Bridgeton Landfill, LLC

Weekly Data Submittals

Required by Section 52.F of Agreed Order, Case No. 13SL-CC01088
Effective May 13, 2013

Contents:

Attachment A – Leachate Levels in Leachate Collection Sumps
Attachment B – Temperature Monitoring Probe Analytical Charts
Attachment C – Gas Interceptor Wellhead Temperature Graphs

Provided Separately:

- **Leachate Level in Leachate Collection Sump Raw Data Excel Spreadsheet**
- **Temperature Monitoring Probe Raw Data Excel Spreadsheet**
- **Gas Interceptor Well Reading Raw Data Excel Spreadsheet**

June 18, 2013

Commentary on Data

Attachment A – Leachate Levels in Leachate Collection Sumps

Bridgeton Landfill has installed replacement sump LCS-3C but is unable to install a pump due to excessive pressures and surging conditions. A replacement for LCS-4B is currently being installed; we will provide graphs when data is collected from the replacement sump.

All functioning leachate collection sumps appear to be operating properly with measures leachate levels below the required pumping levels.

Attachment B – Temperature Monitoring Probe Analytical Charts

TMP-8 has been compromised and no longer monitorable. The following TMPs indicated virtually identical or lower temperature profiles than previous week(s): TMP-2, -4, -5, -9, and -12. These TMPs indicated slight increases from previous weeks: TMP-1, -3, -6, -10, -11, and -13. TMP-7 may have had a malfunctioning Omega dial in the box in previous weeks; the current reading indicates that the reaction area has been approaching the vicinity.

TMP-8 is not functioning and is no longer being read.

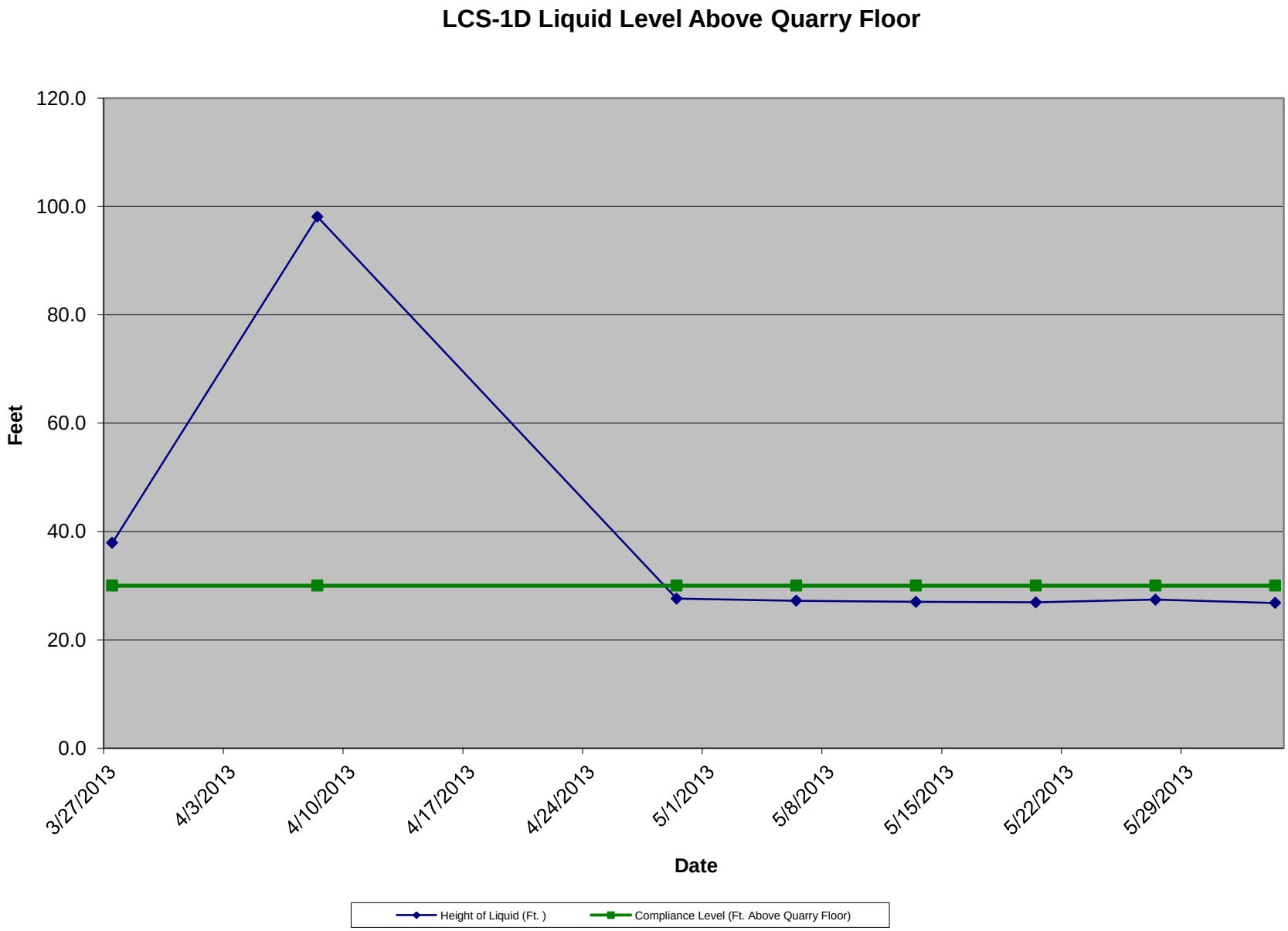
Attachment C – Gas Interceptor Wellhead Temperature Graphs

The GIW wells can allow warm reaction gasses to be drawn in and removed from the landfill. As a result, we observe gradually increasing GIW wellhead temperatures in some GIWs. This is an important function of these wells, and they appear to be performing as planned.

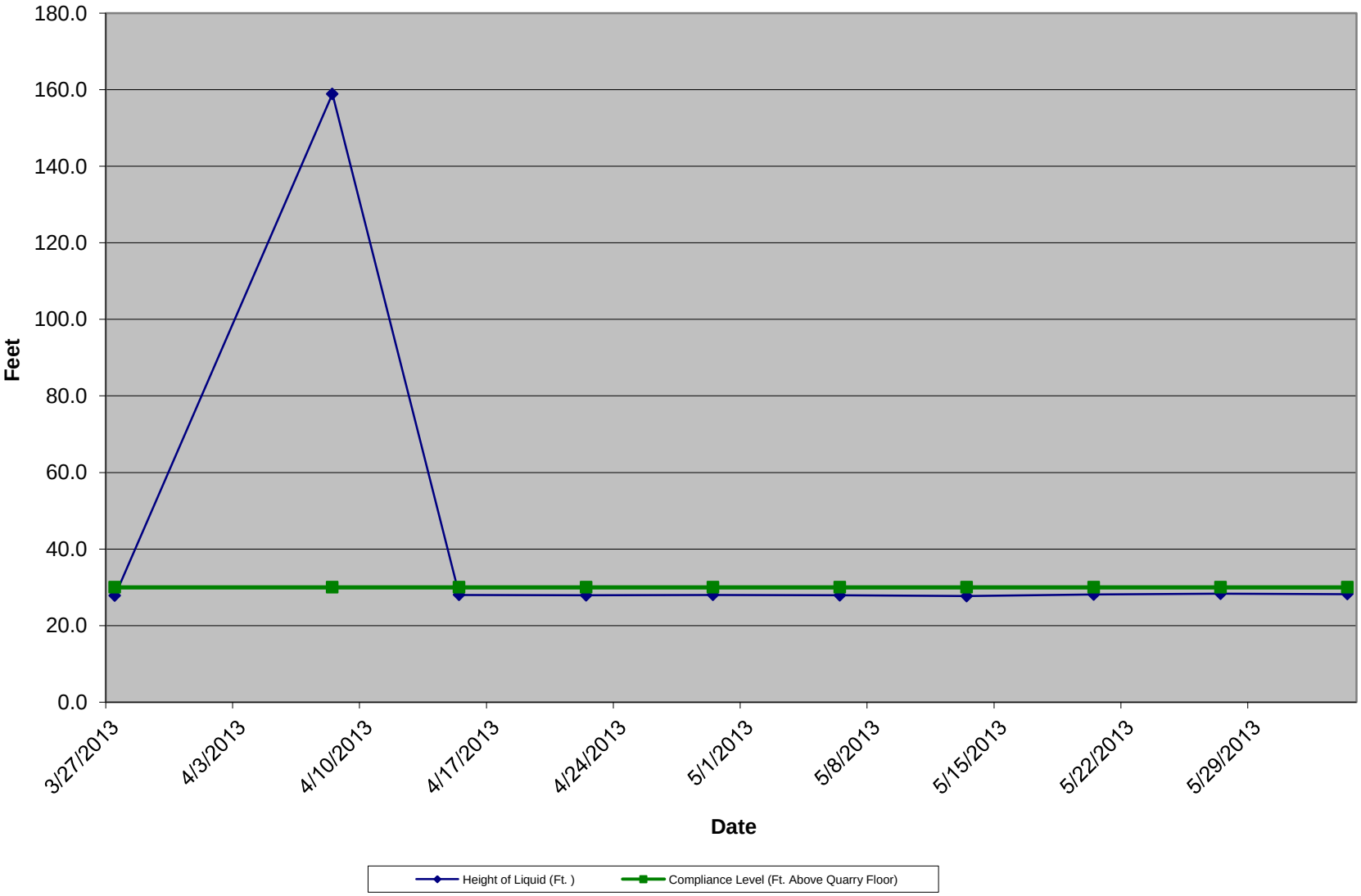
The following GIWs indicated virtually identical or slightly trending lower wellhead temperatures as recent previous week(s): GIW-2, -3, -4, -5, -6, -7, -8, -9, -10, -11, and -13. The following GIWs indicated observable increases in wellhead temperatures as recent previous week(s): GIW-1, and GIW -12.

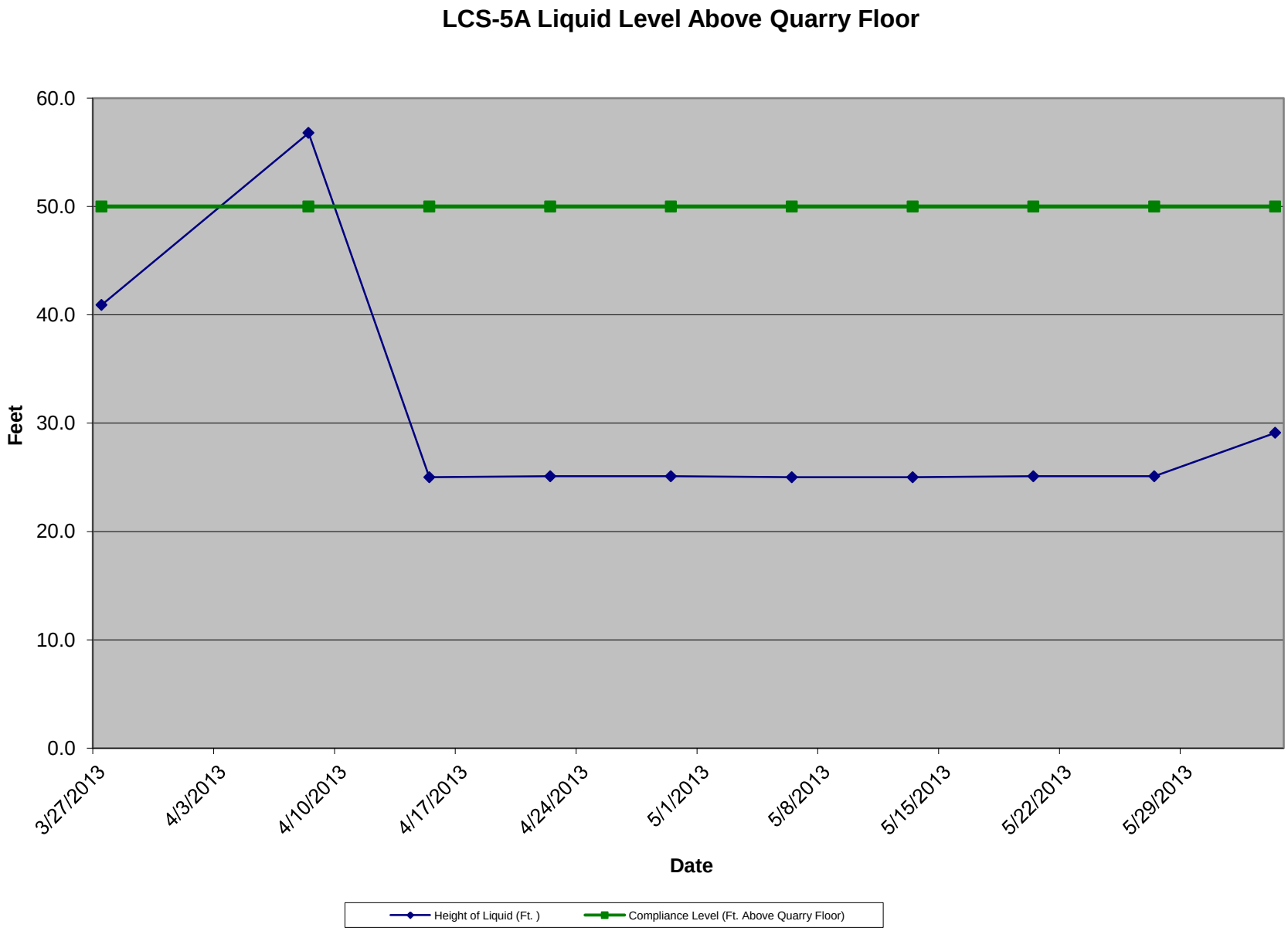
ATTACHMENT A

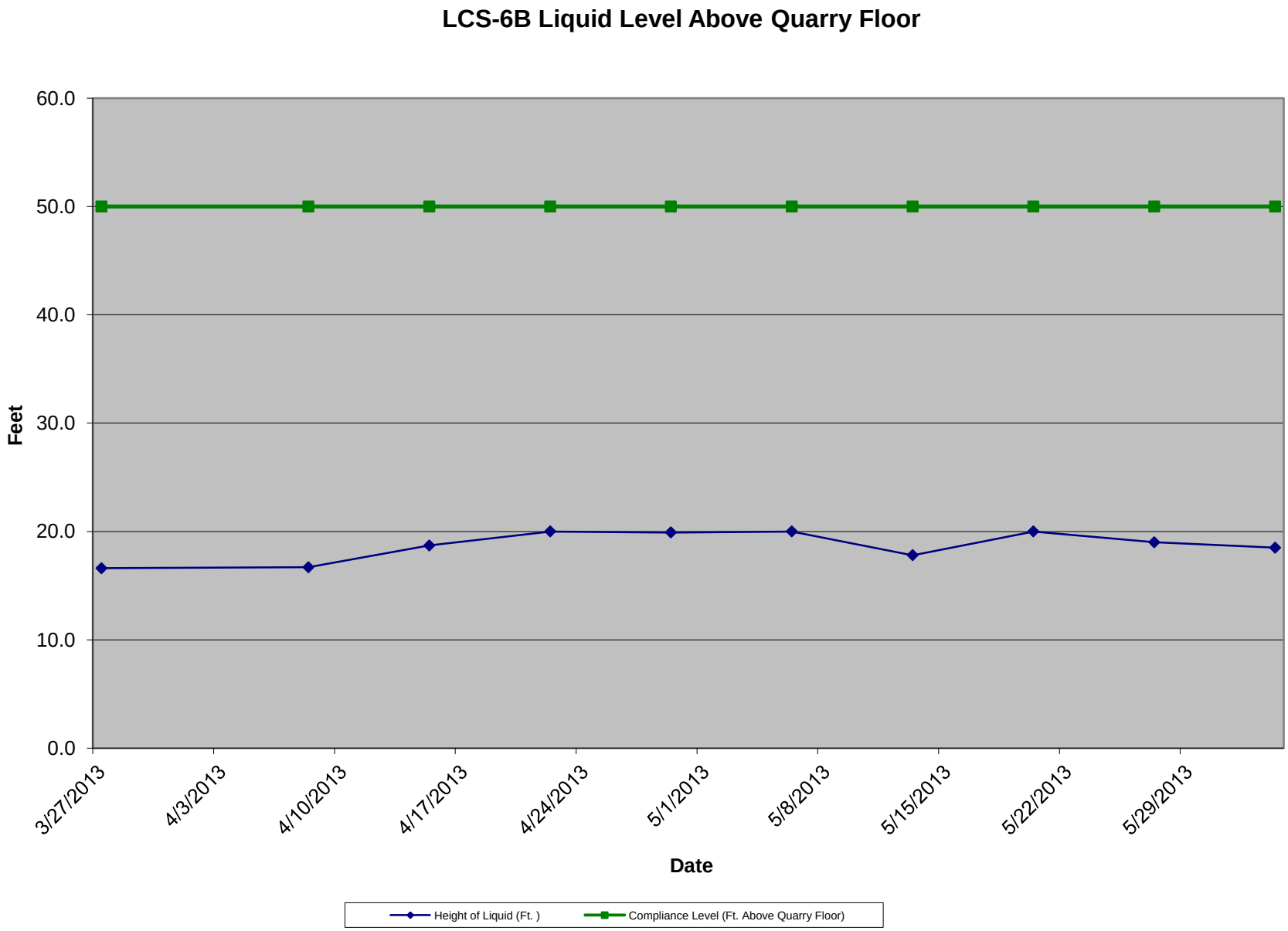
LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS


