.879	99.23	0	0	0	0.07	0.7

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	237	23	907	365.051	-359.809	D	8.078	7.754	0.324	3.651	99.3	0.01	0	0	0.06	0.64
2003	238	23	928	365.945	-357.303	D	7.364	7.213	0.151	2.496	98.7	0	0	0	0.06	1.24
2003	239	23	933	366.169	-356.524	D	7.04	7.033	0.007	2.125	98.76	0	0	0	0.04	1.17
2003	240	23	786	365.973	-357.042	D	7.056	7.056	0	2.172	98.13	0	0	0	0.04	1.62
2003	241	23	1	356.546	-357.458	D	8.765	8.765	0	5.985	0	0	0	0	0	0
2003	242	23	219	359.98	-362.05	D	9.437	9.325	0.112	7.383	99.6	0.01	0	0	0.03	0.36
2003	243	23	822	358.021	-361.607	D	9.667	9.398	0.269	7.569	99.4	0.04	0	0	0.02	0.54
2003	244	23	1017	356.894	-355.206	D	9.056	9.054	0.002	6.695	99.42	0.01	0	0	0.06	0.42
2003	245	23	949	365.722	-354.966	D	9.666	9.651	0.015	8.234	99.79	0.01	0	0	0.01	0.18
2003	246	23	930	366.19	-357.232	D	9.367	9.148	0.219	6.933	99.75	0.02	0	0	0.01	0.22
2003	247	23	822	358.021	-361.607	D	7.728	7.727	0	3.593	99.85	0	0	0	0	0.16
2003	248	23	1	356.546	-357.458	D	6.738	6.738	0	1.533	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	250	23	836	360.07	-362.066	D	6.944	6.942	0.002	1.941	92.27	0.01	0	0	1.28	6.43
2003	251	23	822	358.021	-361.607	D	6.892	6.831	0.061	1.717	96.85	0	0	0	0.28	2.87
2003	252	23	809	357.432	-359.845	D	7.194	7.117	0.077	2.298	97.93	0	0	0	0.14	1.93
2003	253	23	949	365.722	-354.966	D	7.521	7.303	0.218	2.683	98.76	0.01	0	0	0.05	1.18
2003	254	23	949	365.722	-354.966	D	8.328	8.323	0.004	4.936	99.36	0	0	0	0.03	0.59
2003	255	23	929	366.032	-357.239	D	9.811	9.811	0	8.66	92.77	0	0	0	0.63	1.71
2003	256	23	1	356.546	-357.458	D	9.293	9.293	0	7.301	0	0	0	0	0	0
2003	257	23	1	356.546	-357.458	D	8.451	8.451	0	5.234	0	0	0	0	0	0
2003	258	23	1	356.546	-357.458	D	6.72	6.72	0	1.496	0	0	0	0	0	0
2003	259	23	930	366.19	-357.232	D	6.694	6.69	0.004	1.437	94.45	0	0	0	0.67	4.86
2003	260	23	949	365.722	-354.966	D	6.883	6.862	0.02	1.78	96.4	0.01	0	0	0.17	3.42
2003	261	23	1008	358.048	-354.775	D	6.905	6.905	0	1.866	87.67	0.01	0	0	0.62	11.39
2003	262	23	929	366.032	-357.239	D	7.622	7.622	0	3.363	99.35	0	0	0	0.81	6.06
2003	263	23	1	356.546	-357.458	D	6.593	6.593	0	1.247	0	0	0	0	0	0
2003	264	23	784	365.648	-355.309	D	6.93	6.876	0.055	1.807	94.95	0.01	0	0	0.31	4.74
2003	265	23	949	365.722	-354.966	D	9.248	9.139	0.109	6.909	99.48	0.02	0	0	0.02	0.47
2003	266	23	906	364.982	-359.812	D	6.917	6.917	0	1.89	96.29	0	0	0	0.03	1.88
2003	267	23	1	356.546	-357.458	D	6.878	6.878	0	1.812	0	0	0	0	0	0
2003	268	23	1	356.546	-357.458	D	6.728	6.728	0	1.512	0	0	0	0	0	0
2003	269	23	914	365.435	-358.584	D	6.917	6.917	0	1.889	93.84	0.01	0	0	0.16	5.19
2003	270	23	929	366.032	-357.239	D	7.533	7.533	0	3.171	89.42	0.03	0	0	0.11	11.34
2003	271	23	1	356.546	-357.458	D	6.751	6.751	0	1.558	0	0	0	0	0	0
2003	272	23	1	356.546	-357.458	D	6.538	6.538	0	1.139	0	0	0	0	0	0
2003	273	23	1	356.546	-357.458	D	6.734	6.734	0	1.525	0	0	0	0	0	0
2003	274	23	1	356.546	-357.458	D	9.063	9.063	0	6.718	0	0	0	0	0	0
2003	275	23	1	356.546	-357.458	D	6.592	6.592	0	1.246	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	276	23	853	361.666	-362.175	D	6.788	6.788	0	1.631	97.76	0	0	0	0.14	1.44
2003	277	23	907	365.051	-359.809	D	6.989	6.989	0	2.036	97.89	0	0	0	0.05	1.99
2003	278	23	1	356.546	-357.458	D	6.649	6.649	0	1.356	0	0	0	0	0	0
2003	279	23	930	366.19	-357.232	D	8.771	8.744	0.027	5.933	98.05	0.03	0	0	0.26	1.65
2003	280	23	900	364.265	-360.243	D	7.687	7.27	0.417	2.614	97.6	0.02	0	0	0.25	2.13
2003	281	23	1017	356.894	-355.206	D	7.391	7.326	0.065	2.733	97.06	0.01	0	0	0.11	2.82
2003	282	23	1008	358.048	-354.775	D	8.882	8.877	0.005	6.259	98.93	0	0	0	0.03	0.98
2003	283	23	1017	356.894	-355.206	D	9.839	9.663	0.176	8.265	96.37	0.29	0	0	0.25	3.09
2003	284	23	1017	356.894	-355.206	D	9.486	9.486	0.001	7.798	93.86	1.19	0	0	0.05	4.52
2003	285	23	907	365.051	-359.809	D	7.689	7.668	0.021	3.464	99.04	0.04	0	0	0.01	0.91
2003	286	23	853	361.666	-362.175	D	6.743	6.741	0.002	1.538	98.04	0	0	0	0.03	1.97
2003	287	23	930	366.19	-357.232	D	8.743	8.732	0.012	5.904	99.65	0.01	0	0	0	0.34
2003	288	23	1	356.546	-357.458	D	6.773	6.773	0	1.602	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	6.605	6.605	0	1.27	0	0	0	0	0	0
2003	290	23	1	356.546	-357.458	D	7.943	7.943	0	4.069	0	0	0	0	0	0
2003	291	23	142	359.137	-359.84	D	6.586	6.586	0	1.234	72.75	0	0	0	0.02	0.46
2003	292	23	1	356.546	-357.458	D	6.628	6.628	0	1.315	0	0	0	0	0	0
2003	293	23	1	356.546	-357.458	D	6.776	6.776	0	1.608	0	0	0	0	0	0
2003	294	23	1	356.546	-357.458	D	6.763	6.763	0	1.582	0	0	0	0	0	0
2003	295	23	1	356.546	-357.458	D	6.701	6.701	0	1.459	0	0	0	0	0	0
2003	296	23	1	356.546	-357.458	D	6.652	6.652	0	1.362	0	0	0	0	0	0
2003	297	23	907	365.051	-359.809	D	6.614	6.594	0.02	1.249	72.85	0.04	0	0	2.01	25.09
2003	298	23	930	366.19	-357.232	D	7.764	7.747	0.018	3.635	98.64	0.01	0	0	0.01	1.34
2003	299	23	219	359.98	-362.05	D	7.782	7.782	0.001	3.712	98.21	0.02	0	0	0	1.65
2003	300	23	1	356.546	-357.458	D	6.556	6.556	0	1.174	0	0	0	0	0	0
2003	301	23	1	356.546	-357.458	D	6.86	6.86	0	1.776	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	6.555	6.555	0	1.172	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.333	7.333	0	2.746	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	8.921	8.921	0	6.367	0	0	0	0	0	0
2003	305	23	1	356.546	-357.458	D	7.695	7.695	0	3.522	0	0	0	0	0	0
2003	306	23	1	356.546	-357.458	D	8.897	8.897	0	6.307	0	0	0	0	0	0
2003	307	23	1	356.546	-357.458	D	8.069	8.069	0	4.352	0	0	0	0	0	0
2003	308	23	1	356.546	-357.458	D	7.394	7.394	0	2.876	0	0	0	0	0	0
2003	309	23	1	356.546	-357.458	D	7.856	7.856	0	3.876	0	0	0	0	0	0
2003	310	23	1	356.546	-357.458	D	8.481	8.481	0	5.304	0	0	0	0	0	0
2003	311	23	1	356.546	-357.458	D	7.071	7.071	0	2.203	0	0	0	0	0	0
2003	312	23	1	356.546	-357.458	D	6.575	6.575	0	1.212	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	6.5	6.5	0	1.066	0	0	0	0	0	0
2003	314	23	927	365.912	-357.454	D	6.629	6.617	0.012	1.293	88.26	0.06	0	0	0.56	11.12

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	315	23	730	364.623	-354.605	D	7.225	7.225	0	2.521	81.79	0.08	0	0	0.06	18.05
2003	316	23	1	356.546	-357.458	D	8.831	8.831	0	6.146	0	0	0	0	0	0
2003	317	23	1	356.546	-357.458	D	6.511	6.511	0	1.087	0	0	0	0	0	0
2003	318	23	929	366.032	-357.239	D	7.253	7.253	0	2.58	85.11	0.22	0	0	0.06	2.21
2003	319	23	927	365.912	-357.454	D	9.45	9.446	0.004	7.695	98.49	0.09	0	0	0.11	1.33
2003	320	23	1	356.546	-357.458	D	9.803	9.803	0	8.638	0	0	0	0	0	0
2003	321	23	933	366.169	-356.524	D	9.922	9.92	0.003	8.955	93.08	1.78	0	0	0.05	5.02
2003	322	23	1	356.546	-357.458	D	9.817	9.817	0	8.676	0	0	0	0	0	0
2003	323	23	1	356.546	-357.458	D	7.47	7.47	0	3.036	0	0	0	0	0	0
2003	324	23	1	356.546	-357.458	D	6.761	6.761	0	1.579	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.385	7.385	0	2.857	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	9.413	9.413	0	7.61	0	0	0	0	0	0
2003	327	23	1	356.546	-357.458	D	8.915	8.915	0	6.352	0	0	0	0	0	0
2003	328	23	1	356.546	-357.458	D	7.277	7.277	0	2.629	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	6.534	6.534	0	1.132	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.139	7.139	0	2.342	0	0	0	0	0	0
2003	331	23	1	356.546	-357.458	D	8.565	8.565	0	5.504	0	0	0	0	0	0
2003	332	23	1	356.546	-357.458	D	6.75	6.75	0	1.556	0	0	0	0	0	0
2003	333	23	1	356.546	-357.458	D	6.508	6.508	0	1.082	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	6.569	6.569	0	1.199	0	0	0	0	0	0
2003	335	23	1	356.546	-357.458	D	6.645	6.645	0	1.349	0	0	0	0	0	0
2003	336	23	907	365.051	-359.809	D	6.511	6.505	0.006	1.075	95.84	0.01	0	0	0.44	3.71
2003	337	23	949	365.722	-354.966	D	8.557	8.549	0.008	5.465	71.27	0.36	0	0	0.63	27.75
2003	338	23	966	363.538	-354.124	D	9.634	9.316	0.319	7.358	98.61	0.23	0	0	0.02	1.14
2003	339	23	625	363.806	-358.636	D	7.767	7.767	0	3.68	88.22	0.58	0	0	0.57	9.33
2003	340	23	1	356.546	-357.458	D	8.084	8.084	0	4.388	0	0	0	0	0	0
2003	341	23	930	366.19	-357.232	D	6.661	6.658	0.004	1.374	92.35	0.08	0	0	0.58	6.95
2003	342	23	747	364.871	-354.594	D	7.201	7.201	0	2.471	92.25	0.09	0	0	0.04	7.91
2003	343	23	1	356.546	-357.458	D	9.624	9.624	0	8.161	0	0	0	0	0	0
2003	344	23	255	360.129	-359.796	D	9.057	9.057	0	6.703	0.09	14.92	0	0	0	21.76
2003	345	23	1	356.546	-357.458	D	8.216	8.216	0	4.687	0	0	0	0	0	0
2003	346	23	832	359.493	-362.061	D	7.202	7.191	0.011	2.45	98.28	0.01	0	0	0.14	1.57
2003	347	23	822	358.021	-361.607	D	9.539	9.343	0.196	7.429	98.5	0.13	0	0	0.14	1.23
2003	348	23	809	357.432	-359.845	D	10.022	9.404	**0.617**	7.587	99.4	0.08	0	0	0.02	0.5
2003	349	23	933	366.169	-356.524	D	9.444	9.359	0.085	7.47	99.42	0.07	0	0	0.01	0.51
2003	350	23	933	366.169	-356.524	D	8.685	8.685	0	5.791	99.46	0.13	0	0	0	1.3
2003	351	23	1	356.546	-357.458	D	7.958	7.958	0	4.104	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.348	7.348	0	2.779	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	8.258	8.258	0	4.785	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M2

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	354	23	1	356.546	-357.458	D	6.893	6.893	0	1.842	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	6.678	6.678	0	1.413	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	9.006	9.006	0	6.576	0	0	0	0	0	0
2003	357	23	1	356.546	-357.458	D	9.411	9.411	0	7.603	0	0	0	0	0	0
2003	358	23	1	356.546	-357.458	D	8.405	8.405	0	5.125	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	6.685	6.685	0	1.427	0	0	0	0	0	0
2003	360	23	929	366.032	-357.239	D	7.293	7.293	0	2.662	94.89	0.02	0	0	0.75	3.86
2003	361	23	947	365.801	-355.162	D	6.821	6.82	0.001	1.695	95.06	0.07	0	0	0.2	4.64
2003	362	23	1	356.546	-357.458	D	8.396	8.396	0	5.106	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.193	7.193	0	2.455	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	6.634	6.634	0	1.326	0	0	0	0	0	0
									0.617							

Appendix M
Hercules Glade
2001 M6

EGU	EGU										% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	1	23	78	358.239	-356.385	D	7.721	7.548	0.172	3.204	0	0	0	0	0	100
2001	2	23	822	358.021	-361.607	D	7.553	7.546	0.006	3.2	0	0	0	0	0	100.04
2001	3	23	1008	358.048	-354.775	D	7.557	7.546	0.011	3.2	0	0	0	0	0	100.01
2001	4	23	773	365.4	-355.32	D	7.588	7.546	0.042	3.2	0	0	0	0	0	100
2001	5	23	754	365.229	-357.075	D	7.642	7.546	0.096	3.2	0	0	0	0	0	100
2001	6	23	773	365.4	-355.32	D	7.554	7.546	0.008	3.2	0	0	0	0	0	100.01
2001	7	23	78	358.239	-356.385	D	7.575	7.546	0.029	3.2	0	0	0	0	0	100
2001	8	23	78	358.239	-356.385	D	7.718	7.546	0.172	3.2	0	0	0	0	0	100
2001	9	23	823	358.24	-361.604	D	7.557	7.546	0.011	3.2	0	0	0	0	0	100.02
2001	10	23	821	358.053	-361.416	D	7.547	7.546	0	3.2	0	0	0	0	0	100.28
2001	11	23	949	365.722	-354.966	D	7.546	7.546	0	3.2	0	0	0	0	0	100.41
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	947	365.801	-355.162	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.13
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	78	358.239	-356.385	D	7.55	7.546	0.004	3.2	0	0	0	0	0	100.05
2001	16	23	78	358.239	-356.385	D	7.6	7.546	0.053	3.2	0	0	0	0	0	100
2001	17	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.07
2001	18	23	822	358.021	-361.607	D	7.606	7.546	0.06	3.2	0	0	0	0	0	100
2001	19	23	823	358.24	-361.604	D	7.576	7.546	0.03	3.2	0	0	0	0	0	100.01
2001	20	23	78	358.239	-356.385	D	7.727	7.546	0.181	3.2	0	0	0	0	0	100
2001	21	23	956	364.717	-354.589	D	7.547	7.546	0	3.2	0	0	0	0	0	99.87
2001	22	23	927	365.912	-357.454	D	7.62	7.546	0.073	3.2	0	0	0	0	0	100
2001	23	23	785	365.637	-355.06	D	7.546	7.546	0	3.2	0	0	0	0	0	99.5
2001	24	23	714	364.799	-358.592	D	7.584	7.546	0.038	3.2	0	0	0	0	0	100
2001	25	23	822	358.021	-361.607	D	7.549	7.546	0.002	3.2	0	0	0	0	0	100.03
2001	26	23	949	365.722	-354.966	D	7.549	7.546	0.002	3.2	0	0	0	0	0	100.03
2001	27	23	714	364.799	-358.592	D	7.627	7.546	0.081	3.2	0	0	0	0	0	100
2001	28	23	933	366.169	-356.524	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.12
2001	29	23	1017	356.894	-355.206	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.08
2001	30	23	775	365.747	-357.551	D	7.546	7.546	0	3.2	0	0	0	0	0	92.51
2001	31	23	982	361.822	-354.666	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.09
2001	32	23	927	365.912	-357.454	D	7.412	7.411	0	2.913	0	0	0	0	0	100.15
2001	33	23	78	358.239	-356.385	D	7.578	7.406	0.172	2.9	0	0	0	0	0	100
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	100.36
2001	35	23	949	365.722	-354.966	D	7.414	7.406	0.009	2.9	0	0	0	0	0	100.02
2001	36	23	927	365.912	-357.454	D	7.443	7.406	0.037	2.9	0	0	0	0	0	100.01
2001	37	23	955	364.92	-354.582	D	7.419	7.406	0.013	2.9	0	0	0	0	0	100
2001	38	23	832	359.493	-362.061	D	7.408	7.406	0.002	2.9	0	0	0	0	0	100.08

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	78	358.239	-356.385	D	7.408	7.406	0.002	2.9	0	0	0	0	0	100.16
2001	41	23	78	358.239	-356.385	D	7.46	7.406	0.055	2.9	0	0	0	0	0	100
2001	42	23	949	365.722	-354.966	D	7.412	7.406	0.007	2.9	0	0	0	0	0	100.05
2001	43	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	0	0	0	0	0	100.08
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1017	356.894	-355.206	D	7.407	7.406	0.001	2.9	0	0	0	0	0	100.11
2001	46	23	1039	356.522	-357.599	D	7.494	7.406	0.088	2.9	0	0	0	0	0	100
2001	47	23	846	360.93	-362.178	D	7.442	7.406	0.036	2.9	0	0	0	0	0	100.01
2001	48	23	822	358.021	-361.607	D	7.406	7.406	0	2.9	0	0	0	0	0	100.27
2001	49	23	822	358.021	-361.607	D	7.422	7.406	0.016	2.9	0	0	0	0	0	100.02
2001	50	23	931	366.183	-356.996	D	7.407	7.406	0.001	2.9	0	0	0	0	0	100.04
2001	51	23	1017	356.894	-355.206	D	7.412	7.406	0.006	2.9	0	0	0	0	0	100.03
2001	52	23	907	365.051	-359.809	D	7.451	7.406	0.045	2.9	0	0	0	0	0	100.01
2001	53	23	927	365.912	-357.454	D	7.49	7.406	0.084	2.9	0	0	0	0	0	100
2001	54	23	1039	356.522	-357.599	D	7.436	7.406	0.031	2.9	0	0	0	0	0	100.01
2001	55	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	0	0	0	0	0	99.94
2001	56	23	949	365.722	-354.966	D	7.408	7.406	0.002	2.9	0	0	0	0	0	100.08
2001	57	23	1017	356.894	-355.206	D	7.418	7.406	0.012	2.9	0	0	0	0	0	100.02
2001	58	23	930	366.19	-357.232	D	7.412	7.406	0.006	2.9	0	0	0	0	0	100.02
2001	59	23	1017	356.894	-355.206	D	7.451	7.406	0.045	2.9	0	0	0	0	0	100.01
2001	60	23	1017	356.894	-355.206	D	7.322	7.315	0.008	2.708	0	0	0	0	0	100.01
2001	61	23	927	365.912	-357.454	D	7.394	7.311	0.084	2.7	0	0	0	0	0	100
2001	62	23	986	360.908	-354.689	D	7.374	7.311	0.063	2.7	0	0	0	0	0	100
2001	63	23	822	358.021	-361.607	D	7.355	7.311	0.045	2.7	0	0	0	0	0	100
2001	64	23	823	358.24	-361.604	D	7.421	7.311	0.111	2.7	0	0	0	0	0	100
2001	65	23	78	358.239	-356.385	D	7.363	7.311	0.053	2.7	0	0	0	0	0	100
2001	66	23	1017	356.894	-355.206	D	7.347	7.311	0.036	2.7	0	0	0	0	0	100
2001	67	23	824	358.459	-361.601	D	7.357	7.311	0.046	2.7	0	0	0	0	0	100
2001	68	23	822	358.021	-361.607	D	7.32	7.311	0.009	2.7	0	0	0	0	0	100.01
2001	69	23	1008	358.048	-354.775	D	7.326	7.311	0.015	2.7	0	0	0	0	0	100.01
2001	70	23	947	365.801	-355.162	D	7.311	7.311	0.001	2.7	0	0	0	0	0	100
2001	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	97.44
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	861	361.895	-361.506	D	7.346	7.311	0.036	2.7	0	0	0	0	0	100
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	119.96
2001	75	23	949	365.722	-354.966	D	7.334	7.311	0.023	2.7	0	0	0	0	0	100.01
2001	76	23	869	361.064	-360.714	D	7.421	7.311	0.11	2.7	0	0	0	0	0	100
2001	77	23	949	365.722	-354.966	D	7.317	7.311	0.007	2.7	0	0	0	0	0	100.03

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	78	23	1017	356.894	-355.206	D	7.324	7.311	0.013	2.7	0	0	0	0	0	100.02
2001	79	23	1005	358.679	-354.752	D	7.333	7.311	0.023	2.7	0	0	0	0	0	100.01
2001	80	23	1039	356.522	-357.599	D	7.311	7.311	0	2.7	0	0	0	0	0	100.26
2001	81	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	0	0	0	0	0	100.25
2001	82	23	907	365.051	-359.809	D	7.314	7.311	0.004	2.7	0	0	0	0	0	100.04
2001	83	23	930	366.19	-357.232	D	7.321	7.311	0.011	2.7	0	0	0	0	0	100.01
2001	84	23	822	358.021	-361.607	D	7.321	7.311	0.01	2.7	0	0	0	0	0	100.01
2001	85	23	822	358.021	-361.607	D	7.312	7.311	0.002	2.7	0	0	0	0	0	100.03
2001	86	23	822	358.021	-361.607	D	7.323	7.311	0.012	2.7	0	0	0	0	0	100.02
2001	87	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	0	0	0	0	0	100.14
2001	88	23	14	357.202	-355.432	D	7.311	7.311	0	2.7	0	0	0	0	0	89.21
2001	89	23	1017	356.894	-355.206	D	7.315	7.311	0.004	2.7	0	0	0	0	0	100.02
2001	90	23	966	363.538	-354.124	D	7.357	7.311	0.046	2.7	0	0	0	0	0	100.01
2001	91	23	102	358.487	-356.374	D	7.372	7.311	0.061	2.7	0	0	0	0	0	100
2001	92	23	595	363.624	-360.142	D	7.311	7.311	0	2.7	0	0	0	0	0	94.34
2001	93	23	569	362.875	-354.433	D	7.311	7.311	0	2.7	0	0	0	0	0	114.9
2001	94	23	948	365.727	-355.056	D	7.314	7.311	0.003	2.7	0	0	0	0	0	100.03
2001	95	23	62	357.925	-354.901	D	7.311	7.311	0	2.7	0	0	0	0	0	99.77
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	78	358.239	-356.385	D	7.356	7.311	0.045	2.7	0	0	0	0	0	100
2001	104	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	0	0	0	0	0	99.9
2001	105	23	1002	359.309	-354.73	D	7.346	7.311	0.035	2.7	0	0	0	0	0	100
2001	106	23	1041	356.936	-357.592	D	7.346	7.311	0.035	2.7	0	0	0	0	0	100
2001	107	23	78	358.239	-356.385	D	7.356	7.311	0.045	2.7	0	0	0	0	0	100
2001	108	23	78	358.239	-356.385	D	7.348	7.311	0.038	2.7	0	0	0	0	0	100
2001	109	23	933	366.169	-356.524	D	7.311	7.311	0	2.7	0	0	0	0	0	99.81
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	0	0	0	0	0	100.72
2001	114	23	927	365.912	-357.454	D	7.35	7.311	0.039	2.7	0	0	0	0	0	100
2001	115	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	0	0	0	0	0	100.08
2001	116	23	1037	356.5	-357.195	D	7.32	7.311	0.009	2.7	0	0	0	0	0	100

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	955	364.92	-354.582	D	7.313	7.311	0.002	2.7	0	0	0	0	0	100.02
2001	119	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	0	0	0	0	0	100.77
2001	120	23	941	365.977	-355.774	D	7.311	7.311	0	2.7	0	0	0	0	0	96.27
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	955	364.92	-354.582	D	7.64	7.593	0.047	3.3	0	0	0	0	0	100
2001	128	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.08
2001	129	23	964	363.678	-354.148	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.01
2001	130	23	710	364.843	-359.589	D	7.593	7.593	0	3.3	0	0	0	0	0	100.71
2001	131	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	0	0	0	0	0	96.9
2001	132	23	714	364.799	-358.592	D	7.652	7.593	0.059	3.3	0	0	0	0	0	100
2001	133	23	1008	358.048	-354.775	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.01
2001	134	23	773	365.4	-355.32	D	7.593	7.593	0	3.3	0	0	0	0	0	99.78
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1007	358.259	-354.768	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.05
2001	139	23	764	365.499	-357.562	D	7.716	7.593	0.124	3.3	0	0	0	0	0	100
2001	140	23	1039	356.522	-357.599	D	7.597	7.593	0.005	3.3	0	0	0	0	0	100.01
2001	141	23	990	360.933	-355.487	D	7.625	7.593	0.032	3.3	0	0	0	0	0	100
2001	142	23	927	365.912	-357.454	D	7.602	7.593	0.009	3.3	0	0	0	0	0	100.01
2001	143	23	714	364.799	-358.592	D	7.612	7.593	0.019	3.3	0	0	0	0	0	100.01
2001	144	23	78	358.239	-356.385	D	7.644	7.593	0.052	3.3	0	0	0	0	0	100
2001	145	23	861	361.895	-361.506	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100
2001	146	23	2	356.535	-357.209	D	7.593	7.593	0	3.3	0	0	0	0	0	100.06
2001	147	23	961	364.092	-354.289	D	7.593	7.593	0	3.3	0	0	0	0	0	99.55
2001	148	23	714	364.799	-358.592	D	7.625	7.593	0.033	3.3	0	0	0	0	0	100.01
2001	149	23	191	359.732	-362.061	D	7.595	7.593	0.002	3.3	0	0	0	0	0	99.99
2001	150	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	99.95
2001	151	23	1008	358.048	-354.775	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.01
2001	152	23	927	365.912	-357.454	D	7.663	7.593	0.07	3.3	0	0	0	0	0	100
2001	153	23	78	358.239	-356.385	D	7.638	7.593	0.046	3.3	0	0	0	0	0	100
2001	154	23	1039	356.522	-357.599	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2001	155	23	405	361.161	-355.008	D	7.593	7.593	0	3.3	0	0	0	0	0	70.36

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.96
2001	159	23	931	366.183	-356.996	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.06
2001	160	23	907	365.051	-359.809	D	7.608	7.593	0.016	3.3	0	0	0	0	0	100
2001	161	23	643	363.609	-354.151	D	7.603	7.593	0.011	3.3	0	0	0	0	0	100.01
2001	162	23	906	364.982	-359.812	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.19
2001	163	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	100.35
2001	164	23	618	363.371	-354.411	D	7.593	7.593	0	3.3	0	0	0	0	0	99.64
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	967	363.478	-354.116	D	7.647	7.593	0.054	3.3	0	0	0	0	0	100
2001	167	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	0	0	0	0	0	100.03
2001	168	23	519	362.902	-360.673	D	7.593	7.593	0	3.3	0	0	0	0	0	99.74
2001	169	23	929	366.032	-357.239	D	7.593	7.593	0.001	3.3	0	0	0	0	0	99.97
2001	170	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	60.53
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	1017	356.894	-355.206	D	7.604	7.593	0.012	3.3	0	0	0	0	0	100.02
2001	173	23	78	358.239	-356.385	D	7.663	7.593	0.07	3.3	0	0	0	0	0	100
2001	174	23	949	365.722	-354.966	D	7.615	7.593	0.023	3.3	0	0	0	0	0	100
2001	175	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	0	0	0	0	0	100.01
2001	176	23	907	365.051	-359.809	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.98
2001	177	23	380	361.468	-361.984	D	7.598	7.593	0.005	3.3	0	0	0	0	0	99.99
2001	178	23	1009	357.941	-354.82	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100
2001	179	23	643	363.609	-354.151	D	7.594	7.593	0.002	3.3	0	0	0	0	0	99.97
2001	180	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	100.28
2001	181	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	112.16
2001	182	23	1017	356.894	-355.206	D	7.606	7.593	0.013	3.3	0	0	0	0	0	100
2001	183	23	949	365.722	-354.966	D	7.6	7.593	0.007	3.3	0	0	0	0	0	100
2001	184	23	947	365.801	-355.162	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100.03
2001	185	23	728	364.645	-355.104	D	7.593	7.593	0	3.3	0	0	0	0	0	98.94
2001	186	23	1008	358.048	-354.775	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100.02
2001	187	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	0	0	0	0	0	100.05
2001	188	23	931	366.183	-356.996	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.94
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.609	7.593	0.017	3.3	0	0	0	0	0	100
2001	192	23	1041	356.936	-357.592	D	7.611	7.593	0.019	3.3	0	0	0	0	0	100
2001	193	23	933	366.169	-356.524	D	7.598	7.593	0.005	3.3	0	0	0	0	0	100.01
2001	194	23	933	366.169	-356.524	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.99

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	195	23	967	363.478	-354.116	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.02
2001	196	23	961	364.092	-354.289	D	7.6	7.593	0.007	3.3	0	0	0	0	0	99.99
2001	197	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	99.04
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	475	361.905	-354.975	D	7.593	7.593	0	3.3	0	0	0	0	0	105.92
2001	202	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.03
2001	203	23	933	366.169	-356.524	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100
2001	204	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.06
2001	205	23	1008	358.048	-354.775	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.06
2001	206	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.01
2001	207	23	965	363.588	-354.142	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.03
2001	208	23	966	363.538	-354.124	D	7.603	7.593	0.011	3.3	0	0	0	0	0	100
2001	209	23	964	363.678	-354.148	D	7.607	7.593	0.014	3.3	0	0	0	0	0	100
2001	210	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	0	0	0	0	0	100.12
2001	211	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.98
2001	212	23	947	365.801	-355.162	D	7.595	7.593	0.002	3.3	0	0	0	0	0	99.99
2001	213	23	785	365.637	-355.06	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.03
2001	214	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	0	0	0	0	0	99.33
2001	215	23	1017	356.894	-355.206	D	7.603	7.593	0.011	3.3	0	0	0	0	0	100
2001	216	23	1039	356.522	-357.599	D	7.663	7.593	0.07	3.3	0	0	0	0	0	100
2001	217	23	1008	358.048	-354.775	D	7.611	7.593	0.018	3.3	0	0	0	0	0	100
2001	218	23	1035	356.477	-356.792	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.17
2001	219	23	907	365.051	-359.809	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100.01
2001	220	23	961	364.092	-354.289	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2001	221	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100
2001	222	23	822	358.021	-361.607	D	7.609	7.593	0.016	3.3	0	0	0	0	0	100.01
2001	223	23	822	358.021	-361.607	D	7.613	7.593	0.021	3.3	0	0	0	0	0	100
2001	224	23	822	358.021	-361.607	D	7.611	7.593	0.019	3.3	0	0	0	0	0	100.01
2001	225	23	930	366.19	-357.232	D	7.607	7.593	0.014	3.3	0	0	0	0	0	100.01
2001	226	23	731	365.047	-358.581	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100.01
2001	227	23	853	361.666	-362.175	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.03
2001	228	23	1037	356.5	-357.195	D	7.612	7.593	0.02	3.3	0	0	0	0	0	100.01
2001	229	23	949	365.722	-354.966	D	7.598	7.593	0.006	3.3	0	0	0	0	0	100.05
2001	230	23	907	365.051	-359.809	D	7.593	7.593	0.001	3.3	0	0	0	0	0	99.92
2001	231	23	823	358.24	-361.604	D	7.613	7.593	0.02	3.3	0	0	0	0	0	100
2001	232	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.98
2001	233	23	933	366.169	-356.524	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.14

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	0	0	0	0	0	48.95
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	102	358.487	-356.374	D	7.615	7.593	0.023	3.3	0	0	0	0	0	100.01
2001	239	23	823	358.24	-361.604	D	7.607	7.593	0.014	3.3	0	0	0	0	0	100.01
2001	240	23	955	364.92	-354.582	D	7.635	7.593	0.043	3.3	0	0	0	0	0	100
2001	241	23	964	363.678	-354.148	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100
2001	242	23	1008	358.048	-354.775	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.02
2001	243	23	1017	356.894	-355.206	D	7.607	7.593	0.015	3.3	0	0	0	0	0	100
2001	244	23	927	365.912	-357.454	D	7.661	7.637	0.024	3.396	0	0	0	0	0	100
2001	245	23	1039	356.522	-357.599	D	7.649	7.639	0.01	3.4	0	0	0	0	0	100
2001	246	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.02
2001	247	23	1017	356.894	-355.206	D	7.676	7.639	0.037	3.4	0	0	0	0	0	100
2001	248	23	822	358.021	-361.607	D	7.65	7.639	0.012	3.4	0	0	0	0	0	100
2001	249	23	643	363.609	-354.151	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.08
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	986	360.908	-354.689	D	7.669	7.639	0.03	3.4	0	0	0	0	0	100
2001	253	23	811	357.434	-360.225	D	7.664	7.639	0.025	3.4	0	0	0	0	0	100.01
2001	254	23	955	364.92	-354.582	D	7.643	7.639	0.004	3.4	0	0	0	0	0	100.02
2001	255	23	822	358.021	-361.607	D	7.639	7.639	0	3.4	0	0	0	0	0	99.93
2001	256	23	949	365.722	-354.966	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100
2001	257	23	78	358.239	-356.385	D	7.675	7.639	0.037	3.4	0	0	0	0	0	100
2001	258	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	0	0	0	0	0	99.97
2001	259	23	1017	356.894	-355.206	D	7.639	7.639	0	3.4	0	0	0	0	0	100.37
2001	260	23	710	364.843	-359.589	D	7.639	7.639	0	3.4	0	0	0	0	0	100.26
2001	261	23	27	357.451	-355.421	D	7.639	7.639	0	3.4	0	0	0	0	0	100.64
2001	262	23	602	363.547	-358.397	D	7.767	7.639	0.128	3.4	0	0	0	0	0	100
2001	263	23	949	365.722	-354.966	D	7.647	7.639	0.008	3.4	0	0	0	0	0	100.01
2001	264	23	1039	356.522	-357.599	D	7.656	7.639	0.017	3.4	0	0	0	0	0	100
2001	265	23	941	365.977	-355.774	D	7.639	7.639	0	3.4	0	0	0	0	0	99.85
2001	266	23	949	365.722	-354.966	D	7.643	7.639	0.005	3.4	0	0	0	0	0	100.01
2001	267	23	329	360.972	-362.006	D	7.639	7.639	0	3.4	0	0	0	0	0	100.2
2001	268	23	907	365.051	-359.809	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.07
2001	269	23	822	358.021	-361.607	D	7.639	7.639	0	3.4	0	0	0	0	0	99.97
2001	270	23	949	365.722	-354.966	D	7.655	7.639	0.016	3.4	0	0	0	0	0	100
2001	271	23	102	358.487	-356.374	D	7.67	7.639	0.031	3.4	0	0	0	0	0	100
2001	272	23	853	361.666	-362.175	D	7.644	7.639	0.005	3.4	0	0	0	0	0	100.04

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	273	23	1017	356.894	-355.206	D	7.647	7.639	0.008	3.4	0	0	0	0	0	99.99
2001	274	23	927	365.912	-357.454	D	7.582	7.505	0.076	3.112	0	0	0	0	0	100
2001	275	23	907	365.051	-359.809	D	7.508	7.5	0.009	3.1	0	0	0	0	0	100.02
2001	276	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	0	0	0	0	0	100.07
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	1039	356.522	-357.599	D	7.51	7.5	0.01	3.1	0	0	0	0	0	100.01
2001	279	23	927	365.912	-357.454	D	7.616	7.5	0.117	3.1	0	0	0	0	0	100
2001	280	23	1037	356.5	-357.195	D	7.516	7.5	0.017	3.1	0	0	0	0	0	100.01
2001	281	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	0	0	0	0	0	100.04
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.502	7.5	0.003	3.1	0	0	0	0	0	100.07
2001	285	23	78	358.239	-356.385	D	7.538	7.5	0.038	3.1	0	0	0	0	0	100
2001	286	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	0	0	0	0	0	100.16
2001	287	23	927	365.912	-357.454	D	7.507	7.5	0.007	3.1	0	0	0	0	0	100.03
2001	288	23	927	365.912	-357.454	D	7.517	7.5	0.017	3.1	0	0	0	0	0	100.01
2001	289	23	773	365.4	-355.32	D	7.598	7.5	0.098	3.1	0	0	0	0	0	100
2001	290	23	78	358.239	-356.385	D	7.533	7.5	0.033	3.1	0	0	0	0	0	100.01
2001	291	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	0	0	0	0	0	99.85
2001	292	23	955	364.92	-354.582	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.04
2001	293	23	62	357.925	-354.901	D	7.5	7.5	0	3.1	0	0	0	0	0	103.15
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	811	357.434	-360.225	D	7.514	7.5	0.015	3.1	0	0	0	0	0	100.01
2001	298	23	861	361.895	-361.506	D	7.504	7.5	0.005	3.1	0	0	0	0	0	100.05
2001	299	23	537	362.693	-355.939	D	7.563	7.5	0.063	3.1	0	0	0	0	0	100
2001	300	23	78	358.239	-356.385	D	7.527	7.5	0.028	3.1	0	0	0	0	0	100
2001	301	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.13
2001	302	23	947	365.801	-355.162	D	7.5	7.5	0.001	3.1	0	0	0	0	0	100.08
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1017	356.894	-355.206	D	7.507	7.5	0.007	3.1	0	0	0	0	0	100.03
2001	307	23	951	365.325	-354.979	D	7.507	7.5	0.007	3.1	0	0	0	0	0	100
2001	308	23	1017	356.894	-355.206	D	7.547	7.5	0.048	3.1	0	0	0	0	0	100
2001	309	23	822	358.021	-361.607	D	7.547	7.5	0.047	3.1	0	0	0	0	0	100
2001	310	23	1017	356.894	-355.206	D	7.515	7.5	0.015	3.1	0	0	0	0	0	100.01
2001	311	23	949	365.722	-354.966	D	7.506	7.5	0.007	3.1	0	0	0	0	0	100.03

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	312	23	949	365.722	-354.966	D	7.508	7.5	0.008	3.1	0	0	0	0	0	100.03
2001	313	23	1017	356.894	-355.206	D	7.504	7.5	0.005	3.1	0	0	0	0	0	100.02
2001	314	23	930	366.19	-357.232	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.05
2001	315	23	869	361.064	-360.714	D	7.575	7.5	0.076	3.1	0	0	0	0	0	100
2001	316	23	78	358.239	-356.385	D	7.504	7.5	0.004	3.1	0	0	0	0	0	100.02
2001	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	85.92
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	967	363.478	-354.116	D	7.53	7.5	0.031	3.1	0	0	0	0	0	100.01
2001	321	23	1017	356.894	-355.206	D	7.519	7.5	0.02	3.1	0	0	0	0	0	100.01
2001	322	23	932	366.176	-356.761	D	7.501	7.5	0.001	3.1	0	0	0	0	0	100.09
2001	323	23	966	363.538	-354.124	D	7.506	7.5	0.007	3.1	0	0	0	0	0	100.02
2001	324	23	869	361.064	-360.714	D	7.603	7.5	0.103	3.1	0	0	0	0	0	100
2001	325	23	933	366.169	-356.524	D	7.503	7.5	0.004	3.1	0	0	0	0	0	100.03
2001	326	23	644	364.12	-360.12	D	7.5	7.5	0	3.1	0	0	0	0	0	65.25
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	966	363.538	-354.124	D	7.505	7.5	0.006	3.1	0	0	0	0	0	100.01
2001	332	23	78	358.239	-356.385	D	7.527	7.5	0.028	3.1	0	0	0	0	0	100
2001	333	23	930	366.19	-357.232	D	7.516	7.5	0.017	3.1	0	0	0	0	0	100.01
2001	334	23	955	364.92	-354.582	D	7.521	7.5	0.022	3.1	0	0	0	0	0	100.01
2001	335	23	927	365.912	-357.454	D	7.611	7.589	0.023	3.292	0	0	0	0	0	100
2001	336	23	949	365.722	-354.966	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.01
2001	337	23	640	363.641	-354.898	D	7.593	7.593	0	3.3	0	0	0	0	0	97.92
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	907	365.051	-359.809	D	7.621	7.593	0.029	3.3	0	0	0	0	0	100
2001	341	23	731	365.047	-358.581	D	7.643	7.593	0.05	3.3	0	0	0	0	0	100
2001	342	23	1041	356.936	-357.592	D	7.648	7.593	0.056	3.3	0	0	0	0	0	100
2001	343	23	822	358.021	-361.607	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100
2001	344	23	1036	356.488	-356.993	D	7.597	7.593	0.004	3.3	0	0	0	0	0	100.01
2001	345	23	932	366.176	-356.761	D	7.595	7.593	0.002	3.3	0	0	0	0	0	99.99
2001	346	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	91.03
2001	347	23	811	357.434	-360.225	D	7.628	7.593	0.036	3.3	0	0	0	0	0	100
2001	348	23	102	358.487	-356.374	D	7.691	7.593	0.098	3.3	0	0	0	0	0	100
2001	349	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	0	0	0	0	0	99.99
2001	350	23	773	365.4	-355.32	D	7.593	7.593	0	3.3	0	0	0	0	0	99.49

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	351	23	811	357.434	-360.225	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100.01
2001	352	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.08
2001	353	23	8	357.031	-357.187	D	7.684	7.593	0.091	3.3	0	0	0	0	0	100
2001	354	23	78	358.239	-356.385	D	7.68	7.593	0.087	3.3	0	0	0	0	0	100
2001	355	23	927	365.912	-357.454	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100.02
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	927	365.912	-357.454	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.03
2001	358	23	986	360.908	-354.689	D	7.659	7.593	0.066	3.3	0	0	0	0	0	100
2001	359	23	78	358.239	-356.385	D	7.692	7.593	0.099	3.3	0	0	0	0	0	100
2001	360	23	78	358.239	-356.385	D	7.668	7.593	0.076	3.3	0	0	0	0	0	100
2001	361	23	949	365.722	-354.966	D	7.601	7.593	0.009	3.3	0	0	0	0	0	100
2001	362	23	773	365.4	-355.32	D	7.593	7.593	0.001	3.3	0	0	0	0	0	99.92
2001	363	23	78	358.239	-356.385	D	7.631	7.593	0.038	3.3	0	0	0	0	0	100
2001	364	23	78	358.239	-356.385	D	7.71	7.593	0.118	3.3	0	0	0	0	0	100
2001	365	23	78	358.239	-356.385	D	7.956	7.593	0.363	3.3	0	0	0	0	0	100
									0.363							
EXIDE	**EXIDE**										**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	788	365.951	-356.544	D	7.548	7.548	0	3.204	83.37	10.11	0	0	0	2.43
2001	2	23	949	365.722	-354.966	D	7.553	7.546	0.007	3.2	90.84	7.14	0	0	0	2.04
2001	3	23	947	365.801	-355.162	D	7.548	7.546	0.001	3.2	93.51	5.21	0	0	0	1.41
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	808	357.43	-359.686	D	7.549	7.546	0.003	3.2	80.8	13.91	0	0	0	5.3
2001	8	23	949	365.722	-354.966	D	7.556	7.546	0.01	3.2	85.88	9.98	0	0	0	4.17
2001	9	23	822	358.021	-361.607	D	7.553	7.546	0.006	3.2	94.42	4.21	0	0	0	1.4
2001	10	23	822	358.021	-361.607	D	7.551	7.546	0.005	3.2	96.22	2.91	0	0	0	0.92
2001	11	23	1008	358.048	-354.775	D	7.548	7.546	0.001	3.2	96.77	2.55	0	0	0	0.83
2001	12	23	406	361.15	-354.758	D	7.546	7.546	0	3.2	88.57	2.76	0	0	0	0.7
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	966	363.538	-354.124	D	7.547	7.546	0.001	3.2	85.77	9.99	0	0	0	4.31
2001	17	23	822	358.021	-361.607	D	7.548	7.546	0.001	3.2	86.6	10.12	0	0	0	3.32
2001	18	23	1017	356.894	-355.206	D	7.547	7.546	0.001	3.2	91.92	5.57	0	0	0	2.75
2001	19	23	811	357.434	-360.225	D	7.548	7.546	0.002	3.2	87.45	8.93	0	0	0	3.68
2001	20	23	811	357.434	-360.225	D	7.548	7.546	0.002	3.2	85.98	10.51	0	0	0	3.59

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	21	23	930	366.19	-357.232	D	7.547	7.546	0	3.2	88.43	9.49	0	0	0	2.33
2001	22	23	948	365.727	-355.056	D	7.547	7.546	0	3.2	90.59	6.85	0	0	0	2.76
2001	23	23	569	362.875	-354.433	D	7.546	7.546	0	3.2	82.03	3.64	0	0	0	1.71
2001	24	23	642	363.62	-354.4	D	7.547	7.546	0.001	3.2	90.21	7.3	0	0	0	2.55
2001	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	27	23	1037	356.5	-357.195	D	7.546	7.546	0	3.2	68.89	23.39	0	0	0	8.06
2001	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	91.75	8.6	0	0	0	1.25
2001	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	113.55	4.8	0	0	0	0.65
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	103.41	4.06	0	0	0	0.4
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	949	365.722	-354.966	D	7.407	7.406	0.001	2.9	79.75	15.08	0	0	0	5.4
2001	34	23	747	364.871	-354.594	D	7.406	7.406	0	2.9	78.1	13.84	0	0	0	3.48
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	62	357.925	-354.901	D	7.406	7.406	0	2.9	90.98	4.35	0	0	0	5.15
2001	38	23	973	362.512	-354.246	D	7.406	7.406	0	2.9	91.21	5.72	0	0	0	3.06
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	833	359.603	-362.066	D	7.411	7.406	0.006	2.9	94.06	4.57	0	0	0	1.4
2001	41	23	822	358.021	-361.607	D	7.407	7.406	0.001	2.9	84.26	10.91	0	0	0	4.96
2001	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	46	23	1035	356.477	-356.792	D	7.414	7.406	0.008	2.9	95.65	3.09	0	0	0	1.29
2001	47	23	1035	356.477	-356.792	D	7.408	7.406	0.003	2.9	88.1	9.09	0	0	0	2.88
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	106.36	5.15	0	0	0	2.1
2001	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	98.76	5.06	0	0	0	1.27
2001	51	23	14	357.202	-355.432	D	7.406	7.406	0	2.9	95.96	1.36	0	0	0	2.26
2001	52	23	2	356.535	-357.209	D	7.406	7.406	0	2.9	96.72	3.19	0	0	0	1.14
2001	53	23	15	357.659	-360.155	D	7.406	7.406	0	2.9	99	3.48	0	0	0	0.96
2001	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	98.09	1.88	0	0	0	1.83
2001	58	23	907	365.051	-359.809	D	7.406	7.406	0	2.9	96.55	2.86	0	0	0	1.08
2001	59	23	1039	356.522	-357.599	D	7.406	7.406	0	2.9	97.66	3.01	0	0	0	0.54

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	99.77	1.98	0	0	0	0.5
2001	61	23	404	361.172	-355.257	D	7.311	7.311	0	2.7	96.48	1.43	0	0	0	0.4
2001	62	23	10	356.954	-355.443	D	7.311	7.311	0	2.7	104.33	2.19	0	0	0	2.38
2001	63	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	95.78	2.75	0	0	0	1.48
2001	64	23	1035	356.477	-356.792	D	7.312	7.311	0.001	2.7	88.41	6.87	0	0	0	4.86
2001	65	23	811	357.434	-360.225	D	7.313	7.311	0.002	2.7	90.52	6.19	0	0	0	3.28
2001	66	23	1035	356.477	-356.792	D	7.311	7.311	0	2.7	95.8	1.72	0	0	0	2.63
2001	67	23	747	364.871	-354.594	D	7.314	7.311	0.004	2.7	94.03	3.6	0	0	0	2.42
2001	68	23	822	358.021	-361.607	D	7.312	7.311	0.001	2.7	88.69	6.77	0	0	0	4.51
2001	69	23	6	356.772	-356.948	D	7.311	7.311	0	2.7	94.67	4.08	0	0	0	2.61
2001	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	129	2.14	0	0	0	2.24
2001	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	133.86	1.57	0	0	0	1.32
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	158.81	4.96	0	0	0	0.48
2001	75	23	886	362.864	-360.485	D	7.312	7.311	0.001	2.7	87.73	7.68	0	0	0	4.71
2001	76	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	88.65	7.22	0	0	0	4.04
2001	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	98.82	1.97	0	0	0	0.93
2001	88	23	10	356.954	-355.443	D	7.311	7.311	0.001	2.7	98.21	1.25	0	0	0	0.71
2001	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	99.41	0.67	0	0	0	0.62
2001	90	23	949	365.722	-354.966	D	7.311	7.311	0.001	2.7	97.21	1.29	0	0	0	1.89
2001	91	23	822	358.021	-361.607	D	7.311	7.311	0.001	2.7	92.1	4.28	0	0	0	3.77
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	1017	356.894	-355.206	D	7.311	7.311	0.001	2.7	97.42	0.39	0	0	0	2.4
2001	106	23	961	364.092	-354.289	D	7.314	7.311	0.003	2.7	96.72	0.87	0	0	0	2.4
2001	107	23	929	366.032	-357.239	D	7.311	7.311	0.001	2.7	89.49	5.98	0	0	0	4.4
2001	108	23	1016	357.1	-355.198	D	7.311	7.311	0.001	2.7	97.83	0.65	0	0	0	1.76
2001	109	23	966	363.538	-354.124	D	7.311	7.311	0.001	2.7	98.22	0.7	0	0	0	1.04
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	172	359.363	-359.331	D	7.311	7.311	0	2.7	92.03	2.46	0	0	0	5.7
2001	115	23	1	356.546	-357.458	D	7.312	7.311	0.001	2.7	96.62	1.06	0	0	0	2.3
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	97.33	0.29	0	0	0	2.43
2001	128	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	97.76	0.31	0	0	0	1.97
2001	129	23	785	365.637	-355.06	D	7.595	7.593	0.002	3.3	98.76	0.14	0	0	0	1.13
2001	130	23	786	365.973	-357.042	D	7.593	7.593	0	3.3	99.96	0.07	0	0	0	0.72
2001	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	70.35	0.01	0	0	0	0.39
2001	132	23	3	356.524	-356.959	D	7.594	7.593	0.002	3.3	96.87	2.02	0	0	0	1.13
2001	133	23	1	356.546	-357.458	D	7.593	7.593	0.001	3.3	99.04	0.04	0	0	0	0.83
2001	134	23	746	364.882	-354.843	D	7.593	7.593	0	3.3	99.47	0.05	0	0	0	0.62
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	140	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	141	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	96.37	1.47	0	0	0	3.76
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	98.62	0.03	0	0	0	1.47
2001	149	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	98.71	0.14	0	0	0	1.17
2001	150	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	99.77	0.17	0	0	0	0.87
2001	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	152	23	1	356.546	-357.458	D	7.594	7.593	0.001	3.3	97.39	1.01	0	0	0	1.52
2001	153	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	95.49	0.99	0	0	0	3.64
2001	154	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	98.31	0.54	0	0	0	1.22
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	73.02	0.61	0	0	0	0.4
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	643	363.609	-354.151	D	7.594	7.593	0.002	3.3	99.22	0.06	0	0	0	0.68
2001	159	23	1008	358.048	-354.775	D	7.602	7.593	0.01	3.3	99.24	0.1	0	0	0	0.66
2001	160	23	1017	356.894	-355.206	D	7.6	7.593	0.007	3.3	99.24	0.08	0	0	0	0.69
2001	161	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	99.39	0.03	0	0	0	0.59
2001	162	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.64	0.01	0	0	0	0.45
2001	163	23	541	362.649	-354.942	D	7.593	7.593	0	3.3	99.84	0.01	0	0	0	0.4
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	16.9	0	0	0	0	0.07
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	98.94	0.01	0	0	0	1.01
2001	169	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.6	0.02	0	0	0	0.78
2001	170	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	98.67	0.1	0	0	0	0.66
2001	173	23	1038	356.511	-357.396	D	7.593	7.593	0.001	3.3	97.64	0.06	0	0	0	2.31
2001	174	23	822	358.021	-361.607	D	7.595	7.593	0.002	3.3	98.25	0.05	0	0	0	1.74
2001	175	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	98.86	0.05	0	0	0	1.17
2001	176	23	832	359.493	-362.061	D	7.595	7.593	0.003	3.3	99.18	0.06	0	0	0	0.78

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	177	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	99.3	0.04	0	0	0	0.67
2001	178	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	99.46	0.03	0	0	0	0.59
2001	179	23	62	357.925	-354.901	D	7.593	7.593	0	3.3	99.44	0.07	0	0	0	0.55
2001	180	23	62	357.925	-354.901	D	7.593	7.593	0	3.3	99.81	0.02	0	0	0	0.51
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	98.5	0.01	0	0	0	1.15
2001	183	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	98.71	0.33	0	0	0	0.96
2001	184	23	406	361.15	-354.758	D	7.593	7.593	0	3.3	98.34	0.02	0	0	0	0.84
2001	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.8	0	0	0	0	0.71
2001	188	23	136	359.203	-361.335	D	7.593	7.593	0	3.3	99.46	0.01	0	0	0	0.61
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	99.1	0.11	0	0	0	0.82
2001	192	23	191	359.732	-362.061	D	7.594	7.593	0.001	3.3	99.34	0.03	0	0	0	0.7
2001	193	23	191	359.732	-362.061	D	7.593	7.593	0	3.3	99.31	0.02	0	0	0	0.59
2001	194	23	905	364.788	-359.816	D	7.593	7.593	0	3.3	99.43	0.29	0	0	0	0.55
2001	195	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	207	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	104.31	0.21	0	0	0	1.01
2001	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	210	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	97.95	0.01	0	0	0	1.03
2001	211	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	100.99	0.02	0	0	0	0.83
2001	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	214	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	98.84	0.05	0	0	0	1.1
2001	223	23	853	361.666	-362.175	D	7.599	7.593	0.007	3.3	98.86	0.41	0	0	0	0.75
2001	224	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	99.76	0.1	0	0	0	0.58
2001	225	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	99.04	0.31	0	0	0	0.52
2001	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	39.14	0.01	0	0	0	0.23
2001	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	228	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	97.88	1.23	0	0	0	0.99
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	301	360.724	-362.017	D	7.593	7.593	0	3.3	98.95	0.05	0	0	0	0.82
2001	231	23	948	365.727	-355.056	D	7.594	7.593	0.001	3.3	96.09	0.77	0	0	0	3.13
2001	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	853	361.666	-362.175	D	7.596	7.593	0.004	3.3	97.67	1	0	0	0	1.35
2001	239	23	852	361.595	-362.148	D	7.593	7.593	0.001	3.3	99.08	0.03	0	0	0	1.02
2001	240	23	1011	357.717	-354.92	D	7.593	7.593	0.001	3.3	99.13	0.03	0	0	0	0.91
2001	241	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	99.23	0.04	0	0	0	0.83
2001	242	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	99.3	0.12	0	0	0	0.61
2001	243	23	974	362.281	-354.249	D	7.593	7.593	0	3.3	99.24	0.06	0	0	0	0.85
2001	244	23	62	357.925	-354.901	D	7.639	7.637	0.002	3.396	99.16	0.14	0	0	0	0.75
2001	245	23	1008	358.048	-354.775	D	7.643	7.639	0.004	3.4	99.2	0.18	0	0	0	0.61
2001	246	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.35	0.02	0	0	0	0.58
2001	247	23	1008	358.048	-354.775	D	7.641	7.639	0.002	3.4	99.15	0.02	0	0	0	0.87
2001	248	23	1017	356.894	-355.206	D	7.642	7.639	0.003	3.4	99.17	0.05	0	0	0	0.81
2001	249	23	3	356.524	-356.959	D	7.639	7.639	0	3.4	98.89	0.02	0	0	0	0.47
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	967	363.478	-354.116	D	7.643	7.639	0.004	3.4	97.01	0.21	0	0	0	2.78
2001	253	23	930	366.19	-357.232	D	7.643	7.639	0.004	3.4	97.89	0.3	0	0	0	1.87
2001	254	23	1035	356.477	-356.792	D	7.64	7.639	0.001	3.4	98.64	0.1	0	0	0	1.34

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	255	23	1005	358.679	-354.752	D	7.639	7.639	0	3.4	99.14	0.13	0	0	0	0.97
2001	256	23	962	363.961	-354.255	D	7.639	7.639	0	3.4	98.96	0.07	0	0	0	0.82
2001	257	23	15	357.659	-360.155	D	7.639	7.639	0	3.4	99.73	0.07	0	0	0	0.73
2001	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	101.02	0.03	0	0	0	0.65
2001	259	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	93.64	0.1	0	0	0	0.63
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	262	23	15	357.659	-360.155	D	7.64	7.639	0.001	3.4	97.33	0.25	0	0	0	2.42
2001	263	23	822	358.021	-361.607	D	7.639	7.639	0	3.4	98.59	0.03	0	0	0	1.1
2001	264	23	1007	358.259	-354.768	D	7.641	7.639	0.002	3.4	98.68	0.13	0	0	0	1.18
2001	265	23	1035	356.477	-356.792	D	7.64	7.639	0.001	3.4	98.28	0.32	0	0	0	1.47
2001	266	23	1035	356.477	-356.792	D	7.64	7.639	0.002	3.4	98.01	0.66	0	0	0	1.38
2001	267	23	853	361.666	-362.175	D	7.639	7.639	0	3.4	97.74	1.46	0	0	0	1.12
2001	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	270	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	271	23	1006	358.469	-354.76	D	7.639	7.639	0	3.4	98.81	0.27	0	0	0	0.95
2001	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	86.41	0.06	0	0	0	0.85
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	98.05	1.39	0	0	0	0.84
2001	279	23	947	365.801	-355.162	D	7.5	7.5	0	3.1	95.68	1.26	0	0	0	2.88
2001	280	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	97.52	0.9	0	0	0	1.76
2001	281	23	61	357.936	-355.15	D	7.5	7.5	0	3.1	98.46	0.38	0	0	0	1.18
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	103.33	0.48	0	0	0	1.73
2001	285	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	97.29	1.59	0	0	0	1.2
2001	286	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	97.72	0.94	0	0	0	1.43
2001	287	23	907	365.051	-359.809	D	7.501	7.5	0.002	3.1	97.38	1.57	0	0	0	1.1
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	1037	356.5	-357.195	D	7.503	7.5	0.003	3.1	94.92	3.66	0	0	0	1.41
2001	290	23	1036	356.488	-356.993	D	7.501	7.5	0.002	3.1	93.52	3.48	0	0	0	3
2001	291	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	98.08	1.2	0	0	0	0.96
2001	292	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	95.56	1.81	0	0	0	3.98
2001	293	23	1011	357.717	-354.92	D	7.5	7.5	0	3.1	97.68	0.9	0	0	0	1.78

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	103	358.476	-356.124	D	7.5	7.5	0.001	3.1	95.03	2.05	0	0	0	3.04
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	88.33	7.84	0	0	0	3.83
2001	301	23	3	356.524	-356.959	D	7.5	7.5	0	3.1	98.64	0.64	0	0	0	1.02
2001	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	100.25	0.2	0	0	0	0.48
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	955	364.92	-354.582	D	7.502	7.5	0.002	3.1	96.78	2.08	0	0	0	1.24
2001	308	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	98.74	0.33	0	0	0	1
2001	309	23	949	365.722	-354.966	D	7.509	7.5	0.01	3.1	96.24	2.08	0	0	0	1.7
2001	310	23	1017	356.894	-355.206	D	7.506	7.5	0.007	3.1	97.96	0.83	0	0	0	1.23
2001	311	23	851	361.512	-362.072	D	7.502	7.5	0.003	3.1	98.77	0.28	0	0	0	0.98
2001	312	23	932	366.176	-356.761	D	7.501	7.5	0.001	3.1	98	0.4	0	0	0	1.74
2001	313	23	136	359.203	-361.335	D	7.5	7.5	0	3.1	97.08	0.1	0	0	0	0.79
2001	314	23	219	359.98	-362.05	D	7.5	7.5	0.001	3.1	95.56	2.4	0	0	0	2.09
2001	315	23	949	365.722	-354.966	D	7.5	7.5	0.001	3.1	94.76	1.85	0	0	0	3.58
2001	316	23	1	356.546	-357.458	D	7.5	7.5	0.001	3.1	96.44	1.28	0	0	0	2.49
2001	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	99.29	0.79	0	0	0	1.37
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	192	359.721	-361.812	D	7.5	7.5	0	3.1	65.99	22.89	0	0	0	10.97
2001	324	23	608	363.481	-356.902	D	7.502	7.5	0.002	3.1	81.77	11.9	0	0	0	6.4
2001	325	23	907	365.051	-359.809	D	7.5	7.5	0.001	3.1	94.19	3.85	0	0	0	2.17
2001	326	23	747	364.871	-354.594	D	7.5	7.5	0	3.1	97.6	1.66	0	0	0	0.88
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	906	364.982	-359.812	D	7.501	7.5	0.002	3.1	86.29	10.58	0	0	0	3.22

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	333	23	109	358.954	-361.346	D	7.5	7.5	0	3.1	87.62	3.61	0	0	0	0.51
2001	334	23	434	361.954	-361.713	D	7.5	7.5	0	3.1	87.66	9.3	0	0	0	3.23
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	95.24	2.95	0	0	0	1.62
2001	342	23	1039	356.522	-357.599	D	7.594	7.593	0.001	3.3	93.45	4.69	0	0	0	1.94
2001	343	23	1039	356.522	-357.599	D	7.593	7.593	0	3.3	88.12	7.34	0	0	0	4.78
2001	344	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	93.08	4.49	0	0	0	1.81
2001	345	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	95.56	3.33	0	0	0	1.28
2001	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	13.03	0.24	0	0	0	0.1
2001	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	94.22	4.46	0	0	0	1.43
2001	348	23	822	358.021	-361.607	D	7.603	7.593	0.01	3.3	94.65	4.03	0	0	0	1.32
2001	349	23	947	365.801	-355.162	D	7.601	7.593	0.008	3.3	96.84	2.34	0	0	0	0.82
2001	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	351	23	833	359.603	-362.066	D	7.6	7.593	0.007	3.3	91.22	6.13	0	0	0	2.63
2001	352	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	89.31	7.24	0	0	0	3.31
2001	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	88.91	8.9	0	0	0	2.26
2001	354	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	84.69	11.5	0	0	0	3.9
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	80.82	14.58	0	0	0	4.68
2001	359	23	158	358.961	-355.853	D	7.595	7.593	0.003	3.3	77.9	16.16	0	0	0	5.9
2001	360	23	1	356.546	-357.458	D	7.594	7.593	0.001	3.3	70.25	21.82	0	0	0	7.95
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	811	357.434	-360.225	D	7.594	7.593	0.001	3.3	82.35	13.32	0	0	0	4.38
2001	364	23	926	365.787	-357.56	D	7.597	7.593	0.004	3.3	78.9	15.45	0	0	0	5.69
2001	365	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	80.04	15.75	0	0	0	4.47
									0.01							
TRIGEN	**TRIGEN KC**										**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	947	365.801	-355.162	D	7.555	7.548	0.007	3.204	86.22	13.13	0	0	0	0.66

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	2	23	955	364.92	-354.582	D	7.592	7.546	0.046	3.2	94.9	4.92	0	0	0	0.19
2001	3	23	947	365.801	-355.162	D	7.559	7.546	0.013	3.2	96.66	3.23	0	0	0	0.12
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	823	358.24	-361.604	D	7.553	7.546	0.006	3.2	85.45	13.88	0	0	0	0.69
2001	8	23	773	365.4	-355.32	D	7.576	7.546	0.03	3.2	87.68	11.63	0	0	0	0.69
2001	9	23	822	358.021	-361.607	D	7.579	7.546	0.033	3.2	97.08	2.81	0	0	0	0.12
2001	10	23	822	358.021	-361.607	D	7.574	7.546	0.028	3.2	97.21	2.71	0	0	0	0.09
2001	11	23	966	363.538	-354.124	D	7.55	7.546	0.004	3.2	98.25	1.73	0	0	0	0.06
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	823	358.24	-361.604	D	7.558	7.546	0.012	3.2	86.9	12.48	0	0	0	0.63
2001	17	23	822	358.021	-361.607	D	7.546	7.546	0	3.2	91	9.05	0	0	0	0.3
2001	18	23	1017	356.894	-355.206	D	7.551	7.546	0.005	3.2	96.4	3.39	0	0	0	0.23
2001	19	23	907	365.051	-359.809	D	7.552	7.546	0.005	3.2	93.53	6.18	0	0	0	0.3
2001	20	23	845	360.851	-362.181	D	7.552	7.546	0.006	3.2	83.79	15.52	0	0	0	0.72
2001	21	23	941	365.977	-355.774	D	7.546	7.546	0	3.2	88.12	11.63	0	0	0	0.33
2001	22	23	949	365.722	-354.966	D	7.546	7.546	0	3.2	89.75	10.65	0	0	0	0.47
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	1017	356.894	-355.206	D	7.553	7.546	0.007	3.2	95.24	4.58	0	0	0	0.23
2001	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	27	23	1035	356.477	-356.792	D	7.548	7.546	0.002	3.2	80.92	17.98	0	0	0	1.22
2001	28	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	91.09	9.1	0	0	0	0.19
2001	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	949	365.722	-354.966	D	7.415	7.406	0.009	2.9	83.54	15.51	0	0	0	0.97
2001	34	23	932	366.176	-356.761	D	7.406	7.406	0	2.9	89.6	10.01	0	0	0	0.37
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	966	363.538	-354.124	D	7.406	7.406	0.001	2.9	97.14	2.56	0	0	0	0.57
2001	38	23	967	363.478	-354.116	D	7.407	7.406	0.002	2.9	94.11	5.61	0	0	0	0.37
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	967	363.478	-354.116	D	7.418	7.406	0.012	2.9	95.31	4.52	0	0	0	0.19

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	41	23	1039	356.522	-357.599	D	7.408	7.406	0.003	2.9	85.35	13.52	0	0	0	1.17
2001	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1017	356.894	-355.206	D	7.406	7.406	0	2.9	98.17	2.7	0	0	0	0.1
2001	46	23	822	358.021	-361.607	D	7.513	7.406	0.107	2.9	97.92	1.97	0	0	0	0.11
2001	47	23	1039	356.522	-357.599	D	7.456	7.406	0.051	2.9	94.97	4.85	0	0	0	0.18
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	1017	356.894	-355.206	D	7.406	7.406	0	2.9	95.95	4.43	0	0	0	0.24
2001	50	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	96.08	4.24	0	0	0	0.15
2001	51	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	99.57	0.86	0	0	0	0.22
2001	52	23	1017	356.894	-355.206	D	7.408	7.406	0.002	2.9	97.87	2.16	0	0	0	0.11
2001	53	23	1017	356.894	-355.206	D	7.406	7.406	0.001	2.9	97.01	3.08	0	0	0	0.19
2001	54	23	1008	358.048	-354.775	D	7.407	7.406	0.001	2.9	94.73	5.2	0	0	0	0.24
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	949	365.722	-354.966	D	7.407	7.406	0.002	2.9	96.42	3.37	0	0	0	0.31
2001	58	23	1017	356.894	-355.206	D	7.408	7.406	0.002	2.9	97.68	2.29	0	0	0	0.14
2001	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	98.35	2.26	0	0	0	0.07
2001	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	99.37	1.4	0	0	0	0.06
2001	61	23	747	364.871	-354.594	D	7.311	7.311	0	2.7	98.59	1.05	0	0	0	0.05
2001	62	23	1007	358.259	-354.768	D	7.311	7.311	0	2.7	97.09	2.53	0	0	0	0.31
2001	63	23	1017	356.894	-355.206	D	7.328	7.311	0.018	2.7	97.41	2.43	0	0	0	0.16
2001	64	23	1035	356.477	-356.792	D	7.318	7.311	0.007	2.7	94.8	4.75	0	0	0	0.48
2001	65	23	444	361.767	-357.477	D	7.32	7.311	0.01	2.7	94.35	5.25	0	0	0	0.39
2001	66	23	1017	356.894	-355.206	D	7.32	7.311	0.009	2.7	97.97	1.73	0	0	0	0.32
2001	67	23	949	365.722	-354.966	D	7.349	7.311	0.038	2.7	95.37	4.24	0	0	0	0.39
2001	68	23	914	365.435	-358.584	D	7.32	7.311	0.009	2.7	94.86	4.7	0	0	0	0.44
2001	69	23	3	356.524	-356.959	D	7.311	7.311	0	2.7	100.26	1.79	0	0	0	0.24
2001	70	23	618	363.371	-354.411	D	7.311	7.311	0	2.7	98.99	1.74	0	0	0	0.16
2001	71	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	98.44	1	0	0	0	0.09
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	75	23	947	365.801	-355.162	D	7.314	7.311	0.003	2.7	94.21	5.17	0	0	0	0.67
2001	76	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	90.04	8.96	0	0	0	1.02
2001	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	99.66	1.33	0	0	0	0.13

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	80	23	1035	356.477	-356.792	D	7.311	7.311	0.001	2.7	98.98	1.02	0	0	0	0.16
2001	81	23	1017	356.894	-355.206	D	7.315	7.311	0.005	2.7	98.98	0.93	0	0	0	0.13
2001	82	23	949	365.722	-354.966	D	7.314	7.311	0.004	2.7	99.07	0.87	0	0	0	0.11
2001	83	23	929	366.032	-357.239	D	7.314	7.311	0.003	2.7	99.22	0.73	0	0	0	0.06
2001	84	23	907	365.051	-359.809	D	7.311	7.311	0	2.7	98.43	0.24	0	0	0	0.03
2001	85	23	822	358.021	-361.607	D	7.311	7.311	0	2.7	94.19	5.36	0	0	0	0.46
2001	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	87	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	98.08	1.93	0	0	0	0.1
2001	88	23	1006	358.469	-354.76	D	7.311	7.311	0.001	2.7	98.91	1.18	0	0	0	0.08
2001	89	23	10	356.954	-355.443	D	7.311	7.311	0.001	2.7	99.52	0.71	0	0	0	0.07
2001	90	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	98.33	1.47	0	0	0	0.36
2001	91	23	900	364.265	-360.243	D	7.315	7.311	0.004	2.7	95.38	3.9	0	0	0	0.72
2001	92	23	544	363.15	-360.662	D	7.311	7.311	0	2.7	66.43	0.23	0	0	0	0.08
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	964	363.678	-354.148	D	7.339	7.311	0.028	2.7	99.17	0.6	0	0	0	0.24
2001	106	23	972	362.744	-354.242	D	7.318	7.311	0.008	2.7	98.31	1.24	0	0	0	0.45
2001	107	23	845	360.851	-362.181	D	7.312	7.311	0.001	2.7	88.11	10.6	0	0	0	1.27
2001	108	23	1017	356.894	-355.206	D	7.316	7.311	0.005	2.7	99.04	0.81	0	0	0	0.18
2001	109	23	930	366.19	-357.232	D	7.314	7.311	0.003	2.7	99.47	0.42	0	0	0	0.1
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1038	356.511	-357.396	D	7.313	7.311	0.002	2.7	97.1	2.23	0	0	0	0.71
2001	115	23	1017	356.894	-355.206	D	7.315	7.311	0.005	2.7	98.87	0.95	0	0	0	0.18
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	72.69	0.07	0	0	0	0.06
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	822	358.021	-361.607	D	7.601	7.593	0.009	3.3	99.58	0.2	0	0	0	0.22
2001	128	23	1017	356.894	-355.206	D	7.598	7.593	0.006	3.3	99.57	0.25	0	0	0	0.2
2001	129	23	966	363.538	-354.124	D	7.602	7.593	0.01	3.3	99.79	0.1	0	0	0	0.1
2001	130	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	100.03	0.05	0	0	0	0.06
2001	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	74.29	0.01	0	0	0	0.04
2001	132	23	933	366.169	-356.524	D	7.599	7.593	0.007	3.3	98.51	1.38	0	0	0	0.11
2001	133	23	1036	356.488	-356.993	D	7.595	7.593	0.002	3.3	99.87	0.01	0	0	0	0.07
2001	134	23	964	363.678	-354.148	D	7.596	7.593	0.003	3.3	99.92	0.03	0	0	0	0.05
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1039	356.522	-357.599	D	7.595	7.593	0.002	3.3	99.66	0.28	0	0	0	0.07
2001	139	23	832	359.493	-362.061	D	7.604	7.593	0.011	3.3	99.71	0.24	0	0	0	0.05
2001	140	23	1038	356.511	-357.396	D	7.599	7.593	0.007	3.3	99.69	0.24	0	0	0	0.07
2001	141	23	949	365.722	-354.966	D	7.595	7.593	0.002	3.3	98.98	0.78	0	0	0	0.29
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.87	0.02	0	0	0	0.11
2001	149	23	785	365.637	-355.06	D	7.612	7.593	0.019	3.3	99.85	0.07	0	0	0	0.08
2001	150	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.87	0.11	0	0	0	0.06
2001	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	98.95	0.26	0	0	0	0.04
2001	152	23	773	365.4	-355.32	D	7.597	7.593	0.004	3.3	95.59	3.83	0	0	0	0.63
2001	153	23	822	358.021	-361.607	D	7.597	7.593	0.004	3.3	98.95	0.7	0	0	0	0.39
2001	154	23	949	365.722	-354.966	D	7.6	7.593	0.007	3.3	99.48	0.4	0	0	0	0.12
2001	155	23	518	362.39	-354.704	D	7.593	7.593	0	3.3	92.69	0.6	0	0	0	0.05
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	51.2	0.04	0	0	0	0.02
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	158	23	966	363.538	-354.124	D	7.608	7.593	0.016	3.3	99.82	0.12	0	0	0	0.06
2001	159	23	1017	356.894	-355.206	D	7.653	7.593	0.06	3.3	99.86	0.09	0	0	0	0.05
2001	160	23	822	358.021	-361.607	D	7.608	7.593	0.016	3.3	99.94	0.02	0	0	0	0.05
2001	161	23	1017	356.894	-355.206	D	7.614	7.593	0.021	3.3	99.93	0.03	0	0	0	0.05
2001	162	23	949	365.722	-354.966	D	7.597	7.593	0.005	3.3	99.99	0.01	0	0	0	0.04
2001	163	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	100.24	0.01	0	0	0	0.03
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	852	361.595	-362.148	D	7.595	7.593	0.002	3.3	99.95	0.01	0	0	0	0.09
2001	169	23	907	365.051	-359.809	D	7.599	7.593	0.006	3.3	99.94	0.01	0	0	0	0.07
2001	170	23	955	364.92	-354.582	D	7.594	7.593	0.002	3.3	99.94	0.01	0	0	0	0.05
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	1035	356.477	-356.792	D	7.638	7.593	0.045	3.3	99.71	0.18	0	0	0	0.11
2001	173	23	1039	356.522	-357.599	D	7.608	7.593	0.015	3.3	99.76	0.05	0	0	0	0.19
2001	174	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	99.73	0.1	0	0	0	0.2
2001	175	23	852	361.595	-362.148	D	7.593	7.593	0	3.3	99.72	0.03	0	0	0	0.11
2001	176	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.92	0.03	0	0	0	0.07
2001	177	23	1017	356.894	-355.206	D	7.594	7.593	0.002	3.3	99.99	0.04	0	0	0	0.06
2001	178	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	100.14	0.03	0	0	0	0.05
2001	179	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	101.34	0.01	0	0	0	0.05
2001	180	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1007	358.259	-354.768	D	7.594	7.593	0.002	3.3	99.85	0.01	0	0	0	0.08
2001	183	23	1017	356.894	-355.206	D	7.602	7.593	0.009	3.3	99.82	0.13	0	0	0	0.06
2001	184	23	643	363.609	-354.151	D	7.593	7.593	0.001	3.3	99.99	0.01	0	0	0	0.05
2001	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	186	23	963	363.809	-354.192	D	7.598	7.593	0.006	3.3	99.91	0.01	0	0	0	0.09
2001	187	23	907	365.051	-359.809	D	7.611	7.593	0.019	3.3	99.93	0.01	0	0	0	0.07
2001	188	23	930	366.19	-357.232	D	7.597	7.593	0.004	3.3	99.94	0.01	0	0	0	0.05
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.635	7.593	0.042	3.3	99.76	0.15	0	0	0	0.09
2001	192	23	822	358.021	-361.607	D	7.611	7.593	0.018	3.3	99.9	0.01	0	0	0	0.09
2001	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	194	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	195	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	207	23	643	363.609	-354.151	D	7.594	7.593	0.001	3.3	99.88	0.03	0	0	0	0.06
2001	208	23	643	363.609	-354.151	D	7.595	7.593	0.002	3.3	99.83	0.11	0	0	0	0.04
2001	209	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	99.85	0.09	0	0	0	0.04
2001	210	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	99.77	0.05	0	0	0	0.04
2001	211	23	949	365.722	-354.966	D	7.6	7.593	0.007	3.3	99.87	0.08	0	0	0	0.06
2001	212	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	99.97	0.01	0	0	0	0.05
2001	213	23	955	364.92	-354.582	D	7.593	7.593	0	3.3	99.87	0	0	0	0	0.04
2001	214	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	216	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.83	0.13	0	0	0	0.07
2001	217	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	99.46	0.02	0	0	0	0.06
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	73.62	0.01	0	0	0	0.04
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.84	0.06	0	0	0	0.12
2001	223	23	853	361.666	-362.175	D	7.607	7.593	0.015	3.3	99.51	0.41	0	0	0	0.07
2001	224	23	907	365.051	-359.809	D	7.593	7.593	0.001	3.3	100.07	0.08	0	0	0	0.05
2001	225	23	907	365.051	-359.809	D	7.595	7.593	0.002	3.3	99.75	0.24	0	0	0	0.04
2001	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	72.06	0.01	0	0	0	0.03
2001	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	228	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	99.61	0.29	0	0	0	0.17
2001	229	23	301	360.724	-362.017	D	7.593	7.593	0	3.3	96.66	0.01	0	0	0	0.09
2001	230	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	100.24	0.03	0	0	0	0.08
2001	231	23	1038	356.511	-357.396	D	7.593	7.593	0.001	3.3	98.11	1.15	0	0	0	0.75
2001	232	23	1017	356.894	-355.206	D	7.605	7.593	0.012	3.3	99.79	0.09	0	0	0	0.13
2001	233	23	643	363.609	-354.151	D	7.594	7.593	0.001	3.3	100	0.02	0	0	0	0.07
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	853	361.666	-362.175	D	7.6	7.593	0.008	3.3	98.24	1.56	0	0	0	0.22
2001	239	23	853	361.666	-362.175	D	7.594	7.593	0.001	3.3	99.72	0.1	0	0	0	0.1
2001	240	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.93	0.03	0	0	0	0.07
2001	241	23	963	363.809	-354.192	D	7.605	7.593	0.012	3.3	99.88	0.04	0	0	0	0.08
2001	242	23	955	364.92	-354.582	D	7.6	7.593	0.007	3.3	99.84	0.13	0	0	0	0.05
2001	243	23	966	363.538	-354.124	D	7.594	7.593	0.001	3.3	99.94	0.07	0	0	0	0.08
2001	244	23	1017	356.894	-355.206	D	7.656	7.637	0.019	3.396	99.73	0.2	0	0	0	0.08
2001	245	23	1017	356.894	-355.206	D	7.652	7.639	0.013	3.4	99.86	0.1	0	0	0	0.05
2001	246	23	1017	356.894	-355.206	D	7.644	7.639	0.005	3.4	99.96	0.02	0	0	0	0.05
2001	247	23	1008	358.048	-354.775	D	7.649	7.639	0.01	3.4	99.92	0.02	0	0	0	0.07
2001	248	23	1017	356.894	-355.206	D	7.652	7.639	0.013	3.4	99.89	0.06	0	0	0	0.06
2001	249	23	62	357.925	-354.901	D	7.64	7.639	0.001	3.4	99.91	0.01	0	0	0	0.04
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	853	361.666	-362.175	D	7.659	7.639	0.021	3.4	99.62	0.18	0	0	0	0.21
2001	253	23	930	366.19	-357.232	D	7.659	7.639	0.02	3.4	98.9	0.8	0	0	0	0.3
2001	254	23	1039	356.522	-357.599	D	7.64	7.639	0.001	3.4	99.8	0.1	0	0	0	0.16
2001	255	23	84	358.173	-354.889	D	7.64	7.639	0.001	3.4	99.73	0.07	0	0	0	0.09
2001	256	23	643	363.609	-354.151	D	7.642	7.639	0.003	3.4	99.89	0.07	0	0	0	0.08
2001	257	23	1007	358.259	-354.768	D	7.645	7.639	0.006	3.4	99.82	0.12	0	0	0	0.07
2001	258	23	10	356.954	-355.443	D	7.639	7.639	0.001	3.4	100.15	0.03	0	0	0	0.05
2001	259	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	100.99	0.14	0	0	0	0.05
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	261	23	3	356.524	-356.959	D	7.639	7.639	0	3.4	92.73	0.93	0	0	0	0.07
2001	262	23	1017	356.894	-355.206	D	7.687	7.639	0.048	3.4	97.95	1.86	0	0	0	0.18
2001	263	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	99.56	0.32	0	0	0	0.18
2001	264	23	967	363.478	-354.116	D	7.644	7.639	0.005	3.4	99.79	0.04	0	0	0	0.15
2001	265	23	853	361.666	-362.175	D	7.64	7.639	0.001	3.4	99.75	0.06	0	0	0	0.13
2001	266	23	822	358.021	-361.607	D	7.648	7.639	0.009	3.4	99.54	0.35	0	0	0	0.11
2001	267	23	852	361.595	-362.148	D	7.639	7.639	0	3.4	99.58	0.41	0	0	0	0.07
2001	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	270	23	967	363.478	-354.116	D	7.641	7.639	0.003	3.4	99.7	0.16	0	0	0	0.11
2001	271	23	966	363.538	-354.124	D	7.673	7.639	0.034	3.4	99.74	0.16	0	0	0	0.1
2001	272	23	822	358.021	-361.607	D	7.642	7.639	0.003	3.4	99.85	0.06	0	0	0	0.08
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	62	357.925	-354.901	D	7.505	7.505	0	3.112	100.66	0.14	0	0	0	0.11

