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**

July 2, 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 has been drilled but attempts to place well casing and pump in it have been temporarily abandoned until some excess pressure in the LCS is relieved.

The LCS-1 pump failed last week and a new pump is schedule to be installed the week of July 1, 2013. The other 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 reliably monitorable. The following TMPs indicated virtually identical or lower temperature profiles than previous week(s): TMP-1, -2, -3, -4, -5, -6, -9, -10, -11, -12, -13, and -14. Although most of the TMPs were lower this week, it is too early to tell if this is start of a trend or just a normal weekly variation that could be caused by a number of factors including humidity, slight electrical field variations, or ambient temperature at the readout.

Only TMP-7 indicated slight to moderate increase from previous weeks, and it is determined that TMP-7 is in the SSE zone as evidenced by a maximum temperature higher than 220°F.

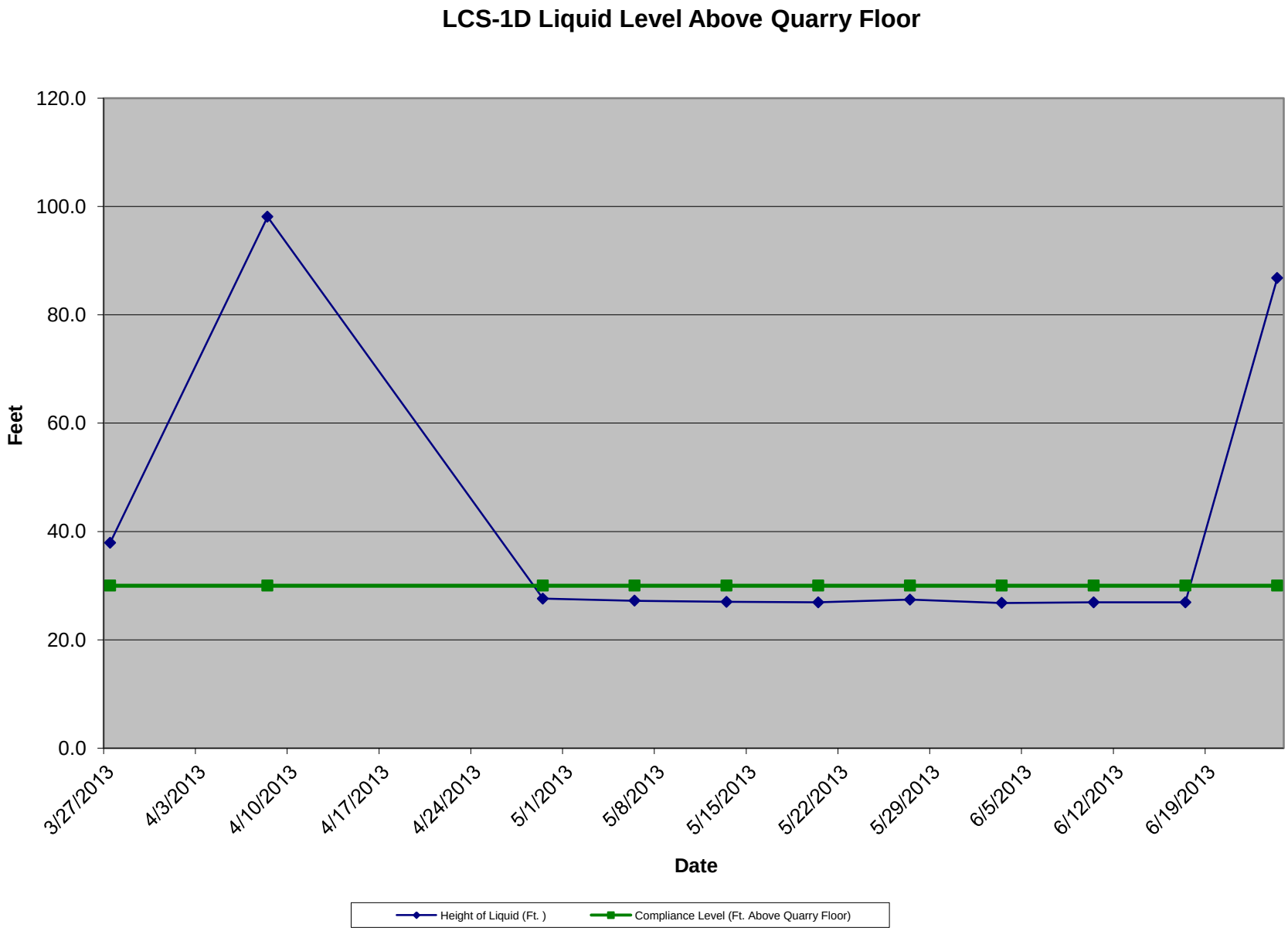
Attachment C – Gas Interceptor Wellhead Temperature Graphs