LCS-1D Liquid Level Above Quarry Floor
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Feet
3/27/2013
4/3/2013
4/10/2013
4/17/2013
4/24/2013
5/1/2013
5/8/2013
5/15/2013
5/22/2013
5/29/2013
Date
Height of Liquid (Ft.)
Compliance Level (Ft. Above Quarry Floor)

LCS-2D Liquid Level Above Quarry Floor



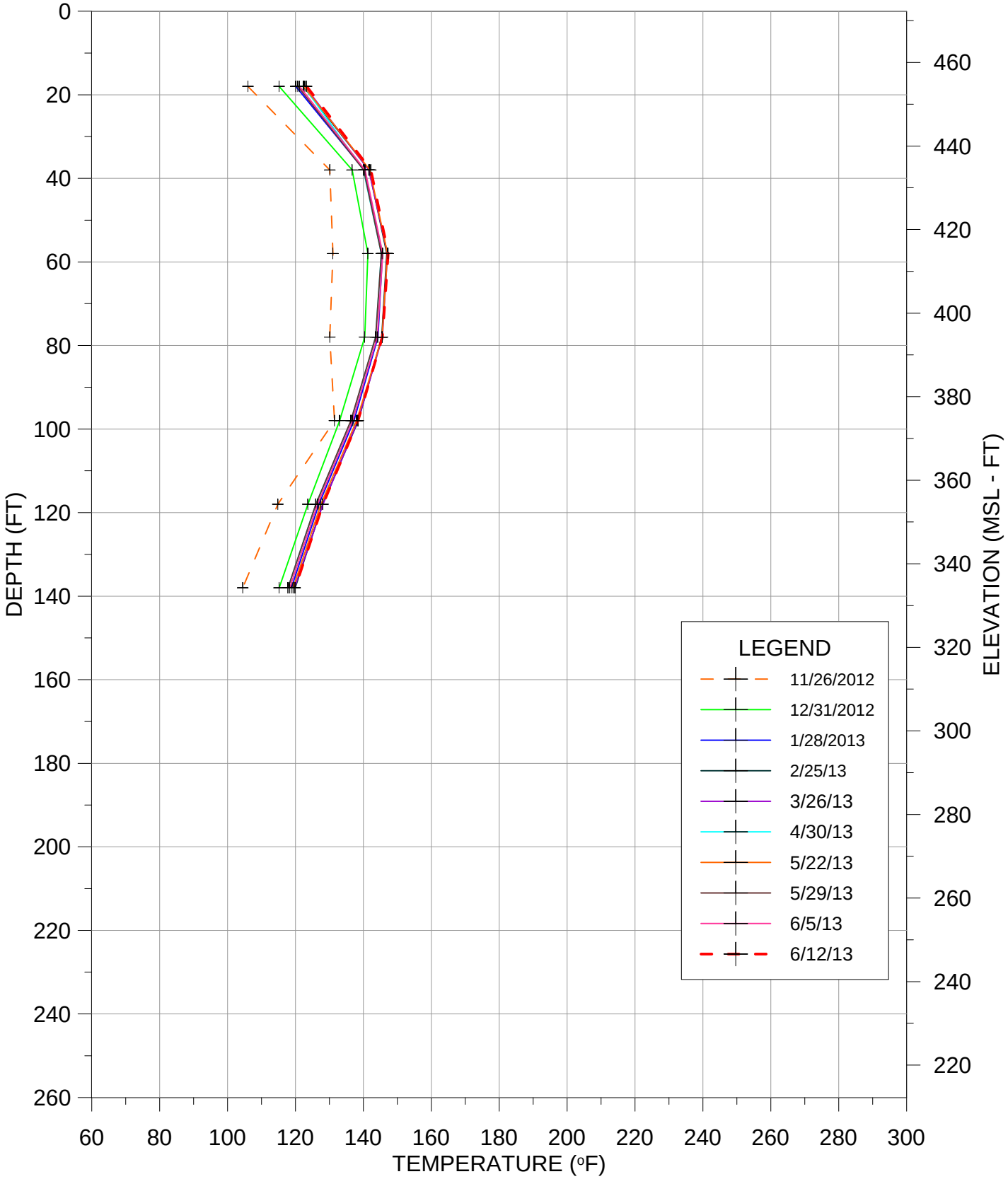

LCS-5A Liquid Level Above Quarry Floor
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Feet
3/27/2013
4/3/2013
4/10/2013
4/17/2013
4/24/2013
5/1/2013
5/8/2013
5/15/2013
5/22/2013
5/29/2013
Date
Height of Liquid (Ft.)
Compliance Level (Ft. Above Quarry Floor)


LCS-6B Liquid Level Above Quarry Floor
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Feet
3/27/2013
4/3/2013
4/10/2013
4/17/2013
4/24/2013
5/1/2013
5/8/2013
5/15/2013
5/22/2013
5/29/2013
Date
Height of Liquid (Ft.)
Compliance Level (Ft. Above Quarry Floor)

ATTACHMENT B

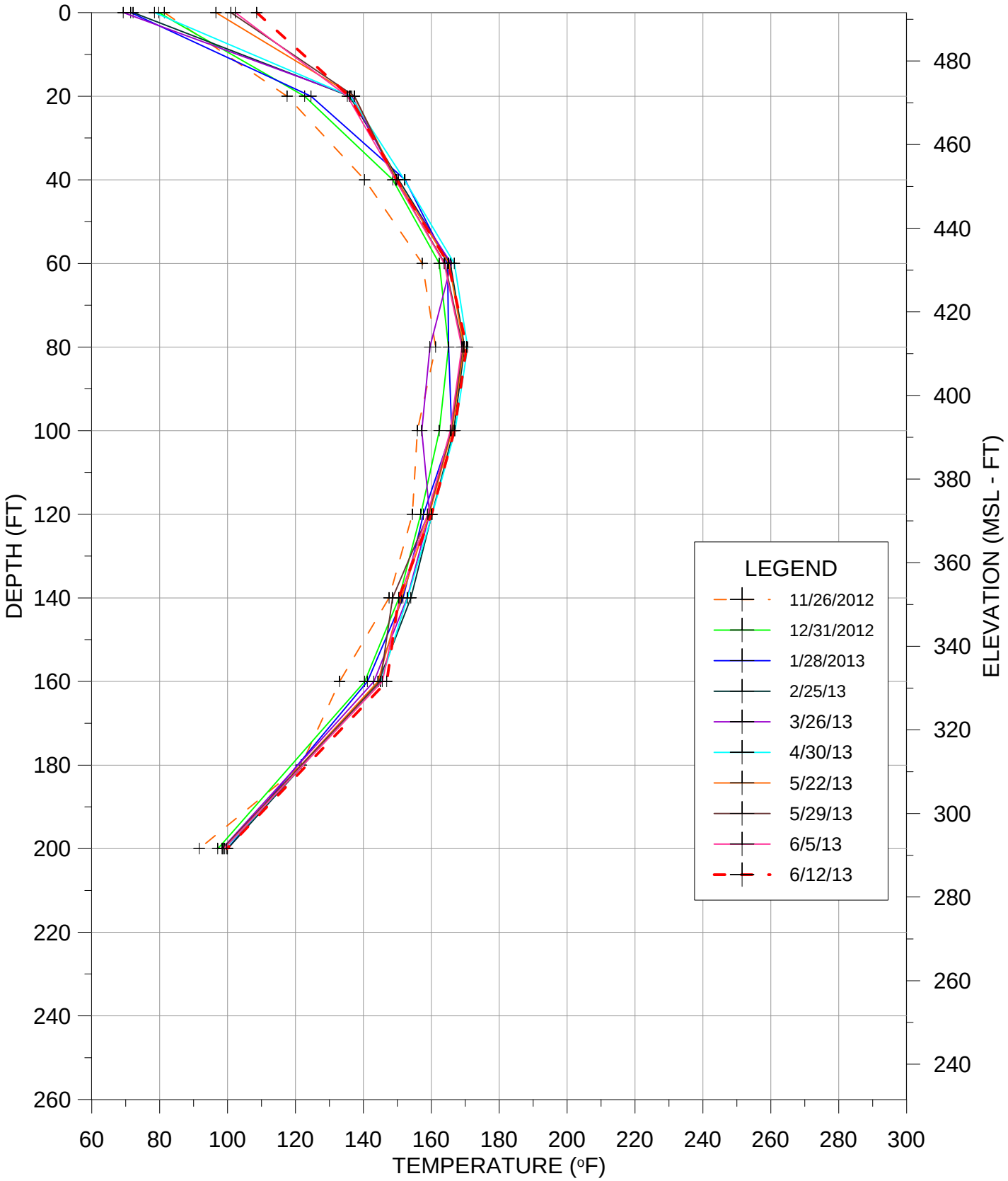
TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS

TMP-1



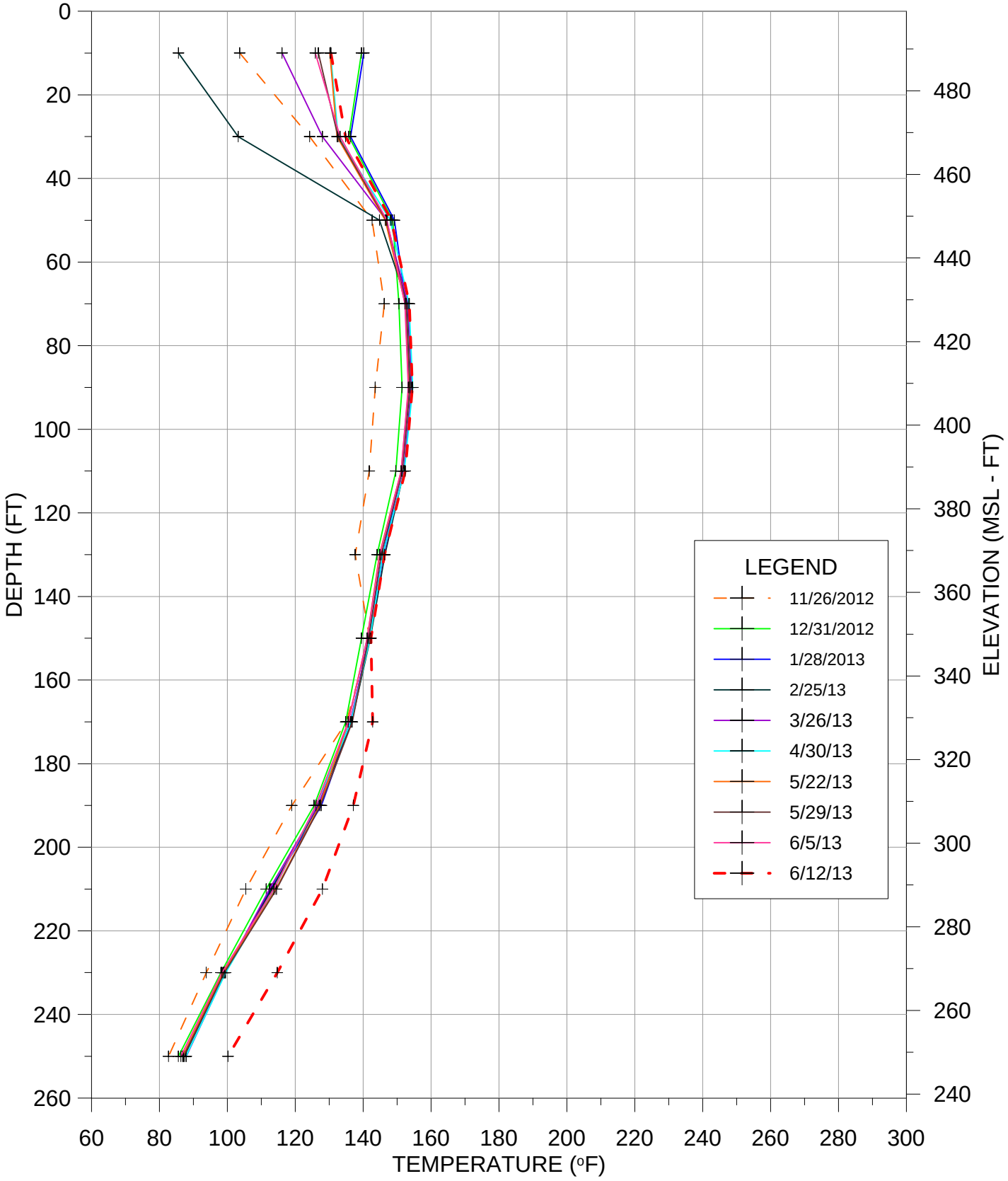
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-2