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	275	23	949	365.722	-354.966	D	7.5	7.5	0	3.1	99.69	0.2	0	0	0	0.07
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	1006	358.469	-354.76	D	7.502	7.5	0.002	3.1	98.83	1.13	0	0	0	0.07
2001	279	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	96.05	3.59	0	0	0	0.48
2001	280	23	933	366.169	-356.524	D	7.504	7.5	0.005	3.1	98.82	1.03	0	0	0	0.19
2001	281	23	961	364.092	-354.289	D	7.5	7.5	0.001	3.1	99.41	0.45	0	0	0	0.12
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	100.08	0.33	0	0	0	0.15
2001	285	23	1017	356.894	-355.206	D	7.508	7.5	0.009	3.1	98.53	1.38	0	0	0	0.11
2001	286	23	1017	356.894	-355.206	D	7.513	7.5	0.013	3.1	99.45	0.47	0	0	0	0.09
2001	287	23	930	366.19	-357.232	D	7.514	7.5	0.014	3.1	98.93	1.01	0	0	0	0.07
2001	288	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	94.61	5.3	0	0	0	0.17
2001	289	23	948	365.727	-355.056	D	7.508	7.5	0.008	3.1	95.11	4.63	0	0	0	0.25
2001	290	23	822	358.021	-361.607	D	7.508	7.5	0.009	3.1	95.85	3.75	0	0	0	0.41
2001	291	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	99.29	0.6	0	0	0	0.13
2001	292	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	96.65	3.02	0	0	0	0.45
2001	293	23	1010	357.824	-354.865	D	7.501	7.5	0.002	3.1	98.85	1.16	0	0	0	0.16
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	402	361.194	-355.755	D	7.503	7.5	0.003	3.1	97.67	2.05	0	0	0	0.31
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	949	365.722	-354.966	D	7.501	7.5	0.002	3.1	91.5	7.65	0	0	0	0.84
2001	301	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	100.32	0.44	0	0	0	0.15
2001	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	132.66	0.25	0	0	0	0.1
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	941	365.977	-355.774	D	7.503	7.5	0.003	3.1	97.74	2.19	0	0	0	0.11
2001	308	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	99.41	0.66	0	0	0	0.09
2001	309	23	1017	356.894	-355.206	D	7.584	7.5	0.085	3.1	97.81	2.07	0	0	0	0.13
2001	310	23	1035	356.477	-356.792	D	7.552	7.5	0.052	3.1	99.37	0.55	0	0	0	0.09
2001	311	23	930	366.19	-357.232	D	7.528	7.5	0.029	3.1	99.62	0.31	0	0	0	0.08
2001	312	23	933	366.169	-356.524	D	7.507	7.5	0.008	3.1	99.62	0.26	0	0	0	0.15
2001	313	23	710	364.843	-359.589	D	7.5	7.5	0	3.1	99.83	0.07	0	0	0	0.06

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	314	23	832	359.493	-362.061	D	7.505	7.5	0.005	3.1	96.82	2.93	0	0	0	0.25
2001	315	23	967	363.478	-354.116	D	7.511	7.5	0.012	3.1	98.01	1.65	0	0	0	0.35
2001	316	23	1039	356.522	-357.599	D	7.503	7.5	0.003	3.1	99.2	0.64	0	0	0	0.21
2001	317	23	1035	356.477	-356.792	D	7.501	7.5	0.002	3.1	99.38	0.62	0	0	0	0.12
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	97.9	0.13	0	0	0	0.1
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	930	366.19	-357.232	D	7.502	7.5	0.002	3.1	78.75	20.42	0	0	0	0.9
2001	324	23	1017	356.894	-355.206	D	7.512	7.5	0.013	3.1	87.85	11.34	0	0	0	0.83
2001	325	23	907	365.051	-359.809	D	7.504	7.5	0.005	3.1	95.92	3.81	0	0	0	0.28
2001	326	23	931	366.183	-356.996	D	7.5	7.5	0.001	3.1	98.41	1.51	0	0	0	0.12
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	906	364.982	-359.812	D	7.502	7.5	0.003	3.1	83.81	15.46	0	0	0	0.75
2001	333	23	407	361.716	-361.973	D	7.5	7.5	0	3.1	97.61	2.6	0	0	0	0.05
2001	334	23	907	365.051	-359.809	D	7.502	7.5	0.002	3.1	94.02	5.76	0	0	0	0.27
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	95.72	4.13	0	0	0	0.22
2001	342	23	1039	356.522	-357.599	D	7.602	7.593	0.009	3.3	96.79	3.08	0	0	0	0.14
2001	343	23	1038	356.511	-357.396	D	7.593	7.593	0	3.3	89.42	9.79	0	0	0	0.64
2001	344	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	95.36	4.49	0	0	0	0.22
2001	345	23	1035	356.477	-356.792	D	7.594	7.593	0.001	3.3	96.82	3.06	0	0	0	0.15
2001	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	31.51	0.49	0	0	0	0.03
2001	347	23	1039	356.522	-357.599	D	7.782	7.593	0.189	3.3	95.03	4.77	0	0	0	0.2
2001	348	23	832	359.493	-362.061	D	7.672	7.593	0.08	3.3	96.83	3.06	0	0	0	0.11
2001	349	23	947	365.801	-355.162	D	7.606	7.593	0.013	3.3	98.52	1.42	0	0	0	0.07
2001	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	351	23	1017	356.894	-355.206	D	7.619	7.593	0.026	3.3	95.98	3.84	0	0	0	0.18
2001	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	353	23	1	356.546	-357.458	D	7.595	7.593	0.002	3.3	93.69	6.06	0	0	0	0.25
2001	354	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	90.91	8.71	0	0	0	0.53
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	83.46	1.69	0	0	0	0.1
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	949	365.722	-354.966	D	7.595	7.593	0.002	3.3	88.34	10.98	0	0	0	0.71
2001	359	23	516	362.412	-355.202	D	7.604	7.593	0.011	3.3	84.87	14.28	0	0	0	0.85
2001	360	23	824	358.459	-361.601	D	7.602	7.593	0.01	3.3	80.34	18.78	0	0	0	0.9
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	1039	356.522	-357.599	D	7.598	7.593	0.005	3.3	90.87	8.76	0	0	0	0.4
2001	364	23	949	365.722	-354.966	D	7.61	7.593	0.018	3.3	86.39	13	0	0	0	0.62
2001	365	23	933	366.169	-356.524	D	7.601	7.593	0.008	3.3	87.53	11.94	0	0	0	0.54
									0.189							
UMC	**UMC**										**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2001	2	23	930	366.19	-357.232	D	7.551	7.546	0.005	3.2	88.88	11.14	0	0	0	0.03
2001	3	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	90.61	9.31	0	0	0	0.02
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	9	23	933	366.169	-356.524	D	7.584	7.546	0.038	3.2	80.54	19.41	0	0	0	0.05
2001	10	23	941	365.977	-355.774	D	7.575	7.546	0.028	3.2	84.74	15.24	0	0	0	0.03
2001	11	23	1017	356.894	-355.206	D	7.553	7.546	0.006	3.2	90.29	9.72	0	0	0	0.02
2001	12	23	747	364.871	-354.594	D	7.546	7.546	0	3.2	92.63	7.63	0	0	0	0.01
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	17	23	78	358.239	-356.385	D	7.843	7.546	0.297	3.2	80.93	19.01	0	0	0	0.06
2001	18	23	1017	356.894	-355.206	D	7.728	7.546	0.182	3.2	87.44	12.53	0	0	0	0.03
2001	19	23	907	365.051	-359.809	D	7.552	7.546	0.006	3.2	92.94	7.04	0	0	0	0.02
2001	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	25	23	927	365.912	-357.454	D	7.596	7.546	0.049	3.2	66.87	33.02	0	0	0	0.11
2001	26	23	1035	356.477	-356.792	D	7.553	7.546	0.007	3.2	80.13	19.86	0	0	0	0.03
2001	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	28	23	932	366.176	-356.761	D	7.561	7.546	0.015	3.2	85.55	14.44	0	0	0	0.02
2001	29	23	784	365.648	-355.309	D	7.546	7.546	0	3.2	89.12	10.48	0	0	0	0.01
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	38	23	967	363.478	-354.116	D	7.407	7.406	0.002	2.9	89.67	10.34	0	0	0	0.06
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	41	23	949	365.722	-354.966	D	7.406	7.406	0	2.9	83.62	16.68	0	0	0	0.06
2001	42	23	964	363.678	-354.148	D	7.434	7.406	0.028	2.9	82.82	17.15	0	0	0	0.04
2001	43	23	1017	356.894	-355.206	D	7.406	7.406	0.001	2.9	88.63	11.67	0	0	0	0.01
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1008	358.048	-354.775	D	7.427	7.406	0.022	2.9	93.62	6.36	0	0	0	0.02
2001	46	23	947	365.801	-355.162	D	7.817	7.406	0.411	2.9	94.65	5.34	0	0	0	0.01
2001	47	23	907	365.051	-359.809	D	7.42	7.406	0.015	2.9	96.45	3.55	0	0	0	0.01
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	930	366.19	-357.232	D	7.407	7.406	0.002	2.9	92.59	7.45	0	0	0	0.03
2001	50	23	930	366.19	-357.232	D	7.407	7.406	0.002	2.9	93.11	6.9	0	0	0	0.02
2001	51	23	1017	356.894	-355.206	D	7.406	7.406	0	2.9	97.13	3.01	0	0	0	0.05
2001	52	23	1039	356.522	-357.599	D	7.41	7.406	0.004	2.9	91.98	8.06	0	0	0	0.02
2001	53	23	1008	358.048	-354.775	D	7.42	7.406	0.014	2.9	92.18	7.81	0	0	0	0.03
2001	54	23	964	363.678	-354.148	D	7.442	7.406	0.036	2.9	89.07	10.91	0	0	0	0.02
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	933	366.169	-356.524	D	7.406	7.406	0.001	2.9	96.75	3.31	0	0	0	0.05
2001	58	23	907	365.051	-359.809	D	7.422	7.406	0.017	2.9	92.63	7.36	0	0	0	0.03
2001	59	23	1035	356.477	-356.792	D	7.412	7.406	0.007	2.9	92.72	7.3	0	0	0	0.01
2001	60	23	1017	356.894	-355.206	D	7.319	7.315	0.004	2.708	95.05	4.98	0	0	0	0.01

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	61	23	949	365.722	-354.966	D	7.325	7.311	0.015	2.7	94.55	5.45	0	0	0	0.01
2001	62	23	852	361.595	-362.148	D	7.311	7.311	0.001	2.7	97.88	2.36	0	0	0	0.01
2001	63	23	78	358.239	-356.385	D	7.535	7.311	0.224	2.7	82.65	17.26	0	0	0	0.09
2001	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	66	23	927	365.912	-357.454	D	7.311	7.311	0	2.7	69.24	30.79	0	0	0	0.14
2001	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	68	23	930	366.19	-357.232	D	7.329	7.311	0.018	2.7	79.7	20.22	0	0	0	0.1
2001	69	23	930	366.19	-357.232	D	7.32	7.311	0.009	2.7	92.58	7.39	0	0	0	0.04
2001	70	23	949	365.722	-354.966	D	7.317	7.311	0.007	2.7	95.31	4.7	0	0	0	0.02
2001	71	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	98.16	1.94	0	0	0	0.01
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	96.87	5.72	0	0	0	0.01
2001	75	23	974	362.281	-354.249	D	7.588	7.311	0.277	2.7	95.16	4.82	0	0	0	0.02
2001	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	77	23	931	366.183	-356.996	D	7.366	7.311	0.055	2.7	85.71	14.24	0	0	0	0.05
2001	78	23	1039	356.522	-357.599	D	7.311	7.311	0	2.7	94.83	5.79	0	0	0	0.03
2001	79	23	1038	356.511	-357.396	D	7.316	7.311	0.005	2.7	90.46	9.52	0	0	0	0.04
2001	80	23	1038	356.511	-357.396	D	7.375	7.311	0.064	2.7	89.67	10.27	0	0	0	0.07
2001	81	23	907	365.051	-359.809	D	7.386	7.311	0.075	2.7	97.45	2.52	0	0	0	0.03
2001	82	23	930	366.19	-357.232	D	7.384	7.311	0.073	2.7	97.8	2.19	0	0	0	0.02
2001	83	23	1017	356.894	-355.206	D	7.413	7.311	0.102	2.7	92.27	7.69	0	0	0	0.04
2001	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	86	23	191	359.732	-362.061	D	7.311	7.311	0	2.7	100.16	2	0	0	0	0.02
2001	87	23	930	366.19	-357.232	D	7.338	7.311	0.027	2.7	94.14	5.85	0	0	0	0.02
2001	88	23	1008	358.048	-354.775	D	7.312	7.311	0.001	2.7	95.76	4.35	0	0	0	0.01
2001	89	23	1016	357.1	-355.198	D	7.311	7.311	0.001	2.7	97.84	2.23	0	0	0	0.01
2001	90	23	4	356.794	-357.447	D	7.311	7.311	0.001	2.7	97.81	2.29	0	0	0	0.01
2001	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	7.323	7.311	0.012	2.7	99.08	0.92	0	0	0	0.02
2001	106	23	930	366.19	-357.232	D	7.311	7.311	0	2.7	91.04	9.11	0	0	0	0.12
2001	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	129	23	907	365.051	-359.809	D	7.594	7.593	0.001	3.3	99.62	0.34	0	0	0	0.02
2001	130	23	907	365.051	-359.809	D	7.596	7.593	0.004	3.3	99.88	0.12	0	0	0	0.01
2001	131	23	789	365.918	-355.796	D	7.593	7.593	0	3.3	99.66	0.04	0	0	0	0.01
2001	132	23	1017	356.894	-355.206	D	7.649	7.593	0.056	3.3	93.36	6.57	0	0	0	0.08
2001	133	23	964	363.678	-354.148	D	7.814	7.593	0.221	3.3	99.54	0.44	0	0	0	0.02
2001	134	23	930	366.19	-357.232	D	7.601	7.593	0.009	3.3	99.9	0.1	0	0	0	0.01
2001	135	23	544	363.15	-360.662	D	7.593	7.593	0	3.3	88.71	0.01	0	0	0	0.01
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1017	356.894	-355.206	D	7.629	7.593	0.036	3.3	96.61	3.37	0	0	0	0.01

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	139	23	949	365.722	-354.966	D	7.899	7.593	0.306	3.3	96.24	3.75	0	0	0	0.02
2001	140	23	964	363.678	-354.148	D	7.648	7.593	0.056	3.3	99.82	0.16	0	0	0	0.02
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	98.63	0.05	0	0	0	0.02
2001	149	23	930	366.19	-357.232	D	7.644	7.593	0.052	3.3	99.75	0.24	0	0	0	0.01
2001	150	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	99.76	0.25	0	0	0	0.01
2001	151	23	1017	356.894	-355.206	D	7.69	7.593	0.097	3.3	99.49	0.5	0	0	0	0.01
2001	152	23	907	365.051	-359.809	D	7.609	7.593	0.016	3.3	99.73	0.27	0	0	0	0.01
2001	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	933	366.169	-356.524	D	7.708	7.593	0.115	3.3	99.92	0.07	0	0	0	0.01
2001	159	23	1017	356.894	-355.206	D	7.992	7.593	0.399	3.3	99.57	0.41	0	0	0	0.02
2001	160	23	1017	356.894	-355.206	D	7.746	7.593	0.153	3.3	99.75	0.24	0	0	0	0.01
2001	161	23	1017	356.894	-355.206	D	7.706	7.593	0.113	3.3	99.9	0.1	0	0	0	0.01
2001	162	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	99.98	0.03	0	0	0	0.01
2001	163	23	783	365.659	-355.558	D	7.593	7.593	0	3.3	100.21	0.02	0	0	0	0
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	822	358.021	-361.607	D	7.594	7.593	0.002	3.3	100.01	0.01	0	0	0	0.01
2001	169	23	930	366.19	-357.232	D	7.609	7.593	0.016	3.3	99.96	0.03	0	0	0	0.01
2001	170	23	643	363.609	-354.151	D	7.594	7.593	0.001	3.3	99.9	0.01	0	0	0	0.01
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	955	364.92	-354.582	D	7.738	7.593	0.145	3.3	99.41	0.59	0	0	0	0.01
2001	173	23	907	365.051	-359.809	D	7.595	7.593	0.002	3.3	99.81	0.16	0	0	0	0.01
2001	174	23	949	365.722	-354.966	D	7.602	7.593	0.01	3.3	99.91	0.07	0	0	0	0.02
2001	175	23	941	365.977	-355.774	D	7.636	7.593	0.044	3.3	99.87	0.11	0	0	0	0.02
2001	176	23	949	365.722	-354.966	D	7.651	7.593	0.058	3.3	99.91	0.08	0	0	0	0.01
2001	177	23	966	363.538	-354.124	D	7.636	7.593	0.044	3.3	99.93	0.06	0	0	0	0.01

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	178	23	1017	356.894	-355.206	D	7.611	7.593	0.018	3.3	99.93	0.06	0	0	0	0.01
2001	179	23	965	363.588	-354.142	D	7.6	7.593	0.008	3.3	99.84	0.15	0	0	0	0.01
2001	180	23	1006	358.469	-354.76	D	7.594	7.593	0.001	3.3	100.05	0.04	0	0	0	0.01
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	7.738	7.593	0.145	3.3	99.51	0.48	0	0	0	0.01
2001	183	23	964	363.678	-354.148	D	8.123	7.593	**0.53**	3.3	99.02	0.97	0	0	0	0.01
2001	184	23	966	363.538	-354.124	D	7.637	7.593	0.044	3.3	99.95	0.05	0	0	0	0.01
2001	185	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	99.65	0.01	0	0	0	0.01
2001	186	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	98.46	0.03	0	0	0	0.02
2001	187	23	949	365.722	-354.966	D	7.832	7.593	0.239	3.3	99.91	0.07	0	0	0	0.01
2001	188	23	933	366.169	-356.524	D	7.604	7.593	0.012	3.3	99.96	0.03	0	0	0	0.01
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	99.58	0.09	0	0	0	0.02
2001	192	23	930	366.19	-357.232	D	7.762	7.593	0.169	3.3	99.77	0.21	0	0	0	0.02
2001	193	23	907	365.051	-359.809	D	7.782	7.593	0.189	3.3	99.84	0.15	0	0	0	0.01
2001	194	23	907	365.051	-359.809	D	7.758	7.593	0.166	3.3	99.63	0.36	0	0	0	0.01
2001	195	23	822	358.021	-361.607	D	7.616	7.593	0.023	3.3	99.97	0.03	0	0	0	0.01
2001	196	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.94	0.01	0	0	0	0.01
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	99.74	0.02	0	0	0	0.01
2001	202	23	933	366.169	-356.524	D	7.612	7.593	0.019	3.3	99.85	0.14	0	0	0	0.01
2001	203	23	930	366.19	-357.232	D	7.642	7.593	0.049	3.3	99.93	0.07	0	0	0	0.01
2001	204	23	930	366.19	-357.232	D	7.629	7.593	0.036	3.3	99.93	0.07	0	0	0	0.01
2001	205	23	822	358.021	-361.607	D	7.613	7.593	0.02	3.3	99.97	0.03	0	0	0	0.01
2001	206	23	1007	358.259	-354.768	D	7.608	7.593	0.016	3.3	99.89	0.1	0	0	0	0
2001	207	23	949	365.722	-354.966	D	7.613	7.593	0.02	3.3	99.93	0.06	0	0	0	0.01
2001	208	23	949	365.722	-354.966	D	7.884	7.593	0.292	3.3	99.52	0.48	0	0	0	0.01
2001	209	23	933	366.169	-356.524	D	7.739	7.593	0.147	3.3	99.49	0.51	0	0	0	0.01
2001	210	23	949	365.722	-354.966	D	7.615	7.593	0.022	3.3	99.88	0.12	0	0	0	0.01
2001	211	23	949	365.722	-354.966	D	7.636	7.593	0.043	3.3	99.95	0.05	0	0	0	0.01
2001	212	23	949	365.722	-354.966	D	7.643	7.593	0.05	3.3	99.98	0.02	0	0	0	0.01
2001	213	23	947	365.801	-355.162	D	7.615	7.593	0.022	3.3	99.95	0.04	0	0	0	0.01
2001	214	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	99.99	0.02	0	0	0	0.01
2001	215	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	99.99	0.03	0	0	0	0.01
2001	216	23	967	363.478	-354.116	D	7.685	7.593	0.093	3.3	99.71	0.27	0	0	0	0.02

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	217	23	1039	356.522	-357.599	D	7.599	7.593	0.007	3.3	99.94	0.04	0	0	0	0.02
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	97.34	0	0	0	0	0.01
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	949	365.722	-354.966	D	7.655	7.593	0.063	3.3	99.87	0.12	0	0	0	0.02
2001	223	23	941	365.977	-355.774	D	8.193	7.593	**0.601**	3.3	99.36	0.62	0	0	0	0.01
2001	224	23	822	358.021	-361.607	D	8.089	7.593	0.496	3.3	99.84	0.15	0	0	0	0.02
2001	225	23	1017	356.894	-355.206	D	7.818	7.593	0.225	3.3	99.81	0.17	0	0	0	0.02
2001	226	23	907	365.051	-359.809	D	7.856	7.593	0.263	3.3	99.63	0.34	0	0	0	0.03
2001	227	23	1017	356.894	-355.206	D	7.641	7.593	0.048	3.3	99.89	0.1	0	0	0	0.01
2001	228	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	99.81	0.02	0	0	0	0.01
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	232	23	947	365.801	-355.162	D	7.599	7.593	0.006	3.3	99.6	0.4	0	0	0	0.02
2001	233	23	933	366.169	-356.524	D	7.596	7.593	0.003	3.3	99.95	0.04	0	0	0	0.01
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	710	364.843	-359.589	D	7.593	7.593	0	3.3	100.44	0.06	0	0	0	0.01
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	239	23	955	364.92	-354.582	D	7.975	7.593	0.383	3.3	99.48	0.51	0	0	0	0.02
2001	240	23	854	361.771	-362.091	D	7.984	7.593	0.391	3.3	99.88	0.11	0	0	0	0.01
2001	241	23	832	359.493	-362.061	D	7.772	7.593	0.18	3.3	99.91	0.08	0	0	0	0.01
2001	242	23	1008	358.048	-354.775	D	7.694	7.593	0.101	3.3	99.78	0.21	0	0	0	0.01
2001	243	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.83	0.17	0	0	0	0.01
2001	244	23	967	363.478	-354.116	D	7.767	7.637	0.13	3.396	99.5	0.48	0	0	0	0.01
2001	245	23	1035	356.477	-356.792	D	7.726	7.639	0.087	3.4	99.56	0.43	0	0	0	0.01
2001	246	23	1017	356.894	-355.206	D	7.652	7.639	0.013	3.4	99.94	0.06	0	0	0	0.01
2001	247	23	967	363.478	-354.116	D	7.711	7.639	0.072	3.4	99.94	0.05	0	0	0	0.01
2001	248	23	967	363.478	-354.116	D	7.741	7.639	0.103	3.4	99.79	0.21	0	0	0	0.01
2001	249	23	966	363.538	-354.124	D	7.654	7.639	0.016	3.4	99.94	0.05	0	0	0	0.01
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	254	23	955	364.92	-354.582	D	7.662	7.639	0.023	3.4	99.31	0.67	0	0	0	0.02
2001	255	23	1035	356.477	-356.792	D	7.64	7.639	0.001	3.4	99.83	0.17	0	0	0	0.01

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	256	23	974	362.281	-354.249	D	7.64	7.639	0.001	3.4	99.9	0.11	0	0	0	0.01
2001	257	23	966	363.538	-354.124	D	7.712	7.639	0.073	3.4	99.51	0.47	0	0	0	0.01
2001	258	23	1039	356.522	-357.599	D	7.648	7.639	0.009	3.4	99.94	0.07	0	0	0	0.01
2001	259	23	1035	356.477	-356.792	D	7.642	7.639	0.004	3.4	99.87	0.12	0	0	0	0.01
2001	260	23	1008	358.048	-354.775	D	7.642	7.639	0.003	3.4	99.91	0.11	0	0	0	0.01
2001	261	23	949	365.722	-354.966	D	7.64	7.639	0.001	3.4	99.69	0.33	0	0	0	0.01
2001	262	23	949	365.722	-354.966	D	7.655	7.639	0.016	3.4	97.58	2.42	0	0	0	0.01
2001	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	265	23	930	366.19	-357.232	D	7.652	7.639	0.013	3.4	99.47	0.51	0	0	0	0.03
2001	266	23	907	365.051	-359.809	D	7.652	7.639	0.013	3.4	99.52	0.47	0	0	0	0.02
2001	267	23	930	366.19	-357.232	D	7.73	7.639	0.091	3.4	93.31	6.62	0	0	0	0.07
2001	268	23	930	366.19	-357.232	D	7.678	7.639	0.039	3.4	94.84	5.1	0	0	0	0.06
2001	269	23	853	361.666	-362.175	D	7.838	7.639	0.199	3.4	97.39	2.59	0	0	0	0.02
2001	270	23	845	360.851	-362.181	D	7.787	7.639	0.148	3.4	99.44	0.55	0	0	0	0.01
2001	271	23	822	358.021	-361.607	D	7.753	7.639	0.115	3.4	99.58	0.4	0	0	0	0.02
2001	272	23	822	358.021	-361.607	D	7.642	7.639	0.003	3.4	99.89	0.11	0	0	0	0.01
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.552	7.505	0.047	3.112	99.32	0.67	0	0	0	0.01
2001	275	23	949	365.722	-354.966	D	7.523	7.5	0.023	3.1	99.71	0.29	0	0	0	0.01
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	822	358.021	-361.607	D	7.626	7.5	0.127	3.1	94.29	5.69	0	0	0	0.02
2001	279	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	90.63	9.34	0	0	0	0.04
2001	280	23	907	365.051	-359.809	D	7.505	7.5	0.006	3.1	99.47	0.55	0	0	0	0.02
2001	281	23	930	366.19	-357.232	D	7.562	7.5	0.063	3.1	97.89	2.1	0	0	0	0.01
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.505	7.5	0.005	3.1	94.93	5.06	0	0	0	0.02
2001	285	23	1008	358.048	-354.775	D	7.735	7.5	0.235	3.1	93.5	6.48	0	0	0	0.02
2001	286	23	1017	356.894	-355.206	D	7.533	7.5	0.034	3.1	99.32	0.67	0	0	0	0.01
2001	287	23	907	365.051	-359.809	D	7.533	7.5	0.034	3.1	98.32	1.67	0	0	0	0.01
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	949	365.722	-354.966	D	7.5	7.5	0	3.1	90.65	9.35	0	0	0	0.01
2001	290	23	929	366.032	-357.239	D	7.5	7.5	0	3.1	112.05	1.05	0	0	0	0.03
2001	291	23	930	366.19	-357.232	D	7.506	7.5	0.007	3.1	97.47	2.55	0	0	0	0.01
2001	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	301	23	933	366.169	-356.524	D	7.544	7.5	0.044	3.1	93.86	6.12	0	0	0	0.03
2001	302	23	1017	356.894	-355.206	D	7.503	7.5	0.003	3.1	97.62	2.4	0	0	0	0.01
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	853	361.666	-362.175	D	7.596	7.5	0.096	3.1	96.58	3.41	0	0	0	0.01
2001	308	23	1035	356.477	-356.792	D	7.53	7.5	0.03	3.1	99.05	0.94	0	0	0	0.01
2001	309	23	930	366.19	-357.232	D	7.623	7.5	0.124	3.1	94.62	5.36	0	0	0	0.03
2001	310	23	832	359.493	-362.061	D	7.616	7.5	0.117	3.1	97.98	2.01	0	0	0	0.01
2001	311	23	907	365.051	-359.809	D	7.593	7.5	0.094	3.1	99.28	0.71	0	0	0	0.01
2001	312	23	933	366.169	-356.524	D	7.513	7.5	0.014	3.1	99.68	0.33	0	0	0	0.01
2001	313	23	927	365.912	-357.454	D	7.597	7.5	0.098	3.1	79.73	20.15	0	0	0	0.13
2001	314	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	97.22	2.81	0	0	0	0.04
2001	315	23	773	365.4	-355.32	D	7.553	7.5	0.054	3.1	93.42	6.5	0	0	0	0.09
2001	316	23	822	358.021	-361.607	D	7.516	7.5	0.017	3.1	97.33	2.64	0	0	0	0.04
2001	317	23	1035	356.477	-356.792	D	7.516	7.5	0.017	3.1	98.87	1.12	0	0	0	0.02
2001	318	23	965	363.588	-354.142	D	7.5	7.5	0.001	3.1	99.71	0.28	0	0	0	0.01
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	326	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	94.62	5.62	0	0	0	0.03
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	907	365.051	-359.809	D	7.616	7.5	0.116	3.1	82.98	16.97	0	0	0	0.05
2001	333	23	1035	356.477	-356.792	D	7.667	7.5	0.167	3.1	87.87	12.09	0	0	0	0.04

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	334	23	822	358.021	-361.607	D	7.83	7.5	0.331	3.1	92.89	7.08	0	0	0	0.03
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	96.02	3.43	0	0	0	0.02
2001	342	23	773	365.4	-355.32	D	7.728	7.593	0.135	3.3	90.41	9.57	0	0	0	0.03
2001	343	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	85.08	14.83	0	0	0	0.07
2001	344	23	930	366.19	-357.232	D	7.615	7.593	0.022	3.3	83.66	16.3	0	0	0	0.04
2001	345	23	930	366.19	-357.232	D	7.605	7.593	0.013	3.3	91.22	8.76	0	0	0	0.02
2001	346	23	1008	358.048	-354.775	D	7.593	7.593	0	3.3	94.48	5.15	0	0	0	0.01
2001	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	348	23	933	366.169	-356.524	D	7.61	7.593	0.017	3.3	95.26	4.75	0	0	0	0.01
2001	349	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.1	0.95	0	0	0	0.01
2001	350	23	947	365.801	-355.162	D	7.597	7.593	0.005	3.3	96.74	3.28	0	0	0	0.01
2001	351	23	930	366.19	-357.232	D	7.73	7.593	0.137	3.3	86.35	13.6	0	0	0	0.04
2001	352	23	595	363.624	-360.142	D	7.593	7.593	0	3.3	95.83	2.3	0	0	0	0
2001	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	767	365.466	-356.815	D	7.593	7.593	0	3.3	90.76	4.82	0	0	0	0.01
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.601							
NORAN	**NORANDA**								**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2001	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	10	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	99.47	0.01	0	0	0.07	0.69
2001	11	23	933	366.169	-356.524	D	7.547	7.546	0.001	3.2	98.89	0.06	0	0	0.03	1.06
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	930	366.19	-357.232	D	7.55	7.546	0.004	3.2	98.44	0.09	0	0	0.05	1.44
2001	14	23	933	366.169	-356.524	D	7.548	7.546	0.001	3.2	98.99	0.04	0	0	0.01	0.94
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	26	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	95.2	0.23	0	0	0.07	4.52
2001	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	28	23	933	366.169	-356.524	D	7.57	7.546	0.024	3.2	89.49	0.38	0	0	0.59	9.55
2001	29	23	643	363.609	-354.151	D	7.546	7.546	0	3.2	92.43	0.54	0	0	0.01	6.43
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	38	23	949	365.722	-354.966	D	7.419	7.406	0.013	2.9	79.57	0.53	0	0	0.76	19.15
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	42	23	853	361.666	-362.175	D	7.411	7.406	0.005	2.9	98.23	0.04	0	0	0.11	1.65
2001	43	23	967	363.478	-354.116	D	7.433	7.406	0.028	2.9	92.09	0.41	0	0	0.04	7.47
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	46	23	786	365.973	-357.042	D	7.406	7.406	0	2.9	92.18	0.17	0	0	0.17	9.33
2001	47	23	906	364.982	-359.812	D	7.406	7.406	0	2.9	88.96	0.86	0	0	0.05	11.1
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	50	23	907	365.051	-359.809	D	7.407	7.406	0.001	2.9	95.92	0.14	0	0	0.08	3.92
2001	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	52	23	407	361.716	-361.973	D	7.406	7.406	0	2.9	69.64	0.01	0	0	11.73	35.29
2001	53	23	861	361.895	-361.506	D	7.406	7.406	0	2.9	64.61	0.01	0	0	5.86	30.05
2001	54	23	907	365.051	-359.809	D	7.409	7.406	0.004	2.9	91.79	0.17	0	0	1.12	6.95
2001	55	23	949	365.722	-354.966	D	7.416	7.406	0.011	2.9	95.82	0.17	0	0	0.08	3.93
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	58	23	853	361.666	-362.175	D	7.449	7.406	0.043	2.9	94.92	0.12	0	0	0.23	4.73
2001	59	23	822	358.021	-361.607	D	7.434	7.406	0.028	2.9	95.73	0.1	0	0	0.13	4.05
2001	60	23	853	361.666	-362.175	D	7.325	7.315	0.01	2.708	95.79	0.05	0	0	0.47	3.69
2001	61	23	907	365.051	-359.809	D	7.324	7.311	0.013	2.7	97.76	0.04	0	0	0.05	2.17
2001	62	23	852	361.595	-362.148	D	7.311	7.311	0.001	2.7	98.72	0.02	0	0	0.01	1.58
2001	63	23	44	358.21	-361.379	D	7.311	7.311	0	2.7	76.42	0.31	0	0	0.01	7.63
2001	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	69	23	301	360.724	-362.017	D	7.311	7.311	0	2.7	98.78	0.03	0	0	0.67	4.17
2001	70	23	907	365.051	-359.809	D	7.315	7.311	0.004	2.7	95.96	0.08	0	0	0.09	3.87
2001	71	23	774	365.389	-355.071	D	7.311	7.311	0	2.7	96.98	0.02	0	0	0.05	2.76
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	75	23	1007	358.259	-354.768	D	7.335	7.311	0.024	2.7	97.7	0.11	0	0	0.04	2.15
2001	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	82	23	907	365.051	-359.809	D	7.342	7.311	0.031	2.7	97.19	0.01	0	0	0.21	2.6
2001	83	23	853	361.666	-362.175	D	7.415	7.311	0.104	2.7	97.44	0.01	0	0	0.06	2.49
2001	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	87	23	832	359.493	-362.061	D	7.322	7.311	0.011	2.7	95.72	0.13	0	0	0.4	3.77
2001	88	23	964	363.678	-354.148	D	7.314	7.311	0.003	2.7	96.98	0.07	0	0	0.12	2.9
2001	89	23	845	360.851	-362.181	D	7.368	7.311	0.057	2.7	98.53	0.05	0	0	0.07	1.35
2001	90	23	853	361.666	-362.175	D	7.326	7.311	0.015	2.7	98.12	0.06	0	0	0.07	1.76
2001	91	23	780	365.692	-356.306	D	7.311	7.311	0	2.7	95.13	0.16	0	0	0.03	2.91
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	96.02	0.04	0	0	0.09	4.02
2001	94	23	933	366.169	-356.524	D	7.58	7.311	0.269	2.7	97.52	0.06	0	0	0.17	2.25
2001	95	23	964	363.678	-354.148	D	7.371	7.311	0.06	2.7	97.48	0.04	0	0	0.04	2.45
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	933	366.169	-356.524	D	7.313	7.311	0.002	2.7	91.53	0.01	0	0	0.24	8.39

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	120	23	933	366.169	-356.524	D	7.315	7.311	0.004	2.7	98.09	0	0	0	0.06	1.85
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	140	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	149	23	1039	356.522	-357.599	D	7.659	7.593	0.067	3.3	97.77	0	0	0	0.23	2.01
2001	150	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	96.93	0.01	0	0	0.19	2.88
2001	151	23	1017	356.894	-355.206	D	7.613	7.593	0.02	3.3	97.77	0.02	0	0	0.06	2.15
2001	152	23	933	366.169	-356.524	D	7.633	7.593	0.04	3.3	98.69	0.01	0	0	0.02	1.28
2001	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	154	23	822	358.021	-361.607	D	7.655	7.593	0.062	3.3	96.16	0.03	0	0	0.13	3.67
2001	155	23	963	363.809	-354.192	D	7.593	7.593	0.001	3.3	99.05	0.01	0	0	0.02	0.85
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	159	23	301	360.724	-362.017	D	7.593	7.593	0	3.3	89.55	0.07	0	0	0.15	12.48
2001	160	23	852	361.595	-362.148	D	7.593	7.593	0	3.3	99.33	0	0	0	0.11	0.48
2001	161	23	853	361.666	-362.175	D	7.653	7.593	0.061	3.3	98.56	0	0	0	0.09	1.34
2001	162	23	853	361.666	-362.175	D	7.693	7.593	0.1	3.3	98.61	0	0	0	0.07	1.32
2001	163	23	1017	356.894	-355.206	D	7.632	7.593	0.039	3.3	98.73	0	0	0	0.09	1.18
2001	164	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	98.84	0	0	0	0.04	0.8
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	380	361.468	-361.984	D	7.593	7.593	0	3.3	84.07	0	0	0	5.35	11.45
2001	169	23	1035	356.477	-356.792	D	7.652	7.593	0.059	3.3	98.83	0	0	0	0.08	1.09
2001	170	23	433	361.398	-354.747	D	7.593	7.593	0	3.3	93.12	0	0	0	0.02	1.23
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	176	23	907	365.051	-359.809	D	7.61	7.593	0.017	3.3	99.47	0	0	0	0.08	0.46
2001	177	23	931	366.183	-356.996	D	7.765	7.593	0.172	3.3	98.54	0	0	0	0.12	1.34
2001	178	23	949	365.722	-354.966	D	7.768	7.593	0.175	3.3	98.85	0	0	0	0.08	1.07
2001	179	23	966	363.538	-354.124	D	7.704	7.593	0.112	3.3	98.96	0.01	0	0	0.05	0.99
2001	180	23	1008	358.048	-354.775	D	7.606	7.593	0.013	3.3	99.06	0	0	0	0.03	0.91
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	84.52	0	0	0	0.02	5.07
2001	182	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	90.22	0.02	0	0	0.32	9.53
2001	183	23	932	366.176	-356.761	D	7.595	7.593	0.003	3.3	95.4	0.02	0	0	0.12	4.5
2001	184	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	96.95	0	0	0	0.08	2.97
2001	185	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	98.07	0	0	0	0.19	1.97
2001	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	188	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.54	0	0	0	0.02	0.49
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	193	23	949	365.722	-354.966	D	7.708	7.593	0.115	3.3	97.04	0	0	0	0.14	2.81
2001	194	23	1039	356.522	-357.599	D	7.729	7.593	0.137	3.3	97.57	0.01	0	0	0.05	2.36
2001	195	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	95.46	0	0	0	0.11	4.95
2001	196	23	1039	356.522	-357.599	D	7.651	7.593	0.058	3.3	97.48	0	0	0	0.38	2.13
2001	197	23	1009	357.941	-354.82	D	7.598	7.593	0.005	3.3	94.12	0	0	0	0.21	5.69

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	198	23	594	363.123	-354.422	D	7.593	7.593	0	3.3	85.95	0.04	0	0	0.08	12.97
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	202	23	619	363.872	-360.131	D	7.593	7.593	0	3.3	90.51	0.01	0	0	0.07	2.52
2001	203	23	853	361.666	-362.175	D	7.595	7.593	0.002	3.3	98.96	0	0	0	0.05	0.95
2001	204	23	853	361.666	-362.175	D	7.661	7.593	0.069	3.3	99.12	0	0	0	0.05	0.82
2001	205	23	822	358.021	-361.607	D	7.692	7.593	0.099	3.3	99.23	0	0	0	0.03	0.74
2001	206	23	1017	356.894	-355.206	D	7.673	7.593	0.08	3.3	99.28	0	0	0	0.02	0.7
2001	207	23	947	365.801	-355.162	D	7.633	7.593	0.04	3.3	99.31	0	0	0	0.01	0.67
2001	208	23	933	366.169	-356.524	D	7.624	7.593	0.031	3.3	99.15	0	0	0	0.02	0.82
2001	209	23	907	365.051	-359.809	D	7.626	7.593	0.033	3.3	99.08	0.01	0	0	0.02	0.9
2001	210	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	99.39	0	0	0	0.01	0.72
2001	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	58.4	0	0	0	0.05	2.54
2001	212	23	947	365.801	-355.162	D	7.619	7.593	0.026	3.3	99.16	0	0	0	0.11	0.73
2001	213	23	930	366.19	-357.232	D	7.655	7.593	0.063	3.3	98.83	0	0	0	0.07	1.09
2001	214	23	1008	358.048	-354.775	D	7.613	7.593	0.02	3.3	99.33	0	0	0	0.03	0.64
2001	215	23	949	365.722	-354.966	D	7.595	7.593	0.003	3.3	99.48	0	0	0	0.02	0.53
2001	216	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	98.76	0	0	0	0.03	0.94
2001	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	97.05	0	0	0	0.06	0.41
2001	218	23	28	357.918	-360.393	D	7.593	7.593	0	3.3	60.8	0	0	0	13.6	26.75
2001	219	23	853	361.666	-362.175	D	8.004	7.593	0.411	3.3	97.99	0	0	0	0.28	1.72
2001	220	23	822	358.021	-361.607	D	7.679	7.593	0.086	3.3	98.75	0	0	0	0.12	1.12
2001	221	23	907	365.051	-359.809	D	7.617	7.593	0.024	3.3	99.06	0	0	0	0.05	0.9
2001	222	23	782	365.67	-355.807	D	7.593	7.593	0	3.3	99.4	0	0	0	0.03	0.52
2001	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	224	23	907	365.051	-359.809	D	7.593	7.593	0.001	3.3	98.05	0	0	0	0.2	1.78
2001	225	23	853	361.666	-362.175	D	7.594	7.593	0.002	3.3	98.81	0.01	0	0	0.06	1.26
2001	226	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	83.93	0	0	0	0.08	1.79
2001	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	644	364.12	-360.12	D	7.593	7.593	0	3.3	102.47	0	0	0	0.01	0.3
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2001	245	23	845	360.851	-362.181	D	7.963	7.639	0.324	3.4	97.08	0.04	0	0	0.22	2.66
2001	246	23	822	358.021	-361.607	D	7.686	7.639	0.047	3.4	98.95	0	0	0	0.07	0.97
2001	247	23	1035	356.477	-356.792	D	7.646	7.639	0.007	3.4	99.3	0	0	0	0.05	0.66
2001	248	23	823	358.24	-361.604	D	7.782	7.639	0.143	3.4	97.97	0	0	0	0.36	1.67
2001	249	23	967	363.478	-354.116	D	7.768	7.639	0.13	3.4	97.94	0.01	0	0	0.08	1.97
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	254	23	906	364.982	-359.812	D	7.639	7.639	0	3.4	70.41	0	0	0	7.17	22.29
2001	255	23	822	358.021	-361.607	D	7.644	7.639	0.005	3.4	87.87	0	0	0	1.45	10.73
2001	256	23	822	358.021	-361.607	D	7.64	7.639	0.001	3.4	88.08	0	0	0	1.53	10.51
2001	257	23	44	358.21	-361.379	D	7.639	7.639	0	3.4	89.6	0	0	0	1.08	9.64
2001	258	23	1017	356.894	-355.206	D	7.639	7.639	0.001	3.4	99.11	0	0	0	0.06	1.01
2001	259	23	822	358.021	-361.607	D	7.657	7.639	0.018	3.4	98.76	0	0	0	0.09	1.16
2001	260	23	832	359.493	-362.061	D	7.725	7.639	0.086	3.4	98.76	0	0	0	0.04	1.2
2001	261	23	930	366.19	-357.232	D	7.661	7.639	0.022	3.4	98.69	0	0	0	0.03	1.28
2001	262	23	641	363.631	-354.649	D	7.639	7.639	0	3.4	94.06	0.03	0	0	0.05	3.16
2001	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	265	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	266	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	270	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	271	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	279	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	280	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	281	23	930	366.19	-357.232	D	7.535	7.5	0.036	3.1	97.84	0.03	0	0	0.11	2.02
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	81.02	0.08	0	0	0.07	16.4
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	286	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	291	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	97.57	0.01	0	0	0.11	2.42
2001	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	301	23	907	365.051	-359.809	D	7.5	7.5	0.001	3.1	96.44	0.02	0	0	0.34	3.2
2001	302	23	930	366.19	-357.232	D	7.518	7.5	0.019	3.1	97	0.06	0	0	0.09	2.86
2001	303	23	785	365.637	-355.06	D	7.5	7.5	0	3.1	97.49	0.01	0	0	0.02	1.97
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	71.79	0	0	0	5.61	25.42
2001	308	23	832	359.493	-362.061	D	7.502	7.5	0.002	3.1	68.11	0	0	0	2.99	28.99
2001	309	23	44	358.21	-361.379	D	7.5	7.5	0	3.1	75.21	0	0	0	1.44	16.72
2001	310	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	96.91	0	0	0	0.28	2.97
2001	311	23	907	365.051	-359.809	D	7.516	7.5	0.017	3.1	98.05	0.01	0	0	0.09	1.86
2001	312	23	933	366.169	-356.524	D	7.502	7.5	0.002	3.1	95.66	0.02	0	0	0.07	4.3
2001	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	316	23	846	360.93	-362.178	D	7.548	7.5	0.048	3.1	95.48	0.01	0	0	0.97	3.55
2001	317	23	1017	356.894	-355.206	D	7.515	7.5	0.015	3.1	83.61	0.23	0	0	0.19	15.98
2001	318	23	62	357.925	-354.901	D	7.5	7.5	0.001	3.1	96.78	0.01	0	0	0.01	3.21
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	853	361.666	-362.175	D	7.511	7.5	0.012	3.1	96.56	0.02	0	0	0.27	3.16
2001	322	23	930	366.19	-357.232	D	7.793	7.5	0.293	3.1	97.86	0.03	0	0	0.08	2.03
2001	323	23	955	364.92	-354.582	D	7.5	7.5	0	3.1	99.33	0	0	0	0.02	0.57
2001	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	892	363.354	-360.543	D	7.5	7.5	0	3.1	101.14	0.12	0	0	1.18	3.75
2001	333	23	850	361.371	-362.039	D	7.5	7.5	0	3.1	97.33	0.11	0	0	0.05	2.24
2001	334	23	407	361.716	-361.973	D	7.5	7.5	0	3.1	97.56	0.08	0	0	0.01	1.55
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	932	366.176	-356.761	D	7.593	7.593	0	3.3	98.31	0.01	0	0	0.11	1.57
2001	337	23	931	366.183	-356.996	D	7.593	7.593	0.001	3.3	97.76	0.01	0	0	0.11	1.88
2001	338	23	779	365.703	-356.555	D	7.593	7.593	0	3.3	90.9	0.04	0	0	0.15	9.05
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	342	23	933	366.169	-356.524	D	7.663	7.593	0.07	3.3	99.21	0.04	0	0	0.03	0.72
2001	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	344	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	345	23	930	366.19	-357.232	D	7.628	7.593	0.036	3.3	96.52	0.11	0	0	0.24	3.13
2001	346	23	949	365.722	-354.966	D	7.597	7.593	0.005	3.3	80.93	0.69	0	0	0.19	18.19
2001	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	348	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	350	23	907	365.051	-359.809	D	7.804	7.593	0.211	3.3	98.75	0.03	0	0	0.14	1.09
2001	351	23	907	365.051	-359.809	D	7.647	7.593	0.054	3.3	99.5	0.02	0	0	0.03	0.45
2001	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.411							
INDEPENDENCE									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	947	365.801	-355.162	D	7.552	7.548	0.004	3.204	81.01	18.34	0	0	0	0.66
2001	2	23	949	365.722	-354.966	D	7.955	7.546	0.409	3.2	89.45	10.2	0	0	0	0.35
2001	3	23	949	365.722	-354.966	D	7.631	7.546	0.084	3.2	92.18	7.58	0	0	0	0.24
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	892	363.354	-360.543	D	7.813	7.546	0.267	3.2	65.65	32.84	0	0	0	1.52
2001	8	23	933	366.169	-356.524	D	7.819	7.546	0.273	3.2	72.68	25.77	0	0	0	1.55
2001	9	23	1017	356.894	-355.206	D	7.991	7.546	0.445	3.2	92.79	6.93	0	0	0	0.27
2001	10	23	853	361.666	-362.175	D	7.59	7.546	0.044	3.2	90.5	9.29	0	0	0	0.22
2001	11	23	949	365.722	-354.966	D	7.547	7.546	0.001	3.2	94.27	5.58	0	0	0	0.13
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1017	356.894	-355.206	D	7.681	7.546	0.135	3.2	75.34	23.58	0	0	0	1.08
2001	17	23	822	358.021	-361.607	D	7.548	7.546	0.002	3.2	80.46	18.95	0	0	0	0.61
2001	18	23	1017	356.894	-355.206	D	7.603	7.546	0.057	3.2	90.84	8.71	0	0	0	0.45
2001	19	23	822	358.021	-361.607	D	7.614	7.546	0.068	3.2	80.72	18.49	0	0	0	0.79
2001	20	23	102	358.487	-356.374	D	7.823	7.546	0.277	3.2	70.18	28.51	0	0	0	1.31
2001	21	23	931	366.183	-356.996	D	7.546	7.546	0	3.2	75.23	24.15	0	0	0	0.62
2001	22	23	955	364.92	-354.582	D	7.546	7.546	0	3.2	68.35	30.11	0	0	0	1.35

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	1016	357.1	-355.198	D	7.639	7.546	0.092	3.2	89.55	10.03	0	0	0	0.42
2001	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	27	23	1017	356.894	-355.206	D	7.634	7.546	0.088	3.2	68.51	30.08	0	0	0	1.41
2001	28	23	1035	356.477	-356.792	D	7.567	7.546	0.02	3.2	80.26	19.19	0	0	0	0.56
2001	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	949	365.722	-354.966	D	7.487	7.406	0.081	2.9	63.59	34.57	0	0	0	1.84
2001	34	23	932	366.176	-356.761	D	7.406	7.406	0	2.9	77.68	21.64	0	0	0	0.68
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	1008	358.048	-354.775	D	7.411	7.406	0.005	2.9	92.94	5.92	0	0	0	1.16
2001	38	23	967	363.478	-354.116	D	7.423	7.406	0.018	2.9	86.17	13.18	0	0	0	0.66
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	1007	358.259	-354.768	D	7.555	7.406	0.149	2.9	80.6	18.57	0	0	0	0.84
2001	41	23	1039	356.522	-357.599	D	7.448	7.406	0.042	2.9	61.04	36.78	0	0	0	2.19
2001	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	46	23	822	358.021	-361.607	D	7.941	7.406	**0.535**	2.9	92.45	7.14	0	0	0	0.41
2001	47	23	853	361.666	-362.175	D	7.931	7.406	**0.525**	2.9	88.53	11.09	0	0	0	0.39
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	1017	356.894	-355.206	D	7.466	7.406	0.061	2.9	84.7	14.8	0	0	0	0.51
2001	50	23	643	363.609	-354.151	D	7.406	7.406	0.001	2.9	90.23	9.43	0	0	0	0.3
2001	51	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	97.35	2.24	0	0	0	0.44
2001	52	23	1017	356.894	-355.206	D	7.434	7.406	0.028	2.9	94.31	5.48	0	0	0	0.22
2001	53	23	1	356.546	-357.458	D	7.41	7.406	0.004	2.9	94.25	5.65	0	0	0	0.17
2001	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	87.75	2.2	0	0	0	0.11
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	933	366.169	-356.524	D	7.419	7.406	0.014	2.9	93.49	6.03	0	0	0	0.5
2001	58	23	955	364.92	-354.582	D	7.432	7.406	0.026	2.9	94.25	5.52	0	0	0	0.23
2001	59	23	1017	356.894	-355.206	D	7.412	7.406	0.006	2.9	94.06	5.85	0	0	0	0.11
2001	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2001	61	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	62	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	92.67	6.73	0	0	0	0.7
2001	63	23	1017	356.894	-355.206	D	7.49	7.311	0.18	2.7	92.89	6.78	0	0	0	0.33
2001	64	23	1039	356.522	-357.599	D	7.446	7.311	0.135	2.7	78.08	20.35	0	0	0	1.57
2001	65	23	949	365.722	-354.966	D	7.388	7.311	0.077	2.7	82.34	16.63	0	0	0	1.03
2001	66	23	1008	358.048	-354.775	D	7.446	7.311	0.135	2.7	94.16	5.21	0	0	0	0.63
2001	67	23	927	365.912	-357.454	D	7.578	7.311	0.268	2.7	83.67	15.18	0	0	0	1.15
2001	68	23	949	365.722	-354.966	D	7.337	7.311	0.026	2.7	84.34	14.45	0	0	0	1.21
2001	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	85.06	13.81	0	0	0	1.24
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	75	23	1007	358.259	-354.768	D	7.415	7.311	0.105	2.7	87.46	11.66	0	0	0	0.89
2001	76	23	1039	356.522	-357.599	D	7.338	7.311	0.027	2.7	75.18	23.05	0	0	0	1.77
2001	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	80	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	84	23	1039	356.522	-357.599	D	7.315	7.311	0.004	2.7	87.26	11.75	0	0	0	1.02
2001	85	23	822	358.021	-361.607	D	7.333	7.311	0.023	2.7	86.76	12.4	0	0	0	0.84
2001	86	23	1017	356.894	-355.206	D	7.313	7.311	0.003	2.7	88.84	10.68	0	0	0	0.55
2001	87	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	97.58	3.35	0	0	0	0.42
2001	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	90	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	92.75	6.47	0	0	0	0.87
2001	91	23	949	365.722	-354.966	D	7.345	7.311	0.034	2.7	89.98	8.93	0	0	0	1.09
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	7.46	7.311	0.149	2.7	98.33	1.16	0	0	0	0.51
2001	106	23	933	366.169	-356.524	D	7.378	7.311	0.068	2.7	90.4	8.41	0	0	0	1.19
2001	107	23	907	365.051	-359.809	D	7.326	7.311	0.015	2.7	71.71	25.79	0	0	0	2.5
2001	108	23	1035	356.477	-356.792	D	7.376	7.311	0.065	2.7	96.46	3.17	0	0	0	0.37
2001	109	23	933	366.169	-356.524	D	7.32	7.311	0.009	2.7	99.18	0.62	0	0	0	0.2
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1035	356.477	-356.792	D	7.343	7.311	0.033	2.7	97.4	1.7	0	0	0	0.9
2001	115	23	1017	356.894	-355.206	D	7.384	7.311	0.073	2.7	97.42	2.21	0	0	0	0.37
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	949	365.722	-354.966	D	7.689	7.593	0.096	3.3	99.17	0.36	0	0	0	0.47
2001	128	23	1035	356.477	-356.792	D	7.679	7.593	0.087	3.3	98.84	0.75	0	0	0	0.41
2001	129	23	949	365.722	-354.966	D	7.698	7.593	0.105	3.3	99.51	0.28	0	0	0	0.21
2001	130	23	933	366.169	-356.524	D	7.595	7.593	0.002	3.3	99.83	0.07	0	0	0	0.14
2001	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	132	23	930	366.19	-357.232	D	7.647	7.593	0.055	3.3	95.37	4.37	0	0	0	0.25
2001	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1035	356.477	-356.792	D	7.598	7.593	0.005	3.3	98.33	1.52	0	0	0	0.16
2001	139	23	853	361.666	-362.175	D	7.628	7.593	0.036	3.3	98.83	1.06	0	0	0	0.11

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	140	23	519	362.902	-360.673	D	7.593	7.593	0	3.3	97.53	0.03	0	0	0	0.11
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	949	365.722	-354.966	D	7.622	7.593	0.03	3.3	99.72	0.05	0	0	0	0.23
2001	149	23	933	366.169	-356.524	D	7.798	7.593	0.205	3.3	99.63	0.2	0	0	0	0.17
2001	150	23	955	364.92	-354.582	D	7.622	7.593	0.03	3.3	99.72	0.15	0	0	0	0.13
2001	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	153	23	949	365.722	-354.966	D	7.646	7.593	0.053	3.3	97.07	2.03	0	0	0	0.9
2001	154	23	949	365.722	-354.966	D	7.597	7.593	0.005	3.3	98.34	1.42	0	0	0	0.26
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	156	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	107.93	0.19	0	0	0	0.11
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.708	7.593	0.115	3.3	99.48	0.39	0	0	0	0.12
2001	159	23	1035	356.477	-356.792	D	7.839	7.593	0.246	3.3	99.73	0.16	0	0	0	0.11
2001	160	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	99.89	0.01	0	0	0	0.11
2001	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	853	361.666	-362.175	D	7.597	7.593	0.005	3.3	99.79	0.02	0	0	0	0.19
2001	169	23	932	366.176	-356.761	D	7.6	7.593	0.008	3.3	99.84	0.03	0	0	0	0.14
2001	170	23	729	364.634	-354.854	D	7.593	7.593	0	3.3	98.37	0.01	0	0	0	0.12
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	949	365.722	-354.966	D	7.833	7.593	0.24	3.3	99.3	0.45	0	0	0	0.25
2001	173	23	949	365.722	-354.966	D	7.762	7.593	0.169	3.3	99.46	0.13	0	0	0	0.4
2001	174	23	822	358.021	-361.607	D	7.766	7.593	0.174	3.3	99.29	0.33	0	0	0	0.38
2001	175	23	907	365.051	-359.809	D	7.6	7.593	0.008	3.3	99.65	0.09	0	0	0	0.25
2001	176	23	933	366.169	-356.524	D	7.596	7.593	0.003	3.3	99.8	0.07	0	0	0	0.15
2001	177	23	964	363.678	-354.148	D	7.593	7.593	0	3.3	99.88	0.04	0	0	0	0.12
2001	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	179	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	180	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1008	358.048	-354.775	D	7.61	7.593	0.017	3.3	99.83	0.02	0	0	0	0.15
2001	183	23	1017	356.894	-355.206	D	7.642	7.593	0.05	3.3	99.67	0.21	0	0	0	0.12
2001	184	23	1007	358.259	-354.768	D	7.595	7.593	0.002	3.3	99.82	0.03	0	0	0	0.1
2001	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	186	23	964	363.678	-354.148	D	7.669	7.593	0.077	3.3	99.77	0.03	0	0	0	0.2
2001	187	23	853	361.666	-362.175	D	7.807	7.593	0.214	3.3	99.81	0.05	0	0	0	0.14
2001	188	23	933	366.169	-356.524	D	7.638	7.593	0.045	3.3	99.88	0.02	0	0	0	0.1
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	8.08	7.593	0.487	3.3	99.45	0.35	0	0	0	0.2
2001	192	23	853	361.666	-362.175	D	7.645	7.593	0.052	3.3	99.78	0.03	0	0	0	0.19
2001	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	194	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	195	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	202	23	933	366.169	-356.524	D	7.593	7.593	0	3.3	99.74	0.01	0	0	0	0.14
2001	203	23	947	365.801	-355.162	D	7.594	7.593	0.001	3.3	99.78	0.13	0	0	0	0.12
2001	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	207	23	964	363.678	-354.148	D	7.603	7.593	0.011	3.3	99.8	0.07	0	0	0	0.13
2001	208	23	949	365.722	-354.966	D	7.633	7.593	0.041	3.3	99.56	0.35	0	0	0	0.09
2001	209	23	933	366.169	-356.524	D	7.616	7.593	0.024	3.3	99.44	0.48	0	0	0	0.08
2001	210	23	771	365.422	-355.818	D	7.593	7.593	0	3.3	99.17	0.1	0	0	0	0.08
2001	211	23	947	365.801	-355.162	D	7.647	7.593	0.055	3.3	99.69	0.18	0	0	0	0.12
2001	212	23	949	365.722	-354.966	D	7.637	7.593	0.044	3.3	99.89	0.02	0	0	0	0.1
2001	213	23	643	363.609	-354.151	D	7.594	7.593	0.002	3.3	99.91	0.01	0	0	0	0.08
2001	214	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	216	23	930	366.19	-357.232	D	7.632	7.593	0.039	3.3	99.4	0.44	0	0	0	0.16
2001	217	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.9	0.02	0	0	0	0.13

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	822	358.021	-361.607	D	7.628	7.593	0.036	3.3	99.53	0.15	0	0	0	0.32
2001	223	23	846	360.93	-362.178	D	7.697	7.593	0.104	3.3	98.3	1.52	0	0	0	0.18
2001	224	23	907	365.051	-359.809	D	7.598	7.593	0.006	3.3	99.61	0.3	0	0	0	0.1
2001	225	23	907	365.051	-359.809	D	7.6	7.593	0.007	3.3	99.28	0.64	0	0	0	0.08
2001	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	1017	356.894	-355.206	D	7.705	7.593	0.112	3.3	99.34	0.17	0	0	0	0.49
2001	232	23	822	358.021	-361.607	D	7.9	7.593	0.307	3.3	99.54	0.17	0	0	0	0.29
2001	233	23	949	365.722	-354.966	D	7.634	7.593	0.041	3.3	99.76	0.07	0	0	0	0.17
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	907	365.051	-359.809	D	7.629	7.593	0.037	3.3	96.95	2.67	0	0	0	0.38
2001	239	23	822	358.021	-361.607	D	7.607	7.593	0.015	3.3	99.19	0.61	0	0	0	0.21
2001	240	23	949	365.722	-354.966	D	7.601	7.593	0.009	3.3	99.71	0.09	0	0	0	0.2
2001	241	23	949	365.722	-354.966	D	7.659	7.593	0.066	3.3	99.67	0.12	0	0	0	0.21
2001	242	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	99.7	0.16	0	0	0	0.15
2001	243	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.78	0.08	0	0	0	0.21
2001	244	23	967	363.478	-354.116	D	7.799	7.637	0.162	3.396	99.2	0.64	0	0	0	0.16
2001	245	23	1017	356.894	-355.206	D	7.763	7.639	0.124	3.4	99.57	0.32	0	0	0	0.11
2001	246	23	1017	356.894	-355.206	D	7.674	7.639	0.035	3.4	99.87	0.04	0	0	0	0.09
2001	247	23	1017	356.894	-355.206	D	7.691	7.639	0.052	3.4	99.74	0.07	0	0	0	0.19
2001	248	23	1017	356.894	-355.206	D	7.713	7.639	0.074	3.4	99.61	0.23	0	0	0	0.16
2001	249	23	1008	358.048	-354.775	D	7.64	7.639	0.001	3.4	99.78	0.07	0	0	0	0.13
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	907	365.051	-359.809	D	7.883	7.639	0.245	3.4	99.01	0.58	0	0	0	0.42
2001	253	23	930	366.19	-357.232	D	7.709	7.639	0.07	3.4	97.23	2.13	0	0	0	0.64
2001	254	23	1039	356.522	-357.599	D	7.649	7.639	0.01	3.4	99.46	0.23	0	0	0	0.31
2001	255	23	949	365.722	-354.966	D	7.66	7.639	0.022	3.4	99.55	0.26	0	0	0	0.2
2001	256	23	949	365.722	-354.966	D	7.7	7.639	0.061	3.4	99.68	0.17	0	0	0	0.15

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	257	23	1008	358.048	-354.775	D	7.686	7.639	0.048	3.4	99.72	0.15	0	0	0	0.13
2001	258	23	821	358.053	-361.416	D	7.639	7.639	0.001	3.4	99.86	0.01	0	0	0	0.11
2001	259	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	262	23	949	365.722	-354.966	D	7.786	7.639	0.147	3.4	89.08	9.97	0	0	0	0.96
2001	263	23	947	365.801	-355.162	D	7.64	7.639	0.001	3.4	96.53	2.89	0	0	0	0.66
2001	264	23	1017	356.894	-355.206	D	7.673	7.639	0.034	3.4	99.59	0.09	0	0	0	0.32
2001	265	23	1035	356.477	-356.792	D	7.773	7.639	0.134	3.4	99.26	0.49	0	0	0	0.25
2001	266	23	1035	356.477	-356.792	D	7.751	7.639	0.113	3.4	98.89	0.86	0	0	0	0.25
2001	267	23	853	361.666	-362.175	D	7.642	7.639	0.004	3.4	97.25	2.53	0	0	0	0.22
2001	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	270	23	967	363.478	-354.116	D	7.696	7.639	0.057	3.4	99.14	0.63	0	0	0	0.23
2001	271	23	955	364.92	-354.582	D	8.045	7.639	0.406	3.4	99.41	0.4	0	0	0	0.19
2001	272	23	822	358.021	-361.607	D	7.655	7.639	0.016	3.4	99.74	0.1	0	0	0	0.15
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2001	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	1017	356.894	-355.206	D	7.528	7.5	0.029	3.1	96.56	3.3	0	0	0	0.14
2001	279	23	822	358.021	-361.607	D	7.506	7.5	0.007	3.1	90.59	8.56	0	0	0	0.85
2001	280	23	930	366.19	-357.232	D	7.542	7.5	0.043	3.1	97.61	2.03	0	0	0	0.37
2001	281	23	949	365.722	-354.966	D	7.514	7.5	0.015	3.1	98.4	1.34	0	0	0	0.26
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.504	7.5	0.005	3.1	96.69	2.99	0	0	0	0.34
2001	285	23	1017	356.894	-355.206	D	7.637	7.5	0.138	3.1	95.49	4.28	0	0	0	0.23
2001	286	23	1008	358.048	-354.775	D	7.503	7.5	0.003	3.1	99.19	0.66	0	0	0	0.15
2001	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	288	23	1017	356.894	-355.206	D	7.502	7.5	0.003	3.1	88.39	11.31	0	0	0	0.32
2001	289	23	78	358.239	-356.385	D	7.584	7.5	0.085	3.1	90.58	9.07	0	0	0	0.35
2001	290	23	602	363.547	-358.397	D	7.628	7.5	0.129	3.1	89.36	9.91	0	0	0	0.73
2001	291	23	949	365.722	-354.966	D	7.516	7.5	0.017	3.1	98.73	1.09	0	0	0	0.18
2001	292	23	1008	358.048	-354.775	D	7.506	7.5	0.006	3.1	94.62	4.51	0	0	0	0.89
2001	293	23	966	363.538	-354.124	D	7.503	7.5	0.004	3.1	96.68	3.05	0	0	0	0.33
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	822	358.021	-361.607	D	7.538	7.5	0.038	3.1	95.59	3.77	0	0	0	0.65
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	78	358.239	-356.385	D	7.524	7.5	0.024	3.1	76.71	21.8	0	0	0	1.5
2001	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	855	361.854	-361.947	D	7.555	7.5	0.056	3.1	95.16	4.62	0	0	0	0.22
2001	308	23	1039	356.522	-357.599	D	7.512	7.5	0.012	3.1	98.5	1.34	0	0	0	0.16
2001	309	23	1017	356.894	-355.206	D	8.099	7.5	**0.6**	3.1	94.24	5.49	0	0	0	0.26
2001	310	23	1035	356.477	-356.792	D	7.84	7.5	0.341	3.1	98.35	1.47	0	0	0	0.18
2001	311	23	933	366.169	-356.524	D	7.727	7.5	0.228	3.1	98.92	0.92	0	0	0	0.15
2001	312	23	932	366.176	-356.761	D	7.545	7.5	0.045	3.1	98.74	0.83	0	0	0	0.44
2001	313	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	96.25	3.47	0	0	0	0.8
2001	314	23	1008	358.048	-354.775	D	7.5	7.5	0	3.1	92.72	6.57	0	0	0	0.69
2001	315	23	967	363.478	-354.116	D	7.634	7.5	0.135	3.1	94.7	4.57	0	0	0	0.74
2001	316	23	1039	356.522	-357.599	D	7.531	7.5	0.032	3.1	97.77	1.79	0	0	0	0.45
2001	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	930	366.19	-357.232	D	7.519	7.5	0.02	3.1	59.53	38.05	0	0	0	2.43
2001	324	23	927	365.912	-357.454	D	7.69	7.5	0.191	3.1	70.67	27.46	0	0	0	1.87
2001	325	23	930	366.19	-357.232	D	7.51	7.5	0.01	3.1	88.66	10.63	0	0	0	0.71
2001	326	23	722	364.711	-356.599	D	7.5	7.5	0	3.1	95.39	2.87	0	0	0	0.41
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	930	366.19	-357.232	D	7.555	7.5	0.055	3.1	66.18	32.51	0	0	0	1.31
2001	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	334	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	90.05	9.6	0	0	0	0.31

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	965	363.588	-354.142	D	7.596	7.593	0.004	3.3	72.16	26.62	0	0	0	1.23
2001	341	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	92.13	7.49	0	0	0	0.4
2001	342	23	1039	356.522	-357.599	D	7.798	7.593	0.206	3.3	89.38	9.95	0	0	0	0.67
2001	343	23	1039	356.522	-357.599	D	7.66	7.593	0.067	3.3	79.83	18.94	0	0	0	1.23
2001	344	23	1017	356.894	-355.206	D	7.613	7.593	0.021	3.3	87.33	12.23	0	0	0	0.45
2001	345	23	1008	358.048	-354.775	D	7.602	7.593	0.009	3.3	90.9	8.8	0	0	0	0.31
2001	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	347	23	949	365.722	-354.966	D	9.565	7.593	**1.972**	3.3	91.72	7.97	0	0	0	0.32
2001	348	23	822	358.021	-361.607	D	8.247	7.593	**0.655**	3.3	91.71	8.05	0	0	0	0.24
2001	349	23	947	365.801	-355.162	D	7.624	7.593	0.031	3.3	97.09	2.78	0	0	0	0.13
2001	350	23	949	365.722	-354.966	D	7.595	7.593	0.003	3.3	96.68	3.27	0	0	0	0.09
2001	351	23	1017	356.894	-355.206	D	7.891	7.593	0.299	3.3	89.52	10.08	0	0	0	0.4
2001	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	353	23	1039	356.522	-357.599	D	7.691	7.593	0.098	3.3	83.44	15.49	0	0	0	1.06
2001	354	23	845	360.851	-362.181	D	7.658	7.593	0.065	3.3	81.28	17.67	0	0	0	1.05
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	927	365.912	-357.454	D	7.77	7.593	0.178	3.3	64.46	33.85	0	0	0	1.69
2001	360	23	927	365.912	-357.454	D	7.75	7.593	0.158	3.3	62.19	36.15	0	0	0	1.66
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	822	358.021	-361.607	D	7.707	7.593	0.115	3.3	72.64	26.15	0	0	0	1.21
2001	364	23	927	365.912	-357.454	D	7.9	7.593	0.308	3.3	67.21	31.5	0	0	0	1.29
2001	365	23	931	366.183	-356.996	D	7.598	7.593	0.005	3.3	72.03	27	0	0	0	0.97
									1.972							
MARSHALL									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2001	2	23	933	366.169	-356.524	D	7.569	7.546	0.022	3.2	82.95	16.62	0	0	0	0.44
2001	3	23	930	366.19	-357.232	D	7.55	7.546	0.004	3.2	85.61	14.1	0	0	0	0.31

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	933	366.169	-356.524	D	7.616	7.546	0.07	3.2	86.17	13.32	0	0	0	0.51
2001	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	9	23	78	358.239	-356.385	D	7.602	7.546	0.055	3.2	71.63	27.67	0	0	0	0.71
2001	10	23	967	363.478	-354.116	D	7.559	7.546	0.013	3.2	80.47	19.26	0	0	0	0.28
2001	11	23	948	365.727	-355.056	D	7.546	7.546	0	3.2	85.58	13.85	0	0	0	0.19
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	17	23	1008	358.048	-354.775	D	7.784	7.546	0.238	3.2	74.19	25.16	0	0	0	0.65
2001	18	23	1017	356.894	-355.206	D	7.616	7.546	0.07	3.2	80.41	19.03	0	0	0	0.57
2001	19	23	930	366.19	-357.232	D	7.557	7.546	0.011	3.2	81.8	17.59	0	0	0	0.61
2001	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	933	366.169	-356.524	D	7.55	7.546	0.004	3.2	62.15	36.68	0	0	0	1.18
2001	25	23	824	358.459	-361.601	D	7.58	7.546	0.034	3.2	46.96	51.09	0	0	0	1.95
2001	26	23	1035	356.477	-356.792	D	7.547	7.546	0.001	3.2	68.57	31	0	0	0	0.51
2001	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	28	23	930	366.19	-357.232	D	7.562	7.546	0.015	3.2	70.55	29.07	0	0	0	0.38
2001	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	973	362.512	-354.246	D	7.406	7.406	0	2.9	85.45	13.13	0	0	0	1.42
2001	38	23	967	363.478	-354.116	D	7.41	7.406	0.005	2.9	75.68	23.45	0	0	0	0.88
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	1017	356.894	-355.206	D	7.436	7.406	0.03	2.9	85.98	13.86	0	0	0	0.17
2001	41	23	949	365.722	-354.966	D	7.413	7.406	0.008	2.9	65.74	33.31	0	0	0	0.97
2001	42	23	1017	356.894	-355.206	D	7.423	7.406	0.017	2.9	67.03	32.33	0	0	0	0.66

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	81.66	22.3	0	0	0	0.33
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1017	356.894	-355.206	D	7.478	7.406	0.072	2.9	86.16	13.41	0	0	0	0.43
2001	46	23	949	365.722	-354.966	D	8.683	7.406	**1.277**	2.9	89.01	10.65	0	0	0	0.34
2001	47	23	930	366.19	-357.232	D	7.582	7.406	0.176	2.9	82.62	16.86	0	0	0	0.52
2001	48	23	930	366.19	-357.232	D	7.506	7.406	0.1	2.9	51.44	47.26	0	0	0	1.3
2001	49	23	933	366.169	-356.524	D	7.45	7.406	0.045	2.9	72.92	26.46	0	0	0	0.62
2001	50	23	930	366.19	-357.232	D	7.417	7.406	0.011	2.9	83.52	16.25	0	0	0	0.24
2001	51	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	93.02	6.74	0	0	0	0.75
2001	52	23	1017	356.894	-355.206	D	7.43	7.406	0.024	2.9	84.96	14.75	0	0	0	0.3
2001	53	23	1017	356.894	-355.206	D	7.42	7.406	0.014	2.9	84.17	15.29	0	0	0	0.57
2001	54	23	1008	358.048	-354.775	D	7.423	7.406	0.017	2.9	79.5	20.03	0	0	0	0.48
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	933	366.169	-356.524	D	7.407	7.406	0.002	2.9	91.52	7.69	0	0	0	0.87
2001	58	23	930	366.19	-357.232	D	7.42	7.406	0.014	2.9	86.44	13.14	0	0	0	0.43
2001	59	23	1035	356.477	-356.792	D	7.41	7.406	0.004	2.9	87.39	12.46	0	0	0	0.2
2001	60	23	1017	356.894	-355.206	D	7.317	7.315	0.002	2.708	90.12	9.68	0	0	0	0.26
2001	61	23	961	364.092	-354.289	D	7.321	7.311	0.011	2.7	88.82	10.97	0	0	0	0.23
2001	62	23	906	364.982	-359.812	D	7.311	7.311	0	2.7	95.25	4.92	0	0	0	0.21
2001	63	23	1017	356.894	-355.206	D	7.435	7.311	0.124	2.7	74.45	24.47	0	0	0	1.08
2001	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	65	23	773	365.4	-355.32	D	7.406	7.311	0.096	2.7	55.2	42.95	0	0	0	1.85
2001	66	23	947	365.801	-355.162	D	7.383	7.311	0.072	2.7	80.07	19.06	0	0	0	0.87
2001	67	23	949	365.722	-354.966	D	7.311	7.311	0.001	2.7	84.15	14.9	0	0	0	0.98
2001	68	23	1041	356.936	-357.592	D	7.351	7.311	0.04	2.7	50.95	47.04	0	0	0	2.01
2001	69	23	1017	356.894	-355.206	D	7.335	7.311	0.024	2.7	81.87	17.33	0	0	0	0.81
2001	70	23	643	363.609	-354.151	D	7.312	7.311	0.001	2.7	93.45	6.17	0	0	0	0.46
2001	71	23	594	363.123	-354.422	D	7.311	7.311	0	2.7	93.51	5.47	0	0	0	0.29
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	90.74	10.81	0	0	0	0.11
2001	75	23	1017	356.894	-355.206	D	7.406	7.311	0.095	2.7	91.03	8.65	0	0	0	0.33
2001	76	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	83.95	15.17	0	0	0	0.93
2001	77	23	1039	356.522	-357.599	D	7.354	7.311	0.043	2.7	82.98	16.3	0	0	0	0.73
2001	78	23	1039	356.522	-357.599	D	7.311	7.311	0	2.7	92.09	8.1	0	0	0	0.53
2001	79	23	1038	356.511	-357.396	D	7.311	7.311	0.001	2.7	91.06	8.61	0	0	0	0.43
2001	80	23	1035	356.477	-356.792	D	7.336	7.311	0.025	2.7	91.39	7.77	0	0	0	0.85
2001	81	23	1017	356.894	-355.206	D	7.341	7.311	0.03	2.7	94.81	4.63	0	0	0	0.57

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	82	23	1017	356.894	-355.206	D	7.314	7.311	0.003	2.7	94.31	5.39	0	0	0	0.32
2001	83	23	1017	356.894	-355.206	D	7.369	7.311	0.058	2.7	90.05	9.63	0	0	0	0.32
2001	84	23	907	365.051	-359.809	D	7.445	7.311	0.134	2.7	55.33	43.12	0	0	0	1.56
2001	85	23	933	366.169	-356.524	D	7.382	7.311	0.071	2.7	49.48	48.9	0	0	0	1.62
2001	86	23	930	366.19	-357.232	D	7.318	7.311	0.007	2.7	87.66	11.81	0	0	0	0.56
2001	87	23	941	365.977	-355.774	D	7.332	7.311	0.021	2.7	88.19	11.44	0	0	0	0.37
2001	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	7.345	7.311	0.035	2.7	96.72	2.79	0	0	0	0.49
2001	106	23	907	365.051	-359.809	D	7.334	7.311	0.023	2.7	76.81	20.97	0	0	0	2.23
2001	107	23	933	366.169	-356.524	D	7.324	7.311	0.014	2.7	81.05	18.19	0	0	0	0.78
2001	108	23	933	366.169	-356.524	D	7.353	7.311	0.042	2.7	82.57	16.58	0	0	0	0.85
2001	109	23	907	365.051	-359.809	D	7.311	7.311	0	2.7	98.64	1	0	0	0	0.23
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	949	365.722	-354.966	D	7.313	7.311	0.003	2.7	97.59	1.64	0	0	0	0.81
2001	115	23	930	366.19	-357.232	D	7.319	7.311	0.009	2.7	97.53	1.87	0	0	0	0.6
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	642	363.62	-354.4	D	7.311	7.311	0	2.7	99.59	0.52	0	0	0	0.26
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	128	23	930	366.19	-357.232	D	7.601	7.593	0.008	3.3	96.97	2.36	0	0	0	0.68
2001	129	23	907	365.051	-359.809	D	7.61	7.593	0.017	3.3	99.09	0.61	0	0	0	0.29
2001	130	23	930	366.19	-357.232	D	7.6	7.593	0.007	3.3	99.6	0.2	0	0	0	0.2
2001	131	23	476	361.894	-354.726	D	7.593	7.593	0	3.3	86.64	0.03	0	0	0	0.13
2001	132	23	930	366.19	-357.232	D	7.626	7.593	0.033	3.3	72.6	26.5	0	0	0	0.9
2001	133	23	1039	356.522	-357.599	D	7.609	7.593	0.017	3.3	99.47	0.27	0	0	0	0.27
2001	134	23	947	365.801	-355.162	D	7.598	7.593	0.005	3.3	99.66	0.16	0	0	0	0.2
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1035	356.477	-356.792	D	7.606	7.593	0.013	3.3	95.29	4.45	0	0	0	0.26
2001	139	23	833	359.603	-362.066	D	7.728	7.593	0.135	3.3	96.79	2.83	0	0	0	0.38
2001	140	23	1035	356.477	-356.792	D	7.639	7.593	0.046	3.3	99.06	0.47	0	0	0	0.47
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	73.6	0.23	0	0	0	0.16
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	99.51	0.11	0	0	0	0.36
2001	149	23	933	366.169	-356.524	D	7.671	7.593	0.079	3.3	99.29	0.47	0	0	0	0.24
2001	150	23	949	365.722	-354.966	D	7.62	7.593	0.027	3.3	99.18	0.65	0	0	0	0.17
2001	151	23	1008	358.048	-354.775	D	7.641	7.593	0.048	3.3	98.28	1.54	0	0	0	0.19
2001	152	23	930	366.19	-357.232	D	7.594	7.593	0.002	3.3	99.41	0.41	0	0	0	0.15
2001	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	967	363.478	-354.116	D	7.724	7.593	0.132	3.3	99.63	0.18	0	0	0	0.19
2001	159	23	822	358.021	-361.607	D	7.78	7.593	0.187	3.3	99.42	0.4	0	0	0	0.17