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

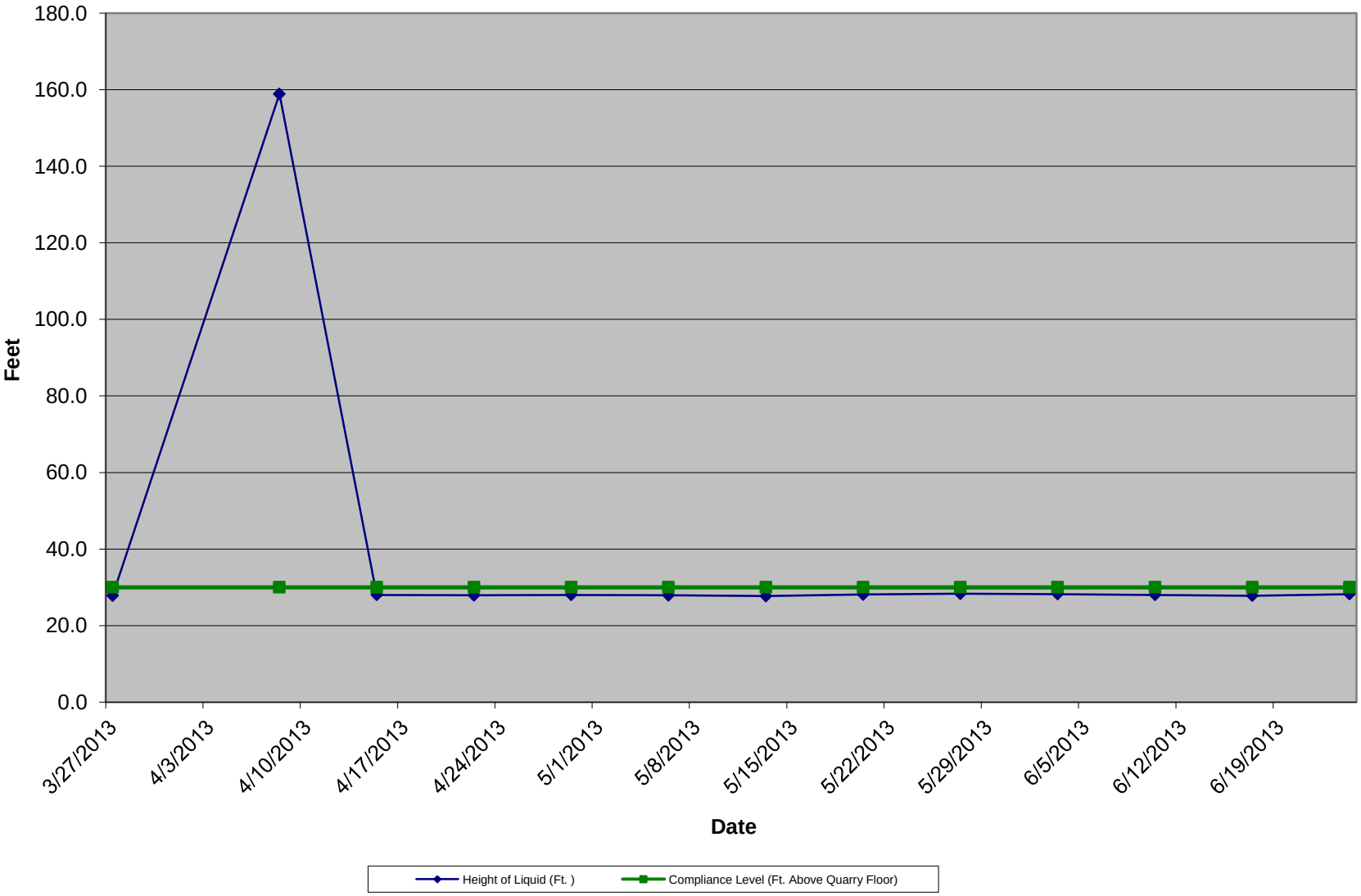
Overall, GIW wellhead temperatures have been very steady over the past several weeks suggesting that a current steady-state of heat exchange is occurring as may be expected once the reaction front is significantly slowed.