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

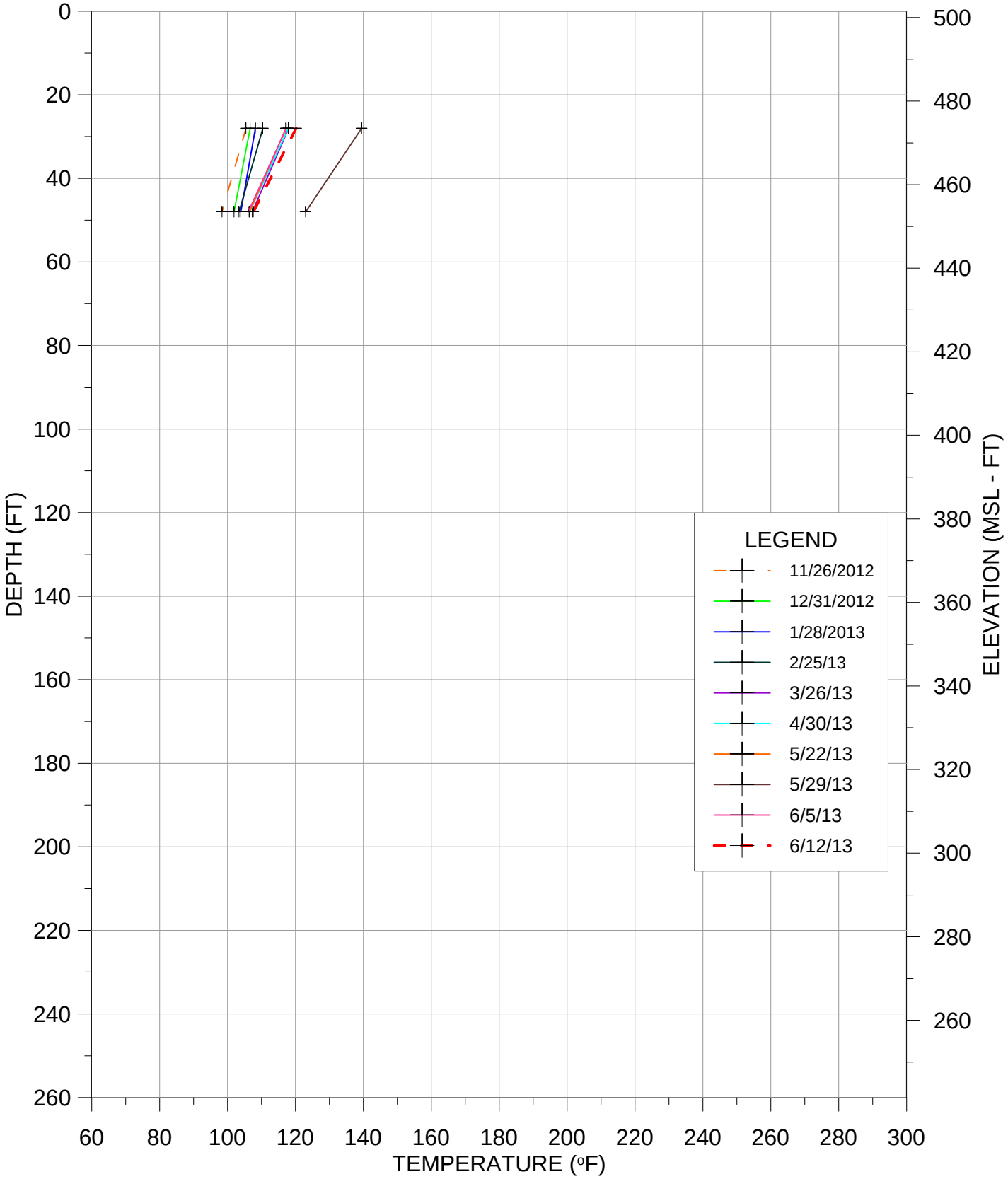
TMP-3



6/12/13 readings pending verification

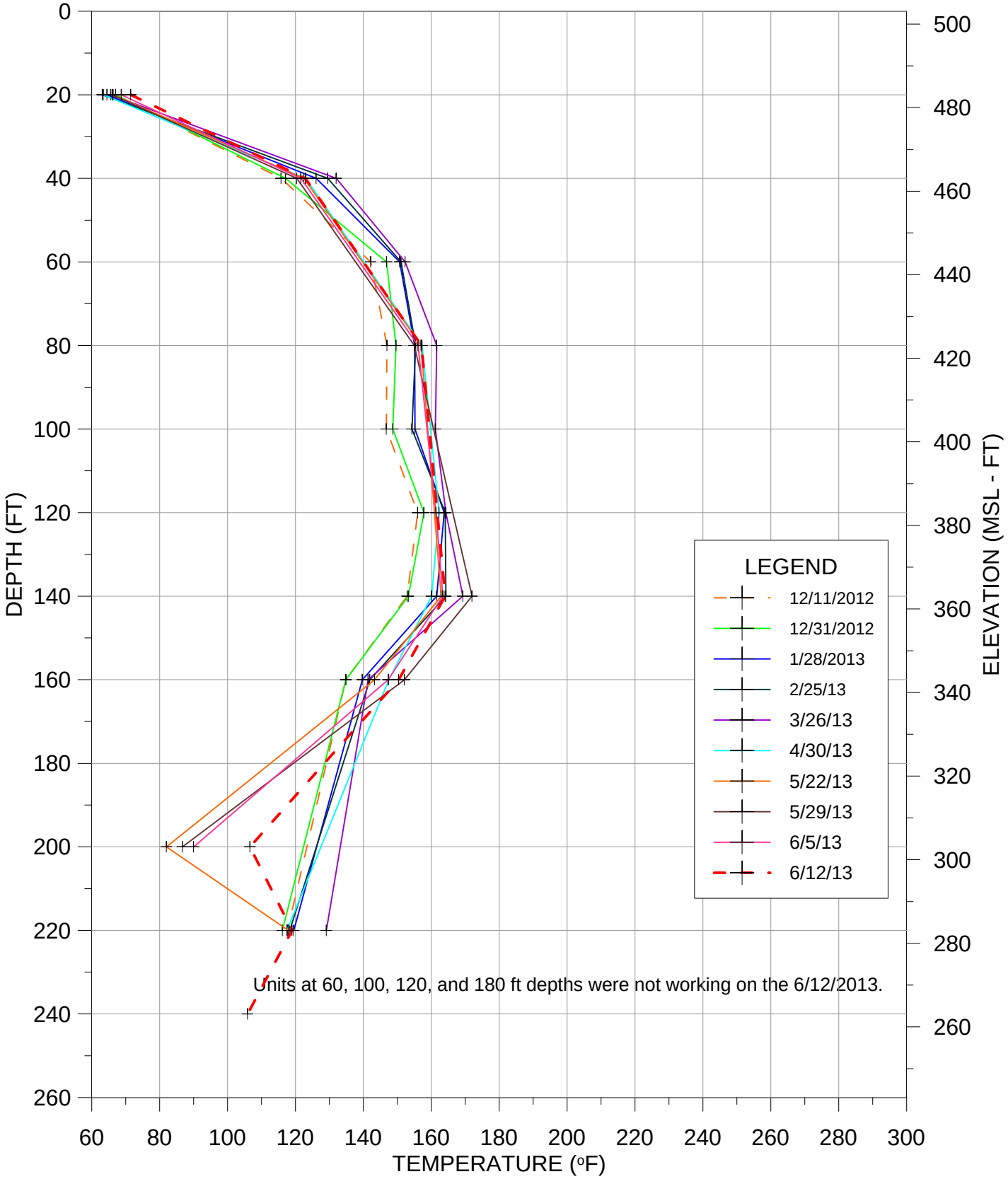
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-4



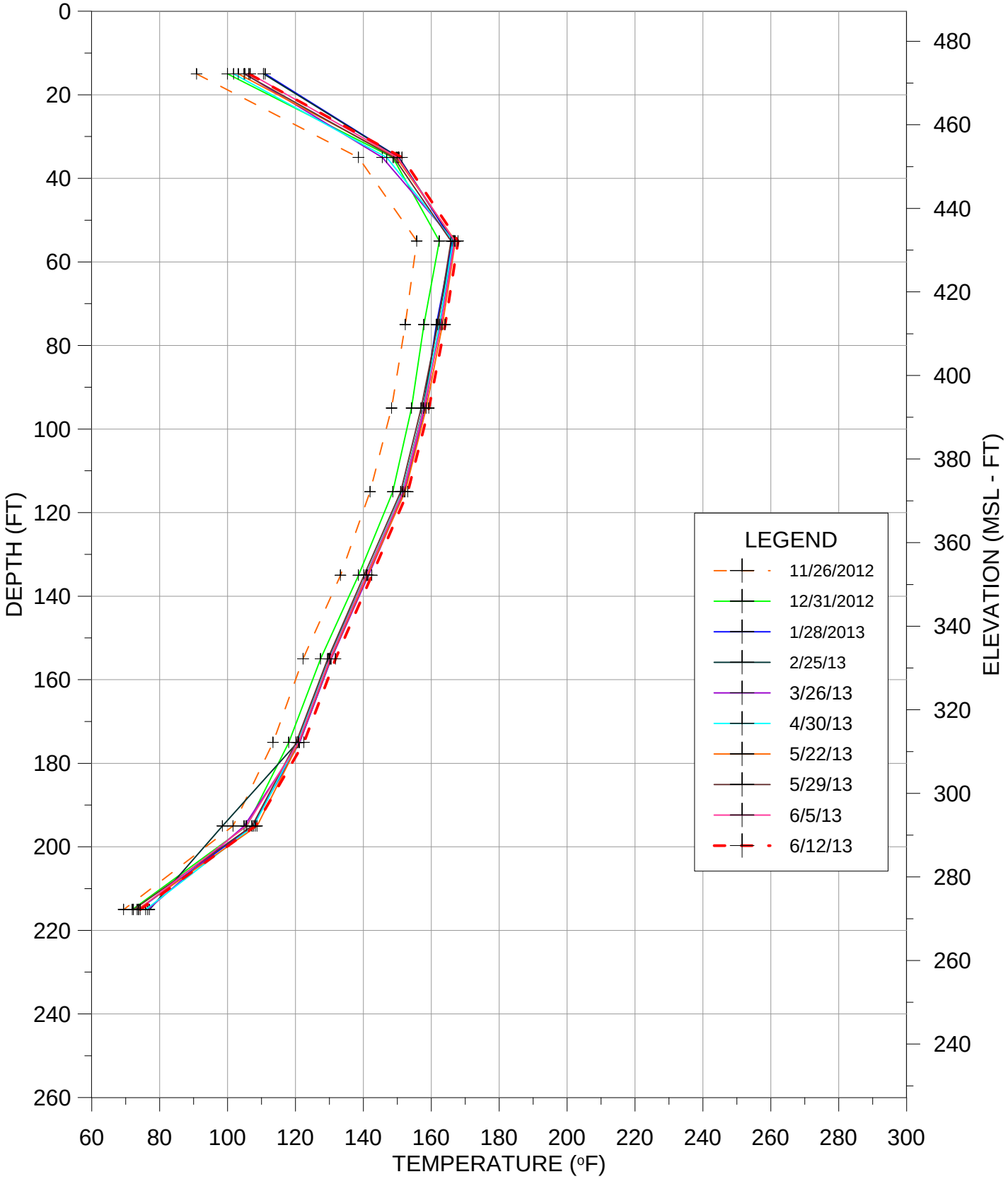
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-5



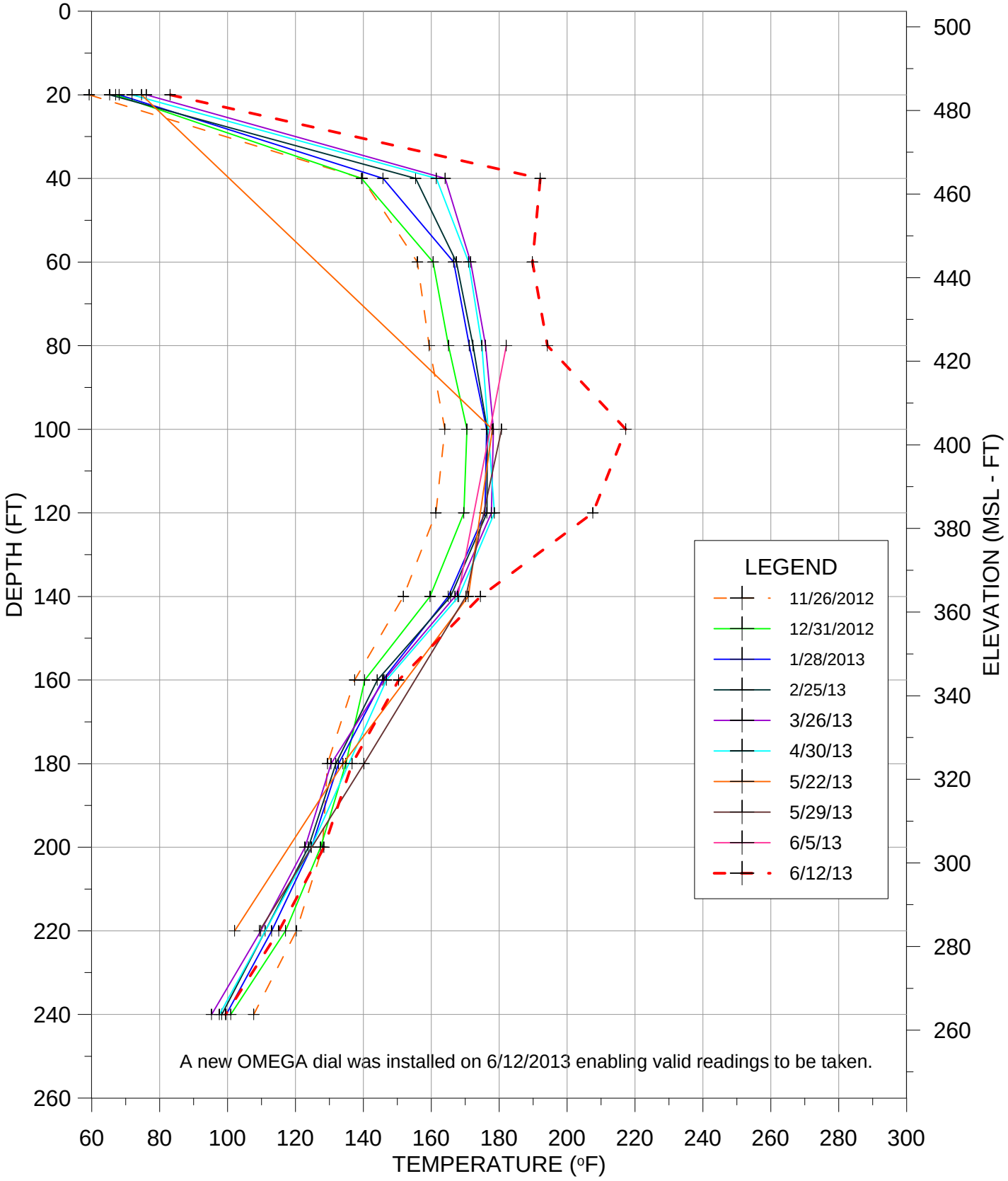
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-6



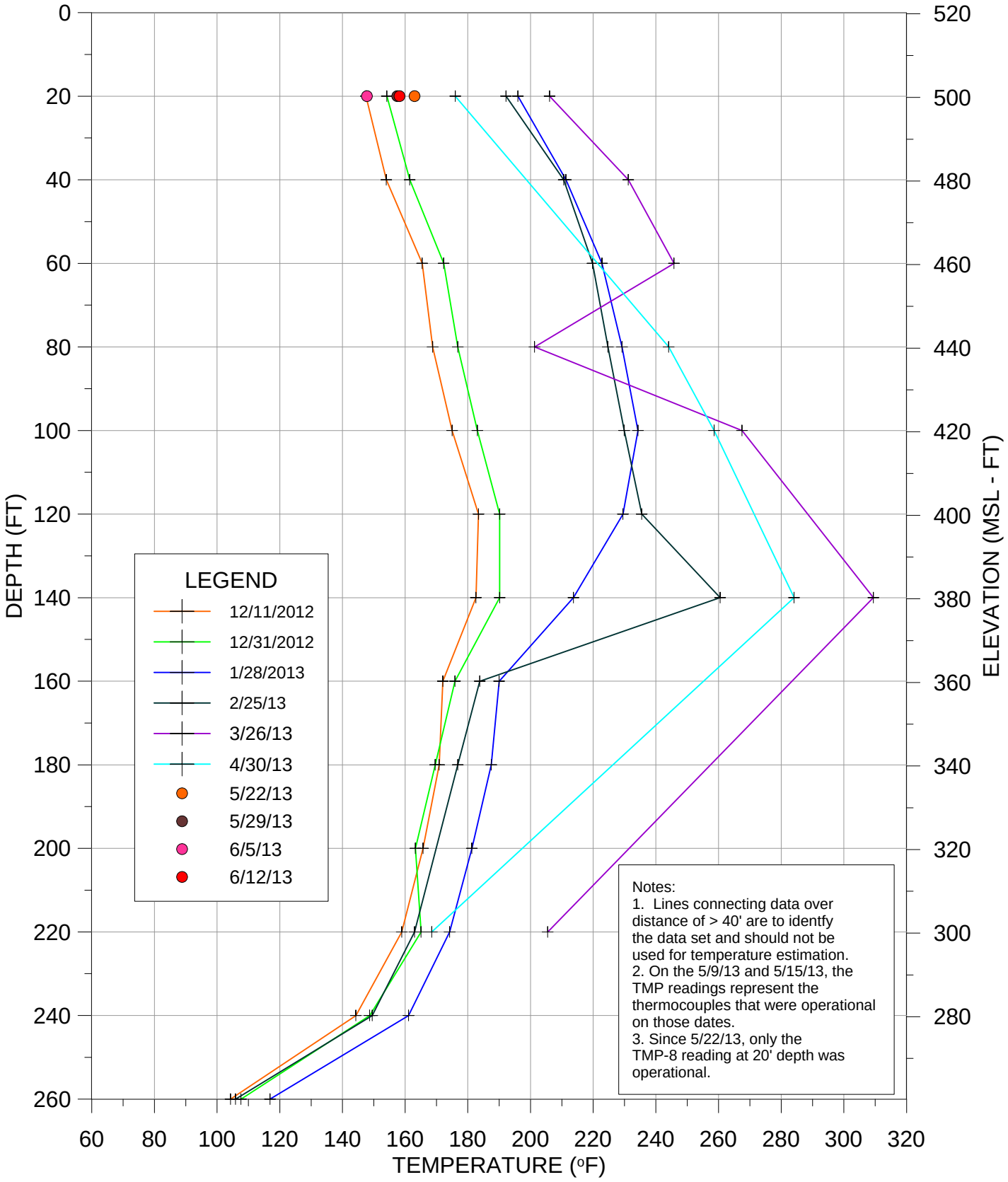
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-7R