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	160	23	1017	356.894	-355.206	D	7.713	7.593	0.12	3.3	99.25	0.52	0	0	0	0.24
2001	161	23	1017	356.894	-355.206	D	7.708	7.593	0.115	3.3	99.59	0.24	0	0	0	0.17
2001	162	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.83	0.07	0	0	0	0.1
2001	163	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	100	0.03	0	0	0	0.08
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	169	23	931	366.183	-356.996	D	7.594	7.593	0.002	3.3	99.69	0.04	0	0	0	0.22
2001	170	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	98.5	0.02	0	0	0	0.17
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	1017	356.894	-355.206	D	7.694	7.593	0.102	3.3	98.67	1.13	0	0	0	0.2
2001	173	23	907	365.051	-359.809	D	7.642	7.593	0.049	3.3	96.56	2.42	0	0	0	1.03
2001	174	23	783	365.659	-355.558	D	7.603	7.593	0.011	3.3	98.41	0.93	0	0	0	0.66
2001	175	23	930	366.19	-357.232	D	7.598	7.593	0.006	3.3	99.47	0.21	0	0	0	0.33
2001	176	23	930	366.19	-357.232	D	7.596	7.593	0.004	3.3	99.67	0.14	0	0	0	0.2
2001	177	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	99.69	0.15	0	0	0	0.16
2001	178	23	10	356.954	-355.443	D	7.594	7.593	0.002	3.3	99.77	0.1	0	0	0	0.14
2001	179	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	99.41	0.41	0	0	0	0.13
2001	180	23	62	357.925	-354.901	D	7.593	7.593	0	3.3	99.56	0.05	0	0	0	0.12
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	7.617	7.593	0.025	3.3	99.36	0.38	0	0	0	0.27
2001	183	23	1017	356.894	-355.206	D	7.76	7.593	0.168	3.3	98.67	1.07	0	0	0	0.26
2001	184	23	964	363.678	-354.148	D	7.602	7.593	0.009	3.3	99.8	0.07	0	0	0	0.14
2001	185	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	99.39	0.04	0	0	0	0.12
2001	186	23	955	364.92	-354.582	D	7.599	7.593	0.006	3.3	99.6	0.06	0	0	0	0.36
2001	187	23	930	366.19	-357.232	D	7.667	7.593	0.074	3.3	99.63	0.12	0	0	0	0.26
2001	188	23	930	366.19	-357.232	D	7.609	7.593	0.016	3.3	99.8	0.05	0	0	0	0.16
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	949	365.722	-354.966	D	7.636	7.593	0.043	3.3	98.88	0.76	0	0	0	0.36
2001	192	23	967	363.478	-354.116	D	7.965	7.593	0.372	3.3	99.38	0.34	0	0	0	0.28
2001	193	23	811	357.434	-360.225	D	7.698	7.593	0.106	3.3	99.4	0.42	0	0	0	0.18
2001	194	23	932	366.176	-356.761	D	7.654	7.593	0.061	3.3	99.53	0.34	0	0	0	0.13
2001	195	23	822	358.021	-361.607	D	7.6	7.593	0.007	3.3	99.88	0.03	0	0	0	0.11
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	98.87	0.02	0	0	0	0.12
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	202	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	99.8	0.03	0	0	0	0.18
2001	203	23	933	366.169	-356.524	D	7.601	7.593	0.008	3.3	99.42	0.43	0	0	0	0.15
2001	204	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	97.85	0.32	0	0	0	0.12
2001	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	207	23	964	363.678	-354.148	D	7.628	7.593	0.035	3.3	99.73	0.12	0	0	0	0.16
2001	208	23	967	363.478	-354.116	D	7.644	7.593	0.051	3.3	99.24	0.63	0	0	0	0.13
2001	209	23	949	365.722	-354.966	D	7.606	7.593	0.014	3.3	99.26	0.63	0	0	0	0.12
2001	210	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	99.62	0.27	0	0	0	0.12
2001	211	23	949	365.722	-354.966	D	7.63	7.593	0.038	3.3	99.76	0.12	0	0	0	0.12
2001	212	23	949	365.722	-354.966	D	7.639	7.593	0.046	3.3	99.83	0.04	0	0	0	0.13
2001	213	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	99.88	0.02	0	0	0	0.11
2001	214	23	948	365.727	-355.056	D	7.593	7.593	0.001	3.3	99.89	0.04	0	0	0	0.1
2001	215	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	98.81	0.03	0	0	0	0.1
2001	216	23	1017	356.894	-355.206	D	7.893	7.593	0.3	3.3	99.36	0.36	0	0	0	0.28
2001	217	23	822	358.021	-361.607	D	7.604	7.593	0.012	3.3	99.72	0.07	0	0	0	0.21
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.97	0.01	0	0	0	0.18
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	811	357.434	-360.225	D	7.869	7.593	0.276	3.3	99.29	0.28	0	0	0	0.43
2001	223	23	853	361.666	-362.175	D	7.873	7.593	0.28	3.3	96.87	2.89	0	0	0	0.24
2001	224	23	1035	356.477	-356.792	D	7.758	7.593	0.165	3.3	99.39	0.26	0	0	0	0.35
2001	225	23	822	358.021	-361.607	D	7.62	7.593	0.027	3.3	99.26	0.48	0	0	0	0.26
2001	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	931	366.183	-356.996	D	7.593	7.593	0	3.3	91.6	5.64	0	0	0	3.02
2001	232	23	949	365.722	-354.966	D	7.703	7.593	0.11	3.3	99.12	0.53	0	0	0	0.36
2001	233	23	949	365.722	-354.966	D	7.599	7.593	0.007	3.3	99.68	0.09	0	0	0	0.24
2001	234	23	85	358.706	-361.357	D	7.593	7.593	0	3.3	85.4	0.02	0	0	0	0.18
2001	235	23	301	360.724	-362.017	D	7.593	7.593	0	3.3	99.86	0.06	0	0	0	0.17
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	238	23	964	363.678	-354.148	D	7.648	7.593	0.055	3.3	96.73	2.67	0	0	0	0.6
2001	239	23	844	360.75	-362.146	D	7.901	7.593	0.308	3.3	98.89	0.8	0	0	0	0.3
2001	240	23	822	358.021	-361.607	D	7.729	7.593	0.136	3.3	99.52	0.26	0	0	0	0.22
2001	241	23	1035	356.477	-356.792	D	7.705	7.593	0.113	3.3	99.65	0.16	0	0	0	0.19
2001	242	23	949	365.722	-354.966	D	7.655	7.593	0.062	3.3	99.2	0.65	0	0	0	0.15
2001	243	23	949	365.722	-354.966	D	7.598	7.593	0.006	3.3	99.52	0.35	0	0	0	0.13
2001	244	23	1017	356.894	-355.206	D	7.682	7.637	0.045	3.396	98.59	1.15	0	0	0	0.25
2001	245	23	1017	356.894	-355.206	D	7.669	7.639	0.031	3.4	99.08	0.75	0	0	0	0.17
2001	246	23	1017	356.894	-355.206	D	7.651	7.639	0.012	3.4	99.73	0.13	0	0	0	0.15
2001	247	23	1008	358.048	-354.775	D	7.668	7.639	0.029	3.4	99.73	0.12	0	0	0	0.16
2001	248	23	967	363.478	-354.116	D	7.686	7.639	0.047	3.4	99.35	0.45	0	0	0	0.19
2001	249	23	966	363.538	-354.124	D	7.649	7.639	0.01	3.4	99.72	0.12	0	0	0	0.16
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	253	23	907	365.051	-359.809	D	7.64	7.639	0.002	3.4	99.08	0.34	0	0	0	0.56
2001	254	23	962	363.961	-354.255	D	7.645	7.639	0.006	3.4	98.68	0.91	0	0	0	0.4
2001	255	23	949	365.722	-354.966	D	7.666	7.639	0.027	3.4	99	0.72	0	0	0	0.28
2001	256	23	949	365.722	-354.966	D	7.696	7.639	0.057	3.4	99.5	0.29	0	0	0	0.21
2001	257	23	1008	358.048	-354.775	D	7.707	7.639	0.068	3.4	99.22	0.58	0	0	0	0.2
2001	258	23	1037	356.5	-357.195	D	7.649	7.639	0.01	3.4	99.67	0.16	0	0	0	0.17
2001	259	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.26	0.52	0	0	0	0.15
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	90.98	0.35	0	0	0	0.14
2001	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	76.64	2.64	0	0	0	0.15
2001	262	23	967	363.478	-354.116	D	7.814	7.639	0.175	3.4	93.61	6.22	0	0	0	0.18
2001	263	23	710	364.843	-359.589	D	7.639	7.639	0	3.4	97.22	0.1	0	0	0	0.16
2001	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	265	23	907	365.051	-359.809	D	7.683	7.639	0.044	3.4	93.49	5.59	0	0	0	0.93
2001	266	23	853	361.666	-362.175	D	7.678	7.639	0.039	3.4	98.5	1.2	0	0	0	0.3
2001	267	23	824	358.459	-361.601	D	7.687	7.639	0.048	3.4	77.72	21.13	0	0	0	1.15
2001	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	269	23	1017	356.894	-355.206	D	7.867	7.639	0.228	3.4	95.3	4.27	0	0	0	0.43
2001	270	23	947	365.801	-355.162	D	7.971	7.639	0.332	3.4	98.36	1.35	0	0	0	0.29
2001	271	23	853	361.666	-362.175	D	7.858	7.639	0.219	3.4	98.86	0.85	0	0	0	0.29
2001	272	23	822	358.021	-361.607	D	7.652	7.639	0.013	3.4	99.46	0.32	0	0	0	0.22
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.513	7.505	0.007	3.112	98.64	1.11	0	0	0	0.27
2001	275	23	949	365.722	-354.966	D	7.503	7.5	0.004	3.1	99.1	0.72	0	0	0	0.18
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	1035	356.477	-356.792	D	7.519	7.5	0.02	3.1	90.57	9.13	0	0	0	0.31
2001	279	23	931	366.183	-356.996	D	7.515	7.5	0.015	3.1	69.18	29.52	0	0	0	1.31
2001	280	23	930	366.19	-357.232	D	7.507	7.5	0.008	3.1	97.75	1.77	0	0	0	0.49
2001	281	23	941	365.977	-355.774	D	7.515	7.5	0.016	3.1	95.56	4.1	0	0	0	0.35
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.511	7.5	0.011	3.1	90.52	9.03	0	0	0	0.45
2001	285	23	1017	356.894	-355.206	D	7.727	7.5	0.227	3.1	87.02	12.64	0	0	0	0.34
2001	286	23	1017	356.894	-355.206	D	7.514	7.5	0.015	3.1	97.31	2.44	0	0	0	0.25
2001	287	23	930	366.19	-357.232	D	7.516	7.5	0.016	3.1	93.82	6	0	0	0	0.19
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	1039	356.522	-357.599	D	7.59	7.5	0.091	3.1	85.32	14.37	0	0	0	0.31
2001	290	23	932	366.176	-356.761	D	7.503	7.5	0.004	3.1	84.71	14.49	0	0	0	0.86
2001	291	23	930	366.19	-357.232	D	7.505	7.5	0.006	3.1	95.31	4.47	0	0	0	0.22
2001	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	990	360.933	-355.487	D	7.619	7.5	0.119	3.1	69.77	28.74	0	0	0	1.49
2001	301	23	1017	356.894	-355.206	D	7.575	7.5	0.075	3.1	86.6	12.79	0	0	0	0.61
2001	302	23	3	356.524	-356.959	D	7.5	7.5	0	3.1	91.75	1.63	0	0	0	0.16
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	963	363.809	-354.192	D	7.566	7.5	0.066	3.1	86.19	13.47	0	0	0	0.34
2001	308	23	967	363.478	-354.116	D	7.521	7.5	0.022	3.1	97.4	2.33	0	0	0	0.27
2001	309	23	933	366.169	-356.524	D	7.913	7.5	0.413	3.1	92.38	7.28	0	0	0	0.35
2001	310	23	822	358.021	-361.607	D	7.705	7.5	0.206	3.1	96.52	3.24	0	0	0	0.25
2001	311	23	930	366.19	-357.232	D	7.588	7.5	0.089	3.1	98.51	1.29	0	0	0	0.2
2001	312	23	949	365.722	-354.966	D	7.535	7.5	0.035	3.1	96.5	2.63	0	0	0	0.87
2001	313	23	1039	356.522	-357.599	D	7.526	7.5	0.026	3.1	84.47	14.38	0	0	0	1.15
2001	314	23	907	365.051	-359.809	D	7.512	7.5	0.012	3.1	93.05	6.25	0	0	0	0.7
2001	315	23	963	363.809	-354.192	D	7.579	7.5	0.079	3.1	87.15	11.7	0	0	0	1.15

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	316	23	1039	356.522	-357.599	D	7.517	7.5	0.018	3.1	95.03	4.31	0	0	0	0.67
2001	317	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	98.05	1.05	0	0	0	0.41
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	326	23	748	365.295	-358.57	D	7.5	7.5	0	3.1	89.38	7.37	0	0	0	0.62
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	1039	356.522	-357.599	D	7.575	7.5	0.075	3.1	56.83	41.99	0	0	0	1.17
2001	333	23	1035	356.477	-356.792	D	7.5	7.5	0	3.1	77.15	22.43	0	0	0	0.41
2001	334	23	822	358.021	-361.607	D	7.65	7.5	0.151	3.1	79.39	19.99	0	0	0	0.62
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	92.16	7.39	0	0	0	0.44
2001	342	23	986	360.908	-354.689	D	7.694	7.593	0.101	3.3	80.08	19.28	0	0	0	0.64
2001	343	23	931	366.183	-356.996	D	7.62	7.593	0.028	3.3	55.66	42.8	0	0	0	1.54
2001	344	23	930	366.19	-357.232	D	7.618	7.593	0.026	3.3	70.96	28.35	0	0	0	0.69
2001	345	23	931	366.183	-356.996	D	7.6	7.593	0.008	3.3	80.6	18.99	0	0	0	0.42
2001	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	347	23	949	365.722	-354.966	D	7.666	7.593	0.073	3.3	91.29	8.45	0	0	0	0.26
2001	348	23	933	366.169	-356.524	D	7.803	7.593	0.21	3.3	89.65	10.14	0	0	0	0.21
2001	349	23	933	366.169	-356.524	D	7.599	7.593	0.006	3.3	96.03	3.79	0	0	0	0.18
2001	350	23	949	365.722	-354.966	D	7.604	7.593	0.011	3.3	93.6	6.27	0	0	0	0.13
2001	351	23	986	360.908	-354.689	D	7.735	7.593	0.142	3.3	73.64	25.64	0	0	0	0.72
2001	352	23	191	359.732	-362.061	D	7.593	7.593	0	3.3	92.87	3.73	0	0	0	0.05
2001	353	23	949	365.722	-354.966	D	7.624	7.593	0.032	3.3	52.9	45.16	0	0	0	1.94
2001	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	929	366.032	-357.239	D	7.593	7.593	0	3.3	47.99	48.49	0	0	0	1.48
2001	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									1.277							
COLUMBIA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2001	2	23	932	366.176	-356.761	D	7.548	7.546	0.002	3.2	66.89	33.14	0	0	0	0
2001	3	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	70.48	29.62	0	0	0	0
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	9	23	931	366.183	-356.996	D	7.561	7.546	0.015	3.2	50.95	49.06	0	0	0	0
2001	10	23	933	366.169	-356.524	D	7.559	7.546	0.012	3.2	57.34	42.68	0	0	0	0
2001	11	23	643	363.609	-354.151	D	7.547	7.546	0.001	3.2	65.75	34.3	0	0	0	0
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	81.68	29.76	0	0	0	0
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	17	23	78	358.239	-356.385	D	7.735	7.546	0.189	3.2	51.43	48.57	0	0	0	0
2001	18	23	1017	356.894	-355.206	D	7.654	7.546	0.108	3.2	62.77	37.23	0	0	0	0
2001	19	23	907	365.051	-359.809	D	7.549	7.546	0.003	3.2	76.42	23.57	0	0	0	0
2001	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	25	23	927	365.912	-357.454	D	7.583	7.546	0.036	3.2	33.67	66.34	0	0	0	0
2001	26	23	1035	356.477	-356.792	D	7.55	7.546	0.003	3.2	49.6	50.4	0	0	0	0
2001	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	28	23	930	366.19	-357.232	D	7.554	7.546	0.008	3.2	59.52	40.51	0	0	0	0
2001	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	38	23	966	363.538	-354.124	D	7.406	7.406	0.001	2.9	66.06	34.17	0	0	0	0
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	967	363.478	-354.116	D	7.407	7.406	0.001	2.9	72.16	27.93	0	0	0	0
2001	41	23	784	365.648	-355.309	D	7.406	7.406	0	2.9	55.28	44.59	0	0	0	0
2001	42	23	955	364.92	-354.582	D	7.421	7.406	0.015	2.9	54.48	45.54	0	0	0	0
2001	43	23	1008	358.048	-354.775	D	7.406	7.406	0	2.9	65.35	34.58	0	0	0	0
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	967	363.478	-354.116	D	7.416	7.406	0.01	2.9	77.28	22.72	0	0	0	0
2001	46	23	947	365.801	-355.162	D	7.571	7.406	0.165	2.9	81.48	18.52	0	0	0	0
2001	47	23	907	365.051	-359.809	D	7.413	7.406	0.007	2.9	85.07	14.97	0	0	0	0
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	75.76	24.39	0	0	0	0
2001	50	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	77.05	23.12	0	0	0	0
2001	51	23	1017	356.894	-355.206	D	7.406	7.406	0	2.9	89.39	11.24	0	0	0	0
2001	52	23	1038	356.511	-357.396	D	7.408	7.406	0.002	2.9	73.8	26.32	0	0	0	0
2001	53	23	1017	356.894	-355.206	D	7.412	7.406	0.006	2.9	74.32	25.72	0	0	0	0
2001	54	23	955	364.92	-354.582	D	7.422	7.406	0.017	2.9	66.86	33.16	0	0	0	0
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	88.01	12.06	0	0	0	0
2001	58	23	907	365.051	-359.809	D	7.413	7.406	0.007	2.9	75.56	24.49	0	0	0	0
2001	59	23	1035	356.477	-356.792	D	7.409	7.406	0.003	2.9	75.5	24.58	0	0	0	0
2001	60	23	1017	356.894	-355.206	D	7.316	7.315	0.002	2.708	81.84	18.26	0	0	0	0
2001	61	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	81.48	18.54	0	0	0	0
2001	62	23	407	361.716	-361.973	D	7.311	7.311	0	2.7	92.71	8.05	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	63	23	78	358.239	-356.385	D	7.423	7.311	0.113	2.7	56.67	43.33	0	0	0	0
2001	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	68	23	930	366.19	-357.232	D	7.32	7.311	0.009	2.7	50.72	49.3	0	0	0	0
2001	69	23	930	366.19	-357.232	D	7.315	7.311	0.004	2.7	75.37	24.66	0	0	0	0
2001	70	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	85.2	14.83	0	0	0	0
2001	71	23	948	365.727	-355.056	D	7.311	7.311	0	2.7	87.19	9.56	0	0	0	0
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	83.69	19.99	0	0	0	0
2001	75	23	967	363.478	-354.116	D	7.436	7.311	0.125	2.7	82.72	17.28	0	0	0	0
2001	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	77	23	930	366.19	-357.232	D	7.34	7.311	0.029	2.7	59.83	40.18	0	0	0	0
2001	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	80.85	19.94	0	0	0	0
2001	79	23	1035	356.477	-356.792	D	7.313	7.311	0.003	2.7	70.1	29.96	0	0	0	0
2001	80	23	1038	356.511	-357.396	D	7.342	7.311	0.032	2.7	66.13	33.88	0	0	0	0
2001	81	23	930	366.19	-357.232	D	7.332	7.311	0.021	2.7	89.5	10.51	0	0	0	0
2001	82	23	930	366.19	-357.232	D	7.329	7.311	0.018	2.7	90.13	9.88	0	0	0	0
2001	83	23	1017	356.894	-355.206	D	7.349	7.311	0.039	2.7	68.84	31.16	0	0	0	0
2001	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	86	23	853	361.666	-362.175	D	7.311	7.311	0	2.7	89.49	6.85	0	0	0	0
2001	87	23	930	366.19	-357.232	D	7.319	7.311	0.009	2.7	80.16	19.85	0	0	0	0
2001	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	96.28	3.78	0	0	0	0
2001	106	23	929	366.032	-357.239	D	7.311	7.311	0	2.7	96.05	1.62	0	0	0	0
2001	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	784	365.648	-355.309	D	7.311	7.311	0	2.7	63.02	0.94	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	129	23	907	365.051	-359.809	D	7.593	7.593	0	3.3	98.67	1.38	0	0	0	0
2001	130	23	907	365.051	-359.809	D	7.593	7.593	0	3.3	99.61	0.44	0	0	0	0
2001	131	23	634	363.707	-356.393	D	7.593	7.593	0	3.3	69.66	0.05	0	0	0	0
2001	132	23	1017	356.894	-355.206	D	7.621	7.593	0.028	3.3	83.47	16.54	0	0	0	0
2001	133	23	961	364.092	-354.289	D	7.688	7.593	0.096	3.3	98.24	1.76	0	0	0	0
2001	134	23	933	366.169	-356.524	D	7.596	7.593	0.004	3.3	99.65	0.36	0	0	0	0
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1017	356.894	-355.206	D	7.607	7.593	0.015	3.3	87.37	12.63	0	0	0	0
2001	139	23	949	365.722	-354.966	D	7.721	7.593	0.128	3.3	86.26	13.74	0	0	0	0
2001	140	23	955	364.92	-354.582	D	7.614	7.593	0.022	3.3	99.35	0.66	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	97.39	0.22	0	0	0	0
2001	149	23	930	366.19	-357.232	D	7.612	7.593	0.019	3.3	99.03	0.98	0	0	0	0
2001	150	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.29	0.75	0	0	0	0
2001	151	23	1017	356.894	-355.206	D	7.627	7.593	0.034	3.3	97.99	2.01	0	0	0	0
2001	152	23	907	365.051	-359.809	D	7.599	7.593	0.007	3.3	98.88	1.13	0	0	0	0
2001	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.633	7.593	0.041	3.3	99.76	0.25	0	0	0	0
2001	159	23	1017	356.894	-355.206	D	7.755	7.593	0.162	3.3	98.25	1.75	0	0	0	0
2001	160	23	1017	356.894	-355.206	D	7.656	7.593	0.063	3.3	99.16	0.84	0	0	0	0
2001	161	23	1017	356.894	-355.206	D	7.639	7.593	0.046	3.3	99.63	0.37	0	0	0	0
2001	162	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.93	0.12	0	0	0	0
2001	163	23	709	364.375	-354.616	D	7.593	7.593	0	3.3	98.4	0.04	0	0	0	0
2001	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	169	23	933	366.169	-356.524	D	7.594	7.593	0.002	3.3	99.9	0.08	0	0	0	0
2001	170	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	98.43	0.05	0	0	0	0
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	961	364.092	-354.289	D	7.649	7.593	0.056	3.3	97.67	2.33	0	0	0	0
2001	173	23	907	365.051	-359.809	D	7.594	7.593	0.001	3.3	99.31	0.7	0	0	0	0
2001	174	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	99.73	0.28	0	0	0	0
2001	175	23	933	366.169	-356.524	D	7.608	7.593	0.015	3.3	99.56	0.45	0	0	0	0
2001	176	23	947	365.801	-355.162	D	7.614	7.593	0.021	3.3	99.67	0.33	0	0	0	0
2001	177	23	643	363.609	-354.151	D	7.608	7.593	0.015	3.3	99.74	0.26	0	0	0	0
2001	178	23	1009	357.941	-354.82	D	7.599	7.593	0.006	3.3	99.76	0.23	0	0	0	0
2001	179	23	643	363.609	-354.151	D	7.596	7.593	0.003	3.3	99.31	0.69	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	180	23	61	357.936	-355.15	D	7.593	7.593	0	3.3	99.8	0.16	0	0	0	0
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1017	356.894	-355.206	D	7.649	7.593	0.056	3.3	98.25	1.75	0	0	0	0
2001	183	23	964	363.678	-354.148	D	7.802	7.593	0.209	3.3	96.17	3.83	0	0	0	0
2001	184	23	966	363.538	-354.124	D	7.61	7.593	0.017	3.3	99.81	0.2	0	0	0	0
2001	185	23	783	365.659	-355.558	D	7.593	7.593	0	3.3	98.87	0.06	0	0	0	0
2001	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	187	23	949	365.722	-354.966	D	7.678	7.593	0.085	3.3	99.7	0.3	0	0	0	0
2001	188	23	941	365.977	-355.774	D	7.597	7.593	0.004	3.3	99.91	0.11	0	0	0	0
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	97.78	0.17	0	0	0	0
2001	192	23	930	366.19	-357.232	D	7.656	7.593	0.063	3.3	99.14	0.86	0	0	0	0
2001	193	23	907	365.051	-359.809	D	7.665	7.593	0.072	3.3	99.38	0.62	0	0	0	0
2001	194	23	907	365.051	-359.809	D	7.655	7.593	0.063	3.3	98.52	1.48	0	0	0	0
2001	195	23	822	358.021	-361.607	D	7.595	7.593	0.002	3.3	99.98	0.06	0	0	0	0
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	99.12	0.07	0	0	0	0
2001	202	23	932	366.176	-356.761	D	7.6	7.593	0.007	3.3	99.42	0.58	0	0	0	0
2001	203	23	930	366.19	-357.232	D	7.613	7.593	0.02	3.3	99.71	0.3	0	0	0	0
2001	204	23	930	366.19	-357.232	D	7.606	7.593	0.014	3.3	99.68	0.33	0	0	0	0
2001	205	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.88	0.13	0	0	0	0
2001	206	23	948	365.727	-355.056	D	7.596	7.593	0.004	3.3	99.59	0.41	0	0	0	0
2001	207	23	949	365.722	-354.966	D	7.599	7.593	0.006	3.3	99.73	0.29	0	0	0	0
2001	208	23	949	365.722	-354.966	D	7.703	7.593	0.11	3.3	97.98	2.02	0	0	0	0
2001	209	23	933	366.169	-356.524	D	7.644	7.593	0.051	3.3	97.9	2.11	0	0	0	0
2001	210	23	949	365.722	-354.966	D	7.601	7.593	0.008	3.3	99.49	0.52	0	0	0	0
2001	211	23	949	365.722	-354.966	D	7.608	7.593	0.015	3.3	99.82	0.19	0	0	0	0
2001	212	23	949	365.722	-354.966	D	7.613	7.593	0.02	3.3	99.93	0.07	0	0	0	0
2001	213	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	99.88	0.13	0	0	0	0
2001	214	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	100.02	0.08	0	0	0	0
2001	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	85.61	0.02	0	0	0	0
2001	216	23	949	365.722	-354.966	D	7.622	7.593	0.03	3.3	98.73	1.28	0	0	0	0
2001	217	23	1036	356.488	-356.993	D	7.596	7.593	0.003	3.3	99.74	0.24	0	0	0	0
2001	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	97.67	0.02	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	949	365.722	-354.966	D	7.614	7.593	0.021	3.3	99.51	0.49	0	0	0	0
2001	223	23	949	365.722	-354.966	D	7.829	7.593	0.236	3.3	97.52	2.48	0	0	0	0
2001	224	23	822	358.021	-361.607	D	7.784	7.593	0.191	3.3	99.39	0.62	0	0	0	0
2001	225	23	1017	356.894	-355.206	D	7.686	7.593	0.094	3.3	98.82	1.18	0	0	0	0
2001	226	23	907	365.051	-359.809	D	7.692	7.593	0.099	3.3	98.29	1.71	0	0	0	0
2001	227	23	1017	356.894	-355.206	D	7.615	7.593	0.022	3.3	99.57	0.44	0	0	0	0
2001	228	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.79	0.09	0	0	0	0
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	232	23	947	365.801	-355.162	D	7.594	7.593	0.002	3.3	98.49	1.57	0	0	0	0
2001	233	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	99.82	0.17	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	191	359.732	-362.061	D	7.593	7.593	0	3.3	98.43	0.1	0	0	0	0
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	239	23	955	364.92	-354.582	D	7.735	7.593	0.142	3.3	97.93	2.07	0	0	0	0
2001	240	23	907	365.051	-359.809	D	7.742	7.593	0.15	3.3	99.54	0.46	0	0	0	0
2001	241	23	822	358.021	-361.607	D	7.662	7.593	0.07	3.3	99.68	0.32	0	0	0	0
2001	242	23	1017	356.894	-355.206	D	7.63	7.593	0.037	3.3	99.17	0.83	0	0	0	0
2001	243	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	99.29	0.71	0	0	0	0
2001	244	23	966	363.538	-354.124	D	7.686	7.637	0.049	3.396	98.14	1.86	0	0	0	0
2001	245	23	1035	356.477	-356.792	D	7.674	7.639	0.035	3.4	98.3	1.7	0	0	0	0
2001	246	23	1017	356.894	-355.206	D	7.645	7.639	0.006	3.4	99.77	0.24	0	0	0	0
2001	247	23	967	363.478	-354.116	D	7.664	7.639	0.025	3.4	99.8	0.2	0	0	0	0
2001	248	23	967	363.478	-354.116	D	7.674	7.639	0.035	3.4	99.2	0.8	0	0	0	0
2001	249	23	964	363.678	-354.148	D	7.645	7.639	0.006	3.4	99.8	0.2	0	0	0	0
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	254	23	949	365.722	-354.966	D	7.647	7.639	0.008	3.4	97.37	2.64	0	0	0	0
2001	255	23	2	356.535	-357.209	D	7.64	7.639	0.001	3.4	99.44	0.67	0	0	0	0
2001	256	23	643	363.609	-354.151	D	7.64	7.639	0.001	3.4	99.75	0.3	0	0	0	0
2001	257	23	965	363.588	-354.142	D	7.673	7.639	0.034	3.4	98.23	1.78	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	258	23	1035	356.477	-356.792	D	7.644	7.639	0.005	3.4	99.78	0.22	0	0	0	0
2001	259	23	10	356.954	-355.443	D	7.639	7.639	0	3.4	99.64	1.16	0	0	0	0
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	262	23	949	365.722	-354.966	D	7.647	7.639	0.009	3.4	90.95	9.07	0	0	0	0
2001	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	265	23	930	366.19	-357.232	D	7.644	7.639	0.005	3.4	98.16	1.87	0	0	0	0
2001	266	23	907	365.051	-359.809	D	7.644	7.639	0.005	3.4	98.13	1.88	0	0	0	0
2001	267	23	930	366.19	-357.232	D	7.676	7.639	0.037	3.4	78.88	21.12	0	0	0	0
2001	268	23	930	366.19	-357.232	D	7.655	7.639	0.017	3.4	80.93	19.07	0	0	0	0
2001	269	23	907	365.051	-359.809	D	7.719	7.639	0.081	3.4	90.04	9.96	0	0	0	0
2001	270	23	853	361.666	-362.175	D	7.692	7.639	0.054	3.4	97.76	2.24	0	0	0	0
2001	271	23	822	358.021	-361.607	D	7.681	7.639	0.043	3.4	98.32	1.69	0	0	0	0
2001	272	23	822	358.021	-361.607	D	7.64	7.639	0.001	3.4	99.62	0.48	0	0	0	0
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	1008	358.048	-354.775	D	7.522	7.505	0.017	3.112	97.22	2.78	0	0	0	0
2001	275	23	949	365.722	-354.966	D	7.508	7.5	0.008	3.1	98.81	1.19	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	278	23	930	366.19	-357.232	D	7.555	7.5	0.055	3.1	80.87	19.13	0	0	0	0
2001	279	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	70.29	29.78	0	0	0	0
2001	280	23	907	365.051	-359.809	D	7.501	7.5	0.002	3.1	97.84	2.26	0	0	0	0
2001	281	23	930	366.19	-357.232	D	7.513	7.5	0.013	3.1	92.39	7.63	0	0	0	0
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	81.8	18.28	0	0	0	0
2001	285	23	1008	358.048	-354.775	D	7.592	7.5	0.093	3.1	78.17	21.83	0	0	0	0
2001	286	23	1017	356.894	-355.206	D	7.513	7.5	0.013	3.1	97.32	2.69	0	0	0	0
2001	287	23	907	365.051	-359.809	D	7.513	7.5	0.014	3.1	93.44	6.57	0	0	0	0
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	947	365.801	-355.162	D	7.5	7.5	0	3.1	70.46	29.89	0	0	0	0
2001	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	291	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	88.92	11.18	0	0	0	0
2001	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	301	23	933	366.169	-356.524	D	7.518	7.5	0.019	3.1	78.92	21.09	0	0	0	0
2001	302	23	643	363.609	-354.151	D	7.5	7.5	0	3.1	96.12	3.82	0	0	0	0
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	853	361.666	-362.175	D	7.54	7.5	0.04	3.1	86.92	13.08	0	0	0	0
2001	308	23	1035	356.477	-356.792	D	7.513	7.5	0.013	3.1	96.49	3.52	0	0	0	0
2001	309	23	930	366.19	-357.232	D	7.556	7.5	0.057	3.1	81.98	18.02	0	0	0	0
2001	310	23	832	359.493	-362.061	D	7.549	7.5	0.049	3.1	92.3	7.7	0	0	0	0
2001	311	23	930	366.19	-357.232	D	7.531	7.5	0.031	3.1	96.95	3.05	0	0	0	0
2001	312	23	947	365.801	-355.162	D	7.502	7.5	0.002	3.1	98.91	1.12	0	0	0	0
2001	313	23	927	365.912	-357.454	D	7.543	7.5	0.044	3.1	49.66	50.34	0	0	0	0
2001	314	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	89.61	10.17	0	0	0	0
2001	315	23	949	365.722	-354.966	D	7.52	7.5	0.021	3.1	78.69	21.32	0	0	0	0
2001	316	23	1039	356.522	-357.599	D	7.505	7.5	0.006	3.1	89.04	11.01	0	0	0	0
2001	317	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	93.88	2.66	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	930	366.19	-357.232	D	7.564	7.5	0.065	3.1	54.99	45.01	0	0	0	0
2001	333	23	1035	356.477	-356.792	D	7.583	7.5	0.084	3.1	64.65	35.36	0	0	0	0
2001	334	23	822	358.021	-361.607	D	7.615	7.5	0.115	3.1	75.28	24.72	0	0	0	0
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	85.97	12.58	0	0	0	0
2001	342	23	773	365.4	-355.32	D	7.657	7.593	0.064	3.3	69.96	30.04	0	0	0	0
2001	343	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	59.32	40.7	0	0	0	0
2001	344	23	930	366.19	-357.232	D	7.604	7.593	0.011	3.3	55.7	44.3	0	0	0	0
2001	345	23	930	366.19	-357.232	D	7.597	7.593	0.004	3.3	71.27	28.75	0	0	0	0
2001	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	81.72	20.7	0	0	0	0
2001	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	348	23	933	366.169	-356.524	D	7.601	7.593	0.008	3.3	83.15	16.85	0	0	0	0
2001	349	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	96.31	3.84	0	0	0	0
2001	350	23	947	365.801	-355.162	D	7.595	7.593	0.003	3.3	88.3	11.71	0	0	0	0
2001	351	23	930	366.19	-357.232	D	7.661	7.593	0.068	3.3	61.28	38.72	0	0	0	0
2001	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	66.6	3.53	0	0	0	0
2001	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.236							
HOLCIM									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATE**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2001	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2001	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	10	23	930	366.19	-357.232	D	7.553	7.546	0.007	3.2	39.73	60.12	0	0	0	0.17
2001	11	23	947	365.801	-355.162	D	7.546	7.546	0	3.2	54.59	45.33	0	0	0	0.14
2001	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	17	23	933	366.169	-356.524	D	7.665	7.546	0.119	3.2	43.69	56.03	0	0	0	0.28
2001	18	23	907	365.051	-359.809	D	8.392	7.546	**0.845**	3.2	41.9	57.87	0	0	0	0.23
2001	19	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	57.06	42.73	0	0	0	0.21
2001	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	25	23	930	366.19	-357.232	D	7.552	7.546	0.005	3.2	33.04	66.72	0	0	0	0.26
2001	26	23	930	366.19	-357.232	D	7.58	7.546	0.034	3.2	33.06	66.81	0	0	0	0.13
2001	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	28	23	947	365.801	-355.162	D	7.547	7.546	0.001	3.2	50.32	49.58	0	0	0	0.22
2001	29	23	746	364.882	-354.843	D	7.546	7.546	0	3.2	51.33	46.76	0	0	0	0.13
2001	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2001	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2001	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	38	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	42	23	949	365.722	-354.966	D	7.496	7.406	0.09	2.9	39.68	60.11	0	0	0	0.21
2001	43	23	1017	356.894	-355.206	D	7.408	7.406	0.003	2.9	50.5	49.37	0	0	0	0.15

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	46	23	907	365.051	-359.809	D	7.412	7.406	0.007	2.9	66.52	33.37	0	0	0	0.13
2001	47	23	907	365.051	-359.809	D	7.409	7.406	0.004	2.9	68.22	31.7	0	0	0	0.09
2001	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	50	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	63.07	37.33	0	0	0	0.23
2001	51	23	955	364.92	-354.582	D	7.406	7.406	0.001	2.9	67.59	31.88	0	0	0	0.53
2001	52	23	1017	356.894	-355.206	D	8.159	7.406	**0.754**	2.9	42.98	56.73	0	0	0	0.29
2001	53	23	822	358.021	-361.607	D	7.417	7.406	0.011	2.9	53.41	46.5	0	0	0	0.12
2001	54	23	949	365.722	-354.966	D	7.407	7.406	0.002	2.9	61.9	38.04	0	0	0	0.18
2001	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2001	58	23	941	365.977	-355.774	D	7.429	7.406	0.023	2.9	58.6	41.18	0	0	0	0.24
2001	59	23	1017	356.894	-355.206	D	7.473	7.406	0.068	2.9	57.15	42.73	0	0	0	0.13
2001	60	23	643	363.609	-354.151	D	7.315	7.315	0	2.708	48.16	51.55	0	0	0	0.29
2001	61	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	62	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	63	23	931	366.183	-356.996	D	7.86	7.311	**0.549**	2.7	47.87	51.86	0	0	0	0.27
2001	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	69	23	907	365.051	-359.809	D	7.314	7.311	0.003	2.7	74.47	25.27	0	0	0	0.34
2001	70	23	933	366.169	-356.524	D	7.313	7.311	0.002	2.7	74.9	24.91	0	0	0	0.22
2001	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	75	23	822	358.021	-361.607	D	7.526	7.311	0.216	2.7	67.92	31.9	0	0	0	0.18
2001	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	77	23	930	366.19	-357.232	D	7.371	7.311	0.061	2.7	49.37	50.22	0	0	0	0.41
2001	78	23	1039	356.522	-357.599	D	7.338	7.311	0.027	2.7	57.21	42.5	0	0	0	0.29
2001	79	23	1017	356.894	-355.206	D	7.385	7.311	0.074	2.7	74.05	25.53	0	0	0	0.42
2001	80	23	907	365.051	-359.809	D	7.666	7.311	0.355	2.7	60.18	39.46	0	0	0	0.36
2001	81	23	949	365.722	-354.966	D	7.462	7.311	0.152	2.7	80.37	19.33	0	0	0	0.3
2001	82	23	947	365.801	-355.162	D	7.503	7.311	0.193	2.7	81.49	18.25	0	0	0	0.26

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	83	23	930	366.19	-357.232	D	7.55	7.311	0.239	2.7	85.68	14.17	0	0	0	0.15
2001	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	87	23	933	366.169	-356.524	D	7.311	7.311	0	2.7	77.81	22.36	0	0	0	0.26
2001	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2001	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	130	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.02	0.48	0	0	0	0.16
2001	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	139	23	947	365.801	-355.162	D	7.601	7.593	0.008	3.3	74.15	25.75	0	0	0	0.12
2001	140	23	933	366.169	-356.524	D	7.594	7.593	0.002	3.3	96.95	2.84	0	0	0	0.23
2001	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	149	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	98.53	1.39	0	0	0	0.2
2001	150	23	933	366.169	-356.524	D	7.595	7.593	0.002	3.3	97.01	2.92	0	0	0	0.14
2001	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	158	23	949	365.722	-354.966	D	7.595	7.593	0.003	3.3	99.38	0.38	0	0	0	0.23
2001	159	23	907	365.051	-359.809	D	8.004	7.593	0.411	3.3	97.59	2.23	0	0	0	0.18
2001	160	23	947	365.801	-355.162	D	7.7	7.593	0.107	3.3	97.55	2.25	0	0	0	0.21

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	161	23	933	366.169	-356.524	D	7.688	7.593	0.096	3.3	98.9	0.97	0	0	0	0.13
2001	162	23	947	365.801	-355.162	D	7.597	7.593	0.004	3.3	99.65	0.27	0	0	0	0.1
2001	163	23	789	365.918	-355.796	D	7.593	7.593	0.001	3.3	99.79	0.17	0	0	0	0.1
2001	164	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	99.85	0.26	0	0	0	0.09
2001	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	169	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.74	0.14	0	0	0	0.17
2001	170	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.38	0.17	0	0	0	0.14
2001	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	172	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	97.43	2.44	0	0	0	0.13
2001	173	23	907	365.051	-359.809	D	7.595	7.593	0.002	3.3	98.04	1.85	0	0	0	0.11
2001	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	175	23	932	366.176	-356.761	D	7.596	7.593	0.003	3.3	99.58	0.25	0	0	0	0.19
2001	176	23	930	366.19	-357.232	D	7.67	7.593	0.077	3.3	99.3	0.55	0	0	0	0.15
2001	177	23	947	365.801	-355.162	D	7.697	7.593	0.105	3.3	99.34	0.53	0	0	0	0.13
2001	178	23	1008	358.048	-354.775	D	7.653	7.593	0.06	3.3	99.35	0.54	0	0	0	0.11
2001	179	23	964	363.678	-354.148	D	7.62	7.593	0.027	3.3	98.46	1.44	0	0	0	0.1
2001	180	23	967	363.478	-354.116	D	7.595	7.593	0.002	3.3	99.74	0.18	0	0	0	0.1
2001	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	183	23	949	365.722	-354.966	D	7.86	7.593	0.267	3.3	90.51	9.35	0	0	0	0.14
2001	184	23	949	365.722	-354.966	D	7.745	7.593	0.153	3.3	99.19	0.7	0	0	0	0.11
2001	185	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	99.66	0.13	0	0	0	0.09
2001	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	187	23	930	366.19	-357.232	D	7.604	7.593	0.012	3.3	99.58	0.25	0	0	0	0.18
2001	188	23	930	366.19	-357.232	D	7.601	7.593	0.009	3.3	99.67	0.19	0	0	0	0.14
2001	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	192	23	947	365.801	-355.162	D	7.679	7.593	0.087	3.3	99.46	0.19	0	0	0	0.35
2001	193	23	941	365.977	-355.774	D	7.789	7.593	0.197	3.3	98.93	0.84	0	0	0	0.23
2001	194	23	949	365.722	-354.966	D	7.671	7.593	0.079	3.3	97.77	2.12	0	0	0	0.12
2001	195	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.73	0.15	0	0	0	0.1
2001	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	201	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	98.54	0.31	0	0	0	0.09
2001	202	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	96.26	3.65	0	0	0	0.08
2001	203	23	941	365.977	-355.774	D	7.595	7.593	0.003	3.3	99.45	0.5	0	0	0	0.08
2001	204	23	947	365.801	-355.162	D	7.594	7.593	0.001	3.3	98.67	1.21	0	0	0	0.07
2001	205	23	729	364.634	-354.854	D	7.593	7.593	0	3.3	99.33	0.26	0	0	0	0.07
2001	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	207	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	98.31	1.49	0	0	0	0.17
2001	208	23	949	365.722	-354.966	D	7.8	7.593	0.208	3.3	94.59	5.31	0	0	0	0.1
2001	209	23	933	366.169	-356.524	D	7.706	7.593	0.114	3.3	95.25	4.67	0	0	0	0.08
2001	210	23	947	365.801	-355.162	D	7.595	7.593	0.002	3.3	98.3	1.62	0	0	0	0.08
2001	211	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.35	0.63	0	0	0	0.07
2001	212	23	947	365.801	-355.162	D	7.644	7.593	0.052	3.3	99.75	0.16	0	0	0	0.09
2001	213	23	949	365.722	-354.966	D	7.628	7.593	0.036	3.3	99.5	0.41	0	0	0	0.08
2001	214	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	99.72	0.16	0	0	0	0.08
2001	215	23	729	364.634	-354.854	D	7.593	7.593	0	3.3	95.87	0.06	0	0	0	0.07
2001	216	23	949	365.722	-354.966	D	7.69	7.593	0.097	3.3	99.2	0.56	0	0	0	0.25
2001	217	23	1035	356.477	-356.792	D	7.648	7.593	0.055	3.3	99.26	0.55	0	0	0	0.19
2001	218	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	99.75	0.05	0	0	0	0.15
2001	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	223	23	941	365.977	-355.774	D	7.922	7.593	0.329	3.3	98.03	1.77	0	0	0	0.2
2001	224	23	930	366.19	-357.232	D	8.126	7.593	**0.533**	3.3	94.22	5.56	0	0	0	0.21
2001	225	23	930	366.19	-357.232	D	8.288	7.593	**0.696**	3.3	96.74	3.09	0	0	0	0.17
2001	226	23	853	361.666	-362.175	D	7.628	7.593	0.035	3.3	98.34	1.28	0	0	0	0.38
2001	227	23	822	358.021	-361.607	D	7.624	7.593	0.031	3.3	98.4	1.39	0	0	0	0.22
2001	228	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	99.49	0.24	0	0	0	0.13
2001	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	239	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	99.3	0.52	0	0	0	0.23
2001	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	242	23	767	365.466	-356.815	D	7.593	7.593	0	3.3	97.1	1.46	0	0	0	0.09
2001	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	244	23	955	364.92	-354.582	D	8.004	7.637	0.367	3.396	96.65	3.14	0	0	0	0.21
2001	245	23	1017	356.894	-355.206	D	8.068	7.639	0.429	3.4	96.15	3.73	0	0	0	0.12
2001	246	23	1017	356.894	-355.206	D	7.703	7.639	0.065	3.4	99.37	0.52	0	0	0	0.11
2001	247	23	967	363.478	-354.116	D	7.685	7.639	0.046	3.4	99.66	0.25	0	0	0	0.09
2001	248	23	949	365.722	-354.966	D	7.682	7.639	0.043	3.4	98.67	1.23	0	0	0	0.1
2001	249	23	955	364.92	-354.582	D	7.658	7.639	0.019	3.4	99.02	0.86	0	0	0	0.12
2001	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	254	23	930	366.19	-357.232	D	7.683	7.639	0.044	3.4	97.5	2.28	0	0	0	0.21
2001	255	23	933	366.169	-356.524	D	8.09	7.639	0.451	3.4	97.31	2.53	0	0	0	0.16
2001	256	23	853	361.666	-362.175	D	8.059	7.639	0.42	3.4	98.63	1.24	0	0	0	0.13
2001	257	23	967	363.478	-354.116	D	8.676	7.639	**1.037**	3.4	90.7	9.13	0	0	0	0.17
2001	258	23	822	358.021	-361.607	D	7.641	7.639	0.002	3.4	99.66	0.19	0	0	0	0.11
2001	259	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	260	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	265	23	947	365.801	-355.162	D	7.639	7.639	0	3.4	96.06	0.82	0	0	0	0.3
2001	266	23	933	366.169	-356.524	D	7.64	7.639	0.001	3.4	97.22	2.53	0	0	0	0.25
2001	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	268	23	907	365.051	-359.809	D	7.702	7.639	0.063	3.4	40.5	58.86	0	0	0	0.63
2001	269	23	907	365.051	-359.809	D	7.639	7.639	0	3.4	93.22	6.29	0	0	0	0.36
2001	270	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	271	23	963	363.809	-354.192	D	7.892	7.639	0.253	3.4	92.64	6.97	0	0	0	0.39
2001	272	23	822	358.021	-361.607	D	7.648	7.639	0.009	3.4	96.8	2.96	0	0	0	0.23
2001	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2001	274	23	963	363.809	-354.192	D	7.507	7.505	0.001	3.112	94.11	5.81	0	0	0	0.17
2001	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	278	23	811	357.434	-360.225	D	7.932	7.5	0.433	3.1	57.46	42.37	0	0	0	0.17
2001	279	23	905	364.788	-359.816	D	7.5	7.5	0	3.1	81.65	19.19	0	0	0	0.07
2001	280	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	95.07	5	0	0	0	0.32
2001	281	23	931	366.183	-356.996	D	7.519	7.5	0.019	3.1	81.05	18.75	0	0	0	0.2
2001	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	285	23	1010	357.824	-354.865	D	7.514	7.5	0.014	3.1	68.75	31.1	0	0	0	0.16
2001	286	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	291	23	763	365.51	-357.811	D	7.5	7.5	0	3.1	64.95	32.06	0	0	0	0.22
2001	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	301	23	930	366.19	-357.232	D	7.507	7.5	0.008	3.1	85.36	14.41	0	0	0	0.25
2001	302	23	947	365.801	-355.162	D	7.505	7.5	0.006	3.1	82.74	17.11	0	0	0	0.15
2001	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	307	23	931	366.183	-356.996	D	7.732	7.5	0.232	3.1	77.58	22.25	0	0	0	0.17
2001	308	23	1017	356.894	-355.206	D	7.563	7.5	0.064	3.1	94.92	4.95	0	0	0	0.14
2001	309	23	933	366.169	-356.524	D	7.606	7.5	0.106	3.1	87.48	12.23	0	0	0	0.28
2001	310	23	933	366.169	-356.524	D	7.654	7.5	0.154	3.1	79.92	19.82	0	0	0	0.25
2001	311	23	930	366.19	-357.232	D	7.557	7.5	0.058	3.1	89.19	10.62	0	0	0	0.19
2001	312	23	949	365.722	-354.966	D	7.502	7.5	0.002	3.1	96.51	3.39	0	0	0	0.15
2001	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	315	23	949	365.722	-354.966	D	7.531	7.5	0.031	3.1	82.64	16.55	0	0	0	0.82
2001	316	23	1036	356.488	-356.993	D	7.532	7.5	0.033	3.1	76.68	22.82	0	0	0	0.51

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2001	332	23	907	365.051	-359.809	D	7.522	7.5	0.022	3.1	54.81	45.03	0	0	0	0.17
2001	333	23	930	366.19	-357.232	D	8.92	7.5	**1.42**	3.1	48.02	51.71	0	0	0	0.27
2001	334	23	930	366.19	-357.232	D	7.978	7.5	0.478	3.1	70.1	29.72	0	0	0	0.17
2001	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2001	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	342	23	773	365.4	-355.32	D	7.936	7.593	0.343	3.3	43.38	56.37	0	0	0	0.26
2001	343	23	710	364.843	-359.589	D	7.593	7.593	0	3.3	62.65	5.9	0	0	0	0.07
2001	344	23	930	366.19	-357.232	D	7.606	7.593	0.014	3.3	37.22	62.57	0	0	0	0.22
2001	345	23	930	366.19	-357.232	D	7.614	7.593	0.021	3.3	60.26	39.54	0	0	0	0.2
2001	346	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	68.72	31.26	0	0	0	0.16
2001	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	348	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	349	23	786	365.973	-357.042	D	7.593	7.593	0	3.3	86.94	12.43	0	0	0	0.14
2001	350	23	947	365.801	-355.162	D	7.595	7.593	0.002	3.3	75.08	24.84	0	0	0	0.11
2001	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2001 M6

YEAR	DAY	HR	RECEPTOR	COORDINATE	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2001	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2001	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									1.42							

Appendix M
Hercules Glade
2002 M6

EGU											% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	1	23	823	358.24	-361.604	D	7.586	7.548	0.038	3.204	0	0	0	0	0	100
2002	2	23	822	358.021	-361.607	D	7.549	7.546	0.002	3.2	0	0	0	0	0	100.05
2002	3	23	927	365.912	-357.454	D	7.641	7.546	0.094	3.2	0	0	0	0	0	100
2002	4	23	941	365.977	-355.774	D	7.547	7.546	0	3.2	0	0	0	0	0	100.4
2002	5	23	1017	356.894	-355.206	D	7.554	7.546	0.008	3.2	0	0	0	0	0	100
2002	6	23	78	358.239	-356.385	D	7.692	7.546	0.145	3.2	0	0	0	0	0	100
2002	7	23	822	358.021	-361.607	D	7.596	7.546	0.05	3.2	0	0	0	0	0	100
2002	8	23	948	365.727	-355.056	D	7.546	7.546	0	3.2	0	0	0	0	0	99.83
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	714	364.799	-358.592	D	7.558	7.546	0.012	3.2	0	0	0	0	0	100.01
2002	11	23	78	358.239	-356.385	D	7.581	7.546	0.035	3.2	0	0	0	0	0	100
2002	12	23	949	365.722	-354.966	D	7.564	7.546	0.018	3.2	0	0	0	0	0	100.01
2002	13	23	949	365.722	-354.966	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.07
2002	14	23	102	358.487	-356.374	D	7.549	7.546	0.003	3.2	0	0	0	0	0	100.01
2002	15	23	927	365.912	-357.454	D	7.57	7.546	0.024	3.2	0	0	0	0	0	100.01
2002	16	23	949	365.722	-354.966	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.22
2002	17	23	78	358.239	-356.385	D	7.569	7.546	0.023	3.2	0	0	0	0	0	100.01
2002	18	23	907	365.051	-359.809	D	7.555	7.546	0.009	3.2	0	0	0	0	0	100.03
2002	19	23	964	363.678	-354.148	D	7.609	7.546	0.062	3.2	0	0	0	0	0	100
2002	20	23	931	366.183	-356.996	D	7.561	7.546	0.015	3.2	0	0	0	0	0	100.01
2002	21	23	102	358.487	-356.374	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.06
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	1039	356.522	-357.599	D	7.572	7.546	0.026	3.2	0	0	0	0	0	100
2002	25	23	927	365.912	-357.454	D	7.622	7.546	0.075	3.2	0	0	0	0	0	100
2002	26	23	570	363.387	-360.402	D	7.546	7.546	0	3.2	0	0	0	0	0	86.26
2002	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	966	363.538	-354.124	D	7.551	7.546	0.005	3.2	0	0	0	0	0	100.02
2002	30	23	78	358.239	-356.385	D	7.601	7.546	0.055	3.2	0	0	0	0	0	100.01
2002	31	23	1038	356.511	-357.396	D	7.658	7.546	0.112	3.2	0	0	0	0	0	100
2002	32	23	1017	356.894	-355.206	D	7.439	7.411	0.027	2.913	0	0	0	0	0	100
2002	33	23	78	358.239	-356.385	D	7.459	7.406	0.054	2.9	0	0	0	0	0	100
2002	34	23	967	363.478	-354.116	D	7.417	7.406	0.011	2.9	0	0	0	0	0	100.02
2002	35	23	78	358.239	-356.385	D	7.457	7.406	0.051	2.9	0	0	0	0	0	100
2002	36	23	930	366.19	-357.232	D	7.411	7.406	0.006	2.9	0	0	0	0	0	100.03
2002	37	23	949	365.722	-354.966	D	7.407	7.406	0.001	2.9	0	0	0	0	0	100.16
2002	38	23	927	365.912	-357.454	D	7.549	7.406	0.143	2.9	0	0	0	0	0	100

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	39	23	933	366.169	-356.524	D	7.406	7.406	0.001	2.9	0	0	0	0	0	100.27
2002	40	23	726	364.667	-355.602	D	7.406	7.406	0	2.9	0	0	0	0	0	102.16
2002	41	23	949	365.722	-354.966	D	7.428	7.406	0.023	2.9	0	0	0	0	0	100.01
2002	42	23	78	358.239	-356.385	D	7.526	7.406	0.121	2.9	0	0	0	0	0	100
2002	43	23	1007	358.259	-354.768	D	7.421	7.406	0.015	2.9	0	0	0	0	0	100.01
2002	44	23	822	358.021	-361.607	D	7.414	7.406	0.008	2.9	0	0	0	0	0	100.02
2002	45	23	823	358.24	-361.604	D	7.414	7.406	0.008	2.9	0	0	0	0	0	100.02
2002	46	23	1017	356.894	-355.206	D	7.447	7.406	0.041	2.9	0	0	0	0	0	100
2002	47	23	949	365.722	-354.966	D	7.425	7.406	0.019	2.9	0	0	0	0	0	100.01
2002	48	23	78	358.239	-356.385	D	7.427	7.406	0.022	2.9	0	0	0	0	0	100.01
2002	49	23	930	366.19	-357.232	D	7.407	7.406	0.001	2.9	0	0	0	0	0	100.12
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	966	363.538	-354.124	D	7.406	7.406	0.001	2.9	0	0	0	0	0	100.26
2002	52	23	773	365.4	-355.32	D	7.471	7.406	0.065	2.9	0	0	0	0	0	100
2002	53	23	78	358.239	-356.385	D	7.439	7.406	0.033	2.9	0	0	0	0	0	100
2002	54	23	1035	356.477	-356.792	D	7.431	7.406	0.025	2.9	0	0	0	0	0	100.01
2002	55	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	0	0	0	0	0	100.64
2002	56	23	78	358.239	-356.385	D	7.421	7.406	0.015	2.9	0	0	0	0	0	100.01
2002	57	23	949	365.722	-354.966	D	7.45	7.406	0.045	2.9	0	0	0	0	0	100.01
2002	58	23	773	365.4	-355.32	D	7.411	7.406	0.006	2.9	0	0	0	0	0	100.07
2002	59	23	949	365.722	-354.966	D	7.406	7.406	0	2.9	0	0	0	0	0	99.94
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	985	361.137	-354.683	D	7.386	7.311	0.075	2.7	0	0	0	0	0	100
2002	62	23	773	365.4	-355.32	D	7.407	7.311	0.096	2.7	0	0	0	0	0	100
2002	63	23	861	361.895	-361.506	D	7.312	7.311	0.001	2.7	0	0	0	0	0	100.03
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	822	358.021	-361.607	D	7.311	7.311	0.001	2.7	0	0	0	0	0	100.27
2002	69	23	927	365.912	-357.454	D	7.365	7.311	0.054	2.7	0	0	0	0	0	100
2002	70	23	1017	356.894	-355.206	D	7.312	7.311	0.002	2.7	0	0	0	0	0	100.02
2002	71	23	1041	356.936	-357.592	D	7.32	7.311	0.009	2.7	0	0	0	0	0	100.02
2002	72	23	1039	356.522	-357.599	D	7.33	7.311	0.019	2.7	0	0	0	0	0	100.01
2002	73	23	932	366.176	-356.761	D	7.311	7.311	0.001	2.7	0	0	0	0	0	99.89
2002	74	23	1037	356.5	-357.195	D	7.323	7.311	0.012	2.7	0	0	0	0	0	100.02
2002	75	23	907	365.051	-359.809	D	7.315	7.311	0.004	2.7	0	0	0	0	0	100.05
2002	76	23	1017	356.894	-355.206	D	7.316	7.311	0.005	2.7	0	0	0	0	0	100.03
2002	77	23	78	358.239	-356.385	D	7.323	7.311	0.012	2.7	0	0	0	0	0	100.02

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	78	23	907	365.051	-359.809	D	7.32	7.311	0.009	2.7	0	0	0	0	0	100.02
2002	79	23	1035	356.477	-356.792	D	7.338	7.311	0.027	2.7	0	0	0	0	0	100
2002	80	23	731	365.047	-358.581	D	7.39	7.311	0.08	2.7	0	0	0	0	0	100
2002	81	23	1035	356.477	-356.792	D	7.323	7.311	0.013	2.7	0	0	0	0	0	100.02
2002	82	23	933	366.169	-356.524	D	7.318	7.311	0.008	2.7	0	0	0	0	0	100.02
2002	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	84	23	78	358.239	-356.385	D	7.322	7.311	0.012	2.7	0	0	0	0	0	100.01
2002	85	23	822	358.021	-361.607	D	7.32	7.311	0.01	2.7	0	0	0	0	0	100.01
2002	86	23	78	358.239	-356.385	D	7.34	7.311	0.029	2.7	0	0	0	0	0	100
2002	87	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	0	0	0	0	0	99.99
2002	88	23	563	362.941	-355.928	D	7.317	7.311	0.006	2.7	0	0	0	0	0	100.02
2002	89	23	948	365.727	-355.056	D	7.315	7.311	0.004	2.7	0	0	0	0	0	100.03
2002	90	23	1017	356.894	-355.206	D	7.318	7.311	0.008	2.7	0	0	0	0	0	100.04
2002	91	23	78	358.239	-356.385	D	7.329	7.311	0.019	2.7	0	0	0	0	0	100.01
2002	92	23	1039	356.522	-357.599	D	7.314	7.311	0.003	2.7	0	0	0	0	0	100.05
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	0	0	0	0	0	100.04
2002	95	23	845	360.851	-362.181	D	7.32	7.311	0.009	2.7	0	0	0	0	0	100.02
2002	96	23	1017	356.894	-355.206	D	7.318	7.311	0.008	2.7	0	0	0	0	0	100.03
2002	97	23	785	365.637	-355.06	D	7.311	7.311	0.001	2.7	0	0	0	0	0	99.85
2002	98	23	10	356.954	-355.443	D	7.311	7.311	0	2.7	0	0	0	0	0	106.22
2002	99	23	974	362.281	-354.249	D	7.333	7.311	0.022	2.7	0	0	0	0	0	100
2002	100	23	930	366.19	-357.232	D	7.316	7.311	0.005	2.7	0	0	0	0	0	100.05
2002	101	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	0	0	0	0	0	99.98
2002	102	23	964	363.678	-354.148	D	7.311	7.311	0	2.7	0	0	0	0	0	100.47
2002	103	23	949	365.722	-354.966	D	7.319	7.311	0.008	2.7	0	0	0	0	0	100.02
2002	104	23	1017	356.894	-355.206	D	7.314	7.311	0.003	2.7	0	0	0	0	0	100.02
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	949	365.722	-354.966	D	7.34	7.311	0.03	2.7	0	0	0	0	0	100.01
2002	111	23	964	363.678	-354.148	D	7.312	7.311	0.001	2.7	0	0	0	0	0	100.15
2002	112	23	78	358.239	-356.385	D	7.359	7.311	0.049	2.7	0	0	0	0	0	100
2002	113	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	0	0	0	0	0	99.98
2002	114	23	78	358.239	-356.385	D	7.317	7.311	0.006	2.7	0	0	0	0	0	100.01
2002	115	23	822	358.021	-361.607	D	7.311	7.311	0	2.7	0	0	0	0	0	100.19
2002	116	23	853	361.666	-362.175	D	7.313	7.311	0.002	2.7	0	0	0	0	0	100.13

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	117	23	967	363.478	-354.116	D	7.312	7.311	0.001	2.7	0	0	0	0	0	99.89
2002	118	23	773	365.4	-355.32	D	7.365	7.311	0.054	2.7	0	0	0	0	0	100.01
2002	119	23	1038	356.511	-357.396	D	7.329	7.311	0.018	2.7	0	0	0	0	0	100
2002	120	23	830	359.486	-361.777	D	7.312	7.311	0.001	2.7	0	0	0	0	0	99.9
2002	121	23	10	356.954	-355.443	D	7.581	7.581	0	3.275	0	0	0	0	0	107.96
2002	122	23	78	358.239	-356.385	D	7.616	7.593	0.023	3.3	0	0	0	0	0	100
2002	123	23	846	360.93	-362.178	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100
2002	124	23	1017	356.894	-355.206	D	7.604	7.593	0.012	3.3	0	0	0	0	0	100
2002	125	23	1035	356.477	-356.792	D	7.597	7.593	0.005	3.3	0	0	0	0	0	100.01
2002	126	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	0	0	0	0	0	100.31
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	78	358.239	-356.385	D	7.599	7.593	0.007	3.3	0	0	0	0	0	100.01
2002	130	23	907	365.051	-359.809	D	7.605	7.593	0.012	3.3	0	0	0	0	0	100
2002	131	23	947	365.801	-355.162	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.99
2002	132	23	966	363.538	-354.124	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.01
2002	133	23	822	358.021	-361.607	D	7.605	7.593	0.013	3.3	0	0	0	0	0	100.01
2002	134	23	1017	356.894	-355.206	D	7.615	7.593	0.022	3.3	0	0	0	0	0	100
2002	135	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100.02
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	927	365.912	-357.454	D	7.614	7.593	0.021	3.3	0	0	0	0	0	100
2002	138	23	852	361.595	-362.148	D	7.593	7.593	0	3.3	0	0	0	0	0	99.83
2002	139	23	1009	357.941	-354.82	D	7.624	7.593	0.032	3.3	0	0	0	0	0	100
2002	140	23	78	358.239	-356.385	D	7.652	7.593	0.059	3.3	0	0	0	0	0	100
2002	141	23	822	358.021	-361.607	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.03
2002	142	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.96
2002	143	23	709	364.375	-354.616	D	7.593	7.593	0	3.3	0	0	0	0	0	98.02
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	964	363.678	-354.148	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.03
2002	146	23	966	363.538	-354.124	D	7.603	7.593	0.011	3.3	0	0	0	0	0	100
2002	147	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	0	0	0	0	0	101.1
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	0	0	0	0	0	99.68
2002	151	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.04
2002	152	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	98.61
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	156	23	78	358.239	-356.385	D	7.68	7.593	0.087	3.3	0	0	0	0	0	100
2002	157	23	845	360.851	-362.181	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.07
2002	158	23	1008	358.048	-354.775	D	7.593	7.593	0	3.3	0	0	0	0	0	99.92
2002	159	23	822	358.021	-361.607	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.04
2002	160	23	1017	356.894	-355.206	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.01
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	1035	356.477	-356.792	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.01
2002	165	23	1017	356.894	-355.206	D	7.614	7.593	0.022	3.3	0	0	0	0	0	100.01
2002	166	23	927	365.912	-357.454	D	7.656	7.593	0.063	3.3	0	0	0	0	0	100
2002	167	23	927	365.912	-357.454	D	7.644	7.593	0.052	3.3	0	0	0	0	0	100
2002	168	23	822	358.021	-361.607	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.02
2002	169	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.03
2002	170	23	785	365.637	-355.06	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.99
2002	171	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	0	0	0	0	0	80.44
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.13
2002	174	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.25
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	94.9
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.03
2002	179	23	963	363.809	-354.192	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.02
2002	180	23	955	364.92	-354.582	D	7.598	7.593	0.006	3.3	0	0	0	0	0	100.02
2002	181	23	543	362.627	-354.444	D	7.593	7.593	0	3.3	0	0	0	0	0	84.65
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.21
2002	184	23	948	365.727	-355.056	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.01
2002	185	23	930	366.19	-357.232	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.04
2002	186	23	845	360.851	-362.181	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.02
2002	187	23	846	360.93	-362.178	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.01
2002	188	23	966	363.538	-354.124	D	7.595	7.593	0.002	3.3	0	0	0	0	0	99.99
2002	189	23	933	366.169	-356.524	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100
2002	190	23	930	366.19	-357.232	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.01
2002	191	23	955	364.92	-354.582	D	7.593	7.593	0	3.3	0	0	0	0	0	100.24
2002	192	23	832	359.493	-362.061	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100.01
2002	193	23	967	363.478	-354.116	D	7.619	7.593	0.027	3.3	0	0	0	0	0	100
2002	194	23	1017	356.894	-355.206	D	7.619	7.593	0.027	3.3	0	0	0	0	0	100

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	195	23	966	363.538	-354.124	D	7.611	7.593	0.018	3.3	0	0	0	0	0	100
2002	196	23	1017	356.894	-355.206	D	7.605	7.593	0.012	3.3	0	0	0	0	0	100.01
2002	197	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.08
2002	198	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	100.65
2002	199	23	542	362.638	-354.693	D	7.593	7.593	0	3.3	0	0	0	0	0	103.22
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	24.41
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	78	358.239	-356.385	D	7.675	7.593	0.082	3.3	0	0	0	0	0	100
2002	205	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.01
2002	206	23	643	363.609	-354.151	D	7.598	7.593	0.005	3.3	0	0	0	0	0	100
2002	207	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.03
2002	208	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	0	0	0	0	0	99.77
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	967	363.478	-354.116	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.15
2002	212	23	949	365.722	-354.966	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.03
2002	213	23	663	363.912	-355.386	D	7.593	7.593	0	3.3	0	0	0	0	0	107.69
2002	214	23	927	365.912	-357.454	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100.01
2002	215	23	822	358.021	-361.607	D	7.6	7.593	0.007	3.3	0	0	0	0	0	100.01
2002	216	23	1016	357.1	-355.198	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.05
2002	217	23	966	363.538	-354.124	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.07
2002	218	23	1008	358.048	-354.775	D	7.602	7.593	0.01	3.3	0	0	0	0	0	100.01
2002	219	23	78	358.239	-356.385	D	7.607	7.593	0.014	3.3	0	0	0	0	0	100
2002	220	23	1017	356.894	-355.206	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.02
2002	221	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.02
2002	222	23	941	365.977	-355.774	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.14
2002	223	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	106.57
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	78	358.239	-356.385	D	7.613	7.593	0.021	3.3	0	0	0	0	0	100.01
2002	227	23	78	358.239	-356.385	D	7.598	7.593	0.005	3.3	0	0	0	0	0	100.02
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	10.24
2002	232	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	92.34
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	1017	356.894	-355.206	D	7.63	7.593	0.038	3.3	0	0	0	0	0	100
2002	237	23	811	357.434	-360.225	D	7.602	7.593	0.009	3.3	0	0	0	0	0	100.01
2002	238	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.04
2002	239	23	907	365.051	-359.809	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100
2002	240	23	714	364.799	-358.592	D	7.613	7.593	0.02	3.3	0	0	0	0	0	100
2002	241	23	78	358.239	-356.385	D	7.619	7.593	0.026	3.3	0	0	0	0	0	100.01
2002	242	23	1017	356.894	-355.206	D	7.602	7.593	0.01	3.3	0	0	0	0	0	100.02
2002	243	23	845	360.851	-362.181	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.34
2002	244	23	930	366.19	-357.232	D	7.638	7.637	0.001	3.396	0	0	0	0	0	100.04
2002	245	23	543	362.627	-354.444	D	7.639	7.639	0	3.4	0	0	0	0	0	100.31
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	949	365.722	-354.966	D	7.642	7.639	0.003	3.4	0	0	0	0	0	100.01
2002	248	23	966	363.538	-354.124	D	7.646	7.639	0.007	3.4	0	0	0	0	0	100.01
2002	249	23	1006	358.469	-354.76	D	7.644	7.639	0.005	3.4	0	0	0	0	0	100
2002	250	23	948	365.727	-355.056	D	7.639	7.639	0.001	3.4	0	0	0	0	0	100.07
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	356	361.22	-361.995	D	7.639	7.639	0	3.4	0	0	0	0	0	89.59
2002	253	23	1035	356.477	-356.792	D	7.67	7.639	0.031	3.4	0	0	0	0	0	100
2002	254	23	811	357.434	-360.225	D	7.646	7.639	0.007	3.4	0	0	0	0	0	99.99
2002	255	23	731	365.047	-358.581	D	7.656	7.639	0.017	3.4	0	0	0	0	0	100.01
2002	256	23	1036	356.488	-356.993	D	7.644	7.639	0.005	3.4	0	0	0	0	0	100.01
2002	257	23	775	365.747	-357.551	D	7.641	7.639	0.002	3.4	0	0	0	0	0	100.01
2002	258	23	811	357.434	-360.225	D	7.646	7.639	0.007	3.4	0	0	0	0	0	100.02
2002	259	23	845	360.851	-362.181	D	7.646	7.639	0.007	3.4	0	0	0	0	0	100.02
2002	260	23	963	363.809	-354.192	D	7.647	7.639	0.008	3.4	0	0	0	0	0	100.01
2002	261	23	785	365.637	-355.06	D	7.639	7.639	0	3.4	0	0	0	0	0	100.15
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	773	365.4	-355.32	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.22
2002	264	23	773	365.4	-355.32	D	7.643	7.639	0.004	3.4	0	0	0	0	0	100.04
2002	265	23	78	358.239	-356.385	D	7.707	7.639	0.068	3.4	0	0	0	0	0	100
2002	266	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	0	0	0	0	0	99.92
2002	267	23	907	365.051	-359.809	D	7.648	7.639	0.009	3.4	0	0	0	0	0	100.01
2002	268	23	78	358.239	-356.385	D	7.643	7.639	0.004	3.4	0	0	0	0	0	100.03
2002	269	23	853	361.666	-362.175	D	7.639	7.639	0	3.4	0	0	0	0	0	101.8
2002	270	23	846	360.93	-362.178	D	7.713	7.639	0.074	3.4	0	0	0	0	0	100
2002	271	23	949	365.722	-354.966	D	7.659	7.639	0.02	3.4	0	0	0	0	0	100.01
2002	272	23	930	366.19	-357.232	D	7.649	7.639	0.01	3.4	0	0	0	0	0	100.01

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	273	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	0	0	0	0	0	99.99
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	643	363.609	-354.151	D	7.5	7.5	0	3.1	0	0	0	0	0	104.16
2002	278	23	78	358.239	-356.385	D	7.529	7.5	0.029	3.1	0	0	0	0	0	100
2002	279	23	964	363.678	-354.148	D	7.506	7.5	0.007	3.1	0	0	0	0	0	100.03
2002	280	23	822	358.021	-361.607	D	7.505	7.5	0.006	3.1	0	0	0	0	0	100
2002	281	23	933	366.169	-356.524	D	7.508	7.5	0.008	3.1	0	0	0	0	0	100.02
2002	282	23	1016	357.1	-355.198	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.04
2002	283	23	927	365.912	-357.454	D	7.502	7.5	0.003	3.1	0	0	0	0	0	100.09
2002	284	23	1017	356.894	-355.206	D	7.512	7.5	0.013	3.1	0	0	0	0	0	100.02
2002	285	23	78	358.239	-356.385	D	7.512	7.5	0.012	3.1	0	0	0	0	0	100.02
2002	286	23	907	365.051	-359.809	D	7.506	7.5	0.006	3.1	0	0	0	0	0	100
2002	287	23	78	358.239	-356.385	D	7.51	7.5	0.011	3.1	0	0	0	0	0	100.02
2002	288	23	78	358.239	-356.385	D	7.678	7.5	0.179	3.1	0	0	0	0	0	100
2002	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	290	23	822	358.021	-361.607	D	7.506	7.5	0.007	3.1	0	0	0	0	0	100.02
2002	291	23	785	365.637	-355.06	D	7.5	7.5	0	3.1	0	0	0	0	0	100.7
2002	292	23	1017	356.894	-355.206	D	7.514	7.5	0.014	3.1	0	0	0	0	0	100.01
2002	293	23	907	365.051	-359.809	D	7.506	7.5	0.006	3.1	0	0	0	0	0	100.01
2002	294	23	1017	356.894	-355.206	D	7.513	7.5	0.013	3.1	0	0	0	0	0	100.01
2002	295	23	78	358.239	-356.385	D	7.524	7.5	0.025	3.1	0	0	0	0	0	100.01
2002	296	23	955	364.92	-354.582	D	7.547	7.5	0.048	3.1	0	0	0	0	0	100.01
2002	297	23	1017	356.894	-355.206	D	7.502	7.5	0.003	3.1	0	0	0	0	0	100.11
2002	298	23	1017	356.894	-355.206	D	7.515	7.5	0.015	3.1	0	0	0	0	0	100.01
2002	299	23	78	358.239	-356.385	D	7.562	7.5	0.062	3.1	0	0	0	0	0	100
2002	300	23	900	364.265	-360.243	D	7.54	7.5	0.04	3.1	0	0	0	0	0	100
2002	301	23	1017	356.894	-355.206	D	7.517	7.5	0.017	3.1	0	0	0	0	0	100
2002	302	23	822	358.021	-361.607	D	7.527	7.5	0.027	3.1	0	0	0	0	0	100.01
2002	303	23	78	358.239	-356.385	D	7.54	7.5	0.04	3.1	0	0	0	0	0	100
2002	304	23	846	360.93	-362.178	D	7.523	7.5	0.024	3.1	0	0	0	0	0	100
2002	305	23	822	358.021	-361.607	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.1
2002	306	23	78	358.239	-356.385	D	7.551	7.5	0.052	3.1	0	0	0	0	0	100.01
2002	307	23	967	363.478	-354.116	D	7.506	7.5	0.006	3.1	0	0	0	0	0	100.02
2002	308	23	78	358.239	-356.385	D	7.565	7.5	0.066	3.1	0	0	0	0	0	100
2002	309	23	949	365.722	-354.966	D	7.509	7.5	0.009	3.1	0	0	0	0	0	100.03
2002	310	23	773	365.4	-355.32	D	7.647	7.5	0.148	3.1	0	0	0	0	0	100
2002	311	23	949	365.722	-354.966	D	7.5	7.5	0	3.1	0	0	0	0	0	99.98

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1017	356.894	-355.206	D	7.529	7.5	0.029	3.1	0	0	0	0	0	100.01
2002	315	23	78	358.239	-356.385	D	7.594	7.5	0.094	3.1	0	0	0	0	0	100
2002	316	23	811	357.434	-360.225	D	7.52	7.5	0.021	3.1	0	0	0	0	0	100.01
2002	317	23	949	365.722	-354.966	D	7.5	7.5	0.001	3.1	0	0	0	0	0	99.92
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.12
2002	320	23	811	357.434	-360.225	D	7.534	7.5	0.035	3.1	0	0	0	0	0	100
2002	321	23	78	358.239	-356.385	D	7.597	7.5	0.098	3.1	0	0	0	0	0	100
2002	322	23	747	364.871	-354.594	D	7.5	7.5	0	3.1	0	0	0	0	0	99.04
2002	323	23	102	358.487	-356.374	D	7.622	7.5	0.123	3.1	0	0	0	0	0	100
2002	324	23	949	365.722	-354.966	D	7.504	7.5	0.004	3.1	0	0	0	0	0	100.04
2002	325	23	927	365.912	-357.454	D	7.626	7.5	0.127	3.1	0	0	0	0	0	100
2002	326	23	1017	356.894	-355.206	D	7.551	7.5	0.051	3.1	0	0	0	0	0	100
2002	327	23	949	365.722	-354.966	D	7.501	7.5	0.002	3.1	0	0	0	0	0	100.06
2002	328	23	1039	356.522	-357.599	D	7.503	7.5	0.004	3.1	0	0	0	0	0	100.03
2002	329	23	907	365.051	-359.809	D	7.505	7.5	0.006	3.1	0	0	0	0	0	100.02
2002	330	23	1039	356.522	-357.599	D	7.561	7.5	0.062	3.1	0	0	0	0	0	100
2002	331	23	1039	356.522	-357.599	D	7.52	7.5	0.021	3.1	0	0	0	0	0	100
2002	332	23	933	366.169	-356.524	D	7.504	7.5	0.004	3.1	0	0	0	0	0	100.04
2002	333	23	710	364.843	-359.589	D	7.5	7.5	0	3.1	0	0	0	0	0	88.49
2002	334	23	78	358.239	-356.385	D	7.577	7.5	0.078	3.1	0	0	0	0	0	100
2002	335	23	869	361.064	-360.714	D	7.673	7.589	0.085	3.292	0	0	0	0	0	100
2002	336	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	98.84
2002	337	23	78	358.239	-356.385	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100
2002	338	23	102	358.487	-356.374	D	7.596	7.593	0.003	3.3	0	0	0	0	0	100.01
2002	339	23	955	364.92	-354.582	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100
2002	340	23	931	366.183	-356.996	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.03
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	1010	357.824	-354.865	D	7.621	7.593	0.028	3.3	0	0	0	0	0	100
2002	343	23	1017	356.894	-355.206	D	7.612	7.593	0.02	3.3	0	0	0	0	0	100
2002	344	23	1008	358.048	-354.775	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100
2002	345	23	967	363.478	-354.116	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.02
2002	346	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	0	0	0	0	0	99.84
2002	347	23	1039	356.522	-357.599	D	7.638	7.593	0.046	3.3	0	0	0	0	0	100
2002	348	23	714	364.799	-358.592	D	7.778	7.593	0.185	3.3	0	0	0	0	0	100
2002	349	23	762	365.141	-355.082	D	7.593	7.593	0	3.3	0	0	0	0	0	97.23
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	78	358.239	-356.385	D	7.639	7.593	0.046	3.3	0	0	0	0	0	100
2002	354	23	78	358.239	-356.385	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.01
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	958	364.309	-354.601	D	7.651	7.593	0.058	3.3	0	0	0	0	0	100
2002	357	23	927	365.912	-357.454	D	7.616	7.593	0.024	3.3	0	0	0	0	0	100.01
2002	358	23	811	357.434	-360.225	D	7.626	7.593	0.033	3.3	0	0	0	0	0	100
2002	359	23	927	365.912	-357.454	D	7.686	7.593	0.093	3.3	0	0	0	0	0	100
2002	360	23	931	366.183	-356.996	D	7.597	7.593	0.005	3.3	0	0	0	0	0	100.01
2002	361	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.14
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	78	358.239	-356.385	D	7.61	7.593	0.017	3.3	0	0	0	0	0	100.01
									0.185							
EXIDE											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1017	356.894	-355.206	D	7.549	7.548	0	3.204	81.53	13.81	0	0	0	4.63
2002	2	23	1035	356.477	-356.792	D	7.554	7.546	0.008	3.2	87.06	9.67	0	0	0	3.27
2002	3	23	1017	356.894	-355.206	D	7.551	7.546	0.005	3.2	88.94	8.28	0	0	0	2.79
2002	4	23	930	366.19	-357.232	D	7.548	7.546	0.001	3.2	92.06	6.3	0	0	0	1.77
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	81.42	4.96	0	0	0	0.9
2002	6	23	1037	356.5	-357.195	D	7.551	7.546	0.005	3.2	90.36	7	0	0	0	2.62
2002	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	90.61	12.15	0	0	0	3.14
2002	8	23	1016	357.1	-355.198	D	7.547	7.546	0	3.2	85.66	11.73	0	0	0	2.59
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	1016	357.1	-355.198	D	7.547	7.546	0.001	3.2	92.75	4.66	0	0	0	2.72
2002	11	23	811	357.434	-360.225	D	7.549	7.546	0.002	3.2	79.68	13.62	0	0	0	6.78
2002	12	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	91.64	5.84	0	0	0	2.8
2002	13	23	931	366.183	-356.996	D	7.546	7.546	0	3.2	91.06	5.65	0	0	0	2.89
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	131.57	6.32	0	0	0	2.38
2002	17	23	822	358.021	-361.607	D	7.55	7.546	0.004	3.2	85.5	10.22	0	0	0	4.32
2002	18	23	61	357.936	-355.15	D	7.546	7.546	0	3.2	88.26	9.4	0	0	0	2.44
2002	19	23	949	365.722	-354.966	D	7.546	7.546	0	3.2	92.97	5.47	0	0	0	1.63
2002	20	23	931	366.183	-356.996	D	7.547	7.546	0.001	3.2	95.63	3.55	0	0	0	0.94