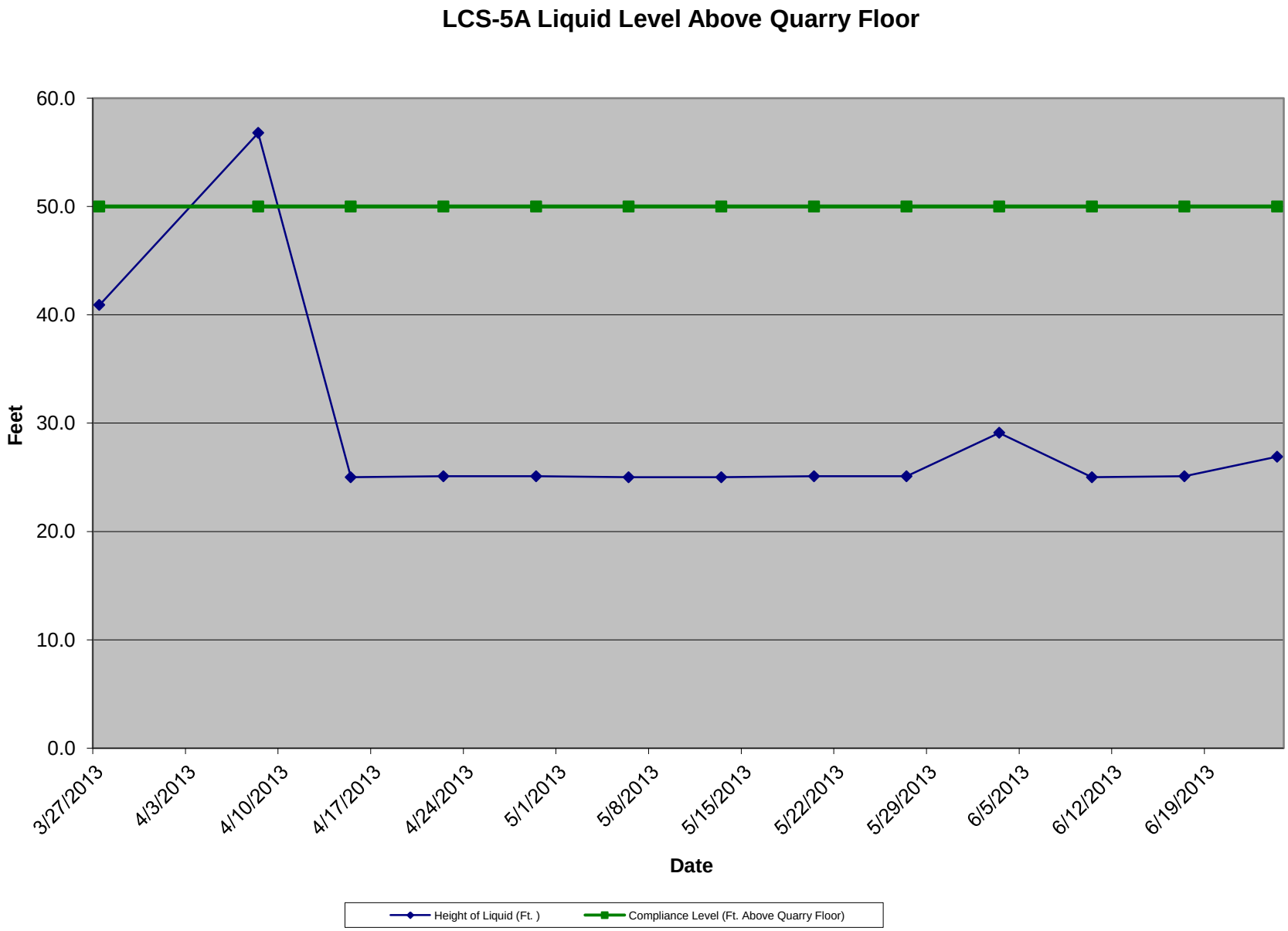
ATTACHMENT A

LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS

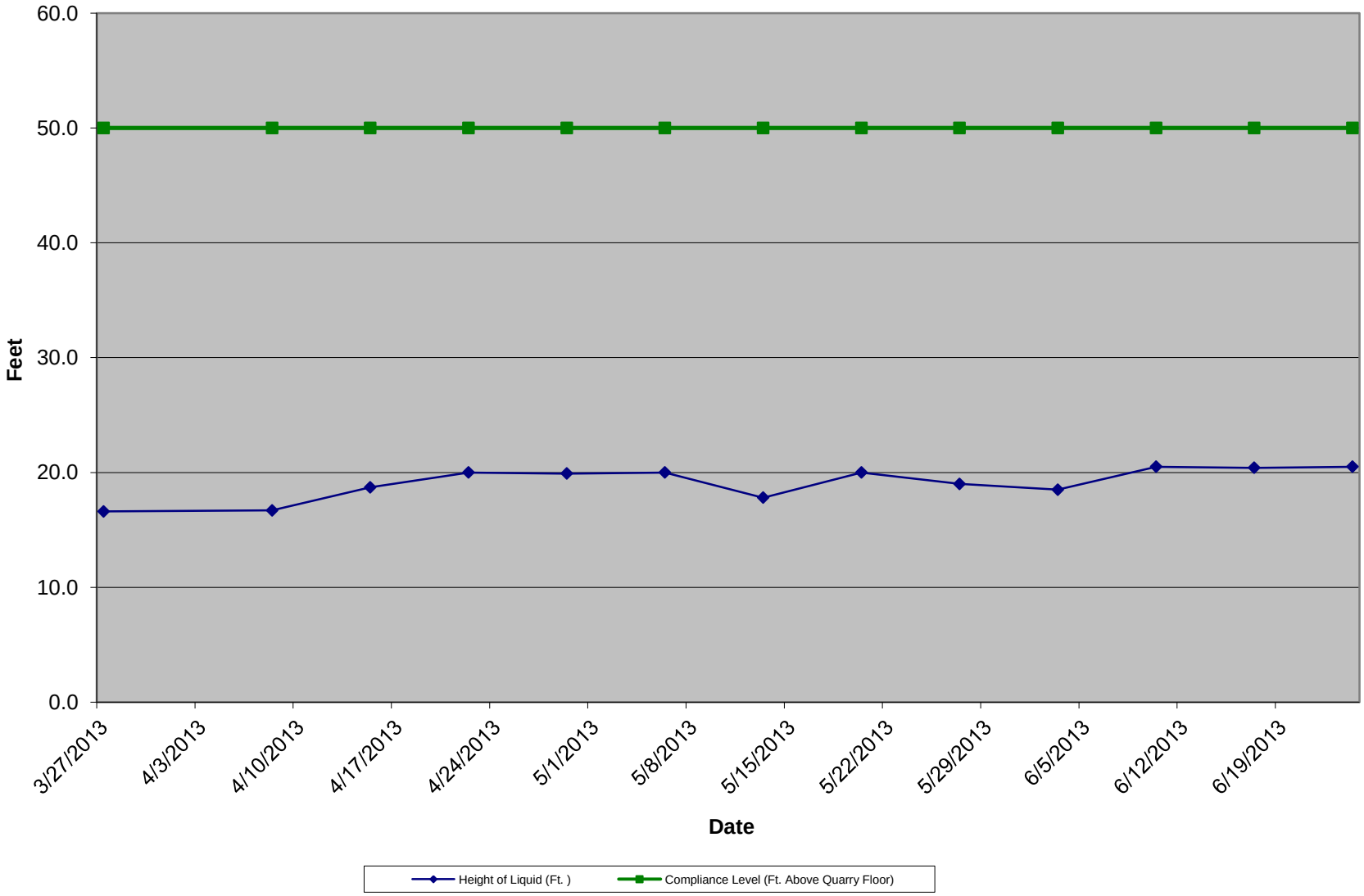

LCS-1D Liquid Level Above Quarry Floor
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Feet
3/27/2013
4/3/2013
4/10/2013
4/17/2013
4/24/2013
5/1/2013
5/8/2013
5/15/2013
5/22/2013
5/29/2013
6/5/2013
6/12/2013
6/19/2013
Date
Height of Liquid (Ft.)
Compliance Level (Ft. Above Quarry Floor)

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
6/5/2013
6/12/2013
6/19/2013
Date
Height of Liquid (Ft.)
Compliance Level (Ft. Above Quarry Floor)