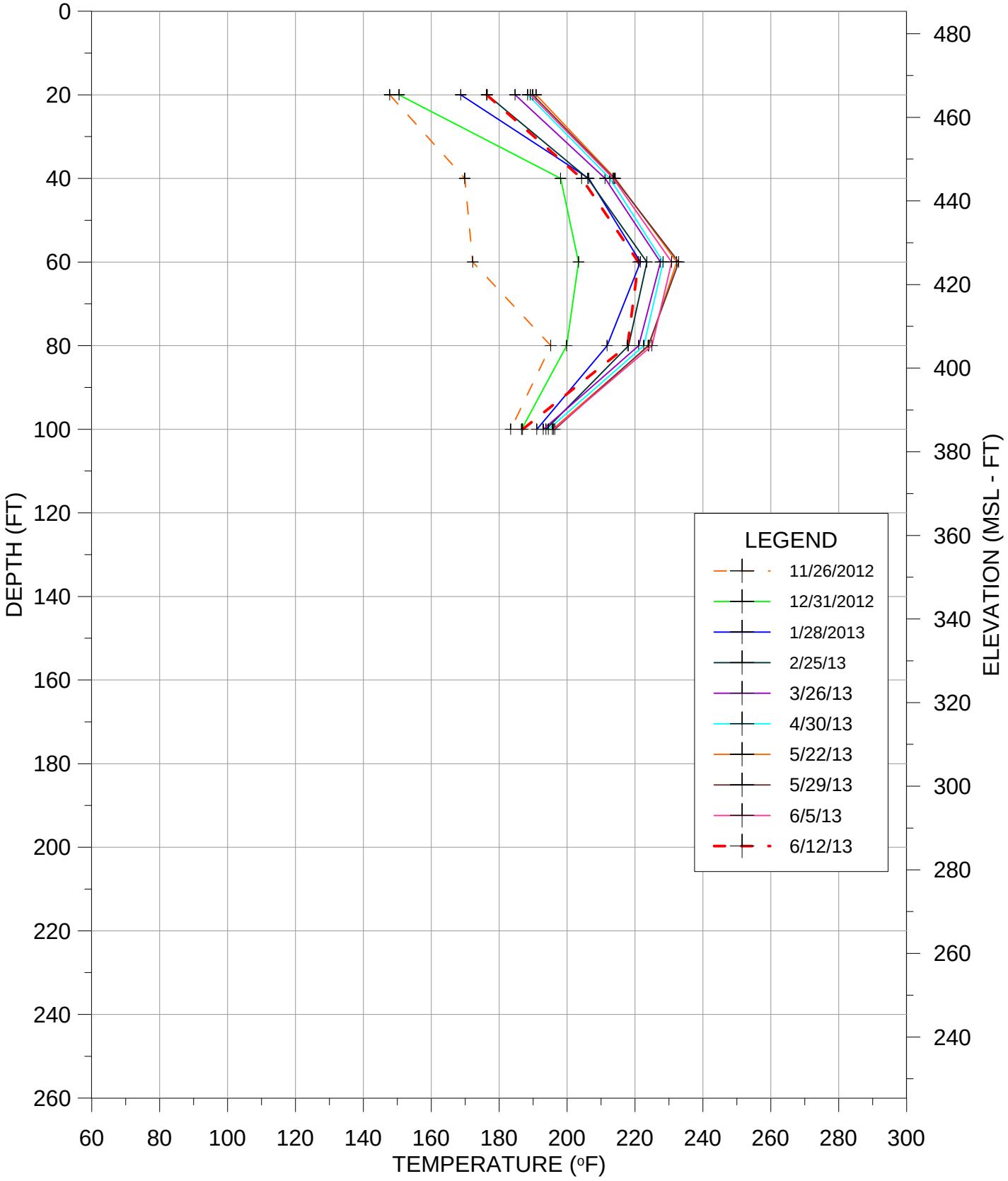
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-8



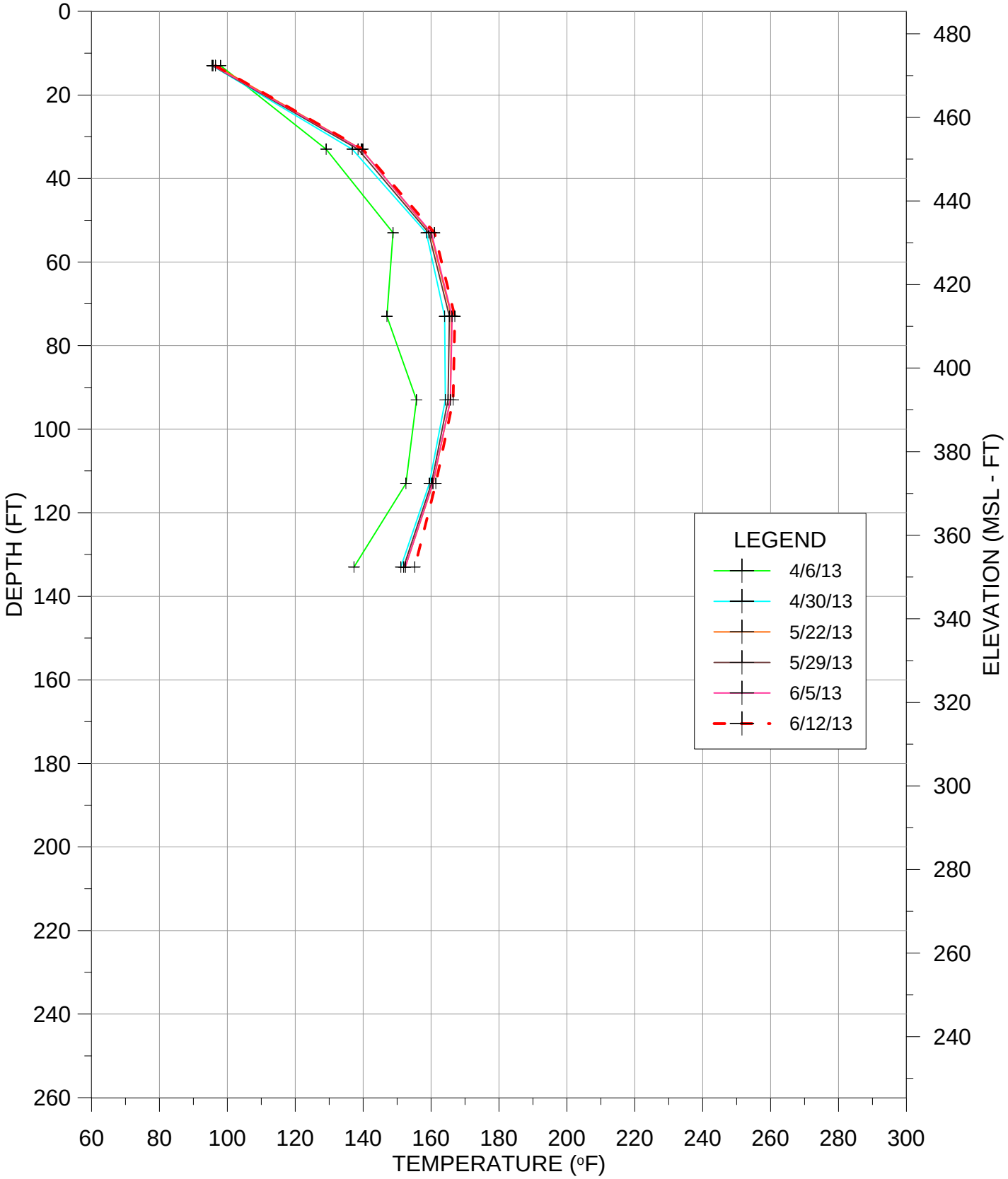
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-9



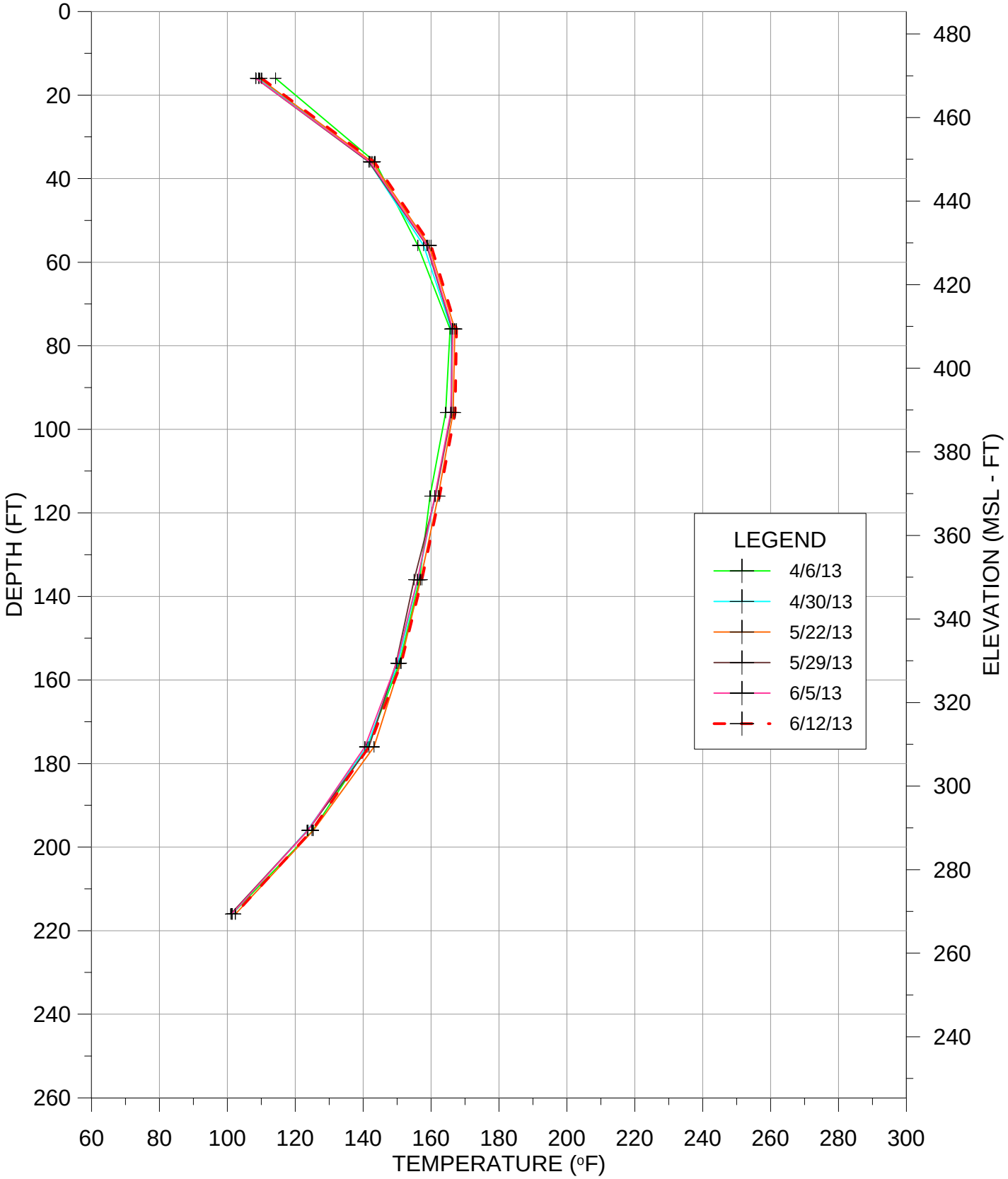
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-10



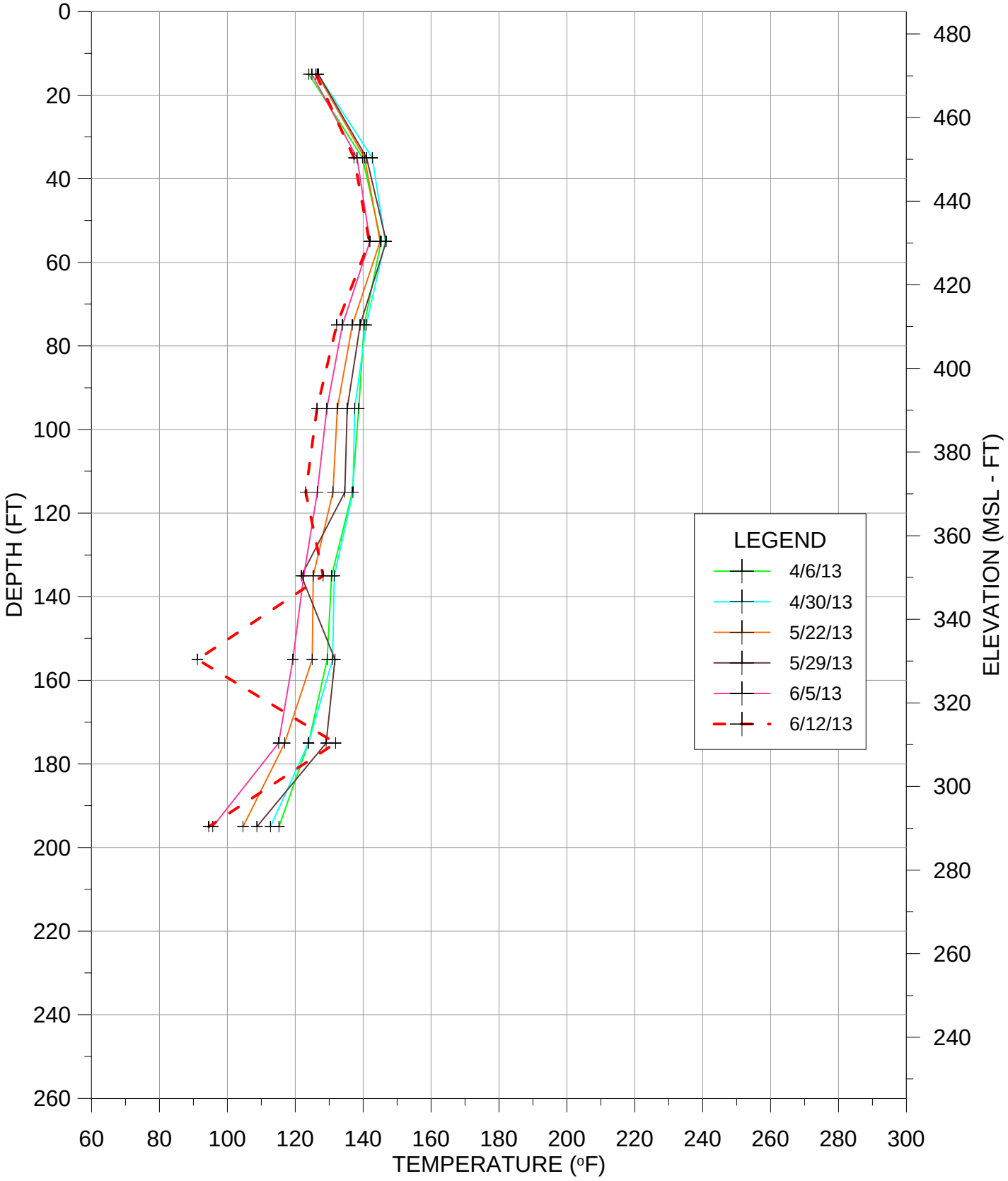
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-11