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	21	23	747	364.871	-354.594	D	7.546	7.546	0	3.2	96.47	2.67	0	0	0	0.7
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	949	365.722	-354.966	D	7.549	7.546	0.003	3.2	93.54	5.35	0	0	0	1.12
2002	25	23	821	358.053	-361.416	D	7.547	7.546	0	3.2	84.93	11.11	0	0	0	4.13
2002	26	23	619	363.872	-360.131	D	7.546	7.546	0	3.2	96.14	3.69	0	0	0	1.97
2002	27	23	605	363.514	-357.65	D	7.546	7.546	0	3.2	93.75	2.5	0	0	0	1.49
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	964	363.678	-354.148	D	7.547	7.546	0.001	3.2	93.21	5.21	0	0	0	1.64
2002	30	23	967	363.478	-354.116	D	7.569	7.546	0.023	3.2	93.88	4.93	0	0	0	1.19
2002	31	23	1035	356.477	-356.792	D	7.571	7.546	0.024	3.2	96.3	3.02	0	0	0	0.68
2002	32	23	949	365.722	-354.966	D	7.414	7.411	0.003	2.913	96.01	3.5	0	0	0	0.52
2002	33	23	763	365.51	-357.811	D	7.406	7.406	0	2.9	94.5	4.07	0	0	0	2.34
2002	34	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	96.42	3.91	0	0	0	1.61
2002	35	23	947	365.801	-355.162	D	7.407	7.406	0.001	2.9	89.55	7.21	0	0	0	3.37
2002	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	38	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	41	23	822	358.021	-361.607	D	7.406	7.406	0.001	2.9	90.81	6.4	0	0	0	3
2002	42	23	822	358.021	-361.607	D	7.406	7.406	0	2.9	95.2	4.25	0	0	0	1.74
2002	43	23	1017	356.894	-355.206	D	7.407	7.406	0.001	2.9	89.76	4.99	0	0	0	5.35
2002	44	23	822	358.021	-361.607	D	7.406	7.406	0	2.9	89.71	6.16	0	0	0	4.33
2002	45	23	1016	357.1	-355.198	D	7.406	7.406	0.001	2.9	88.33	8.89	0	0	0	3.19
2002	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	139.55	3.74	0	0	0	1.98
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	822	358.021	-361.607	D	7.407	7.406	0.001	2.9	86.99	7.2	0	0	0	6.05
2002	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	95.14	3.09	0	0	0	2.18
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	747	364.871	-354.594	D	7.406	7.406	0	2.9	92.51	3.41	0	0	0	4.27
2002	53	23	822	358.021	-361.607	D	7.406	7.406	0.001	2.9	91.35	5.24	0	0	0	3.38
2002	54	23	1035	356.477	-356.792	D	7.406	7.406	0	2.9	92.25	5.56	0	0	0	2.66
2002	55	23	763	365.51	-357.811	D	7.406	7.406	0	2.9	96.49	2.88	0	0	0	1.29
2002	56	23	906	364.982	-359.812	D	7.406	7.406	0	2.9	88.69	8.97	0	0	0	2.48
2002	57	23	821	358.053	-361.416	D	7.406	7.406	0.001	2.9	71.34	20.24	0	0	0	8.53
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	1038	356.511	-357.396	D	7.311	7.311	0	2.7	105.49	4.55	0	0	0	1.21
2002	62	23	965	363.588	-354.142	D	7.312	7.311	0.001	2.7	86.35	9.74	0	0	0	3.83
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	72	23	966	363.538	-354.124	D	7.311	7.311	0.001	2.7	94.18	3.31	0	0	0	2.66
2002	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	74	23	822	358.021	-361.607	D	7.312	7.311	0.001	2.7	89.94	7.27	0	0	0	2.89
2002	75	23	844	360.75	-362.146	D	7.311	7.311	0	2.7	91.07	4.48	0	0	0	1.54
2002	76	23	44	358.21	-361.379	D	7.311	7.311	0	2.7	97.99	1.77	0	0	0	0.88
2002	77	23	777	365.725	-357.053	D	7.311	7.311	0	2.7	98.07	1.72	0	0	0	0.73
2002	78	23	27	357.451	-355.421	D	7.311	7.311	0	2.7	98.63	1.67	0	0	0	0.43
2002	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	96.4	1.57	0	0	0	0.37
2002	80	23	905	364.788	-359.816	D	7.312	7.311	0.001	2.7	87.34	8.38	0	0	0	4.26
2002	81	23	1036	356.488	-356.993	D	7.311	7.311	0	2.7	85.42	10.55	0	0	0	4.69
2002	82	23	1016	357.1	-355.198	D	7.312	7.311	0.001	2.7	90.41	7.69	0	0	0	1.99
2002	83	23	783	365.659	-355.558	D	7.311	7.311	0	2.7	96.33	1.94	0	0	0	0.6
2002	84	23	594	363.123	-354.422	D	7.311	7.311	0	2.7	97.51	2.54	0	0	0	0.33
2002	85	23	406	361.15	-354.758	D	7.311	7.311	0	2.7	97.7	2.12	0	0	0	0.21
2002	86	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	92.93	5.11	0	0	0	2.2
2002	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	88	23	1016	357.1	-355.198	D	7.311	7.311	0	2.7	98.11	0.62	0	0	0	1.67
2002	89	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	90.74	4.93	0	0	0	4
2002	90	23	62	357.925	-354.901	D	7.311	7.311	0	2.7	99.84	0.38	0	0	0	3.1
2002	91	23	643	363.609	-354.151	D	7.311	7.311	0.001	2.7	95.38	2.21	0	0	0	2.55
2002	92	23	711	364.832	-359.339	D	7.311	7.311	0	2.7	96.1	1.67	0	0	0	2.3
2002	93	23	15	357.659	-360.155	D	7.311	7.311	0	2.7	95.02	0.71	0	0	0	1.53
2002	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	96	23	785	365.637	-355.06	D	7.311	7.311	0	2.7	98.3	0.7	0	0	0	1.47
2002	97	23	947	365.801	-355.162	D	7.311	7.311	0	2.7	99.14	0.67	0	0	0	1.15
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	102	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	98.65	0.55	0	0	0	2.02
2002	103	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	95.96	2.85	0	0	0	1.38
2002	104	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	98.17	1.25	0	0	0	0.91
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	98.15	1.31	0	0	0	1.56
2002	111	23	643	363.609	-354.151	D	7.312	7.311	0.001	2.7	98.03	1.2	0	0	0	0.81
2002	112	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	97.97	0.82	0	0	0	1.22
2002	113	23	930	366.19	-357.232	D	7.313	7.311	0.003	2.7	98.78	0.36	0	0	0	0.89
2002	114	23	643	363.609	-354.151	D	7.313	7.311	0.002	2.7	98.04	0.55	0	0	0	1.43
2002	115	23	906	364.982	-359.812	D	7.311	7.311	0	2.7	97.7	0.83	0	0	0	1.74
2002	116	23	784	365.648	-355.309	D	7.311	7.311	0	2.7	99.48	1.16	0	0	0	2.01
2002	117	23	785	365.637	-355.06	D	7.311	7.311	0	2.7	97.48	0.74	0	0	0	1.54
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	97.09	0.88	0	0	0	2.07
2002	120	23	643	363.609	-354.151	D	7.312	7.311	0.002	2.7	99	0.18	0	0	0	0.94
2002	121	23	3	356.524	-356.959	D	7.581	7.581	0	3.275	101.04	0.23	0	0	0	0.52
2002	122	23	2	356.535	-357.209	D	7.594	7.593	0.001	3.3	98.75	0.65	0	0	0	0.58
2002	123	23	821	358.053	-361.416	D	7.594	7.593	0.001	3.3	99.22	0.26	0	0	0	0.51
2002	124	23	1	356.546	-357.458	D	7.594	7.593	0.001	3.3	99.24	0.34	0	0	0	0.46
2002	125	23	15	357.659	-360.155	D	7.593	7.593	0.001	3.3	99.57	0.21	0	0	0	0.42
2002	126	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	100.22	0.05	0	0	0	0.31
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	92.86	3.39	0	0	0	3.57
2002	130	23	974	362.281	-354.249	D	7.595	7.593	0.002	3.3	97.46	0.77	0	0	0	1.79
2002	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.01	0.49	0	0	0	0.38
2002	132	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	97.44	1.81	0	0	0	0.91
2002	133	23	955	364.92	-354.582	D	7.602	7.593	0.01	3.3	96.84	2.42	0	0	0	0.73
2002	134	23	948	365.727	-355.056	D	7.594	7.593	0.001	3.3	96.14	1.22	0	0	0	2.57
2002	135	23	929	366.032	-357.239	D	7.593	7.593	0	3.3	98.61	0.26	0	0	0	1.13
2002	136	23	3	356.524	-356.959	D	7.593	7.593	0	3.3	10.33	0	0	0	0	0.09
2002	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	139	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	98.13	0.22	0	0	0	1.66
2002	140	23	822	358.021	-361.607	D	7.595	7.593	0.003	3.3	98.31	0.33	0	0	0	1.41
2002	141	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	99.29	0.12	0	0	0	0.85
2002	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.51	0.13	0	0	0	0.55
2002	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	98.47	0.28	0	0	0	1.36
2002	146	23	822	358.021	-361.607	D	7.602	7.593	0.01	3.3	98.54	0.56	0	0	0	0.91
2002	147	23	1007	358.259	-354.768	D	7.594	7.593	0.001	3.3	99.28	0.06	0	0	0	0.73
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	98.39	0.09	0	0	0	0.88
2002	157	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	98.59	0.12	0	0	0	1.29
2002	158	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	98.94	0.07	0	0	0	1.03
2002	159	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	102.36	0.03	0	0	0	0.5
2002	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	67.76	0	0	0	0	0.27
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	967	363.478	-354.116	D	7.593	7.593	0	3.3	99	0.01	0	0	0	0.79
2002	165	23	906	364.982	-359.812	D	7.596	7.593	0.004	3.3	98.56	0.32	0	0	0	1.13
2002	166	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	96.28	0.46	0	0	0	3.33
2002	167	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	98.52	0.05	0	0	0	1.46
2002	168	23	845	360.851	-362.181	D	7.595	7.593	0.003	3.3	98.62	0.12	0	0	0	1.26
2002	169	23	907	365.051	-359.809	D	7.595	7.593	0.002	3.3	99.09	0.03	0	0	0	0.84
2002	170	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	99.43	0.04	0	0	0	0.65
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	55.14	0	0	0	0	0.4
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	946	365.798	-355.322	D	7.593	7.593	0	3.3	99.26	0.18	0	0	0	0.91
2002	180	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	98.95	0.07	0	0	0	0.68
2002	181	23	84	358.173	-354.889	D	7.593	7.593	0	3.3	93.54	0.01	0	0	0	0.58
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	191	23	84	358.173	-354.889	D	7.593	7.593	0	3.3	67.14	0.01	0	0	0	0.69
2002	192	23	941	365.977	-355.774	D	7.596	7.593	0.003	3.3	98.76	0.4	0	0	0	0.83
2002	193	23	930	366.19	-357.232	D	7.597	7.593	0.004	3.3	99.22	0.14	0	0	0	0.68
2002	194	23	3	356.524	-356.959	D	7.595	7.593	0.002	3.3	99.02	0.41	0	0	0	0.62
2002	195	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	99.18	0.06	0	0	0	0.57
2002	196	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	99.57	0.23	0	0	0	0.59
2002	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.21	0.11	0	0	0	0.55
2002	198	23	3	356.524	-356.959	D	7.593	7.593	0	3.3	99.6	0.02	0	0	0	0.59
2002	199	23	405	361.161	-355.008	D	7.593	7.593	0	3.3	100.11	0.03	0	0	0	0.57
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	205	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	101.37	0.06	0	0	0	0.94
2002	206	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	99.19	0.13	0	0	0	0.71
2002	207	23	10	356.954	-355.443	D	7.594	7.593	0.001	3.3	99.38	0.03	0	0	0	0.65
2002	208	23	618	363.371	-354.411	D	7.593	7.593	0	3.3	99.8	0.04	0	0	0	0.56
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	35.77	0	0	0	0	0.4
2002	215	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	95.63	0.01	0	0	0	1

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	643	363.609	-354.151	D	7.593	7.593	0.001	3.3	98.56	0.3	0	0	0	1.18
2002	227	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	98.06	0.04	0	0	0	0.95
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	1017	356.894	-355.206	D	7.598	7.593	0.005	3.3	98.89	0.15	0	0	0	0.97
2002	237	23	822	358.021	-361.607	D	7.6	7.593	0.007	3.3	98.99	0.26	0	0	0	0.76
2002	238	23	163	359.462	-361.573	D	7.593	7.593	0	3.3	98.93	0.03	0	0	0	0.67
2002	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	542	362.638	-354.693	D	7.639	7.639	0	3.4	79.81	0.01	0	0	0	1.7
2002	247	23	973	362.512	-354.246	D	7.639	7.639	0	3.4	98.08	0.08	0	0	0	1.38
2002	248	23	62	357.925	-354.901	D	7.639	7.639	0	3.4	99.16	0.03	0	0	0	0.97
2002	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	99.22	0.01	0	0	0	0.79
2002	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	109.15	0.01	0	0	0	0.76
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	822	358.021	-361.607	D	7.642	7.639	0.003	3.4	96.33	1.52	0	0	0	2.15

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	255	23	301	360.724	-362.017	D	7.639	7.639	0	3.4	96.47	0.03	0	0	0	1.26
2002	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	257	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	259	23	822	358.021	-361.607	D	7.639	7.639	0	3.4	99.13	0.03	0	0	0	0.94
2002	260	23	822	358.021	-361.607	D	7.645	7.639	0.006	3.4	99	0.22	0	0	0	0.81
2002	261	23	789	365.918	-355.796	D	7.641	7.639	0.002	3.4	99.06	0.33	0	0	0	0.65
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	775	365.747	-357.551	D	7.639	7.639	0	3.4	98.41	0.2	0	0	0	1.34
2002	266	23	10	356.954	-355.443	D	7.639	7.639	0	3.4	97.49	0.08	0	0	0	2.46
2002	267	23	1008	358.048	-354.775	D	7.639	7.639	0	3.4	97.73	0.24	0	0	0	1.78
2002	268	23	955	364.92	-354.582	D	7.639	7.639	0	3.4	98.46	0.23	0	0	0	1.23
2002	269	23	1017	356.894	-355.206	D	7.639	7.639	0	3.4	98.9	0.13	0	0	0	0.87
2002	270	23	1017	356.894	-355.206	D	7.639	7.639	0.001	3.4	98.81	0.05	0	0	0	1.55
2002	271	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	98.57	0.34	0	0	0	1.12
2002	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	96.41	0.03	0	0	0	0.61
2002	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	130.82	0.01	0	0	0	0.56
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	85.8	8.83	0	0	0	5.54
2002	279	23	191	359.732	-362.061	D	7.5	7.5	0	3.1	98.65	0.35	0	0	0	1.07
2002	280	23	930	366.19	-357.232	D	7.501	7.5	0.002	3.1	94.2	1.66	0	0	0	4.17
2002	281	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	283	23	544	363.15	-360.662	D	7.5	7.5	0	3.1	103.57	0.74	0	0	0	0.7
2002	284	23	163	359.462	-361.573	D	7.5	7.5	0	3.1	107.32	0.58	0	0	0	0.6
2002	285	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	95	4.02	0	0	0	1.86
2002	286	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	95.35	3.12	0	0	0	1.41
2002	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	288	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	92.78	1.38	0	0	0	5.91
2002	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	72.65	0.24	0	0	0	0.93
2002	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	291	23	1014	357.512	-355.186	D	7.5	7.5	0	3.1	98.31	0.72	0	0	0	1.02
2002	292	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	94.74	3.42	0	0	0	2.02
2002	293	23	845	360.851	-362.181	D	7.5	7.5	0	3.1	98.34	1.83	0	0	0	0.76

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	99.33	0.7	0	0	0	0.73
2002	295	23	15	357.659	-360.155	D	7.5	7.5	0	3.1	99.7	0.43	0	0	0	0.58
2002	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	100.99	0.2	0	0	0	0.59
2002	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	298	23	1035	356.477	-356.792	D	7.502	7.5	0.003	3.1	93.95	4.38	0	0	0	1.7
2002	299	23	930	366.19	-357.232	D	7.522	7.5	0.023	3.1	94.52	3.94	0	0	0	1.55
2002	300	23	832	359.493	-362.061	D	7.503	7.5	0.003	3.1	97.5	1.53	0	0	0	1
2002	301	23	1035	356.477	-356.792	D	7.502	7.5	0.003	3.1	97.89	1.45	0	0	0	0.68
2002	302	23	811	357.434	-360.225	D	7.501	7.5	0.001	3.1	98.24	1.26	0	0	0	0.63
2002	303	23	822	358.021	-361.607	D	7.5	7.5	0	3.1	98.41	0.4	0	0	0	0.54
2002	304	23	44	358.21	-361.379	D	7.5	7.5	0	3.1	95.56	2.61	0	0	0	0.84
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	1008	358.048	-354.775	D	7.503	7.5	0.003	3.1	90.95	6.44	0	0	0	2.64
2002	307	23	965	363.588	-354.142	D	7.5	7.5	0.001	3.1	94.85	4.15	0	0	0	1.17
2002	308	23	947	365.801	-355.162	D	7.501	7.5	0.001	3.1	96.61	2.7	0	0	0	0.82
2002	309	23	785	365.637	-355.06	D	7.501	7.5	0.001	3.1	97.04	2.41	0	0	0	0.68
2002	310	23	949	365.722	-354.966	D	7.503	7.5	0.003	3.1	95.8	3.15	0	0	0	1.11
2002	311	23	710	364.843	-359.589	D	7.5	7.5	0	3.1	95.07	0.98	0	0	0	0.8
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	618	363.371	-354.411	D	7.5	7.5	0	3.1	88.5	1.01	0	0	0	3.36
2002	315	23	949	365.722	-354.966	D	7.5	7.5	0.001	3.1	93.48	3.08	0	0	0	3.46
2002	316	23	28	357.918	-360.393	D	7.501	7.5	0.001	3.1	88.48	7.71	0	0	0	3.77
2002	317	23	191	359.732	-362.061	D	7.5	7.5	0	3.1	91.68	4.15	0	0	0	3.66
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	10	356.954	-355.443	D	7.5	7.5	0.001	3.1	91.47	6.73	0	0	0	1.93
2002	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	131.01	8.95	0	0	0	5.4
2002	321	23	947	365.801	-355.162	D	7.5	7.5	0.001	3.1	87.01	10.04	0	0	0	3.07
2002	322	23	642	363.62	-354.4	D	7.5	7.5	0	3.1	88.52	4.66	0	0	0	1.92
2002	323	23	822	358.021	-361.607	D	7.503	7.5	0.004	3.1	84.66	8.94	0	0	0	6.47
2002	324	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	95.23	2.65	0	0	0	3.25
2002	325	23	643	363.609	-354.151	D	7.5	7.5	0	3.1	93.38	2.22	0	0	0	4.65
2002	326	23	1017	356.894	-355.206	D	7.5	7.5	0.001	3.1	90.22	5.75	0	0	0	4.21
2002	327	23	930	366.19	-357.232	D	7.501	7.5	0.002	3.1	90.39	6.88	0	0	0	2.89
2002	328	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	96.81	3.09	0	0	0	2.04
2002	329	23	301	360.724	-362.017	D	7.5	7.5	0	3.1	95.22	4.35	0	0	0	0.93
2002	330	23	822	358.021	-361.607	D	7.5	7.5	0	3.1	91.97	6.25	0	0	0	2.72
2002	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	93.38	5.56	0	0	0	1.84
2002	332	23	84	358.173	-354.889	D	7.5	7.5	0	3.1	94.87	3.92	0	0	0	1.48

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	333	23	710	364.843	-359.589	D	7.5	7.5	0	3.1	97.97	2.45	0	0	0	1.28
2002	334	23	948	365.727	-355.056	D	7.5	7.5	0.001	3.1	80.9	11.48	0	0	0	7.58
2002	335	23	949	365.722	-354.966	D	7.59	7.589	0.001	3.292	77.44	15.98	0	0	0	6.56
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	85.71	11.17	0	0	0	3.09
2002	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	339	23	3	356.524	-356.959	D	7.593	7.593	0	3.3	83.87	8.14	0	0	0	2.66
2002	340	23	785	365.637	-355.06	D	7.594	7.593	0.001	3.3	89.43	8.13	0	0	0	2.45
2002	341	23	301	360.724	-362.017	D	7.593	7.593	0	3.3	96.01	5.6	0	0	0	1.73
2002	342	23	963	363.809	-354.192	D	7.593	7.593	0	3.3	94.89	3.58	0	0	0	1.27
2002	343	23	1037	356.5	-357.195	D	7.594	7.593	0.002	3.3	95.47	3.64	0	0	0	0.92
2002	344	23	1016	357.1	-355.198	D	7.593	7.593	0.001	3.3	96.42	2.83	0	0	0	0.67
2002	345	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	97.41	2.39	0	0	0	0.57
2002	346	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	97.06	1.87	0	0	0	0.55
2002	347	23	1035	356.477	-356.792	D	7.593	7.593	0	3.3	96.64	2.25	0	0	0	0.92
2002	348	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	94.71	3.79	0	0	0	1.52
2002	349	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	97.02	2.13	0	0	0	0.92
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	93.48	4.87	0	0	0	1.95
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	75.54	17	0	0	0	7.53
2002	357	23	163	359.462	-361.573	D	7.593	7.593	0	3.3	86.41	8.66	0	0	0	2.01
2002	358	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	86.2	11.46	0	0	0	2.32
2002	359	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	72.87	18.72	0	0	0	8.43
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	780	365.692	-356.306	D	7.593	7.593	0	3.3	75.72	4.46	0	0	0	0.99
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	93.17	5.23	0	0	0	1.66
									0.024							
TRIGEN KC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1035	356.477	-356.792	D	7.55	7.548	0.002	3.204	89.85	9.75	0	0	0	0.43

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	2	23	1035	356.477	-356.792	D	7.585	7.546	0.039	3.2	92.52	7.16	0	0	0	0.33
2002	3	23	949	365.722	-354.966	D	7.564	7.546	0.018	3.2	93.1	6.6	0	0	0	0.3
2002	4	23	930	366.19	-357.232	D	7.55	7.546	0.004	3.2	95.43	4.45	0	0	0	0.16
2002	5	23	784	365.648	-355.309	D	7.546	7.546	0	3.2	95.83	3.36	0	0	0	0.08
2002	6	23	773	365.4	-355.32	D	7.57	7.546	0.024	3.2	94.43	5.28	0	0	0	0.3
2002	7	23	1017	356.894	-355.206	D	7.547	7.546	0.001	3.2	91.94	7.92	0	0	0	0.27
2002	8	23	643	363.609	-354.151	D	7.548	7.546	0.001	3.2	92.19	7.6	0	0	0	0.22
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	1010	357.824	-354.865	D	7.556	7.546	0.01	3.2	96.9	2.89	0	0	0	0.21
2002	11	23	1039	356.522	-357.599	D	7.558	7.546	0.012	3.2	90.68	8.78	0	0	0	0.56
2002	12	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	95.19	4.5	0	0	0	0.27
2002	13	23	946	365.798	-355.322	D	7.546	7.546	0	3.2	93.91	4.19	0	0	0	0.34
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	746	364.882	-354.843	D	7.546	7.546	0	3.2	93.61	5.33	0	0	0	0.21
2002	17	23	822	358.021	-361.607	D	7.553	7.546	0.007	3.2	89.82	9.61	0	0	0	0.6
2002	18	23	1017	356.894	-355.206	D	7.549	7.546	0.003	3.2	92.43	7.42	0	0	0	0.23
2002	19	23	1017	356.894	-355.206	D	7.557	7.546	0.011	3.2	96.52	3.35	0	0	0	0.14
2002	20	23	949	365.722	-354.966	D	7.623	7.546	0.077	3.2	96.05	3.83	0	0	0	0.12
2002	21	23	643	363.609	-354.151	D	7.546	7.546	0	3.2	97.35	2.53	0	0	0	0.05
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	949	365.722	-354.966	D	7.55	7.546	0.004	3.2	96.95	2.96	0	0	0	0.1
2002	25	23	822	358.021	-361.607	D	7.55	7.546	0.003	3.2	92.61	7.02	0	0	0	0.38
2002	26	23	906	364.982	-359.812	D	7.546	7.546	0	3.2	98.4	2.24	0	0	0	0.16
2002	27	23	709	364.375	-354.616	D	7.546	7.546	0	3.2	95.88	1.41	0	0	0	0.12
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1017	356.894	-355.206	D	7.549	7.546	0.002	3.2	95.2	4.66	0	0	0	0.17
2002	30	23	1017	356.894	-355.206	D	7.638	7.546	0.092	3.2	95.78	4.1	0	0	0	0.12
2002	31	23	1039	356.522	-357.599	D	7.601	7.546	0.055	3.2	97.55	2.39	0	0	0	0.06
2002	32	23	949	365.722	-354.966	D	7.418	7.411	0.007	2.913	96.78	3.16	0	0	0	0.05
2002	33	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	97.12	2.9	0	0	0	0.22
2002	34	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	97.69	2.49	0	0	0	0.15
2002	35	23	949	365.722	-354.966	D	7.412	7.406	0.006	2.9	89.35	9.95	0	0	0	0.71
2002	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	135.23	6.41	0	0	0	0.33
2002	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	98.59	3.63	0	0	0	0.13
2002	38	23	949	365.722	-354.966	D	7.421	7.406	0.016	2.9	96.84	2.98	0	0	0	0.19
2002	39	23	930	366.19	-357.232	D	7.41	7.406	0.004	2.9	97.48	2.47	0	0	0	0.12
2002	40	23	594	363.123	-354.422	D	7.406	7.406	0	2.9	98.87	1.2	0	0	0	0.04

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	41	23	1008	358.048	-354.775	D	7.421	7.406	0.015	2.9	96.8	2.91	0	0	0	0.28
2002	42	23	822	358.021	-361.607	D	7.411	7.406	0.006	2.9	96.17	3.58	0	0	0	0.29
2002	43	23	822	358.021	-361.607	D	7.409	7.406	0.004	2.9	95.15	4.42	0	0	0	0.49
2002	44	23	810	357.434	-360.005	D	7.406	7.406	0	2.9	95.43	4.83	0	0	0	0.41
2002	45	23	1017	356.894	-355.206	D	7.413	7.406	0.008	2.9	93.68	6.09	0	0	0	0.27
2002	46	23	949	365.722	-354.966	D	7.407	7.406	0.001	2.9	96.04	3.64	0	0	0	0.46
2002	47	23	941	365.977	-355.774	D	7.406	7.406	0	2.9	95.89	3.47	0	0	0	0.31
2002	48	23	822	358.021	-361.607	D	7.408	7.406	0.003	2.9	90.17	8.96	0	0	0	1.01
2002	49	23	1039	356.522	-357.599	D	7.407	7.406	0.002	2.9	96.37	3.49	0	0	0	0.21
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	949	365.722	-354.966	D	7.407	7.406	0.002	2.9	96.86	2.67	0	0	0	0.52
2002	53	23	191	359.732	-362.061	D	7.408	7.406	0.003	2.9	93.95	5.47	0	0	0	0.59
2002	54	23	1035	356.477	-356.792	D	7.409	7.406	0.004	2.9	95.46	4.37	0	0	0	0.24
2002	55	23	930	366.19	-357.232	D	7.407	7.406	0.001	2.9	97.66	2.33	0	0	0	0.12
2002	56	23	907	365.051	-359.809	D	7.408	7.406	0.002	2.9	91.72	7.98	0	0	0	0.41
2002	57	23	947	365.801	-355.162	D	7.407	7.406	0.002	2.9	78.39	20	0	0	0	1.68
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	822	358.021	-361.607	D	7.327	7.311	0.016	2.7	92.76	6.89	0	0	0	0.36
2002	62	23	949	365.722	-354.966	D	7.317	7.311	0.006	2.7	90.58	8.57	0	0	0	0.86
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	932	366.176	-356.761	D	7.312	7.311	0.002	2.7	94.25	5.53	0	0	0	0.19
2002	71	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	100.81	0.47	0	0	0	0.27
2002	72	23	852	361.595	-362.148	D	7.318	7.311	0.008	2.7	98.07	1.76	0	0	0	0.17
2002	73	23	947	365.801	-355.162	D	7.311	7.311	0.001	2.7	99.44	0.5	0	0	0	0.08
2002	74	23	853	361.666	-362.175	D	7.313	7.311	0.003	2.7	93.08	6.61	0	0	0	0.4
2002	75	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	76	23	710	364.843	-359.589	D	7.311	7.311	0	2.7	98.9	2.16	0	0	0	0.05
2002	77	23	403	361.183	-355.506	D	7.311	7.311	0	2.7	101.09	1.01	0	0	0	0.1
2002	78	23	775	365.747	-357.551	D	7.311	7.311	0	2.7	99.88	1.25	0	0	0	0.03
2002	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	100.73	1.32	0	0	0	0.03

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	80	23	930	366.19	-357.232	D	7.317	7.311	0.007	2.7	92.82	6.71	0	0	0	0.48
2002	81	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	91.67	7.93	0	0	0	0.49
2002	82	23	1017	356.894	-355.206	D	7.32	7.311	0.009	2.7	93.45	6.33	0	0	0	0.24
2002	83	23	785	365.637	-355.06	D	7.311	7.311	0	2.7	98.43	1.6	0	0	0	0.09
2002	84	23	643	363.609	-354.151	D	7.311	7.311	0.001	2.7	98.06	2.21	0	0	0	0.05
2002	85	23	777	365.725	-357.053	D	7.312	7.311	0.001	2.7	98.17	1.83	0	0	0	0.03
2002	86	23	1017	356.894	-355.206	D	7.323	7.311	0.012	2.7	97.63	2.24	0	0	0	0.14
2002	87	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	99.38	0.63	0	0	0	0.1
2002	88	23	1035	356.477	-356.792	D	7.315	7.311	0.004	2.7	99.57	0.36	0	0	0	0.12
2002	89	23	832	359.493	-362.061	D	7.311	7.311	0.001	2.7	99.64	0.27	0	0	0	0.08
2002	90	23	1017	356.894	-355.206	D	7.311	7.311	0.001	2.7	99.61	0.35	0	0	0	0.31
2002	91	23	964	363.678	-354.148	D	7.321	7.311	0.01	2.7	97.7	2.02	0	0	0	0.28
2002	92	23	1039	356.522	-357.599	D	7.329	7.311	0.019	2.7	97.95	1.84	0	0	0	0.23
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	96	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	99.15	0.82	0	0	0	0.13
2002	97	23	933	366.169	-356.524	D	7.311	7.311	0.001	2.7	99.37	0.58	0	0	0	0.09
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	811	357.434	-360.225	D	7.313	7.311	0.002	2.7	97.79	2.08	0	0	0	0.12
2002	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	102	23	1007	358.259	-354.768	D	7.311	7.311	0	2.7	99.77	0.36	0	0	0	0.17
2002	103	23	1008	358.048	-354.775	D	7.326	7.311	0.015	2.7	98.08	1.82	0	0	0	0.12
2002	104	23	1007	358.259	-354.768	D	7.312	7.311	0.002	2.7	99.51	0.45	0	0	0	0.08
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	964	363.678	-354.148	D	7.319	7.311	0.008	2.7	98.93	0.95	0	0	0	0.17
2002	111	23	967	363.478	-354.116	D	7.328	7.311	0.018	2.7	98.98	0.94	0	0	0	0.1
2002	112	23	964	363.678	-354.148	D	7.314	7.311	0.004	2.7	99.37	0.44	0	0	0	0.24
2002	113	23	949	365.722	-354.966	D	7.317	7.311	0.006	2.7	99.45	0.46	0	0	0	0.13
2002	114	23	947	365.801	-355.162	D	7.313	7.311	0.002	2.7	99.31	0.5	0	0	0	0.2
2002	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	116	23	643	363.609	-354.151	D	7.311	7.311	0.001	2.7	98.22	1.82	0	0	0	0.18
2002	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	119	23	822	358.021	-361.607	D	7.322	7.311	0.011	2.7	98.41	1.38	0	0	0	0.22
2002	120	23	1017	356.894	-355.206	D	7.314	7.311	0.004	2.7	99.84	0.12	0	0	0	0.1
2002	121	23	62	357.925	-354.901	D	7.581	7.581	0	3.275	99.6	0.17	0	0	0	0.06
2002	122	23	822	358.021	-361.607	D	7.641	7.593	0.049	3.3	97.79	2.11	0	0	0	0.1
2002	123	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	99.76	0.23	0	0	0	0.05
2002	124	23	822	358.021	-361.607	D	7.612	7.593	0.02	3.3	99.43	0.53	0	0	0	0.04
2002	125	23	832	359.493	-362.061	D	7.607	7.593	0.015	3.3	99.78	0.19	0	0	0	0.03
2002	126	23	948	365.727	-355.056	D	7.596	7.593	0.003	3.3	99.94	0.04	0	0	0	0.02
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	92.34	7.01	0	0	0	0.63
2002	130	23	1017	356.894	-355.206	D	7.599	7.593	0.007	3.3	98.71	1.12	0	0	0	0.2
2002	131	23	786	365.973	-357.042	D	7.593	7.593	0	3.3	99.42	0.38	0	0	0	0.04
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	949	365.722	-354.966	D	7.609	7.593	0.017	3.3	97.79	2.15	0	0	0	0.06
2002	134	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	97.32	2.32	0	0	0	0.41
2002	135	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	99.68	0.25	0	0	0	0.11
2002	136	23	454	361.657	-354.986	D	7.593	7.593	0	3.3	72.16	0.03	0	0	0	0.05
2002	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	113.19	1.46	0	0	0	0.09
2002	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	139	23	1039	356.522	-357.599	D	7.6	7.593	0.007	3.3	99.56	0.26	0	0	0	0.18
2002	140	23	644	364.12	-360.12	D	7.624	7.593	0.031	3.3	98.64	1.2	0	0	0	0.16
2002	141	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.8	0.15	0	0	0	0.09
2002	142	23	1035	356.477	-356.792	D	7.597	7.593	0.004	3.3	99.82	0.17	0	0	0	0.06
2002	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	822	358.021	-361.607	D	7.615	7.593	0.023	3.3	99.69	0.21	0	0	0	0.1
2002	146	23	907	365.051	-359.809	D	7.606	7.593	0.013	3.3	99.59	0.35	0	0	0	0.06
2002	147	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	99.78	0.19	0	0	0	0.05
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	99.91	0.1	0	0	0	0.09
2002	157	23	1035	356.477	-356.792	D	7.598	7.593	0.006	3.3	99.56	0.36	0	0	0	0.1

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	158	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	99.87	0.05	0	0	0	0.1
2002	159	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	99.64	0.02	0	0	0	0.04
2002	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	103.46	0	0	0	0	0.04
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	966	363.538	-354.124	D	7.595	7.593	0.002	3.3	99.86	0.01	0	0	0	0.08
2002	165	23	1017	356.894	-355.206	D	7.622	7.593	0.029	3.3	99.72	0.18	0	0	0	0.1
2002	166	23	931	366.183	-356.996	D	7.598	7.593	0.006	3.3	98.82	0.7	0	0	0	0.5
2002	167	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	100.11	0.03	0	0	0	0.16
2002	168	23	822	358.021	-361.607	D	7.603	7.593	0.011	3.3	99.8	0.09	0	0	0	0.11
2002	169	23	930	366.19	-357.232	D	7.606	7.593	0.014	3.3	99.91	0.03	0	0	0	0.07
2002	170	23	949	365.722	-354.966	D	7.599	7.593	0.006	3.3	99.92	0.05	0	0	0	0.06
2002	171	23	618	363.371	-354.411	D	7.593	7.593	0	3.3	94.97	0.01	0	0	0	0.06
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	99.81	0.14	0	0	0	0.09
2002	180	23	949	365.722	-354.966	D	7.597	7.593	0.005	3.3	99.9	0.06	0	0	0	0.06
2002	181	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	97.81	0	0	0	0	0.06
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	192	23	930	366.19	-357.232	D	7.597	7.593	0.004	3.3	99.56	0.37	0	0	0	0.09
2002	193	23	907	365.051	-359.809	D	7.599	7.593	0.007	3.3	99.86	0.1	0	0	0	0.06
2002	194	23	907	365.051	-359.809	D	7.596	7.593	0.003	3.3	99.6	0.36	0	0	0	0.05
2002	195	23	219	359.98	-362.05	D	7.593	7.593	0.001	3.3	99.96	0.05	0	0	0	0.04
2002	196	23	407	361.716	-361.973	D	7.593	7.593	0	3.3	99.92	0.12	0	0	0	0.04

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	197	23	219	359.98	-362.05	D	7.593	7.593	0	3.3	99.4	0.02	0	0	0	0.04
2002	198	23	786	365.973	-357.042	D	7.593	7.593	0	3.3	100.65	0.03	0	0	0	0.04
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	963	363.809	-354.192	D	7.601	7.593	0.008	3.3	99.78	0.12	0	0	0	0.09
2002	205	23	853	361.666	-362.175	D	7.599	7.593	0.006	3.3	99.92	0.05	0	0	0	0.07
2002	206	23	822	358.021	-361.607	D	7.594	7.593	0.002	3.3	99.93	0.05	0	0	0	0.05
2002	207	23	930	366.19	-357.232	D	7.598	7.593	0.005	3.3	99.94	0.02	0	0	0	0.05
2002	208	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	100	0.03	0	0	0	0.04
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	99.75	0	0	0	0	0.11
2002	215	23	1008	358.048	-354.775	D	7.593	7.593	0	3.3	99.9	0.02	0	0	0	0.08
2002	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	218	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	99.46	0.07	0	0	0	0.09
2002	219	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.48	0.06	0	0	0	0.08
2002	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	966	363.538	-354.124	D	7.594	7.593	0.001	3.3	99.82	0.08	0	0	0	0.13
2002	227	23	961	364.092	-354.289	D	7.593	7.593	0	3.3	98.41	0.03	0	0	0	0.1
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	236	23	822	358.021	-361.607	D	7.647	7.593	0.054	3.3	99.55	0.35	0	0	0	0.11
2002	237	23	853	361.666	-362.175	D	7.596	7.593	0.003	3.3	99.86	0.09	0	0	0	0.08
2002	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	1007	358.259	-354.768	D	7.641	7.639	0.002	3.4	99.77	0.05	0	0	0	0.14
2002	248	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	100.06	0.01	0	0	0	0.1
2002	249	23	811	357.434	-360.225	D	7.639	7.639	0	3.4	99.88	0.01	0	0	0	0.07
2002	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	22.51	0	0	0	0	0.02
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	930	366.19	-357.232	D	7.652	7.639	0.013	3.4	98.19	1.58	0	0	0	0.24
2002	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	256	23	1039	356.522	-357.599	D	7.639	7.639	0	3.4	99.86	0.01	0	0	0	0.08
2002	257	23	1016	357.1	-355.198	D	7.639	7.639	0	3.4	99.81	0.04	0	0	0	0.06
2002	258	23	1017	356.894	-355.206	D	7.656	7.639	0.017	3.4	99.58	0.32	0	0	0	0.1
2002	259	23	907	365.051	-359.809	D	7.681	7.639	0.043	3.4	99.68	0.25	0	0	0	0.08
2002	260	23	1017	356.894	-355.206	D	7.683	7.639	0.044	3.4	99.79	0.15	0	0	0	0.06
2002	261	23	949	365.722	-354.966	D	7.641	7.639	0.002	3.4	99.78	0.19	0	0	0	0.05
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	1035	356.477	-356.792	D	7.644	7.639	0.005	3.4	99.54	0.37	0	0	0	0.12
2002	266	23	1017	356.894	-355.206	D	7.639	7.639	0	3.4	97.31	2.32	0	0	0	0.52
2002	267	23	966	363.538	-354.124	D	7.645	7.639	0.007	3.4	99.52	0.33	0	0	0	0.16
2002	268	23	1008	358.048	-354.775	D	7.644	7.639	0.006	3.4	99.73	0.16	0	0	0	0.1
2002	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	270	23	1035	356.477	-356.792	D	7.645	7.639	0.006	3.4	99.85	0.03	0	0	0	0.15
2002	271	23	1017	356.894	-355.206	D	7.669	7.639	0.03	3.4	99.74	0.16	0	0	0	0.1
2002	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	106.82	0.02	0	0	0	0.08
2002	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	933	366.169	-356.524	D	7.5	7.5	0.001	3.1	87.05	12.04	0	0	0	0.95
2002	279	23	852	361.595	-362.148	D	7.502	7.5	0.002	3.1	99.49	0.39	0	0	0	0.14
2002	280	23	1035	356.477	-356.792	D	7.503	7.5	0.003	3.1	98.52	1.02	0	0	0	0.45
2002	281	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	282	23	14	357.202	-355.432	D	7.5	7.5	0	3.1	110.11	0.75	0	0	0	0.08
2002	283	23	786	365.973	-357.042	D	7.5	7.5	0	3.1	99.94	0.44	0	0	0	0.06
2002	284	23	853	361.666	-362.175	D	7.5	7.5	0	3.1	99.65	0.31	0	0	0	0.05
2002	285	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	97.89	1.98	0	0	0	0.15
2002	286	23	931	366.183	-356.996	D	7.512	7.5	0.012	3.1	98.57	1.29	0	0	0	0.13
2002	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	288	23	947	365.801	-355.162	D	7.501	7.5	0.002	3.1	97.85	1.71	0	0	0	0.55
2002	289	23	380	361.468	-361.984	D	7.5	7.5	0	3.1	96.14	0.13	0	0	0	0.09
2002	290	23	44	358.21	-361.379	D	7.5	7.5	0	3.1	109.34	0.15	0	0	0	0.15
2002	291	23	853	361.666	-362.175	D	7.502	7.5	0.003	3.1	99.55	0.37	0	0	0	0.1
2002	292	23	941	365.977	-355.774	D	7.505	7.5	0.006	3.1	94.69	5.11	0	0	0	0.22
2002	293	23	853	361.666	-362.175	D	7.501	7.5	0.001	3.1	98.32	1.72	0	0	0	0.06
2002	294	23	822	358.021	-361.607	D	7.501	7.5	0.001	3.1	99.46	0.63	0	0	0	0.06
2002	295	23	811	357.434	-360.225	D	7.501	7.5	0.001	3.1	99.65	0.38	0	0	0	0.05
2002	296	23	821	358.053	-361.416	D	7.5	7.5	0	3.1	99.65	0.23	0	0	0	0.04
2002	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	298	23	1017	356.894	-355.206	D	7.532	7.5	0.032	3.1	96.45	3.38	0	0	0	0.17
2002	299	23	930	366.19	-357.232	D	7.569	7.5	0.069	3.1	96.01	3.81	0	0	0	0.18
2002	300	23	822	358.021	-361.607	D	7.502	7.5	0.003	3.1	97.85	2.11	0	0	0	0.12
2002	301	23	1035	356.477	-356.792	D	7.511	7.5	0.012	3.1	98.84	1.12	0	0	0	0.06
2002	302	23	822	358.021	-361.607	D	7.507	7.5	0.008	3.1	99.08	0.89	0	0	0	0.05
2002	303	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	99.57	0.65	0	0	0	0.06
2002	304	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	96.73	3.26	0	0	0	0.09
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	967	363.478	-354.116	D	7.519	7.5	0.02	3.1	95.54	4.21	0	0	0	0.25
2002	307	23	963	363.809	-354.192	D	7.503	7.5	0.003	3.1	97.47	2.5	0	0	0	0.1
2002	308	23	933	366.169	-356.524	D	7.523	7.5	0.023	3.1	97.03	2.84	0	0	0	0.15
2002	309	23	949	365.722	-354.966	D	7.524	7.5	0.025	3.1	97.89	2.03	0	0	0	0.08
2002	310	23	949	365.722	-354.966	D	7.561	7.5	0.061	3.1	96.67	3.19	0	0	0	0.14
2002	311	23	748	365.295	-358.57	D	7.5	7.5	0	3.1	98.59	0.5	0	0	0	0.06
2002	312	23	63	358.458	-361.368	D	7.5	7.5	0	3.1	128.76	0.85	0	0	0	0.07
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	314	23	966	363.538	-354.124	D	7.508	7.5	0.009	3.1	99.09	0.53	0	0	0	0.4
2002	315	23	931	366.183	-356.996	D	7.51	7.5	0.011	3.1	89.84	9.27	0	0	0	0.9
2002	316	23	947	365.801	-355.162	D	7.506	7.5	0.007	3.1	94.89	4.72	0	0	0	0.39
2002	317	23	832	359.493	-362.061	D	7.502	7.5	0.003	3.1	95.21	4.44	0	0	0	0.36
2002	318	23	710	364.843	-359.589	D	7.5	7.5	0	3.1	97.4	1.67	0	0	0	0.19
2002	319	23	5	356.783	-357.198	D	7.501	7.5	0.002	3.1	94.26	5.55	0	0	0	0.18
2002	320	23	3	356.524	-356.959	D	7.5	7.5	0	3.1	94.61	5.47	0	0	0	0.37
2002	321	23	949	365.722	-354.966	D	7.507	7.5	0.007	3.1	93.12	6.58	0	0	0	0.32
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	933	366.169	-356.524	D	7.509	7.5	0.009	3.1	89.7	9.44	0	0	0	0.88
2002	324	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	98.61	1.89	0	0	0	0.31
2002	325	23	949	365.722	-354.966	D	7.5	7.5	0.001	3.1	92.39	6.79	0	0	0	0.99
2002	326	23	1009	357.941	-354.82	D	7.507	7.5	0.008	3.1	95.34	4.26	0	0	0	0.4
2002	327	23	930	366.19	-357.232	D	7.502	7.5	0.002	3.1	95.59	4.23	0	0	0	0.27
2002	328	23	62	357.925	-354.901	D	7.5	7.5	0	3.1	98.67	1.72	0	0	0	0.15
2002	329	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	97.34	2.61	0	0	0	0.07
2002	330	23	822	358.021	-361.607	D	7.501	7.5	0.001	3.1	96.18	3.82	0	0	0	0.23
2002	331	23	809	357.432	-359.845	D	7.5	7.5	0.001	3.1	95.83	3.98	0	0	0	0.16
2002	332	23	1017	356.894	-355.206	D	7.514	7.5	0.015	3.1	95.23	4.63	0	0	0	0.16
2002	333	23	775	365.747	-357.551	D	7.5	7.5	0	3.1	98.03	1.64	0	0	0	0.11
2002	334	23	949	365.722	-354.966	D	7.505	7.5	0.005	3.1	90.21	8.69	0	0	0	1.13
2002	335	23	889	362.866	-360.687	D	7.596	7.589	0.007	3.292	81.82	17.18	0	0	0	1.01
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	853	361.666	-362.175	D	7.602	7.593	0.009	3.3	93.79	5.89	0	0	0	0.33
2002	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	339	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	94.15	5.58	0	0	0	0.23
2002	340	23	930	366.19	-357.232	D	7.601	7.593	0.008	3.3	94.6	5.21	0	0	0	0.2
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	11.4	0.23	0	0	0	0.01
2002	342	23	964	363.678	-354.148	D	7.595	7.593	0.003	3.3	97.64	2.26	0	0	0	0.1
2002	343	23	811	357.434	-360.225	D	7.601	7.593	0.009	3.3	97.7	2.26	0	0	0	0.07
2002	344	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	98.23	1.75	0	0	0	0.05
2002	345	23	1017	356.894	-355.206	D	7.595	7.593	0.003	3.3	98.47	1.48	0	0	0	0.04
2002	346	23	965	363.588	-354.142	D	7.593	7.593	0.001	3.3	98.79	1.25	0	0	0	0.04
2002	347	23	1035	356.477	-356.792	D	7.595	7.593	0.002	3.3	98.04	1.96	0	0	0	0.09
2002	348	23	861	361.895	-361.506	D	7.605	7.593	0.013	3.3	95.59	4.24	0	0	0	0.19
2002	349	23	931	366.183	-356.996	D	7.593	7.593	0	3.3	96.45	3.09	0	0	0	0.11
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	353	23	1017	356.894	-355.206	D	7.602	7.593	0.01	3.3	93.03	6.59	0	0	0	0.38
2002	354	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	92.44	4.68	0	0	0	0.16
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	1007	358.259	-354.768	D	7.597	7.593	0.004	3.3	85.69	13.77	0	0	0	0.55
2002	357	23	1016	357.1	-355.198	D	7.594	7.593	0.001	3.3	91.59	8.14	0	0	0	0.24
2002	358	23	845	360.851	-362.181	D	7.594	7.593	0.002	3.3	93.52	6.35	0	0	0	0.12
2002	359	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	79.76	18.76	0	0	0	1.49
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	96.78	3.35	0	0	0	0.1
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	94.94	4.89	0	0	0	0.2
									0.092							
UMC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2002	2	23	933	366.169	-356.524	D	7.576	7.546	0.03	3.2	77.05	22.91	0	0	0	0.05
2002	3	23	930	366.19	-357.232	D	7.572	7.546	0.026	3.2	80.47	19.5	0	0	0	0.04
2002	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	930	366.19	-357.232	D	7.761	7.546	0.215	3.2	92.63	7.33	0	0	0	0.04
2002	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	85.11	15.73	0	0	0	0.05
2002	17	23	931	366.183	-356.996	D	7.58	7.546	0.034	3.2	80.41	19.56	0	0	0	0.04
2002	18	23	933	366.169	-356.524	D	7.634	7.546	0.088	3.2	87.29	12.69	0	0	0	0.03
2002	19	23	1008	358.048	-354.775	D	7.612	7.546	0.066	3.2	92.51	7.47	0	0	0	0.02
2002	20	23	949	365.722	-354.966	D	7.745	7.546	0.199	3.2	92.21	7.77	0	0	0	0.01
2002	21	23	949	365.722	-354.966	D	7.549	7.546	0.003	3.2	95.35	4.66	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	26	23	906	364.982	-359.812	D	7.546	7.546	0	3.2	99.03	1.08	0	0	0	0.01
2002	27	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	97.72	2.39	0	0	0	0.01
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	30	23	907	365.051	-359.809	D	8.033	7.546	0.486	3.2	90.9	9.08	0	0	0	0.02
2002	31	23	1017	356.894	-355.206	D	8.413	7.546	**0.867**	3.2	94.17	5.82	0	0	0	0.01
2002	32	23	949	365.722	-354.966	D	7.435	7.411	0.024	2.913	94.62	5.38	0	0	0	0.01
2002	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	35	23	949	365.722	-354.966	D	7.417	7.406	0.011	2.9	86.94	13.01	0	0	0	0.06
2002	36	23	1035	356.477	-356.792	D	7.433	7.406	0.027	2.9	86.78	13.19	0	0	0	0.04
2002	37	23	1017	356.894	-355.206	D	7.406	7.406	0.001	2.9	93	7.5	0	0	0	0.02
2002	38	23	933	366.169	-356.524	D	7.416	7.406	0.01	2.9	89.05	10.95	0	0	0	0.03
2002	39	23	907	365.051	-359.809	D	7.406	7.406	0.001	2.9	96.74	3.58	0	0	0	0.01
2002	40	23	785	365.637	-355.06	D	7.406	7.406	0	2.9	97.44	3	0	0	0	0.01
2002	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	44	23	914	365.435	-358.584	D	7.459	7.406	0.054	2.9	70.18	29.69	0	0	0	0.14
2002	45	23	852	361.595	-362.148	D	7.406	7.406	0	2.9	94.79	5.34	0	0	0	0.03
2002	46	23	907	365.051	-359.809	D	7.41	7.406	0.004	2.9	93.48	6.52	0	0	0	0.02
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	933	366.169	-356.524	D	7.412	7.406	0.006	2.9	94.36	5.56	0	0	0	0.08
2002	49	23	947	365.801	-355.162	D	7.427	7.406	0.022	2.9	91.31	8.67	0	0	0	0.03
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	53	23	933	366.169	-356.524	D	7.432	7.406	0.027	2.9	87.69	12.26	0	0	0	0.06
2002	54	23	930	366.19	-357.232	D	7.43	7.406	0.025	2.9	91.75	8.23	0	0	0	0.03
2002	55	23	930	366.19	-357.232	D	7.407	7.406	0.002	2.9	94.8	5.41	0	0	0	0.02
2002	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	61	23	949	365.722	-354.966	D	7.335	7.311	0.024	2.7	89.42	10.57	0	0	0	0.02
2002	62	23	356	361.22	-361.995	D	7.311	7.311	0	2.7	94.87	4.46	0	0	0	0
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	964	363.678	-354.148	D	7.312	7.311	0.001	2.7	97.01	3.03	0	0	0	0.03
2002	72	23	964	363.678	-354.148	D	7.314	7.311	0.004	2.7	94.71	5.27	0	0	0	0.03
2002	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	74	23	932	366.176	-356.761	D	7.311	7.311	0.001	2.7	92.98	7	0	0	0	0.03
2002	75	23	78	358.239	-356.385	D	7.37	7.311	0.06	2.7	68.79	31.05	0	0	0	0.17
2002	76	23	1017	356.894	-355.206	D	7.371	7.311	0.06	2.7	96.21	3.78	0	0	0	0.01
2002	77	23	967	363.478	-354.116	D	7.33	7.311	0.019	2.7	96.27	3.72	0	0	0	0.02
2002	78	23	949	365.722	-354.966	D	7.322	7.311	0.012	2.7	97.67	2.33	0	0	0	0.01
2002	79	23	1035	356.477	-356.792	D	7.569	7.311	0.258	2.7	92.96	7.01	0	0	0	0.03
2002	80	23	930	366.19	-357.232	D	7.378	7.311	0.067	2.7	94.09	5.88	0	0	0	0.03
2002	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	82	23	907	365.051	-359.809	D	7.311	7.311	0	2.7	98.12	3.42	0	0	0	0.02
2002	83	23	929	366.032	-357.239	D	7.311	7.311	0	2.7	95.79	3.91	0	0	0	0.01
2002	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	85	23	1039	356.522	-357.599	D	7.379	7.311	0.069	2.7	84.31	15.62	0	0	0	0.07
2002	86	23	907	365.051	-359.809	D	7.312	7.311	0.002	2.7	98.75	1.34	0	0	0	0.02
2002	87	23	930	366.19	-357.232	D	7.348	7.311	0.038	2.7	97.36	2.63	0	0	0	0.01
2002	88	23	900	364.265	-360.243	D	7.432	7.311	0.121	2.7	98.81	1.17	0	0	0	0.03
2002	89	23	930	366.19	-357.232	D	7.317	7.311	0.007	2.7	95.95	4.03	0	0	0	0.04
2002	90	23	1008	358.048	-354.775	D	7.32	7.311	0.009	2.7	98.85	1.12	0	0	0	0.04
2002	91	23	853	361.666	-362.175	D	7.37	7.311	0.06	2.7	96.08	3.88	0	0	0	0.03
2002	92	23	789	365.918	-355.796	D	7.311	7.311	0	2.7	94.23	0.24	0	0	0	0.02
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	930	366.19	-357.232	D	7.322	7.311	0.011	2.7	92.79	7.19	0	0	0	0.04
2002	95	23	949	365.722	-354.966	D	7.386	7.311	0.075	2.7	95.89	4.08	0	0	0	0.02
2002	96	23	930	366.19	-357.232	D	7.421	7.311	0.11	2.7	98.65	1.33	0	0	0	0.02
2002	97	23	949	365.722	-354.966	D	7.334	7.311	0.023	2.7	99.11	0.88	0	0	0	0.01
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	933	366.169	-356.524	D	7.357	7.311	0.047	2.7	99.36	0.62	0	0	0	0.03

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	100	23	1035	356.477	-356.792	D	7.364	7.311	0.054	2.7	99.28	0.7	0	0	0	0.02
2002	101	23	1035	356.477	-356.792	D	7.321	7.311	0.01	2.7	99.09	0.92	0	0	0	0.01
2002	102	23	947	365.801	-355.162	D	7.311	7.311	0	2.7	99.66	0.09	0	0	0	0.01
2002	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	111	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	98.55	1.47	0	0	0	0.02
2002	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	113	23	930	366.19	-357.232	D	7.311	7.311	0	2.7	100.32	0.18	0	0	0	0.01
2002	114	23	947	365.801	-355.162	D	7.311	7.311	0	2.7	99.71	0.33	0	0	0	0.01
2002	115	23	907	365.051	-359.809	D	7.338	7.311	0.027	2.7	97.77	2.17	0	0	0	0.06
2002	116	23	822	358.021	-361.607	D	7.345	7.311	0.034	2.7	96.95	3.03	0	0	0	0.02
2002	117	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	98.42	1.57	0	0	0	0.01
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	99.5	0.57	0	0	0	0.04
2002	120	23	955	364.92	-354.582	D	7.311	7.311	0	2.7	99.82	0.27	0	0	0	0.03
2002	121	23	1017	356.894	-355.206	D	7.581	7.581	0	3.275	86.19	0.67	0	0	0	0.01
2002	122	23	930	366.19	-357.232	D	7.82	7.593	0.227	3.3	96.48	3.51	0	0	0	0.01
2002	123	23	853	361.666	-362.175	D	7.701	7.593	0.108	3.3	98.2	1.79	0	0	0	0.01
2002	124	23	822	358.021	-361.607	D	7.702	7.593	0.109	3.3	98.96	1.04	0	0	0	0
2002	125	23	822	358.021	-361.607	D	7.656	7.593	0.064	3.3	99.53	0.47	0	0	0	0
2002	126	23	963	363.809	-354.192	D	7.6	7.593	0.007	3.3	99.93	0.07	0	0	0	0
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	130	23	907	365.051	-359.809	D	7.635	7.593	0.043	3.3	99.33	0.65	0	0	0	0.02
2002	131	23	967	363.478	-354.116	D	7.633	7.593	0.041	3.3	99.39	0.6	0	0	0	0.01
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	933	366.169	-356.524	D	7.685	7.593	0.093	3.3	85.89	14.06	0	0	0	0.05
2002	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	1017	356.894	-355.206	D	7.668	7.593	0.075	3.3	97.5	2.49	0	0	0	0.01
2002	138	23	941	365.977	-355.774	D	7.694	7.593	0.101	3.3	98.79	1.19	0	0	0	0.02

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	139	23	907	365.051	-359.809	D	7.842	7.593	0.25	3.3	98.26	1.72	0	0	0	0.01
2002	140	23	949	365.722	-354.966	D	7.608	7.593	0.016	3.3	99.39	0.58	0	0	0	0.03
2002	141	23	1035	356.477	-356.792	D	7.74	7.593	0.147	3.3	98.45	1.53	0	0	0	0.02
2002	142	23	930	366.19	-357.232	D	7.659	7.593	0.066	3.3	99.35	0.64	0	0	0	0.01
2002	143	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	99.75	0.22	0	0	0	0.01
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1010	357.824	-354.865	D	7.626	7.593	0.033	3.3	99.14	0.85	0	0	0	0.02
2002	157	23	1035	356.477	-356.792	D	7.829	7.593	0.236	3.3	95.24	4.73	0	0	0	0.03
2002	158	23	947	365.801	-355.162	D	7.717	7.593	0.124	3.3	99.69	0.29	0	0	0	0.01
2002	159	23	949	365.722	-354.966	D	7.75	7.593	0.157	3.3	99.83	0.16	0	0	0	0.01
2002	160	23	964	363.678	-354.148	D	7.603	7.593	0.011	3.3	99.96	0.04	0	0	0	0.01
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	165	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.9	0.12	0	0	0	0.01
2002	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	168	23	933	366.169	-356.524	D	7.646	7.593	0.054	3.3	99.1	0.88	0	0	0	0.01
2002	169	23	933	366.169	-356.524	D	7.646	7.593	0.054	3.3	99.91	0.08	0	0	0	0.01
2002	170	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	99.95	0.05	0	0	0	0.01
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	94.42	0.02	0	0	0	0.01
2002	180	23	941	365.977	-355.774	D	7.594	7.593	0.001	3.3	99.94	0.05	0	0	0	0.01
2002	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	99.99	0.03	0	0	0	0.01
2002	187	23	949	365.722	-354.966	D	7.615	7.593	0.023	3.3	99.97	0.03	0	0	0	0.01
2002	188	23	1008	358.048	-354.775	D	7.625	7.593	0.032	3.3	99.96	0.04	0	0	0	0.01
2002	189	23	964	363.678	-354.148	D	7.603	7.593	0.01	3.3	99.98	0.02	0	0	0	0.01
2002	190	23	947	365.801	-355.162	D	7.595	7.593	0.003	3.3	100.01	0.01	0	0	0	0.01
2002	191	23	743	364.915	-355.591	D	7.593	7.593	0	3.3	99.71	0.05	0	0	0	0.01
2002	192	23	949	365.722	-354.966	D	7.601	7.593	0.009	3.3	99.35	0.67	0	0	0	0.01
2002	193	23	973	362.512	-354.246	D	7.62	7.593	0.027	3.3	99.76	0.23	0	0	0	0.01
2002	194	23	1017	356.894	-355.206	D	7.616	7.593	0.023	3.3	99.27	0.72	0	0	0	0.01
2002	195	23	822	358.021	-361.607	D	7.595	7.593	0.002	3.3	99.9	0.13	0	0	0	0.01
2002	196	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	99.69	0.12	0	0	0	0.01
2002	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	1008	358.048	-354.775	D	7.665	7.593	0.072	3.3	99.87	0.11	0	0	0	0.02
2002	205	23	1035	356.477	-356.792	D	7.99	7.593	0.397	3.3	99.83	0.16	0	0	0	0.02
2002	206	23	822	358.021	-361.607	D	7.656	7.593	0.063	3.3	99.93	0.06	0	0	0	0.01
2002	207	23	907	365.051	-359.809	D	7.701	7.593	0.109	3.3	99.94	0.05	0	0	0	0.01
2002	208	23	941	365.977	-355.774	D	7.602	7.593	0.009	3.3	99.97	0.03	0	0	0	0.01
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1008	358.048	-354.775	D	7.597	7.593	0.005	3.3	99.94	0.06	0	0	0	0.02
2002	215	23	1003	359.099	-354.737	D	7.594	7.593	0.001	3.3	100.2	0.06	0	0	0	0.01
2002	216	23	15	357.659	-360.155	D	7.593	7.593	0.001	3.3	99.95	0.01	0	0	0	0.01

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	217	23	61	357.936	-355.15	D	7.593	7.593	0	3.3	100.04	0	0	0	0	0.01
2002	218	23	930	366.19	-357.232	D	7.743	7.593	0.151	3.3	99.9	0.08	0	0	0	0.01
2002	219	23	853	361.666	-362.175	D	7.76	7.593	0.167	3.3	99.55	0.44	0	0	0	0.01
2002	220	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.9	0.03	0	0	0	0.01
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.33	0.36	0	0	0	0.01
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	237	23	933	366.169	-356.524	D	7.759	7.593	0.167	3.3	98.35	1.62	0	0	0	0.03
2002	238	23	1017	356.894	-355.206	D	7.836	7.593	0.243	3.3	99.45	0.53	0	0	0	0.02
2002	239	23	1017	356.894	-355.206	D	7.687	7.593	0.094	3.3	99.56	0.42	0	0	0	0.01
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	966	363.538	-354.124	D	7.652	7.639	0.013	3.4	99.96	0.03	0	0	0	0.02
2002	248	23	963	363.809	-354.192	D	7.696	7.639	0.058	3.4	99.9	0.09	0	0	0	0.01
2002	249	23	1017	356.894	-355.206	D	7.651	7.639	0.012	3.4	99.99	0.02	0	0	0	0.01
2002	250	23	1017	356.894	-355.206	D	7.639	7.639	0.001	3.4	99.97	0.01	0	0	0	0.01
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	78	358.239	-356.385	D	7.826	7.639	0.187	3.4	93.77	6.14	0	0	0	0.09
2002	255	23	822	358.021	-361.607	D	7.686	7.639	0.047	3.4	99.61	0.37	0	0	0	0.02

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	256	23	811	357.434	-360.225	D	7.653	7.639	0.014	3.4	99.93	0.06	0	0	0	0.01
2002	257	23	1017	356.894	-355.206	D	7.655	7.639	0.017	3.4	99.92	0.07	0	0	0	0.01
2002	258	23	949	365.722	-354.966	D	7.66	7.639	0.021	3.4	99.85	0.13	0	0	0	0.02
2002	259	23	933	366.169	-356.524	D	7.984	7.639	0.345	3.4	99.35	0.63	0	0	0	0.01
2002	260	23	949	365.722	-354.966	D	7.89	7.639	0.251	3.4	99.58	0.42	0	0	0	0.01
2002	261	23	949	365.722	-354.966	D	7.652	7.639	0.013	3.4	98.85	1.14	0	0	0	0.01
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	930	366.19	-357.232	D	7.771	7.639	0.132	3.4	95.21	4.69	0	0	0	0.1
2002	266	23	907	365.051	-359.809	D	7.692	7.639	0.053	3.4	98.85	1.12	0	0	0	0.04
2002	267	23	933	366.169	-356.524	D	7.772	7.639	0.133	3.4	99.41	0.57	0	0	0	0.03
2002	268	23	1017	356.894	-355.206	D	7.703	7.639	0.064	3.4	99.52	0.46	0	0	0	0.01
2002	269	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.89	0.07	0	0	0	0.01
2002	270	23	822	358.021	-361.607	D	7.692	7.639	0.053	3.4	98.71	1.25	0	0	0	0.04
2002	271	23	941	365.977	-355.774	D	7.784	7.639	0.145	3.4	99.67	0.31	0	0	0	0.02
2002	272	23	1017	356.894	-355.206	D	7.725	7.639	0.086	3.4	99.75	0.24	0	0	0	0.01
2002	273	23	1017	356.894	-355.206	D	7.646	7.639	0.007	3.4	99.97	0.03	0	0	0	0.01
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	930	366.19	-357.232	D	7.535	7.5	0.035	3.1	99.34	0.62	0	0	0	0.04
2002	279	23	822	358.021	-361.607	D	7.522	7.5	0.022	3.1	99.18	0.8	0	0	0	0.03
2002	280	23	930	366.19	-357.232	D	7.56	7.5	0.06	3.1	98.17	1.78	0	0	0	0.05
2002	281	23	1035	356.477	-356.792	D	7.512	7.5	0.012	3.1	98.83	1.15	0	0	0	0.03
2002	282	23	1010	357.824	-354.865	D	7.5	7.5	0.001	3.1	99.78	0.4	0	0	0	0.02
2002	283	23	949	365.722	-354.966	D	7.501	7.5	0.002	3.1	99.15	0.89	0	0	0	0.01
2002	284	23	900	364.265	-360.243	D	7.501	7.5	0.001	3.1	99.24	0.82	0	0	0	0.01
2002	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	286	23	1017	356.894	-355.206	D	7.544	7.5	0.045	3.1	93.4	6.55	0	0	0	0.05
2002	287	23	1017	356.894	-355.206	D	7.517	7.5	0.018	3.1	94.92	5.05	0	0	0	0.03
2002	288	23	1017	356.894	-355.206	D	7.538	7.5	0.039	3.1	96.97	3.02	0	0	0	0.02
2002	289	23	78	358.239	-356.385	D	7.628	7.5	0.128	3.1	80.68	19.17	0	0	0	0.15
2002	290	23	907	365.051	-359.809	D	7.5	7.5	0.001	3.1	97.34	2.79	0	0	0	0.03
2002	291	23	905	364.788	-359.816	D	7.5	7.5	0	3.1	101.12	0.53	0	0	0	0.02
2002	292	23	949	365.722	-354.966	D	7.548	7.5	0.048	3.1	92.44	7.53	0	0	0	0.03
2002	293	23	822	358.021	-361.607	D	7.758	7.5	0.259	3.1	91.62	8.35	0	0	0	0.03
2002	294	23	1039	356.522	-357.599	D	7.548	7.5	0.049	3.1	98.07	1.92	0	0	0	0.01

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	295	23	1017	356.894	-355.206	D	7.544	7.5	0.045	3.1	98.56	1.43	0	0	0	0.01
2002	296	23	967	363.478	-354.116	D	7.632	7.5	0.132	3.1	97.87	2.11	0	0	0	0.01
2002	297	23	822	358.021	-361.607	D	7.573	7.5	0.073	3.1	98.9	1.09	0	0	0	0.01
2002	298	23	1017	356.894	-355.206	D	7.59	7.5	0.09	3.1	96.91	3.08	0	0	0	0.01
2002	299	23	947	365.801	-355.162	D	7.795	7.5	0.296	3.1	96.74	3.25	0	0	0	0.01
2002	300	23	930	366.19	-357.232	D	7.937	7.5	0.438	3.1	95.05	4.93	0	0	0	0.01
2002	301	23	1017	356.894	-355.206	D	7.706	7.5	0.207	3.1	97.2	2.79	0	0	0	0.01
2002	302	23	1035	356.477	-356.792	D	7.879	7.5	0.38	3.1	94.89	5.09	0	0	0	0.02
2002	303	23	822	358.021	-361.607	D	7.722	7.5	0.222	3.1	96.35	3.64	0	0	0	0.02
2002	304	23	822	358.021	-361.607	D	7.792	7.5	0.293	3.1	93.82	6.16	0	0	0	0.02
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	191	359.732	-362.061	D	7.5	7.5	0	3.1	93.8	6.89	0	0	0	0.02
2002	307	23	907	365.051	-359.809	D	7.551	7.5	0.051	3.1	93.56	6.43	0	0	0	0.01
2002	308	23	930	366.19	-357.232	D	7.502	7.5	0.002	3.1	95.87	4.2	0	0	0	0.01
2002	309	23	930	366.19	-357.232	D	7.516	7.5	0.016	3.1	96.71	3.29	0	0	0	0.01
2002	310	23	949	365.722	-354.966	D	7.537	7.5	0.038	3.1	93.31	6.68	0	0	0	0.01
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	316	23	927	365.912	-357.454	D	7.641	7.5	0.141	3.1	69.1	30.76	0	0	0	0.14
2002	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	930	366.19	-357.232	D	7.51	7.5	0.01	3.1	71.3	28.57	0	0	0	0.13
2002	320	23	927	365.912	-357.454	D	7.785	7.5	0.285	3.1	72.91	26.99	0	0	0	0.11
2002	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	328	23	1008	358.048	-354.775	D	7.501	7.5	0.002	3.1	93.28	6.75	0	0	0	0.02
2002	329	23	930	366.19	-357.232	D	7.682	7.5	0.182	3.1	84.91	15.02	0	0	0	0.07
2002	330	23	1035	356.477	-356.792	D	7.619	7.5	0.119	3.1	90.26	9.71	0	0	0	0.03
2002	331	23	927	365.912	-357.454	D	7.603	7.5	0.103	3.1	75.98	23.93	0	0	0	0.09
2002	332	23	907	365.051	-359.809	D	7.5	7.5	0.001	3.1	87.26	12.88	0	0	0	0.03
2002	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	823	358.24	-361.604	D	7.603	7.593	0.01	3.3	79.88	20.01	0	0	0	0.13
2002	338	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	88.93	12.09	0	0	0	0.01
2002	339	23	927	365.912	-357.454	D	7.682	7.593	0.089	3.3	63.65	36.21	0	0	0	0.14
2002	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	964	363.678	-354.148	D	7.612	7.593	0.019	3.3	91.65	8.34	0	0	0	0.02
2002	343	23	822	358.021	-361.607	D	7.759	7.593	0.167	3.3	91.73	8.26	0	0	0	0.01
2002	344	23	1017	356.894	-355.206	D	7.631	7.593	0.038	3.3	94.12	5.87	0	0	0	0.01
2002	345	23	1017	356.894	-355.206	D	7.632	7.593	0.039	3.3	95.46	4.53	0	0	0	0.01
2002	346	23	966	363.538	-354.124	D	7.602	7.593	0.01	3.3	96.8	3.2	0	0	0	0.01
2002	347	23	811	357.434	-360.225	D	7.704	7.593	0.112	3.3	92.87	7.11	0	0	0	0.02
2002	348	23	832	359.493	-362.061	D	7.646	7.593	0.053	3.3	92.19	7.79	0	0	0	0.02
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	81.24	18.69	0	0	0	0.03
2002	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	358	23	1017	356.894	-355.206	D	7.697	7.593	0.105	3.3	89.04	10.94	0	0	0	0.03
2002	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.628	7.593	0.035	3.3	71.46	28.39	0	0	0	0.15
									0.867							
NORANDA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2002	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	19	23	955	364.92	-354.582	D	7.776	7.546	0.23	3.2	96.76	0.19	0	0	0.15	2.89
2002	20	23	907	365.051	-359.809	D	7.566	7.546	0.02	3.2	98.73	0.06	0	0	0.05	1.17
2002	21	23	947	365.801	-355.162	D	7.555	7.546	0.009	3.2	98.9	0.1	0	0	0	1
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	27	23	905	364.788	-359.816	D	7.546	7.546	0	3.2	100.73	0.06	0	0	0.04	2.25
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2002	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	36	23	853	361.666	-362.175	D	7.416	7.406	0.011	2.9	95.55	0.04	0	0	0.87	3.55
2002	37	23	1015	357.306	-355.192	D	7.438	7.406	0.033	2.9	93.98	0.3	0	0	0.15	5.58
2002	38	23	1017	356.894	-355.206	D	7.544	7.406	0.139	2.9	97.95	0.11	0	0	0.1	1.84
2002	39	23	853	361.666	-362.175	D	7.412	7.406	0.007	2.9	98.25	0.05	0	0	0.1	1.66
2002	40	23	930	366.19	-357.232	D	7.421	7.406	0.015	2.9	98.45	0.05	0	0	0.04	1.47
2002	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	49	23	930	366.19	-357.232	D	7.411	7.406	0.005	2.9	95.44	0.14	0	0	0.09	4.36
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	53	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	55	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	62	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	930	366.19	-357.232	D	7.316	7.311	0.005	2.7	94.47	0.19	0	0	0.11	5.24
2002	71	23	618	363.371	-354.411	D	7.311	7.311	0	2.7	99.04	0	0	0	0.03	1.18
2002	72	23	455	361.646	-354.736	D	7.311	7.311	0	2.7	97.49	0.01	0	0	0.01	1.4
2002	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	75	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	77	23	930	366.19	-357.232	D	7.314	7.311	0.004	2.7	98.34	0.07	0	0	0.07	1.53
2002	78	23	1017	356.894	-355.206	D	7.68	7.311	0.369	2.7	98.56	0.03	0	0	0.16	1.25
2002	79	23	907	365.051	-359.809	D	7.436	7.311	0.125	2.7	98.98	0.03	0	0	0.07	0.93
2002	80	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	84	23	1017	356.894	-355.206	D	7.322	7.311	0.011	2.7	98.45	0.07	0	0	0.04	1.47
2002	85	23	1039	356.522	-357.599	D	7.377	7.311	0.066	2.7	98.78	0.05	0	0	0.01	1.16
2002	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	87	23	930	366.19	-357.232	D	7.312	7.311	0.001	2.7	95.75	0.13	0	0	0.1	3.93
2002	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	89	23	853	361.666	-362.175	D	7.322	7.311	0.012	2.7	99.15	0	0	0	0.13	0.74
2002	90	23	853	361.666	-362.175	D	7.393	7.311	0.083	2.7	95.32	0.15	0	0	0.18	4.35
2002	91	23	1017	356.894	-355.206	D	7.319	7.311	0.008	2.7	98.32	0	0	0	0.05	1.67
2002	92	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	98.1	0.01	0	0	0.02	1.85
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	96	23	822	358.021	-361.607	D	7.319	7.311	0.008	2.7	98.06	0.01	0	0	0.15	1.81
2002	97	23	822	358.021	-361.607	D	7.342	7.311	0.031	2.7	97.72	0.04	0	0	0.08	2.16
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	100	23	853	361.666	-362.175	D	7.374	7.311	0.063	2.7	99.1	0	0	0	0.11	0.79
2002	101	23	955	364.92	-354.582	D	7.335	7.311	0.024	2.7	95.39	0.03	0	0	0.09	4.5
2002	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	113	23	930	366.19	-357.232	D	7.312	7.311	0.002	2.7	97.1	0.02	0	0	0.13	2.9
2002	114	23	404	361.172	-355.257	D	7.311	7.311	0	2.7	86.22	0.01	0	0	0.04	2.91
2002	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	116	23	853	361.666	-362.175	D	7.316	7.311	0.005	2.7	93.04	0.18	0	0	0.59	6.2
2002	117	23	1017	356.894	-355.206	D	7.343	7.311	0.033	2.7	95.26	0.1	0	0	0.2	4.44
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	120	23	930	366.19	-357.232	D	7.317	7.311	0.006	2.7	96.48	0.01	0	0	0.04	3.51
2002	121	23	948	365.727	-355.056	D	7.581	7.581	0	3.275	98.4	0.02	0	0	0.01	1.67
2002	122	23	949	365.722	-354.966	D	7.707	7.593	0.114	3.3	99.16	0.02	0	0	0.02	0.8
2002	123	23	853	361.666	-362.175	D	7.627	7.593	0.035	3.3	99.39	0.01	0	0	0.01	0.6
2002	124	23	822	358.021	-361.607	D	8.126	7.593	**0.534**	3.3	97.18	0.05	0	0	0.19	2.59
2002	125	23	1035	356.477	-356.792	D	7.817	7.593	0.225	3.3	98.31	0.01	0	0	0.08	1.59
2002	126	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	98.73	0	0	0	0.02	1.25
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	130	23	853	361.666	-362.175	D	7.593	7.593	0.001	3.3	94.91	0.01	0	0	0.54	4.55
2002	131	23	933	366.169	-356.524	D	7.653	7.593	0.061	3.3	97.79	0.02	0	0	0.07	2.12
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	92.22	0.37	0	0	0.26	7.16
2002	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	140	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	141	23	845	360.851	-362.181	D	7.679	7.593	0.087	3.3	98.6	0	0	0	0.13	1.26
2002	142	23	947	365.801	-355.162	D	7.635	7.593	0.043	3.3	97.06	0.01	0	0	0.07	2.87
2002	143	23	931	366.183	-356.996	D	7.593	7.593	0	3.3	97.35	0.01	0	0	0.05	2.52
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	949	365.722	-354.966	D	7.634	7.593	0.042	3.3	98.63	0	0	0	0.19	1.18
2002	151	23	949	365.722	-354.966	D	7.825	7.593	0.232	3.3	98.89	0	0	0	0.09	1.01
2002	152	23	949	365.722	-354.966	D	7.612	7.593	0.019	3.3	99.07	0	0	0	0.05	0.88
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	158	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	159	23	822	358.021	-361.607	D	7.663	7.593	0.07	3.3	99.09	0	0	0	0.1	0.81
2002	160	23	967	363.478	-354.116	D	7.647	7.593	0.055	3.3	97.79	0	0	0	0.07	2.13
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	169	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	98.68	0	0	0	0.11	0.84
2002	170	23	941	365.977	-355.774	D	7.603	7.593	0.011	3.3	98.81	0	0	0	0.11	1.09
2002	171	23	966	363.538	-354.124	D	7.593	7.593	0	3.3	98.99	0	0	0	0.04	0.81
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0.02	0.01	0	0	0	16.64
2002	173	23	955	364.92	-354.582	D	7.701	7.593	0.108	3.3	97.43	0	0	0	0.56	2.01
2002	174	23	1039	356.522	-357.599	D	7.656	7.593	0.063	3.3	96.63	0.01	0	0	0.61	2.76
2002	175	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	84.32	0.01	0	0	0.4	15.28
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	180	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	36.77	0	0	0	1.65	2.88
2002	183	23	907	365.051	-359.809	D	7.76	7.593	0.167	3.3	98.55	0	0	0	0.22	1.23
2002	184	23	949	365.722	-354.966	D	7.709	7.593	0.117	3.3	98.84	0	0	0	0.11	1.05
2002	185	23	931	366.183	-356.996	D	7.733	7.593	0.14	3.3	98.71	0	0	0	0.18	1.1
2002	186	23	822	358.021	-361.607	D	8.024	7.593	0.431	3.3	98.94	0	0	0	0.15	0.9
2002	187	23	1039	356.522	-357.599	D	7.749	7.593	0.156	3.3	97.87	0	0	0	0.34	1.79
2002	188	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	99.53	0	0	0	0.08	0.55
2002	189	23	1037	356.5	-357.195	D	7.601	7.593	0.009	3.3	98.91	0	0	0	0.16	0.95
2002	190	23	811	357.434	-360.225	D	7.675	7.593	0.082	3.3	99.09	0	0	0	0.09	0.83
2002	191	23	853	361.666	-362.175	D	7.673	7.593	0.08	3.3	99.21	0	0	0	0.04	0.75
2002	192	23	853	361.666	-362.175	D	7.605	7.593	0.012	3.3	99.39	0	0	0	0.02	0.61
2002	193	23	907	365.051	-359.809	D	7.616	7.593	0.023	3.3	98.99	0	0	0	0.19	0.82
2002	194	23	907	365.051	-359.809	D	7.598	7.593	0.005	3.3	99.5	0	0	0	0.03	0.48
2002	195	23	853	361.666	-362.175	D	7.607	7.593	0.014	3.3	99.08	0.01	0	0	0.12	0.8
2002	196	23	853	361.666	-362.175	D	7.652	7.593	0.059	3.3	98.35	0.01	0	0	0.32	1.32
2002	197	23	853	361.666	-362.175	D	7.901	7.593	0.308	3.3	98.94	0	0	0	0.12	0.94