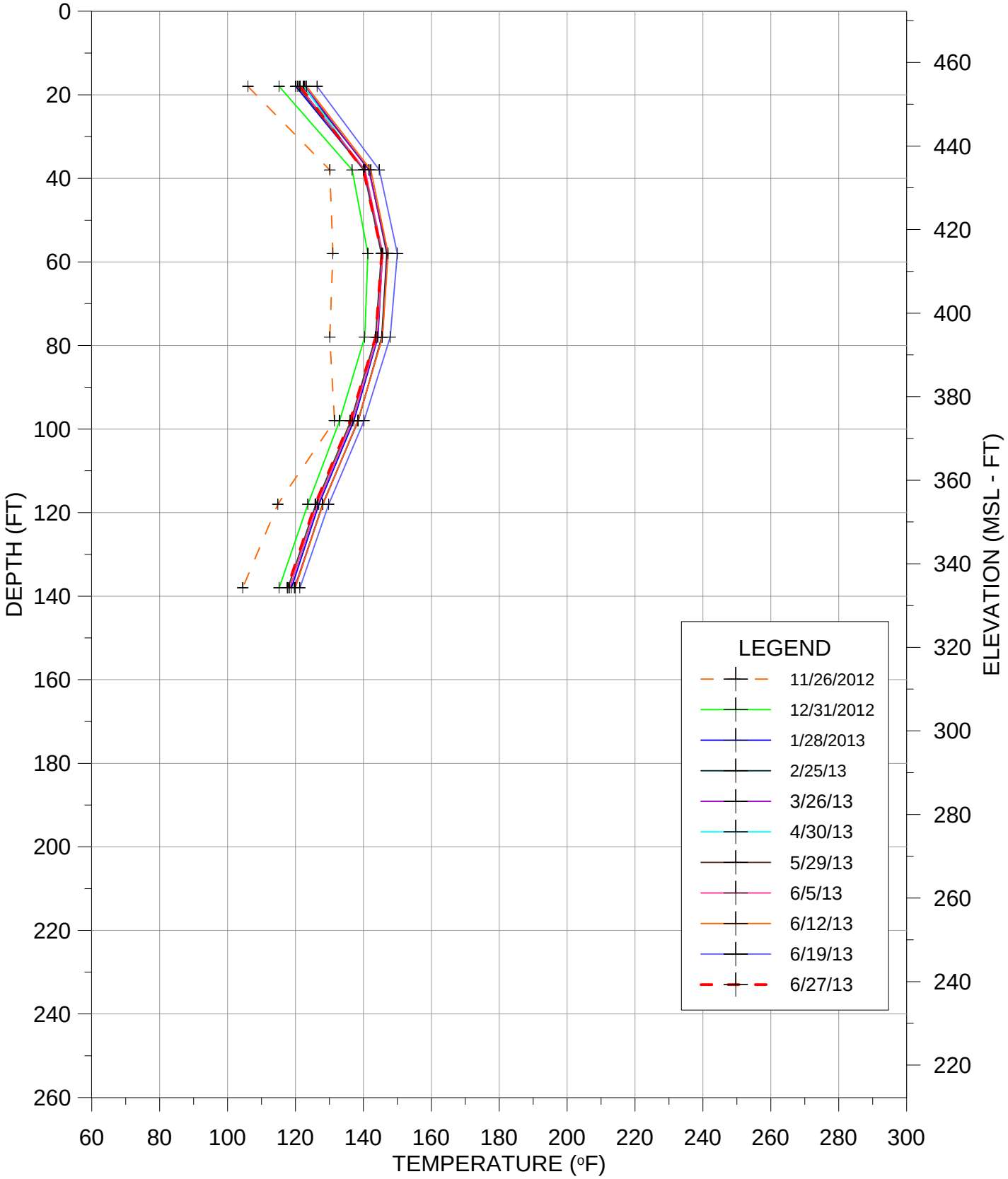
LCS-6B Liquid Level Above Quarry Floor



ATTACHMENT B

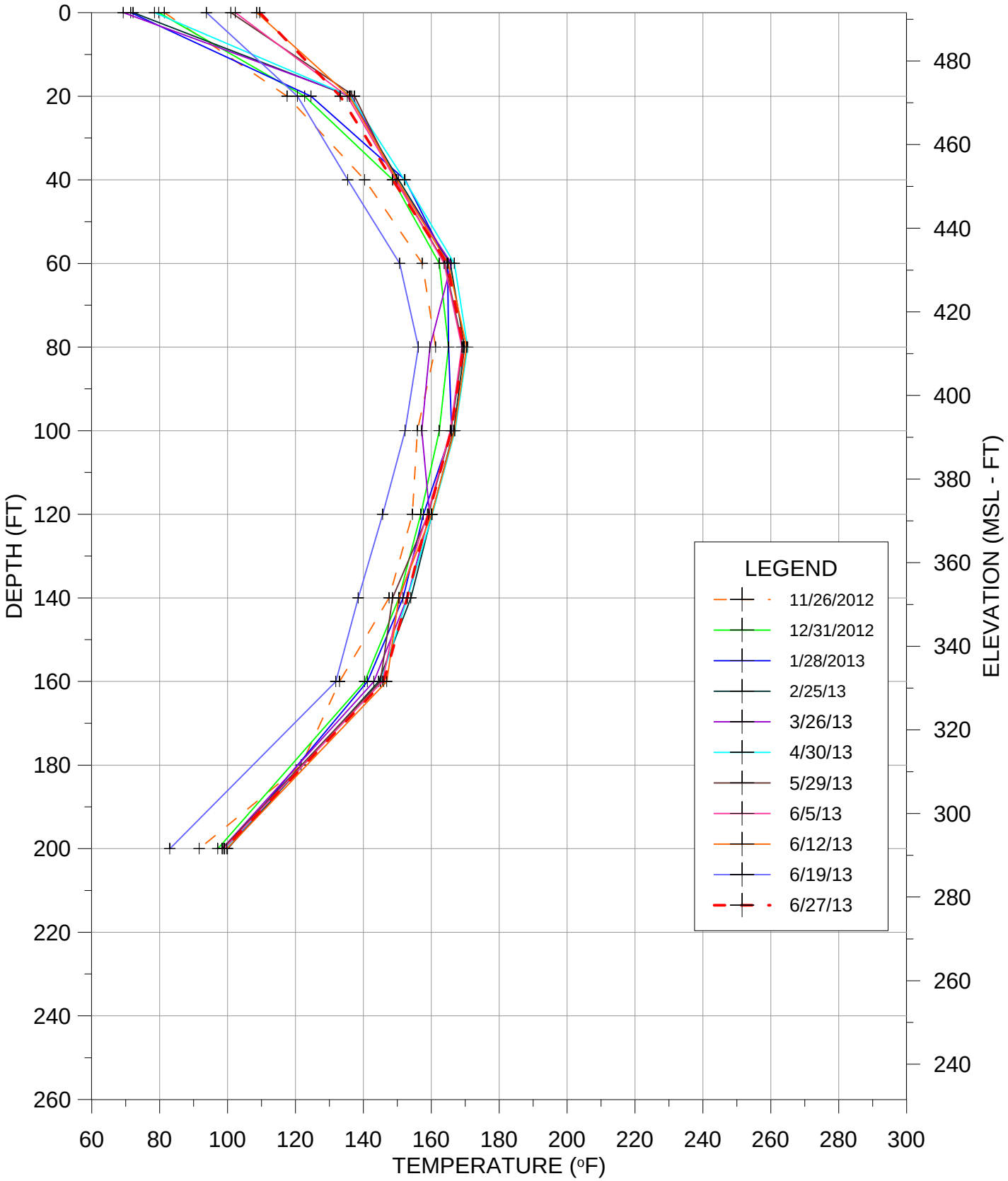
TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS