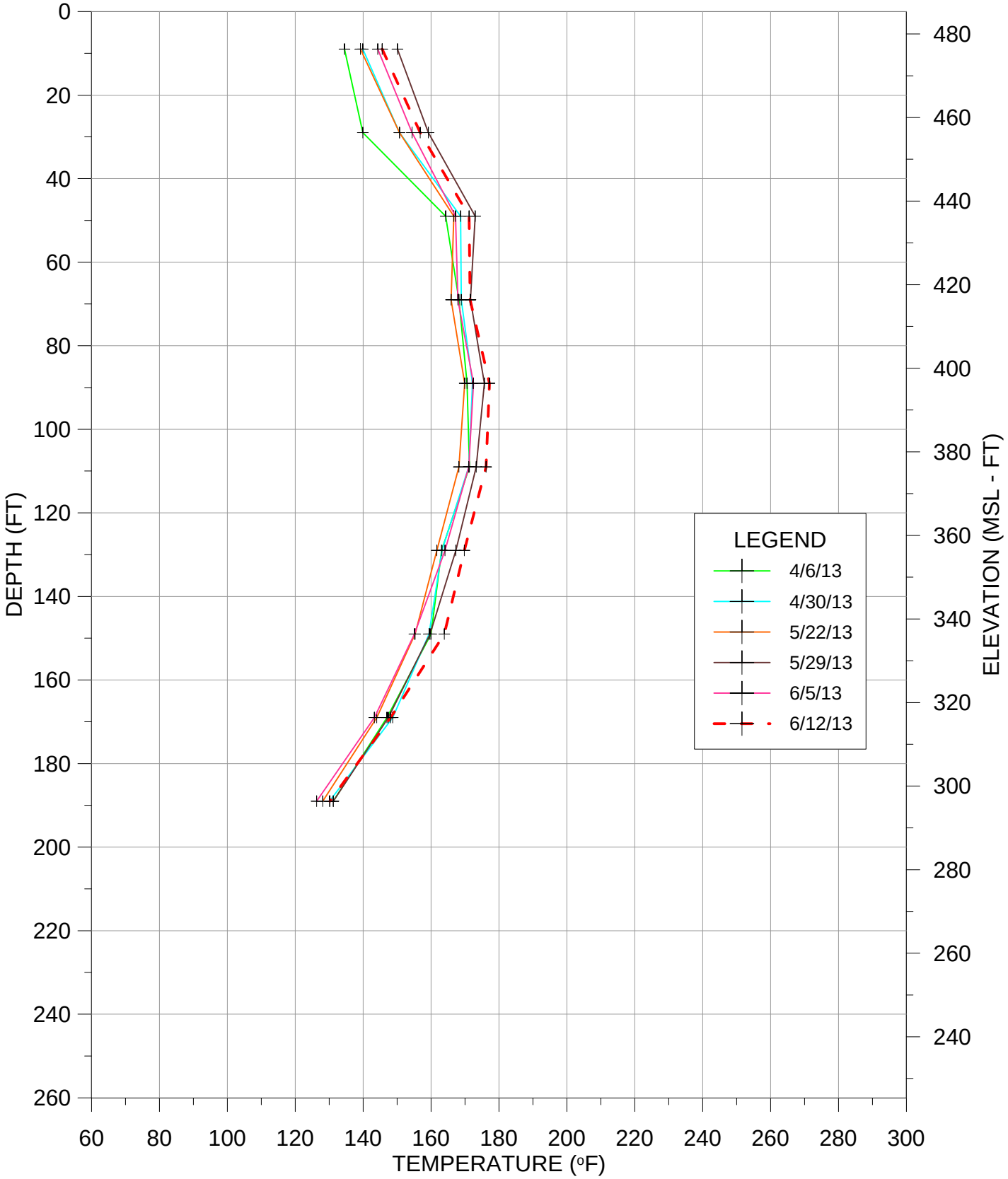
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-12



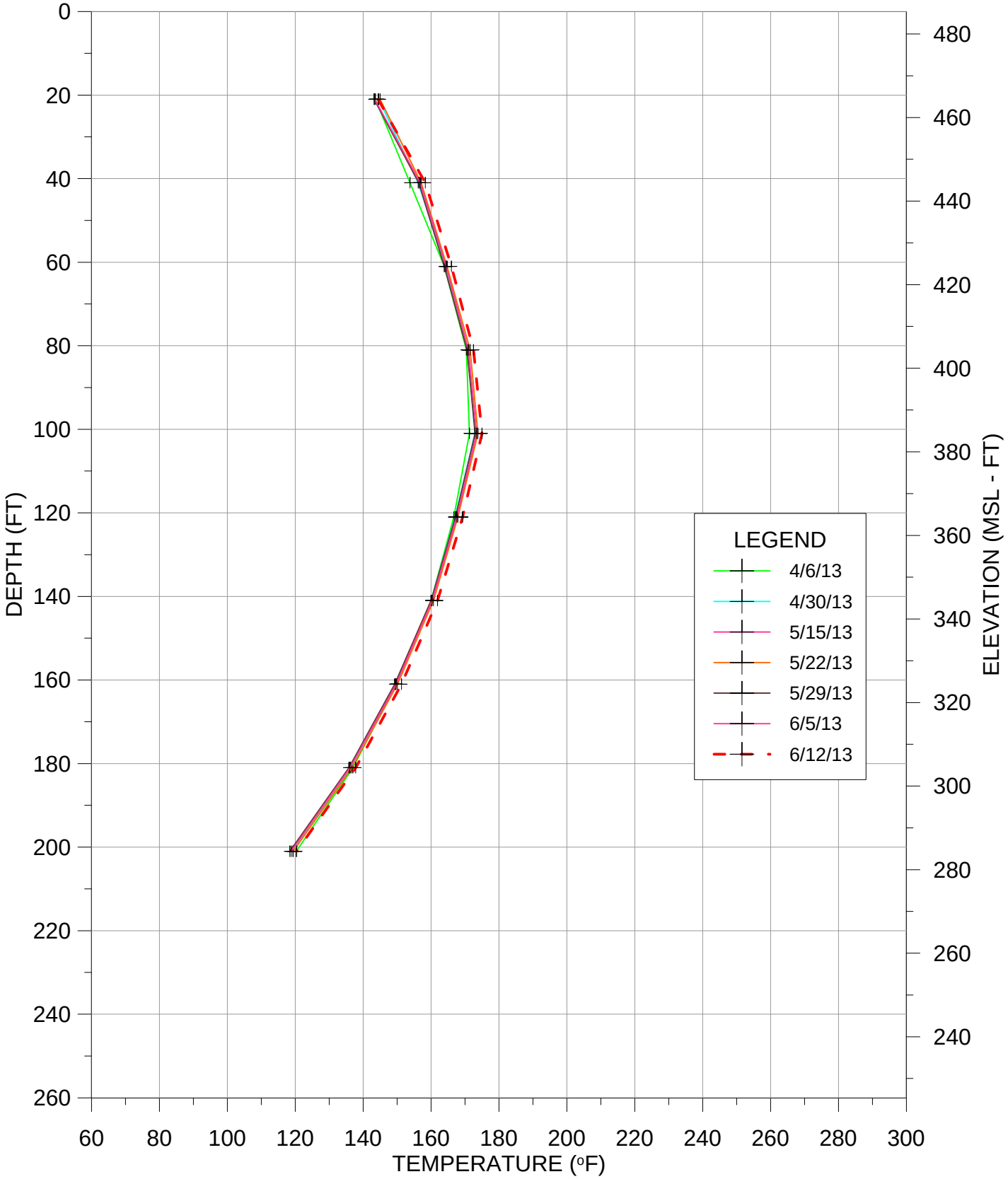
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-13



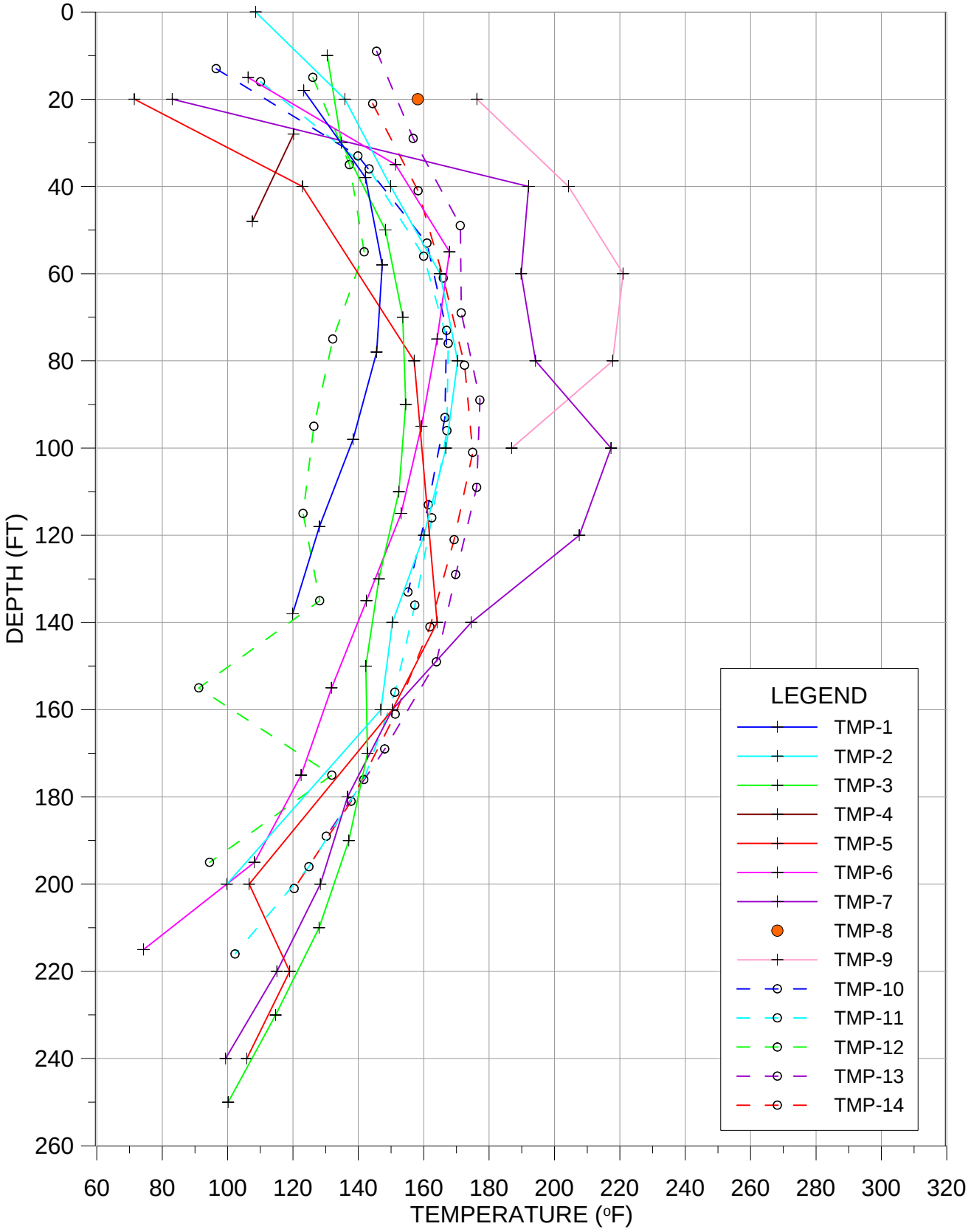
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-14



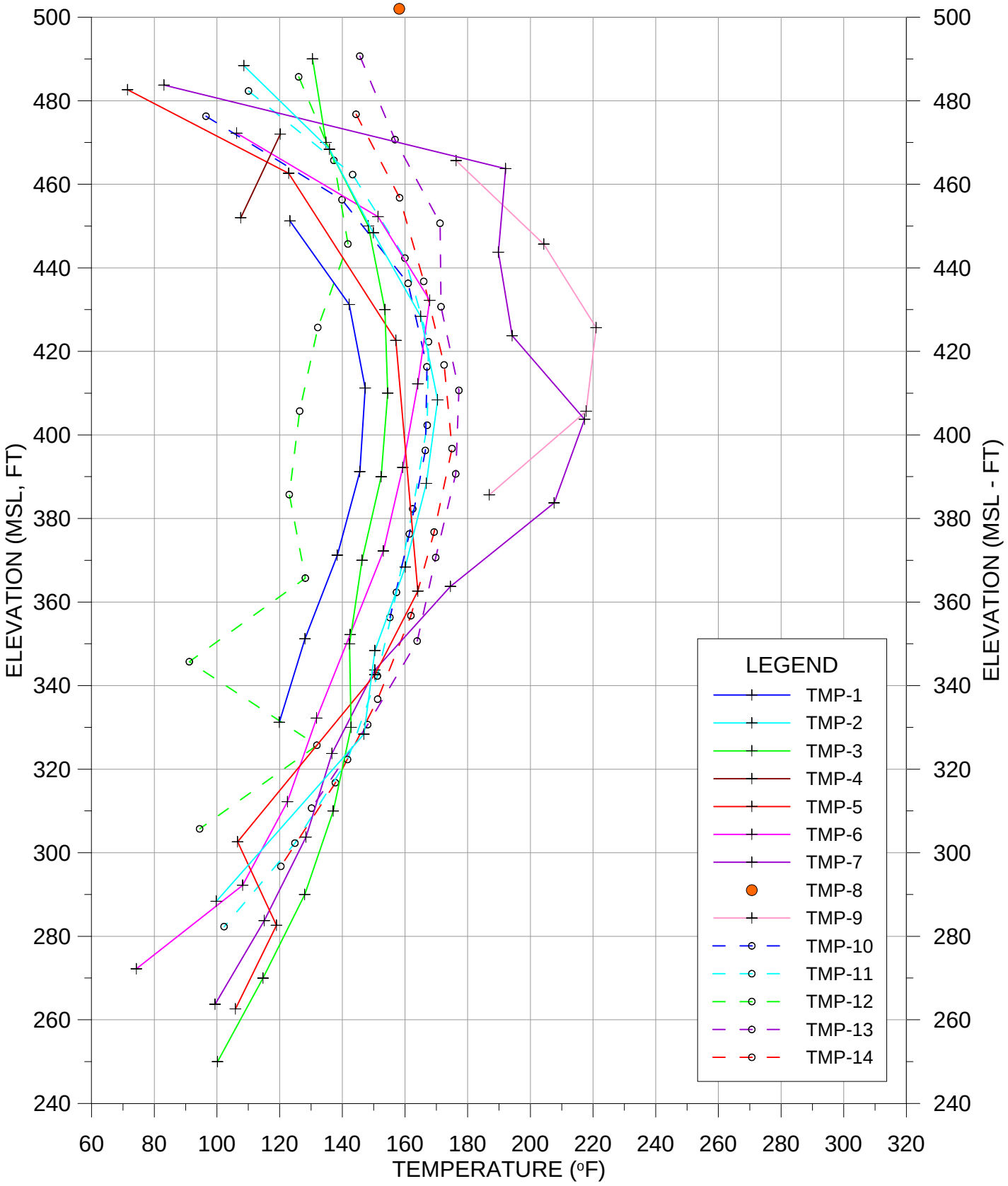
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