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	198	23	949	365.722	-354.966	D	7.744	7.593	0.152	3.3	99.26	0	0	0	0.05	0.69
2002	199	23	949	365.722	-354.966	D	7.609	7.593	0.016	3.3	99.37	0	0	0	0.02	0.6
2002	200	23	947	365.801	-355.162	D	7.594	7.593	0.002	3.3	99.33	0.01	0	0	0.02	0.63
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	206	23	853	361.666	-362.175	D	7.595	7.593	0.002	3.3	99.52	0	0	0	0.06	0.42
2002	207	23	907	365.051	-359.809	D	7.646	7.593	0.053	3.3	99.47	0	0	0	0.04	0.49
2002	208	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.29	0	0	0	0.04	0.62
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	98.65	0	0	0	0.22	1.14
2002	215	23	853	361.666	-362.175	D	7.824	7.593	0.231	3.3	98.84	0	0	0	0.18	0.98
2002	216	23	1017	356.894	-355.206	D	7.81	7.593	0.217	3.3	99.06	0	0	0	0.08	0.86
2002	217	23	962	363.961	-354.255	D	7.6	7.593	0.007	3.3	99.23	0	0	0	0.05	0.72
2002	218	23	907	365.051	-359.809	D	7.639	7.593	0.046	3.3	98.74	0	0	0	0.1	1.17
2002	219	23	853	361.666	-362.175	D	7.626	7.593	0.034	3.3	99.23	0	0	0	0.02	0.75
2002	220	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	99.21	0	0	0	0.01	0.64
2002	221	23	853	361.666	-362.175	D	7.639	7.593	0.047	3.3	97.89	0	0	0	0.36	1.75
2002	222	23	933	366.169	-356.524	D	7.697	7.593	0.105	3.3	98.33	0	0	0	0.09	1.57
2002	223	23	967	363.478	-354.116	D	7.596	7.593	0.004	3.3	98.73	0	0	0	0.03	1.28
2002	224	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	86.95	0	0	0	0.02	2.08
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	238	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	822	358.021	-361.607	D	7.634	7.593	0.041	3.3	96.7	0.01	0	0	0.62	2.67
2002	244	23	832	359.493	-362.061	D	7.776	7.637	0.139	3.396	98.32	0	0	0	0.16	1.52
2002	245	23	967	363.478	-354.116	D	7.68	7.639	0.041	3.4	98.25	0	0	0	0.06	1.68
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	249	23	861	361.895	-361.506	D	7.641	7.639	0.003	3.4	94.19	0	0	0	2.05	3.82
2002	250	23	949	365.722	-354.966	D	7.68	7.639	0.042	3.4	97.25	0	0	0	0.12	2.62
2002	251	23	949	365.722	-354.966	D	7.639	7.639	0	3.4	79.44	0.02	0	0	0.55	19.78
2002	252	23	949	365.722	-354.966	D	7.64	7.639	0.001	3.4	97.51	0	0	0	0.15	2.31
2002	253	23	966	363.538	-354.124	D	7.655	7.639	0.016	3.4	98.95	0	0	0	0.06	0.98
2002	254	23	853	361.666	-362.175	D	7.643	7.639	0.004	3.4	99.25	0	0	0	0.03	0.73
2002	255	23	191	359.732	-362.061	D	7.639	7.639	0	3.4	100.48	0	0	0	0.04	0.97
2002	256	23	44	358.21	-361.379	D	7.639	7.639	0	3.4	101.23	0	0	0	0.15	0.42
2002	257	23	907	365.051	-359.809	D	7.692	7.639	0.054	3.4	98.86	0	0	0	0.14	1
2002	258	23	930	366.19	-357.232	D	7.663	7.639	0.024	3.4	98.88	0	0	0	0.07	1.05
2002	259	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	97.7	0	0	0	0.05	2.23
2002	260	23	710	364.843	-359.589	D	7.639	7.639	0	3.4	90.57	0.07	0	0	0.06	6.46
2002	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	133.08	0.27	0	0	0.05	12.08
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	266	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	268	23	822	358.021	-361.607	D	7.639	7.639	0	3.4	76.07	0.02	0	0	6.4	17.78
2002	269	23	853	361.666	-362.175	D	7.646	7.639	0.007	3.4	93.36	0.03	0	0	1.04	5.57
2002	270	23	907	365.051	-359.809	D	7.647	7.639	0.008	3.4	88.69	0	0	0	3.14	8.19
2002	271	23	1017	356.894	-355.206	D	7.641	7.639	0.002	3.4	98.85	0	0	0	0.02	1.18
2002	272	23	853	361.666	-362.175	D	7.72	7.639	0.081	3.4	99.01	0	0	0	0.13	0.86
2002	273	23	1017	356.894	-355.206	D	7.696	7.639	0.057	3.4	98.39	0	0	0	0.08	1.52
2002	274	23	643	363.609	-354.151	D	7.506	7.505	0	3.112	98.29	0	0	0	0.07	1.39
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	279	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	280	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	281	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	282	23	853	361.666	-362.175	D	7.51	7.5	0.01	3.1	94.31	0.02	0	0	1.31	4.37
2002	283	23	853	361.666	-362.175	D	7.533	7.5	0.034	3.1	96.81	0.01	0	0	0.6	2.58
2002	284	23	822	358.021	-361.607	D	7.508	7.5	0.008	3.1	98.82	0	0	0	0.2	1
2002	285	23	822	358.021	-361.607	D	7.589	7.5	0.089	3.1	98.88	0.02	0	0	0.04	1.06
2002	286	23	907	365.051	-359.809	D	7.543	7.5	0.044	3.1	98.87	0.01	0	0	0.01	1.11
2002	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	291	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	294	23	907	365.051	-359.809	D	7.502	7.5	0.003	3.1	99.16	0	0	0	0.29	0.59
2002	295	23	907	365.051	-359.809	D	7.519	7.5	0.019	3.1	99.17	0	0	0	0.14	0.69
2002	296	23	822	358.021	-361.607	D	7.511	7.5	0.011	3.1	98.58	0.01	0	0	0.15	1.28
2002	297	23	63	358.458	-361.368	D	7.5	7.5	0	3.1	84.41	0	0	0	4.39	12.3
2002	298	23	907	365.051	-359.809	D	7.576	7.5	0.076	3.1	97.81	0.05	0	0	0.09	2.05
2002	299	23	853	361.666	-362.175	D	7.503	7.5	0.004	3.1	97.79	0.02	0	0	0.08	2.13
2002	300	23	853	361.666	-362.175	D	7.505	7.5	0.005	3.1	98.22	0.02	0	0	0.18	1.62
2002	301	23	907	365.051	-359.809	D	7.983	7.5	0.483	3.1	97.27	0.11	0	0	0.19	2.44
2002	302	23	811	357.434	-360.225	D	7.776	7.5	0.277	3.1	98.3	0.06	0	0	0.1	1.54
2002	303	23	853	361.666	-362.175	D	7.511	7.5	0.012	3.1	98.5	0.01	0	0	0.09	1.41
2002	304	23	861	361.895	-361.506	D	7.5	7.5	0	3.1	94.17	0	0	0	0.76	5.34
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	307	23	907	365.051	-359.809	D	7.513	7.5	0.013	3.1	98.56	0.08	0	0	0.16	1.22
2002	308	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	98.98	0.06	0	0	0.04	0.95
2002	309	23	907	365.051	-359.809	D	7.511	7.5	0.012	3.1	98.65	0.16	0	0	0.06	1.14
2002	310	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	99.16	0.02	0	0	0	0.38
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	332	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	339	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	344	23	78	358.239	-356.385	D	7.593	7.593	0	3.3	85.7	0	0	0	4.94	9.58
2002	345	23	811	357.434	-360.225	D	7.596	7.593	0.003	3.3	95.09	0	0	0	0.79	4.13
2002	346	23	1008	358.048	-354.775	D	7.597	7.593	0.005	3.3	98.32	0	0	0	0.05	1.62
2002	347	23	930	366.19	-357.232	D	7.682	7.593	0.089	3.3	97.99	0.13	0	0	0.11	1.77
2002	348	23	930	366.19	-357.232	D	7.6	7.593	0.007	3.3	98.02	0.11	0	0	0.01	1.85
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	357	23	361	361.165	-360.749	D	7.593	7.593	0	3.3	68.37	0.01	0	0	8.61	14.77
2002	358	23	361	361.165	-360.749	D	7.593	7.593	0	3.3	70.63	0.01	0	0	8.55	14.99
2002	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.534							
INDEPENDENCE									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1037	356.5	-357.195	D	7.691	7.548	0.143	3.204	75.81	23.29	0	0	0	0.9
2002	2	23	383	361.435	-361.237	D	8.048	7.546	**0.502**	3.2	82.72	16.68	0	0	0	0.6
2002	3	23	955	364.92	-354.582	D	7.737	7.546	0.19	3.2	83.54	15.86	0	0	0	0.6
2002	4	23	930	366.19	-357.232	D	7.557	7.546	0.011	3.2	87.04	12.62	0	0	0	0.35
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	927	365.912	-357.454	D	7.827	7.546	0.281	3.2	90.3	9.24	0	0	0	0.46
2002	7	23	822	358.021	-361.607	D	7.717	7.546	0.171	3.2	85.35	14.01	0	0	0	0.64
2002	8	23	933	366.169	-356.524	D	7.564	7.546	0.018	3.2	81.95	17.61	0	0	0	0.44
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	949	365.722	-354.966	D	7.687	7.546	0.141	3.2	92.66	6.94	0	0	0	0.41
2002	11	23	279	360.41	-360.533	D	7.771	7.546	0.225	3.2	70.32	28.09	0	0	0	1.59
2002	12	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	89.17	10.29	0	0	0	0.54
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	10	356.954	-355.443	D	7.546	7.546	0	3.2	94.46	7.81	0	0	0	0.21
2002	17	23	1041	356.936	-357.592	D	7.615	7.546	0.069	3.2	68.86	29.41	0	0	0	1.73
2002	18	23	1008	358.048	-354.775	D	7.597	7.546	0.05	3.2	83.11	16.47	0	0	0	0.42
2002	19	23	974	362.281	-354.249	D	7.583	7.546	0.036	3.2	92.82	6.96	0	0	0	0.22
2002	20	23	949	365.722	-354.966	D	7.691	7.546	0.145	3.2	92.41	7.39	0	0	0	0.2
2002	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	1017	356.894	-355.206	D	7.643	7.546	0.097	3.2	91.1	8.63	0	0	0	0.28
2002	25	23	822	358.021	-361.607	D	7.614	7.546	0.068	3.2	86.25	13.16	0	0	0	0.59
2002	26	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	94.08	5.42	0	0	0	0.31
2002	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1017	356.894	-355.206	D	7.645	7.546	0.099	3.2	89.23	10.46	0	0	0	0.32
2002	30	23	1035	356.477	-356.792	D	9.046	7.546	**1.5**	3.2	90.4	9.36	0	0	0	0.24
2002	31	23	964	363.678	-354.148	D	7.597	7.546	0.051	3.2	92.14	7.75	0	0	0	0.12
2002	32	23	947	365.801	-355.162	D	7.413	7.411	0.001	2.913	93.43	6.48	0	0	0	0.07
2002	33	23	930	366.19	-357.232	D	7.414	7.406	0.008	2.9	93.02	6.58	0	0	0	0.42
2002	34	23	930	366.19	-357.232	D	7.409	7.406	0.004	2.9	93.83	5.88	0	0	0	0.3
2002	35	23	907	365.051	-359.809	D	7.47	7.406	0.064	2.9	60.45	37.02	0	0	0	2.54
2002	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	37	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	38	23	78	358.239	-356.385	D	7.493	7.406	0.087	2.9	89.01	10.53	0	0	0	0.46
2002	39	23	907	365.051	-359.809	D	7.423	7.406	0.017	2.9	92.62	7.13	0	0	0	0.26
2002	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	41	23	949	365.722	-354.966	D	7.406	7.406	0	2.9	93.02	6.92	0	0	0	0.44
2002	42	23	78	358.239	-356.385	D	7.573	7.406	0.167	2.9	81.33	17.73	0	0	0	0.95
2002	43	23	1035	356.477	-356.792	D	7.451	7.406	0.046	2.9	90.98	7.91	0	0	0	1.11
2002	44	23	822	358.021	-361.607	D	7.414	7.406	0.009	2.9	89.35	9.83	0	0	0	0.82
2002	45	23	1008	358.048	-354.775	D	7.506	7.406	0.1	2.9	85.98	13.52	0	0	0	0.5
2002	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	822	358.021	-361.607	D	7.444	7.406	0.039	2.9	78.21	19.95	0	0	0	1.85
2002	49	23	1036	356.488	-356.993	D	7.408	7.406	0.003	2.9	92.71	6.88	0	0	0	0.41
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	949	365.722	-354.966	D	7.406	7.406	0.001	2.9	90.5	8.72	0	0	0	0.8
2002	53	23	949	365.722	-354.966	D	7.433	7.406	0.028	2.9	85.02	13.8	0	0	0	1.18
2002	54	23	1036	356.488	-356.993	D	7.451	7.406	0.046	2.9	88.95	10.58	0	0	0	0.48
2002	55	23	941	365.977	-355.774	D	7.41	7.406	0.005	2.9	94.5	5.29	0	0	0	0.25
2002	56	23	823	358.24	-361.604	D	7.423	7.406	0.017	2.9	64.92	33.12	0	0	0	1.98
2002	57	23	822	358.021	-361.607	D	7.447	7.406	0.041	2.9	75.65	23.14	0	0	0	1.21
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	1041	356.936	-357.592	D	7.753	7.311	0.443	2.7	89.87	9.66	0	0	0	0.47

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	62	23	949	365.722	-354.966	D	7.328	7.311	0.018	2.7	92.27	7.32	0	0	0	0.4
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	98.16	1.29	0	0	0	0.57
2002	72	23	907	365.051	-359.809	D	7.392	7.311	0.081	2.7	94.35	5.3	0	0	0	0.35
2002	73	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	98.25	1.61	0	0	0	0.15
2002	74	23	833	359.603	-362.066	D	7.337	7.311	0.026	2.7	75.7	22.82	0	0	0	1.49
2002	75	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	80	23	927	365.912	-357.454	D	7.377	7.311	0.067	2.7	85.14	13.98	0	0	0	0.87
2002	81	23	1035	356.477	-356.792	D	7.377	7.311	0.067	2.7	79.57	19.41	0	0	0	1.02
2002	82	23	933	366.169	-356.524	D	7.401	7.311	0.09	2.7	85.02	14.48	0	0	0	0.5
2002	83	23	784	365.648	-355.309	D	7.311	7.311	0	2.7	93.79	3.42	0	0	0	0.23
2002	84	23	643	363.609	-354.151	D	7.312	7.311	0.002	2.7	94.44	5.56	0	0	0	0.09
2002	85	23	10	356.954	-355.443	D	7.313	7.311	0.003	2.7	95.14	4.79	0	0	0	0.06
2002	86	23	1035	356.477	-356.792	D	7.573	7.311	0.262	2.7	94.87	4.86	0	0	0	0.27
2002	87	23	1017	356.894	-355.206	D	7.312	7.311	0.002	2.7	99.29	0.5	0	0	0	0.22
2002	88	23	1035	356.477	-356.792	D	7.421	7.311	0.11	2.7	98.88	0.88	0	0	0	0.24
2002	89	23	822	358.021	-361.607	D	7.335	7.311	0.025	2.7	94.57	4.92	0	0	0	0.5
2002	90	23	1017	356.894	-355.206	D	7.32	7.311	0.009	2.7	98.54	0.88	0	0	0	0.6
2002	91	23	949	365.722	-354.966	D	7.35	7.311	0.04	2.7	96.14	3.25	0	0	0	0.62
2002	92	23	930	366.19	-357.232	D	7.412	7.311	0.101	2.7	96.27	3.3	0	0	0	0.42
2002	93	23	907	365.051	-359.809	D	7.311	7.311	0	2.7	98.88	1.65	0	0	0	0.23
2002	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	96	23	949	365.722	-354.966	D	7.317	7.311	0.006	2.7	98.18	1.48	0	0	0	0.37
2002	97	23	933	366.169	-356.524	D	7.315	7.311	0.004	2.7	98.03	1.76	0	0	0	0.21
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	1017	356.894	-355.206	D	7.933	7.311	**0.622**	2.7	93.44	6.24	0	0	0	0.32
2002	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	103	23	966	363.538	-354.124	D	7.402	7.311	0.091	2.7	95.54	4.21	0	0	0	0.25
2002	104	23	1008	358.048	-354.775	D	7.318	7.311	0.008	2.7	99.23	0.61	0	0	0	0.16
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	964	363.678	-354.148	D	7.346	7.311	0.036	2.7	97.28	2.2	0	0	0	0.52
2002	111	23	955	364.92	-354.582	D	7.315	7.311	0.005	2.7	95.75	4.06	0	0	0	0.22
2002	112	23	949	365.722	-354.966	D	7.329	7.311	0.018	2.7	94.8	4.31	0	0	0	0.89
2002	113	23	949	365.722	-354.966	D	7.324	7.311	0.013	2.7	98.71	0.89	0	0	0	0.39
2002	114	23	949	365.722	-354.966	D	7.334	7.311	0.023	2.7	97.94	1.67	0	0	0	0.4
2002	115	23	822	358.021	-361.607	D	7.314	7.311	0.003	2.7	97.74	1.82	0	0	0	0.46
2002	116	23	949	365.722	-354.966	D	7.334	7.311	0.023	2.7	96.72	3	0	0	0	0.29
2002	117	23	965	363.588	-354.142	D	7.311	7.311	0	2.7	98.89	0.86	0	0	0	0.22
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	822	358.021	-361.607	D	7.441	7.311	0.13	2.7	96.65	2.85	0	0	0	0.5
2002	120	23	1017	356.894	-355.206	D	7.406	7.311	0.096	2.7	99.45	0.35	0	0	0	0.2
2002	121	23	1006	358.469	-354.76	D	7.582	7.581	0.001	3.275	99.64	0.39	0	0	0	0.1
2002	122	23	1017	356.894	-355.206	D	7.678	7.593	0.085	3.3	91.25	8.27	0	0	0	0.48
2002	123	23	710	364.843	-359.589	D	7.593	7.593	0	3.3	94.98	0.76	0	0	0	0.04
2002	124	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1035	356.477	-356.792	D	7.624	7.593	0.032	3.3	91.84	7.38	0	0	0	0.78
2002	130	23	974	362.281	-354.249	D	7.685	7.593	0.093	3.3	97.23	2.39	0	0	0	0.37
2002	131	23	931	366.183	-356.996	D	7.593	7.593	0	3.3	99.4	0.51	0	0	0	0.07
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	1017	356.894	-355.206	D	7.806	7.593	0.214	3.3	95.27	4.54	0	0	0	0.19
2002	134	23	832	359.493	-362.061	D	7.631	7.593	0.039	3.3	98.54	0.99	0	0	0	0.48
2002	135	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.11	0.59	0	0	0	0.25
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	138	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	139	23	811	357.434	-360.225	D	7.673	7.593	0.08	3.3	98.46	1.17	0	0	0	0.38

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	140	23	949	365.722	-354.966	D	7.807	7.593	0.214	3.3	95.57	4.03	0	0	0	0.4
2002	141	23	822	358.021	-361.607	D	7.596	7.593	0.004	3.3	99.04	0.74	0	0	0	0.23
2002	142	23	1035	356.477	-356.792	D	7.594	7.593	0.002	3.3	99.5	0.36	0	0	0	0.14
2002	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	967	363.478	-354.116	D	7.607	7.593	0.015	3.3	99.45	0.37	0	0	0	0.18
2002	157	23	1035	356.477	-356.792	D	7.693	7.593	0.101	3.3	98.73	1.05	0	0	0	0.22
2002	158	23	1017	356.894	-355.206	D	7.616	7.593	0.023	3.3	99.59	0.2	0	0	0	0.22
2002	159	23	1007	358.259	-354.768	D	7.593	7.593	0	3.3	99.33	0.03	0	0	0	0.16
2002	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	964	363.678	-354.148	D	7.6	7.593	0.008	3.3	99.7	0.06	0	0	0	0.24
2002	165	23	949	365.722	-354.966	D	7.9	7.593	0.307	3.3	99.26	0.5	0	0	0	0.24
2002	166	23	933	366.169	-356.524	D	7.621	7.593	0.028	3.3	94.27	3.97	0	0	0	1.75
2002	167	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.6	0.07	0	0	0	0.35
2002	168	23	822	358.021	-361.607	D	7.719	7.593	0.127	3.3	99.53	0.23	0	0	0	0.23
2002	169	23	930	366.19	-357.232	D	7.731	7.593	0.138	3.3	99.77	0.08	0	0	0	0.16
2002	170	23	949	365.722	-354.966	D	7.634	7.593	0.041	3.3	99.8	0.08	0	0	0	0.13
2002	171	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	99.75	0.02	0	0	0	0.13
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	179	23	949	365.722	-354.966	D	7.618	7.593	0.026	3.3	99.64	0.19	0	0	0	0.17
2002	180	23	949	365.722	-354.966	D	7.634	7.593	0.041	3.3	99.77	0.1	0	0	0	0.13
2002	181	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	99.33	0.01	0	0	0	0.12
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	192	23	930	366.19	-357.232	D	7.604	7.593	0.011	3.3	98.92	0.91	0	0	0	0.17
2002	193	23	853	361.666	-362.175	D	7.609	7.593	0.016	3.3	99.68	0.2	0	0	0	0.12
2002	194	23	907	365.051	-359.809	D	7.596	7.593	0.003	3.3	98.96	0.95	0	0	0	0.1
2002	195	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	967	363.478	-354.116	D	7.673	7.593	0.08	3.3	99.45	0.37	0	0	0	0.18
2002	205	23	853	361.666	-362.175	D	7.647	7.593	0.055	3.3	99.76	0.11	0	0	0	0.14
2002	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1008	358.048	-354.775	D	7.603	7.593	0.01	3.3	99.78	0.02	0	0	0	0.22
2002	215	23	1008	358.048	-354.775	D	7.601	7.593	0.008	3.3	99.81	0.06	0	0	0	0.15
2002	216	23	1	356.546	-357.458	D	7.594	7.593	0.001	3.3	99.98	0.02	0	0	0	0.08
2002	217	23	643	363.609	-354.151	D	7.593	7.593	0.001	3.3	99.92	0.01	0	0	0	0.07

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	218	23	1017	356.894	-355.206	D	7.609	7.593	0.016	3.3	99.73	0.11	0	0	0	0.17
2002	219	23	1017	356.894	-355.206	D	7.607	7.593	0.014	3.3	99.68	0.18	0	0	0	0.14
2002	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	972	362.744	-354.242	D	7.6	7.593	0.008	3.3	99.59	0.14	0	0	0	0.27
2002	227	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.61	0.09	0	0	0	0.22
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	949	365.722	-354.966	D	8.01	7.593	0.417	3.3	97.78	1.96	0	0	0	0.26
2002	237	23	822	358.021	-361.607	D	7.6	7.593	0.007	3.3	98.69	1.18	0	0	0	0.17
2002	238	23	191	359.732	-362.061	D	7.593	7.593	0	3.3	99.66	0.06	0	0	0	0.15
2002	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	949	365.722	-354.966	D	7.669	7.639	0.03	3.4	99.58	0.16	0	0	0	0.27
2002	248	23	964	363.678	-354.148	D	7.731	7.639	0.092	3.4	99.71	0.1	0	0	0	0.19
2002	249	23	1017	356.894	-355.206	D	7.665	7.639	0.026	3.4	99.81	0.03	0	0	0	0.17
2002	250	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.84	0.01	0	0	0	0.15
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	933	366.169	-356.524	D	7.695	7.639	0.056	3.4	94.19	5.32	0	0	0	0.49
2002	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	257	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	258	23	1017	356.894	-355.206	D	7.794	7.639	0.155	3.4	99.01	0.78	0	0	0	0.21
2002	259	23	907	365.051	-359.809	D	8.071	7.639	0.432	3.4	99.23	0.62	0	0	0	0.15
2002	260	23	949	365.722	-354.966	D	7.92	7.639	0.281	3.4	99.54	0.33	0	0	0	0.12
2002	261	23	949	365.722	-354.966	D	7.651	7.639	0.012	3.4	98.82	1.08	0	0	0	0.1
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	1036	356.488	-356.993	D	7.719	7.639	0.08	3.4	98.94	0.81	0	0	0	0.25
2002	266	23	1039	356.522	-357.599	D	7.649	7.639	0.01	3.4	92.26	6.8	0	0	0	0.95
2002	267	23	1008	358.048	-354.775	D	7.709	7.639	0.071	3.4	98.8	0.86	0	0	0	0.34
2002	268	23	974	362.281	-354.249	D	7.701	7.639	0.062	3.4	99.27	0.53	0	0	0	0.21
2002	269	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	270	23	1035	356.477	-356.792	D	7.645	7.639	0.006	3.4	99.48	0.09	0	0	0	0.42
2002	271	23	1017	356.894	-355.206	D	7.717	7.639	0.078	3.4	99.17	0.54	0	0	0	0.29
2002	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	907	365.051	-359.809	D	7.532	7.5	0.033	3.1	72.85	25.28	0	0	0	1.87
2002	279	23	1035	356.477	-356.792	D	7.507	7.5	0.008	3.1	98.74	1.01	0	0	0	0.27
2002	280	23	773	365.4	-355.32	D	7.56	7.5	0.06	3.1	95.37	3.38	0	0	0	1.25
2002	281	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	286	23	78	358.239	-356.385	D	7.656	7.5	0.157	3.1	97.22	2.52	0	0	0	0.26
2002	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	288	23	853	361.666	-362.175	D	7.511	7.5	0.012	3.1	95.65	3.09	0	0	0	1.27
2002	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	291	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	292	23	941	365.977	-355.774	D	7.662	7.5	0.162	3.1	88.05	11.55	0	0	0	0.4
2002	293	23	853	361.666	-362.175	D	7.505	7.5	0.005	3.1	95.1	4.83	0	0	0	0.11
2002	294	23	822	358.021	-361.607	D	7.501	7.5	0.001	3.1	98.88	1.09	0	0	0	0.1
2002	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	99.42	0.48	0	0	0	0.11

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	296	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	96.21	3.4	0	0	0	0.23
2002	297	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	298	23	967	363.478	-354.116	D	7.512	7.5	0.013	3.1	91.01	8.72	0	0	0	0.27
2002	299	23	949	365.722	-354.966	D	7.928	7.5	0.429	3.1	90.84	8.78	0	0	0	0.38
2002	300	23	832	359.493	-362.061	D	7.544	7.5	0.045	3.1	93.37	6.37	0	0	0	0.27
2002	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	304	23	1039	356.522	-357.599	D	7.501	7.5	0.001	3.1	60.67	37.77	0	0	0	1.6
2002	305	23	1039	356.522	-357.599	D	7.5	7.5	0	3.1	93.49	6.33	0	0	0	0.27
2002	306	23	907	365.051	-359.809	D	7.711	7.5	0.212	3.1	89.97	9.57	0	0	0	0.46
2002	307	23	949	365.722	-354.966	D	7.537	7.5	0.038	3.1	93.48	6.3	0	0	0	0.22
2002	308	23	933	366.169	-356.524	D	7.547	7.5	0.047	3.1	92.89	6.83	0	0	0	0.28
2002	309	23	949	365.722	-354.966	D	7.571	7.5	0.072	3.1	93.76	6.05	0	0	0	0.2
2002	310	23	949	365.722	-354.966	D	7.568	7.5	0.069	3.1	92.74	7.01	0	0	0	0.25
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	949	365.722	-354.966	D	7.555	7.5	0.056	3.1	97.94	1.23	0	0	0	0.82
2002	315	23	927	365.912	-357.454	D	7.616	7.5	0.117	3.1	74.11	23.96	0	0	0	1.93
2002	316	23	1039	356.522	-357.599	D	7.574	7.5	0.075	3.1	85.04	14.11	0	0	0	0.85
2002	317	23	930	366.19	-357.232	D	7.522	7.5	0.022	3.1	89.24	10.02	0	0	0	0.74
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	747	364.871	-354.594	D	7.529	7.5	0.029	3.1	87.41	12.25	0	0	0	0.35
2002	320	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	86.91	12.4	0	0	0	0.74
2002	321	23	949	365.722	-354.966	D	7.57	7.5	0.071	3.1	84.82	14.54	0	0	0	0.65
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	933	366.169	-356.524	D	7.505	7.5	0.005	3.1	74.52	23.35	0	0	0	2.15
2002	324	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	96.6	3.07	0	0	0	0.62
2002	325	23	949	365.722	-354.966	D	7.502	7.5	0.002	3.1	93.35	5.51	0	0	0	1.19
2002	326	23	949	365.722	-354.966	D	7.565	7.5	0.066	3.1	88.1	11.02	0	0	0	0.87
2002	327	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	89.38	10.19	0	0	0	0.52
2002	328	23	1008	358.048	-354.775	D	7.502	7.5	0.002	3.1	95.72	4.01	0	0	0	0.29
2002	329	23	930	366.19	-357.232	D	7.513	7.5	0.014	3.1	93.99	5.87	0	0	0	0.14
2002	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	331	23	1017	356.894	-355.206	D	7.502	7.5	0.002	3.1	83.11	16.38	0	0	0	0.56
2002	332	23	1017	356.894	-355.206	D	7.538	7.5	0.039	3.1	83	16.61	0	0	0	0.39
2002	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	334	23	947	365.801	-355.162	D	7.5	7.5	0	3.1	80.5	18.5	0	0	0	1.5

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	335	23	927	365.912	-357.454	D	7.685	7.589	0.096	3.292	62.86	35.25	0	0	0	1.9
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	853	361.666	-362.175	D	7.67	7.593	0.078	3.3	86.32	13.04	0	0	0	0.64
2002	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	339	23	1017	356.894	-355.206	D	7.621	7.593	0.028	3.3	86.44	13.1	0	0	0	0.46
2002	340	23	930	366.19	-357.232	D	7.668	7.593	0.075	3.3	87.42	12.18	0	0	0	0.4
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	966	363.538	-354.124	D	7.623	7.593	0.03	3.3	94.08	5.72	0	0	0	0.2
2002	343	23	822	358.021	-361.607	D	7.703	7.593	0.11	3.3	94.57	5.3	0	0	0	0.14
2002	344	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	347	23	1035	356.477	-356.792	D	7.627	7.593	0.034	3.3	93.51	6.26	0	0	0	0.23
2002	348	23	78	358.239	-356.385	D	7.769	7.593	0.176	3.3	85.01	14.35	0	0	0	0.64
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	1017	356.894	-355.206	D	7.694	7.593	0.102	3.3	84.16	15.06	0	0	0	0.77
2002	354	23	644	364.12	-360.12	D	7.593	7.593	0	3.3	80.25	10.24	0	0	0	0.25
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	964	363.678	-354.148	D	7.616	7.593	0.023	3.3	73.4	25.93	0	0	0	0.67
2002	357	23	1008	358.048	-354.775	D	7.602	7.593	0.01	3.3	80.51	19.04	0	0	0	0.45
2002	358	23	1039	356.522	-357.599	D	7.636	7.593	0.043	3.3	82.91	16.82	0	0	0	0.27
2002	359	23	949	365.722	-354.966	D	7.633	7.593	0.04	3.3	68.2	29.84	0	0	0	1.96
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	933	366.169	-356.524	D	7.593	7.593	0	3.3	92.14	7.61	0	0	0	0.18
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.623	7.593	0.03	3.3	86.44	13.14	0	0	0	0.43
									1.5							
MARSHALL									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2002	2	23	949	365.722	-354.966	D	7.713	7.546	0.167	3.2	63.02	36.09	0	0	0	0.89
2002	3	23	907	365.051	-359.809	D	7.669	7.546	0.122	3.2	68.78	30.57	0	0	0	0.65

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	67.97	31.13	0	0	0	1.07
2002	7	23	931	366.183	-356.996	D	7.558	7.546	0.012	3.2	45.46	53.1	0	0	0	1.44
2002	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	1017	356.894	-355.206	D	7.67	7.546	0.124	3.2	82.02	17.3	0	0	0	0.69
2002	11	23	930	366.19	-357.232	D	7.609	7.546	0.063	3.2	88.5	11	0	0	0	0.5
2002	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	72.13	27.14	0	0	0	0.97
2002	17	23	930	366.19	-357.232	D	7.632	7.546	0.085	3.2	63.86	35.15	0	0	0	0.99
2002	18	23	974	362.281	-354.249	D	7.619	7.546	0.073	3.2	70.45	28.98	0	0	0	0.57
2002	19	23	1017	356.894	-355.206	D	7.617	7.546	0.071	3.2	82.7	16.95	0	0	0	0.36
2002	20	23	930	366.19	-357.232	D	7.832	7.546	0.286	3.2	81.79	17.93	0	0	0	0.28
2002	21	23	643	363.609	-354.151	D	7.546	7.546	0	3.2	89.62	10.31	0	0	0	0.1
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	933	366.169	-356.524	D	7.643	7.546	0.097	3.2	65.63	33.5	0	0	0	0.87
2002	25	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	83.95	15.71	0	0	0	0.36
2002	26	23	763	365.51	-357.811	D	7.546	7.546	0	3.2	92.52	5.43	0	0	0	0.32
2002	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	30	23	907	365.051	-359.809	D	8.179	7.546	**0.633**	3.2	83.38	16.29	0	0	0	0.33
2002	31	23	822	358.021	-361.607	D	7.992	7.546	0.446	3.2	87.29	12.53	0	0	0	0.18
2002	32	23	933	366.169	-356.524	D	7.454	7.411	0.043	2.913	87.98	11.92	0	0	0	0.1
2002	33	23	931	366.183	-356.996	D	7.406	7.406	0	2.9	89.2	10.72	0	0	0	0.52
2002	34	23	786	365.973	-357.042	D	7.406	7.406	0	2.9	87.9	11.34	0	0	0	0.4
2002	35	23	773	365.4	-355.32	D	7.447	7.406	0.041	2.9	61.54	36.95	0	0	0	1.51
2002	36	23	1035	356.477	-356.792	D	7.408	7.406	0.002	2.9	76.19	23.39	0	0	0	0.53
2002	37	23	1017	356.894	-355.206	D	7.406	7.406	0.001	2.9	84.66	15.4	0	0	0	0.35
2002	38	23	949	365.722	-354.966	D	7.409	7.406	0.003	2.9	87.15	12.55	0	0	0	0.36
2002	39	23	929	366.032	-357.239	D	7.406	7.406	0.001	2.9	90.72	9.31	0	0	0	0.2
2002	40	23	947	365.801	-355.162	D	7.406	7.406	0	2.9	94.78	6.89	0	0	0	0.17
2002	41	23	949	365.722	-354.966	D	7.406	7.406	0.001	2.9	83.48	16.35	0	0	0	0.3
2002	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	44	23	1037	356.5	-357.195	D	7.462	7.406	0.056	2.9	53.05	44.83	0	0	0	2.13
2002	45	23	907	365.051	-359.809	D	7.416	7.406	0.01	2.9	80.37	19	0	0	0	0.67
2002	46	23	949	365.722	-354.966	D	7.406	7.406	0.001	2.9	85.36	14.35	0	0	0	0.3
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	937	365.757	-356.343	D	7.454	7.406	0.048	2.9	64.37	33.71	0	0	0	1.93
2002	49	23	1035	356.477	-356.792	D	7.416	7.406	0.01	2.9	84.2	15.19	0	0	0	0.62
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	53	23	990	360.933	-355.487	D	7.51	7.406	0.105	2.9	56.11	42.06	0	0	0	1.83
2002	54	23	1003	359.099	-354.737	D	7.446	7.406	0.041	2.9	80	19.36	0	0	0	0.64
2002	55	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	88.15	11.73	0	0	0	0.37
2002	56	23	933	366.169	-356.524	D	7.472	7.406	0.067	2.9	82.81	16.63	0	0	0	0.57
2002	57	23	930	366.19	-357.232	D	7.408	7.406	0.002	2.9	84.95	14.6	0	0	0	0.45
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	955	364.92	-354.582	D	7.336	7.311	0.026	2.7	74.49	24.97	0	0	0	0.55
2002	62	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	102.76	9.19	0	0	0	0.04
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	1017	356.894	-355.206	D	7.313	7.311	0.002	2.7	95.36	4.02	0	0	0	0.72
2002	72	23	963	363.809	-354.192	D	7.324	7.311	0.013	2.7	88.07	11.48	0	0	0	0.45
2002	73	23	730	364.623	-354.605	D	7.311	7.311	0	2.7	97.93	1.2	0	0	0	0.18
2002	74	23	967	363.478	-354.116	D	7.437	7.311	0.126	2.7	81.97	17.36	0	0	0	0.67
2002	75	23	822	358.021	-361.607	D	7.442	7.311	0.131	2.7	82.95	16.51	0	0	0	0.54
2002	76	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	93.22	6.65	0	0	0	0.47
2002	77	23	967	363.478	-354.116	D	7.312	7.311	0.001	2.7	92.92	6.94	0	0	0	0.3
2002	78	23	10	356.954	-355.443	D	7.311	7.311	0	2.7	95.7	3.03	0	0	0	0.22
2002	79	23	1037	356.5	-357.195	D	7.381	7.311	0.071	2.7	70.5	28.18	0	0	0	1.32
2002	80	23	947	365.801	-355.162	D	7.363	7.311	0.052	2.7	81.34	18.11	0	0	0	0.55
2002	81	23	930	366.19	-357.232	D	7.314	7.311	0.004	2.7	57.81	40.87	0	0	0	1.29

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	82	23	906	364.982	-359.812	D	7.311	7.311	0	2.7	83.96	19.27	0	0	0	0.32
2002	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	85	23	949	365.722	-354.966	D	7.455	7.311	0.144	2.7	76.05	23.12	0	0	0	0.83
2002	86	23	930	366.19	-357.232	D	7.366	7.311	0.055	2.7	93.03	6.6	0	0	0	0.38
2002	87	23	966	363.538	-354.124	D	7.341	7.311	0.031	2.7	96.48	3.31	0	0	0	0.21
2002	88	23	822	358.021	-361.607	D	7.372	7.311	0.062	2.7	97.72	1.81	0	0	0	0.48
2002	89	23	907	365.051	-359.809	D	7.346	7.311	0.035	2.7	91.31	8.11	0	0	0	0.58
2002	90	23	1017	356.894	-355.206	D	7.321	7.311	0.01	2.7	97.4	1.81	0	0	0	0.8
2002	91	23	907	365.051	-359.809	D	7.37	7.311	0.059	2.7	91.38	7.95	0	0	0	0.67
2002	92	23	1035	356.477	-356.792	D	7.33	7.311	0.019	2.7	90.99	8.54	0	0	0	0.47
2002	93	23	933	366.169	-356.524	D	7.406	7.311	0.095	2.7	63.97	34.39	0	0	0	1.64
2002	94	23	1035	356.477	-356.792	D	7.464	7.311	0.153	2.7	84.33	15.11	0	0	0	0.56
2002	95	23	822	358.021	-361.607	D	7.36	7.311	0.049	2.7	94.66	4.98	0	0	0	0.36
2002	96	23	1017	356.894	-355.206	D	7.364	7.311	0.053	2.7	96.98	2.76	0	0	0	0.26
2002	97	23	933	366.169	-356.524	D	7.317	7.311	0.006	2.7	96.82	2.94	0	0	0	0.25
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	930	366.19	-357.232	D	7.525	7.311	0.214	2.7	83.77	15.69	0	0	0	0.54
2002	100	23	1035	356.477	-356.792	D	7.311	7.311	0	2.7	93.52	6.28	0	0	0	0.35
2002	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	948	365.727	-355.056	D	7.311	7.311	0.001	2.7	98.86	0.89	0	0	0	0.33
2002	111	23	966	363.538	-354.124	D	7.315	7.311	0.004	2.7	95.91	3.79	0	0	0	0.33
2002	112	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	98.83	1.66	0	0	0	0.16
2002	113	23	619	363.872	-360.131	D	7.311	7.311	0	2.7	97.19	2.33	0	0	0	0.39
2002	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	115	23	56	357.991	-356.395	D	7.342	7.311	0.031	2.7	61.9	34.94	0	0	0	3.17
2002	116	23	949	365.722	-354.966	D	7.328	7.311	0.017	2.7	92.61	6.91	0	0	0	0.5
2002	117	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	96.42	3.26	0	0	0	0.3
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	949	365.722	-354.966	D	7.316	7.311	0.005	2.7	97.26	1.91	0	0	0	0.86
2002	120	23	949	365.722	-354.966	D	7.313	7.311	0.003	2.7	99.07	0.58	0	0	0	0.43

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	121	23	961	364.092	-354.289	D	7.581	7.581	0	3.275	97.65	1.99	0	0	0	0.19
2002	122	23	1039	356.522	-357.599	D	7.74	7.593	0.148	3.3	91.9	7.8	0	0	0	0.3
2002	123	23	1035	356.477	-356.792	D	7.627	7.593	0.034	3.3	98.44	1.36	0	0	0	0.2
2002	124	23	822	358.021	-361.607	D	7.638	7.593	0.046	3.3	97.81	2.08	0	0	0	0.11
2002	125	23	822	358.021	-361.607	D	7.623	7.593	0.03	3.3	98.67	1.23	0	0	0	0.1
2002	126	23	643	363.609	-354.151	D	7.594	7.593	0.001	3.3	99.85	0.04	0	0	0	0.07
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	130	23	853	361.666	-362.175	D	7.642	7.593	0.049	3.3	97.81	1.89	0	0	0	0.31
2002	131	23	967	363.478	-354.116	D	7.603	7.593	0.01	3.3	98.71	1.13	0	0	0	0.16
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	949	365.722	-354.966	D	7.687	7.593	0.095	3.3	86.79	12.78	0	0	0	0.43
2002	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	1035	356.477	-356.792	D	7.619	7.593	0.026	3.3	94.06	5.78	0	0	0	0.16
2002	138	23	1007	358.259	-354.768	D	7.632	7.593	0.04	3.3	97.73	1.92	0	0	0	0.35
2002	139	23	1039	356.522	-357.599	D	7.864	7.593	0.271	3.3	94.97	4.73	0	0	0	0.29
2002	140	23	1036	356.488	-356.993	D	7.6	7.593	0.007	3.3	98.4	1.14	0	0	0	0.44
2002	141	23	949	365.722	-354.966	D	7.78	7.593	0.187	3.3	94.7	4.94	0	0	0	0.36
2002	142	23	947	365.801	-355.162	D	7.658	7.593	0.066	3.3	98.29	1.49	0	0	0	0.22
2002	143	23	27	357.451	-355.421	D	7.593	7.593	0	3.3	69.16	0.14	0	0	0	0.08
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	964	363.678	-354.148	D	7.596	7.593	0.003	3.3	96.52	3.24	0	0	0	0.29
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1017	356.894	-355.206	D	7.598	7.593	0.005	3.3	98.58	1.14	0	0	0	0.29
2002	157	23	1039	356.522	-357.599	D	7.614	7.593	0.021	3.3	96.48	3.07	0	0	0	0.46
2002	158	23	949	365.722	-354.966	D	7.6	7.593	0.007	3.3	99.14	0.61	0	0	0	0.26
2002	159	23	964	363.678	-354.148	D	7.594	7.593	0.002	3.3	99.65	0.2	0	0	0	0.19

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	100.14	0.05	0	0	0	0.15
2002	165	23	941	365.977	-355.774	D	7.74	7.593	0.147	3.3	96.61	2.96	0	0	0	0.43
2002	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	168	23	930	366.19	-357.232	D	7.815	7.593	0.222	3.3	98.23	1.43	0	0	0	0.33
2002	169	23	930	366.19	-357.232	D	7.742	7.593	0.149	3.3	99.53	0.26	0	0	0	0.21
2002	170	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	99.74	0.09	0	0	0	0.18
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	947	365.801	-355.162	D	7.596	7.593	0.003	3.3	99.65	0.09	0	0	0	0.26
2002	180	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	99.66	0.15	0	0	0	0.19
2002	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	947	365.801	-355.162	D	7.594	7.593	0.002	3.3	99.79	0.05	0	0	0	0.16
2002	187	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.82	0.05	0	0	0	0.13
2002	188	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	99.92	0.03	0	0	0	0.12
2002	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	95.33	0.03	0	0	0	0.13
2002	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	192	23	964	363.678	-354.148	D	7.599	7.593	0.007	3.3	98.06	1.74	0	0	0	0.21
2002	193	23	949	365.722	-354.966	D	7.607	7.593	0.014	3.3	99.31	0.53	0	0	0	0.16
2002	194	23	1017	356.894	-355.206	D	7.6	7.593	0.008	3.3	98.12	1.77	0	0	0	0.13
2002	195	23	832	359.493	-362.061	D	7.594	7.593	0.001	3.3	99.64	0.19	0	0	0	0.12
2002	196	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	98.98	0.15	0	0	0	0.13
2002	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	964	363.678	-354.148	D	7.694	7.593	0.102	3.3	99.14	0.57	0	0	0	0.29
2002	205	23	853	361.666	-362.175	D	7.651	7.593	0.058	3.3	99.56	0.23	0	0	0	0.21
2002	206	23	1039	356.522	-357.599	D	7.655	7.593	0.063	3.3	99.72	0.08	0	0	0	0.21
2002	207	23	967	363.478	-354.116	D	7.655	7.593	0.063	3.3	99.69	0.15	0	0	0	0.16
2002	208	23	789	365.918	-355.796	D	7.593	7.593	0.001	3.3	99.82	0.04	0	0	0	0.12
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1017	356.894	-355.206	D	7.606	7.593	0.013	3.3	99.42	0.07	0	0	0	0.52
2002	215	23	1017	356.894	-355.206	D	7.599	7.593	0.006	3.3	99.54	0.2	0	0	0	0.27
2002	216	23	1006	358.469	-354.76	D	7.594	7.593	0.001	3.3	99.86	0.07	0	0	0	0.11
2002	217	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	100.02	0.02	0	0	0	0.1
2002	218	23	949	365.722	-354.966	D	7.717	7.593	0.124	3.3	99.56	0.18	0	0	0	0.26
2002	219	23	822	358.021	-361.607	D	7.666	7.593	0.074	3.3	99.12	0.69	0	0	0	0.19
2002	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.74	0.1	0	0	0	0.21
2002	232	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.67	0.19	0	0	0	0.19
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	949	365.722	-354.966	D	7.68	7.593	0.087	3.3	99.11	0.41	0	0	0	0.48
2002	237	23	822	358.021	-361.607	D	7.971	7.593	0.379	3.3	97.42	2.32	0	0	0	0.26

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	238	23	1039	356.522	-357.599	D	7.595	7.593	0.003	3.3	99.46	0.13	0	0	0	0.42
2002	239	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	949	365.722	-354.966	D	7.652	7.639	0.014	3.4	99.5	0.16	0	0	0	0.35
2002	248	23	949	365.722	-354.966	D	7.707	7.639	0.068	3.4	99.55	0.2	0	0	0	0.26
2002	249	23	1017	356.894	-355.206	D	7.658	7.639	0.019	3.4	99.75	0.05	0	0	0	0.21
2002	250	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.81	0.03	0	0	0	0.19
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	900	364.265	-360.243	D	7.65	7.639	0.011	3.4	80.6	18.32	0	0	0	1.08
2002	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	256	23	1039	356.522	-357.599	D	7.648	7.639	0.009	3.4	99.64	0.11	0	0	0	0.26
2002	257	23	1017	356.894	-355.206	D	7.648	7.639	0.009	3.4	99.62	0.18	0	0	0	0.21
2002	258	23	964	363.678	-354.148	D	7.74	7.639	0.101	3.4	98.94	0.61	0	0	0	0.44
2002	259	23	1008	358.048	-354.775	D	8.456	7.639	**0.817**	3.4	97.15	2.58	0	0	0	0.27
2002	260	23	967	363.478	-354.116	D	7.882	7.639	0.244	3.4	99.18	0.63	0	0	0	0.19
2002	261	23	949	365.722	-354.966	D	7.647	7.639	0.008	3.4	97.8	2.08	0	0	0	0.14
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	1039	356.522	-357.599	D	7.717	7.639	0.078	3.4	96.79	2.73	0	0	0	0.47
2002	266	23	197	359.666	-360.566	D	7.692	7.639	0.053	3.4	91.31	7.8	0	0	0	0.89
2002	267	23	974	362.281	-354.249	D	7.699	7.639	0.06	3.4	97.62	1.82	0	0	0	0.57
2002	268	23	967	363.478	-354.116	D	7.696	7.639	0.057	3.4	98.66	1.05	0	0	0	0.29
2002	269	23	1017	356.894	-355.206	D	7.646	7.639	0.007	3.4	99.44	0.34	0	0	0	0.22
2002	270	23	822	358.021	-361.607	D	7.7	7.639	0.061	3.4	99.01	0.52	0	0	0	0.47
2002	271	23	822	358.021	-361.607	D	7.793	7.639	0.155	3.4	99.19	0.52	0	0	0	0.28
2002	272	23	1008	358.048	-354.775	D	7.728	7.639	0.09	3.4	99.02	0.78	0	0	0	0.2
2002	273	23	643	363.609	-354.151	D	7.642	7.639	0.003	3.4	99.8	0.07	0	0	0	0.14
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	907	365.051	-359.809	D	7.52	7.5	0.021	3.1	92.83	6.07	0	0	0	1.12
2002	279	23	822	358.021	-361.607	D	7.507	7.5	0.008	3.1	97.67	1.87	0	0	0	0.48
2002	280	23	56	357.991	-356.395	D	7.529	7.5	0.029	3.1	76.14	20.19	0	0	0	3.67
2002	281	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	99.04	1.69	0	0	0	0.53
2002	282	23	1007	358.259	-354.768	D	7.5	7.5	0.001	3.1	98.41	1.35	0	0	0	0.35
2002	283	23	62	357.925	-354.901	D	7.5	7.5	0	3.1	98.96	0.57	0	0	0	0.25
2002	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	286	23	1037	356.5	-357.195	D	7.549	7.5	0.05	3.1	68.13	30.31	0	0	0	1.56
2002	287	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	288	23	933	366.169	-356.524	D	7.518	7.5	0.018	3.1	93.5	6.19	0	0	0	0.32
2002	289	23	55	358.002	-356.645	D	7.524	7.5	0.024	3.1	68.37	29.84	0	0	0	1.79
2002	290	23	949	365.722	-354.966	D	7.593	7.5	0.094	3.1	84.64	14.93	0	0	0	0.44
2002	291	23	907	365.051	-359.809	D	7.506	7.5	0.007	3.1	97.84	1.85	0	0	0	0.34
2002	292	23	930	366.19	-357.232	D	7.58	7.5	0.081	3.1	80.95	18.56	0	0	0	0.49
2002	293	23	853	361.666	-362.175	D	7.5	7.5	0.001	3.1	87.19	12.62	0	0	0	0.16
2002	294	23	822	358.021	-361.607	D	7.503	7.5	0.004	3.1	94.05	5.83	0	0	0	0.16
2002	295	23	1017	356.894	-355.206	D	7.503	7.5	0.004	3.1	95.58	4.15	0	0	0	0.29
2002	296	23	1017	356.894	-355.206	D	7.514	7.5	0.015	3.1	93.86	5.87	0	0	0	0.28
2002	297	23	1035	356.477	-356.792	D	7.504	7.5	0.004	3.1	96.53	3.26	0	0	0	0.23
2002	298	23	1008	358.048	-354.775	D	7.61	7.5	0.11	3.1	86.06	13.53	0	0	0	0.4
2002	299	23	933	366.169	-356.524	D	7.748	7.5	0.249	3.1	91.39	8.41	0	0	0	0.2
2002	300	23	822	358.021	-361.607	D	7.705	7.5	0.206	3.1	88.1	11.61	0	0	0	0.29
2002	301	23	1017	356.894	-355.206	D	7.54	7.5	0.04	3.1	91.34	8.48	0	0	0	0.19
2002	302	23	1035	356.477	-356.792	D	7.514	7.5	0.015	3.1	92.82	7.03	0	0	0	0.16
2002	303	23	822	358.021	-361.607	D	7.539	7.5	0.039	3.1	93.65	6.08	0	0	0	0.28
2002	304	23	930	366.19	-357.232	D	7.63	7.5	0.131	3.1	81.56	17.92	0	0	0	0.53
2002	305	23	930	366.19	-357.232	D	7.617	7.5	0.118	3.1	84.25	15.3	0	0	0	0.45
2002	306	23	853	361.666	-362.175	D	7.502	7.5	0.002	3.1	85.06	14.58	0	0	0	0.36
2002	307	23	930	366.19	-357.232	D	7.534	7.5	0.034	3.1	86.35	13.39	0	0	0	0.27
2002	308	23	746	364.882	-354.843	D	7.5	7.5	0	3.1	78.66	8.4	0	0	0	0.13
2002	309	23	947	365.801	-355.162	D	7.502	7.5	0.002	3.1	93.05	6.91	0	0	0	0.15
2002	310	23	949	365.722	-354.966	D	7.633	7.5	0.134	3.1	87.8	11.95	0	0	0	0.25
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	316	23	1017	356.894	-355.206	D	7.58	7.5	0.08	3.1	58.91	39.39	0	0	0	1.7
2002	317	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	88.2	10.63	0	0	0	1.08
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	1035	356.477	-356.792	D	7.674	7.5	0.174	3.1	79.27	20.13	0	0	0	0.6
2002	320	23	1035	356.477	-356.792	D	7.64	7.5	0.14	3.1	76.44	22.81	0	0	0	0.76
2002	321	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	79.48	19.83	0	0	0	0.68
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	947	365.801	-355.162	D	7.505	7.5	0.005	3.1	74.79	24.66	0	0	0	0.56
2002	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	326	23	933	366.169	-356.524	D	7.532	7.5	0.032	3.1	45.18	52.33	0	0	0	2.49
2002	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	328	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	90.83	8.93	0	0	0	0.4
2002	329	23	1037	356.5	-357.195	D	7.511	7.5	0.012	3.1	72.98	26.27	0	0	0	0.76
2002	330	23	822	358.021	-361.607	D	7.549	7.5	0.05	3.1	80.4	19.01	0	0	0	0.6
2002	331	23	1037	356.5	-357.195	D	7.6	7.5	0.101	3.1	59.69	39.13	0	0	0	1.18
2002	332	23	853	361.666	-362.175	D	7.546	7.5	0.046	3.1	75.49	24.1	0	0	0	0.42
2002	333	23	907	365.051	-359.809	D	7.501	7.5	0.001	3.1	86.81	12.85	0	0	0	0.35
2002	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	907	365.051	-359.809	D	7.609	7.593	0.016	3.3	72.58	26.25	0	0	0	1.17
2002	338	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	75.47	23.13	0	0	0	0.21
2002	339	23	1039	356.522	-357.599	D	7.679	7.593	0.086	3.3	67.28	31.71	0	0	0	1
2002	340	23	907	365.051	-359.809	D	7.593	7.593	0	3.3	75.39	24.09	0	0	0	0.56
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	964	363.678	-354.148	D	7.61	7.593	0.018	3.3	84.33	15.4	0	0	0	0.28
2002	343	23	811	357.434	-360.225	D	7.686	7.593	0.093	3.3	86.94	12.87	0	0	0	0.19
2002	344	23	1017	356.894	-355.206	D	7.62	7.593	0.027	3.3	90.94	8.94	0	0	0	0.13
2002	345	23	1017	356.894	-355.206	D	7.618	7.593	0.026	3.3	92.83	7.06	0	0	0	0.11
2002	346	23	747	364.871	-354.594	D	7.596	7.593	0.003	3.3	94.6	5.34	0	0	0	0.11
2002	347	23	1039	356.522	-357.599	D	7.614	7.593	0.021	3.3	83.73	15.88	0	0	0	0.4
2002	348	23	832	359.493	-362.061	D	7.767	7.593	0.174	3.3	86.03	13.61	0	0	0	0.37
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	949	365.722	-354.966	D	7.597	7.593	0.005	3.3	73.11	26.07	0	0	0	0.83
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	1017	356.894	-355.206	D	7.646	7.593	0.054	3.3	67.57	31.89	0	0	0	0.55
2002	357	23	1008	358.048	-354.775	D	7.593	7.593	0.001	3.3	70	29.38	0	0	0	0.46
2002	358	23	1017	356.894	-355.206	D	7.66	7.593	0.068	3.3	78.05	21.51	0	0	0	0.43
2002	359	23	930	366.19	-357.232	D	7.6	7.593	0.008	3.3	83.99	15.64	0	0	0	0.37
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.629	7.593	0.036	3.3	61.19	37.46	0	0	0	1.35
									0.817							
COLUMBIA									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2002	2	23	933	366.169	-356.524	D	7.562	7.546	0.016	3.2	45.56	54.46	0	0	0	0
2002	3	23	930	366.19	-357.232	D	7.559	7.546	0.012	3.2	50.39	49.62	0	0	0	0
2002	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	930	366.19	-357.232	D	7.623	7.546	0.077	3.2	76.91	23.09	0	0	0	0
2002	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	58.01	42.83	0	0	0	0
2002	17	23	931	366.183	-356.996	D	7.566	7.546	0.02	3.2	50.55	49.47	0	0	0	0
2002	18	23	930	366.19	-357.232	D	7.586	7.546	0.04	3.2	63.26	36.75	0	0	0	0
2002	19	23	1008	358.048	-354.775	D	7.575	7.546	0.029	3.2	75.46	24.55	0	0	0	0
2002	20	23	949	365.722	-354.966	D	7.633	7.546	0.087	3.2	73.79	26.21	0	0	0	0
2002	21	23	643	363.609	-354.151	D	7.546	7.546	0	3.2	83.44	16.15	0	0	0	0
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	26	23	710	364.843	-359.589	D	7.546	7.546	0	3.2	103.45	4.47	0	0	0	0
2002	27	23	731	365.047	-358.581	D	7.546	7.546	0	3.2	90.85	5.77	0	0	0	0
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	30	23	907	365.051	-359.809	D	7.782	7.546	0.236	3.2	71.03	28.97	0	0	0	0
2002	31	23	1017	356.894	-355.206	D	7.938	7.546	0.391	3.2	79.92	20.08	0	0	0	0
2002	32	23	949	365.722	-354.966	D	7.42	7.411	0.009	2.913	81.74	18.26	0	0	0	0
2002	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	35	23	947	365.801	-355.162	D	7.41	7.406	0.005	2.9	62.36	37.65	0	0	0	0
2002	36	23	1035	356.477	-356.792	D	7.42	7.406	0.015	2.9	61.8	38.22	0	0	0	0
2002	37	23	1017	356.894	-355.206	D	7.406	7.406	0	2.9	75.89	25.03	0	0	0	0
2002	38	23	933	366.169	-356.524	D	7.407	7.406	0.002	2.9	67.27	32.86	0	0	0	0
2002	39	23	775	365.747	-357.551	D	7.406	7.406	0	2.9	86.12	15.2	0	0	0	0
2002	40	23	930	366.19	-357.232	D	7.406	7.406	0	2.9	94.16	11.26	0	0	0	0
2002	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	44	23	927	365.912	-357.454	D	7.431	7.406	0.025	2.9	36.82	63.19	0	0	0	0
2002	45	23	644	364.12	-360.12	D	7.406	7.406	0	2.9	78.8	19.49	0	0	0	0
2002	46	23	748	365.295	-358.57	D	7.406	7.406	0	2.9	79.52	20.53	0	0	0	0
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	932	366.176	-356.761	D	7.407	7.406	0.002	2.9	84.08	15.97	0	0	0	0
2002	49	23	941	365.977	-355.774	D	7.412	7.406	0.006	2.9	71.16	28.85	0	0	0	0
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	53	23	933	366.169	-356.524	D	7.417	7.406	0.012	2.9	64.66	35.36	0	0	0	0
2002	54	23	930	366.19	-357.232	D	7.416	7.406	0.01	2.9	73.35	26.69	0	0	0	0
2002	55	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	81.47	18.68	0	0	0	0
2002	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	966	363.538	-354.124	D	7.324	7.311	0.013	2.7	66.87	33.14	0	0	0	0
2002	62	23	853	361.666	-362.175	D	7.311	7.311	0	2.7	77.05	14.78	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	74	23	930	366.19	-357.232	D	7.311	7.311	0	2.7	77.51	23.17	0	0	0	0
2002	75	23	78	358.239	-356.385	D	7.352	7.311	0.041	2.7	35.6	64.4	0	0	0	0
2002	76	23	1017	356.894	-355.206	D	7.319	7.311	0.008	2.7	87.44	12.58	0	0	0	0
2002	77	23	974	362.281	-354.249	D	7.319	7.311	0.008	2.7	86.21	13.8	0	0	0	0
2002	78	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	90.39	9.71	0	0	0	0
2002	79	23	1035	356.477	-356.792	D	7.426	7.311	0.115	2.7	76.63	23.37	0	0	0	0
2002	80	23	930	366.19	-357.232	D	7.338	7.311	0.027	2.7	79.77	20.23	0	0	0	0
2002	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	85	23	1039	356.522	-357.599	D	7.342	7.311	0.031	2.7	55.78	44.22	0	0	0	0
2002	86	23	907	365.051	-359.809	D	7.311	7.311	0.001	2.7	94.9	5.3	0	0	0	0
2002	87	23	930	366.19	-357.232	D	7.321	7.311	0.01	2.7	90.36	9.64	0	0	0	0
2002	88	23	853	361.666	-362.175	D	7.358	7.311	0.047	2.7	95.44	4.56	0	0	0	0
2002	89	23	930	366.19	-357.232	D	7.314	7.311	0.003	2.7	87.13	12.98	0	0	0	0
2002	90	23	967	363.478	-354.116	D	7.314	7.311	0.003	2.7	95.78	4.27	0	0	0	0
2002	91	23	822	358.021	-361.607	D	7.341	7.311	0.03	2.7	84.6	15.41	0	0	0	0
2002	92	23	476	361.894	-354.726	D	7.311	7.311	0	2.7	91.41	1	0	0	0	0
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	930	366.19	-357.232	D	7.315	7.311	0.005	2.7	76.63	23.38	0	0	0	0
2002	95	23	947	365.801	-355.162	D	7.342	7.311	0.032	2.7	85.18	14.83	0	0	0	0
2002	96	23	930	366.19	-357.232	D	7.353	7.311	0.043	2.7	94.81	5.19	0	0	0	0
2002	97	23	949	365.722	-354.966	D	7.319	7.311	0.009	2.7	96.69	3.31	0	0	0	0
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	933	366.169	-356.524	D	7.327	7.311	0.016	2.7	97.56	2.43	0	0	0	0
2002	100	23	1035	356.477	-356.792	D	7.332	7.311	0.022	2.7	97.08	2.92	0	0	0	0
2002	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	111	23	963	363.809	-354.192	D	7.311	7.311	0	2.7	94.26	6.03	0	0	0	0
2002	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	113	23	475	361.905	-354.975	D	7.311	7.311	0	2.7	129.43	0.93	0	0	0	0
2002	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	115	23	907	365.051	-359.809	D	7.32	7.311	0.009	2.7	92.95	7.07	0	0	0	0
2002	116	23	832	359.493	-362.061	D	7.325	7.311	0.015	2.7	89.56	10.45	0	0	0	0
2002	117	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	94	6.02	0	0	0	0
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	949	365.722	-354.966	D	7.311	7.311	0.001	2.7	98.1	2.19	0	0	0	0
2002	120	23	948	365.727	-355.056	D	7.311	7.311	0	2.7	99.18	1.11	0	0	0	0
2002	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	96.15	3.01	0	0	0	0
2002	122	23	930	366.19	-357.232	D	7.689	7.593	0.096	3.3	87.73	12.27	0	0	0	0
2002	123	23	853	361.666	-362.175	D	7.631	7.593	0.039	3.3	92.59	7.41	0	0	0	0
2002	124	23	822	358.021	-361.607	D	7.621	7.593	0.028	3.3	96.47	3.53	0	0	0	0
2002	125	23	1039	356.522	-357.599	D	7.613	7.593	0.02	3.3	98.12	1.88	0	0	0	0
2002	126	23	543	362.627	-354.444	D	7.593	7.593	0	3.3	99.82	0.12	0	0	0	0
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	130	23	907	365.051	-359.809	D	7.608	7.593	0.015	3.3	97.34	2.66	0	0	0	0
2002	131	23	967	363.478	-354.116	D	7.609	7.593	0.017	3.3	97.56	2.44	0	0	0	0
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	933	366.169	-356.524	D	7.64	7.593	0.047	3.3	60.07	39.93	0	0	0	0
2002	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	1017	356.894	-355.206	D	7.624	7.593	0.031	3.3	90.5	9.5	0	0	0	0
2002	138	23	947	365.801	-355.162	D	7.62	7.593	0.027	3.3	95.05	4.95	0	0	0	0
2002	139	23	907	365.051	-359.809	D	7.688	7.593	0.096	3.3	93.25	6.75	0	0	0	0
2002	140	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	97.68	2.32	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	141	23	949	365.722	-354.966	D	7.646	7.593	0.053	3.3	93.33	6.68	0	0	0	0
2002	142	23	930	366.19	-357.232	D	7.617	7.593	0.025	3.3	97.34	2.67	0	0	0	0
2002	143	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	98.9	0.9	0	0	0	0
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1017	356.894	-355.206	D	7.605	7.593	0.013	3.3	96.79	3.21	0	0	0	0
2002	157	23	1039	356.522	-357.599	D	7.692	7.593	0.099	3.3	84.35	15.65	0	0	0	0
2002	158	23	941	365.977	-355.774	D	7.64	7.593	0.047	3.3	98.81	1.19	0	0	0	0
2002	159	23	949	365.722	-354.966	D	7.656	7.593	0.063	3.3	99.31	0.69	0	0	0	0
2002	160	23	964	363.678	-354.148	D	7.597	7.593	0.005	3.3	99.83	0.15	0	0	0	0
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	165	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.83	0.65	0	0	0	0
2002	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	168	23	933	366.169	-356.524	D	7.613	7.593	0.02	3.3	96.32	3.69	0	0	0	0
2002	169	23	933	366.169	-356.524	D	7.613	7.593	0.02	3.3	99.67	0.34	0	0	0	0
2002	170	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.83	0.18	0	0	0	0
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	180	23	933	366.169	-356.524	D	7.593	7.593	0	3.3	99.9	0.21	0	0	0	0
2002	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	186	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.83	0.1	0	0	0	0
2002	187	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.88	0.11	0	0	0	0
2002	188	23	1008	358.048	-354.775	D	7.606	7.593	0.013	3.3	99.83	0.18	0	0	0	0
2002	189	23	966	363.538	-354.124	D	7.597	7.593	0.004	3.3	99.94	0.07	0	0	0	0
2002	190	23	785	365.637	-355.06	D	7.594	7.593	0.001	3.3	99.92	0.06	0	0	0	0
2002	191	23	272	359.942	-355.56	D	7.593	7.593	0	3.3	94.24	0.07	0	0	0	0
2002	192	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	97.02	2.99	0	0	0	0
2002	193	23	966	363.538	-354.124	D	7.603	7.593	0.01	3.3	99	1.01	0	0	0	0
2002	194	23	1017	356.894	-355.206	D	7.601	7.593	0.008	3.3	97.19	2.83	0	0	0	0
2002	195	23	821	358.053	-361.416	D	7.593	7.593	0.001	3.3	99.54	0.59	0	0	0	0
2002	196	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	974	362.281	-354.249	D	7.619	7.593	0.027	3.3	99.56	0.44	0	0	0	0
2002	205	23	1035	356.477	-356.792	D	7.74	7.593	0.148	3.3	99.35	0.65	0	0	0	0
2002	206	23	822	358.021	-361.607	D	7.613	7.593	0.02	3.3	99.77	0.24	0	0	0	0
2002	207	23	930	366.19	-357.232	D	7.609	7.593	0.017	3.3	99.72	0.29	0	0	0	0
2002	208	23	941	365.977	-355.774	D	7.593	7.593	0.001	3.3	100.01	0.06	0	0	0	0
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1008	358.048	-354.775	D	7.594	7.593	0.001	3.3	99.72	0.26	0	0	0	0
2002	215	23	974	362.281	-354.249	D	7.593	7.593	0	3.3	99.51	0.56	0	0	0	0
2002	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	218	23	930	366.19	-357.232	D	7.649	7.593	0.056	3.3	99.65	0.35	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	219	23	853	361.666	-362.175	D	7.655	7.593	0.062	3.3	98.2	1.8	0	0	0	0
2002	220	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	98.24	0.09	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	98.74	1.49	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	946	365.798	-355.322	D	7.593	7.593	0	3.3	93.69	0.06	0	0	0	0
2002	237	23	933	366.169	-356.524	D	7.649	7.593	0.057	3.3	93.36	6.64	0	0	0	0
2002	238	23	1017	356.894	-355.206	D	7.686	7.593	0.093	3.3	97.66	2.34	0	0	0	0
2002	239	23	1017	356.894	-355.206	D	7.632	7.593	0.039	3.3	98.3	1.71	0	0	0	0
2002	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	964	363.678	-354.148	D	7.643	7.639	0.005	3.4	99.88	0.11	0	0	0	0
2002	248	23	949	365.722	-354.966	D	7.662	7.639	0.023	3.4	99.63	0.37	0	0	0	0
2002	249	23	1017	356.894	-355.206	D	7.644	7.639	0.005	3.4	99.94	0.09	0	0	0	0
2002	250	23	1016	357.1	-355.198	D	7.639	7.639	0	3.4	100.05	0.05	0	0	0	0
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	78	358.239	-356.385	D	7.73	7.639	0.091	3.4	76.35	23.65	0	0	0	0
2002	255	23	822	358.021	-361.607	D	7.659	7.639	0.02	3.4	98.3	1.7	0	0	0	0
2002	256	23	811	357.434	-360.225	D	7.644	7.639	0.005	3.4	99.76	0.24	0	0	0	0
2002	257	23	1017	356.894	-355.206	D	7.644	7.639	0.005	3.4	99.66	0.34	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	258	23	949	365.722	-354.966	D	7.644	7.639	0.006	3.4	99.43	0.57	0	0	0	0
2002	259	23	933	366.169	-356.524	D	7.766	7.639	0.128	3.4	97.51	2.49	0	0	0	0
2002	260	23	949	365.722	-354.966	D	7.738	7.639	0.099	3.4	98.35	1.65	0	0	0	0
2002	261	23	949	365.722	-354.966	D	7.644	7.639	0.005	3.4	95.68	4.35	0	0	0	0
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	927	365.912	-357.454	D	7.7	7.639	0.061	3.4	82.8	17.2	0	0	0	0
2002	266	23	907	365.051	-359.809	D	7.658	7.639	0.019	3.4	95.76	4.24	0	0	0	0
2002	267	23	932	366.176	-356.761	D	7.688	7.639	0.049	3.4	97.8	2.2	0	0	0	0
2002	268	23	1017	356.894	-355.206	D	7.665	7.639	0.026	3.4	98.27	1.73	0	0	0	0
2002	269	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	99.56	0.48	0	0	0	0
2002	270	23	822	358.021	-361.607	D	7.665	7.639	0.026	3.4	96.94	3.07	0	0	0	0
2002	271	23	933	366.169	-356.524	D	7.7	7.639	0.061	3.4	98.83	1.17	0	0	0	0
2002	272	23	955	364.92	-354.582	D	7.665	7.639	0.026	3.4	98.77	1.23	0	0	0	0
2002	273	23	643	363.609	-354.151	D	7.64	7.639	0.001	3.4	99.87	0.12	0	0	0	0
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	278	23	930	366.19	-357.232	D	7.511	7.5	0.011	3.1	98.05	1.96	0	0	0	0
2002	279	23	822	358.021	-361.607	D	7.508	7.5	0.009	3.1	96.96	3.06	0	0	0	0
2002	280	23	930	366.19	-357.232	D	7.522	7.5	0.022	3.1	94.62	5.38	0	0	0	0
2002	281	23	1035	356.477	-356.792	D	7.506	7.5	0.006	3.1	95.55	4.47	0	0	0	0
2002	282	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	98.52	1.61	0	0	0	0
2002	283	23	61	357.936	-355.15	D	7.5	7.5	0	3.1	98.7	1.09	0	0	0	0
2002	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	286	23	1017	356.894	-355.206	D	7.52	7.5	0.021	3.1	82.01	17.99	0	0	0	0
2002	287	23	1017	356.894	-355.206	D	7.51	7.5	0.011	3.1	83.27	16.74	0	0	0	0
2002	288	23	1017	356.894	-355.206	D	7.516	7.5	0.016	3.1	88.76	11.25	0	0	0	0
2002	289	23	78	358.239	-356.385	D	7.582	7.5	0.083	3.1	48.77	51.23	0	0	0	0
2002	290	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	93.01	9.48	0	0	0	0
2002	291	23	689	364.595	-359.6	D	7.5	7.5	0	3.1	83.99	1.9	0	0	0	0
2002	292	23	949	365.722	-354.966	D	7.521	7.5	0.022	3.1	75.85	24.15	0	0	0	0
2002	293	23	854	361.771	-362.091	D	7.624	7.5	0.124	3.1	72.54	27.46	0	0	0	0
2002	294	23	1035	356.477	-356.792	D	7.519	7.5	0.019	3.1	92.45	7.56	0	0	0	0
2002	295	23	1017	356.894	-355.206	D	7.516	7.5	0.016	3.1	94.41	5.6	0	0	0	0
2002	296	23	967	363.478	-354.116	D	7.549	7.5	0.05	3.1	92.03	7.97	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	297	23	822	358.021	-361.607	D	7.525	7.5	0.026	3.1	95.62	4.38	0	0	0	0
2002	298	23	1017	356.894	-355.206	D	7.531	7.5	0.031	3.1	87.43	12.58	0	0	0	0
2002	299	23	949	365.722	-354.966	D	7.628	7.5	0.128	3.1	87.95	12.05	0	0	0	0
2002	300	23	930	366.19	-357.232	D	7.682	7.5	0.182	3.1	81.99	18.01	0	0	0	0
2002	301	23	1017	356.894	-355.206	D	7.559	7.5	0.06	3.1	87.67	12.33	0	0	0	0
2002	302	23	1035	356.477	-356.792	D	7.621	7.5	0.121	3.1	80.67	19.33	0	0	0	0
2002	303	23	822	358.021	-361.607	D	7.583	7.5	0.083	3.1	86.27	13.73	0	0	0	0
2002	304	23	822	358.021	-361.607	D	7.636	7.5	0.137	3.1	79.04	20.96	0	0	0	0
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	307	23	930	366.19	-357.232	D	7.503	7.5	0.004	3.1	78.74	21.32	0	0	0	0
2002	308	23	789	365.918	-355.796	D	7.5	7.5	0	3.1	85.1	14.91	0	0	0	0
2002	309	23	933	366.169	-356.524	D	7.501	7.5	0.001	3.1	89.02	11.07	0	0	0	0
2002	310	23	949	365.722	-354.966	D	7.513	7.5	0.014	3.1	77.73	22.28	0	0	0	0
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	316	23	927	365.912	-357.454	D	7.577	7.5	0.078	3.1	35.75	64.26	0	0	0	0
2002	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	930	366.19	-357.232	D	7.506	7.5	0.006	3.1	37.97	62.03	0	0	0	0
2002	320	23	927	365.912	-357.454	D	7.679	7.5	0.179	3.1	39.1	60.9	0	0	0	0
2002	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	328	23	1008	358.048	-354.775	D	7.5	7.5	0.001	3.1	77.24	22.82	0	0	0	0
2002	329	23	930	366.19	-357.232	D	7.594	7.5	0.094	3.1	58.62	41.39	0	0	0	0
2002	330	23	1017	356.894	-355.206	D	7.562	7.5	0.063	3.1	69.58	30.42	0	0	0	0
2002	331	23	927	365.912	-357.454	D	7.559	7.5	0.059	3.1	46.27	53.73	0	0	0	0
2002	332	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	60.95	39.32	0	0	0	0
2002	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	78	358.239	-356.385	D	7.599	7.593	0.006	3.3	48.88	51.14	0	0	0	0
2002	338	23	191	359.732	-362.061	D	7.593	7.593	0	3.3	64.12	35.5	0	0	0	0
2002	339	23	927	365.912	-357.454	D	7.657	7.593	0.064	3.3	30.52	69.48	0	0	0	0
2002	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	961	364.092	-354.289	D	7.601	7.593	0.008	3.3	73.21	26.79	0	0	0	0
2002	343	23	1039	356.522	-357.599	D	7.667	7.593	0.075	3.3	73.35	26.65	0	0	0	0
2002	344	23	1017	356.894	-355.206	D	7.609	7.593	0.016	3.3	79.84	20.16	0	0	0	0
2002	345	23	1017	356.894	-355.206	D	7.608	7.593	0.015	3.3	83.63	16.36	0	0	0	0
2002	346	23	747	364.871	-354.594	D	7.595	7.593	0.002	3.3	87.99	11.99	0	0	0	0
2002	347	23	1039	356.522	-357.599	D	7.643	7.593	0.05	3.3	76.23	23.77	0	0	0	0
2002	348	23	832	359.493	-362.061	D	7.626	7.593	0.033	3.3	73.78	26.22	0	0	0	0
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	356	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	51.57	48.42	0	0	0	0
2002	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	358	23	1017	356.894	-355.206	D	7.648	7.593	0.056	3.3	66.58	33.42	0	0	0	0
2002	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	1017	356.894	-355.206	D	7.62	7.593	0.028	3.3	39.59	60.4	0	0	0	0
									0.391							
HOLCIM									**DELTA**		**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2002	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2002	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	18	23	907	365.051	-359.809	D	7.58	7.546	0.034	3.2	61.84	37.97	0	0	0	0.19
2002	19	23	963	363.809	-354.192	D	7.876	7.546	0.329	3.2	61.57	38.3	0	0	0	0.14
2002	20	23	930	366.19	-357.232	D	7.825	7.546	0.279	3.2	68.39	31.52	0	0	0	0.09
2002	21	23	949	365.722	-354.966	D	7.547	7.546	0.001	3.2	72.1	27.86	0	0	0	0.06
2002	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	27	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2002	30	23	967	363.478	-354.116	D	7.846	7.546	0.3	3.2	58.05	41.78	0	0	0	0.17
2002	31	23	1017	356.894	-355.206	D	8.609	7.546	**1.063**	3.2	61.99	37.89	0	0	0	0.12
2002	32	23	949	365.722	-354.966	D	7.422	7.411	0.01	2.913	71.74	28.21	0	0	0	0.06
2002	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	36	23	933	366.169	-356.524	D	7.486	7.406	0.08	2.9	46.94	52.85	0	0	0	0.22
2002	37	23	1017	356.894	-355.206	D	7.411	7.406	0.005	2.9	57.64	42.23	0	0	0	0.16
2002	38	23	949	365.722	-354.966	D	7.411	7.406	0.005	2.9	70.13	29.82	0	0	0	0.12
2002	39	23	907	365.051	-359.809	D	7.409	7.406	0.003	2.9	76.49	23.53	0	0	0	0.09
2002	40	23	789	365.918	-355.796	D	7.406	7.406	0.001	2.9	81.64	18.45	0	0	0	0.07
2002	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	49	23	930	366.19	-357.232	D	7.406	7.406	0.001	2.9	47.66	52.31	0	0	0	0.28
2002	50	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	51	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	52	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	53	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	55	23	930	366.19	-357.232	D	7.408	7.406	0.002	2.9	70.67	29.14	0	0	0	0.23
2002	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2002	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2002	61	23	949	365.722	-354.966	D	7.351	7.311	0.041	2.7	54.33	45.53	0	0	0	0.14
2002	62	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	74	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	75	23	845	360.851	-362.181	D	7.42	7.311	0.109	2.7	53.07	46.49	0	0	0	0.44
2002	76	23	1039	356.522	-357.599	D	7.363	7.311	0.053	2.7	55	44.81	0	0	0	0.19
2002	77	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	83.98	15.94	0	0	0	0.14
2002	78	23	964	363.678	-354.148	D	7.552	7.311	0.241	2.7	72.34	27.52	0	0	0	0.13
2002	79	23	949	365.722	-354.966	D	8.447	7.311	**1.136**	2.7	71.88	27.99	0	0	0	0.13
2002	80	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	84	23	1017	356.894	-355.206	D	7.336	7.311	0.025	2.7	72.05	27.77	0	0	0	0.19
2002	85	23	974	362.281	-354.249	D	8.056	7.311	**0.746**	2.7	66.51	33.26	0	0	0	0.23
2002	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	87	23	930	366.19	-357.232	D	7.313	7.311	0.002	2.7	79	20.82	0	0	0	0.18
2002	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	89	23	853	361.666	-362.175	D	7.372	7.311	0.061	2.7	84.43	15.22	0	0	0	0.35
2002	90	23	1017	356.894	-355.206	D	7.327	7.311	0.016	2.7	88.4	11.27	0	0	0	0.35
2002	91	23	930	366.19	-357.232	D	7.333	7.311	0.023	2.7	81.19	18.29	0	0	0	0.52
2002	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	94	23	964	363.678	-354.148	D	7.322	7.311	0.012	2.7	66.89	32.78	0	0	0	0.36
2002	95	23	974	362.281	-354.249	D	7.747	7.311	0.436	2.7	67.82	31.93	0	0	0	0.26
2002	96	23	949	365.722	-354.966	D	7.534	7.311	0.223	2.7	86.26	13.55	0	0	0	0.19
2002	97	23	967	363.478	-354.116	D	7.319	7.311	0.009	2.7	93.73	6.1	0	0	0	0.16
2002	98	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	100	23	933	366.169	-356.524	D	7.415	7.311	0.104	2.7	80.3	19.5	0	0	0	0.2
2002	101	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	98.83	0.79	0	0	0	0.18
2002	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	113	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	115	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	116	23	822	358.021	-361.607	D	7.324	7.311	0.013	2.7	78.16	21.65	0	0	0	0.2
2002	117	23	949	365.722	-354.966	D	7.323	7.311	0.012	2.7	87.69	12.15	0	0	0	0.15
2002	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2002	121	23	62	357.925	-354.901	D	7.581	7.581	0	3.275	88.73	10.6	0	0	0	0.12

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	122	23	949	365.722	-354.966	D	7.668	7.593	0.075	3.3	86.88	13.03	0	0	0	0.08
2002	123	23	822	358.021	-361.607	D	7.72	7.593	0.127	3.3	82.97	16.78	0	0	0	0.25
2002	124	23	1039	356.522	-357.599	D	7.703	7.593	0.11	3.3	90.38	9.52	0	0	0	0.1
2002	125	23	1035	356.477	-356.792	D	7.657	7.593	0.065	3.3	94.61	5.31	0	0	0	0.08
2002	126	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.89	0.09	0	0	0	0.05
2002	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	128	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	130	23	963	363.809	-354.192	D	7.605	7.593	0.012	3.3	88.09	11.41	0	0	0	0.49
2002	131	23	955	364.92	-354.582	D	7.593	7.593	0.001	3.3	93.42	6.17	0	0	0	0.27
2002	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	137	23	1017	356.894	-355.206	D	8.119	7.593	**0.526**	3.3	70.58	29.31	0	0	0	0.11
2002	138	23	907	365.051	-359.809	D	8.1	7.593	**0.507**	3.3	60.73	39.08	0	0	0	0.19
2002	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	140	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	141	23	931	366.183	-356.996	D	7.596	7.593	0.003	3.3	91.17	8.63	0	0	0	0.22
2002	142	23	930	366.19	-357.232	D	7.659	7.593	0.066	3.3	95.76	4.09	0	0	0	0.15
2002	143	23	947	365.801	-355.162	D	7.607	7.593	0.014	3.3	98.05	1.85	0	0	0	0.09
2002	144	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	145	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	158	23	930	366.19	-357.232	D	7.602	7.593	0.01	3.3	99.37	0.44	0	0	0	0.21
2002	159	23	907	365.051	-359.809	D	7.759	7.593	0.166	3.3	98.63	1.24	0	0	0	0.13
2002	160	23	1008	358.048	-354.775	D	7.643	7.593	0.05	3.3	99.41	0.48	0	0	0	0.11

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	168	23	933	366.169	-356.524	D	7.599	7.593	0.006	3.3	99.59	0.25	0	0	0	0.16
2002	169	23	947	365.801	-355.162	D	7.629	7.593	0.036	3.3	99.33	0.55	0	0	0	0.13
2002	170	23	949	365.722	-354.966	D	7.601	7.593	0.009	3.3	99.39	0.51	0	0	0	0.11
2002	171	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	179	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	180	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	184	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	185	23	949	365.722	-354.966	D	7.6	7.593	0.007	3.3	99.44	0.46	0	0	0	0.11
2002	186	23	955	364.92	-354.582	D	7.614	7.593	0.021	3.3	99.68	0.24	0	0	0	0.09
2002	187	23	933	366.169	-356.524	D	7.732	7.593	0.139	3.3	99.56	0.34	0	0	0	0.1
2002	188	23	1039	356.522	-357.599	D	7.69	7.593	0.098	3.3	99.58	0.33	0	0	0	0.09
2002	189	23	963	363.809	-354.192	D	7.594	7.593	0.001	3.3	99.63	0.19	0	0	0	0.08
2002	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	192	23	949	365.722	-354.966	D	7.617	7.593	0.024	3.3	92.68	7.19	0	0	0	0.14
2002	193	23	964	363.678	-354.148	D	7.65	7.593	0.057	3.3	97.38	2.51	0	0	0	0.11
2002	194	23	1017	356.894	-355.206	D	7.623	7.593	0.03	3.3	91.65	8.27	0	0	0	0.09
2002	195	23	1017	356.894	-355.206	D	7.611	7.593	0.019	3.3	99.36	0.38	0	0	0	0.25
2002	196	23	1017	356.894	-355.206	D	7.662	7.593	0.069	3.3	98.77	1.02	0	0	0	0.21
2002	197	23	1017	356.894	-355.206	D	7.597	7.593	0.004	3.3	99.44	0.42	0	0	0	0.16
2002	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	199	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	205	23	949	365.722	-354.966	D	7.704	7.593	0.112	3.3	97.96	1.86	0	0	0	0.19
2002	206	23	1010	357.824	-354.865	D	7.718	7.593	0.125	3.3	99.26	0.61	0	0	0	0.13
2002	207	23	930	366.19	-357.232	D	7.625	7.593	0.032	3.3	99.24	0.66	0	0	0	0.1
2002	208	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.83	0.08	0	0	0	0.09
2002	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	210	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	211	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	212	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	213	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	214	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	218	23	930	366.19	-357.232	D	7.667	7.593	0.075	3.3	98.4	1.45	0	0	0	0.16
2002	219	23	853	361.666	-362.175	D	7.784	7.593	0.191	3.3	95.1	4.8	0	0	0	0.1
2002	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	231	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	232	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	233	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	234	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	235	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	236	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	237	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	238	23	930	366.19	-357.232	D	7.645	7.593	0.052	3.3	94.56	5.17	0	0	0	0.27