TMP-1



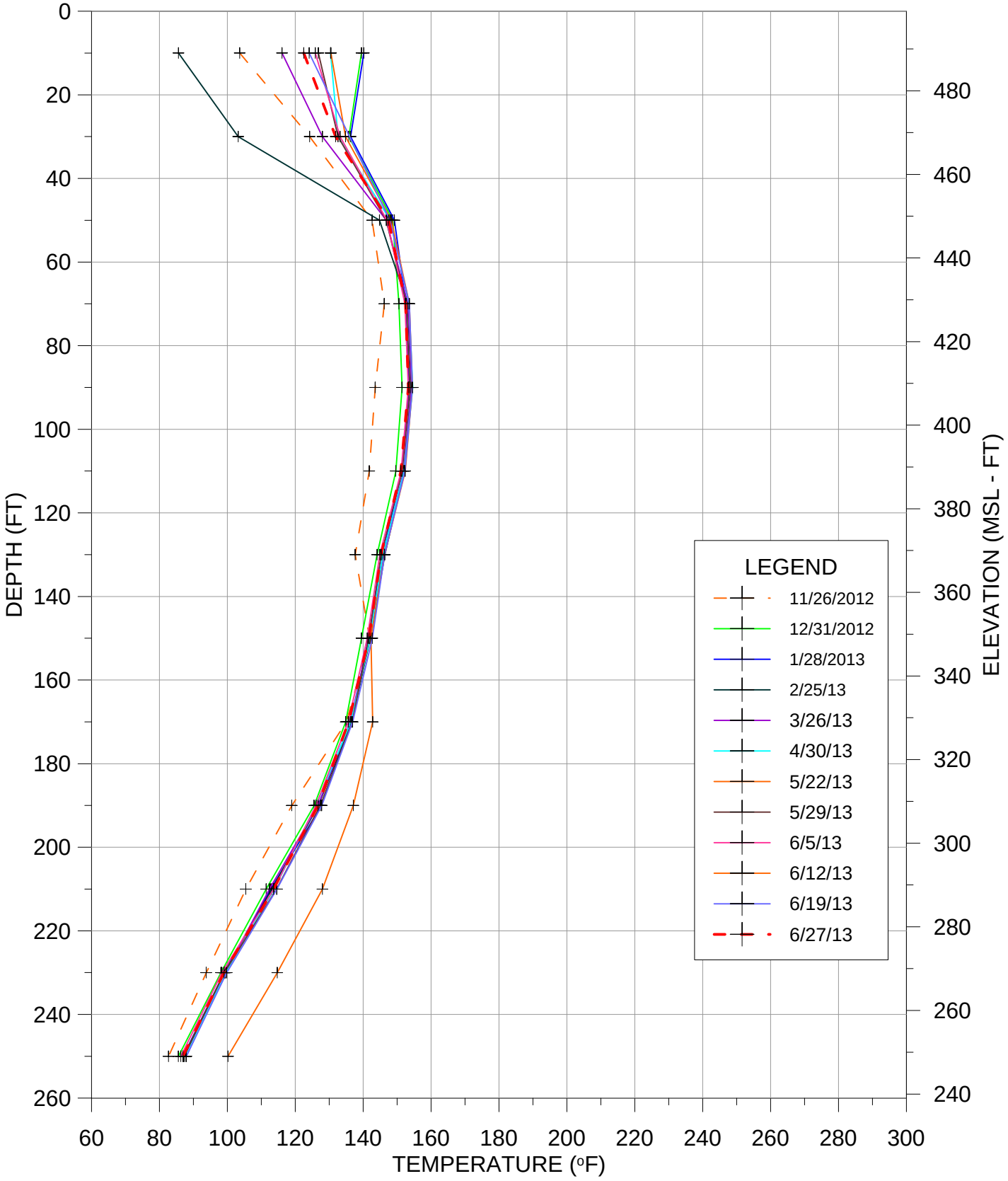
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-2



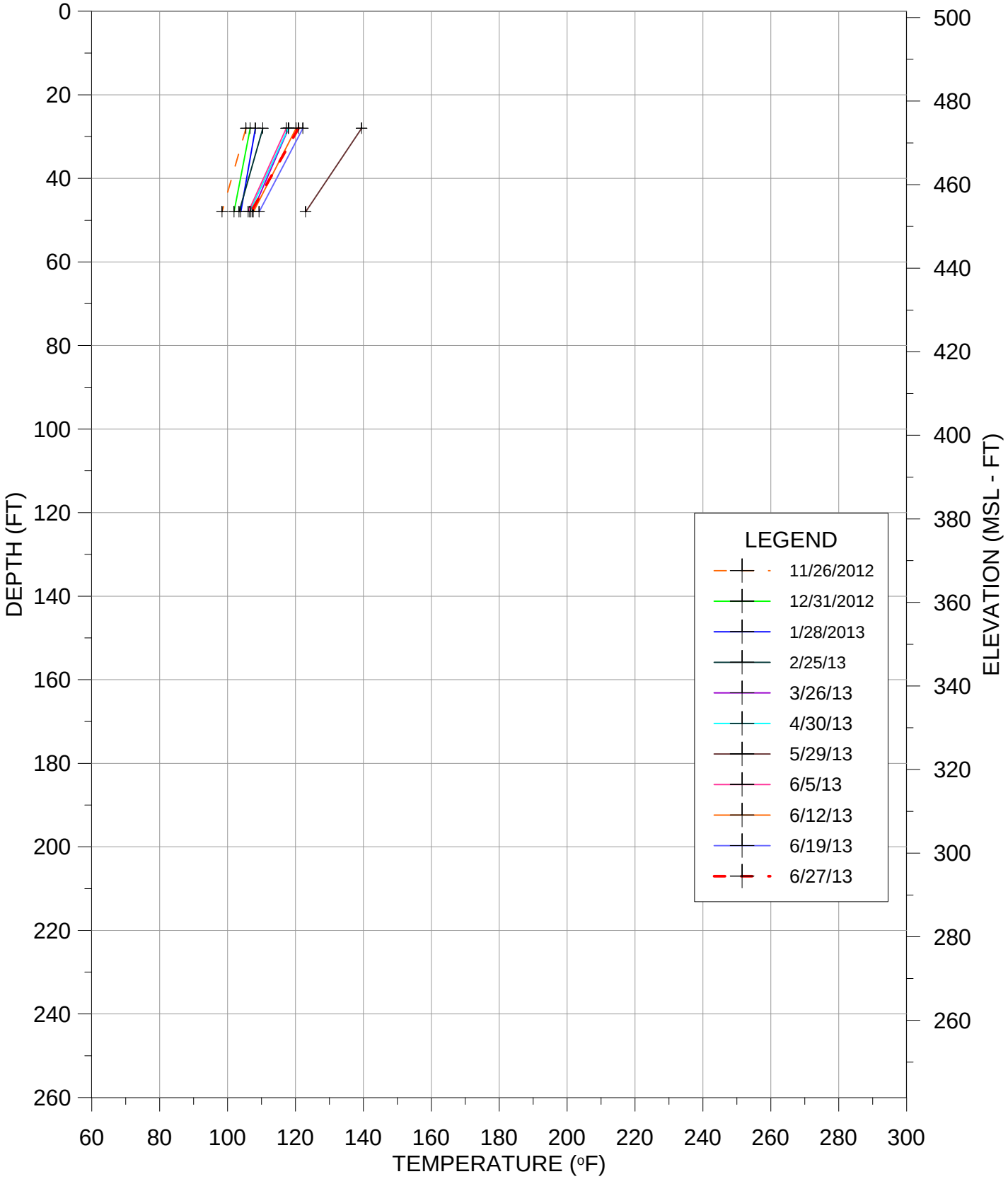
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-3