6/12/2013 -DEPTH



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

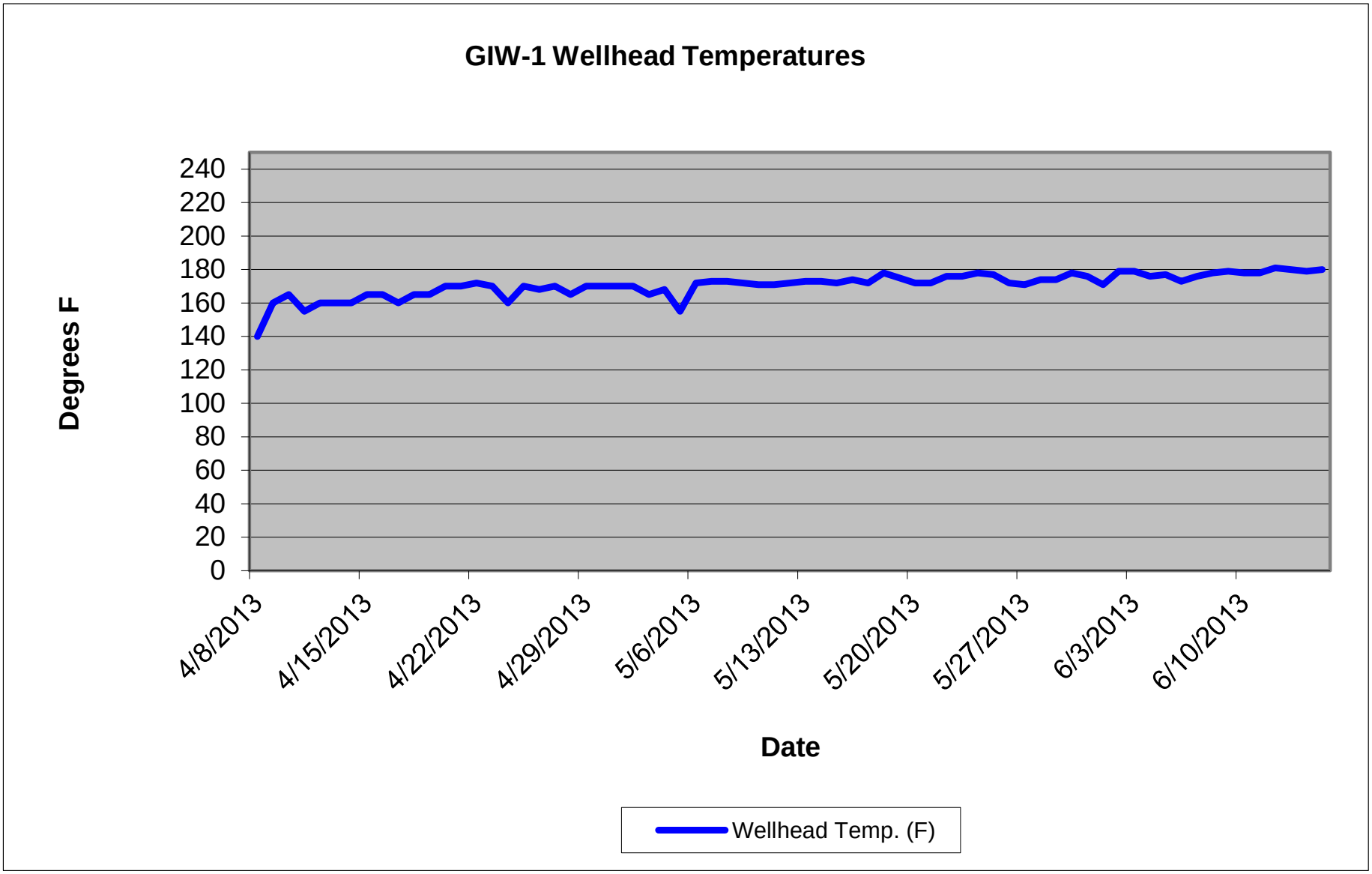
6/12/2013 - ELEVATION

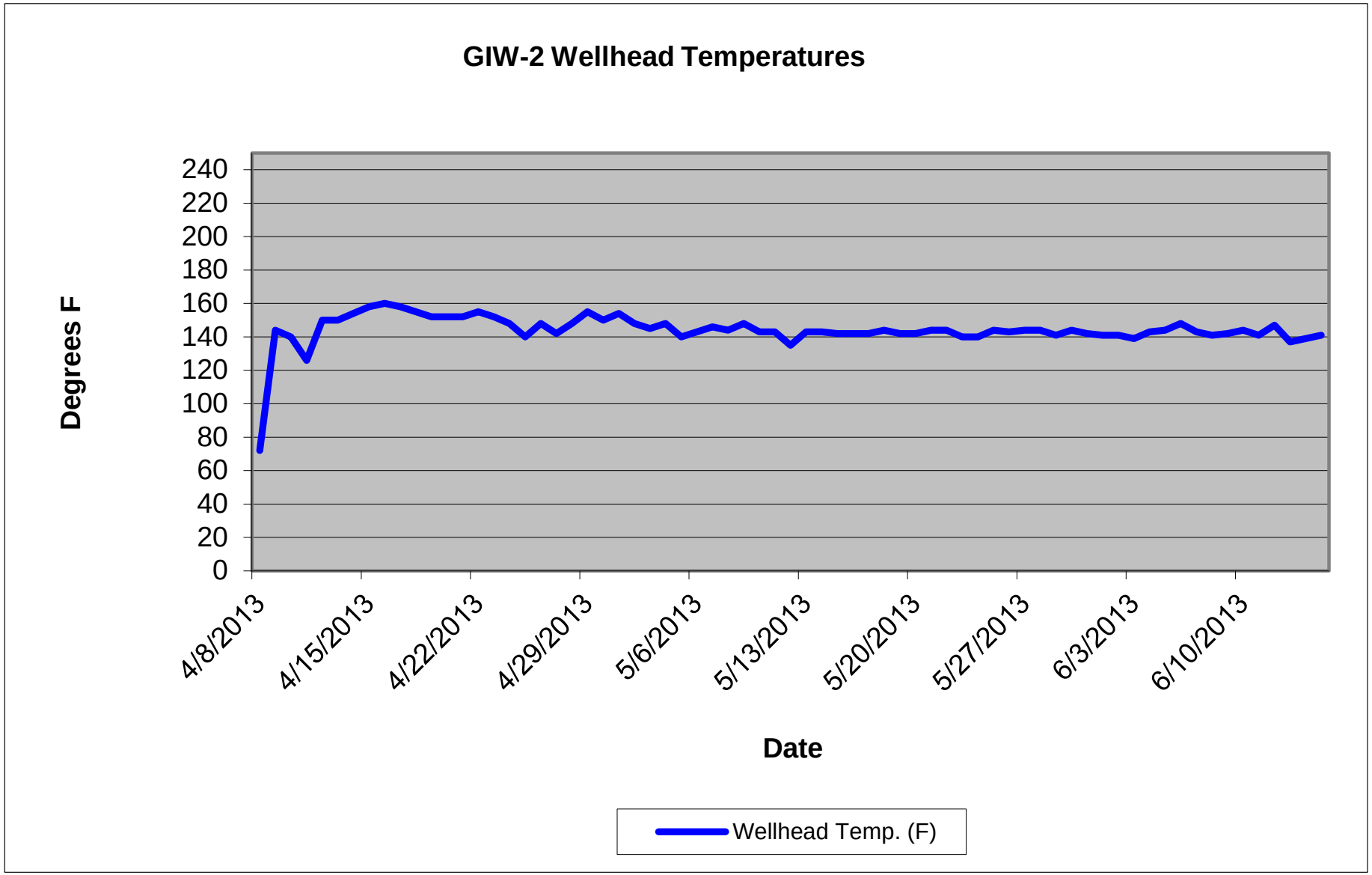


TEMPERATURE VS ELEVATION
BRIDGETON LANDFILL

ATTACHMENT C

GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS


GIW-1 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-2 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