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	239	23	949	365.722	-354.966	D	8.365	7.593	**0.772**	3.3	97.86	1.94	0	0	0	0.2
2002	240	23	1035	356.477	-356.792	D	7.742	7.593	0.149	3.3	99.37	0.47	0	0	0	0.16
2002	241	23	1035	356.477	-356.792	D	7.594	7.593	0.001	3.3	95.64	4.14	0	0	0	0.24
2002	242	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2002	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	247	23	949	365.722	-354.966	D	7.639	7.639	0.001	3.4	99.38	0.35	0	0	0	0.27
2002	248	23	930	366.19	-357.232	D	7.831	7.639	0.192	3.4	98.99	0.83	0	0	0	0.18
2002	249	23	1039	356.522	-357.599	D	7.713	7.639	0.074	3.4	99.39	0.47	0	0	0	0.14
2002	250	23	1016	357.1	-355.198	D	7.639	7.639	0.001	3.4	99.71	0.1	0	0	0	0.12
2002	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	254	23	947	365.801	-355.162	D	7.642	7.639	0.003	3.4	98.6	1.01	0	0	0	0.38
2002	255	23	1039	356.522	-357.599	D	7.819	7.639	0.181	3.4	91	8.75	0	0	0	0.26
2002	256	23	1039	356.522	-357.599	D	7.677	7.639	0.038	3.4	99.09	0.75	0	0	0	0.16
2002	257	23	1017	356.894	-355.206	D	7.661	7.639	0.022	3.4	99.16	0.73	0	0	0	0.12
2002	258	23	947	365.801	-355.162	D	7.64	7.639	0.001	3.4	98.81	1.09	0	0	0	0.11
2002	259	23	933	366.169	-356.524	D	7.678	7.639	0.039	3.4	99.41	0.43	0	0	0	0.16
2002	260	23	941	365.977	-355.774	D	7.715	7.639	0.076	3.4	96.49	3.39	0	0	0	0.12
2002	261	23	949	365.722	-354.966	D	7.641	7.639	0.002	3.4	91.31	8.61	0	0	0	0.09
2002	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	265	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2002	266	23	907	365.051	-359.809	D	7.639	7.639	0	3.4	96.45	2.3	0	0	0	0.37
2002	267	23	949	365.722	-354.966	D	7.719	7.639	0.08	3.4	96.12	3.51	0	0	0	0.37
2002	268	23	967	363.478	-354.116	D	7.762	7.639	0.124	3.4	94.7	5.07	0	0	0	0.23
2002	269	23	1017	356.894	-355.206	D	7.653	7.639	0.014	3.4	98.28	1.58	0	0	0	0.15
2002	270	23	1008	358.048	-354.775	D	8.021	7.639	0.382	3.4	97.31	2.42	0	0	0	0.27
2002	271	23	949	365.722	-354.966	D	8.508	7.639	**0.869**	3.4	97.59	2.23	0	0	0	0.18
2002	272	23	933	366.169	-356.524	D	8.048	7.639	0.409	3.4	96.59	3.28	0	0	0	0.14
2002	273	23	955	364.92	-354.582	D	7.644	7.639	0.005	3.4	99.63	0.28	0	0	0	0.09
2002	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2002	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	276	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	279	23	932	366.176	-356.761	D	7.516	7.5	0.017	3.1	93.52	6.2	0	0	0	0.28
2002	280	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	281	23	933	366.169	-356.524	D	7.614	7.5	0.115	3.1	85.16	14.57	0	0	0	0.28
2002	282	23	1017	356.894	-355.206	D	7.513	7.5	0.014	3.1	94.97	4.83	0	0	0	0.22
2002	283	23	1008	358.048	-354.775	D	7.5	7.5	0.001	3.1	96.06	3.9	0	0	0	0.17
2002	284	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	97.86	0.81	0	0	0	0.15
2002	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	286	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	287	23	1017	356.894	-355.206	D	7.66	7.5	0.161	3.1	56.4	43.29	0	0	0	0.31
2002	288	23	822	358.021	-361.607	D	7.559	7.5	0.06	3.1	79.96	19.84	0	0	0	0.21
2002	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	291	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	293	23	930	366.19	-357.232	D	7.671	7.5	0.171	3.1	63.65	36.03	0	0	0	0.32
2002	294	23	1039	356.522	-357.599	D	7.784	7.5	0.285	3.1	80.63	19.18	0	0	0	0.2
2002	295	23	1039	356.522	-357.599	D	7.765	7.5	0.265	3.1	90.19	9.67	0	0	0	0.15
2002	296	23	949	365.722	-354.966	D	8.078	7.5	**0.578**	3.1	81.2	18.61	0	0	0	0.19
2002	297	23	822	358.021	-361.607	D	7.683	7.5	0.183	3.1	92.88	6.98	0	0	0	0.14
2002	298	23	1008	358.048	-354.775	D	7.501	7.5	0.001	3.1	75.27	24.56	0	0	0	0.13
2002	299	23	949	365.722	-354.966	D	7.532	7.5	0.032	3.1	79.51	20.38	0	0	0	0.12
2002	300	23	853	361.666	-362.175	D	8.792	7.5	**1.293**	3.1	78.88	20.98	0	0	0	0.14
2002	301	23	1017	356.894	-355.206	D	8.383	7.5	**0.884**	3.1	74.68	25.22	0	0	0	0.1
2002	302	23	1008	358.048	-354.775	D	8.62	7.5	**1.12**	3.1	62	37.79	0	0	0	0.21
2002	303	23	1035	356.477	-356.792	D	10.03	7.5	**2.53**	3.1	68.17	31.65	0	0	0	0.17
2002	304	23	853	361.666	-362.175	D	8.62	7.5	**1.12**	3.1	60.75	39.09	0	0	0	0.16
2002	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	308	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	309	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	310	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	328	23	974	362.281	-354.249	D	7.504	7.5	0.005	3.1	56.27	43.6	0	0	0	0.15
2002	329	23	931	366.183	-356.996	D	7.932	7.5	0.433	3.1	52.91	46.97	0	0	0	0.12
2002	330	23	947	365.801	-355.162	D	7.811	7.5	0.312	3.1	56	43.8	0	0	0	0.2
2002	331	23	853	361.666	-362.175	D	7.721	7.5	0.222	3.1	42.06	57.76	0	0	0	0.19
2002	332	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2002	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2002	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	337	23	78	358.239	-356.385	D	7.705	7.593	0.112	3.3	25.23	74.22	0	0	0	0.56
2002	338	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	51.57	48.41	0	0	0	0.08
2002	339	23	78	358.239	-356.385	D	7.961	7.593	0.368	3.3	24.62	74.96	0	0	0	0.42
2002	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	342	23	963	363.809	-354.192	D	7.602	7.593	0.009	3.3	63.06	36.81	0	0	0	0.13
2002	343	23	822	358.021	-361.607	D	8.025	7.593	0.432	3.3	61.95	37.94	0	0	0	0.11
2002	344	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	346	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	347	23	955	364.92	-354.582	D	8.168	7.593	**0.576**	3.3	53.44	46.34	0	0	0	0.22
2002	348	23	907	365.051	-359.809	D	7.881	7.593	0.288	3.3	51.42	48.42	0	0	0	0.16
2002	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2002 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2002	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	358	23	1017	356.894	-355.206	D	7.991	7.593	0.399	3.3	32.64	67.11	0	0	0	0.25
2002	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2002	365	23	930	366.19	-357.232	D	7.707	7.593	0.115	3.3	61.87	37.85	0	0	0	0.29
									2.53							

Appendix M
Hercules Glade
2003 M6

EGU											% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	1	23	907	365.051	-359.809	D	7.568	7.548	0.019	3.204	0	0	0	0	0	100
2003	2	23	1039	356.522	-357.599	D	7.591	7.546	0.045	3.2	0	0	0	0	0	100.01
2003	3	23	927	365.912	-357.454	D	7.731	7.546	0.184	3.2	0	0	0	0	0	100
2003	4	23	949	365.722	-354.966	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.06
2003	5	23	927	365.912	-357.454	D	7.685	7.546	0.139	3.2	0	0	0	0	0	100
2003	6	23	731	365.047	-358.581	D	7.59	7.546	0.044	3.2	0	0	0	0	0	100
2003	7	23	78	358.239	-356.385	D	7.579	7.546	0.032	3.2	0	0	0	0	0	100
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	861	361.895	-361.506	D	7.557	7.546	0.01	3.2	0	0	0	0	0	100.01
2003	10	23	764	365.499	-357.562	D	7.673	7.546	0.127	3.2	0	0	0	0	0	100
2003	11	23	78	358.239	-356.385	D	7.586	7.546	0.039	3.2	0	0	0	0	0	100
2003	12	23	822	358.021	-361.607	D	7.564	7.546	0.018	3.2	0	0	0	0	0	100.01
2003	13	23	941	365.977	-355.774	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100
2003	14	23	764	365.499	-357.562	D	7.563	7.546	0.017	3.2	0	0	0	0	0	100
2003	15	23	822	358.021	-361.607	D	7.546	7.546	0	3.2	0	0	0	0	0	104.55
2003	16	23	78	358.239	-356.385	D	7.581	7.546	0.035	3.2	0	0	0	0	0	100
2003	17	23	927	365.912	-357.454	D	7.7	7.546	0.153	3.2	0	0	0	0	0	100
2003	18	23	949	365.722	-354.966	D	7.568	7.546	0.022	3.2	0	0	0	0	0	100.01
2003	19	23	861	361.895	-361.506	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.03
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	1017	356.894	-355.206	D	7.566	7.546	0.019	3.2	0	0	0	0	0	100.01
2003	22	23	907	365.051	-359.809	D	7.572	7.546	0.026	3.2	0	0	0	0	0	100
2003	23	23	822	358.021	-361.607	D	7.548	7.546	0.002	3.2	0	0	0	0	0	100.06
2003	24	23	1039	356.522	-357.599	D	7.55	7.546	0.004	3.2	0	0	0	0	0	100.04
2003	25	23	947	365.801	-355.162	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.06
2003	26	23	102	358.487	-356.374	D	7.558	7.546	0.011	3.2	0	0	0	0	0	100
2003	27	23	191	359.732	-362.061	D	7.552	7.546	0.006	3.2	0	0	0	0	0	100.03
2003	28	23	271	359.953	-355.81	D	7.546	7.546	0	3.2	0	0	0	0	0	73.08
2003	29	23	78	358.239	-356.385	D	7.565	7.546	0.019	3.2	0	0	0	0	0	100
2003	30	23	907	365.051	-359.809	D	7.56	7.546	0.014	3.2	0	0	0	0	0	100.01
2003	31	23	62	357.925	-354.901	D	7.547	7.546	0.001	3.2	0	0	0	0	0	100.09
2003	32	23	927	365.912	-357.454	D	7.488	7.411	0.077	2.913	0	0	0	0	0	100
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	966	363.538	-354.124	D	7.406	7.406	0	2.9	0	0	0	0	0	101.12
2003	35	23	773	365.4	-355.32	D	7.465	7.406	0.06	2.9	0	0	0	0	0	100
2003	36	23	78	358.239	-356.385	D	7.42	7.406	0.015	2.9	0	0	0	0	0	100.03
2003	37	23	932	366.176	-356.761	D	7.412	7.406	0.007	2.9	0	0	0	0	0	100.03
2003	38	23	1039	356.522	-357.599	D	7.433	7.406	0.028	2.9	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	39	23	747	364.871	-354.594	D	7.406	7.406	0	2.9	0	0	0	0	0	99.89
2003	40	23	927	365.912	-357.454	D	7.406	7.406	0	2.9	0	0	0	0	0	104.92
2003	41	23	955	364.92	-354.582	D	7.406	7.406	0.001	2.9	0	0	0	0	0	100.24
2003	42	23	949	365.722	-354.966	D	7.419	7.406	0.014	2.9	0	0	0	0	0	100.01
2003	43	23	78	358.239	-356.385	D	7.427	7.406	0.022	2.9	0	0	0	0	0	100.01
2003	44	23	974	362.281	-354.249	D	7.414	7.406	0.008	2.9	0	0	0	0	0	100.03
2003	45	23	543	362.627	-354.444	D	7.406	7.406	0	2.9	0	0	0	0	0	100.18
2003	46	23	563	362.941	-355.928	D	7.446	7.406	0.04	2.9	0	0	0	0	0	100
2003	47	23	927	365.912	-357.454	D	7.425	7.406	0.02	2.9	0	0	0	0	0	100.01
2003	48	23	967	363.478	-354.116	D	7.46	7.406	0.055	2.9	0	0	0	0	0	100
2003	49	23	949	365.722	-354.966	D	7.413	7.406	0.007	2.9	0	0	0	0	0	100.03
2003	50	23	949	365.722	-354.966	D	7.406	7.406	0	2.9	0	0	0	0	0	100.51
2003	51	23	907	365.051	-359.809	D	7.42	7.406	0.014	2.9	0	0	0	0	0	100.02
2003	52	23	822	358.021	-361.607	D	7.41	7.406	0.005	2.9	0	0	0	0	0	100.06
2003	53	23	102	358.487	-356.374	D	7.45	7.406	0.044	2.9	0	0	0	0	0	100.01
2003	54	23	824	358.459	-361.601	D	7.439	7.406	0.033	2.9	0	0	0	0	0	100
2003	55	23	822	358.021	-361.607	D	7.462	7.406	0.057	2.9	0	0	0	0	0	100
2003	56	23	861	361.895	-361.506	D	7.417	7.406	0.012	2.9	0	0	0	0	0	100.02
2003	57	23	1039	356.522	-357.599	D	7.416	7.406	0.011	2.9	0	0	0	0	0	100.02
2003	58	23	1017	356.894	-355.206	D	7.409	7.406	0.004	2.9	0	0	0	0	0	100.08
2003	59	23	955	364.92	-354.582	D	7.469	7.406	0.064	2.9	0	0	0	0	0	100.01
2003	60	23	1008	358.048	-354.775	D	7.339	7.315	0.024	2.708	0	0	0	0	0	100.01
2003	61	23	714	364.799	-358.592	D	7.508	7.311	0.198	2.7	0	0	0	0	0	100
2003	62	23	822	358.021	-361.607	D	7.329	7.311	0.019	2.7	0	0	0	0	0	100.01
2003	63	23	789	365.918	-355.796	D	7.311	7.311	0	2.7	0	0	0	0	0	99.74
2003	64	23	822	358.021	-361.607	D	7.328	7.311	0.017	2.7	0	0	0	0	0	100.01
2003	65	23	869	361.064	-360.714	D	7.396	7.311	0.085	2.7	0	0	0	0	0	100
2003	66	23	906	364.982	-359.812	D	7.313	7.311	0.002	2.7	0	0	0	0	0	100.09
2003	67	23	966	363.538	-354.124	D	7.311	7.311	0	2.7	0	0	0	0	0	99.85
2003	68	23	1039	356.522	-357.599	D	7.317	7.311	0.006	2.7	0	0	0	0	0	100.01
2003	69	23	907	365.051	-359.809	D	7.321	7.311	0.01	2.7	0	0	0	0	0	100.01
2003	70	23	930	366.19	-357.232	D	7.325	7.311	0.015	2.7	0	0	0	0	0	100.01
2003	71	23	947	365.801	-355.162	D	7.312	7.311	0.001	2.7	0	0	0	0	0	99.93
2003	72	23	1039	356.522	-357.599	D	7.338	7.311	0.028	2.7	0	0	0	0	0	100.01
2003	73	23	78	358.239	-356.385	D	7.326	7.311	0.016	2.7	0	0	0	0	0	100.01
2003	74	23	1017	356.894	-355.206	D	7.314	7.311	0.004	2.7	0	0	0	0	0	100.05
2003	75	23	1016	357.1	-355.198	D	7.311	7.311	0	2.7	0	0	0	0	0	100.23
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	947	365.801	-355.162	D	7.311	7.311	0	2.7	0	0	0	0	0	100.34

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	78	23	747	364.871	-354.594	D	7.312	7.311	0.001	2.7	0	0	0	0	0	99.97
2003	79	23	773	365.4	-355.32	D	7.335	7.311	0.024	2.7	0	0	0	0	0	100.01
2003	80	23	78	358.239	-356.385	D	7.371	7.311	0.06	2.7	0	0	0	0	0	100
2003	81	23	78	358.239	-356.385	D	7.405	7.311	0.094	2.7	0	0	0	0	0	100
2003	82	23	301	360.724	-362.017	D	7.311	7.311	0	2.7	0	0	0	0	0	98.26
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1017	356.894	-355.206	D	7.33	7.311	0.02	2.7	0	0	0	0	0	100.01
2003	85	23	927	365.912	-357.454	D	7.315	7.311	0.004	2.7	0	0	0	0	0	100.04
2003	86	23	643	363.609	-354.151	D	7.311	7.311	0.001	2.7	0	0	0	0	0	99.94
2003	87	23	949	365.722	-354.966	D	7.346	7.311	0.035	2.7	0	0	0	0	0	100.01
2003	88	23	927	365.912	-357.454	D	7.432	7.311	0.121	2.7	0	0	0	0	0	100
2003	89	23	927	365.912	-357.454	D	7.456	7.311	0.145	2.7	0	0	0	0	0	100
2003	90	23	788	365.951	-356.544	D	7.311	7.311	0	2.7	0	0	0	0	0	100.06
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1017	356.894	-355.206	D	7.311	7.311	0	2.7	0	0	0	0	0	104.14
2003	95	23	824	358.459	-361.601	D	7.352	7.311	0.041	2.7	0	0	0	0	0	100
2003	96	23	927	365.912	-357.454	D	7.316	7.311	0.006	2.7	0	0	0	0	0	100.02
2003	97	23	955	364.92	-354.582	D	7.314	7.311	0.003	2.7	0	0	0	0	0	100
2003	98	23	1041	356.936	-357.592	D	7.436	7.311	0.125	2.7	0	0	0	0	0	100
2003	99	23	822	358.021	-361.607	D	7.319	7.311	0.008	2.7	0	0	0	0	0	100.01
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	101	23	1017	356.894	-355.206	D	7.342	7.311	0.032	2.7	0	0	0	0	0	100
2003	102	23	927	365.912	-357.454	D	7.403	7.311	0.092	2.7	0	0	0	0	0	100
2003	103	23	949	365.722	-354.966	D	7.322	7.311	0.012	2.7	0	0	0	0	0	100.01
2003	104	23	783	365.659	-355.558	D	7.311	7.311	0	2.7	0	0	0	0	0	100.46
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	955	364.92	-354.582	D	7.351	7.311	0.041	2.7	0	0	0	0	0	100
2003	108	23	949	365.722	-354.966	D	7.325	7.311	0.014	2.7	0	0	0	0	0	100.01
2003	109	23	784	365.648	-355.309	D	7.311	7.311	0	2.7	0	0	0	0	0	99.75
2003	110	23	822	358.021	-361.607	D	7.312	7.311	0.001	2.7	0	0	0	0	0	100.19
2003	111	23	949	365.722	-354.966	D	7.321	7.311	0.011	2.7	0	0	0	0	0	100.02
2003	112	23	78	358.239	-356.385	D	7.357	7.311	0.046	2.7	0	0	0	0	0	100
2003	113	23	927	365.912	-357.454	D	7.316	7.311	0.006	2.7	0	0	0	0	0	100.04
2003	114	23	1016	357.1	-355.198	D	7.311	7.311	0	2.7	0	0	0	0	0	100.2
2003	115	23	955	364.92	-354.582	D	7.36	7.311	0.049	2.7	0	0	0	0	0	100
2003	116	23	537	362.693	-355.939	D	7.352	7.311	0.042	2.7	0	0	0	0	0	100.01

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	117	23	930	366.19	-357.232	D	7.315	7.311	0.005	2.7	0	0	0	0	0	100.03
2003	118	23	594	363.123	-354.422	D	7.311	7.311	0	2.7	0	0	0	0	0	101.06
2003	119	23	927	365.912	-357.454	D	7.325	7.311	0.014	2.7	0	0	0	0	0	100.02
2003	120	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	0	0	0	0	0	98.94
2003	121	23	1008	358.048	-354.775	D	7.582	7.581	0.001	3.275	0	0	0	0	0	100.06
2003	122	23	78	358.239	-356.385	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2003	123	23	1039	356.522	-357.599	D	7.597	7.593	0.004	3.3	0	0	0	0	0	100.01
2003	124	23	930	366.19	-357.232	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	91.47
2003	127	23	78	358.239	-356.385	D	7.636	7.593	0.044	3.3	0	0	0	0	0	100
2003	128	23	961	364.092	-354.289	D	7.602	7.593	0.01	3.3	0	0	0	0	0	100.01
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	0	0	0	0	0	100.14
2003	132	23	773	365.4	-355.32	D	7.658	7.593	0.065	3.3	0	0	0	0	0	100
2003	133	23	1039	356.522	-357.599	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	12.85
2003	135	23	927	365.912	-357.454	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.93
2003	136	23	963	363.809	-354.192	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	137	23	967	363.478	-354.116	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.01
2003	138	23	927	365.912	-357.454	D	7.629	7.593	0.037	3.3	0	0	0	0	0	100
2003	139	23	1035	356.477	-356.792	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.02
2003	140	23	747	364.871	-354.594	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100.01
2003	141	23	102	358.487	-356.374	D	7.605	7.593	0.013	3.3	0	0	0	0	0	100.01
2003	142	23	822	358.021	-361.607	D	7.6	7.593	0.007	3.3	0	0	0	0	0	100.03
2003	143	23	822	358.021	-361.607	D	7.597	7.593	0.005	3.3	0	0	0	0	0	100.05
2003	144	23	1017	356.894	-355.206	D	7.609	7.593	0.016	3.3	0	0	0	0	0	100.01
2003	145	23	78	358.239	-356.385	D	7.639	7.593	0.046	3.3	0	0	0	0	0	100.01
2003	146	23	1017	356.894	-355.206	D	7.609	7.593	0.016	3.3	0	0	0	0	0	100
2003	147	23	773	365.4	-355.32	D	7.66	7.593	0.067	3.3	0	0	0	0	0	100
2003	148	23	102	358.487	-356.374	D	7.651	7.593	0.058	3.3	0	0	0	0	0	100
2003	149	23	927	365.912	-357.454	D	7.714	7.593	0.121	3.3	0	0	0	0	0	100
2003	150	23	1039	356.522	-357.599	D	7.6	7.593	0.007	3.3	0	0	0	0	0	100.02
2003	151	23	102	358.487	-356.374	D	7.615	7.593	0.023	3.3	0	0	0	0	0	100
2003	152	23	927	365.912	-357.454	D	7.599	7.593	0.006	3.3	0	0	0	0	0	100.04
2003	153	23	811	357.434	-360.225	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.02
2003	154	23	102	358.487	-356.374	D	7.766	7.593	0.173	3.3	0	0	0	0	0	100
2003	155	23	822	358.021	-361.607	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.03

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	156	23	1017	356.894	-355.206	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100.02
2003	157	23	967	363.478	-354.116	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2003	158	23	927	365.912	-357.454	D	7.649	7.593	0.057	3.3	0	0	0	0	0	100
2003	159	23	927	365.912	-357.454	D	7.601	7.593	0.009	3.3	0	0	0	0	0	100.02
2003	160	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	0	0	0	0	0	99.23
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100
2003	163	23	967	363.478	-354.116	D	7.602	7.593	0.009	3.3	0	0	0	0	0	100.01
2003	164	23	964	363.678	-354.148	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.98
2003	165	23	822	358.021	-361.607	D	7.602	7.593	0.009	3.3	0	0	0	0	0	100.02
2003	166	23	930	366.19	-357.232	D	7.608	7.593	0.015	3.3	0	0	0	0	0	100
2003	167	23	1017	356.894	-355.206	D	7.606	7.593	0.013	3.3	0	0	0	0	0	99.99
2003	168	23	1008	358.048	-354.775	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	169	23	1008	358.048	-354.775	D	7.599	7.593	0.007	3.3	0	0	0	0	0	100.03
2003	170	23	964	363.678	-354.148	D	7.64	7.593	0.048	3.3	0	0	0	0	0	100
2003	171	23	78	358.239	-356.385	D	7.604	7.593	0.012	3.3	0	0	0	0	0	100.02
2003	172	23	927	365.912	-357.454	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.02
2003	173	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	98.51
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	927	365.912	-357.454	D	7.615	7.593	0.022	3.3	0	0	0	0	0	100
2003	178	23	78	358.239	-356.385	D	7.628	7.593	0.036	3.3	0	0	0	0	0	100
2003	179	23	1017	356.894	-355.206	D	7.605	7.593	0.013	3.3	0	0	0	0	0	100.01
2003	180	23	1017	356.894	-355.206	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.04
2003	181	23	1007	358.259	-354.768	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.14
2003	182	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	0	0	0	0	0	99.71
2003	183	23	1017	356.894	-355.206	D	7.598	7.593	0.006	3.3	0	0	0	0	0	100.01
2003	184	23	1007	358.259	-354.768	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.02
2003	185	23	771	365.422	-355.818	D	7.593	7.593	0	3.3	0	0	0	0	0	101.58
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	949	365.722	-354.966	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.02
2003	192	23	102	358.487	-356.374	D	7.671	7.593	0.078	3.3	0	0	0	0	0	100
2003	193	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.02
2003	194	23	949	365.722	-354.966	D	7.601	7.593	0.009	3.3	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	195	23	1017	356.894	-355.206	D	7.6	7.593	0.007	3.3	0	0	0	0	0	100.02
2003	196	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	98.31
2003	197	23	869	361.064	-360.714	D	7.64	7.593	0.047	3.3	0	0	0	0	0	100
2003	198	23	933	366.169	-356.524	D	7.593	7.593	0.001	3.3	0	0	0	0	0	100.11
2003	199	23	931	366.183	-356.996	D	7.593	7.593	0	3.3	0	0	0	0	0	101.5
2003	200	23	933	366.169	-356.524	D	7.593	7.593	0	3.3	0	0	0	0	0	100.94
2003	201	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.12
2003	202	23	949	365.722	-354.966	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.03
2003	203	23	822	358.021	-361.607	D	7.61	7.593	0.017	3.3	0	0	0	0	0	100
2003	204	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	0	0	0	0	0	99.72
2003	205	23	846	360.93	-362.178	D	7.596	7.593	0.004	3.3	0	0	0	0	0	100.03
2003	206	23	851	361.512	-362.072	D	7.605	7.593	0.013	3.3	0	0	0	0	0	99.99
2003	207	23	1008	358.048	-354.775	D	7.593	7.593	0.001	3.3	0	0	0	0	0	99.97
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	99.5
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	1007	358.259	-354.768	D	7.605	7.593	0.012	3.3	0	0	0	0	0	100.01
2003	211	23	1017	356.894	-355.206	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2003	212	23	949	365.722	-354.966	D	7.614	7.593	0.021	3.3	0	0	0	0	0	100
2003	213	23	933	366.169	-356.524	D	7.595	7.593	0.002	3.3	0	0	0	0	0	100.06
2003	214	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	0	0	0	0	0	100.42
2003	215	23	955	364.92	-354.582	D	7.611	7.593	0.018	3.3	0	0	0	0	0	100.01
2003	216	23	949	365.722	-354.966	D	7.606	7.593	0.013	3.3	0	0	0	0	0	100.01
2003	217	23	78	358.239	-356.385	D	7.651	7.593	0.059	3.3	0	0	0	0	0	100
2003	218	23	1039	356.522	-357.599	D	7.629	7.593	0.036	3.3	0	0	0	0	0	100
2003	219	23	947	365.801	-355.162	D	7.601	7.593	0.009	3.3	0	0	0	0	0	100.02
2003	220	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	0	0	0	0	0	99.97
2003	221	23	1039	356.522	-357.599	D	7.594	7.593	0.002	3.3	0	0	0	0	0	100.04
2003	222	23	949	365.722	-354.966	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	223	23	907	365.051	-359.809	D	7.602	7.593	0.01	3.3	0	0	0	0	0	100.01
2003	224	23	1017	356.894	-355.206	D	7.612	7.593	0.019	3.3	0	0	0	0	0	100
2003	225	23	1017	356.894	-355.206	D	7.597	7.593	0.004	3.3	0	0	0	0	0	100
2003	226	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	0	0	0	0	0	99.88
2003	227	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	0	0	0	0	0	99.96
2003	228	23	949	365.722	-354.966	D	7.621	7.593	0.029	3.3	0	0	0	0	0	100
2003	229	23	949	365.722	-354.966	D	7.608	7.593	0.015	3.3	0	0	0	0	0	100.01
2003	230	23	955	364.92	-354.582	D	7.617	7.593	0.024	3.3	0	0	0	0	0	100.01
2003	231	23	949	365.722	-354.966	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	232	23	930	366.19	-357.232	D	7.595	7.593	0.003	3.3	0	0	0	0	0	100.03
2003	233	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.08

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	234	23	643	363.609	-354.151	D	7.607	7.593	0.014	3.3	0	0	0	0	0	100
2003	235	23	907	365.051	-359.809	D	7.599	7.593	0.007	3.3	0	0	0	0	0	100.03
2003	236	23	822	358.021	-361.607	D	7.604	7.593	0.012	3.3	0	0	0	0	0	100
2003	237	23	1017	356.894	-355.206	D	7.598	7.593	0.006	3.3	0	0	0	0	0	100.03
2003	238	23	761	365.152	-355.331	D	7.595	7.593	0.002	3.3	0	0	0	0	0	99.94
2003	239	23	789	365.918	-355.796	D	7.593	7.593	0	3.3	0	0	0	0	0	100.59
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	748	365.295	-358.57	D	7.593	7.593	0	3.3	0	0	0	0	0	98.82
2003	243	23	710	364.843	-359.589	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.02
2003	244	23	10	356.954	-355.443	D	7.637	7.637	0	3.396	0	0	0	0	0	101.61
2003	245	23	949	365.722	-354.966	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.01
2003	246	23	811	357.434	-360.225	D	7.683	7.639	0.044	3.4	0	0	0	0	0	100
2003	247	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	100.18
2003	248	23	912	365.028	-358.602	D	7.65	7.639	0.011	3.4	0	0	0	0	0	100
2003	249	23	1017	356.894	-355.206	D	7.658	7.639	0.02	3.4	0	0	0	0	0	100.01
2003	250	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	0	0	0	0	0	99.96
2003	251	23	191	359.732	-362.061	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.05
2003	252	23	44	358.21	-361.379	D	7.64	7.639	0.001	3.4	0	0	0	0	0	99.84
2003	253	23	932	366.176	-356.761	D	7.64	7.639	0.001	3.4	0	0	0	0	0	100.03
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	96.48
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	78	358.239	-356.385	D	7.694	7.639	0.055	3.4	0	0	0	0	0	100
2003	258	23	78	358.239	-356.385	D	7.702	7.639	0.063	3.4	0	0	0	0	0	100
2003	259	23	949	365.722	-354.966	D	7.641	7.639	0.003	3.4	0	0	0	0	0	99.96
2003	260	23	949	365.722	-354.966	D	7.641	7.639	0.002	3.4	0	0	0	0	0	99.97
2003	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	102.43
2003	262	23	78	358.239	-356.385	D	7.664	7.639	0.025	3.4	0	0	0	0	0	100
2003	263	23	931	366.183	-356.996	D	7.648	7.639	0.009	3.4	0	0	0	0	0	100
2003	264	23	948	365.727	-355.056	D	7.648	7.639	0.009	3.4	0	0	0	0	0	100
2003	265	23	949	365.722	-354.966	D	7.686	7.639	0.047	3.4	0	0	0	0	0	100
2003	266	23	714	364.799	-358.592	D	7.667	7.639	0.028	3.4	0	0	0	0	0	100
2003	267	23	1016	357.1	-355.198	D	7.639	7.639	0.001	3.4	0	0	0	0	0	99.96
2003	268	23	731	365.047	-358.581	D	7.651	7.639	0.013	3.4	0	0	0	0	0	100
2003	269	23	907	365.051	-359.809	D	7.645	7.639	0.006	3.4	0	0	0	0	0	100
2003	270	23	78	358.239	-356.385	D	7.677	7.639	0.038	3.4	0	0	0	0	0	100
2003	271	23	102	358.487	-356.374	D	7.728	7.639	0.089	3.4	0	0	0	0	0	100
2003	272	23	1017	356.894	-355.206	D	7.658	7.639	0.02	3.4	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	273	23	822	358.021	-361.607	D	7.653	7.639	0.014	3.4	0	0	0	0	0	100.01
2003	274	23	832	359.493	-362.061	D	7.508	7.505	0.003	3.112	0	0	0	0	0	100.07
2003	275	23	78	358.239	-356.385	D	7.551	7.5	0.051	3.1	0	0	0	0	0	100
2003	276	23	930	366.19	-357.232	D	7.503	7.5	0.003	3.1	0	0	0	0	0	100.04
2003	277	23	78	358.239	-356.385	D	7.542	7.5	0.042	3.1	0	0	0	0	0	100
2003	278	23	811	357.434	-360.225	D	7.513	7.5	0.013	3.1	0	0	0	0	0	100.01
2003	279	23	822	358.021	-361.607	D	7.504	7.5	0.004	3.1	0	0	0	0	0	100.07
2003	280	23	907	365.051	-359.809	D	7.507	7.5	0.007	3.1	0	0	0	0	0	100
2003	281	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	0	0	0	0	0	100.09
2003	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	101.16
2003	283	23	1017	356.894	-355.206	D	7.502	7.5	0.003	3.1	0	0	0	0	0	100.04
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	125.53
2003	285	23	78	358.239	-356.385	D	7.512	7.5	0.012	3.1	0	0	0	0	0	100.02
2003	286	23	947	365.801	-355.162	D	7.503	7.5	0.004	3.1	0	0	0	0	0	100.04
2003	287	23	1039	356.522	-357.599	D	7.531	7.5	0.032	3.1	0	0	0	0	0	100
2003	288	23	102	358.487	-356.374	D	7.566	7.5	0.066	3.1	0	0	0	0	0	100
2003	289	23	788	365.951	-356.544	D	7.5	7.5	0	3.1	0	0	0	0	0	99.78
2003	290	23	907	365.051	-359.809	D	7.516	7.5	0.017	3.1	0	0	0	0	0	100.02
2003	291	23	10	356.954	-355.443	D	7.5	7.5	0.001	3.1	0	0	0	0	0	100.11
2003	292	23	845	360.851	-362.181	D	7.5	7.5	0.001	3.1	0	0	0	0	0	100.33
2003	293	23	775	365.747	-357.551	D	7.5	7.5	0	3.1	0	0	0	0	0	104.35
2003	294	23	78	358.239	-356.385	D	7.52	7.5	0.021	3.1	0	0	0	0	0	100.01
2003	295	23	102	358.487	-356.374	D	7.627	7.5	0.128	3.1	0	0	0	0	0	100
2003	296	23	78	358.239	-356.385	D	7.534	7.5	0.034	3.1	0	0	0	0	0	100.01
2003	297	23	1039	356.522	-357.599	D	7.506	7.5	0.007	3.1	0	0	0	0	0	100.02
2003	298	23	927	365.912	-357.454	D	7.523	7.5	0.024	3.1	0	0	0	0	0	100.01
2003	299	23	927	365.912	-357.454	D	7.506	7.5	0.006	3.1	0	0	0	0	0	100.01
2003	300	23	927	365.912	-357.454	D	7.567	7.5	0.068	3.1	0	0	0	0	0	100
2003	301	23	961	364.092	-354.289	D	7.524	7.5	0.025	3.1	0	0	0	0	0	100
2003	302	23	714	364.799	-358.592	D	7.544	7.5	0.044	3.1	0	0	0	0	0	100.01
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	0	0	0	0	0	100.07
2003	305	23	1017	356.894	-355.206	D	7.516	7.5	0.016	3.1	0	0	0	0	0	100.01
2003	306	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	0	0	0	0	0	97.11
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	1017	356.894	-355.206	D	7.5	7.5	0.001	3.1	0	0	0	0	0	100.22
2003	309	23	78	358.239	-356.385	D	7.527	7.5	0.028	3.1	0	0	0	0	0	100.01
2003	310	23	930	366.19	-357.232	D	7.525	7.5	0.025	3.1	0	0	0	0	0	100
2003	311	23	912	365.028	-358.602	D	7.545	7.5	0.045	3.1	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	312	23	78	358.239	-356.385	D	7.523	7.5	0.024	3.1	0	0	0	0	0	100.01
2003	313	23	754	365.229	-357.075	D	7.505	7.5	0.005	3.1	0	0	0	0	0	100.01
2003	314	23	907	365.051	-359.809	D	7.501	7.5	0.001	3.1	0	0	0	0	0	100.17
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	102	358.487	-356.374	D	7.53	7.5	0.031	3.1	0	0	0	0	0	100
2003	317	23	1037	356.5	-357.195	D	7.535	7.5	0.036	3.1	0	0	0	0	0	100
2003	318	23	1039	356.522	-357.599	D	7.506	7.5	0.006	3.1	0	0	0	0	0	100.02
2003	319	23	775	365.747	-357.551	D	7.5	7.5	0	3.1	0	0	0	0	0	91.68
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	811	357.434	-360.225	D	7.53	7.5	0.03	3.1	0	0	0	0	0	100
2003	323	23	78	358.239	-356.385	D	7.537	7.5	0.037	3.1	0	0	0	0	0	100.01
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	0	0	0	0	0	99.98
2003	328	23	949	365.722	-354.966	D	7.502	7.5	0.002	3.1	0	0	0	0	0	100.08
2003	329	23	517	362.401	-354.953	D	7.5	7.5	0	3.1	0	0	0	0	0	74.33
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	78	358.239	-356.385	D	7.509	7.5	0.01	3.1	0	0	0	0	0	100.02
2003	332	23	927	365.912	-357.454	D	7.541	7.5	0.041	3.1	0	0	0	0	0	100
2003	333	23	78	358.239	-356.385	D	7.571	7.5	0.072	3.1	0	0	0	0	0	100
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	714	364.799	-358.592	D	7.607	7.589	0.018	3.292	0	0	0	0	0	100
2003	336	23	927	365.912	-357.454	D	7.6	7.593	0.008	3.3	0	0	0	0	0	100
2003	337	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	0	0	0	0	0	99.68
2003	338	23	957	364.513	-354.595	D	7.835	7.593	0.242	3.3	0	0	0	0	0	100
2003	339	23	949	365.722	-354.966	D	7.644	7.593	0.052	3.3	0	0	0	0	0	100
2003	340	23	824	358.459	-361.601	D	7.669	7.593	0.076	3.3	0	0	0	0	0	100
2003	341	23	1017	356.894	-355.206	D	7.597	7.593	0.004	3.3	0	0	0	0	0	100
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	949	365.722	-354.966	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100.01
2003	345	23	869	361.064	-360.714	D	7.626	7.593	0.034	3.3	0	0	0	0	0	100
2003	346	23	832	359.493	-362.061	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100.01
2003	347	23	714	364.799	-358.592	D	7.601	7.593	0.008	3.3	0	0	0	0	0	100
2003	348	23	731	365.047	-358.581	D	7.607	7.593	0.015	3.3	0	0	0	0	0	100
2003	349	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	0	0	0	0	0	100.03
2003	350	23	955	364.92	-354.582	D	7.609	7.593	0.016	3.3	0	0	0	0	0	100

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	351	23	773	365.4	-355.32	D	7.603	7.593	0.01	3.3	0	0	0	0	0	100
2003	352	23	955	364.92	-354.582	D	7.605	7.593	0.012	3.3	0	0	0	0	0	100
2003	353	23	927	365.912	-357.454	D	7.641	7.593	0.048	3.3	0	0	0	0	0	100
2003	354	23	78	358.239	-356.385	D	7.638	7.593	0.046	3.3	0	0	0	0	0	100
2003	355	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.96
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	811	357.434	-360.225	D	7.624	7.593	0.031	3.3	0	0	0	0	0	100
2003	358	23	78	358.239	-356.385	D	7.661	7.593	0.068	3.3	0	0	0	0	0	100
2003	359	23	822	358.021	-361.607	D	7.604	7.593	0.011	3.3	0	0	0	0	0	100.01
2003	360	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	0	0	0	0	0	99.99
2003	361	23	782	365.67	-355.807	D	7.593	7.593	0	3.3	0	0	0	0	0	100.44
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	927	365.912	-357.454	D	7.616	7.593	0.023	3.3	0	0	0	0	0	100
2003	364	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	0	0	0	0	0	92.99
									0.242							
EXIDE											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	3	23	824	358.459	-361.601	D	7.549	7.546	0.003	3.2	83.26	11.87	0	0	0	4.95
2003	4	23	785	365.637	-355.06	D	7.546	7.546	0	3.2	89.67	7.85	0	0	0	2.41
2003	5	23	947	365.801	-355.162	D	7.547	7.546	0.001	3.2	72.61	18.78	0	0	0	8.67
2003	6	23	949	365.722	-354.966	D	7.548	7.546	0.001	3.2	91.59	6.13	0	0	0	2.28
2003	7	23	905	364.788	-359.816	D	7.547	7.546	0.001	3.2	92.7	5.5	0	0	0	1.92
2003	8	23	380	361.468	-361.984	D	7.546	7.546	0	3.2	90.93	3.29	0	0	0	1.28
2003	9	23	710	364.843	-359.589	D	7.547	7.546	0	3.2	83.36	10.57	0	0	0	6.09
2003	10	23	822	358.021	-361.607	D	7.547	7.546	0.001	3.2	64.97	22.7	0	0	0	12.39
2003	11	23	1037	356.5	-357.195	D	7.547	7.546	0.001	3.2	79.22	14.68	0	0	0	6.24
2003	12	23	1017	356.894	-355.206	D	7.547	7.546	0.001	3.2	88.59	8.95	0	0	0	2.72
2003	13	23	774	365.389	-355.071	D	7.547	7.546	0.001	3.2	92.97	5.99	0	0	0	1.29
2003	14	23	1	356.546	-357.458	D	7.547	7.546	0.001	3.2	89.07	8.5	0	0	0	2.53
2003	15	23	44	358.21	-361.379	D	7.546	7.546	0	3.2	94.92	4.46	0	0	0	1.44
2003	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	96.48	4.95	0	0	0	0.98
2003	17	23	811	357.434	-360.225	D	7.548	7.546	0.002	3.2	85.32	10.61	0	0	0	4.11
2003	18	23	853	361.666	-362.175	D	7.547	7.546	0.001	3.2	87.11	9.8	0	0	0	3.05
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	21	23	955	364.92	-354.582	D	7.548	7.546	0.002	3.2	93.74	5.14	0	0	0	1.17
2003	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	24	23	10	356.954	-355.443	D	7.546	7.546	0	3.2	87.78	10.53	0	0	0	2.08
2003	25	23	970	363.145	-354.231	D	7.547	7.546	0.001	3.2	88.96	9.73	0	0	0	1.35
2003	26	23	811	357.434	-360.225	D	7.549	7.546	0.003	3.2	88.2	8.87	0	0	0	2.94
2003	27	23	821	358.053	-361.416	D	7.547	7.546	0.001	3.2	92.78	5.85	0	0	0	1.46
2003	28	23	785	365.637	-355.06	D	7.547	7.546	0	3.2	93.29	5.77	0	0	0	0.85
2003	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1007	358.259	-354.768	D	7.406	7.406	0	2.9	95.8	3.09	0	0	0	1.38
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	947	365.801	-355.162	D	7.408	7.406	0.002	2.9	91.16	6.05	0	0	0	2.9
2003	37	23	1017	356.894	-355.206	D	7.408	7.406	0.002	2.9	94.13	4.72	0	0	0	1.29
2003	38	23	907	365.051	-359.809	D	7.408	7.406	0.003	2.9	92.74	5.8	0	0	0	1.51
2003	39	23	570	363.387	-360.402	D	7.406	7.406	0	2.9	78.34	9.33	0	0	0	2.62
2003	40	23	899	364.071	-360.247	D	7.406	7.406	0	2.9	105.63	6.22	0	0	0	1.67
2003	41	23	748	365.295	-358.57	D	7.406	7.406	0	2.9	96.36	5.26	0	0	0	0.99
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	822	358.021	-361.607	D	7.406	7.406	0	2.9	70.7	17.85	0	0	0	11.74
2003	44	23	906	364.982	-359.812	D	7.406	7.406	0	2.9	91.51	6.03	0	0	0	2.75
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	92.21	4.58	0	0	0	1.87
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	101.6	3.19	0	0	0	1.44
2003	50	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	99.34	3.49	0	0	0	1.97
2003	51	23	1036	356.488	-356.993	D	7.406	7.406	0.001	2.9	96	3.04	0	0	0	1.13
2003	52	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	99.61	1.41	0	0	0	0.81
2003	53	23	1038	356.511	-357.396	D	7.406	7.406	0	2.9	96.61	3.64	0	0	0	1.76
2003	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	55	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	91.05	6.66	0	0	0	2.44
2003	56	23	822	358.021	-361.607	D	7.408	7.406	0.002	2.9	92.73	5.68	0	0	0	1.67
2003	57	23	3	356.524	-356.959	D	7.407	7.406	0.001	2.9	95.4	3.72	0	0	0	0.98
2003	58	23	643	363.609	-354.151	D	7.406	7.406	0.001	2.9	96.93	2.81	0	0	0	0.7
2003	59	23	62	357.925	-354.901	D	7.406	7.406	0.001	2.9	97.5	2.16	0	0	0	0.53

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	60	23	729	364.634	-354.854	D	7.315	7.315	0	2.708	97.94	1.83	0	0	0	0.48
2003	61	23	930	366.19	-357.232	D	7.314	7.311	0.004	2.7	93.43	4.5	0	0	0	2.09
2003	62	23	854	361.771	-362.091	D	7.314	7.311	0.003	2.7	94.37	4.09	0	0	0	1.58
2003	63	23	907	365.051	-359.809	D	7.316	7.311	0.005	2.7	97.97	1.32	0	0	0	0.74
2003	64	23	961	364.092	-354.289	D	7.312	7.311	0.001	2.7	96.68	2.7	0	0	0	0.73
2003	65	23	775	365.747	-357.551	D	7.311	7.311	0	2.7	96.44	2.94	0	0	0	0.62
2003	66	23	1017	356.894	-355.206	D	7.311	7.311	0.001	2.7	96.67	2.21	0	0	0	1.42
2003	67	23	62	357.925	-354.901	D	7.311	7.311	0	2.7	98.22	1.05	0	0	0	1.09
2003	68	23	822	358.021	-361.607	D	7.314	7.311	0.003	2.7	94.02	4.33	0	0	0	1.68
2003	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	118.41	0.6	0	0	0	1.58
2003	70	23	44	358.21	-361.379	D	7.312	7.311	0.001	2.7	98.17	0.88	0	0	0	1.02
2003	71	23	730	364.623	-354.605	D	7.311	7.311	0	2.7	98.36	0.83	0	0	0	0.74
2003	72	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	95.95	2.68	0	0	0	1.55
2003	73	23	1039	356.522	-357.599	D	7.311	7.311	0	2.7	97.95	1.2	0	0	0	1.18
2003	74	23	10	356.954	-355.443	D	7.311	7.311	0	2.7	100.04	1.09	0	0	0	1
2003	75	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	80	23	822	358.021	-361.607	D	7.311	7.311	0	2.7	93.77	3.01	0	0	0	3.66
2003	81	23	852	361.595	-362.148	D	7.311	7.311	0	2.7	94.5	2.04	0	0	0	3.41
2003	82	23	356	361.22	-361.995	D	7.311	7.311	0	2.7	97.88	0.57	0	0	0	1.61
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	593	363.134	-354.671	D	7.311	7.311	0	2.7	96.98	2.09	0	0	0	1.75
2003	85	23	356	361.22	-361.995	D	7.311	7.311	0	2.7	95.14	2.24	0	0	0	0.99
2003	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	87	23	963	363.809	-354.192	D	7.311	7.311	0	2.7	86.96	6.58	0	0	0	2.43
2003	88	23	949	365.722	-354.966	D	7.311	7.311	0	2.7	79.87	13.44	0	0	0	6.69
2003	89	23	2	356.535	-357.209	D	7.312	7.311	0.001	2.7	85.5	9.22	0	0	0	5.29
2003	90	23	689	364.595	-359.6	D	7.311	7.311	0	2.7	86.78	5.66	0	0	0	4.27
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	99.04	1	0	0	0	1.74
2003	95	23	1017	356.894	-355.206	D	7.312	7.311	0.001	2.7	88.68	7.81	0	0	0	3.61
2003	96	23	706	364.408	-355.364	D	7.311	7.311	0	2.7	98.98	1.38	0	0	0	0.4
2003	97	23	543	362.627	-354.444	D	7.311	7.311	0	2.7	98.51	1.11	0	0	0	0.16
2003	98	23	905	364.788	-359.816	D	7.316	7.311	0.006	2.7	89.34	7.49	0	0	0	3.18

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	104.91	0.51	0	0	0	1.49
2003	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	100.39	0.19	0	0	0	1.15
2003	103	23	454	361.657	-354.986	D	7.311	7.311	0	2.7	100.36	0.11	0	0	0	0.99
2003	104	23	3	356.524	-356.959	D	7.311	7.311	0	2.7	98.85	0.13	0	0	0	0.85
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	7.314	7.311	0.003	2.7	91.66	5.12	0	0	0	3.24
2003	108	23	949	365.722	-354.966	D	7.313	7.311	0.003	2.7	97.25	1.51	0	0	0	1.29
2003	109	23	783	365.659	-355.558	D	7.311	7.311	0	2.7	98.98	0.16	0	0	0	0.62
2003	110	23	722	364.711	-356.599	D	7.32	7.311	0.009	2.7	97.42	1.3	0	0	0	1.3
2003	111	23	570	363.387	-360.402	D	7.311	7.311	0	2.7	75.76	0.04	0	0	0	0.61
2003	112	23	850	361.371	-362.039	D	7.311	7.311	0.001	2.7	92.57	3.32	0	0	0	4.33
2003	113	23	811	357.434	-360.225	D	7.311	7.311	0.001	2.7	97.98	0.75	0	0	0	1.37
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	821	358.053	-361.416	D	7.311	7.311	0	2.7	99.92	1.85	0	0	0	2.51
2003	116	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	102.82	0.19	0	0	0	1.08
2003	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	121	23	3	356.524	-356.959	D	7.581	7.581	0	3.275	90.29	0.22	0	0	0	1
2003	122	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	97.56	1.43	0	0	0	0.98
2003	123	23	853	361.666	-362.175	D	7.595	7.593	0.003	3.3	99.03	0.37	0	0	0	0.63
2003	124	23	932	366.176	-356.761	D	7.595	7.593	0.002	3.3	99.41	0.17	0	0	0	0.39
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	62	357.925	-354.901	D	7.594	7.593	0.001	3.3	98.48	0.47	0	0	0	1.06
2003	128	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	99.19	0.17	0	0	0	0.86
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	61	357.936	-355.15	D	7.593	7.593	0	3.3	97.05	0.26	0	0	0	1.59
2003	137	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.26	0.1	0	0	0	0.68

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	138	23	10	356.954	-355.443	D	7.594	7.593	0.001	3.3	99.09	0.4	0	0	0	0.57
2003	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.12	0.31	0	0	0	0.55
2003	140	23	1035	356.477	-356.792	D	7.594	7.593	0.001	3.3	97.65	1.71	0	0	0	0.72
2003	141	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	100.85	0.11	0	0	0	0.36
2003	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	143	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	99.05	0.05	0	0	0	1.09
2003	144	23	643	363.609	-354.151	D	7.593	7.593	0.001	3.3	98.78	0.39	0	0	0	0.91
2003	145	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	98.51	0.86	0	0	0	0.7
2003	146	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	100.25	0.08	0	0	0	0.66
2003	147	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	149	23	811	357.434	-360.225	D	7.594	7.593	0.001	3.3	96.11	0.81	0	0	0	3.11
2003	150	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	98.33	0.19	0	0	0	1.63
2003	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	81.86	7.24	0	0	0	11.05
2003	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	106.79	0.17	0	0	0	0.76
2003	154	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	98.95	0.44	0	0	0	0.57
2003	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	157	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	101.31	0.13	0	0	0	0.75
2003	158	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	100.65	0.13	0	0	0	0.62
2003	159	23	853	361.666	-362.175	D	7.593	7.593	0	3.3	100.79	0.03	0	0	0	0.55
2003	160	23	109	358.954	-361.346	D	7.593	7.593	0	3.3	94.52	0.03	0	0	0	0.45
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	98.53	1.11	0	0	0	0.68
2003	164	23	62	357.925	-354.901	D	7.593	7.593	0	3.3	99.51	0.18	0	0	0	0.63
2003	165	23	40	357.732	-356.157	D	7.593	7.593	0	3.3	98.97	0.2	0	0	0	0.52
2003	166	23	356	361.22	-361.995	D	7.593	7.593	0	3.3	100.01	0.16	0	0	0	0.47
2003	167	23	163	359.462	-361.573	D	7.593	7.593	0	3.3	103.96	0.08	0	0	0	0.46
2003	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.77	0.15	0	0	0	0.42
2003	169	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	100.66	0.08	0	0	0	0.38
2003	170	23	1008	358.048	-354.775	D	7.594	7.593	0.001	3.3	99.09	0.06	0	0	0	0.88
2003	171	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	98.72	0.64	0	0	0	0.65
2003	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.47	0.05	0	0	0	0.55
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	177	23	900	364.265	-360.243	D	7.594	7.593	0.001	3.3	94.99	3.17	0	0	0	1.81
2003	178	23	810	357.434	-360.005	D	7.597	7.593	0.004	3.3	97.7	0.37	0	0	0	1.92
2003	179	23	853	361.666	-362.175	D	7.595	7.593	0.002	3.3	98.83	0.05	0	0	0	1.11
2003	180	23	1011	357.717	-354.92	D	7.594	7.593	0.001	3.3	99.12	0.04	0	0	0	0.84
2003	181	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	99.54	0.07	0	0	0	0.69
2003	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	76.32	0.01	0	0	0	0.55
2003	183	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	140.97	0.13	0	0	0	0.75
2003	184	23	455	361.646	-354.736	D	7.593	7.593	0	3.3	122.09	0.05	0	0	0	0.59
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	41	357.721	-355.908	D	7.593	7.593	0.001	3.3	96.49	0.13	0	0	0	3.23
2003	193	23	852	361.595	-362.148	D	7.594	7.593	0.001	3.3	98.69	0.13	0	0	0	1.19
2003	194	23	747	364.871	-354.594	D	7.594	7.593	0.001	3.3	98.8	0.12	0	0	0	1.05
2003	195	23	948	365.727	-355.056	D	7.594	7.593	0.001	3.3	99.11	0.13	0	0	0	0.74
2003	196	23	497	362.142	-354.715	D	7.593	7.593	0	3.3	98.09	0.01	0	0	0	0.56
2003	197	23	568	362.886	-354.682	D	7.593	7.593	0	3.3	98.45	0.02	0	0	0	1.17
2003	198	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	99.95	0.02	0	0	0	0.9
2003	199	23	706	364.408	-355.364	D	7.593	7.593	0	3.3	101.27	0.01	0	0	0	0.71
2003	200	23	380	361.468	-361.984	D	7.593	7.593	0	3.3	121.98	0.01	0	0	0	0.66
2003	201	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	102.09	1.04	0	0	0	0.87
2003	202	23	965	363.588	-354.142	D	7.593	7.593	0	3.3	98.48	0.05	0	0	0	1.62
2003	203	23	853	361.666	-362.175	D	7.594	7.593	0.001	3.3	98.21	0.04	0	0	0	1.79
2003	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	518	362.39	-354.704	D	7.593	7.593	0	3.3	97.55	0.06	0	0	0	0.97
2003	210	23	967	363.478	-354.116	D	7.597	7.593	0.005	3.3	98.57	0.7	0	0	0	0.75
2003	211	23	822	358.021	-361.607	D	7.595	7.593	0.003	3.3	99.21	0.23	0	0	0	0.61
2003	212	23	916	365.407	-358.185	D	7.594	7.593	0.002	3.3	99.13	0.09	0	0	0	0.67
2003	213	23	770	365.433	-356.067	D	7.593	7.593	0	3.3	99.13	0.07	0	0	0	0.68
2003	214	23	407	361.716	-361.973	D	7.593	7.593	0	3.3	100.07	0.01	0	0	0	0.52
2003	215	23	964	363.678	-354.148	D	7.596	7.593	0.003	3.3	98.89	0.24	0	0	0	0.87

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	216	23	1007	358.259	-354.768	D	7.6	7.593	0.007	3.3	98.97	0.11	0	0	0	0.9
2003	217	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99	0.1	0	0	0	0.85
2003	218	23	61	357.936	-355.15	D	7.593	7.593	0.001	3.3	99.06	0.13	0	0	0	0.77
2003	219	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.21	0.15	0	0	0	0.66
2003	220	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	94.76	0	0	0	0	0.59
2003	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	688	364.127	-354.627	D	7.593	7.593	0	3.3	69.78	0	0	0	0	1.02
2003	230	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	98.84	0.03	0	0	0	1.18
2003	231	23	907	365.051	-359.809	D	7.594	7.593	0.001	3.3	99.09	0.04	0	0	0	0.84
2003	232	23	906	364.982	-359.812	D	7.593	7.593	0.001	3.3	99.42	0.04	0	0	0	0.7
2003	233	23	906	364.982	-359.812	D	7.593	7.593	0.001	3.3	99.33	0.09	0	0	0	0.62
2003	234	23	967	363.478	-354.116	D	7.597	7.593	0.004	3.3	98.76	0.01	0	0	0	1.24
2003	235	23	853	361.666	-362.175	D	7.601	7.593	0.008	3.3	99.06	0.03	0	0	0	0.92
2003	236	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.16	0.09	0	0	0	0.77
2003	237	23	810	357.434	-360.005	D	7.596	7.593	0.004	3.3	99.33	0.02	0	0	0	0.67
2003	238	23	543	362.627	-354.444	D	7.594	7.593	0.002	3.3	99.42	0.01	0	0	0	0.59
2003	239	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	99.43	0.02	0	0	0	0.54
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	94.65	1.29	0	0	0	0.79
2003	243	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	247	23	1017	356.894	-355.206	D	7.645	7.639	0.006	3.4	97.43	1.22	0	0	0	1.35
2003	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	28.54	0	0	0	0	0.25
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	822	358.021	-361.607	D	7.639	7.639	0.001	3.4	95.23	1.32	0	0	0	3.44
2003	258	23	786	365.973	-357.042	D	7.64	7.639	0.002	3.4	97.03	0.57	0	0	0	2.39
2003	259	23	822	358.021	-361.607	D	7.642	7.639	0.003	3.4	98.65	0.14	0	0	0	1.22
2003	260	23	1011	357.717	-354.92	D	7.639	7.639	0.001	3.4	99.06	0.08	0	0	0	0.89
2003	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	262	23	950	365.524	-354.972	D	7.64	7.639	0.001	3.4	95.51	3.28	0	0	0	1.22
2003	263	23	1017	356.894	-355.206	D	7.639	7.639	0	3.4	97.39	0.59	0	0	0	2.13
2003	264	23	191	359.732	-362.061	D	7.64	7.639	0.001	3.4	99.61	0.05	0	0	0	0.4
2003	265	23	749	365.284	-358.321	D	7.64	7.639	0.001	3.4	99.18	0.4	0	0	0	0.33
2003	266	23	907	365.051	-359.809	D	7.64	7.639	0.001	3.4	93.11	1.78	0	0	0	5.19
2003	267	23	684	364.171	-355.624	D	7.639	7.639	0	3.4	84.37	0.08	0	0	0	1.1
2003	268	23	1039	356.522	-357.599	D	7.64	7.639	0.001	3.4	97.89	0.59	0	0	0	1.45
2003	269	23	1017	356.894	-355.206	D	7.64	7.639	0.001	3.4	98.68	0.33	0	0	0	1.03
2003	270	23	785	365.637	-355.06	D	7.64	7.639	0.001	3.4	95.61	1.62	0	0	0	2.81
2003	271	23	948	365.727	-355.056	D	7.639	7.639	0	3.4	93.32	1.33	0	0	0	4.94
2003	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	93.21	3.06	0	0	0	3.9
2003	273	23	643	363.609	-354.151	D	7.64	7.639	0.001	3.4	94.81	3.4	0	0	0	1.8
2003	274	23	947	365.801	-355.162	D	7.508	7.505	0.003	3.112	97.34	1.32	0	0	0	1.42
2003	275	23	852	361.595	-362.148	D	7.502	7.5	0.002	3.1	97.87	0.85	0	0	0	1.34
2003	276	23	1017	356.894	-355.206	D	7.501	7.5	0.001	3.1	98.29	0.62	0	0	0	1.18
2003	277	23	434	361.954	-361.713	D	7.5	7.5	0	3.1	89.56	4.19	0	0	0	6.31
2003	278	23	643	363.609	-354.151	D	7.5	7.5	0	3.1	98.16	0.65	0	0	0	2.27
2003	279	23	301	360.724	-362.017	D	7.5	7.5	0	3.1	98.18	0.72	0	0	0	1.25
2003	280	23	44	358.21	-361.379	D	7.5	7.5	0	3.1	99.25	0.14	0	0	0	0.86
2003	281	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	100.8	0.1	0	0	0	0.71
2003	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	102.07	0.13	0	0	0	0.63
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	930	366.19	-357.232	D	7.5	7.5	0.001	3.1	95.02	2.49	0	0	0	2.55
2003	286	23	822	358.021	-361.607	D	7.5	7.5	0	3.1	99.55	0.04	0	0	0	0.99
2003	287	23	822	358.021	-361.607	D	7.5	7.5	0.001	3.1	97.99	1.1	0	0	0	1.01
2003	288	23	933	366.169	-356.524	D	7.502	7.5	0.002	3.1	94.62	1.81	0	0	0	3.65
2003	289	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	98.56	0.26	0	0	0	1.43
2003	290	23	174	359.341	-358.832	D	7.5	7.5	0	3.1	96.58	1.62	0	0	0	0.79
2003	291	23	274	360.465	-361.779	D	7.5	7.5	0	3.1	99.11	0.37	0	0	0	0.73
2003	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	294	23	643	363.609	-354.151	D	7.5	7.5	0.001	3.1	92.72	0.9	0	0	0	6.55
2003	295	23	645	364.109	-359.871	D	7.502	7.5	0.003	3.1	95.66	0.82	0	0	0	3.54
2003	296	23	1007	358.259	-354.768	D	7.5	7.5	0.001	3.1	97.25	0.23	0	0	0	2.7
2003	297	23	931	366.183	-356.996	D	7.502	7.5	0.002	3.1	98.31	0.19	0	0	0	1.56
2003	298	23	707	364.397	-355.114	D	7.501	7.5	0.001	3.1	98.71	0.57	0	0	0	0.73
2003	299	23	1038	356.511	-357.396	D	7.5	7.5	0.001	3.1	87.52	7.99	0	0	0	4.6
2003	300	23	788	365.951	-356.544	D	7.5	7.5	0	3.1	92.42	4.69	0	0	0	2.81
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	95.2	1.57	0	0	0	3.49
2003	305	23	1017	356.894	-355.206	D	7.503	7.5	0.003	3.1	94.92	3.04	0	0	0	2.11
2003	306	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	96.72	2.37	0	0	0	1.21
2003	307	23	455	361.646	-354.736	D	7.5	7.5	0	3.1	95.78	2.57	0	0	0	0.76
2003	308	23	1017	356.894	-355.206	D	7.5	7.5	0.001	3.1	98.06	1.18	0	0	0	0.86
2003	309	23	822	358.021	-361.607	D	7.52	7.5	0.021	3.1	97.3	1.83	0	0	0	0.88
2003	310	23	853	361.666	-362.175	D	7.51	7.5	0.011	3.1	97.86	1.6	0	0	0	0.56
2003	311	23	832	359.493	-362.061	D	7.5	7.5	0	3.1	98.67	0.94	0	0	0	0.4
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	949	365.722	-354.966	D	7.5	7.5	0.001	3.1	84.06	9.32	0	0	0	6.65
2003	318	23	933	366.169	-356.524	D	7.502	7.5	0.002	3.1	88.59	7.51	0	0	0	3.99
2003	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	323	23	586	363.211	-356.415	D	7.5	7.5	0.001	3.1	74.74	14.81	0	0	0	10.68
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	7.501	7.5	0.002	3.1	91.78	6.49	0	0	0	1.86
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	1037	356.5	-357.195	D	7.5	7.5	0	3.1	94.89	3.05	0	0	0	2.2
2003	332	23	773	365.4	-355.32	D	7.5	7.5	0.001	3.1	66.88	21.69	0	0	0	11.55

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	10	356.954	-355.443	D	7.589	7.589	0.001	3.292	89.17	6.46	0	0	0	4.12
2003	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	339	23	2	356.535	-357.209	D	7.596	7.593	0.003	3.3	91.69	6.47	0	0	0	1.82
2003	340	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	86.91	4.89	0	0	0	2.04
2003	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	102	358.487	-356.374	D	7.594	7.593	0.001	3.3	92.34	5.56	0	0	0	2.01
2003	345	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	84.2	11.16	0	0	0	4.66
2003	346	23	822	358.021	-361.607	D	7.594	7.593	0.002	3.3	91	7.17	0	0	0	1.94
2003	347	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	92.82	4.55	0	0	0	1.03
2003	348	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	90.25	6.44	0	0	0	3.37
2003	354	23	947	365.801	-355.162	D	7.594	7.593	0.001	3.3	91.13	6.45	0	0	0	2.52
2003	355	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	95.1	3.71	0	0	0	1.28
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	92.92	5.26	0	0	0	1.85
2003	358	23	22	357.527	-357.165	D	7.599	7.593	0.006	3.3	93.88	4.61	0	0	0	1.51
2003	359	23	822	358.021	-361.607	D	7.594	7.593	0.002	3.3	96.05	2.77	0	0	0	1.26
2003	360	23	643	363.609	-354.151	D	7.594	7.593	0.001	3.3	96.77	2.51	0	0	0	0.77
2003	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.021							
TRIGEN KC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	2	23	821	358.053	-361.416	D	7.546	7.546	0	3.2	99.01	5.07	0	0	0	0.24
2003	3	23	1017	356.894	-355.206	D	7.565	7.546	0.019	3.2	86.98	12.42	0	0	0	0.61
2003	4	23	947	365.801	-355.162	D	7.547	7.546	0	3.2	92.49	7.14	0	0	0	0.26
2003	5	23	930	366.19	-357.232	D	7.55	7.546	0.003	3.2	79.46	19.16	0	0	0	1.39
2003	6	23	933	366.169	-356.524	D	7.551	7.546	0.005	3.2	90.32	9.2	0	0	0	0.47
2003	7	23	789	365.918	-355.796	D	7.549	7.546	0.002	3.2	96.02	3.83	0	0	0	0.17
2003	8	23	907	365.051	-359.809	D	7.546	7.546	0	3.2	96.12	2.09	0	0	0	0.12
2003	9	23	619	363.872	-360.131	D	7.547	7.546	0.001	3.2	87.99	11.32	0	0	0	0.74
2003	10	23	933	366.169	-356.524	D	7.55	7.546	0.004	3.2	79.02	19.5	0	0	0	1.5
2003	11	23	822	358.021	-361.607	D	7.548	7.546	0.002	3.2	84.7	14.29	0	0	0	1.08
2003	12	23	1017	356.894	-355.206	D	7.547	7.546	0.001	3.2	93.32	6.6	0	0	0	0.27
2003	13	23	850	361.371	-362.039	D	7.548	7.546	0.002	3.2	94.43	5.46	0	0	0	0.16
2003	14	23	116	358.878	-359.602	D	7.569	7.546	0.023	3.2	90.45	9.13	0	0	0	0.43
2003	15	23	1039	356.522	-357.599	D	7.547	7.546	0.001	3.2	96.47	3.62	0	0	0	0.13
2003	16	23	822	358.021	-361.607	D	7.548	7.546	0.001	3.2	96.07	3.98	0	0	0	0.07
2003	17	23	811	357.434	-360.225	D	7.557	7.546	0.011	3.2	90.16	9.23	0	0	0	0.62
2003	18	23	948	365.727	-355.056	D	7.552	7.546	0.006	3.2	93.3	6.41	0	0	0	0.3
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	930	366.19	-357.232	D	7.55	7.546	0.003	3.2	94.19	5.72	0	0	0	0.13
2003	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	24	23	1017	356.894	-355.206	D	7.548	7.546	0.002	3.2	93.09	6.76	0	0	0	0.19
2003	25	23	949	365.722	-354.966	D	7.552	7.546	0.005	3.2	93.23	6.66	0	0	0	0.13
2003	26	23	931	366.183	-356.996	D	7.549	7.546	0.003	3.2	78.49	20.25	0	0	0	1.27
2003	27	23	906	364.982	-359.812	D	7.549	7.546	0.003	3.2	93.27	6.6	0	0	0	0.18
2003	28	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	94.66	5.31	0	0	0	0.1
2003	29	23	1017	356.894	-355.206	D	7.549	7.546	0.003	3.2	94.47	5.42	0	0	0	0.13
2003	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1008	358.048	-354.775	D	7.409	7.406	0.004	2.9	96.33	3.59	0	0	0	0.11
2003	35	23	949	365.722	-354.966	D	7.407	7.406	0.001	2.9	92.18	7.44	0	0	0	0.59
2003	36	23	949	365.722	-354.966	D	7.426	7.406	0.02	2.9	92.65	6.95	0	0	0	0.41
2003	37	23	1017	356.894	-355.206	D	7.417	7.406	0.011	2.9	96.49	3.41	0	0	0	0.13
2003	38	23	408	361.706	-361.724	D	7.421	7.406	0.016	2.9	96.02	3.86	0	0	0	0.12
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	117.09	4.49	0	0	0	0.15

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	41	23	955	364.92	-354.582	D	7.408	7.406	0.002	2.9	93.4	6.46	0	0	0	0.19
2003	42	23	1017	356.894	-355.206	D	7.407	7.406	0.001	2.9	94.93	4.75	0	0	0	0.41
2003	43	23	822	358.021	-361.607	D	7.408	7.406	0.002	2.9	90.28	9.08	0	0	0	0.71
2003	44	23	1017	356.894	-355.206	D	7.408	7.406	0.003	2.9	95.95	3.89	0	0	0	0.24
2003	45	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	97.44	2.63	0	0	0	0.12
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	49	23	1017	356.894	-355.206	D	7.41	7.406	0.005	2.9	97.07	2.83	0	0	0	0.15
2003	50	23	1017	356.894	-355.206	D	7.407	7.406	0.002	2.9	97.49	2.58	0	0	0	0.11
2003	51	23	1017	356.894	-355.206	D	7.419	7.406	0.014	2.9	97.33	2.59	0	0	0	0.1
2003	52	23	1017	356.894	-355.206	D	7.408	7.406	0.002	2.9	99.02	0.98	0	0	0	0.07
2003	53	23	1039	356.522	-357.599	D	7.407	7.406	0.002	2.9	97.12	2.87	0	0	0	0.13
2003	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	55	23	1039	356.522	-357.599	D	7.406	7.406	0.001	2.9	95.23	4.8	0	0	0	0.25
2003	56	23	1039	356.522	-357.599	D	7.407	7.406	0.001	2.9	96.02	3.81	0	0	0	0.17
2003	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	98.79	2.22	0	0	0	0.09
2003	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	99.59	1.66	0	0	0	0.06
2003	59	23	44	358.21	-361.379	D	7.406	7.406	0	2.9	99.69	1.23	0	0	0	0.05
2003	60	23	1017	356.894	-355.206	D	7.322	7.315	0.007	2.708	98.36	1.56	0	0	0	0.08
2003	61	23	949	365.722	-354.966	D	7.366	7.311	0.056	2.7	97.14	2.73	0	0	0	0.14
2003	62	23	1035	356.477	-356.792	D	7.344	7.311	0.033	2.7	96.65	3.19	0	0	0	0.16
2003	63	23	907	365.051	-359.809	D	7.327	7.311	0.016	2.7	98.63	1.31	0	0	0	0.07
2003	64	23	853	361.666	-362.175	D	7.318	7.311	0.008	2.7	97.75	2.18	0	0	0	0.09
2003	65	23	853	361.666	-362.175	D	7.315	7.311	0.004	2.7	97.07	2.84	0	0	0	0.13
2003	66	23	247	360.217	-361.79	D	7.316	7.311	0.006	2.7	98.35	1.55	0	0	0	0.11
2003	67	23	949	365.722	-354.966	D	7.312	7.311	0.002	2.7	99.32	0.68	0	0	0	0.07
2003	68	23	822	358.021	-361.607	D	7.321	7.311	0.01	2.7	96.77	3.13	0	0	0	0.11
2003	69	23	821	358.053	-361.416	D	7.311	7.311	0	2.7	99.49	0.65	0	0	0	0.08
2003	70	23	822	358.021	-361.607	D	7.315	7.311	0.004	2.7	99.27	0.72	0	0	0	0.07
2003	71	23	966	363.538	-354.124	D	7.312	7.311	0.002	2.7	99.23	0.74	0	0	0	0.06
2003	72	23	1017	356.894	-355.206	D	7.345	7.311	0.034	2.7	98.62	1.25	0	0	0	0.13
2003	73	23	822	358.021	-361.607	D	7.322	7.311	0.011	2.7	98.97	0.95	0	0	0	0.08
2003	74	23	1017	356.894	-355.206	D	7.318	7.311	0.007	2.7	99.41	0.52	0	0	0	0.07
2003	75	23	1017	356.894	-355.206	D	7.311	7.311	0.001	2.7	99.88	0.25	0	0	0	0.06
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	845	360.851	-362.181	D	7.314	7.311	0.003	2.7	97.36	2.6	0	0	0	0.12

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	80	23	822	358.021	-361.607	D	7.318	7.311	0.007	2.7	96.37	3.18	0	0	0	0.45
2003	81	23	907	365.051	-359.809	D	7.313	7.311	0.002	2.7	98.64	1.04	0	0	0	0.33
2003	82	23	905	364.788	-359.816	D	7.311	7.311	0	2.7	99.22	0.27	0	0	0	0.13
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1038	356.511	-357.396	D	7.312	7.311	0.001	2.7	98.52	1.45	0	0	0	0.17
2003	85	23	853	361.666	-362.175	D	7.311	7.311	0	2.7	98.13	1.71	0	0	0	0.09
2003	86	23	434	361.954	-361.713	D	7.311	7.311	0	2.7	104.08	0.24	0	0	0	0.07
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	949	365.722	-354.966	D	7.314	7.311	0.003	2.7	87.96	11.04	0	0	0	1.04
2003	89	23	251	360.173	-360.793	D	7.317	7.311	0.006	2.7	89.4	9.87	0	0	0	0.77
2003	90	23	763	365.51	-357.811	D	7.311	7.311	0	2.7	83.6	3.68	0	0	0	0.42
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	1038	356.511	-357.396	D	7.313	7.311	0.002	2.7	88.22	10.68	0	0	0	1.06
2003	96	23	947	365.801	-355.162	D	7.311	7.311	0.001	2.7	98.88	1.24	0	0	0	0.04
2003	97	23	405	361.161	-355.008	D	7.311	7.311	0	2.7	98.16	0.96	0	0	0	0.02
2003	98	23	822	358.021	-361.607	D	7.331	7.311	0.021	2.7	89.84	9.58	0	0	0	0.59
2003	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	101	23	1035	356.477	-356.792	D	7.311	7.311	0.001	2.7	99.8	0.3	0	0	0	0.11
2003	102	23	949	365.722	-354.966	D	7.314	7.311	0.003	2.7	99.86	0.09	0	0	0	0.11
2003	103	23	949	365.722	-354.966	D	7.313	7.311	0.003	2.7	99.94	0.05	0	0	0	0.1
2003	104	23	949	365.722	-354.966	D	7.311	7.311	0.001	2.7	100.16	0.06	0	0	0	0.08
2003	105	23	245	359.694	-355.571	D	7.311	7.311	0	2.7	85.11	0.01	0	0	0	0.05
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	7.327	7.311	0.017	2.7	98.66	1.15	0	0	0	0.21
2003	108	23	949	365.722	-354.966	D	7.326	7.311	0.015	2.7	98.95	0.93	0	0	0	0.13
2003	109	23	947	365.801	-355.162	D	7.311	7.311	0	2.7	99.9	0.09	0	0	0	0.06
2003	110	23	747	364.871	-354.594	D	7.311	7.311	0	2.7	97.63	2.34	0	0	0	0.15
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	822	358.021	-361.607	D	7.312	7.311	0.002	2.7	95.17	4.18	0	0	0	0.74
2003	113	23	1038	356.511	-357.396	D	7.313	7.311	0.002	2.7	99.21	0.65	0	0	0	0.13
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	822	358.021	-361.607	D	7.318	7.311	0.007	2.7	98.72	1.09	0	0	0	0.21
2003	116	23	845	360.851	-362.181	D	7.311	7.311	0	2.7	104.38	0.68	0	0	0	0.17
2003	117	23	1038	356.511	-357.396	D	7.312	7.311	0.001	2.7	99.95	0.07	0	0	0	0.09
2003	118	23	84	358.173	-354.889	D	7.311	7.311	0	2.7	100.2	0.03	0	0	0	0.07

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	119	23	618	363.371	-354.411	D	7.311	7.311	0	2.7	101.13	0.22	0	0	0	0.06
2003	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	94.86	0.06	0	0	0	0.05
2003	121	23	62	357.925	-354.901	D	7.581	7.581	0	3.275	99.11	0.21	0	0	0	0.09
2003	122	23	1007	358.259	-354.768	D	7.648	7.593	0.055	3.3	98.87	1.04	0	0	0	0.09
2003	123	23	832	359.493	-362.061	D	7.63	7.593	0.037	3.3	99.68	0.27	0	0	0	0.05
2003	124	23	1036	356.488	-356.993	D	7.605	7.593	0.013	3.3	99.88	0.09	0	0	0	0.03
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	42.13	0.17	0	0	0	0.02
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	1039	356.522	-357.599	D	7.628	7.593	0.036	3.3	99.21	0.66	0	0	0	0.13
2003	128	23	1039	356.522	-357.599	D	7.608	7.593	0.015	3.3	99.81	0.11	0	0	0	0.09
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	98.58	0.14	0	0	0	0.15
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	964	363.678	-354.148	D	7.594	7.593	0.001	3.3	99.64	0.25	0	0	0	0.13
2003	137	23	967	363.478	-354.116	D	7.6	7.593	0.007	3.3	99.88	0.08	0	0	0	0.05
2003	138	23	1035	356.477	-356.792	D	7.606	7.593	0.014	3.3	99.59	0.37	0	0	0	0.04
2003	139	23	1017	356.894	-355.206	D	7.596	7.593	0.003	3.3	99.67	0.31	0	0	0	0.04
2003	140	23	1017	356.894	-355.206	D	7.603	7.593	0.011	3.3	98.54	1.42	0	0	0	0.06
2003	141	23	407	361.716	-361.973	D	7.593	7.593	0	3.3	99.91	0.22	0	0	0	0.03
2003	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	143	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.94	0.04	0	0	0	0.09
2003	144	23	967	363.478	-354.116	D	7.601	7.593	0.008	3.3	99.59	0.35	0	0	0	0.08
2003	145	23	1035	356.477	-356.792	D	7.616	7.593	0.023	3.3	99.35	0.6	0	0	0	0.05
2003	146	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	99.88	0.09	0	0	0	0.04
2003	147	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	100	0.02	0	0	0	0.04
2003	148	23	949	365.722	-354.966	D	7.602	7.593	0.01	3.3	99.65	0.21	0	0	0	0.15
2003	149	23	822	358.021	-361.607	D	7.596	7.593	0.004	3.3	99.12	0.54	0	0	0	0.39
2003	150	23	822	358.021	-361.607	D	7.597	7.593	0.004	3.3	99.72	0.17	0	0	0	0.14
2003	151	23	933	366.169	-356.524	D	7.593	7.593	0	3.3	89.25	8.83	0	0	0	1.82
2003	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	153	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.84	0.15	0	0	0	0.06
2003	154	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	97.78	2.25	0	0	0	0.14
2003	155	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	99.97	0.17	0	0	0	0.06
2003	157	23	1035	356.477	-356.792	D	7.594	7.593	0.001	3.3	99.91	0.21	0	0	0	0.05

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	158	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.95	0.1	0	0	0	0.05
2003	159	23	329	360.972	-362.006	D	7.593	7.593	0	3.3	99.88	0.02	0	0	0	0.04
2003	160	23	619	363.872	-360.131	D	7.593	7.593	0	3.3	92.67	0.01	0	0	0	0.04
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	98.68	1.17	0	0	0	0.06
2003	164	23	1037	356.5	-357.195	D	7.593	7.593	0.001	3.3	99.76	0.11	0	0	0	0.06
2003	165	23	643	363.609	-354.151	D	7.594	7.593	0.002	3.3	99.77	0.21	0	0	0	0.04
2003	166	23	858	362.053	-361.709	D	7.593	7.593	0.001	3.3	99.86	0.13	0	0	0	0.04
2003	167	23	356	361.22	-361.995	D	7.593	7.593	0	3.3	99.88	0.06	0	0	0	0.04
2003	168	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	99.49	0.15	0	0	0	0.03
2003	169	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	170	23	1017	356.894	-355.206	D	7.604	7.593	0.012	3.3	99.87	0.03	0	0	0	0.1
2003	171	23	1035	356.477	-356.792	D	7.602	7.593	0.01	3.3	99.86	0.08	0	0	0	0.08
2003	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	191	359.732	-362.061	D	7.599	7.593	0.006	3.3	94.92	4.81	0	0	0	0.27
2003	178	23	1035	356.477	-356.792	D	7.604	7.593	0.011	3.3	99.45	0.29	0	0	0	0.27
2003	179	23	1039	356.522	-357.599	D	7.604	7.593	0.012	3.3	99.84	0.05	0	0	0	0.11
2003	180	23	966	363.538	-354.124	D	7.594	7.593	0.001	3.3	99.86	0.01	0	0	0	0.08
2003	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	183	23	406	361.15	-354.758	D	7.593	7.593	0	3.3	98.64	0.11	0	0	0	0.05
2003	184	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	98.96	0.03	0	0	0	0.04
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	966	363.538	-354.124	D	7.595	7.593	0.002	3.3	99.63	0.06	0	0	0	0.31
2003	193	23	853	361.666	-362.175	D	7.597	7.593	0.004	3.3	99.81	0.15	0	0	0	0.09
2003	194	23	1007	358.259	-354.768	D	7.594	7.593	0.001	3.3	99.89	0.06	0	0	0	0.09
2003	195	23	930	366.19	-357.232	D	7.595	7.593	0.003	3.3	99.77	0.15	0	0	0	0.06
2003	196	23	789	365.918	-355.796	D	7.593	7.593	0	3.3	99.84	0.01	0	0	0	0.05