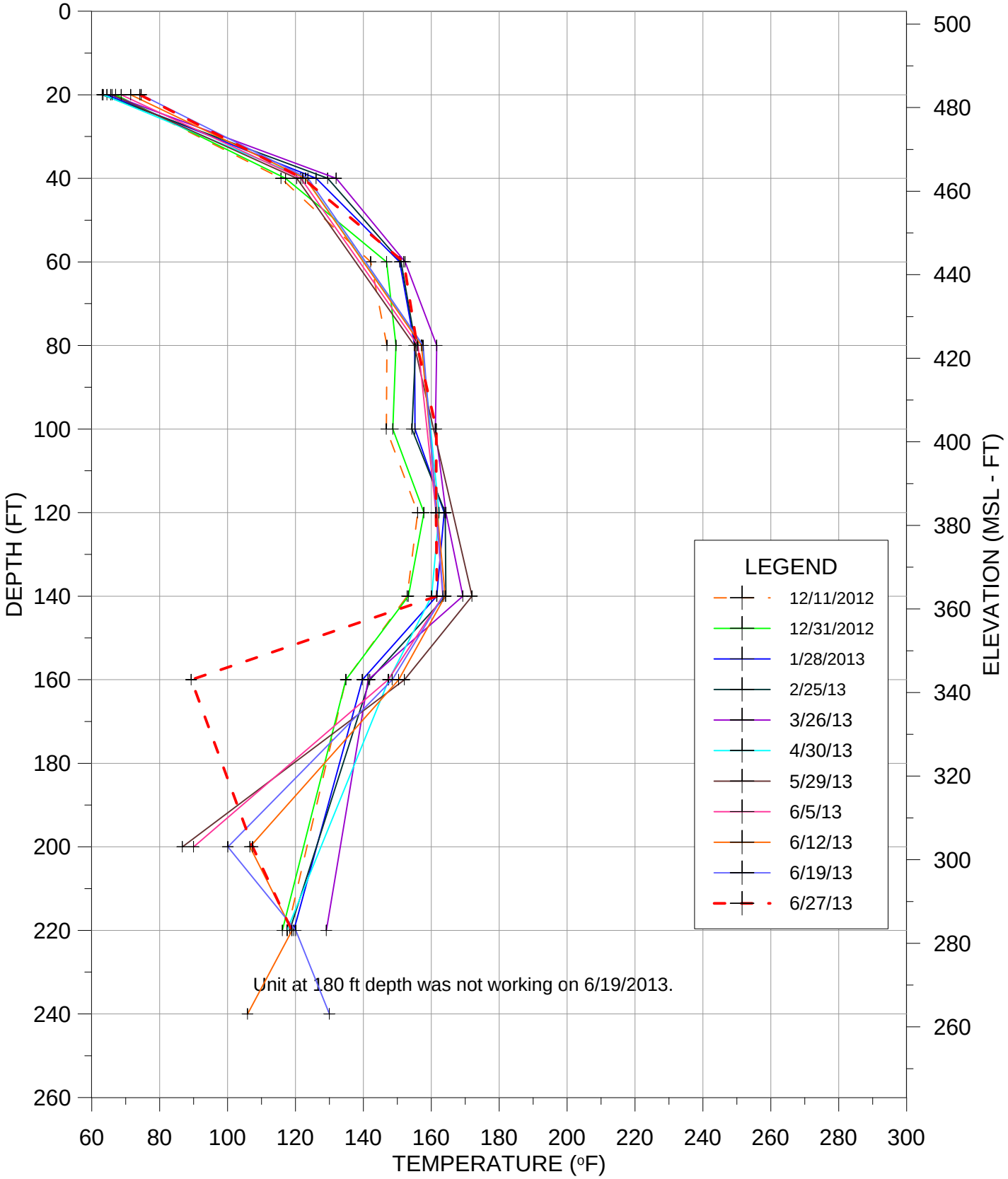
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-4



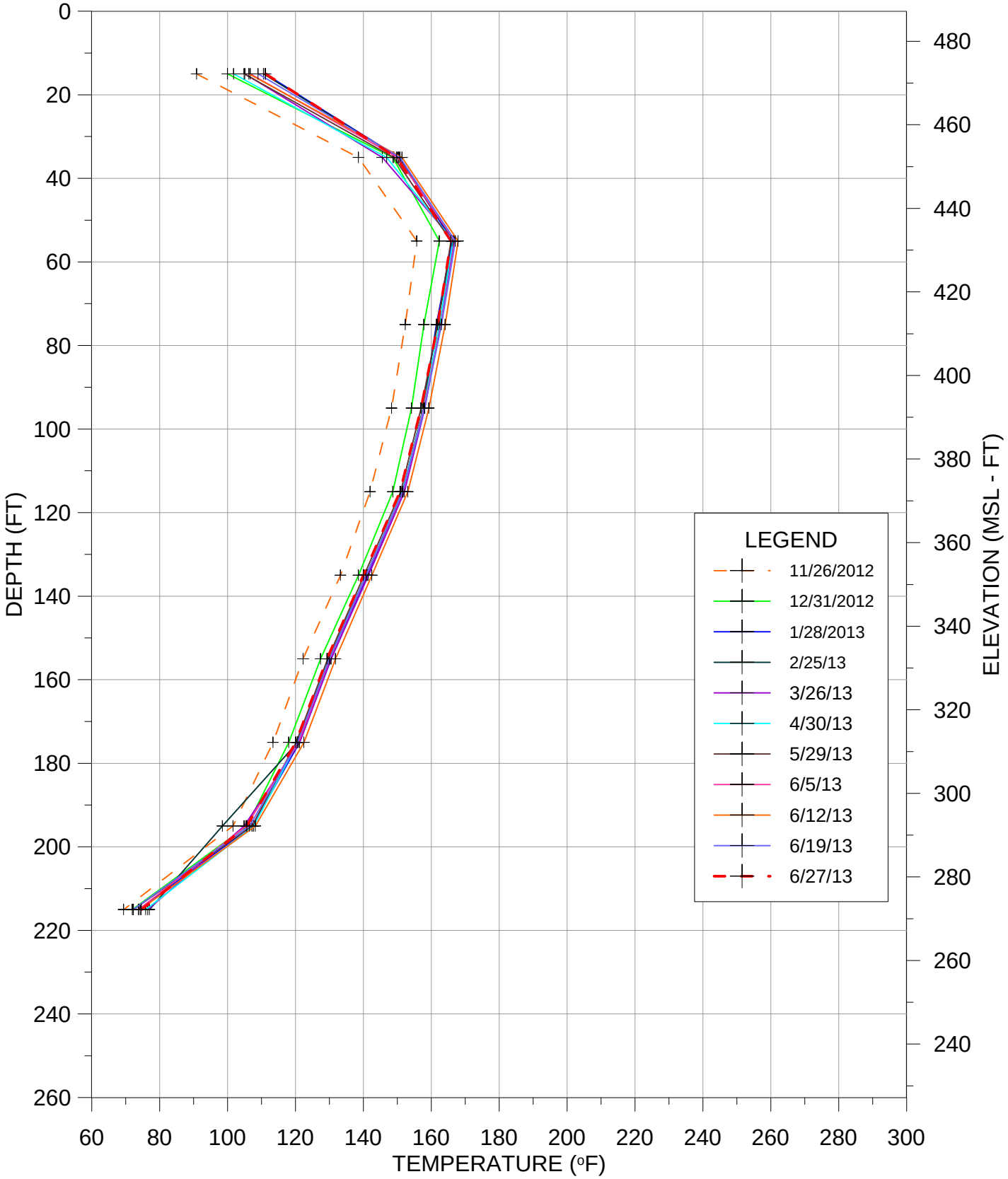
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-5