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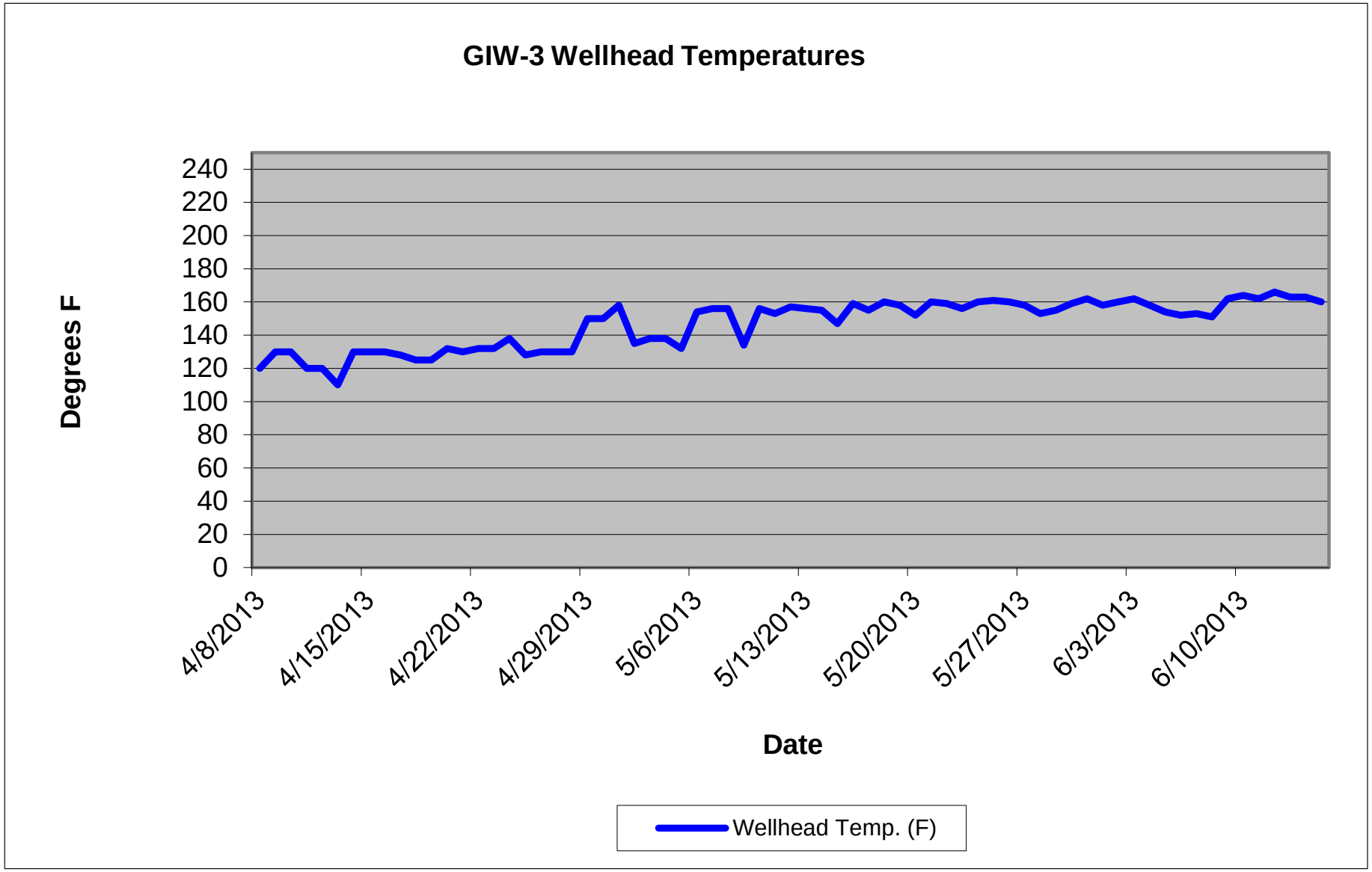
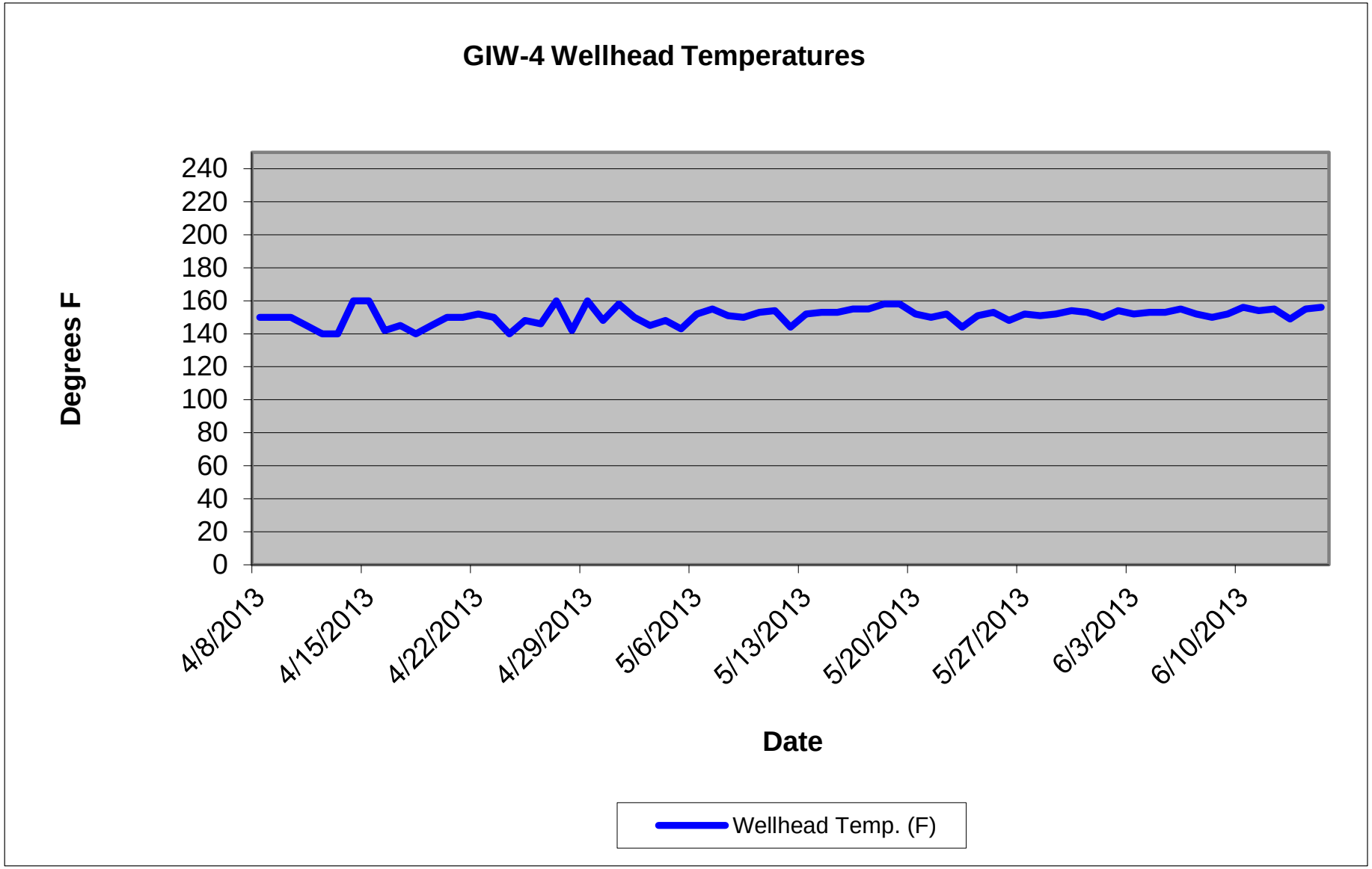
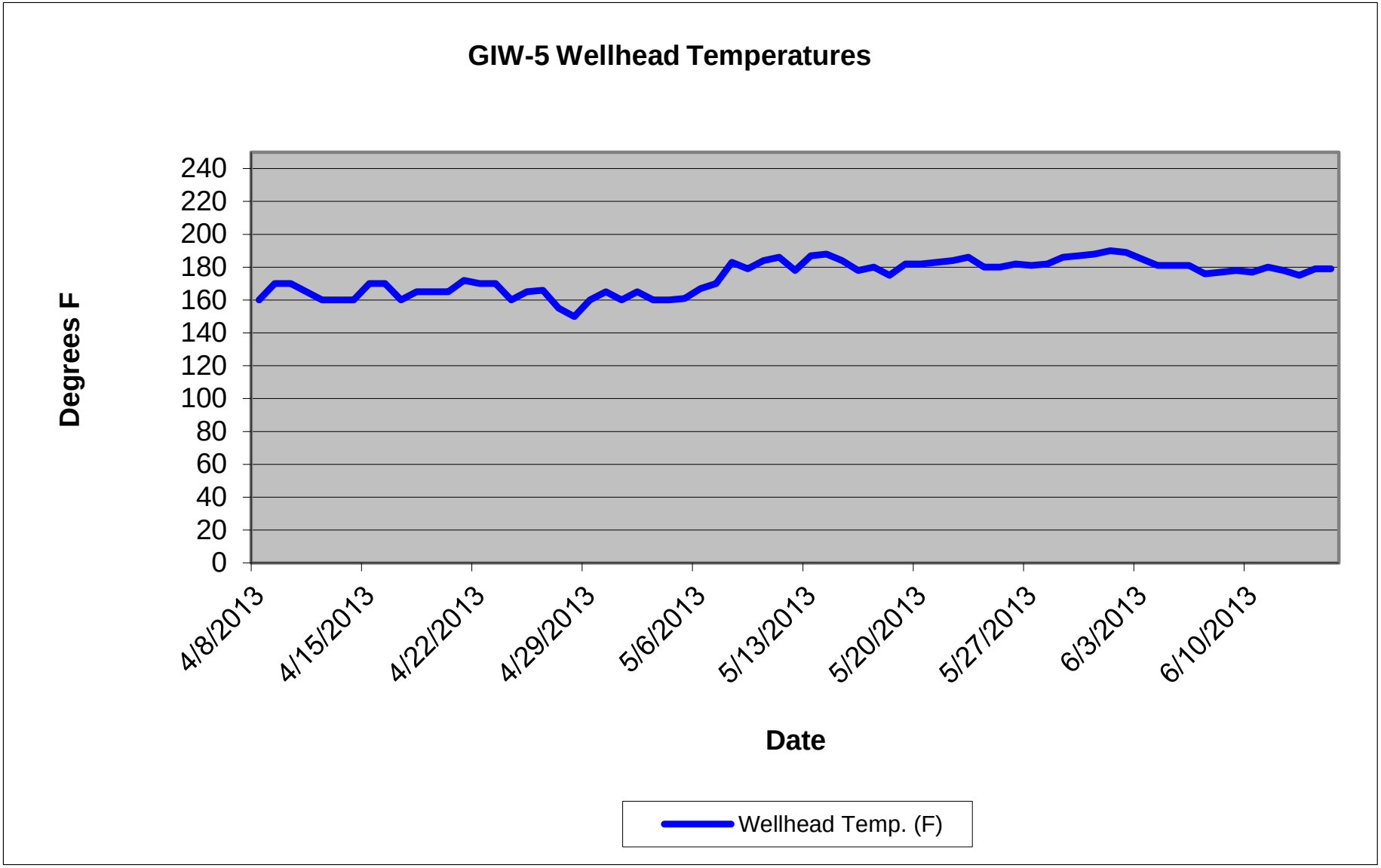
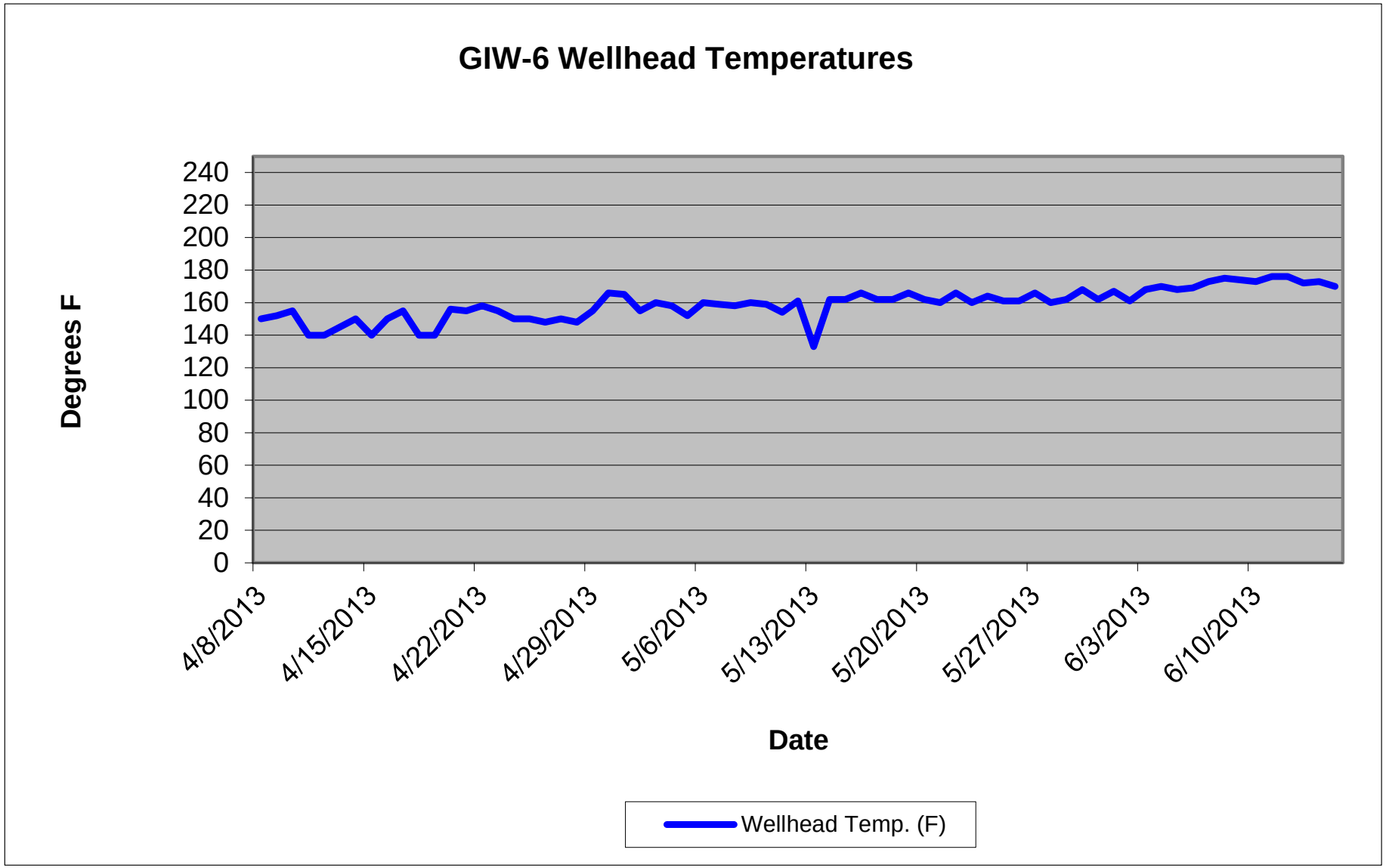
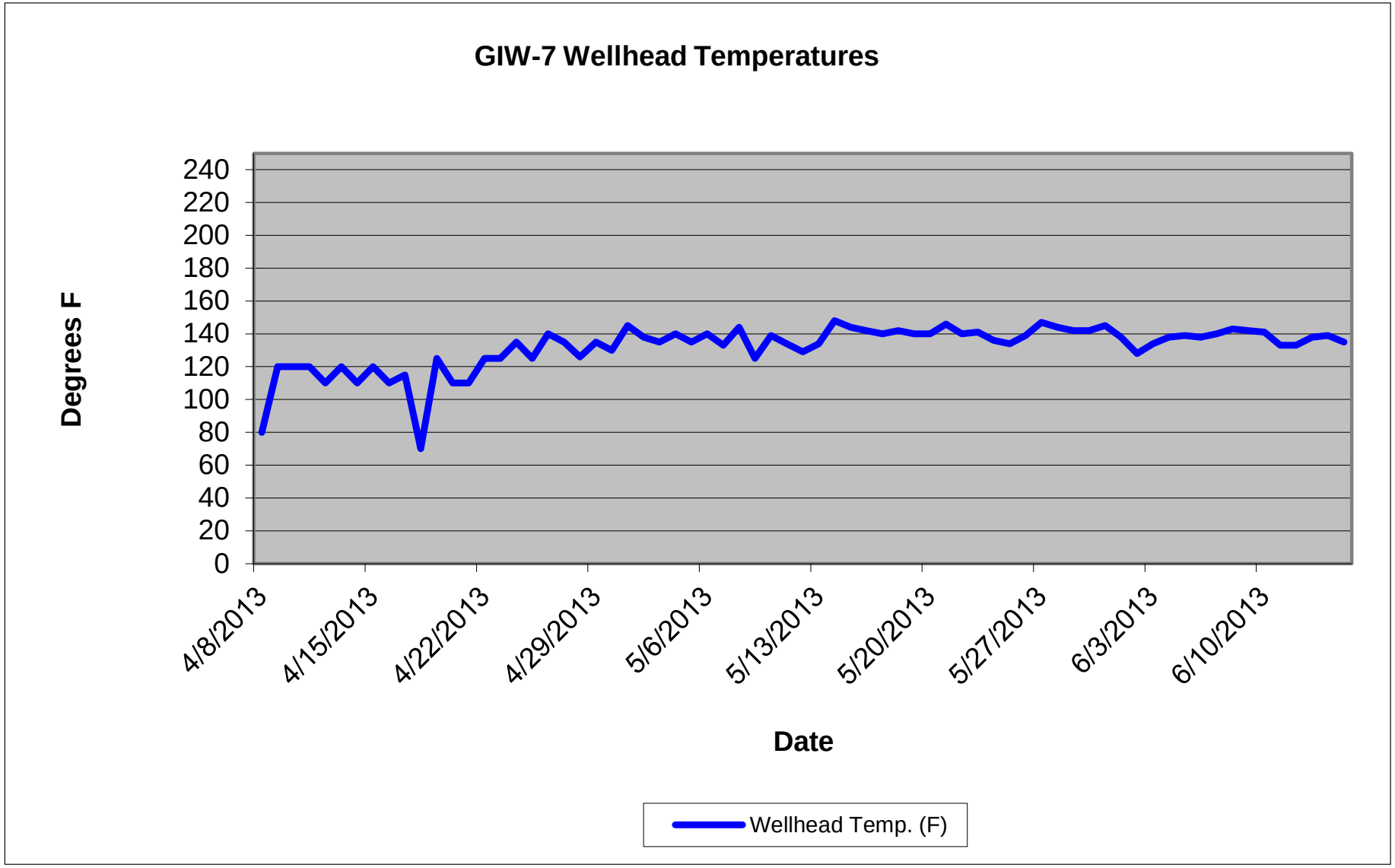
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