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	197	23	949	365.722	-354.966	D	7.605	7.593	0.013	3.3	99.87	0.03	0	0	0	0.1
2003	198	23	933	366.169	-356.524	D	7.595	7.593	0.003	3.3	99.97	0.01	0	0	0	0.07
2003	199	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	100.01	0	0	0	0	0.05
2003	200	23	569	362.875	-354.433	D	7.593	7.593	0	3.3	99.94	0.03	0	0	0	0.05
2003	201	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	99.79	0.02	0	0	0	0.06
2003	202	23	964	363.678	-354.148	D	7.595	7.593	0.002	3.3	99.84	0.03	0	0	0	0.13
2003	203	23	822	358.021	-361.607	D	7.597	7.593	0.004	3.3	99.85	0.03	0	0	0	0.13
2003	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	949	365.722	-354.966	D	7.596	7.593	0.004	3.3	99.8	0.14	0	0	0	0.07
2003	211	23	949	365.722	-354.966	D	7.604	7.593	0.011	3.3	99.82	0.13	0	0	0	0.05
2003	212	23	1039	356.522	-357.599	D	7.603	7.593	0.01	3.3	99.91	0.03	0	0	0	0.07
2003	213	23	929	366.032	-357.239	D	7.604	7.593	0.011	3.3	99.86	0.07	0	0	0	0.06
2003	214	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.91	0.01	0	0	0	0.04
2003	215	23	1017	356.894	-355.206	D	7.606	7.593	0.013	3.3	99.84	0.05	0	0	0	0.11
2003	216	23	949	365.722	-354.966	D	7.621	7.593	0.028	3.3	99.75	0.16	0	0	0	0.09
2003	217	23	949	365.722	-354.966	D	7.594	7.593	0.002	3.3	99.85	0.08	0	0	0	0.08
2003	218	23	1017	356.894	-355.206	D	7.6	7.593	0.007	3.3	99.88	0.07	0	0	0	0.07
2003	219	23	822	358.021	-361.607	D	7.609	7.593	0.016	3.3	99.88	0.06	0	0	0	0.06
2003	220	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	100.06	0	0	0	0	0.05
2003	221	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	99.82	0	0	0	0	0.04
2003	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	99.99	0.01	0	0	0	0.1
2003	231	23	933	366.169	-356.524	D	7.597	7.593	0.005	3.3	99.89	0.03	0	0	0	0.07
2003	232	23	930	366.19	-357.232	D	7.6	7.593	0.007	3.3	99.91	0.05	0	0	0	0.06
2003	233	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.9	0.07	0	0	0	0.05
2003	234	23	930	366.19	-357.232	D	7.601	7.593	0.009	3.3	99.88	0.03	0	0	0	0.11
2003	235	23	853	361.666	-362.175	D	7.6	7.593	0.007	3.3	99.91	0.02	0	0	0	0.08

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	236	23	822	358.021	-361.607	D	7.596	7.593	0.003	3.3	99.94	0.02	0	0	0	0.06
2003	237	23	1	356.546	-357.458	D	7.598	7.593	0.005	3.3	99.91	0.02	0	0	0	0.06
2003	238	23	747	364.871	-354.594	D	7.595	7.593	0.002	3.3	99.9	0.01	0	0	0	0.05
2003	239	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	100.04	0.02	0	0	0	0.04
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	100.21	0.03	0	0	0	0.04
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	961	364.092	-354.289	D	7.593	7.593	0	3.3	98.73	0.26	0	0	0	0.06
2003	243	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.71	0.36	0	0	0	0.04
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	247	23	1035	356.477	-356.792	D	7.647	7.639	0.008	3.4	99.46	0.45	0	0	0	0.1
2003	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	822	358.021	-361.607	D	7.646	7.639	0.007	3.4	96.64	2.97	0	0	0	0.39
2003	258	23	822	358.021	-361.607	D	7.649	7.639	0.01	3.4	99.35	0.42	0	0	0	0.24
2003	259	23	1038	356.511	-357.396	D	7.652	7.639	0.013	3.4	99.72	0.16	0	0	0	0.12
2003	260	23	967	363.478	-354.116	D	7.639	7.639	0	3.4	99.64	0.07	0	0	0	0.09
2003	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	262	23	1017	356.894	-355.206	D	7.642	7.639	0.003	3.4	95.49	4.21	0	0	0	0.29
2003	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	264	23	822	358.021	-361.607	D	7.641	7.639	0.002	3.4	99.97	0.04	0	0	0	0.04
2003	265	23	783	365.659	-355.558	D	7.642	7.639	0.003	3.4	99.61	0.34	0	0	0	0.03
2003	266	23	811	357.434	-360.225	D	7.64	7.639	0.001	3.4	96.68	2.46	0	0	0	0.83
2003	267	23	906	364.982	-359.812	D	7.639	7.639	0	3.4	99.63	0.16	0	0	0	0.13
2003	268	23	822	358.021	-361.607	D	7.641	7.639	0.002	3.4	99.03	0.79	0	0	0	0.22
2003	269	23	853	361.666	-362.175	D	7.644	7.639	0.005	3.4	99.74	0.2	0	0	0	0.09
2003	270	23	964	363.678	-354.148	D	7.641	7.639	0.002	3.4	98.09	1.57	0	0	0	0.31
2003	271	23	785	365.637	-355.06	D	7.641	7.639	0.002	3.4	98.25	1.2	0	0	0	0.52
2003	272	23	949	365.722	-354.966	D	7.64	7.639	0.001	3.4	98.32	1.25	0	0	0	0.42
2003	273	23	964	363.678	-354.148	D	7.649	7.639	0.01	3.4	97.87	2	0	0	0	0.13
2003	274	23	949	365.722	-354.966	D	7.52	7.505	0.015	3.112	98.38	1.53	0	0	0	0.1

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	275	23	906	364.982	-359.812	D	7.509	7.5	0.01	3.1	98.93	0.91	0	0	0	0.17
2003	276	23	1017	356.894	-355.206	D	7.507	7.5	0.007	3.1	99.45	0.48	0	0	0	0.1
2003	277	23	907	365.051	-359.809	D	7.511	7.5	0.011	3.1	96.13	3.37	0	0	0	0.51
2003	278	23	853	361.666	-362.175	D	7.501	7.5	0.001	3.1	99.46	0.45	0	0	0	0.16
2003	279	23	1016	357.1	-355.198	D	7.501	7.5	0.001	3.1	99.45	0.51	0	0	0	0.1
2003	280	23	949	365.722	-354.966	D	7.501	7.5	0.002	3.1	99.89	0.12	0	0	0	0.08
2003	281	23	972	362.744	-354.242	D	7.5	7.5	0.001	3.1	99.78	0.12	0	0	0	0.06
2003	282	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	99.6	0.06	0	0	0	0.06
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	27	357.451	-355.421	D	7.501	7.5	0.002	3.1	96.22	3.33	0	0	0	0.45
2003	286	23	822	358.021	-361.607	D	7.502	7.5	0.002	3.1	99.86	0.09	0	0	0	0.11
2003	287	23	822	358.021	-361.607	D	7.504	7.5	0.005	3.1	97.18	2.67	0	0	0	0.16
2003	288	23	380	361.468	-361.984	D	7.507	7.5	0.007	3.1	97	2.48	0	0	0	0.54
2003	289	23	907	365.051	-359.809	D	7.502	7.5	0.002	3.1	99.59	0.26	0	0	0	0.15
2003	290	23	933	366.169	-356.524	D	7.502	7.5	0.002	3.1	98.04	1.89	0	0	0	0.06
2003	291	23	84	358.173	-354.889	D	7.5	7.5	0	3.1	100.18	0.23	0	0	0	0.11
2003	292	23	730	364.623	-354.605	D	7.5	7.5	0	3.1	99.92	0.19	0	0	0	0.1
2003	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	294	23	822	358.021	-361.607	D	7.504	7.5	0.004	3.1	98.44	0.89	0	0	0	0.68
2003	295	23	822	358.021	-361.607	D	7.532	7.5	0.032	3.1	98.83	0.8	0	0	0	0.37
2003	296	23	949	365.722	-354.966	D	7.508	7.5	0.009	3.1	99.54	0.15	0	0	0	0.33
2003	297	23	907	365.051	-359.809	D	7.512	7.5	0.012	3.1	99.42	0.39	0	0	0	0.2
2003	298	23	1039	356.522	-357.599	D	7.511	7.5	0.012	3.1	98.39	1.45	0	0	0	0.16
2003	299	23	1039	356.522	-357.599	D	7.503	7.5	0.004	3.1	87.48	11.81	0	0	0	0.7
2003	300	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	96.83	2.94	0	0	0	0.23
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	7.501	7.5	0.002	3.1	98.83	0.93	0	0	0	0.28
2003	305	23	1017	356.894	-355.206	D	7.519	7.5	0.019	3.1	97.65	2.21	0	0	0	0.16
2003	306	23	1017	356.894	-355.206	D	7.5	7.5	0	3.1	98.77	1.01	0	0	0	0.11
2003	307	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	98.12	1.61	0	0	0	0.06
2003	308	23	1017	356.894	-355.206	D	7.504	7.5	0.004	3.1	98.92	1.03	0	0	0	0.07
2003	309	23	853	361.666	-362.175	D	7.553	7.5	0.053	3.1	98.16	1.75	0	0	0	0.1
2003	310	23	853	361.666	-362.175	D	7.536	7.5	0.036	3.1	98.55	1.4	0	0	0	0.05
2003	311	23	191	359.732	-362.061	D	7.5	7.5	0.001	3.1	99.21	0.8	0	0	0	0.03
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	949	365.722	-354.966	D	7.5	7.5	0	3.1	98.08	1.08	0	0	0	0.96
2003	317	23	1035	356.477	-356.792	D	7.503	7.5	0.003	3.1	93.04	6.24	0	0	0	0.77
2003	318	23	1017	356.894	-355.206	D	7.51	7.5	0.01	3.1	94.42	5.17	0	0	0	0.41
2003	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1035	356.477	-356.792	D	7.501	7.5	0.001	3.1	96.99	2.97	0	0	0	0.08
2003	323	23	824	358.459	-361.601	D	7.503	7.5	0.003	3.1	86.52	12.21	0	0	0	1.3
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1010	357.824	-354.865	D	7.504	7.5	0.004	3.1	96.03	3.9	0	0	0	0.09
2003	328	23	773	365.4	-355.32	D	7.5	7.5	0	3.1	95.41	2.14	0	0	0	0.02
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	3	356.524	-356.959	D	7.501	7.5	0.001	3.1	96.17	3.69	0	0	0	0.21
2003	332	23	824	358.459	-361.601	D	7.502	7.5	0.003	3.1	78.2	20.07	0	0	0	1.75
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	1039	356.522	-357.599	D	7.591	7.589	0.002	3.292	93.95	5.5	0	0	0	0.52
2003	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	1017	356.894	-355.206	D	7.61	7.593	0.018	3.3	94.72	5.09	0	0	0	0.19
2003	339	23	900	364.265	-360.243	D	7.613	7.593	0.02	3.3	95.83	3.96	0	0	0	0.21
2003	340	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	95.71	3.98	0	0	0	0.32
2003	341	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	949	365.722	-354.966	D	7.595	7.593	0.003	3.3	95.43	4.22	0	0	0	0.32
2003	345	23	907	365.051	-359.809	D	7.601	7.593	0.008	3.3	87.62	11.56	0	0	0	0.82
2003	346	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	92.53	7.25	0	0	0	0.22
2003	347	23	3	356.524	-356.959	D	7.593	7.593	0	3.3	94.94	4.54	0	0	0	0.12
2003	348	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	129.29	5.79	0	0	0	0.69

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	353	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	95.33	4.54	0	0	0	0.35
2003	354	23	949	365.722	-354.966	D	7.603	7.593	0.011	3.3	90.88	8.68	0	0	0	0.44
2003	355	23	930	366.19	-357.232	D	7.594	7.593	0.002	3.3	96.17	3.68	0	0	0	0.14
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	1010	357.824	-354.865	D	7.614	7.593	0.021	3.3	96.65	3.17	0	0	0	0.18
2003	358	23	846	360.93	-362.178	D	7.621	7.593	0.028	3.3	96.18	3.64	0	0	0	0.18
2003	359	23	853	361.666	-362.175	D	7.598	7.593	0.006	3.3	96.5	3.35	0	0	0	0.16
2003	360	23	964	363.678	-354.148	D	7.597	7.593	0.005	3.3	96.92	2.99	0	0	0	0.1
2003	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.056							
UMC											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	911	365.032	-358.843	D	7.563	7.546	0.017	3.2	73.2	26.7	0	0	0	0.11
2003	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	7	23	930	366.19	-357.232	D	7.548	7.546	0.001	3.2	92.17	7.83	0	0	0	0.02
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	930	366.19	-357.232	D	7.605	7.546	0.058	3.2	91.13	8.79	0	0	0	0.09
2003	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	7.548	7.546	0.002	3.2	86.22	13.83	0	0	0	0.04
2003	13	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	88.16	12.13	0	0	0	0.02
2003	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	15	23	930	366.19	-357.232	D	7.561	7.546	0.015	3.2	80.72	19.23	0	0	0	0.04
2003	16	23	1037	356.5	-357.195	D	7.642	7.546	0.096	3.2	89.24	10.74	0	0	0	0.02
2003	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	930	366.19	-357.232	D	7.573	7.546	0.027	3.2	86.53	13.46	0	0	0	0.02

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	22	23	949	365.722	-354.966	D	7.609	7.546	0.063	3.2	82.67	17.27	0	0	0	0.06
2003	23	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	91.38	8.58	0	0	0	0.02
2003	24	23	930	366.19	-357.232	D	7.548	7.546	0.002	3.2	89.58	10.55	0	0	0	0.02
2003	25	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	90.65	9.38	0	0	0	0.01
2003	26	23	906	364.982	-359.812	D	7.546	7.546	0	3.2	92.98	6.8	0	0	0	0.01
2003	27	23	930	366.19	-357.232	D	7.558	7.546	0.012	3.2	86.1	13.88	0	0	0	0.03
2003	28	23	907	365.051	-359.809	D	7.547	7.546	0	3.2	91.16	8.81	0	0	0	0.01
2003	29	23	930	366.19	-357.232	D	7.605	7.546	0.059	3.2	75.2	24.71	0	0	0	0.08
2003	30	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	97.72	4.01	0	0	0	0.01
2003	31	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	94.79	5.52	0	0	0	0.01
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	643	363.609	-354.151	D	7.406	7.406	0	2.9	116.41	5.83	0	0	0	0.02
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	941	365.977	-355.774	D	7.407	7.406	0.002	2.9	81.68	18.34	0	0	0	0.07
2003	37	23	1008	358.048	-354.775	D	7.471	7.406	0.066	2.9	90.22	9.77	0	0	0	0.02
2003	38	23	1035	356.477	-356.792	D	7.648	7.406	0.242	2.9	93.23	6.75	0	0	0	0.01
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	44	23	907	365.051	-359.809	D	7.407	7.406	0.001	2.9	89.19	10.96	0	0	0	0.03
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1037	356.5	-357.195	D	7.561	7.406	0.155	2.9	92.04	7.93	0	0	0	0.03
2003	48	23	811	357.434	-360.225	D	7.587	7.406	0.182	2.9	85.85	14.11	0	0	0	0.04
2003	49	23	930	366.19	-357.232	D	7.491	7.406	0.085	2.9	91.26	8.72	0	0	0	0.02
2003	50	23	949	365.722	-354.966	D	7.504	7.406	0.099	2.9	96.43	3.57	0	0	0	0.01
2003	51	23	1017	356.894	-355.206	D	7.593	7.406	0.187	2.9	92.59	7.4	0	0	0	0.01
2003	52	23	1017	356.894	-355.206	D	7.411	7.406	0.005	2.9	96.76	3.29	0	0	0	0.01
2003	53	23	1018	356.892	-355.39	D	7.494	7.406	0.088	2.9	89.95	10.02	0	0	0	0.03
2003	54	23	822	358.021	-361.607	D	7.481	7.406	0.075	2.9	86.43	13.54	0	0	0	0.03
2003	55	23	822	358.021	-361.607	D	7.473	7.406	0.067	2.9	90.47	9.52	0	0	0	0.02
2003	56	23	78	358.239	-356.385	D	7.484	7.406	0.079	2.9	74.19	25.71	0	0	0	0.1
2003	57	23	822	358.021	-361.607	D	7.473	7.406	0.067	2.9	92.62	7.37	0	0	0	0.01
2003	58	23	811	357.434	-360.225	D	7.442	7.406	0.036	2.9	94.78	5.22	0	0	0	0.01
2003	59	23	1017	356.894	-355.206	D	7.46	7.406	0.055	2.9	95.22	4.78	0	0	0	0.01
2003	60	23	1008	358.048	-354.775	D	7.434	7.315	0.119	2.708	95.81	4.18	0	0	0	0.01

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	61	23	949	365.722	-354.966	D	7.493	7.311	0.182	2.7	96.48	3.52	0	0	0	0.01
2003	62	23	907	365.051	-359.809	D	7.325	7.311	0.015	2.7	97.61	2.39	0	0	0	0.01
2003	63	23	930	366.19	-357.232	D	7.332	7.311	0.022	2.7	97.69	2.31	0	0	0	0.01
2003	64	23	933	366.169	-356.524	D	7.447	7.311	0.136	2.7	93.44	6.54	0	0	0	0.01
2003	65	23	949	365.722	-354.966	D	7.444	7.311	0.134	2.7	92.48	7.5	0	0	0	0.02
2003	66	23	930	366.19	-357.232	D	7.35	7.311	0.04	2.7	93.87	6.12	0	0	0	0.02
2003	67	23	930	366.19	-357.232	D	7.32	7.311	0.009	2.7	98.52	1.48	0	0	0	0.01
2003	68	23	930	366.19	-357.232	D	7.45	7.311	0.139	2.7	77.25	22.65	0	0	0	0.1
2003	69	23	832	359.493	-362.061	D	7.515	7.311	0.204	2.7	84.52	15.44	0	0	0	0.05
2003	70	23	811	357.434	-360.225	D	7.458	7.311	0.147	2.7	94.21	5.77	0	0	0	0.02
2003	71	23	949	365.722	-354.966	D	7.324	7.311	0.014	2.7	97.96	2.03	0	0	0	0.01
2003	72	23	933	366.169	-356.524	D	7.404	7.311	0.093	2.7	98.22	1.76	0	0	0	0.02
2003	73	23	822	358.021	-361.607	D	7.34	7.311	0.029	2.7	97.95	2.04	0	0	0	0.02
2003	74	23	1039	356.522	-357.599	D	7.357	7.311	0.047	2.7	98.88	1.11	0	0	0	0.01
2003	75	23	1017	356.894	-355.206	D	7.323	7.311	0.013	2.7	99.58	0.43	0	0	0	0.01
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	822	358.021	-361.607	D	7.422	7.311	0.112	2.7	95.3	4.69	0	0	0	0.02
2003	80	23	907	365.051	-359.809	D	7.395	7.311	0.084	2.7	94.34	5.64	0	0	0	0.02
2003	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	949	365.722	-354.966	D	7.337	7.311	0.026	2.7	93.31	6.66	0	0	0	0.04
2003	85	23	1017	356.894	-355.206	D	7.331	7.311	0.02	2.7	79.43	20.5	0	0	0	0.07
2003	86	23	931	366.183	-356.996	D	7.313	7.311	0.002	2.7	99.61	0.44	0	0	0	0.01
2003	87	23	747	364.871	-354.594	D	7.311	7.311	0	2.7	99.44	0.19	0	0	0	0.01
2003	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	96	23	949	365.722	-354.966	D	7.344	7.311	0.033	2.7	94.06	5.94	0	0	0	0.01
2003	97	23	1003	359.099	-354.737	D	7.311	7.311	0	2.7	97.26	2.71	0	0	0	0
2003	98	23	949	365.722	-354.966	D	7.347	7.311	0.036	2.7	95.35	4.65	0	0	0	0.01
2003	99	23	955	364.92	-354.582	D	7.418	7.311	0.107	2.7	93.62	6.35	0	0	0	0.04

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	100	23	900	364.265	-360.243	D	7.429	7.311	0.118	2.7	94.02	5.94	0	0	0	0.04
2003	101	23	955	364.92	-354.582	D	7.387	7.311	0.076	2.7	98.62	1.36	0	0	0	0.02
2003	102	23	933	366.169	-356.524	D	7.409	7.311	0.098	2.7	99.5	0.48	0	0	0	0.02
2003	103	23	930	366.19	-357.232	D	7.314	7.311	0.003	2.7	99.93	0.12	0	0	0	0.01
2003	104	23	930	366.19	-357.232	D	7.311	7.311	0.001	2.7	99.78	0.27	0	0	0	0.01
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	7.334	7.311	0.023	2.7	93.98	6.01	0	0	0	0.01
2003	108	23	947	365.801	-355.162	D	7.313	7.311	0.002	2.7	100	0.07	0	0	0	0.01
2003	109	23	948	365.727	-355.056	D	7.311	7.311	0	2.7	99.69	0.13	0	0	0	0.01
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	955	364.92	-354.582	D	7.336	7.311	0.026	2.7	93.37	6.56	0	0	0	0.09
2003	113	23	1017	356.894	-355.206	D	7.319	7.311	0.009	2.7	98.85	1.15	0	0	0	0.03
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	966	363.538	-354.124	D	7.351	7.311	0.04	2.7	96.32	3.65	0	0	0	0.03
2003	116	23	947	365.801	-355.162	D	7.419	7.311	0.109	2.7	94.3	5.67	0	0	0	0.03
2003	117	23	811	357.434	-360.225	D	7.321	7.311	0.01	2.7	99.36	0.62	0	0	0	0.01
2003	118	23	947	365.801	-355.162	D	7.315	7.311	0.005	2.7	99.85	0.16	0	0	0	0.01
2003	119	23	643	363.609	-354.151	D	7.311	7.311	0	2.7	99.54	0.66	0	0	0	0.01
2003	120	23	569	362.875	-354.433	D	7.311	7.311	0	2.7	99.1	0.18	0	0	0	0.01
2003	121	23	1007	358.259	-354.768	D	7.582	7.581	0.001	3.275	99.38	0.48	0	0	0	0.01
2003	122	23	949	365.722	-354.966	D	7.891	7.593	0.298	3.3	99.03	0.95	0	0	0	0.02
2003	123	23	1017	356.894	-355.206	D	8.185	7.593	**0.593**	3.3	98.06	1.93	0	0	0	0.01
2003	124	23	930	366.19	-357.232	D	7.645	7.593	0.052	3.3	99.62	0.38	0	0	0	0.01
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	967	363.478	-354.116	D	7.67	7.593	0.077	3.3	98.84	1.14	0	0	0	0.01
2003	128	23	949	365.722	-354.966	D	7.616	7.593	0.023	3.3	99.77	0.22	0	0	0	0.01
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	137	23	964	363.678	-354.148	D	7.603	7.593	0.011	3.3	99.85	0.15	0	0	0	0.01
2003	138	23	1035	356.477	-356.792	D	7.649	7.593	0.057	3.3	98.97	1.03	0	0	0	0.01

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	139	23	1017	356.894	-355.206	D	7.609	7.593	0.017	3.3	99.36	0.64	0	0	0	0.01
2003	140	23	930	366.19	-357.232	D	7.831	7.593	0.238	3.3	94.77	5.21	0	0	0	0.02
2003	141	23	930	366.19	-357.232	D	7.649	7.593	0.056	3.3	98.65	1.32	0	0	0	0.03
2003	142	23	1017	356.894	-355.206	D	7.717	7.593	0.125	3.3	99.47	0.51	0	0	0	0.02
2003	143	23	1017	356.894	-355.206	D	7.857	7.593	0.265	3.3	99.74	0.25	0	0	0	0.02
2003	144	23	967	363.478	-354.116	D	8.006	7.593	0.414	3.3	99.63	0.36	0	0	0	0.01
2003	145	23	1017	356.894	-355.206	D	8.029	7.593	0.436	3.3	98.94	1.06	0	0	0	0.01
2003	146	23	822	358.021	-361.607	D	7.759	7.593	0.166	3.3	99.6	0.4	0	0	0	0.01
2003	147	23	1017	356.894	-355.206	D	7.621	7.593	0.028	3.3	99.51	0.47	0	0	0	0.02
2003	148	23	822	358.021	-361.607	D	7.625	7.593	0.033	3.3	99.85	0.15	0	0	0	0.01
2003	149	23	853	361.666	-362.175	D	7.594	7.593	0.002	3.3	100.01	0.03	0	0	0	0.01
2003	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	151	23	949	365.722	-354.966	D	7.604	7.593	0.011	3.3	99.85	0.13	0	0	0	0.02
2003	152	23	1038	356.511	-357.396	D	7.621	7.593	0.028	3.3	99.58	0.4	0	0	0	0.02
2003	153	23	1035	356.477	-356.792	D	7.607	7.593	0.014	3.3	99.31	0.7	0	0	0	0.01
2003	154	23	949	365.722	-354.966	D	7.736	7.593	0.144	3.3	95.32	4.67	0	0	0	0.01
2003	155	23	930	366.19	-357.232	D	7.608	7.593	0.015	3.3	95.33	4.66	0	0	0	0.02
2003	156	23	853	361.666	-362.175	D	7.647	7.593	0.055	3.3	99.88	0.11	0	0	0	0.01
2003	157	23	949	365.722	-354.966	D	7.718	7.593	0.125	3.3	99.32	0.67	0	0	0	0.01
2003	158	23	822	358.021	-361.607	D	7.594	7.593	0.001	3.3	99.8	0.26	0	0	0	0
2003	159	23	709	364.375	-354.616	D	7.593	7.593	0	3.3	99.52	0.05	0	0	0	0
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	164	23	1017	356.894	-355.206	D	7.594	7.593	0.002	3.3	99.94	0.05	0	0	0	0.01
2003	165	23	949	365.722	-354.966	D	8.096	7.593	**0.503**	3.3	97.1	2.89	0	0	0	0.01
2003	166	23	853	361.666	-362.175	D	7.755	7.593	0.163	3.3	99.52	0.47	0	0	0	0.01
2003	167	23	853	361.666	-362.175	D	7.665	7.593	0.072	3.3	99.73	0.26	0	0	0	0.01
2003	168	23	832	359.493	-362.061	D	7.638	7.593	0.045	3.3	99.52	0.48	0	0	0	0
2003	169	23	822	358.021	-361.607	D	7.603	7.593	0.011	3.3	99.8	0.2	0	0	0	0
2003	170	23	1035	356.477	-356.792	D	7.684	7.593	0.092	3.3	99.88	0.11	0	0	0	0.01
2003	171	23	853	361.666	-362.175	D	7.869	7.593	0.276	3.3	97.88	2.11	0	0	0	0.01
2003	172	23	1039	356.522	-357.599	D	7.617	7.593	0.024	3.3	99.82	0.17	0	0	0	0.01
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	178	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.76	0.04	0	0	0	0.02
2003	179	23	907	365.051	-359.809	D	7.601	7.593	0.008	3.3	99.87	0.12	0	0	0	0.01
2003	180	23	1017	356.894	-355.206	D	7.606	7.593	0.013	3.3	99.94	0.05	0	0	0	0.01
2003	181	23	1017	356.894	-355.206	D	7.605	7.593	0.012	3.3	99.87	0.12	0	0	0	0.01
2003	182	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	100.29	0.17	0	0	0	0.01
2003	183	23	747	364.871	-354.594	D	7.594	7.593	0.001	3.3	99.91	0.16	0	0	0	0.01
2003	184	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	99.82	0.07	0	0	0	0.01
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	194	23	949	365.722	-354.966	D	7.604	7.593	0.012	3.3	99.96	0.02	0	0	0	0.01
2003	195	23	949	365.722	-354.966	D	7.647	7.593	0.054	3.3	99.79	0.2	0	0	0	0.01
2003	196	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	99.94	0.02	0	0	0	0.01
2003	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	198	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	100.02	0.04	0	0	0	0.01
2003	199	23	923	365.573	-357.889	D	7.593	7.593	0	3.3	99.74	0.03	0	0	0	0.01
2003	200	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.96	0.03	0	0	0	0.01
2003	201	23	941	365.977	-355.774	D	7.593	7.593	0	3.3	99.9	0.14	0	0	0	0.01
2003	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	204	23	1017	356.894	-355.206	D	7.681	7.593	0.088	3.3	99.55	0.42	0	0	0	0.03
2003	205	23	1035	356.477	-356.792	D	7.818	7.593	0.225	3.3	99.86	0.12	0	0	0	0.02
2003	206	23	1017	356.894	-355.206	D	7.665	7.593	0.073	3.3	99.84	0.15	0	0	0	0.01
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	933	366.169	-356.524	D	7.679	7.593	0.086	3.3	97.21	2.78	0	0	0	0.01
2003	211	23	930	366.19	-357.232	D	7.748	7.593	0.155	3.3	99.24	0.75	0	0	0	0.01
2003	212	23	930	366.19	-357.232	D	7.695	7.593	0.103	3.3	99.62	0.38	0	0	0	0.01
2003	213	23	907	365.051	-359.809	D	7.629	7.593	0.036	3.3	99.85	0.14	0	0	0	0.01
2003	214	23	930	366.19	-357.232	D	7.605	7.593	0.012	3.3	99.98	0.03	0	0	0	0.01
2003	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	218	23	1035	356.477	-356.792	D	7.671	7.593	0.078	3.3	99.88	0.11	0	0	0	0.01
2003	219	23	1035	356.477	-356.792	D	7.779	7.593	0.186	3.3	97.49	2.49	0	0	0	0.03
2003	220	23	853	361.666	-362.175	D	7.862	7.593	0.269	3.3	99.71	0.28	0	0	0	0.02
2003	221	23	1035	356.477	-356.792	D	7.707	7.593	0.115	3.3	99.65	0.32	0	0	0	0.02
2003	222	23	1039	356.522	-357.599	D	7.735	7.593	0.143	3.3	99.67	0.3	0	0	0	0.02
2003	223	23	822	358.021	-361.607	D	7.611	7.593	0.019	3.3	99.86	0.14	0	0	0	0.01
2003	224	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	99.74	0.27	0	0	0	0.01
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.98	0.02	0	0	0	0.02
2003	231	23	930	366.19	-357.232	D	7.631	7.593	0.038	3.3	99.91	0.09	0	0	0	0.01
2003	232	23	907	365.051	-359.809	D	7.624	7.593	0.032	3.3	99.88	0.12	0	0	0	0.01
2003	233	23	907	365.051	-359.809	D	7.621	7.593	0.028	3.3	99.86	0.14	0	0	0	0.01
2003	234	23	930	366.19	-357.232	D	7.623	7.593	0.03	3.3	99.94	0.06	0	0	0	0.01
2003	235	23	930	366.19	-357.232	D	7.729	7.593	0.137	3.3	99.89	0.1	0	0	0	0.01
2003	236	23	822	358.021	-361.607	D	7.731	7.593	0.138	3.3	99.55	0.44	0	0	0	0.01
2003	237	23	1035	356.477	-356.792	D	7.746	7.593	0.153	3.3	99.93	0.06	0	0	0	0.01
2003	238	23	967	363.478	-354.116	D	7.619	7.593	0.026	3.3	99.98	0.01	0	0	0	0.01
2003	239	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	100.01	0.02	0	0	0	0.01
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.57	0.21	0	0	0	0.01
2003	243	23	967	363.478	-354.116	D	7.594	7.593	0.002	3.3	98.94	1.04	0	0	0	0.01
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1017	356.894	-355.206	D	7.7	7.639	0.061	3.4	99.75	0.24	0	0	0	0.01
2003	246	23	1039	356.522	-357.599	D	7.771	7.639	0.132	3.4	98.87	1.12	0	0	0	0.01
2003	247	23	931	366.183	-356.996	D	7.913	7.639	0.274	3.4	97.59	2.38	0	0	0	0.02
2003	248	23	1017	356.894	-355.206	D	7.789	7.639	0.151	3.4	98.53	1.43	0	0	0	0.04
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	78	358.239	-356.385	D	7.845	7.639	0.206	3.4	95.95	4.04	0	0	0	0.01
2003	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	259	23	930	366.19	-357.232	D	7.645	7.639	0.006	3.4	99.9	0.1	0	0	0	0.02
2003	260	23	933	366.169	-356.524	D	7.68	7.639	0.041	3.4	99.64	0.35	0	0	0	0.01
2003	261	23	643	363.609	-354.151	D	7.641	7.639	0.002	3.4	99.88	0.12	0	0	0	0.01
2003	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	263	23	933	366.169	-356.524	D	7.742	7.639	0.103	3.4	99.18	0.8	0	0	0	0.02
2003	264	23	1017	356.894	-355.206	D	7.74	7.639	0.101	3.4	99.78	0.21	0	0	0	0.01
2003	265	23	949	365.722	-354.966	D	7.666	7.639	0.027	3.4	98.95	1.05	0	0	0	0
2003	266	23	907	365.051	-359.809	D	7.639	7.639	0	3.4	99.84	0.07	0	0	0	0
2003	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	268	23	1017	356.894	-355.206	D	7.659	7.639	0.02	3.4	94.86	4.9	0	0	0	0.24
2003	269	23	907	365.051	-359.809	D	7.661	7.639	0.022	3.4	99.12	0.87	0	0	0	0.01
2003	270	23	930	366.19	-357.232	D	7.642	7.639	0.003	3.4	89.87	9.93	0	0	0	0.17
2003	271	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	272	23	779	365.703	-356.555	D	7.765	7.639	0.126	3.4	82.48	17.39	0	0	0	0.13
2003	273	23	853	361.666	-362.175	D	7.66	7.639	0.022	3.4	98.43	1.55	0	0	0	0.02
2003	274	23	966	363.538	-354.124	D	7.557	7.505	0.052	3.112	93.56	6.43	0	0	0	0.02
2003	275	23	78	358.239	-356.385	D	7.505	7.5	0.005	3.1	82.49	17.39	0	0	0	0.12
2003	276	23	832	359.493	-362.061	D	7.518	7.5	0.019	3.1	98.41	1.59	0	0	0	0.02
2003	277	23	907	365.051	-359.809	D	7.502	7.5	0.003	3.1	99.69	0.29	0	0	0	0.01
2003	278	23	930	366.19	-357.232	D	7.511	7.5	0.011	3.1	99.54	0.45	0	0	0	0.02
2003	279	23	930	366.19	-357.232	D	7.571	7.5	0.071	3.1	98.66	1.33	0	0	0	0.01
2003	280	23	811	357.434	-360.225	D	7.552	7.5	0.052	3.1	99.58	0.41	0	0	0	0.01
2003	281	23	1017	356.894	-355.206	D	7.512	7.5	0.013	3.1	99.73	0.27	0	0	0	0.01
2003	282	23	1016	357.1	-355.198	D	7.501	7.5	0.002	3.1	99.78	0.25	0	0	0	0.01
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	98.1	0.76	0	0	0	0.01
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	838	360.316	-362.005	D	7.595	7.5	0.095	3.1	99.19	0.77	0	0	0	0.04
2003	286	23	1039	356.522	-357.599	D	7.578	7.5	0.079	3.1	99.37	0.61	0	0	0	0.02
2003	287	23	947	365.801	-355.162	D	7.519	7.5	0.02	3.1	97.43	2.57	0	0	0	0.01
2003	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	290	23	949	365.722	-354.966	D	7.509	7.5	0.01	3.1	95.79	4.22	0	0	0	0.01
2003	291	23	1017	356.894	-355.206	D	7.559	7.5	0.059	3.1	98.56	1.42	0	0	0	0.02
2003	292	23	853	361.666	-362.175	D	7.527	7.5	0.027	3.1	99.74	0.25	0	0	0	0.02
2003	293	23	853	361.666	-362.175	D	7.504	7.5	0.004	3.1	99.97	0.08	0	0	0	0.01
2003	294	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	99.97	0.11	0	0	0	0.01

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	295	23	1035	356.477	-356.792	D	7.535	7.5	0.036	3.1	99.16	0.79	0	0	0	0.05
2003	296	23	964	363.678	-354.148	D	7.521	7.5	0.021	3.1	99.52	0.46	0	0	0	0.03
2003	297	23	949	365.722	-354.966	D	7.566	7.5	0.066	3.1	99.46	0.52	0	0	0	0.02
2003	298	23	806	357.415	-359.242	D	7.74	7.5	0.24	3.1	93.32	6.65	0	0	0	0.03
2003	299	23	907	365.051	-359.809	D	7.54	7.5	0.04	3.1	91.06	8.92	0	0	0	0.02
2003	300	23	786	365.973	-357.042	D	7.5	7.5	0	3.1	97.75	0.91	0	0	0	0.01
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	305	23	949	365.722	-354.966	D	7.828	7.5	0.329	3.1	90.78	9.17	0	0	0	0.05
2003	306	23	643	363.609	-354.151	D	7.5	7.5	0.001	3.1	98.62	1.29	0	0	0	0.02
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	967	363.478	-354.116	D	7.505	7.5	0.005	3.1	97	3.01	0	0	0	0.01
2003	309	23	845	360.851	-362.181	D	7.583	7.5	0.084	3.1	93.74	6.22	0	0	0	0.04
2003	310	23	930	366.19	-357.232	D	7.712	7.5	0.213	3.1	93.24	6.73	0	0	0	0.02
2003	311	23	822	358.021	-361.607	D	7.597	7.5	0.097	3.1	93.64	6.34	0	0	0	0.02
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	318	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	95.79	4.08	0	0	0	0.03
2003	319	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	92.89	6.92	0	0	0	0.03
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	323	23	930	366.19	-357.232	D	7.506	7.5	0.006	3.1	96.6	3.39	0	0	0	0.02
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1017	356.894	-355.206	D	7.531	7.5	0.032	3.1	93.31	6.69	0	0	0	0.01
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	949	365.722	-354.966	D	7.528	7.5	0.029	3.1	94.87	5.11	0	0	0	0.02
2003	332	23	930	366.19	-357.232	D	7.502	7.5	0.003	3.1	95.41	4.59	0	0	0	0.01
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	78	358.239	-356.385	D	7.672	7.589	0.083	3.292	76.36	23.46	0	0	0	0.19
2003	336	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	90.72	9.25	0	0	0	0.05
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	967	363.478	-354.116	D	7.767	7.593	0.174	3.3	92.49	7.49	0	0	0	0.02
2003	339	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	96.45	3.53	0	0	0	0.01
2003	340	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	91.88	8	0	0	0	0.02
2003	341	23	933	366.169	-356.524	D	7.609	7.593	0.017	3.3	89.39	10.6	0	0	0	0.02
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	955	364.92	-354.582	D	7.651	7.593	0.059	3.3	91.26	8.72	0	0	0	0.02
2003	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	346	23	949	365.722	-354.966	D	7.64	7.593	0.047	3.3	90.85	9.14	0	0	0	0.02
2003	347	23	1038	356.511	-357.396	D	7.607	7.593	0.015	3.3	92.46	7.53	0	0	0	0.01
2003	348	23	822	358.021	-361.607	D	7.624	7.593	0.031	3.3	94.25	5.75	0	0	0	0.01
2003	349	23	941	365.977	-355.774	D	7.599	7.593	0.007	3.3	95.36	4.65	0	0	0	0.01
2003	350	23	496	362.153	-354.964	D	7.593	7.593	0	3.3	93.03	3.96	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	933	366.169	-356.524	D	7.633	7.593	0.04	3.3	76.15	23.74	0	0	0	0.11
2003	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	360	23	930	366.19	-357.232	D	7.597	7.593	0.005	3.3	94.91	5.05	0	0	0	0.02
2003	361	23	941	365.977	-355.774	D	7.6	7.593	0.007	3.3	94.46	5.53	0	0	0	0.01
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.593							
NORANDA									DELTA		% of Modeled Extinction by Species					
YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	98.7	0.02	0	0	0.17	1.19
2003	13	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	98.83	0.02	0	0	0.06	1.07
2003	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	16	23	1017	356.894	-355.206	D	7.649	7.546	0.103	3.2	95.43	0.29	0	0	0.19	4.09
2003	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	27	23	907	365.051	-359.809	D	7.546	7.546	0	3.2	98.95	0.04	0	0	0.08	1.87
2003	28	23	930	366.19	-357.232	D	7.546	7.546	0	3.2	93.24	0.47	0	0	0.04	6.13
2003	29	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	31	23	907	365.051	-359.809	D	7.561	7.546	0.015	3.2	98.86	0.05	0	0	0.02	1.07
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	37	23	907	365.051	-359.809	D	7.495	7.406	0.089	2.9	95.63	0.21	0	0	0.21	3.96
2003	38	23	907	365.051	-359.809	D	7.418	7.406	0.012	2.9	98.12	0.1	0	0	0.04	1.75
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	949	365.722	-354.966	D	7.424	7.406	0.018	2.9	97.71	0.1	0	0	0.03	2.16
2003	47	23	822	358.021	-361.607	D	7.427	7.406	0.022	2.9	98.39	0.1	0	0	0.01	1.5
2003	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	50	23	907	365.051	-359.809	D	7.413	7.406	0.008	2.9	92.8	0.41	0	0	0.14	6.68
2003	51	23	853	361.666	-362.175	D	7.428	7.406	0.023	2.9	98.62	0.06	0	0	0.18	1.15
2003	52	23	853	361.666	-362.175	D	7.681	7.406	0.276	2.9	98.47	0.05	0	0	0.13	1.34
2003	53	23	853	361.666	-362.175	D	7.431	7.406	0.026	2.9	98.94	0.03	0	0	0.06	0.97
2003	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	55	23	932	366.176	-356.761	D	7.406	7.406	0	2.9	99.38	0.01	0	0	0.04	0.44
2003	56	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	57	23	853	361.666	-362.175	D	7.406	7.406	0	2.9	97.03	0.11	0	0	0.31	2.76
2003	58	23	832	359.493	-362.061	D	7.41	7.406	0.004	2.9	98.35	0.07	0	0	0.16	1.47
2003	59	23	853	361.666	-362.175	D	7.412	7.406	0.006	2.9	98.6	0.05	0	0	0.09	1.29
2003	60	23	853	361.666	-362.175	D	7.35	7.315	0.036	2.708	98.52	0.05	0	0	0.07	1.36
2003	61	23	907	365.051	-359.809	D	7.324	7.311	0.013	2.7	98.75	0.05	0	0	0.02	1.19
2003	62	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	65	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	70	23	907	365.051	-359.809	D	7.312	7.311	0.001	2.7	96.8	0.01	0	0	0.22	3.11
2003	71	23	907	365.051	-359.809	D	7.319	7.311	0.009	2.7	96.36	0.05	0	0	0.03	3.56
2003	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	73	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	74	23	930	366.19	-357.232	D	7.331	7.311	0.021	2.7	98.23	0.01	0	0	0.11	1.65
2003	75	23	949	365.722	-354.966	D	7.328	7.311	0.018	2.7	97.73	0.04	0	0	0.03	2.21
2003	76	23	949	365.722	-354.966	D	7.314	7.311	0.003	2.7	98.12	0.03	0	0	0.01	1.87
2003	77	23	949	365.722	-354.966	D	7.342	7.311	0.031	2.7	99.39	0	0	0	0.1	0.51
2003	78	23	78	358.239	-356.385	D	7.404	7.311	0.093	2.7	95.49	0.17	0	0	0.19	4.14
2003	79	23	822	358.021	-361.607	D	7.333	7.311	0.023	2.7	99.16	0.05	0	0	0.01	0.79
2003	80	23	907	365.051	-359.809	D	7.314	7.311	0.003	2.7	98.29	0.08	0	0	0.01	1.61

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	85	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	86	23	930	366.19	-357.232	D	7.324	7.311	0.013	2.7	95.43	0.06	0	0	0.2	4.31
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	96	23	822	358.021	-361.607	D	7.373	7.311	0.062	2.7	95.61	0.1	0	0	0.26	4.04
2003	97	23	1017	356.894	-355.206	D	7.322	7.311	0.012	2.7	89.42	0.86	0	0	0.08	9.64
2003	98	23	930	366.19	-357.232	D	7.316	7.311	0.005	2.7	98.89	0.06	0	0	0	1.08
2003	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	102	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	108	23	933	366.169	-356.524	D	7.322	7.311	0.011	2.7	99.18	0	0	0	0.08	0.76
2003	109	23	949	365.722	-354.966	D	7.315	7.311	0.004	2.7	97.29	0	0	0	0.09	2.61
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	113	23	861	361.895	-361.506	D	7.332	7.311	0.022	2.7	89.1	0.03	0	0	1.4	9.48
2003	114	23	1039	356.522	-357.599	D	7.321	7.311	0.01	2.7	97.21	0.04	0	0	0.08	2.68
2003	115	23	1039	356.522	-357.599	D	7.36	7.311	0.049	2.7	98.27	0.02	0	0	0.03	1.68
2003	116	23	930	366.19	-357.232	D	7.359	7.311	0.049	2.7	98.57	0.01	0	0	0.03	1.4
2003	117	23	907	365.051	-359.809	D	7.311	7.311	0.001	2.7	97.69	0	0	0	0.31	2.12
2003	118	23	930	366.19	-357.232	D	7.314	7.311	0.004	2.7	97.99	0	0	0	0.09	1.97
2003	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2003	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	123	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	124	23	930	366.19	-357.232	D	7.638	7.593	0.045	3.3	97.94	0.01	0	0	0.03	2.02
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	128	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.22	0	0	0	0.15	0.59
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	949	365.722	-354.966	D	7.618	7.593	0.025	3.3	96.25	0.11	0	0	0.18	3.47
2003	137	23	907	365.051	-359.809	D	7.618	7.593	0.025	3.3	97.31	0	0	0	0.4	2.29
2003	138	23	1038	356.511	-357.396	D	7.617	7.593	0.024	3.3	98.76	0.01	0	0	0.08	1.15
2003	139	23	907	365.051	-359.809	D	7.626	7.593	0.033	3.3	98.52	0.01	0	0	0.22	1.26
2003	140	23	907	365.051	-359.809	D	7.731	7.593	0.138	3.3	98.92	0.01	0	0	0.06	1.01
2003	141	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	99.49	0	0	0	0.01	1.07
2003	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	65.28	0	0	0	0.14	4.59
2003	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	144	23	907	365.051	-359.809	D	7.604	7.593	0.012	3.3	99.31	0.01	0	0	0.1	0.58
2003	145	23	933	366.169	-356.524	D	7.702	7.593	0.109	3.3	99.26	0.01	0	0	0.05	0.69
2003	146	23	832	359.493	-362.061	D	7.623	7.593	0.031	3.3	99	0.01	0	0	0.03	0.96
2003	147	23	821	358.053	-361.416	D	7.593	7.593	0	3.3	90.53	0	0	0	0.03	2.24
2003	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	153	23	907	365.051	-359.809	D	7.643	7.593	0.05	3.3	98.41	0.02	0	0	0.04	1.54
2003	154	23	949	365.722	-354.966	D	7.857	7.593	0.265	3.3	98.51	0.03	0	0	0.06	1.39
2003	155	23	853	361.666	-362.175	D	7.594	7.593	0.002	3.3	95.87	0	0	0	0.32	3.86
2003	156	23	44	358.21	-361.379	D	7.593	7.593	0	3.3	93.56	0	0	0	0.45	6.05
2003	157	23	930	366.19	-357.232	D	7.624	7.593	0.031	3.3	98.03	0.01	0	0	0.13	1.84
2003	158	23	907	365.051	-359.809	D	7.598	7.593	0.005	3.3	98.51	0.01	0	0	0.06	1.43

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	159	23	380	361.468	-361.984	D	7.593	7.593	0	3.3	95.82	0	0	0	0.12	5.31
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	12.73	0	0	0	0.02	0.63
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	164	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	165	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	166	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	167	23	907	365.051	-359.809	D	7.596	7.593	0.003	3.3	99.38	0.01	0	0	0.09	0.51
2003	168	23	832	359.493	-362.061	D	7.637	7.593	0.045	3.3	99.33	0.01	0	0	0.09	0.57
2003	169	23	845	360.851	-362.181	D	7.748	7.593	0.155	3.3	98.6	0.03	0	0	0.15	1.23
2003	170	23	853	361.666	-362.175	D	7.611	7.593	0.018	3.3	98.82	0.01	0	0	0.14	1.05
2003	171	23	329	360.972	-362.006	D	7.593	7.593	0.001	3.3	99.24	0	0	0	0.02	0.77
2003	172	23	773	365.4	-355.32	D	7.735	7.593	0.143	3.3	97.16	0.01	0	0	0.39	2.45
2003	173	23	955	364.92	-354.582	D	7.606	7.593	0.014	3.3	90.6	0.02	0	0	0.2	9.19
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	118.05	0	0	0	1.17	10.1
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	70.58	0	0	0	0.3	5.58
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	179	23	853	361.666	-362.175	D	7.593	7.593	0.001	3.3	97.68	0	0	0	0.46	1.82
2003	180	23	853	361.666	-362.175	D	7.728	7.593	0.135	3.3	98.36	0	0	0	0.16	1.48
2003	181	23	966	363.538	-354.124	D	7.655	7.593	0.062	3.3	98.76	0	0	0	0.07	1.17
2003	182	23	966	363.538	-354.124	D	7.604	7.593	0.011	3.3	98.05	0.01	0	0	0.13	1.81
2003	183	23	907	365.051	-359.809	D	7.65	7.593	0.057	3.3	99.35	0	0	0	0.05	0.59
2003	184	23	907	365.051	-359.809	D	7.648	7.593	0.055	3.3	99.02	0	0	0	0.08	0.9
2003	185	23	930	366.19	-357.232	D	7.636	7.593	0.044	3.3	98.73	0	0	0	0.07	1.2
2003	186	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	95	0	0	0	0.6	4.4
2003	187	23	102	358.487	-356.374	D	7.593	7.593	0	3.3	93.35	0	0	0	1.86	5.19
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	194	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	195	23	930	366.19	-357.232	D	7.603	7.593	0.01	3.3	99.68	0	0	0	0.03	0.31
2003	196	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	99.64	0	0	0	0.02	0.31
2003	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	198	23	748	365.295	-358.57	D	7.593	7.593	0	3.3	64.77	0	0	0	0.48	9.06
2003	199	23	927	365.912	-357.454	D	7.593	7.593	0	3.3	97.74	0	0	0	0.15	1.74
2003	200	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	94.69	0	0	0	0.15	4.53
2003	201	23	929	366.032	-357.239	D	7.593	7.593	0	3.3	85.97	0.35	0	0	0.56	12.87
2003	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	205	23	852	361.595	-362.148	D	7.593	7.593	0	3.3	99.02	0	0	0	0.19	0.53
2003	206	23	853	361.666	-362.175	D	7.687	7.593	0.095	3.3	98.83	0	0	0	0.14	1.04
2003	207	23	1017	356.894	-355.206	D	7.623	7.593	0.03	3.3	98.63	0	0	0	0.07	1.3
2003	208	23	949	365.722	-354.966	D	7.593	7.593	0.001	3.3	98.95	0	0	0	0.03	0.96
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	907	365.051	-359.809	D	7.599	7.593	0.006	3.3	99.64	0	0	0	0.04	0.31
2003	211	23	907	365.051	-359.809	D	7.642	7.593	0.05	3.3	99.73	0	0	0	0.01	0.25
2003	212	23	907	365.051	-359.809	D	7.608	7.593	0.016	3.3	99.6	0	0	0	0.03	0.38
2003	213	23	907	365.051	-359.809	D	7.594	7.593	0.001	3.3	99.78	0	0	0	0.01	0.21
2003	214	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.83	0	0	0	0.01	0.21
2003	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	18.93	0	0	0	0.01	0.96
2003	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	218	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	219	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1039	356.522	-357.599	D	7.668	7.593	0.076	3.3	97.07	0.08	0	0	0.12	2.74
2003	227	23	966	363.538	-354.124	D	7.594	7.593	0.001	3.3	97.53	0	0	0	0.07	2.4
2003	228	23	947	365.801	-355.162	D	7.595	7.593	0.003	3.3	98.22	0	0	0	0.04	1.71
2003	229	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	97.97	0	0	0	0.04	2.79
2003	230	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	231	23	905	364.788	-359.816	D	7.593	7.593	0	3.3	64.76	0.1	0	0	1.33	32.72
2003	232	23	907	365.051	-359.809	D	7.597	7.593	0.005	3.3	97.91	0	0	0	0.15	1.97
2003	233	23	907	365.051	-359.809	D	7.616	7.593	0.023	3.3	98.86	0	0	0	0.1	1.04
2003	234	23	907	365.051	-359.809	D	7.627	7.593	0.034	3.3	99.05	0	0	0	0.08	0.86
2003	235	23	907	365.051	-359.809	D	7.628	7.593	0.035	3.3	99.06	0	0	0	0.06	0.89
2003	236	23	853	361.666	-362.175	D	7.634	7.593	0.042	3.3	99.2	0	0	0	0.07	0.74

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	237	23	907	365.051	-359.809	D	7.864	7.593	0.271	3.3	99.15	0	0	0	0.07	0.78
2003	238	23	930	366.19	-357.232	D	7.762	7.593	0.169	3.3	98.88	0	0	0	0.05	1.07
2003	239	23	947	365.801	-355.162	D	7.603	7.593	0.01	3.3	99.15	0	0	0	0.03	0.83
2003	240	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.36	0	0	0	0.03	1.04
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	33.73	0	0	0	0.13	1.33
2003	242	23	853	361.666	-362.175	D	7.652	7.593	0.059	3.3	99.08	0.01	0	0	0.07	0.85
2003	243	23	822	358.021	-361.607	D	7.707	7.593	0.115	3.3	98.37	0.04	0	0	0.05	1.54
2003	244	23	1017	356.894	-355.206	D	7.638	7.637	0.001	3.396	98.64	0.01	0	0	0.17	1.15
2003	245	23	949	365.722	-354.966	D	7.647	7.639	0.008	3.4	99.56	0.01	0	0	0.03	0.41
2003	246	23	930	366.19	-357.232	D	7.73	7.639	0.091	3.4	99.35	0.02	0	0	0.02	0.6
2003	247	23	821	358.053	-361.416	D	7.639	7.639	0	3.4	99.86	0	0	0	0	0.13
2003	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	832	359.493	-362.061	D	7.643	7.639	0.004	3.4	96.92	0	0	0	0.51	2.59
2003	251	23	822	358.021	-361.607	D	7.751	7.639	0.112	3.4	98.43	0	0	0	0.14	1.43
2003	252	23	822	358.021	-361.607	D	7.749	7.639	0.111	3.4	98.64	0	0	0	0.09	1.27
2003	253	23	933	366.169	-356.524	D	7.853	7.639	0.214	3.4	98.78	0.01	0	0	0.05	1.17
2003	254	23	947	365.801	-355.162	D	7.641	7.639	0.002	3.4	98.73	0	0	0	0.07	1.18
2003	255	23	328	360.427	-355.289	D	7.639	7.639	0	3.4	95.6	0	0	0	1.68	4.64
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	259	23	930	366.19	-357.232	D	7.651	7.639	0.012	3.4	98.19	0	0	0	0.22	1.6
2003	260	23	949	365.722	-354.966	D	7.675	7.639	0.036	3.4	98.13	0.01	0	0	0.09	1.77
2003	261	23	1009	357.941	-354.82	D	7.639	7.639	0.001	3.4	93.29	0.01	0	0	0.34	6.35
2003	262	23	10	356.954	-355.443	D	7.639	7.639	0	3.4	78.03	0	0	0	0.76	5.66
2003	263	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	264	23	933	366.169	-356.524	D	7.721	7.639	0.082	3.4	96.86	0.01	0	0	0.19	2.94
2003	265	23	949	365.722	-354.966	D	7.689	7.639	0.05	3.4	98.73	0.02	0	0	0.04	1.21
2003	266	23	907	365.051	-359.809	D	7.639	7.639	0	3.4	98.67	0	0	0	0.02	1.02
2003	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	268	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	269	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	96.8	0.01	0	0	0.11	3.35
2003	270	23	775	365.747	-357.551	D	7.639	7.639	0	3.4	92.69	0.01	0	0	0.08	8.34
2003	271	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2003	275	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	276	23	852	361.595	-362.148	D	7.5	7.5	0	3.1	99.12	0	0	0	0.08	0.86
2003	277	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	98.57	0	0	0	0.03	1.32
2003	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	279	23	947	365.801	-355.162	D	7.526	7.5	0.027	3.1	97.8	0.01	0	0	0.3	1.9
2003	280	23	930	366.19	-357.232	D	8.019	7.5	**0.52**	3.1	98.13	0.01	0	0	0.2	1.66
2003	281	23	1017	356.894	-355.206	D	7.589	7.5	0.09	3.1	97.91	0.01	0	0	0.08	2
2003	282	23	1017	356.894	-355.206	D	7.504	7.5	0.005	3.1	98.85	0	0	0	0.04	1.16
2003	283	23	1017	356.894	-355.206	D	7.585	7.5	0.086	3.1	91.21	0.27	0	0	0.63	7.89
2003	284	23	1017	356.894	-355.206	D	7.5	7.5	0.001	3.1	94.76	0.45	0	0	0.05	4.87
2003	285	23	907	365.051	-359.809	D	7.514	7.5	0.014	3.1	98.6	0.04	0	0	0.01	1.37
2003	286	23	853	361.666	-362.175	D	7.503	7.5	0.004	3.1	98.97	0	0	0	0.02	1.07
2003	287	23	930	366.19	-357.232	D	7.504	7.5	0.004	3.1	98.96	0.01	0	0	0	1.03
2003	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	290	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	291	23	906	364.982	-359.812	D	7.5	7.5	0	3.1	94.58	0	0	0	0.01	0.23
2003	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	295	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	296	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	297	23	907	365.051	-359.809	D	7.532	7.5	0.032	3.1	84.87	0.05	0	0	1.12	13.97
2003	298	23	930	366.19	-357.232	D	7.511	7.5	0.012	3.1	97.95	0.01	0	0	0.01	2.04
2003	299	23	853	361.666	-362.175	D	7.5	7.5	0.001	3.1	97.61	0.02	0	0	0	2.32
2003	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	305	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	309	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	310	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	930	366.19	-357.232	D	7.523	7.5	0.024	3.1	94.46	0.07	0	0	0.27	5.21

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	315	23	747	364.871	-354.594	D	7.5	7.5	0.001	3.1	90.1	0.08	0	0	0.03	9.78
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	318	23	595	363.624	-360.142	D	7.5	7.5	0	3.1	91.7	0.24	0	0	0.15	4.69
2003	319	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	95.54	0.09	0	0	0.32	4.07
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	931	366.183	-356.996	D	7.501	7.5	0.001	3.1	83.98	1.61	0	0	0.14	14.3
2003	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	332	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2003	336	23	907	365.051	-359.809	D	7.61	7.593	0.018	3.3	98.67	0.01	0	0	0.14	1.18
2003	337	23	949	365.722	-354.966	D	7.615	7.593	0.022	3.3	87.91	0.42	0	0	0.26	11.41
2003	338	23	955	364.92	-354.582	D	7.735	7.593	0.142	3.3	96.66	0.22	0	0	0.05	3.06
2003	339	23	608	363.481	-356.902	D	7.593	7.593	0	3.3	82.18	0.53	0	0	0.93	13.89
2003	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	341	23	933	366.169	-356.524	D	7.601	7.593	0.008	3.3	96.79	0.08	0	0	0.24	2.88
2003	342	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	96.1	0.09	0	0	0.02	3.2
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	346	23	845	360.851	-362.181	D	7.614	7.593	0.022	3.3	99.17	0.01	0	0	0.07	0.75
2003	347	23	822	358.021	-361.607	D	7.712	7.593	0.119	3.3	97.2	0.1	0	0	0.28	2.42
2003	348	23	832	359.493	-362.061	D	7.906	7.593	0.313	3.3	98.69	0.07	0	0	0.05	1.2
2003	349	23	941	365.977	-355.774	D	7.643	7.593	0.05	3.3	98.91	0.06	0	0	0.01	1.02
2003	350	23	784	365.648	-355.309	D	7.593	7.593	0	3.3	75.36	0.1	0	0	0.01	2.6
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	360	23	930	366.19	-357.232	D	7.593	7.593	0.001	3.3	98.27	0.02	0	0	0.28	1.45
2003	361	23	947	365.801	-355.162	D	7.594	7.593	0.001	3.3	97.81	0.06	0	0	0.09	2.07
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.52							
INDEPENDENCE												**% of Modeled Extinction by Species**				
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	811	357.434	-360.225	D	7.552	7.546	0.006	3.2	89.78	9.81	0	0	0	0.41
2003	3	23	927	365.912	-357.454	D	7.819	7.546	0.273	3.2	71.11	27.62	0	0	0	1.27
2003	4	23	933	366.169	-356.524	D	7.547	7.546	0	3.2	83.35	16.12	0	0	0	0.53
2003	5	23	931	366.183	-356.996	D	7.598	7.546	0.052	3.2	60.54	37.22	0	0	0	2.25
2003	6	23	933	366.169	-356.524	D	7.563	7.546	0.017	3.2	75.16	23.58	0	0	0	1.26
2003	7	23	967	363.478	-354.116	D	7.553	7.546	0.007	3.2	89.56	10.14	0	0	0	0.32
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	773	365.4	-355.32	D	7.564	7.546	0.018	3.2	75.47	23.17	0	0	0	1.36
2003	10	23	1041	356.936	-357.592	D	7.594	7.546	0.048	3.2	64.37	33.13	0	0	0	2.49
2003	11	23	1041	356.936	-357.592	D	7.615	7.546	0.069	3.2	67.11	31.03	0	0	0	1.87
2003	12	23	1017	356.894	-355.206	D	7.65	7.546	0.103	3.2	81.22	18.21	0	0	0	0.57
2003	13	23	949	365.722	-354.966	D	7.555	7.546	0.009	3.2	85.13	14.53	0	0	0	0.35
2003	14	23	1017	356.894	-355.206	D	7.795	7.546	0.249	3.2	80.77	18.55	0	0	0	0.68
2003	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	16	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	17	23	1017	356.894	-355.206	D	7.674	7.546	0.128	3.2	83.73	15.53	0	0	0	0.74
2003	18	23	949	365.722	-354.966	D	7.598	7.546	0.052	3.2	85.53	13.92	0	0	0	0.55
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	930	366.19	-357.232	D	7.574	7.546	0.028	3.2	86.45	13.31	0	0	0	0.25
2003	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	23	23	811	357.434	-360.225	D	7.548	7.546	0.002	3.2	68.45	30.14	0	0	0	1.43
2003	24	23	1017	356.894	-355.206	D	7.589	7.546	0.043	3.2	85.6	14.03	0	0	0	0.38
2003	25	23	955	364.92	-354.582	D	7.565	7.546	0.019	3.2	86.42	13.32	0	0	0	0.26
2003	26	23	927	365.912	-357.454	D	7.581	7.546	0.035	3.2	59.51	38.35	0	0	0	2.15
2003	27	23	1017	356.894	-355.206	D	7.565	7.546	0.018	3.2	83.68	16	0	0	0	0.32
2003	28	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	29	23	1017	356.894	-355.206	D	7.59	7.546	0.044	3.2	88.2	11.57	0	0	0	0.23
2003	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	933	366.169	-356.524	D	7.475	7.406	0.07	2.9	82.7	16.5	0	0	0	0.8
2003	37	23	1008	358.048	-354.775	D	7.486	7.406	0.08	2.9	90.22	9.49	0	0	0	0.3
2003	38	23	930	366.19	-357.232	D	7.535	7.406	0.13	2.9	88.95	10.75	0	0	0	0.3
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	78	358.239	-356.385	D	7.419	7.406	0.014	2.9	64.31	33.03	0	0	0	2.67
2003	44	23	822	358.021	-361.607	D	7.414	7.406	0.009	2.9	86.81	12.68	0	0	0	0.53
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	48	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	50	23	1017	356.894	-355.206	D	7.407	7.406	0.001	2.9	91.16	8.46	0	0	0	0.41
2003	51	23	1039	356.522	-357.599	D	7.54	7.406	0.135	2.9	93.3	6.51	0	0	0	0.2
2003	52	23	1017	356.894	-355.206	D	7.419	7.406	0.013	2.9	97.23	2.65	0	0	0	0.14
2003	53	23	1039	356.522	-357.599	D	7.409	7.406	0.003	2.9	90.8	8.91	0	0	0	0.32
2003	54	23	822	358.021	-361.607	D	7.406	7.406	0.001	2.9	83.52	15.62	0	0	0	0.93
2003	55	23	1039	356.522	-357.599	D	7.522	7.406	0.117	2.9	88.62	10.94	0	0	0	0.44
2003	56	23	1039	356.522	-357.599	D	7.519	7.406	0.113	2.9	90.56	9.13	0	0	0	0.31
2003	57	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	58	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	59	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	60	23	1	356.546	-357.458	D	7.315	7.315	0	2.708	0	0	0	0	0	0
2003	61	23	811	357.434	-360.225	D	7.387	7.311	0.076	2.7	86.75	12.51	0	0	0	0.75

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	62	23	822	358.021	-361.607	D	7.654	7.311	0.343	2.7	92	7.69	0	0	0	0.31
2003	63	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	95.07	4.77	0	0	0	0.18
2003	64	23	907	365.051	-359.809	D	7.396	7.311	0.086	2.7	92.2	7.58	0	0	0	0.22
2003	65	23	930	366.19	-357.232	D	7.322	7.311	0.011	2.7	93.69	6.2	0	0	0	0.12
2003	66	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	67	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	68	23	824	358.459	-361.601	D	7.327	7.311	0.016	2.7	89.48	9.73	0	0	0	0.79
2003	69	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	70	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	71	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	72	23	965	363.588	-354.142	D	7.668	7.311	0.358	2.7	96.9	2.83	0	0	0	0.27
2003	73	23	832	359.493	-362.061	D	7.388	7.311	0.078	2.7	98.13	1.7	0	0	0	0.17
2003	74	23	1035	356.477	-356.792	D	7.342	7.311	0.031	2.7	98.72	1.15	0	0	0	0.14
2003	75	23	1008	358.048	-354.775	D	7.313	7.311	0.002	2.7	99.64	0.23	0	0	0	0.12
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	1035	356.477	-356.792	D	7.311	7.311	0	2.7	94.91	4.81	0	0	0	0.36
2003	80	23	824	358.459	-361.601	D	7.613	7.311	0.302	2.7	88.2	10.87	0	0	0	0.93
2003	81	23	907	365.051	-359.809	D	7.317	7.311	0.007	2.7	97.21	2.1	0	0	0	0.7
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1039	356.522	-357.599	D	7.339	7.311	0.028	2.7	96.14	3.52	0	0	0	0.34
2003	85	23	853	361.666	-362.175	D	7.317	7.311	0.007	2.7	95.86	3.96	0	0	0	0.18
2003	86	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	949	365.722	-354.966	D	7.315	7.311	0.004	2.7	73.7	24.56	0	0	0	1.73
2003	89	23	927	365.912	-357.454	D	7.444	7.311	0.133	2.7	71.32	27.05	0	0	0	1.63
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	78	358.239	-356.385	D	7.381	7.311	0.07	2.7	72.35	25.97	0	0	0	1.68
2003	96	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	98	23	352	360.719	-356.275	D	7.655	7.311	0.344	2.7	77.73	21.04	0	0	0	1.24
2003	99	23	822	358.021	-361.607	D	7.315	7.311	0.004	2.7	85.84	13.49	0	0	0	0.67
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	101	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	102	23	949	365.722	-354.966	D	7.318	7.311	0.007	2.7	99.48	0.15	0	0	0	0.4
2003	103	23	941	365.977	-355.774	D	7.319	7.311	0.008	2.7	99.67	0.08	0	0	0	0.26
2003	104	23	949	365.722	-354.966	D	7.313	7.311	0.002	2.7	99.67	0.13	0	0	0	0.19
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	7.338	7.311	0.027	2.7	97.63	2.07	0	0	0	0.31
2003	108	23	949	365.722	-354.966	D	7.408	7.311	0.098	2.7	97.25	2.5	0	0	0	0.25
2003	109	23	949	365.722	-354.966	D	7.313	7.311	0.003	2.7	99.7	0.18	0	0	0	0.11
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	853	361.666	-362.175	D	7.326	7.311	0.015	2.7	84.64	13.93	0	0	0	1.44
2003	113	23	1039	356.522	-357.599	D	7.326	7.311	0.015	2.7	97.82	1.92	0	0	0	0.27
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	822	358.021	-361.607	D	7.606	7.311	0.295	2.7	97.21	2.38	0	0	0	0.42
2003	116	23	832	359.493	-362.061	D	7.314	7.311	0.004	2.7	97.78	1.92	0	0	0	0.31
2003	117	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	118	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	119	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0
2003	122	23	949	365.722	-354.966	D	7.79	7.593	0.198	3.3	96.33	3.44	0	0	0	0.23
2003	123	23	832	359.493	-362.061	D	7.679	7.593	0.086	3.3	98.92	0.95	0	0	0	0.13
2003	124	23	1039	356.522	-357.599	D	7.641	7.593	0.049	3.3	99.74	0.18	0	0	0	0.07
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	811	357.434	-360.225	D	7.654	7.593	0.062	3.3	97.69	2.03	0	0	0	0.28
2003	128	23	1039	356.522	-357.599	D	7.616	7.593	0.023	3.3	99.57	0.23	0	0	0	0.21
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	964	363.678	-354.148	D	7.595	7.593	0.002	3.3	99.32	0.39	0	0	0	0.27
2003	137	23	967	363.478	-354.116	D	7.667	7.593	0.074	3.3	99.69	0.21	0	0	0	0.1
2003	138	23	1017	356.894	-355.206	D	7.658	7.593	0.065	3.3	99.31	0.6	0	0	0	0.09
2003	139	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	140	23	906	364.982	-359.812	D	7.627	7.593	0.035	3.3	97.05	2.82	0	0	0	0.13
2003	141	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	142	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	143	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	144	23	967	363.478	-354.116	D	7.615	7.593	0.022	3.3	98.83	0.98	0	0	0	0.19
2003	145	23	1017	356.894	-355.206	D	7.618	7.593	0.026	3.3	96.7	3.19	0	0	0	0.12
2003	146	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	147	23	986	360.908	-354.689	D	7.593	7.593	0	3.3	99.37	0.08	0	0	0	0.35
2003	148	23	949	365.722	-354.966	D	7.68	7.593	0.087	3.3	99.21	0.51	0	0	0	0.28
2003	149	23	1039	356.522	-357.599	D	7.704	7.593	0.111	3.3	96.69	2.48	0	0	0	0.83
2003	150	23	822	358.021	-361.607	D	7.679	7.593	0.086	3.3	99.44	0.27	0	0	0	0.3
2003	151	23	906	364.982	-359.812	D	7.607	7.593	0.014	3.3	84.88	11.79	0	0	0	3.33
2003	152	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	153	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	154	23	822	358.021	-361.607	D	7.608	7.593	0.015	3.3	83.39	15.99	0	0	0	0.62
2003	155	23	822	358.021	-361.607	D	7.621	7.593	0.028	3.3	96.19	3.52	0	0	0	0.29
2003	156	23	1039	356.522	-357.599	D	7.665	7.593	0.072	3.3	99.63	0.22	0	0	0	0.15
2003	157	23	1035	356.477	-356.792	D	7.593	7.593	0.001	3.3	99.81	0.1	0	0	0	0.14
2003	158	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	159	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	963	363.809	-354.192	D	7.593	7.593	0.001	3.3	96.49	3.41	0	0	0	0.13
2003	164	23	643	363.609	-354.151	D	7.595	7.593	0.003	3.3	99.4	0.44	0	0	0	0.11
2003	165	23	1017	356.894	-355.206	D	7.607	7.593	0.014	3.3	99.35	0.57	0	0	0	0.09
2003	166	23	822	358.021	-361.607	D	7.593	7.593	0.001	3.3	99.94	0.03	0	0	0	0.09
2003	167	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	168	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	169	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	170	23	1017	356.894	-355.206	D	7.782	7.593	0.189	3.3	99.72	0.07	0	0	0	0.21
2003	171	23	1035	356.477	-356.792	D	7.766	7.593	0.173	3.3	99.53	0.3	0	0	0	0.16
2003	172	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	845	360.851	-362.181	D	7.688	7.593	0.095	3.3	86.94	12.51	0	0	0	0.56
2003	178	23	1017	356.894	-355.206	D	7.688	7.593	0.095	3.3	97.6	1.79	0	0	0	0.61

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	179	23	933	366.169	-356.524	D	7.634	7.593	0.041	3.3	99.64	0.13	0	0	0	0.23
2003	180	23	1008	358.048	-354.775	D	7.597	7.593	0.005	3.3	99.81	0.05	0	0	0	0.17
2003	181	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	182	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	183	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	99.33	0.25	0	0	0	0.1
2003	184	23	569	362.875	-354.433	D	7.593	7.593	0	3.3	99.6	0.06	0	0	0	0.09
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1017	356.894	-355.206	D	7.618	7.593	0.025	3.3	99.08	0.24	0	0	0	0.68
2003	193	23	907	365.051	-359.809	D	7.601	7.593	0.008	3.3	99.73	0.04	0	0	0	0.23
2003	194	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	99.48	0.31	0	0	0	0.17
2003	195	23	930	366.19	-357.232	D	7.6	7.593	0.008	3.3	99.42	0.47	0	0	0	0.13
2003	196	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	99.84	0.02	0	0	0	0.1
2003	197	23	949	365.722	-354.966	D	7.675	7.593	0.083	3.3	99.74	0.07	0	0	0	0.19
2003	198	23	930	366.19	-357.232	D	7.604	7.593	0.011	3.3	99.82	0.03	0	0	0	0.14
2003	199	23	907	365.051	-359.809	D	7.593	7.593	0.001	3.3	99.99	0.01	0	0	0	0.1
2003	200	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	201	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	202	23	961	364.092	-354.289	D	7.601	7.593	0.008	3.3	99.65	0.01	0	0	0	0.34
2003	203	23	822	358.021	-361.607	D	7.772	7.593	0.18	3.3	98.69	1	0	0	0	0.31
2003	204	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	205	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	206	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	949	365.722	-354.966	D	7.625	7.593	0.032	3.3	99.53	0.34	0	0	0	0.13
2003	211	23	949	365.722	-354.966	D	7.695	7.593	0.102	3.3	99.56	0.34	0	0	0	0.11
2003	212	23	907	365.051	-359.809	D	7.644	7.593	0.052	3.3	99.79	0.13	0	0	0	0.09
2003	213	23	907	365.051	-359.809	D	7.605	7.593	0.013	3.3	99.87	0.06	0	0	0	0.08
2003	214	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	99.97	0.02	0	0	0	0.08
2003	215	23	964	363.678	-354.148	D	7.717	7.593	0.124	3.3	99.1	0.65	0	0	0	0.25
2003	216	23	949	365.722	-354.966	D	7.786	7.593	0.193	3.3	99.43	0.38	0	0	0	0.2
2003	217	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.65	0.15	0	0	0	0.12

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	218	23	1017	356.894	-355.206	D	7.649	7.593	0.057	3.3	99.68	0.15	0	0	0	0.17
2003	219	23	822	358.021	-361.607	D	7.648	7.593	0.055	3.3	99.79	0.08	0	0	0	0.12
2003	220	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	221	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	222	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	223	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	947	365.801	-355.162	D	7.614	7.593	0.022	3.3	99.76	0.02	0	0	0	0.23
2003	231	23	931	366.183	-356.996	D	7.697	7.593	0.105	3.3	99.74	0.11	0	0	0	0.15
2003	232	23	930	366.19	-357.232	D	7.686	7.593	0.094	3.3	99.76	0.13	0	0	0	0.11
2003	233	23	930	366.19	-357.232	D	7.662	7.593	0.07	3.3	99.72	0.18	0	0	0	0.1
2003	234	23	949	365.722	-354.966	D	7.703	7.593	0.111	3.3	99.71	0.07	0	0	0	0.21
2003	235	23	907	365.051	-359.809	D	7.718	7.593	0.125	3.3	99.75	0.09	0	0	0	0.16
2003	236	23	822	358.021	-361.607	D	7.621	7.593	0.028	3.3	99.58	0.28	0	0	0	0.15
2003	237	23	811	357.434	-360.225	D	7.625	7.593	0.033	3.3	99.81	0.07	0	0	0	0.12
2003	238	23	967	363.478	-354.116	D	7.609	7.593	0.017	3.3	99.87	0.03	0	0	0	0.11
2003	239	23	947	365.801	-355.162	D	7.596	7.593	0.004	3.3	99.87	0.04	0	0	0	0.1
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.29	0.59	0	0	0	0.13
2003	243	23	62	357.925	-354.901	D	7.593	7.593	0	3.3	98.98	0.7	0	0	0	0.1
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	246	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	247	23	1035	356.477	-356.792	D	7.73	7.639	0.091	3.4	99.03	0.78	0	0	0	0.19
2003	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	257	23	822	358.021	-361.607	D	7.842	7.639	0.203	3.4	93.14	6.11	0	0	0	0.75
2003	258	23	907	365.051	-359.809	D	7.718	7.639	0.08	3.4	98.75	0.82	0	0	0	0.43
2003	259	23	853	361.666	-362.175	D	7.658	7.639	0.019	3.4	99.38	0.36	0	0	0	0.26
2003	260	23	949	365.722	-354.966	D	7.645	7.639	0.007	3.4	99.43	0.38	0	0	0	0.2
2003	261	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	262	23	1035	356.477	-356.792	D	7.681	7.639	0.042	3.4	89.93	9.43	0	0	0	0.64
2003	263	23	1039	356.522	-357.599	D	7.651	7.639	0.012	3.4	98.96	0.69	0	0	0	0.35
2003	264	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	265	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	266	23	864	361.875	-360.901	D	7.72	7.639	0.081	3.4	91.76	6.51	0	0	0	1.73
2003	267	23	930	366.19	-357.232	D	7.643	7.639	0.005	3.4	99.41	0.34	0	0	0	0.25
2003	268	23	1017	356.894	-355.206	D	7.656	7.639	0.017	3.4	96.83	2.64	0	0	0	0.53
2003	269	23	907	365.051	-359.809	D	7.674	7.639	0.035	3.4	99.35	0.47	0	0	0	0.19
2003	270	23	961	364.092	-354.289	D	7.66	7.639	0.021	3.4	93.12	6.14	0	0	0	0.74
2003	271	23	949	365.722	-354.966	D	7.663	7.639	0.024	3.4	94.84	3.95	0	0	0	1.21
2003	272	23	949	365.722	-354.966	D	7.647	7.639	0.008	3.4	92.16	6.84	0	0	0	0.99
2003	273	23	967	363.478	-354.116	D	7.795	7.639	0.156	3.4	94.45	5.26	0	0	0	0.29
2003	274	23	949	365.722	-354.966	D	7.623	7.505	0.118	3.112	95.62	4.18	0	0	0	0.2
2003	275	23	907	365.051	-359.809	D	7.577	7.5	0.077	3.1	96.12	3.49	0	0	0	0.39
2003	276	23	1017	356.894	-355.206	D	7.535	7.5	0.036	3.1	98.19	1.57	0	0	0	0.25
2003	277	23	869	361.064	-360.714	D	7.599	7.5	0.1	3.1	90.03	8.8	0	0	0	1.18
2003	278	23	1008	358.048	-354.775	D	7.516	7.5	0.017	3.1	98.49	1.13	0	0	0	0.38
2003	279	23	1009	357.941	-354.82	D	7.515	7.5	0.016	3.1	98.26	1.52	0	0	0	0.22
2003	280	23	949	365.722	-354.966	D	7.508	7.5	0.008	3.1	99.63	0.23	0	0	0	0.17
2003	281	23	949	365.722	-354.966	D	7.502	7.5	0.002	3.1	99.78	0.15	0	0	0	0.13
2003	282	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	986	360.908	-354.689	D	7.514	7.5	0.014	3.1	88.19	10.63	0	0	0	1.18
2003	286	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	287	23	784	365.648	-355.309	D	7.519	7.5	0.02	3.1	79.78	18.71	0	0	0	1.52
2003	288	23	907	365.051	-359.809	D	7.531	7.5	0.032	3.1	90.95	7.74	0	0	0	1.32
2003	289	23	933	366.169	-356.524	D	7.504	7.5	0.005	3.1	98.92	0.75	0	0	0	0.33
2003	290	23	933	366.169	-356.524	D	7.525	7.5	0.025	3.1	95.3	4.59	0	0	0	0.11
2003	291	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	292	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	294	23	822	358.021	-361.607	D	7.559	7.5	0.059	3.1	97.63	1.28	0	0	0	1.1
2003	295	23	822	358.021	-361.607	D	7.783	7.5	0.284	3.1	96.88	2.34	0	0	0	0.78