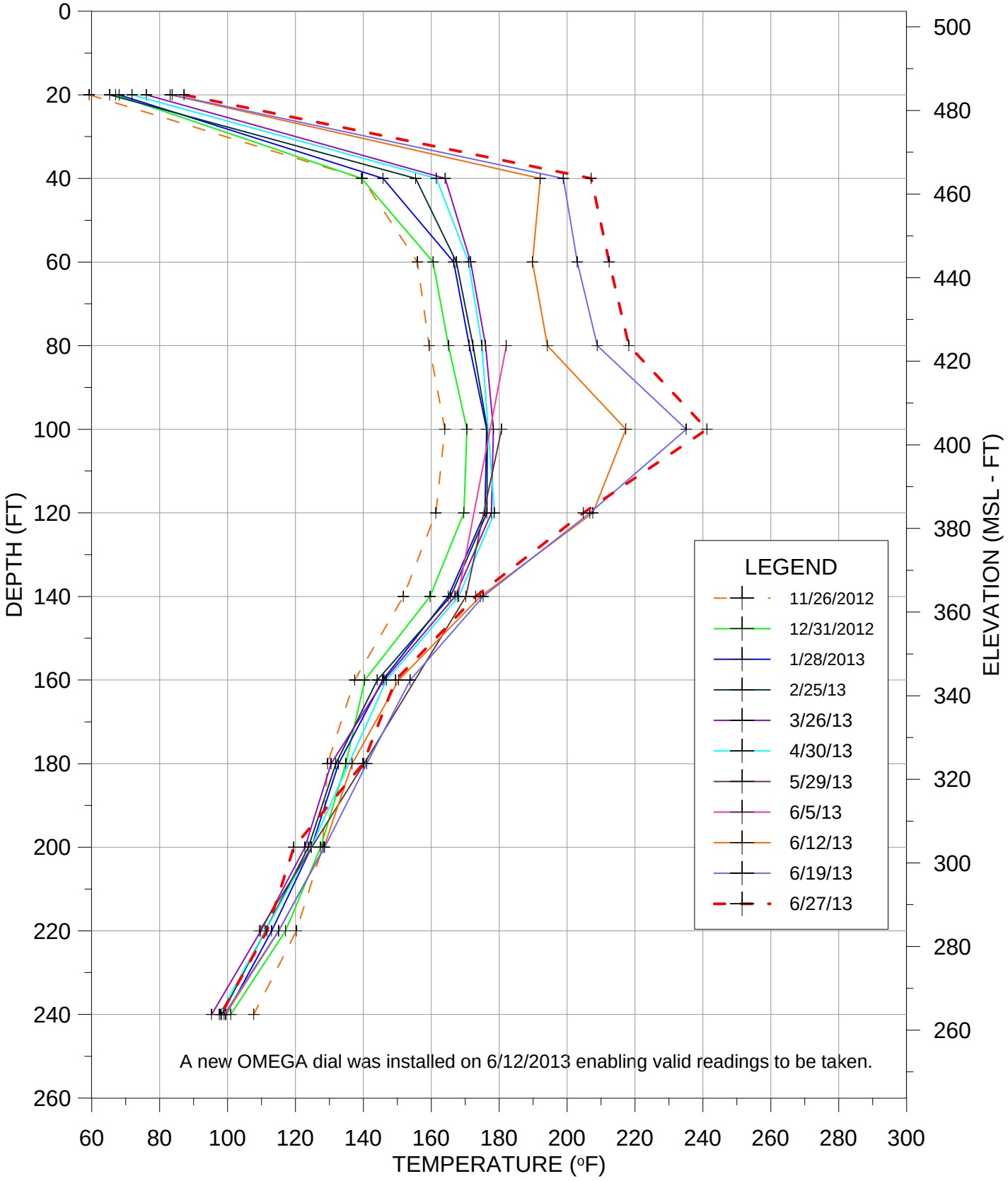
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-6