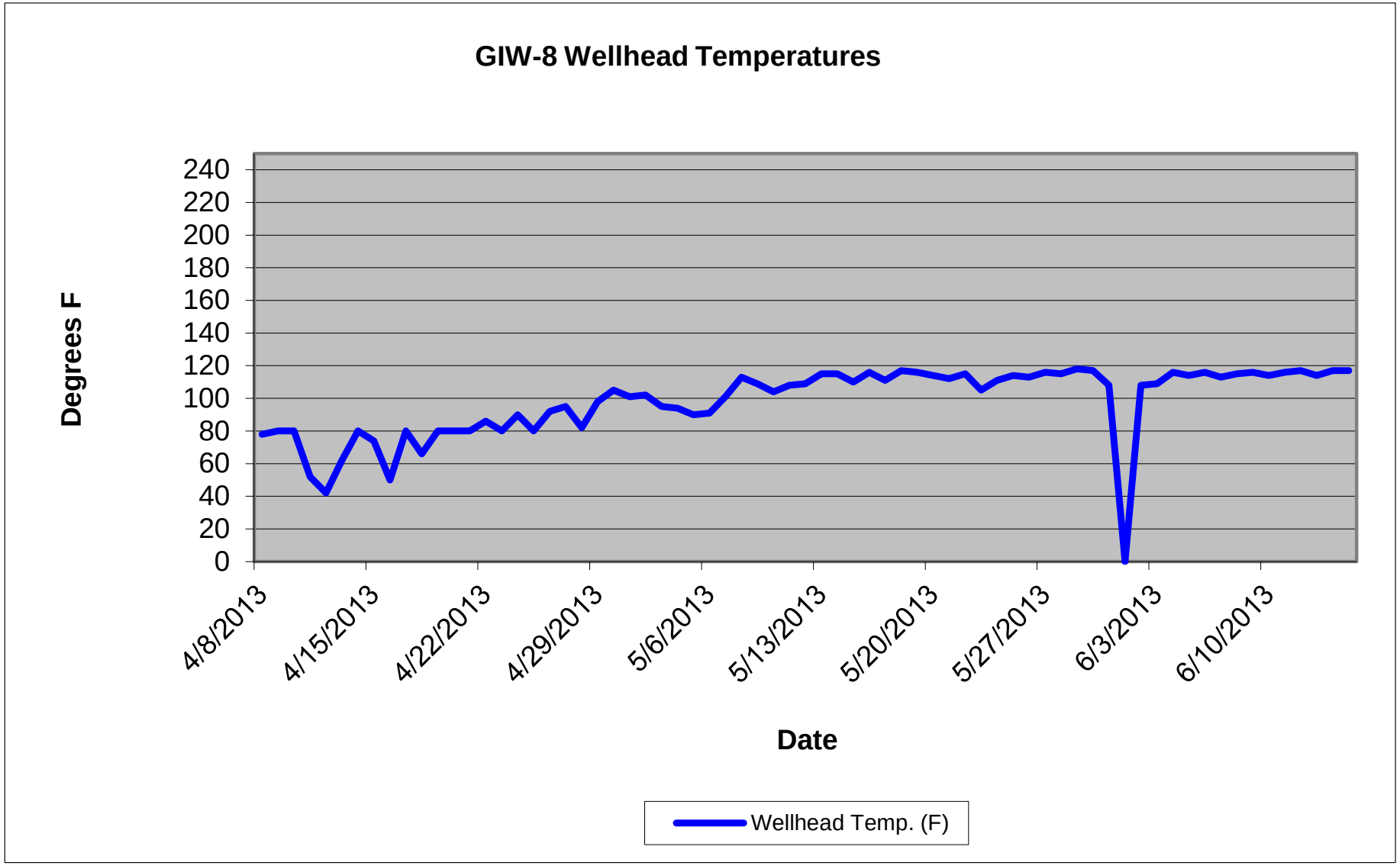

GIW-3 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

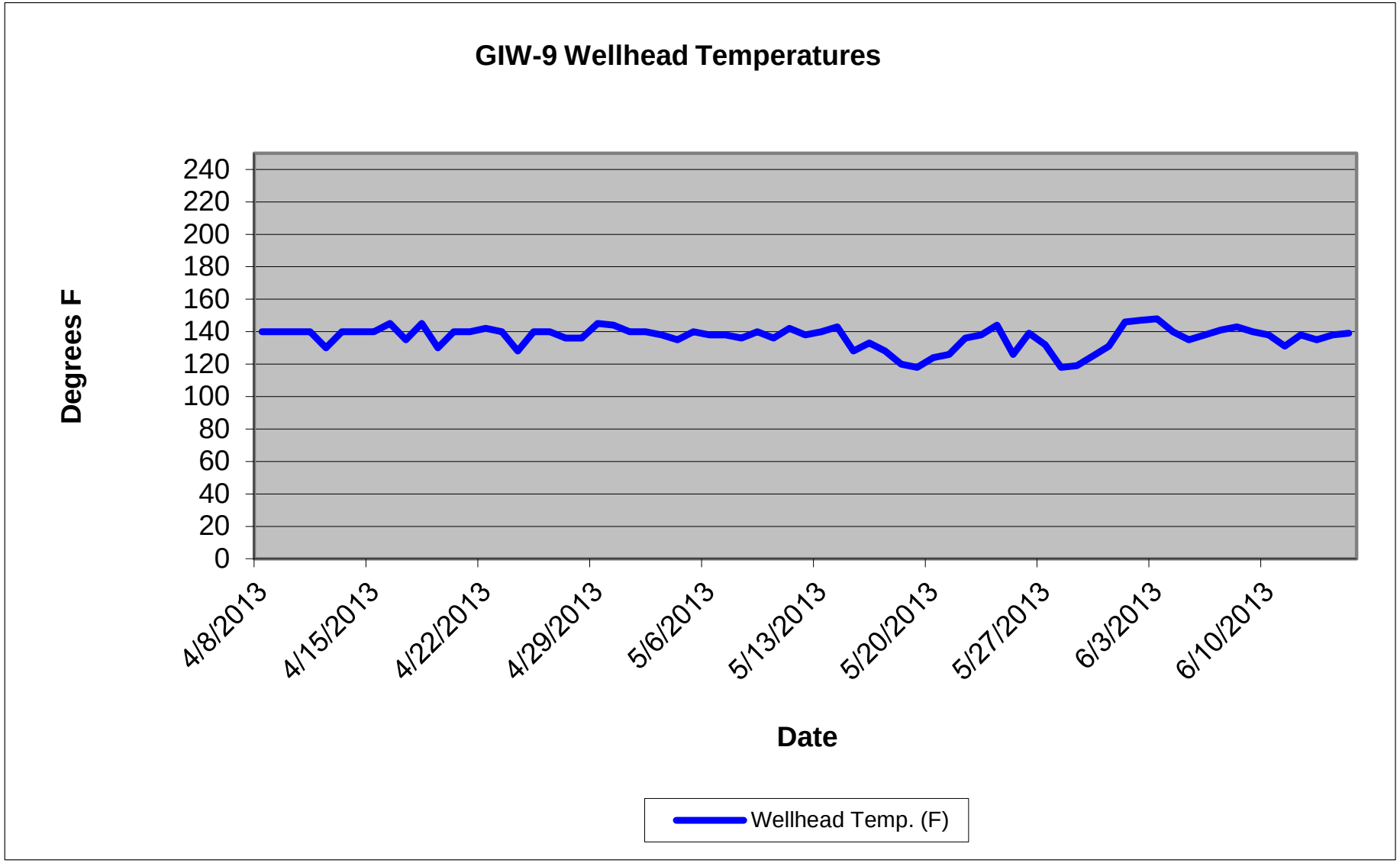

GIW-4 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

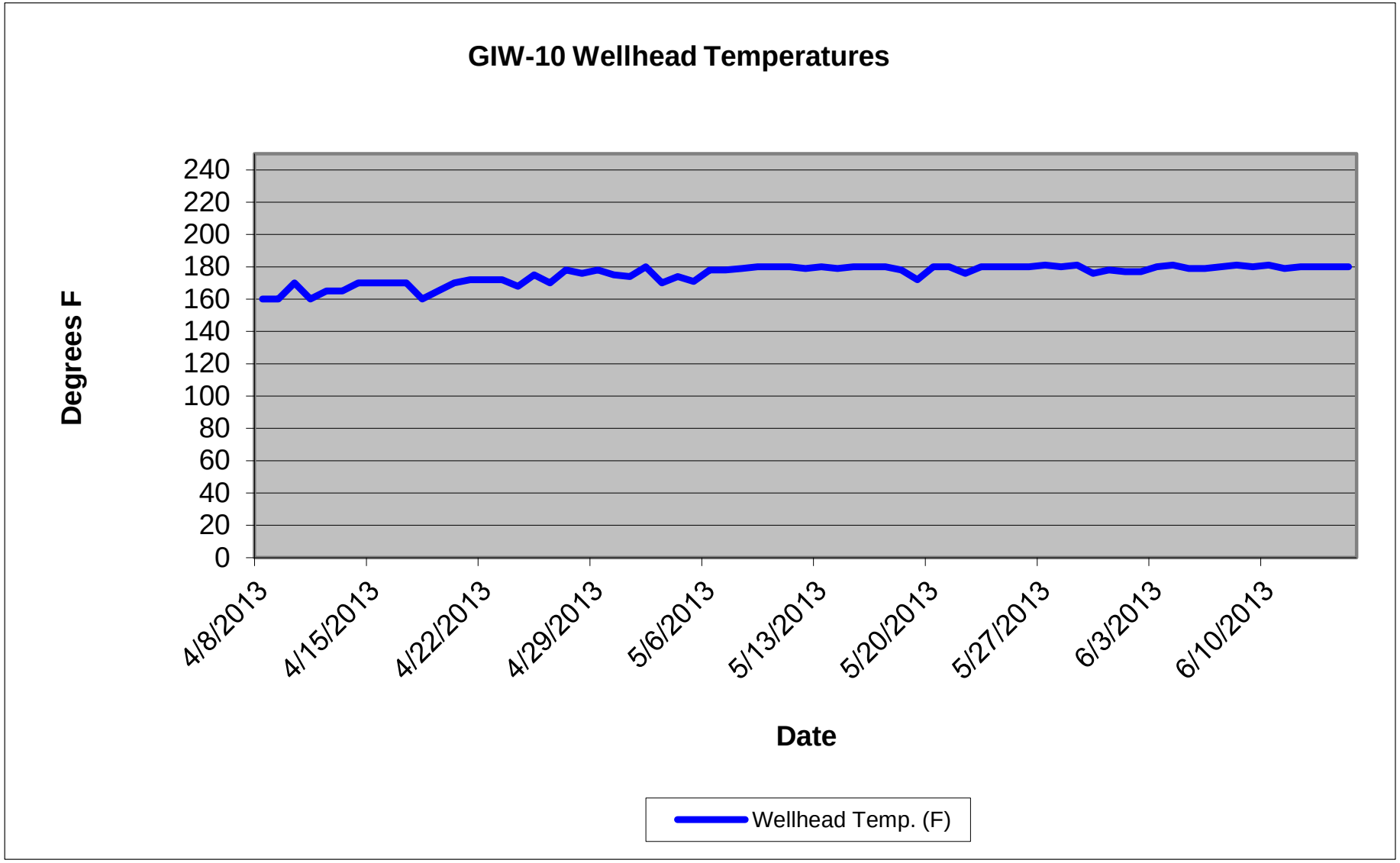

GIW-5 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

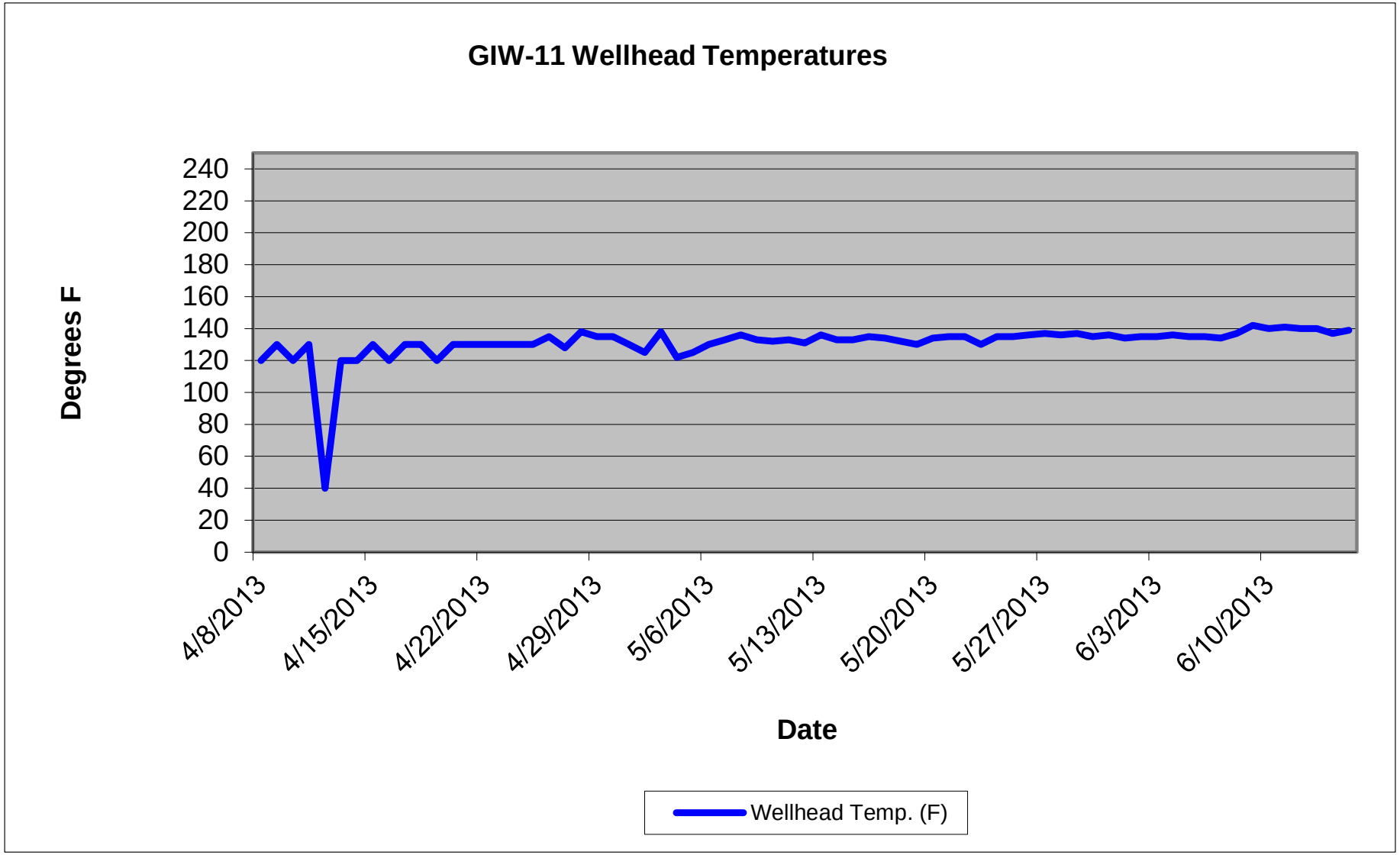

GIW-6 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

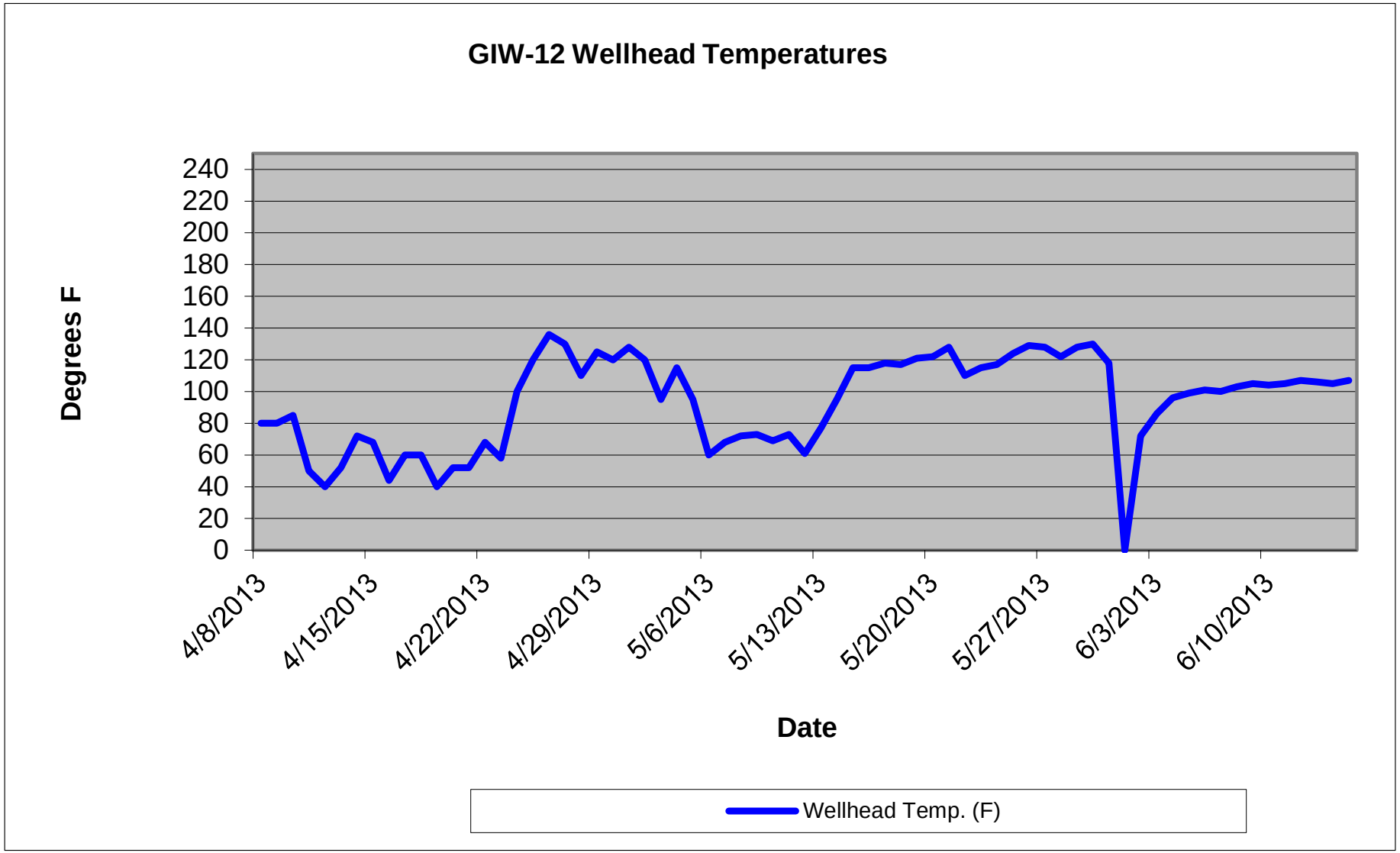

GIW-7 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)

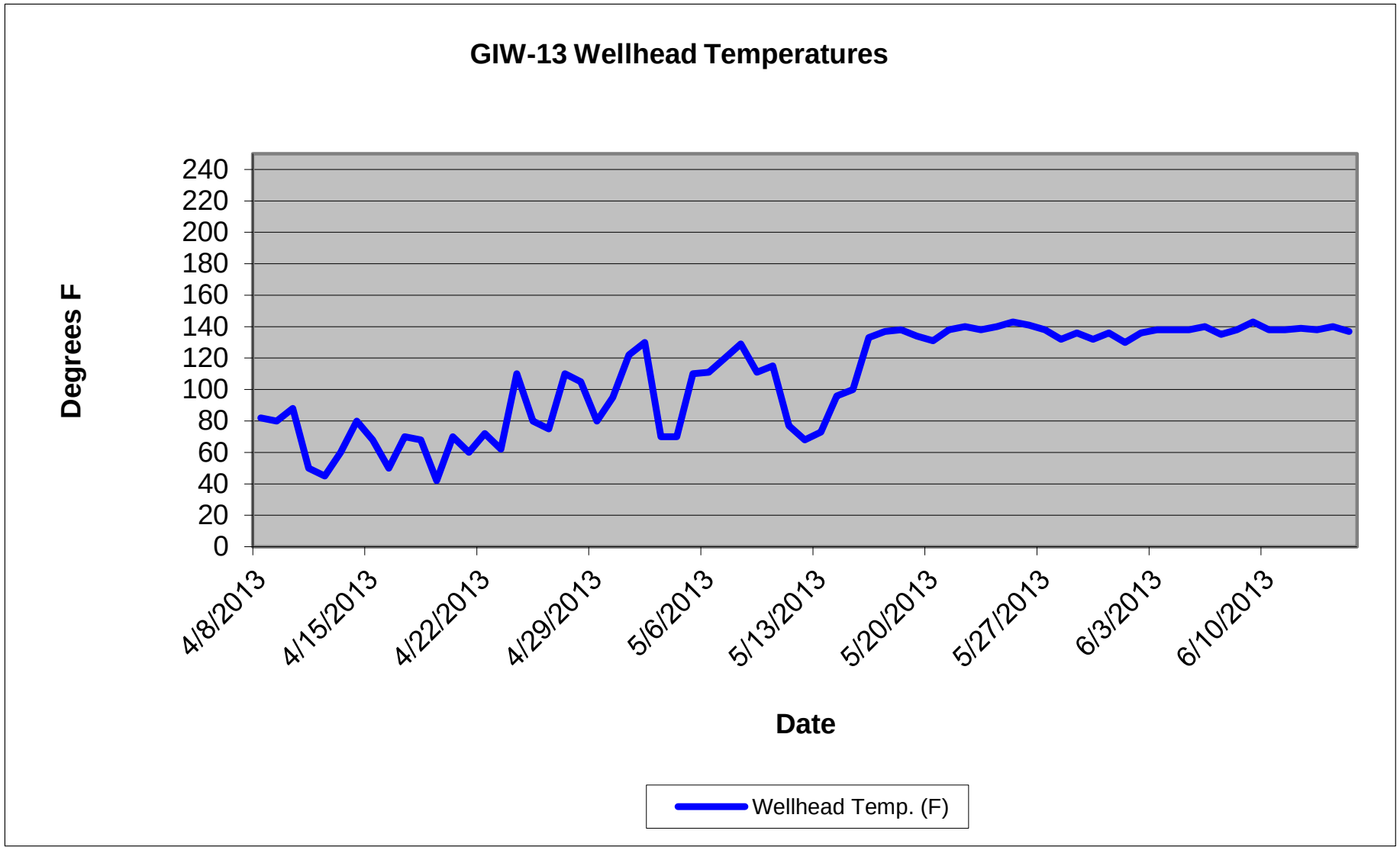

GIW-8 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-9 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-10 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-11 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-12 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)


GIW-13 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
Date
Wellhead Temp. (F)