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	296	23	949	365.722	-354.966	D	7.539	7.5	0.04	3.1	99.07	0.22	0	0	0	0.71
2003	297	23	930	366.19	-357.232	D	7.598	7.5	0.098	3.1	98.6	1.01	0	0	0	0.4
2003	298	23	833	359.603	-362.066	D	7.631	7.5	0.131	3.1	94.67	4.91	0	0	0	0.42
2003	299	23	754	365.229	-357.075	D	7.718	7.5	0.218	3.1	72.27	26.53	0	0	0	1.2
2003	300	23	930	366.19	-357.232	D	7.521	7.5	0.021	3.1	93.11	6.44	0	0	0	0.45
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1017	356.894	-355.206	D	7.528	7.5	0.029	3.1	97.41	2.06	0	0	0	0.54
2003	305	23	1017	356.894	-355.206	D	7.749	7.5	0.25	3.1	95.25	4.41	0	0	0	0.34
2003	306	23	1008	358.048	-354.775	D	7.5	7.5	0.001	3.1	96.51	3.3	0	0	0	0.21
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	309	23	907	365.051	-359.809	D	7.616	7.5	0.116	3.1	90.21	9.24	0	0	0	0.55
2003	310	23	832	359.493	-362.061	D	7.572	7.5	0.073	3.1	94.16	5.7	0	0	0	0.14
2003	311	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	949	365.722	-354.966	D	7.594	7.5	0.095	3.1	83.13	15.42	0	0	0	1.45
2003	318	23	930	366.19	-357.232	D	7.624	7.5	0.125	3.1	87.47	11.86	0	0	0	0.67
2003	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1039	356.522	-357.599	D	7.514	7.5	0.014	3.1	93.34	6.45	0	0	0	0.21
2003	323	23	78	358.239	-356.385	D	7.55	7.5	0.05	3.1	67.71	29.33	0	0	0	2.96
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	7.5	7.5	0.001	3.1	86.99	12.89	0	0	0	0.2
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	1035	356.477	-356.792	D	7.533	7.5	0.034	3.1	83.3	16.05	0	0	0	0.65
2003	332	23	824	358.459	-361.601	D	7.549	7.5	0.049	3.1	61.51	35.65	0	0	0	2.84
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	335	23	822	358.021	-361.607	D	7.615	7.589	0.026	3.292	84.23	14.67	0	0	0	1.1
2003	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	1010	357.824	-354.865	D	7.852	7.593	0.26	3.3	88.34	11.27	0	0	0	0.39
2003	339	23	947	365.801	-355.162	D	7.659	7.593	0.066	3.3	90.73	8.93	0	0	0	0.34
2003	340	23	102	358.487	-356.374	D	7.708	7.593	0.116	3.3	88.14	11.13	0	0	0	0.72
2003	341	23	1035	356.477	-356.792	D	7.593	7.593	0	3.3	87.18	12.97	0	0	0	0.34
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	833	359.603	-362.066	D	7.65	7.593	0.057	3.3	71.74	26.73	0	0	0	1.52
2003	345	23	409	361.694	-361.475	D	7.705	7.593	0.112	3.3	64.94	33.32	0	0	0	1.74
2003	346	23	822	358.021	-361.607	D	7.666	7.593	0.073	3.3	84.17	15.41	0	0	0	0.42
2003	347	23	1017	356.894	-355.206	D	7.593	7.593	0	3.3	89.71	10.25	0	0	0	0.22
2003	348	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	354	23	927	365.912	-357.454	D	7.616	7.593	0.023	3.3	79.45	19.64	0	0	0	0.91
2003	355	23	932	366.176	-356.761	D	7.599	7.593	0.007	3.3	88.75	10.93	0	0	0	0.32
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	949	365.722	-354.966	D	7.798	7.593	0.205	3.3	91.14	8.46	0	0	0	0.41
2003	358	23	947	365.801	-355.162	D	7.912	7.593	0.319	3.3	89.21	10.36	0	0	0	0.43
2003	359	23	832	359.493	-362.061	D	7.631	7.593	0.038	3.3	88.58	11.08	0	0	0	0.34
2003	360	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	89.72	10.12	0	0	0	0.2
2003	361	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.358							
MARSHALL											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	941	365.977	-355.774	D	7.602	7.546	0.055	3.2	78.19	21.09	0	0	0	0.73
2003	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	6	23	990	360.933	-355.487	D	7.759	7.546	0.213	3.2	60.97	37.78	0	0	0	1.24
2003	7	23	1039	356.522	-357.599	D	7.684	7.546	0.137	3.2	80.89	18.67	0	0	0	0.44
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	1017	356.894	-355.206	D	7.568	7.546	0.022	3.2	73.65	24.88	0	0	0	1.47
2003	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	7.56	7.546	0.013	3.2	69.48	29.87	0	0	0	0.65
2003	13	23	907	365.051	-359.809	D	7.548	7.546	0.002	3.2	73.15	26.43	0	0	0	0.45
2003	14	23	947	365.801	-355.162	D	7.565	7.546	0.019	3.2	73.09	26.2	0	0	0	0.71
2003	15	23	853	361.666	-362.175	D	7.608	7.546	0.062	3.2	63.99	35.13	0	0	0	0.88
2003	16	23	1039	356.522	-357.599	D	7.602	7.546	0.056	3.2	84.16	15.4	0	0	0	0.44
2003	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	966	363.538	-354.124	D	7.568	7.546	0.022	3.2	72.22	27.44	0	0	0	0.35
2003	22	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	23	23	1038	356.511	-357.396	D	7.614	7.546	0.067	3.2	79.12	20.37	0	0	0	0.51
2003	24	23	930	366.19	-357.232	D	7.615	7.546	0.069	3.2	76.46	23.08	0	0	0	0.47
2003	25	23	930	366.19	-357.232	D	7.553	7.546	0.007	3.2	78.39	21.34	0	0	0	0.28
2003	26	23	949	365.722	-354.966	D	7.664	7.546	0.118	3.2	64.45	34.58	0	0	0	0.97
2003	27	23	833	359.603	-362.066	D	7.668	7.546	0.121	3.2	72.34	27.16	0	0	0	0.5
2003	28	23	947	365.801	-355.162	D	7.546	7.546	0	3.2	77.94	21.91	0	0	0	0.11
2003	29	23	1035	356.477	-356.792	D	7.671	7.546	0.125	3.2	81.26	18.42	0	0	0	0.32
2003	30	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1008	358.048	-354.775	D	7.424	7.406	0.019	2.9	84.76	14.99	0	0	0	0.26
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	958	364.309	-354.601	D	7.418	7.406	0.012	2.9	62.53	36.26	0	0	0	1.23
2003	37	23	955	364.92	-354.582	D	7.457	7.406	0.051	2.9	78.74	20.9	0	0	0	0.36
2003	38	23	930	366.19	-357.232	D	7.48	7.406	0.074	2.9	62.32	36.35	0	0	0	1.33
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	42	23	967	363.478	-354.116	D	7.424	7.406	0.019	2.9	74.18	24.74	0	0	0	1.1

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	43	23	933	366.169	-356.524	D	7.437	7.406	0.032	2.9	56.74	41.27	0	0	0	1.99
2003	44	23	907	365.051	-359.809	D	7.408	7.406	0.003	2.9	78.82	20.49	0	0	0	0.71
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	48	23	10	356.954	-355.443	D	7.406	7.406	0	2.9	82.99	18.09	0	0	0	0.51
2003	49	23	955	364.92	-354.582	D	7.466	7.406	0.06	2.9	86.14	13.56	0	0	0	0.3
2003	50	23	1017	356.894	-355.206	D	7.434	7.406	0.029	2.9	90.08	9.72	0	0	0	0.21
2003	51	23	1017	356.894	-355.206	D	7.479	7.406	0.074	2.9	83.69	16.01	0	0	0	0.31
2003	52	23	1017	356.894	-355.206	D	7.411	7.406	0.005	2.9	93.16	6.69	0	0	0	0.19
2003	53	23	1039	356.522	-357.599	D	7.476	7.406	0.071	2.9	85.25	14.17	0	0	0	0.58
2003	54	23	930	366.19	-357.232	D	7.435	7.406	0.03	2.9	57.2	41.07	0	0	0	1.73
2003	55	23	822	358.021	-361.607	D	7.422	7.406	0.016	2.9	72.4	26.73	0	0	0	0.87
2003	56	23	836	360.07	-362.066	D	7.468	7.406	0.062	2.9	74.13	25.19	0	0	0	0.68
2003	57	23	1035	356.477	-356.792	D	7.465	7.406	0.059	2.9	86.14	13.6	0	0	0	0.27
2003	58	23	1035	356.477	-356.792	D	7.43	7.406	0.024	2.9	89.95	9.87	0	0	0	0.19
2003	59	23	1039	356.522	-357.599	D	7.424	7.406	0.019	2.9	92.08	7.79	0	0	0	0.14
2003	60	23	1017	356.894	-355.206	D	7.407	7.315	0.093	2.708	92.06	7.76	0	0	0	0.18
2003	61	23	949	365.722	-354.966	D	7.517	7.311	0.206	2.7	92.68	7.17	0	0	0	0.15
2003	62	23	907	365.051	-359.809	D	7.315	7.311	0.004	2.7	94.69	5.14	0	0	0	0.2
2003	63	23	930	366.19	-357.232	D	7.315	7.311	0.005	2.7	92.26	7.5	0	0	0	0.25
2003	64	23	1039	356.522	-357.599	D	7.618	7.311	0.307	2.7	79.88	19.62	0	0	0	0.5
2003	65	23	822	358.021	-361.607	D	7.616	7.311	0.306	2.7	84.14	15.39	0	0	0	0.47
2003	66	23	907	365.051	-359.809	D	7.341	7.311	0.03	2.7	90.09	9.66	0	0	0	0.26
2003	67	23	933	366.169	-356.524	D	7.311	7.311	0	2.7	96.96	2.6	0	0	0	0.18
2003	68	23	933	366.169	-356.524	D	7.335	7.311	0.025	2.7	75.69	23.73	0	0	0	0.57
2003	69	23	1008	358.048	-354.775	D	7.315	7.311	0.004	2.7	59.41	39.32	0	0	0	1.29
2003	70	23	1017	356.894	-355.206	D	7.314	7.311	0.003	2.7	85.06	14.65	0	0	0	0.42
2003	71	23	1008	358.048	-354.775	D	7.311	7.311	0	2.7	92.13	7.49	0	0	0	0.24
2003	72	23	118	358.856	-359.103	D	7.542	7.311	0.231	2.7	85.13	14.13	0	0	0	0.75
2003	73	23	853	361.666	-362.175	D	7.325	7.311	0.015	2.7	95.01	4.78	0	0	0	0.23
2003	74	23	1017	356.894	-355.206	D	7.32	7.311	0.009	2.7	95.58	4.22	0	0	0	0.23
2003	75	23	62	357.925	-354.901	D	7.311	7.311	0	2.7	99.21	0.64	0	0	0	0.19
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	822	358.021	-361.607	D	7.412	7.311	0.101	2.7	90.85	8.87	0	0	0	0.29
2003	80	23	907	365.051	-359.809	D	7.393	7.311	0.082	2.7	90.91	8.77	0	0	0	0.32
2003	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1008	358.048	-354.775	D	7.422	7.311	0.112	2.7	86.18	13	0	0	0	0.83
2003	85	23	907	365.051	-359.809	D	7.32	7.311	0.01	2.7	91.7	8.02	0	0	0	0.27
2003	86	23	785	365.637	-355.06	D	7.311	7.311	0	2.7	103.98	1.24	0	0	0	0.2
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	949	365.722	-354.966	D	7.316	7.311	0.006	2.7	97.02	2.39	0	0	0	0.59
2003	96	23	964	363.678	-354.148	D	7.336	7.311	0.025	2.7	93.47	6.16	0	0	0	0.38
2003	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	98	23	947	365.801	-355.162	D	7.331	7.311	0.021	2.7	88.1	11.7	0	0	0	0.21
2003	99	23	930	366.19	-357.232	D	7.374	7.311	0.064	2.7	65.52	33.48	0	0	0	1.01
2003	100	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	101	23	1035	356.477	-356.792	D	7.341	7.311	0.03	2.7	97.87	1.77	0	0	0	0.37
2003	102	23	832	359.493	-362.061	D	7.343	7.311	0.033	2.7	99.02	0.7	0	0	0	0.28
2003	103	23	907	365.051	-359.809	D	7.32	7.311	0.009	2.7	99.56	0.2	0	0	0	0.25
2003	104	23	933	366.169	-356.524	D	7.316	7.311	0.005	2.7	99.47	0.31	0	0	0	0.23
2003	105	23	475	361.905	-354.975	D	7.311	7.311	0	2.7	96.44	0.06	0	0	0	0.18
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	822	358.021	-361.607	D	7.328	7.311	0.017	2.7	87.73	12	0	0	0	0.27
2003	108	23	933	366.169	-356.524	D	7.313	7.311	0.002	2.7	99.69	0.12	0	0	0	0.23
2003	109	23	949	365.722	-354.966	D	7.312	7.311	0.001	2.7	99.55	0.34	0	0	0	0.16
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	824	358.459	-361.601	D	7.315	7.311	0.004	2.7	69.66	28.15	0	0	0	2.21
2003	113	23	822	358.021	-361.607	D	7.319	7.311	0.009	2.7	95.31	4.28	0	0	0	0.42
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	955	364.92	-354.582	D	7.36	7.311	0.049	2.7	93.22	6.24	0	0	0	0.55
2003	116	23	949	365.722	-354.966	D	7.454	7.311	0.143	2.7	91.96	7.55	0	0	0	0.49
2003	117	23	1017	356.894	-355.206	D	7.314	7.311	0.003	2.7	98.2	1.6	0	0	0	0.27
2003	118	23	62	357.925	-354.901	D	7.311	7.311	0	2.7	100.64	0.17	0	0	0	0.22
2003	119	23	618	363.371	-354.411	D	7.311	7.311	0	2.7	100.42	0.57	0	0	0	0.18
2003	120	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	121	23	1017	356.894	-355.206	D	7.581	7.581	0	3.275	98.43	1.06	0	0	0	0.25
2003	122	23	1035	356.477	-356.792	D	7.834	7.593	0.242	3.3	95.99	3.55	0	0	0	0.47
2003	123	23	822	358.021	-361.607	D	7.718	7.593	0.126	3.3	97.01	2.74	0	0	0	0.25
2003	124	23	832	359.493	-362.061	D	7.636	7.593	0.043	3.3	99.38	0.53	0	0	0	0.1
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	964	363.678	-354.148	D	7.674	7.593	0.081	3.3	96.72	3	0	0	0	0.28
2003	128	23	949	365.722	-354.966	D	7.616	7.593	0.024	3.3	99.25	0.55	0	0	0	0.2
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	137	23	967	363.478	-354.116	D	7.626	7.593	0.034	3.3	99.4	0.47	0	0	0	0.14
2003	138	23	1036	356.488	-356.993	D	7.67	7.593	0.077	3.3	97.67	2.21	0	0	0	0.12
2003	139	23	1035	356.477	-356.792	D	7.618	7.593	0.026	3.3	98.4	1.49	0	0	0	0.11
2003	140	23	1035	356.477	-356.792	D	7.675	7.593	0.083	3.3	84.7	14.69	0	0	0	0.61
2003	141	23	905	364.788	-359.816	D	7.593	7.593	0.001	3.3	98.11	1.77	0	0	0	0.07
2003	142	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	97.66	1.84	0	0	0	0.38
2003	143	23	1017	356.894	-355.206	D	7.62	7.593	0.028	3.3	99.3	0.4	0	0	0	0.3
2003	144	23	1008	358.048	-354.775	D	7.743	7.593	0.151	3.3	98.56	1.19	0	0	0	0.24
2003	145	23	1017	356.894	-355.206	D	7.841	7.593	0.248	3.3	96.68	3.16	0	0	0	0.16
2003	146	23	822	358.021	-361.607	D	7.607	7.593	0.015	3.3	99.62	0.25	0	0	0	0.13
2003	147	23	966	363.538	-354.124	D	7.599	7.593	0.006	3.3	99.28	0.19	0	0	0	0.53
2003	148	23	1035	356.477	-356.792	D	7.686	7.593	0.093	3.3	99.16	0.58	0	0	0	0.26
2003	149	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	99.68	0.06	0	0	0	0.2
2003	150	23	947	365.801	-355.162	D	7.631	7.593	0.038	3.3	98.52	1.05	0	0	0	0.42
2003	151	23	822	358.021	-361.607	D	7.615	7.593	0.023	3.3	98.66	0.73	0	0	0	0.61
2003	152	23	2	356.535	-357.209	D	7.593	7.593	0	3.3	99.97	0.2	0	0	0	0.2
2003	153	23	1018	356.892	-355.39	D	7.594	7.593	0.001	3.3	99.19	0.69	0	0	0	0.11
2003	154	23	949	365.722	-354.966	D	7.932	7.593	0.339	3.3	89.09	10.45	0	0	0	0.46
2003	155	23	1035	356.477	-356.792	D	7.895	7.593	0.302	3.3	94.57	5.05	0	0	0	0.38
2003	156	23	1017	356.894	-355.206	D	7.815	7.593	0.222	3.3	99.16	0.58	0	0	0	0.25
2003	157	23	1008	358.048	-354.775	D	7.62	7.593	0.028	3.3	98.55	1.26	0	0	0	0.19
2003	158	23	949	365.722	-354.966	D	7.599	7.593	0.006	3.3	98.49	1.39	0	0	0	0.15
2003	159	23	930	366.19	-357.232	D	7.594	7.593	0.001	3.3	99.75	0.09	0	0	0	0.12

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	964	363.678	-354.148	D	7.599	7.593	0.007	3.3	93.01	6.81	0	0	0	0.19
2003	164	23	1017	356.894	-355.206	D	7.612	7.593	0.019	3.3	99.36	0.48	0	0	0	0.16
2003	165	23	1017	356.894	-355.206	D	7.626	7.593	0.034	3.3	99.24	0.63	0	0	0	0.15
2003	166	23	907	365.051	-359.809	D	7.595	7.593	0.003	3.3	98.96	0.93	0	0	0	0.12
2003	167	23	906	364.982	-359.812	D	7.596	7.593	0.004	3.3	99.37	0.54	0	0	0	0.11
2003	168	23	191	359.732	-362.061	D	7.595	7.593	0.002	3.3	98.79	1.13	0	0	0	0.11
2003	169	23	44	358.21	-361.379	D	7.593	7.593	0.001	3.3	99.57	0.42	0	0	0	0.09
2003	170	23	949	365.722	-354.966	D	7.695	7.593	0.102	3.3	99.59	0.15	0	0	0	0.26
2003	171	23	822	358.021	-361.607	D	7.967	7.593	0.374	3.3	95.92	3.9	0	0	0	0.19
2003	172	23	1035	356.477	-356.792	D	7.601	7.593	0.008	3.3	99.64	0.22	0	0	0	0.14
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	947	365.801	-355.162	D	7.594	7.593	0.001	3.3	99.43	0.19	0	0	0	0.39
2003	178	23	930	366.19	-357.232	D	7.606	7.593	0.014	3.3	98.22	1.26	0	0	0	0.53
2003	179	23	853	361.666	-362.175	D	7.6	7.593	0.008	3.3	99.44	0.29	0	0	0	0.28
2003	180	23	1017	356.894	-355.206	D	7.603	7.593	0.01	3.3	99.6	0.18	0	0	0	0.21
2003	181	23	1017	356.894	-355.206	D	7.595	7.593	0.002	3.3	99.3	0.54	0	0	0	0.17
2003	182	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.75	0.32	0	0	0	0.14
2003	183	23	643	363.609	-354.151	D	7.593	7.593	0.001	3.3	99.3	0.54	0	0	0	0.14
2003	184	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	100.16	0.13	0	0	0	0.14
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	193	23	356	361.22	-361.995	D	7.593	7.593	0	3.3	98.83	0.13	0	0	0	0.33
2003	194	23	967	363.478	-354.116	D	7.725	7.593	0.132	3.3	99	0.71	0	0	0	0.29
2003	195	23	955	364.92	-354.582	D	7.696	7.593	0.103	3.3	99.17	0.63	0	0	0	0.2
2003	196	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.91	0.03	0	0	0	0.15
2003	197	23	949	365.722	-354.966	D	7.606	7.593	0.013	3.3	99.06	0.49	0	0	0	0.46
2003	198	23	907	365.051	-359.809	D	7.599	7.593	0.007	3.3	99.61	0.13	0	0	0	0.27

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	199	23	906	364.982	-359.812	D	7.593	7.593	0	3.3	99.53	0.01	0	0	0	0.21
2003	200	23	543	362.627	-354.444	D	7.593	7.593	0	3.3	94.14	2.36	0	0	0	0.18
2003	201	23	933	366.169	-356.524	D	7.594	7.593	0.001	3.3	99.05	0.83	0	0	0	0.13
2003	202	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	99.18	0.53	0	0	0	0.14
2003	203	23	949	365.722	-354.966	D	7.636	7.593	0.044	3.3	98.2	1	0	0	0	0.8
2003	204	23	933	366.169	-356.524	D	7.638	7.593	0.046	3.3	99.01	0.48	0	0	0	0.52
2003	205	23	1039	356.522	-357.599	D	7.604	7.593	0.011	3.3	99.57	0.1	0	0	0	0.34
2003	206	23	1017	356.894	-355.206	D	7.602	7.593	0.01	3.3	99.58	0.19	0	0	0	0.25
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	966	363.538	-354.124	D	7.745	7.593	0.152	3.3	94.32	5.45	0	0	0	0.23
2003	211	23	907	365.051	-359.809	D	7.741	7.593	0.149	3.3	98.48	1.37	0	0	0	0.15
2003	212	23	907	365.051	-359.809	D	7.681	7.593	0.088	3.3	99.36	0.5	0	0	0	0.14
2003	213	23	930	366.19	-357.232	D	7.641	7.593	0.048	3.3	99.48	0.37	0	0	0	0.15
2003	214	23	930	366.19	-357.232	D	7.597	7.593	0.004	3.3	99.86	0.05	0	0	0	0.11
2003	215	23	955	364.92	-354.582	D	7.595	7.593	0.002	3.3	99.13	0.41	0	0	0	0.44
2003	216	23	949	365.722	-354.966	D	7.596	7.593	0.003	3.3	98.06	1.58	0	0	0	0.37
2003	217	23	949	365.722	-354.966	D	7.618	7.593	0.026	3.3	98.42	1.25	0	0	0	0.33
2003	218	23	933	366.169	-356.524	D	7.662	7.593	0.07	3.3	97.49	2.28	0	0	0	0.23
2003	219	23	822	358.021	-361.607	D	7.601	7.593	0.009	3.3	99.61	0.18	0	0	0	0.21
2003	220	23	2	356.535	-357.209	D	7.593	7.593	0	3.3	87.13	4.8	0	0	0	1.12
2003	221	23	2	356.535	-357.209	D	7.593	7.593	0	3.3	99.33	0.08	0	0	0	0.46
2003	222	23	1036	356.488	-356.993	D	7.593	7.593	0.001	3.3	99.51	0.16	0	0	0	0.36
2003	223	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	100.02	0.38	0	0	0	0.17
2003	224	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	931	366.183	-356.996	D	7.6	7.593	0.007	3.3	99.65	0.05	0	0	0	0.32
2003	231	23	930	366.19	-357.232	D	7.622	7.593	0.03	3.3	99.57	0.22	0	0	0	0.21
2003	232	23	930	366.19	-357.232	D	7.615	7.593	0.022	3.3	99.53	0.32	0	0	0	0.16
2003	233	23	930	366.19	-357.232	D	7.606	7.593	0.014	3.3	99.57	0.32	0	0	0	0.14
2003	234	23	964	363.678	-354.148	D	7.616	7.593	0.023	3.3	99.61	0.1	0	0	0	0.29
2003	235	23	1017	356.894	-355.206	D	7.758	7.593	0.165	3.3	99.51	0.16	0	0	0	0.33
2003	236	23	822	358.021	-361.607	D	7.656	7.593	0.064	3.3	98.83	0.93	0	0	0	0.24
2003	237	23	1017	356.894	-355.206	D	7.665	7.593	0.073	3.3	99.68	0.12	0	0	0	0.2

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	238	23	966	363.538	-354.124	D	7.605	7.593	0.013	3.3	99.8	0.03	0	0	0	0.17
2003	239	23	947	365.801	-355.162	D	7.593	7.593	0.001	3.3	99.94	0.07	0	0	0	0.13
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.11	0.93	0	0	0	0.18
2003	243	23	966	363.538	-354.124	D	7.593	7.593	0.001	3.3	97.92	1.89	0	0	0	0.14
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1035	356.477	-356.792	D	7.639	7.639	0	3.4	95.68	4.05	0	0	0	0.19
2003	246	23	44	358.21	-361.379	D	7.639	7.639	0	3.4	97.26	2.38	0	0	0	0.15
2003	247	23	930	366.19	-357.232	D	8.041	7.639	0.402	3.4	94.64	4.96	0	0	0	0.4
2003	248	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	823	358.24	-361.604	D	7.824	7.639	0.185	3.4	88.15	11.44	0	0	0	0.41
2003	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	259	23	907	365.051	-359.809	D	7.644	7.639	0.005	3.4	99.22	0.47	0	0	0	0.33
2003	260	23	947	365.801	-355.162	D	7.648	7.639	0.009	3.4	98.99	0.74	0	0	0	0.26
2003	261	23	643	363.609	-354.151	D	7.639	7.639	0	3.4	99.3	0.37	0	0	0	0.18
2003	262	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	95.17	5.36	0	0	0	0.85
2003	263	23	966	363.538	-354.124	D	7.791	7.639	0.152	3.4	96.15	3.49	0	0	0	0.36
2003	264	23	1017	356.894	-355.206	D	7.648	7.639	0.009	3.4	99.35	0.39	0	0	0	0.25
2003	265	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	266	23	949	365.722	-354.966	D	7.639	7.639	0	3.4	96.56	2.58	0	0	0	1.23
2003	267	23	710	364.843	-359.589	D	7.639	7.639	0	3.4	89.99	1.17	0	0	0	0.36
2003	268	23	930	366.19	-357.232	D	7.652	7.639	0.014	3.4	91.33	7.24	0	0	0	1.43
2003	269	23	907	365.051	-359.809	D	7.655	7.639	0.016	3.4	98.33	1.4	0	0	0	0.27
2003	270	23	197	359.666	-360.566	D	7.652	7.639	0.013	3.4	82.42	15.83	0	0	0	1.75
2003	271	23	933	366.169	-356.524	D	7.661	7.639	0.022	3.4	65.95	31.36	0	0	0	2.7
2003	272	23	1017	356.894	-355.206	D	7.644	7.639	0.005	3.4	66.22	31.82	0	0	0	1.97
2003	273	23	949	365.722	-354.966	D	7.648	7.639	0.009	3.4	93.01	6.48	0	0	0	0.51
2003	274	23	1035	356.477	-356.792	D	7.599	7.505	0.094	3.112	80.78	18.8	0	0	0	0.42
2003	275	23	907	365.051	-359.809	D	7.506	7.5	0.006	3.1	79.26	19.64	0	0	0	1.11
2003	276	23	1017	356.894	-355.206	D	7.52	7.5	0.02	3.1	95.08	4.57	0	0	0	0.36

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	277	23	949	365.722	-354.966	D	7.534	7.5	0.034	3.1	97.43	1.75	0	0	0	0.84
2003	278	23	930	366.19	-357.232	D	7.6	7.5	0.1	3.1	98.17	1.33	0	0	0	0.5
2003	279	23	832	359.493	-362.061	D	7.577	7.5	0.078	3.1	96.17	3.52	0	0	0	0.31
2003	280	23	811	357.434	-360.225	D	7.524	7.5	0.025	3.1	98.94	0.83	0	0	0	0.24
2003	281	23	1017	356.894	-355.206	D	7.507	7.5	0.008	3.1	99.02	0.82	0	0	0	0.19
2003	282	23	1016	357.1	-355.198	D	7.5	7.5	0	3.1	99.56	0.36	0	0	0	0.19
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	1039	356.522	-357.599	D	7.534	7.5	0.034	3.1	68.97	28.71	0	0	0	2.32
2003	286	23	1039	356.522	-357.599	D	7.52	7.5	0.02	3.1	98.12	1.52	0	0	0	0.36
2003	287	23	1008	358.048	-354.775	D	7.542	7.5	0.042	3.1	87.53	12.28	0	0	0	0.19
2003	288	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	97.92	1.89	0	0	0	0.82
2003	289	23	930	366.19	-357.232	D	7.5	7.5	0	3.1	97.54	1.43	0	0	0	0.51
2003	290	23	932	366.176	-356.761	D	7.516	7.5	0.016	3.1	92.04	7.81	0	0	0	0.16
2003	291	23	1017	356.894	-355.206	D	7.507	7.5	0.008	3.1	98.33	1.22	0	0	0	0.47
2003	292	23	853	361.666	-362.175	D	7.51	7.5	0.011	3.1	98.94	0.75	0	0	0	0.32
2003	293	23	907	365.051	-359.809	D	7.501	7.5	0.002	3.1	99.69	0.19	0	0	0	0.24
2003	294	23	947	365.801	-355.162	D	7.507	7.5	0.007	3.1	98.5	0.4	0	0	0	1.13
2003	295	23	907	365.051	-359.809	D	7.53	7.5	0.03	3.1	95.7	3.43	0	0	0	0.88
2003	296	23	1017	356.894	-355.206	D	7.521	7.5	0.021	3.1	98.4	0.93	0	0	0	0.68
2003	297	23	949	365.722	-354.966	D	7.53	7.5	0.031	3.1	98.12	1.36	0	0	0	0.52
2003	298	23	907	365.051	-359.809	D	7.542	7.5	0.042	3.1	91.31	8.03	0	0	0	0.66
2003	299	23	949	365.722	-354.966	D	7.511	7.5	0.012	3.1	80.55	18.74	0	0	0	0.72
2003	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	305	23	565	362.919	-355.429	D	7.729	7.5	0.229	3.1	89.22	10.06	0	0	0	0.72
2003	306	23	963	363.809	-354.192	D	7.501	7.5	0.001	3.1	97.34	2.28	0	0	0	0.34
2003	307	23	14	357.202	-355.432	D	7.5	7.5	0	3.1	95.82	6.12	0	0	0	0.2
2003	308	23	1017	356.894	-355.206	D	7.575	7.5	0.075	3.1	95.25	4.58	0	0	0	0.16
2003	309	23	822	358.021	-361.607	D	7.967	7.5	0.468	3.1	95	4.84	0	0	0	0.16
2003	310	23	832	359.493	-362.061	D	7.743	7.5	0.244	3.1	94.13	5.76	0	0	0	0.11
2003	311	23	191	359.732	-362.061	D	7.5	7.5	0.001	3.1	97.42	2.59	0	0	0	0.08
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	930	366.19	-357.232	D	7.514	7.5	0.014	3.1	55.66	41.63	0	0	0	2.72
2003	318	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	87.4	12.22	0	0	0	0.63
2003	319	23	929	366.032	-357.239	D	7.5	7.5	0	3.1	81.6	16.41	0	0	0	0.44
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	949	365.722	-354.966	D	7.569	7.5	0.069	3.1	93.98	5.67	0	0	0	0.35
2003	323	23	930	366.19	-357.232	D	7.592	7.5	0.092	3.1	91.02	8.63	0	0	0	0.35
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	7.516	7.5	0.017	3.1	85.45	14.35	0	0	0	0.19
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	933	366.169	-356.524	D	7.721	7.5	0.221	3.1	83.65	15.84	0	0	0	0.52
2003	332	23	907	365.051	-359.809	D	7.503	7.5	0.003	3.1	89.86	10.04	0	0	0	0.11
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	907	365.051	-359.809	D	7.61	7.589	0.021	3.292	58.4	39.02	0	0	0	2.58
2003	336	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	1017	356.894	-355.206	D	7.78	7.593	0.188	3.3	82.16	17.38	0	0	0	0.46
2003	339	23	644	364.12	-360.12	D	7.593	7.593	0	3.3	74.13	16.76	0	0	0	0.33
2003	340	23	941	365.977	-355.774	D	7.605	7.593	0.012	3.3	77.31	22.13	0	0	0	0.56
2003	341	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	79.25	20.42	0	0	0	0.33
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	966	363.538	-354.124	D	7.66	7.593	0.067	3.3	84.66	14.91	0	0	0	0.43
2003	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	346	23	949	365.722	-354.966	D	7.646	7.593	0.053	3.3	76.39	23.16	0	0	0	0.45
2003	347	23	1035	356.477	-356.792	D	7.596	7.593	0.003	3.3	83.64	16.15	0	0	0	0.22
2003	348	23	1039	356.522	-357.599	D	7.604	7.593	0.011	3.3	87.61	12.24	0	0	0	0.15
2003	349	23	948	365.727	-355.056	D	7.596	7.593	0.003	3.3	89.2	10.71	0	0	0	0.11
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	773	365.4	-355.32	D	7.627	7.593	0.034	3.3	65.58	33.53	0	0	0	0.9
2003	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	359	23	947	365.801	-355.162	D	7.615	7.593	0.023	3.3	78.14	21.42	0	0	0	0.44
2003	360	23	933	366.169	-356.524	D	7.599	7.593	0.006	3.3	82.09	17.55	0	0	0	0.36
2003	361	23	569	362.875	-354.433	D	7.593	7.593	0	3.3	84.29	14.17	0	0	0	0.19
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.468							
COLUMBIA											**% of Modeled Extinction by Species**					
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DELTA DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1	356.546	-357.458	D	7.548	7.548	0	3.204	0	0	0	0	0	0
2003	2	23	1039	356.522	-357.599	D	7.56	7.546	0.014	3.2	37.24	62.77	0	0	0	0
2003	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	7	23	930	366.19	-357.232	D	7.547	7.546	0	3.2	74.24	25.74	0	0	0	0
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	930	366.19	-357.232	D	7.559	7.546	0.013	3.2	76.25	23.76	0	0	0	0
2003	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	12	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	60.73	39.47	0	0	0	0
2003	13	23	931	366.183	-356.996	D	7.546	7.546	0	3.2	64.24	35.84	0	0	0	0
2003	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	15	23	930	366.19	-357.232	D	7.554	7.546	0.008	3.2	51.56	48.46	0	0	0	0
2003	16	23	1039	356.522	-357.599	D	7.582	7.546	0.036	3.2	65.32	34.69	0	0	0	0
2003	17	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	930	366.19	-357.232	D	7.562	7.546	0.016	3.2	61.5	38.5	0	0	0	0
2003	22	23	967	363.478	-354.116	D	7.583	7.546	0.037	3.2	51.95	48.05	0	0	0	0
2003	23	23	907	365.051	-359.809	D	7.547	7.546	0.001	3.2	72.39	27.66	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	24	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	68.04	32.17	0	0	0	0
2003	25	23	930	366.19	-357.232	D	7.547	7.546	0.001	3.2	69.35	30.79	0	0	0	0
2003	26	23	644	364.12	-360.12	D	7.546	7.546	0	3.2	61.79	18.34	0	0	0	0
2003	27	23	930	366.19	-357.232	D	7.552	7.546	0.006	3.2	60.31	39.72	0	0	0	0
2003	28	23	786	365.973	-357.042	D	7.546	7.546	0	3.2	69.56	29.59	0	0	0	0
2003	29	23	930	366.19	-357.232	D	7.584	7.546	0.038	3.2	42.62	57.39	0	0	0	0
2003	30	23	1017	356.894	-355.206	D	7.546	7.546	0	3.2	86.38	14.36	0	0	0	0
2003	31	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	964	363.678	-354.148	D	7.406	7.406	0	2.9	81	20.78	0	0	0	0
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	933	366.169	-356.524	D	7.406	7.406	0.001	2.9	54.66	45.52	0	0	0	0
2003	37	23	1008	358.048	-354.775	D	7.434	7.406	0.028	2.9	69.22	30.78	0	0	0	0
2003	38	23	1035	356.477	-356.792	D	7.513	7.406	0.107	2.9	77.52	22.48	0	0	0	0
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	44	23	906	364.982	-359.812	D	7.406	7.406	0	2.9	66.36	33.86	0	0	0	0
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	1037	356.5	-357.195	D	7.465	7.406	0.06	2.9	74.32	25.68	0	0	0	0
2003	48	23	1008	358.048	-354.775	D	7.447	7.406	0.042	2.9	62.61	37.39	0	0	0	0
2003	49	23	933	366.169	-356.524	D	7.447	7.406	0.042	2.9	71.37	28.63	0	0	0	0
2003	50	23	966	363.538	-354.124	D	7.415	7.406	0.009	2.9	84.1	15.93	0	0	0	0
2003	51	23	1017	356.894	-355.206	D	7.49	7.406	0.084	2.9	75.71	24.3	0	0	0	0
2003	52	23	1017	356.894	-355.206	D	7.409	7.406	0.003	2.9	88.04	12.02	0	0	0	0
2003	53	23	1017	356.894	-355.206	D	7.451	7.406	0.045	2.9	69.94	30.07	0	0	0	0
2003	54	23	822	358.021	-361.607	D	7.446	7.406	0.04	2.9	61.91	38.09	0	0	0	0
2003	55	23	822	358.021	-361.607	D	7.438	7.406	0.032	2.9	69.55	30.45	0	0	0	0
2003	56	23	78	358.239	-356.385	D	7.46	7.406	0.054	2.9	41.53	58.48	0	0	0	0
2003	57	23	822	358.021	-361.607	D	7.437	7.406	0.032	2.9	75.04	24.97	0	0	0	0
2003	58	23	1039	356.522	-357.599	D	7.422	7.406	0.016	2.9	80.83	19.19	0	0	0	0
2003	59	23	1017	356.894	-355.206	D	7.429	7.406	0.023	2.9	82.74	17.26	0	0	0	0
2003	60	23	1008	358.048	-354.775	D	7.362	7.315	0.048	2.708	84.91	15.09	0	0	0	0
2003	61	23	949	365.722	-354.966	D	7.385	7.311	0.074	2.7	87.14	12.86	0	0	0	0
2003	62	23	907	365.051	-359.809	D	7.312	7.311	0.001	2.7	91.51	8.5	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	64	23	949	365.722	-354.966	D	7.367	7.311	0.056	2.7	77.29	22.71	0	0	0	0
2003	65	23	949	365.722	-354.966	D	7.36	7.311	0.049	2.7	76.64	23.36	0	0	0	0
2003	66	23	930	366.19	-357.232	D	7.329	7.311	0.018	2.7	77.53	22.48	0	0	0	0
2003	67	23	933	366.169	-356.524	D	7.312	7.311	0.001	2.7	93.44	6.53	0	0	0	0
2003	68	23	907	365.051	-359.809	D	7.386	7.311	0.075	2.7	46.73	53.27	0	0	0	0
2003	69	23	845	360.851	-362.181	D	7.423	7.311	0.112	2.7	57.5	42.5	0	0	0	0
2003	70	23	1039	356.522	-357.599	D	7.373	7.311	0.062	2.7	79.41	20.59	0	0	0	0
2003	71	23	949	365.722	-354.966	D	7.315	7.311	0.004	2.7	92.5	7.5	0	0	0	0
2003	72	23	933	366.169	-356.524	D	7.347	7.311	0.036	2.7	93.17	6.84	0	0	0	0
2003	73	23	822	358.021	-361.607	D	7.324	7.311	0.014	2.7	92.06	7.95	0	0	0	0
2003	74	23	1017	356.894	-355.206	D	7.32	7.311	0.01	2.7	94.55	5.46	0	0	0	0
2003	75	23	62	357.925	-354.901	D	7.312	7.311	0.001	2.7	98.6	1.58	0	0	0	0
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	822	358.021	-361.607	D	7.36	7.311	0.05	2.7	83.21	16.79	0	0	0	0
2003	80	23	853	361.666	-362.175	D	7.351	7.311	0.04	2.7	80.02	19.98	0	0	0	0
2003	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	949	365.722	-354.966	D	7.32	7.311	0.009	2.7	77.78	22.23	0	0	0	0
2003	85	23	1017	356.894	-355.206	D	7.325	7.311	0.014	2.7	50.05	49.96	0	0	0	0
2003	86	23	10	356.954	-355.443	D	7.311	7.311	0	2.7	97.99	4.98	0	0	0	0
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	96	23	949	365.722	-354.966	D	7.322	7.311	0.011	2.7	78.22	21.78	0	0	0	0
2003	97	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	98	23	933	366.169	-356.524	D	7.324	7.311	0.013	2.7	81.78	18.23	0	0	0	0
2003	99	23	949	365.722	-354.966	D	7.357	7.311	0.047	2.7	79.42	20.58	0	0	0	0
2003	100	23	853	361.666	-362.175	D	7.365	7.311	0.054	2.7	79.4	20.61	0	0	0	0
2003	101	23	955	364.92	-354.582	D	7.336	7.311	0.026	2.7	95.1	4.91	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	102	23	933	366.169	-356.524	D	7.348	7.311	0.037	2.7	98.06	1.94	0	0	0	0
2003	103	23	930	366.19	-357.232	D	7.312	7.311	0.001	2.7	99.63	0.48	0	0	0	0
2003	104	23	929	366.032	-357.239	D	7.311	7.311	0	2.7	98.59	1.1	0	0	0	0
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	949	365.722	-354.966	D	7.32	7.311	0.01	2.7	78.62	21.39	0	0	0	0
2003	108	23	949	365.722	-354.966	D	7.311	7.311	0.001	2.7	99.85	0.32	0	0	0	0
2003	109	23	785	365.637	-355.06	D	7.311	7.311	0	2.7	99.63	0.56	0	0	0	0
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	949	365.722	-354.966	D	7.322	7.311	0.011	2.7	78.68	21.34	0	0	0	0
2003	113	23	1017	356.894	-355.206	D	7.314	7.311	0.003	2.7	95.47	4.57	0	0	0	0
2003	114	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	115	23	966	363.538	-354.124	D	7.327	7.311	0.017	2.7	86.81	13.21	0	0	0	0
2003	116	23	947	365.801	-355.162	D	7.357	7.311	0.046	2.7	81.83	18.17	0	0	0	0
2003	117	23	1035	356.477	-356.792	D	7.314	7.311	0.003	2.7	96.9	3.13	0	0	0	0
2003	118	23	965	363.588	-354.142	D	7.311	7.311	0	2.7	100.35	0.3	0	0	0	0
2003	119	23	967	363.478	-354.116	D	7.311	7.311	0	2.7	98.87	1.77	0	0	0	0
2003	120	23	730	364.623	-354.605	D	7.311	7.311	0	2.7	94.33	0.73	0	0	0	0
2003	121	23	62	357.925	-354.901	D	7.581	7.581	0	3.275	98.19	2	0	0	0	0
2003	122	23	949	365.722	-354.966	D	7.692	7.593	0.099	3.3	96.55	3.45	0	0	0	0
2003	123	23	1002	359.309	-354.73	D	7.831	7.593	0.238	3.3	92.51	7.49	0	0	0	0
2003	124	23	846	360.93	-362.178	D	7.607	7.593	0.014	3.3	98.83	1.18	0	0	0	0
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	967	363.478	-354.116	D	7.623	7.593	0.031	3.3	95.48	4.52	0	0	0	0
2003	128	23	949	365.722	-354.966	D	7.602	7.593	0.009	3.3	99.06	0.93	0	0	0	0
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	137	23	966	363.538	-354.124	D	7.597	7.593	0.004	3.3	99.37	0.62	0	0	0	0
2003	138	23	1035	356.477	-356.792	D	7.615	7.593	0.022	3.3	95.88	4.12	0	0	0	0
2003	139	23	1017	356.894	-355.206	D	7.599	7.593	0.006	3.3	97.43	2.6	0	0	0	0
2003	140	23	930	366.19	-357.232	D	7.696	7.593	0.103	3.3	80.63	19.37	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	141	23	930	366.19	-357.232	D	7.614	7.593	0.021	3.3	94.54	5.47	0	0	0	0
2003	142	23	1017	356.894	-355.206	D	7.649	7.593	0.056	3.3	97.94	2.06	0	0	0	0
2003	143	23	1008	358.048	-354.775	D	7.694	7.593	0.102	3.3	99	1	0	0	0	0
2003	144	23	964	363.678	-354.148	D	7.751	7.593	0.159	3.3	98.52	1.48	0	0	0	0
2003	145	23	1008	358.048	-354.775	D	7.757	7.593	0.165	3.3	95.83	4.17	0	0	0	0
2003	146	23	822	358.021	-361.607	D	7.641	7.593	0.049	3.3	98.18	1.83	0	0	0	0
2003	147	23	1017	356.894	-355.206	D	7.601	7.593	0.009	3.3	96.22	3.79	0	0	0	0
2003	148	23	822	358.021	-361.607	D	7.604	7.593	0.011	3.3	99.4	0.61	0	0	0	0
2003	149	23	852	361.595	-362.148	D	7.593	7.593	0	3.3	99.95	0.1	0	0	0	0
2003	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	151	23	947	365.801	-355.162	D	7.596	7.593	0.004	3.3	99.44	0.55	0	0	0	0
2003	152	23	1037	356.5	-357.195	D	7.603	7.593	0.011	3.3	98.32	1.69	0	0	0	0
2003	153	23	1035	356.477	-356.792	D	7.594	7.593	0.002	3.3	98.54	1.48	0	0	0	0
2003	154	23	949	365.722	-354.966	D	7.653	7.593	0.06	3.3	81.96	18.04	0	0	0	0
2003	155	23	933	366.169	-356.524	D	7.597	7.593	0.004	3.3	78.88	21.17	0	0	0	0
2003	156	23	854	361.771	-362.091	D	7.606	7.593	0.014	3.3	99.62	0.38	0	0	0	0
2003	157	23	949	365.722	-354.966	D	7.627	7.593	0.035	3.3	97.71	2.29	0	0	0	0
2003	158	23	15	357.659	-360.155	D	7.593	7.593	0	3.3	96.28	0.11	0	0	0	0
2003	159	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	164	23	1017	356.894	-355.206	D	7.593	7.593	0.001	3.3	99.87	0.22	0	0	0	0
2003	165	23	949	365.722	-354.966	D	7.793	7.593	0.2	3.3	89.28	10.72	0	0	0	0
2003	166	23	853	361.666	-362.175	D	7.657	7.593	0.064	3.3	98.12	1.88	0	0	0	0
2003	167	23	907	365.051	-359.809	D	7.619	7.593	0.026	3.3	98.96	1.04	0	0	0	0
2003	168	23	853	361.666	-362.175	D	7.607	7.593	0.014	3.3	98.09	1.92	0	0	0	0
2003	169	23	822	358.021	-361.607	D	7.598	7.593	0.005	3.3	98.38	1.6	0	0	0	0
2003	170	23	1035	356.477	-356.792	D	7.632	7.593	0.039	3.3	99.49	0.51	0	0	0	0
2003	171	23	853	361.666	-362.175	D	7.697	7.593	0.105	3.3	91.77	8.23	0	0	0	0
2003	172	23	1039	356.522	-357.599	D	7.603	7.593	0.01	3.3	99.21	0.79	0	0	0	0
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	178	23	775	365.747	-357.551	D	7.593	7.593	0	3.3	98.49	0.17	0	0	0	0
2003	179	23	907	365.051	-359.809	D	7.596	7.593	0.003	3.3	99.53	0.5	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	180	23	968	363.482	-354.216	D	7.596	7.593	0.003	3.3	99.72	0.28	0	0	0	0
2003	181	23	747	364.871	-354.594	D	7.594	7.593	0.001	3.3	99.58	0.38	0	0	0	0
2003	182	23	10	356.954	-355.443	D	7.593	7.593	0	3.3	99.9	0.69	0	0	0	0
2003	183	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	99.39	0.72	0	0	0	0
2003	184	23	642	363.62	-354.4	D	7.593	7.593	0	3.3	98.92	0.22	0	0	0	0
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	194	23	949	365.722	-354.966	D	7.597	7.593	0.004	3.3	99.91	0.1	0	0	0	0
2003	195	23	949	365.722	-354.966	D	7.613	7.593	0.02	3.3	99.18	0.83	0	0	0	0
2003	196	23	947	365.801	-355.162	D	7.593	7.593	0	3.3	99.95	0.07	0	0	0	0
2003	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	198	23	914	365.435	-358.584	D	7.593	7.593	0	3.3	99.96	0.17	0	0	0	0
2003	199	23	407	361.716	-361.973	D	7.593	7.593	0	3.3	98.46	0.09	0	0	0	0
2003	200	23	785	365.637	-355.06	D	7.593	7.593	0	3.3	100.27	0.08	0	0	0	0
2003	201	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.36	0.79	0	0	0	0
2003	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	204	23	1017	356.894	-355.206	D	7.631	7.593	0.038	3.3	98.14	1.87	0	0	0	0
2003	205	23	1035	356.477	-356.792	D	7.683	7.593	0.09	3.3	99.49	0.52	0	0	0	0
2003	206	23	1017	356.894	-355.206	D	7.617	7.593	0.024	3.3	99.42	0.59	0	0	0	0
2003	207	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	933	366.169	-356.524	D	7.637	7.593	0.045	3.3	89.32	10.68	0	0	0	0
2003	211	23	930	366.19	-357.232	D	7.663	7.593	0.07	3.3	96.76	3.24	0	0	0	0
2003	212	23	930	366.19	-357.232	D	7.634	7.593	0.042	3.3	98.51	1.5	0	0	0	0
2003	213	23	907	365.051	-359.809	D	7.606	7.593	0.014	3.3	99.42	0.57	0	0	0	0
2003	214	23	930	366.19	-357.232	D	7.596	7.593	0.003	3.3	99.86	0.15	0	0	0	0
2003	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	217	23	948	365.727	-355.056	D	7.593	7.593	0	3.3	99.73	0.16	0	0	0	0
2003	218	23	1017	356.894	-355.206	D	7.627	7.593	0.034	3.3	99.15	0.85	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	219	23	1035	356.477	-356.792	D	7.673	7.593	0.08	3.3	91.66	8.34	0	0	0	0
2003	220	23	853	361.666	-362.175	D	7.699	7.593	0.107	3.3	98.93	1.07	0	0	0	0
2003	221	23	1035	356.477	-356.792	D	7.639	7.593	0.047	3.3	98.99	1.01	0	0	0	0
2003	222	23	1039	356.522	-357.599	D	7.65	7.593	0.058	3.3	99	1	0	0	0	0
2003	223	23	822	358.021	-361.607	D	7.601	7.593	0.008	3.3	99.5	0.52	0	0	0	0
2003	224	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	98.86	1.01	0	0	0	0
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	930	366.19	-357.232	D	7.595	7.593	0.002	3.3	99.92	0.06	0	0	0	0
2003	231	23	930	366.19	-357.232	D	7.607	7.593	0.014	3.3	99.64	0.37	0	0	0	0
2003	232	23	907	365.051	-359.809	D	7.603	7.593	0.01	3.3	99.5	0.51	0	0	0	0
2003	233	23	930	366.19	-357.232	D	7.599	7.593	0.006	3.3	99.47	0.51	0	0	0	0
2003	234	23	949	365.722	-354.966	D	7.598	7.593	0.005	3.3	99.72	0.29	0	0	0	0
2003	235	23	930	366.19	-357.232	D	7.645	7.593	0.052	3.3	99.55	0.45	0	0	0	0
2003	236	23	822	358.021	-361.607	D	7.646	7.593	0.054	3.3	98.15	1.86	0	0	0	0
2003	237	23	1017	356.894	-355.206	D	7.651	7.593	0.058	3.3	99.75	0.25	0	0	0	0
2003	238	23	967	363.478	-354.116	D	7.602	7.593	0.009	3.3	99.97	0.05	0	0	0	0
2003	239	23	747	364.871	-354.594	D	7.593	7.593	0	3.3	99.97	0.05	0	0	0	0
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	730	364.623	-354.605	D	7.593	7.593	0	3.3	96.03	3.98	0	0	0	0
2003	243	23	643	363.609	-354.151	D	7.593	7.593	0	3.3	96.48	3.8	0	0	0	0
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1017	356.894	-355.206	D	7.664	7.639	0.025	3.4	98.98	1.03	0	0	0	0
2003	246	23	1039	356.522	-357.599	D	7.686	7.639	0.047	3.4	95.63	4.37	0	0	0	0
2003	247	23	931	366.183	-356.996	D	7.747	7.639	0.108	3.4	92.56	7.44	0	0	0	0
2003	248	23	1035	356.477	-356.792	D	7.7	7.639	0.061	3.4	94.76	5.24	0	0	0	0
2003	249	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	250	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	867	361.467	-360.706	D	7.737	7.639	0.099	3.4	85.33	14.67	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	259	23	930	366.19	-357.232	D	7.641	7.639	0.002	3.4	99.56	0.4	0	0	0	0
2003	260	23	930	366.19	-357.232	D	7.654	7.639	0.016	3.4	98.7	1.31	0	0	0	0
2003	261	23	643	363.609	-354.151	D	7.64	7.639	0.001	3.4	99.34	0.64	0	0	0	0
2003	262	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	263	23	933	366.169	-356.524	D	7.677	7.639	0.039	3.4	96.93	3.07	0	0	0	0
2003	264	23	1017	356.894	-355.206	D	7.665	7.639	0.026	3.4	99.03	0.98	0	0	0	0
2003	265	23	747	364.871	-354.594	D	7.64	7.639	0.001	3.4	96.79	3.35	0	0	0	0
2003	266	23	356	361.22	-361.995	D	7.639	7.639	0	3.4	71.18	0.16	0	0	0	0
2003	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	268	23	1017	356.894	-355.206	D	7.648	7.639	0.009	3.4	83.73	16.26	0	0	0	0
2003	269	23	930	366.19	-357.232	D	7.644	7.639	0.006	3.4	95.31	4.7	0	0	0	0
2003	270	23	930	366.19	-357.232	D	7.639	7.639	0	3.4	61.66	38.19	0	0	0	0
2003	271	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	272	23	927	365.912	-357.454	D	7.697	7.639	0.058	3.4	53.24	46.76	0	0	0	0
2003	273	23	907	365.051	-359.809	D	7.644	7.639	0.005	3.4	93.88	6.12	0	0	0	0
2003	274	23	1008	358.048	-354.775	D	7.528	7.505	0.023	3.112	77.59	22.41	0	0	0	0
2003	275	23	78	358.239	-356.385	D	7.502	7.5	0.003	3.1	53.76	46.28	0	0	0	0
2003	276	23	1017	356.894	-355.206	D	7.502	7.5	0.002	3.1	91.51	8.56	0	0	0	0
2003	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	278	23	932	366.176	-356.761	D	7.503	7.5	0.003	3.1	98.12	1.89	0	0	0	0
2003	279	23	930	366.19	-357.232	D	7.526	7.5	0.027	3.1	94.75	5.26	0	0	0	0
2003	280	23	811	357.434	-360.225	D	7.519	7.5	0.02	3.1	98.35	1.66	0	0	0	0
2003	281	23	1017	356.894	-355.206	D	7.504	7.5	0.004	3.1	98.93	1.11	0	0	0	0
2003	282	23	10	356.954	-355.443	D	7.5	7.5	0	3.1	100.06	0.55	0	0	0	0
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	961	364.092	-354.289	D	7.533	7.5	0.034	3.1	96.96	3.04	0	0	0	0
2003	286	23	1035	356.477	-356.792	D	7.528	7.5	0.029	3.1	97.56	2.44	0	0	0	0
2003	287	23	949	365.722	-354.966	D	7.504	7.5	0.004	3.1	89.29	10.72	0	0	0	0
2003	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	290	23	1017	356.894	-355.206	D	7.504	7.5	0.004	3.1	84.48	15.55	0	0	0	0
2003	291	23	1017	356.894	-355.206	D	7.524	7.5	0.024	3.1	94.2	5.82	0	0	0	0
2003	292	23	853	361.666	-362.175	D	7.509	7.5	0.01	3.1	98.98	1.03	0	0	0	0
2003	293	23	907	365.051	-359.809	D	7.5	7.5	0	3.1	100.11	0.28	0	0	0	0
2003	294	23	595	363.624	-360.142	D	7.5	7.5	0	3.1	96	0.51	0	0	0	0
2003	295	23	1035	356.477	-356.792	D	7.508	7.5	0.008	3.1	98.21	1.8	0	0	0	0
2003	296	23	966	363.538	-354.124	D	7.508	7.5	0.008	3.1	98.17	1.82	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	297	23	949	365.722	-354.966	D	7.515	7.5	0.015	3.1	97.51	2.5	0	0	0	0
2003	298	23	352	360.719	-356.275	D	7.607	7.5	0.107	3.1	76.96	23.04	0	0	0	0
2003	299	23	907	365.051	-359.809	D	7.515	7.5	0.016	3.1	70.5	29.5	0	0	0	0
2003	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	305	23	955	364.92	-354.582	D	7.657	7.5	0.157	3.1	70.5	29.5	0	0	0	0
2003	306	23	643	363.609	-354.151	D	7.5	7.5	0	3.1	94.83	5.15	0	0	0	0
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	1009	357.941	-354.82	D	7.505	7.5	0.006	3.1	87.69	12.33	0	0	0	0
2003	309	23	853	361.666	-362.175	D	7.551	7.5	0.051	3.1	82.05	17.96	0	0	0	0
2003	310	23	930	366.19	-357.232	D	7.606	7.5	0.107	3.1	78.15	21.86	0	0	0	0
2003	311	23	822	358.021	-361.607	D	7.545	7.5	0.045	3.1	78.23	21.77	0	0	0	0
2003	312	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	318	23	519	362.902	-360.673	D	7.5	7.5	0	3.1	80.15	14.97	0	0	0	0
2003	319	23	775	365.747	-357.551	D	7.5	7.5	0	3.1	73.41	19.44	0	0	0	0
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	323	23	931	366.183	-356.996	D	7.501	7.5	0.002	3.1	87.57	12.45	0	0	0	0
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1017	356.894	-355.206	D	7.516	7.5	0.016	3.1	77.39	22.62	0	0	0	0
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	947	365.801	-355.162	D	7.51	7.5	0.011	3.1	81.65	18.37	0	0	0	0
2003	332	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	83.32	16.69	0	0	0	0
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	78	358.239	-356.385	D	7.648	7.589	0.059	3.292	45.83	54.16	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	336	23	1017	356.894	-355.206	D	7.594	7.593	0.001	3.3	70.64	29.41	0	0	0	0
2003	337	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	338	23	966	363.538	-354.124	D	7.67	7.593	0.077	3.3	75.8	24.19	0	0	0	0
2003	339	23	822	358.021	-361.607	D	7.593	7.593	0	3.3	86.86	13.29	0	0	0	0
2003	340	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	73.87	25.68	0	0	0	0
2003	341	23	931	366.183	-356.996	D	7.599	7.593	0.007	3.3	67.76	32.26	0	0	0	0
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	955	364.92	-354.582	D	7.626	7.593	0.033	3.3	77.84	22.17	0	0	0	0
2003	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	346	23	949	365.722	-354.966	D	7.615	7.593	0.022	3.3	71.39	28.61	0	0	0	0
2003	347	23	1035	356.477	-356.792	D	7.597	7.593	0.004	3.3	75.15	24.88	0	0	0	0
2003	348	23	822	358.021	-361.607	D	7.602	7.593	0.009	3.3	80.65	19.38	0	0	0	0
2003	349	23	947	365.801	-355.162	D	7.595	7.593	0.002	3.3	83.35	16.68	0	0	0	0
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	933	366.169	-356.524	D	7.619	7.593	0.026	3.3	49.55	50.45	0	0	0	0
2003	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	360	23	932	366.176	-356.761	D	7.594	7.593	0.001	3.3	80	19.93	0	0	0	0
2003	361	23	774	365.389	-355.071	D	7.593	7.593	0	3.3	81.33	18.3	0	0	0	0
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									0.238							
HOLCIM									**DELTA**	**% of Modeled Extinction by Species**						
YEAR	**DAY**	**HR**	**RECEPTOR**	**COORDINATES**	**(km)**	**TYPE**	**DV(Total)**	**DV(BKG)**	**DV**	**F(RH)**	**%_SO4**	**%_NO3**	**%_OC**	**%_EC**	**%_PMC**	**%_PMF**
2003	1	23	1017	356.894	-355.206	D	7.549	7.548	0	3.204	18.81	80.45	0	0	0	0.58
2003	2	23	930	366.19	-357.232	D	7.665	7.546	0.119	3.2	18.17	81.36	0	0	0	0.47
2003	3	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	4	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	5	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	6	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	7	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	8	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	9	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	10	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	11	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	12	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	13	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	14	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	15	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	16	23	822	358.021	-361.607	D	7.88	7.546	0.333	3.2	50.51	49.31	0	0	0	0.18
2003	17	23	907	365.051	-359.809	D	7.547	7.546	0.001	3.2	58.71	41.26	0	0	0	0.07
2003	18	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	19	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	20	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	21	23	949	365.722	-354.966	D	7.652	7.546	0.106	3.2	45.17	54.68	0	0	0	0.15
2003	22	23	927	365.912	-357.454	D	8.195	7.546	**0.649**	3.2	22.98	76.62	0	0	0	0.4
2003	23	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	24	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	25	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	26	23	1	356.546	-357.458	D	7.546	7.546	0	3.2	0	0	0	0	0	0
2003	27	23	930	366.19	-357.232	D	7.547	7.546	0	3.2	55.29	44.74	0	0	0	0.16
2003	28	23	710	364.843	-359.589	D	7.546	7.546	0	3.2	49.19	40.17	0	0	0	0.09
2003	29	23	907	365.051	-359.809	D	7.547	7.546	0.001	3.2	66.55	33.3	0	0	0	0.19
2003	30	23	1017	356.894	-355.206	D	8.013	7.546	0.466	3.2	64.2	35.65	0	0	0	0.15
2003	31	23	1017	356.894	-355.206	D	7.548	7.546	0.002	3.2	79.4	20.51	0	0	0	0.1
2003	32	23	1	356.546	-357.458	D	7.411	7.411	0	2.913	0	0	0	0	0	0
2003	33	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	34	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	35	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	36	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	37	23	941	365.977	-355.774	D	7.437	7.406	0.031	2.9	54.6	45.26	0	0	0	0.15
2003	38	23	907	365.051	-359.809	D	7.434	7.406	0.028	2.9	59.25	40.65	0	0	0	0.1
2003	39	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	40	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	41	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	42	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	43	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	44	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	45	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	46	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	47	23	930	366.19	-357.232	D	7.664	7.406	0.259	2.9	37.01	62.6	0	0	0	0.39
2003	48	23	907	365.051	-359.809	D	7.794	7.406	0.388	2.9	60.1	39.69	0	0	0	0.21
2003	49	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	50	23	744	364.904	-355.342	D	7.406	7.406	0	2.9	72.24	27.34	0	0	0	0.09
2003	51	23	805	357.408	-359.021	D	8.061	7.406	**0.655**	2.9	65.86	34.01	0	0	0	0.14
2003	52	23	1008	358.048	-354.775	D	7.454	7.406	0.048	2.9	77.02	22.9	0	0	0	0.09
2003	53	23	933	366.169	-356.524	D	7.635	7.406	0.229	2.9	62.84	37	0	0	0	0.16
2003	54	23	1	356.546	-357.458	D	7.406	7.406	0	2.9	0	0	0	0	0	0
2003	55	23	949	365.722	-354.966	D	7.776	7.406	0.371	2.9	57.62	42.27	0	0	0	0.1
2003	56	23	933	366.169	-356.524	D	7.623	7.406	0.218	2.9	33.07	66.66	0	0	0	0.27
2003	57	23	1003	359.099	-354.737	D	7.854	7.406	0.449	2.9	45.25	54.59	0	0	0	0.16
2003	58	23	1017	356.894	-355.206	D	7.555	7.406	0.149	2.9	57.86	42.02	0	0	0	0.12
2003	59	23	1017	356.894	-355.206	D	7.478	7.406	0.072	2.9	65.66	34.25	0	0	0	0.1
2003	60	23	967	363.478	-354.116	D	7.335	7.315	0.02	2.708	70.83	29.08	0	0	0	0.1
2003	61	23	949	365.722	-354.966	D	7.36	7.311	0.05	2.7	73.34	26.57	0	0	0	0.09
2003	62	23	930	366.19	-357.232	D	7.311	7.311	0	2.7	78.38	21.59	0	0	0	0.08
2003	63	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	64	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	65	23	933	366.169	-356.524	D	7.315	7.311	0.005	2.7	61.38	38.36	0	0	0	0.29
2003	66	23	933	366.169	-356.524	D	7.353	7.311	0.042	2.7	61.18	38.66	0	0	0	0.15
2003	67	23	933	366.169	-356.524	D	7.311	7.311	0.001	2.7	89.81	9.99	0	0	0	0.14
2003	68	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	69	23	930	366.19	-357.232	D	7.355	7.311	0.045	2.7	43.61	56.05	0	0	0	0.34
2003	70	23	907	365.051	-359.809	D	7.444	7.311	0.133	2.7	57.36	42.39	0	0	0	0.25
2003	71	23	947	365.801	-355.162	D	7.328	7.311	0.017	2.7	83.7	16.1	0	0	0	0.2
2003	72	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	73	23	1035	356.477	-356.792	D	7.507	7.311	0.196	2.7	68.59	31.24	0	0	0	0.17
2003	74	23	1017	356.894	-355.206	D	7.352	7.311	0.042	2.7	87.31	12.56	0	0	0	0.14
2003	75	23	1008	358.048	-354.775	D	7.311	7.311	0.001	2.7	98.56	1.35	0	0	0	0.12
2003	76	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	77	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	78	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	79	23	1017	356.894	-355.206	D	7.345	7.311	0.034	2.7	60.17	39.64	0	0	0	0.19
2003	80	23	947	365.801	-355.162	D	7.502	7.311	0.191	2.7	63.61	36.26	0	0	0	0.13
2003	81	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	82	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	83	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	84	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	85	23	853	361.666	-362.175	D	7.318	7.311	0.007	2.7	55.64	43.98	0	0	0	0.41
2003	86	23	1035	356.477	-356.792	D	7.331	7.311	0.02	2.7	78.09	21.66	0	0	0	0.25
2003	87	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	88	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	89	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	90	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	91	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	92	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	93	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	94	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	95	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	96	23	949	365.722	-354.966	D	7.384	7.311	0.073	2.7	65.18	34.7	0	0	0	0.12
2003	97	23	966	363.538	-354.124	D	7.311	7.311	0	2.7	72.52	27.53	0	0	0	0.05
2003	98	23	927	365.912	-357.454	D	7.33	7.311	0.019	2.7	64.11	35.72	0	0	0	0.16
2003	99	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	100	23	927	365.912	-357.454	D	7.338	7.311	0.027	2.7	45.73	53.65	0	0	0	0.63
2003	101	23	933	366.169	-356.524	D	7.425	7.311	0.114	2.7	87.43	12.25	0	0	0	0.33
2003	102	23	930	366.19	-357.232	D	7.323	7.311	0.013	2.7	98.1	1.68	0	0	0	0.22
2003	103	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	104	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	105	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	106	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	107	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	108	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	109	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	110	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	111	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	112	23	1	356.546	-357.458	D	7.311	7.311	0	2.7	0	0	0	0	0	0
2003	113	23	930	366.19	-357.232	D	7.361	7.311	0.051	2.7	96.94	2.85	0	0	0	0.22
2003	114	23	1017	356.894	-355.206	D	7.315	7.311	0.004	2.7	90.74	9.09	0	0	0	0.18
2003	115	23	1007	358.259	-354.768	D	7.549	7.311	0.238	2.7	80.56	19.22	0	0	0	0.23
2003	116	23	927	365.912	-357.454	D	7.943	7.311	**0.632**	2.7	66.59	33.06	0	0	0	0.36
2003	117	23	1017	356.894	-355.206	D	7.33	7.311	0.02	2.7	89.11	10.71	0	0	0	0.18
2003	118	23	643	363.609	-354.151	D	7.311	7.311	0.001	2.7	99.14	0.88	0	0	0	0.14
2003	119	23	966	363.538	-354.124	D	7.312	7.311	0.002	2.7	95.34	4.66	0	0	0	0.11
2003	120	23	642	363.62	-354.4	D	7.311	7.311	0	2.7	98.18	1.22	0	0	0	0.1
2003	121	23	1	356.546	-357.458	D	7.581	7.581	0	3.275	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	122	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	123	23	907	365.051	-359.809	D	7.782	7.593	0.189	3.3	94.88	4.97	0	0	0	0.15
2003	124	23	949	365.722	-354.966	D	7.928	7.593	0.335	3.3	97.98	1.93	0	0	0	0.09
2003	125	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	126	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	127	23	955	364.92	-354.582	D	7.638	7.593	0.046	3.3	84.95	14.89	0	0	0	0.16
2003	128	23	932	366.176	-356.761	D	7.593	7.593	0	3.3	98.8	0.87	0	0	0	0.14
2003	129	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	130	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	131	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	132	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	133	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	134	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	135	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	136	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	137	23	963	363.809	-354.192	D	7.595	7.593	0.002	3.3	97.93	1.91	0	0	0	0.1
2003	138	23	1017	356.894	-355.206	D	7.691	7.593	0.098	3.3	78.59	21.21	0	0	0	0.2
2003	139	23	1017	356.894	-355.206	D	7.597	7.593	0.004	3.3	97.1	2.71	0	0	0	0.23
2003	140	23	1017	356.894	-355.206	D	7.63	7.593	0.038	3.3	89.2	10.73	0	0	0	0.08
2003	141	23	1017	356.894	-355.206	D	7.746	7.593	0.154	3.3	78.67	20.96	0	0	0	0.36
2003	142	23	1017	356.894	-355.206	D	7.917	7.593	0.324	3.3	93.61	6.14	0	0	0	0.26
2003	143	23	930	366.19	-357.232	D	8.306	7.593	**0.714**	3.3	94.93	4.83	0	0	0	0.24
2003	144	23	907	365.051	-359.809	D	7.823	7.593	0.23	3.3	97.34	2.5	0	0	0	0.16
2003	145	23	949	365.722	-354.966	D	8.152	7.593	**0.559**	3.3	91.42	8.46	0	0	0	0.11
2003	146	23	822	358.021	-361.607	D	7.991	7.593	0.399	3.3	92.79	7.11	0	0	0	0.1
2003	147	23	930	366.19	-357.232	D	7.915	7.593	0.323	3.3	92.52	7.25	0	0	0	0.23
2003	148	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	149	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	150	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	151	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	152	23	949	365.722	-354.966	D	7.739	7.593	0.147	3.3	81.49	18.29	0	0	0	0.23
2003	153	23	1017	356.894	-355.206	D	7.628	7.593	0.036	3.3	97.06	2.82	0	0	0	0.12
2003	154	23	822	358.021	-361.607	D	8.1	7.593	**0.508**	3.3	92.27	7.54	0	0	0	0.19
2003	155	23	853	361.666	-362.175	D	7.607	7.593	0.014	3.3	95.94	3.89	0	0	0	0.17
2003	156	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	157	23	933	366.169	-356.524	D	7.6	7.593	0.008	3.3	97.14	2.73	0	0	0	0.14
2003	158	23	931	366.183	-356.996	D	7.593	7.593	0.001	3.3	90.82	9.12	0	0	0	0.1
2003	159	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	160	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	161	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	162	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	163	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	164	23	1008	358.048	-354.775	D	7.603	7.593	0.01	3.3	99.33	0.54	0	0	0	0.13
2003	165	23	1017	356.894	-355.206	D	8.394	7.593	**0.801**	3.3	90.71	9.19	0	0	0	0.1
2003	166	23	907	365.051	-359.809	D	8.482	7.593	**0.889**	3.3	83.64	16.23	0	0	0	0.13
2003	167	23	1017	356.894	-355.206	D	7.619	7.593	0.026	3.3	98.43	1.38	0	0	0	0.19
2003	168	23	1017	356.894	-355.206	D	7.611	7.593	0.019	3.3	97.58	2.27	0	0	0	0.15
2003	169	23	967	363.478	-354.116	D	7.612	7.593	0.02	3.3	99.34	0.51	0	0	0	0.15
2003	170	23	949	365.722	-354.966	D	8.159	7.593	**0.567**	3.3	98.17	1.7	0	0	0	0.13
2003	171	23	822	358.021	-361.607	D	8.215	7.593	**0.622**	3.3	88.41	11.48	0	0	0	0.11
2003	172	23	822	358.021	-361.607	D	7.595	7.593	0.002	3.3	99.57	0.35	0	0	0	0.1
2003	173	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	174	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	175	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	176	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	177	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	178	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	179	23	907	365.051	-359.809	D	7.617	7.593	0.024	3.3	99.03	0.79	0	0	0	0.19
2003	180	23	949	365.722	-354.966	D	7.642	7.593	0.049	3.3	98.87	1	0	0	0	0.14
2003	181	23	964	363.678	-354.148	D	7.602	7.593	0.009	3.3	98.92	0.97	0	0	0	0.11
2003	182	23	966	363.538	-354.124	D	7.596	7.593	0.004	3.3	98.11	1.81	0	0	0	0.1
2003	183	23	962	363.961	-354.255	D	7.595	7.593	0.002	3.3	98.76	1.18	0	0	0	0.09
2003	184	23	747	364.871	-354.594	D	7.593	7.593	0.001	3.3	99.48	0.36	0	0	0	0.08
2003	185	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	186	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	187	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	188	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	189	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	190	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	191	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	192	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	193	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	194	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	195	23	949	365.722	-354.966	D	7.611	7.593	0.019	3.3	97.49	2.37	0	0	0	0.15
2003	196	23	949	365.722	-354.966	D	7.593	7.593	0	3.3	99.77	0.19	0	0	0	0.1
2003	197	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	198	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	199	23	930	366.19	-357.232	D	7.605	7.593	0.013	3.3	99.71	0.16	0	0	0	0.13

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	200	23	930	366.19	-357.232	D	7.597	7.593	0.005	3.3	99.67	0.25	0	0	0	0.12
2003	201	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	94.08	5.8	0	0	0	0.14
2003	202	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	203	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	204	23	931	366.183	-356.996	D	7.612	7.593	0.019	3.3	82.6	16.84	0	0	0	0.57
2003	205	23	907	365.051	-359.809	D	7.98	7.593	0.387	3.3	97.83	1.98	0	0	0	0.2
2003	206	23	949	365.722	-354.966	D	8.023	7.593	0.431	3.3	98.14	1.71	0	0	0	0.14
2003	207	23	1008	358.048	-354.775	D	7.598	7.593	0.006	3.3	99.75	0.15	0	0	0	0.12
2003	208	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	209	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	210	23	949	365.722	-354.966	D	7.677	7.593	0.084	3.3	93.39	6.43	0	0	0	0.17
2003	211	23	947	365.801	-355.162	D	7.945	7.593	0.352	3.3	94.31	5.59	0	0	0	0.1
2003	212	23	907	365.051	-359.809	D	7.813	7.593	0.22	3.3	97.34	2.58	0	0	0	0.08
2003	213	23	907	365.051	-359.809	D	7.622	7.593	0.03	3.3	99.41	0.51	0	0	0	0.07
2003	214	23	930	366.19	-357.232	D	7.601	7.593	0.008	3.3	99.69	0.26	0	0	0	0.07
2003	215	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	216	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	217	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	218	23	955	364.92	-354.582	D	7.822	7.593	0.229	3.3	99.29	0.54	0	0	0	0.17
2003	219	23	853	361.666	-362.175	D	8.344	7.593	**0.751**	3.3	93.87	5.95	0	0	0	0.19
2003	220	23	907	365.051	-359.809	D	7.68	7.593	0.087	3.3	99.14	0.63	0	0	0	0.23
2003	221	23	930	366.19	-357.232	D	8.183	7.593	**0.59**	3.3	97.98	1.81	0	0	0	0.21
2003	222	23	933	366.169	-356.524	D	7.999	7.593	0.406	3.3	98.37	1.44	0	0	0	0.2
2003	223	23	1036	356.488	-356.993	D	8.152	7.593	**0.56**	3.3	98.43	1.4	0	0	0	0.17
2003	224	23	1017	356.894	-355.206	D	7.991	7.593	0.398	3.3	96.82	2.98	0	0	0	0.19
2003	225	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	226	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	227	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	228	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	229	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	230	23	933	366.169	-356.524	D	7.614	7.593	0.021	3.3	99.63	0.19	0	0	0	0.18
2003	231	23	930	366.19	-357.232	D	7.828	7.593	0.236	3.3	99.02	0.85	0	0	0	0.13
2003	232	23	930	366.19	-357.232	D	7.811	7.593	0.218	3.3	98.6	1.31	0	0	0	0.1
2003	233	23	930	366.19	-357.232	D	7.714	7.593	0.121	3.3	98.9	1.01	0	0	0	0.09
2003	234	23	930	366.19	-357.232	D	7.65	7.593	0.057	3.3	99.28	0.63	0	0	0	0.09
2003	235	23	949	365.722	-354.966	D	7.991	7.593	0.398	3.3	98.86	0.93	0	0	0	0.21
2003	236	23	1039	356.522	-357.599	D	7.963	7.593	0.37	3.3	96.83	3.04	0	0	0	0.14
2003	237	23	1017	356.894	-355.206	D	7.675	7.593	0.083	3.3	99.25	0.64	0	0	0	0.11
2003	238	23	965	363.588	-354.142	D	7.607	7.593	0.014	3.3	99.78	0.12	0	0	0	0.1

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	239	23	785	365.637	-355.06	D	7.593	7.593	0.001	3.3	99.84	0.2	0	0	0	0.09
2003	240	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	241	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	242	23	949	365.722	-354.966	D	7.594	7.593	0.001	3.3	98.07	1.79	0	0	0	0.12
2003	243	23	964	363.678	-354.148	D	7.609	7.593	0.016	3.3	91.16	8.74	0	0	0	0.09
2003	244	23	1	356.546	-357.458	D	7.637	7.637	0	3.396	0	0	0	0	0	0
2003	245	23	1017	356.894	-355.206	D	7.747	7.639	0.108	3.4	95.72	4.17	0	0	0	0.11
2003	246	23	1017	356.894	-355.206	D	8.25	7.639	**0.611**	3.4	93.27	6.55	0	0	0	0.18
2003	247	23	907	365.051	-359.809	D	7.747	7.639	0.108	3.4	98.05	1.77	0	0	0	0.17
2003	248	23	1008	358.048	-354.775	D	7.701	7.639	0.062	3.4	96.21	3.33	0	0	0	0.46
2003	249	23	1017	356.894	-355.206	D	7.72	7.639	0.081	3.4	95.57	4.17	0	0	0	0.27
2003	250	23	1017	356.894	-355.206	D	7.641	7.639	0.002	3.4	99.5	0.32	0	0	0	0.2
2003	251	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	252	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	253	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	254	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	255	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	256	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	257	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	258	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	259	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	260	23	930	366.19	-357.232	D	7.655	7.639	0.016	3.4	98.11	1.72	0	0	0	0.18
2003	261	23	643	363.609	-354.151	D	7.648	7.639	0.009	3.4	97.43	2.47	0	0	0	0.12
2003	262	23	730	364.623	-354.605	D	7.639	7.639	0	3.4	97.12	2.73	0	0	0	0.11
2003	263	23	941	365.977	-355.774	D	7.639	7.639	0	3.4	98.36	1.68	0	0	0	0.35
2003	264	23	933	366.169	-356.524	D	7.759	7.639	0.12	3.4	97.2	2.6	0	0	0	0.19
2003	265	23	949	365.722	-354.966	D	7.643	7.639	0.004	3.4	95.64	4.3	0	0	0	0.11
2003	266	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	267	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	268	23	930	366.19	-357.232	D	7.664	7.639	0.025	3.4	98.33	1.14	0	0	0	0.53
2003	269	23	930	366.19	-357.232	D	7.736	7.639	0.097	3.4	95.21	4.45	0	0	0	0.34
2003	270	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	271	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	272	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	273	23	1	356.546	-357.458	D	7.639	7.639	0	3.4	0	0	0	0	0	0
2003	274	23	1	356.546	-357.458	D	7.505	7.505	0	3.112	0	0	0	0	0	0
2003	275	23	78	358.239	-356.385	D	7.618	7.5	0.119	3.1	35.01	64.05	0	0	0	0.95
2003	276	23	1017	356.894	-355.206	D	7.517	7.5	0.018	3.1	80.32	19.42	0	0	0	0.27
2003	277	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	278	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	279	23	930	366.19	-357.232	D	7.507	7.5	0.008	3.1	98.58	1.25	0	0	0	0.18
2003	280	23	930	366.19	-357.232	D	7.601	7.5	0.101	3.1	97.07	2.79	0	0	0	0.14
2003	281	23	1017	356.894	-355.206	D	7.534	7.5	0.035	3.1	97.62	2.26	0	0	0	0.12
2003	282	23	1007	358.259	-354.768	D	7.502	7.5	0.002	3.1	99.06	0.84	0	0	0	0.11
2003	283	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	284	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	285	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	286	23	947	365.801	-355.162	D	7.523	7.5	0.024	3.1	94.65	5.1	0	0	0	0.25
2003	287	23	949	365.722	-354.966	D	7.503	7.5	0.003	3.1	81	18.98	0	0	0	0.05
2003	288	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	289	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	290	23	930	366.19	-357.232	D	7.714	7.5	0.215	3.1	62.71	36.92	0	0	0	0.37
2003	291	23	907	365.051	-359.809	D	7.637	7.5	0.137	3.1	82.13	17.61	0	0	0	0.26
2003	292	23	907	365.051	-359.809	D	7.504	7.5	0.005	3.1	98.04	1.75	0	0	0	0.21
2003	293	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	294	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	295	23	930	366.19	-357.232	D	7.501	7.5	0.001	3.1	93.74	5.59	0	0	0	0.67
2003	296	23	949	365.722	-354.966	D	7.577	7.5	0.077	3.1	94.86	4.74	0	0	0	0.4
2003	297	23	933	366.169	-356.524	D	7.502	7.5	0.003	3.1	86.22	13.5	0	0	0	0.32
2003	298	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	299	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	300	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	301	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	302	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	303	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	304	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	305	23	949	365.722	-354.966	D	7.501	7.5	0.001	3.1	91.17	8.53	0	0	0	0.35
2003	306	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	307	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	308	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	309	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	310	23	907	365.051	-359.809	D	8.354	7.5	**0.854**	3.1	34.62	65.11	0	0	0	0.27
2003	311	23	78	358.239	-356.385	D	8.583	7.5	**1.084**	3.1	24.42	75.07	0	0	0	0.51
2003	312	23	1017	356.894	-355.206	D	7.5	7.5	0.001	3.1	53.77	45.88	0	0	0	0.39
2003	313	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	314	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	315	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	316	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	317	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	318	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	319	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	320	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	321	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	322	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	323	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	324	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	325	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	326	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	327	23	1008	358.048	-354.775	D	7.548	7.5	0.049	3.1	63.8	36.11	0	0	0	0.1
2003	328	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	329	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	330	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	331	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	332	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	333	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	334	23	1	356.546	-357.458	D	7.5	7.5	0	3.1	0	0	0	0	0	0
2003	335	23	1	356.546	-357.458	D	7.589	7.589	0	3.292	0	0	0	0	0	0
2003	336	23	933	366.169	-356.524	D	7.768	7.593	0.175	3.3	48.54	51.13	0	0	0	0.33
2003	337	23	949	365.722	-354.966	D	7.64	7.593	0.048	3.3	41.53	58.29	0	0	0	0.18
2003	338	23	964	363.678	-354.148	D	7.683	7.593	0.09	3.3	57.05	42.79	0	0	0	0.15
2003	339	23	933	366.169	-356.524	D	7.665	7.593	0.072	3.3	60.46	39.42	0	0	0	0.12
2003	340	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	341	23	930	366.19	-357.232	D	7.612	7.593	0.02	3.3	51.17	48.7	0	0	0	0.13
2003	342	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	343	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	344	23	1041	356.936	-357.592	D	8.09	7.593	0.497	3.3	63.25	36.62	0	0	0	0.13
2003	345	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	346	23	930	366.19	-357.232	D	7.613	7.593	0.021	3.3	66.29	33.56	0	0	0	0.15
2003	347	23	967	363.478	-354.116	D	7.858	7.593	0.265	3.3	61.63	38.25	0	0	0	0.12
2003	348	23	907	365.051	-359.809	D	7.638	7.593	0.045	3.3	71.81	28.11	0	0	0	0.09
2003	349	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	350	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	351	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	352	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	353	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	354	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	355	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0

Appendix M
Hercules Glade
2003 M6

YEAR	DAY	HR	RECEPTOR	COORDINATES	(km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	F(RH)	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF
2003	356	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	357	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	358	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	359	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	360	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	361	23	930	366.19	-357.232	D	7.593	7.593	0	3.3	70.8	28.88	0	0	0	0.15
2003	362	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	363	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
2003	364	23	1	356.546	-357.458	D	7.593	7.593	0	3.3	0	0	0	0	0	0
									1.084							