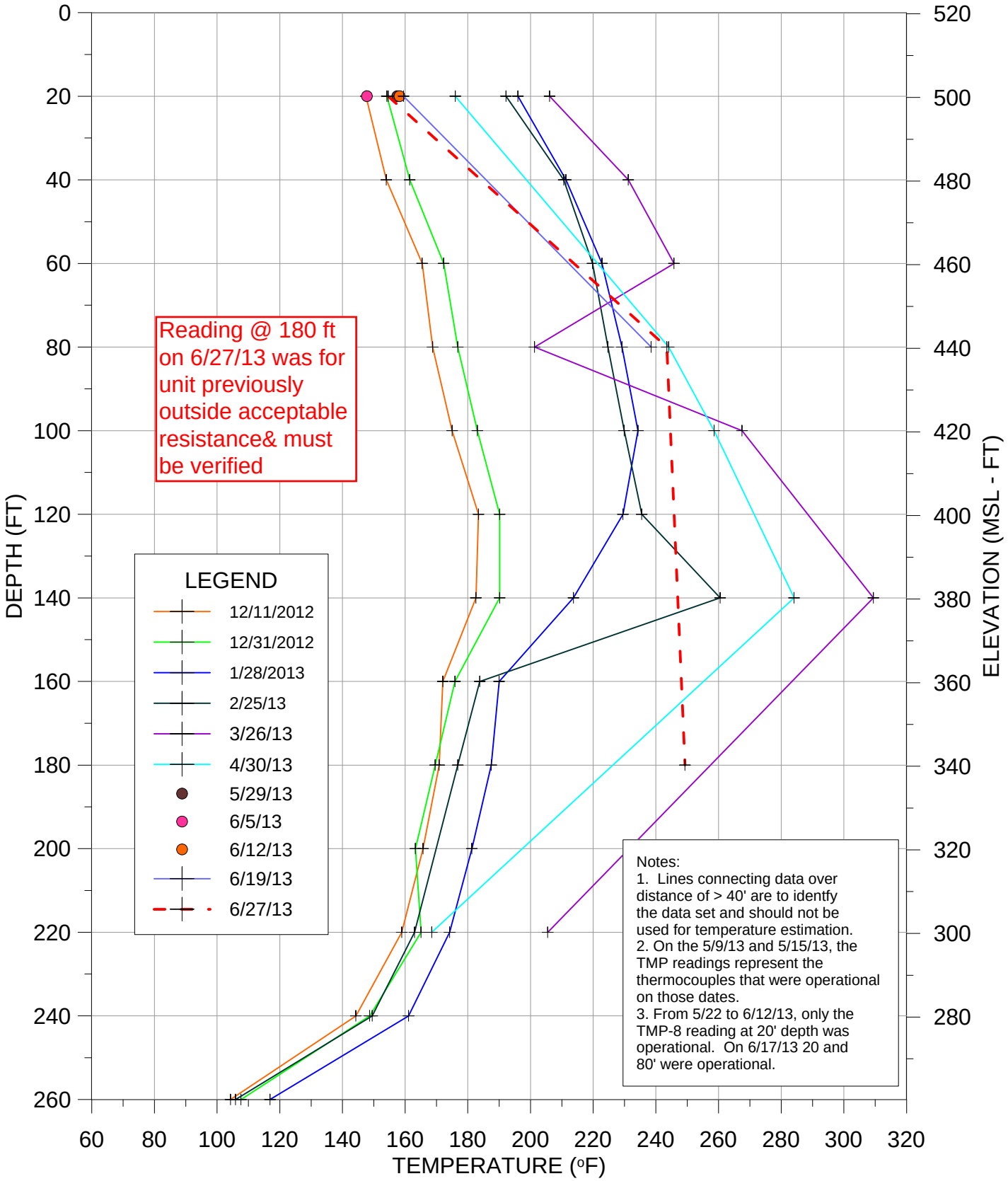
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-7R



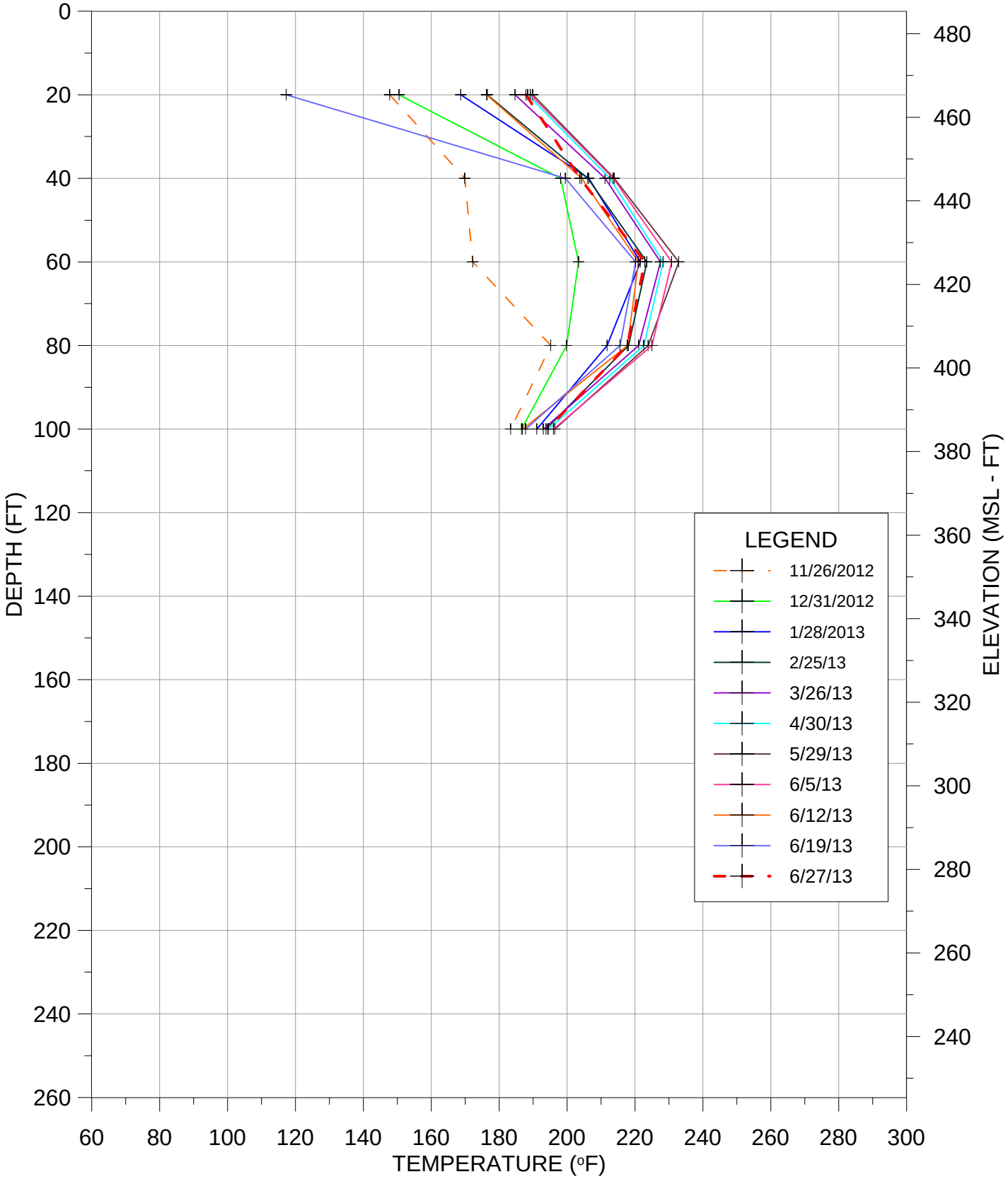
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-8



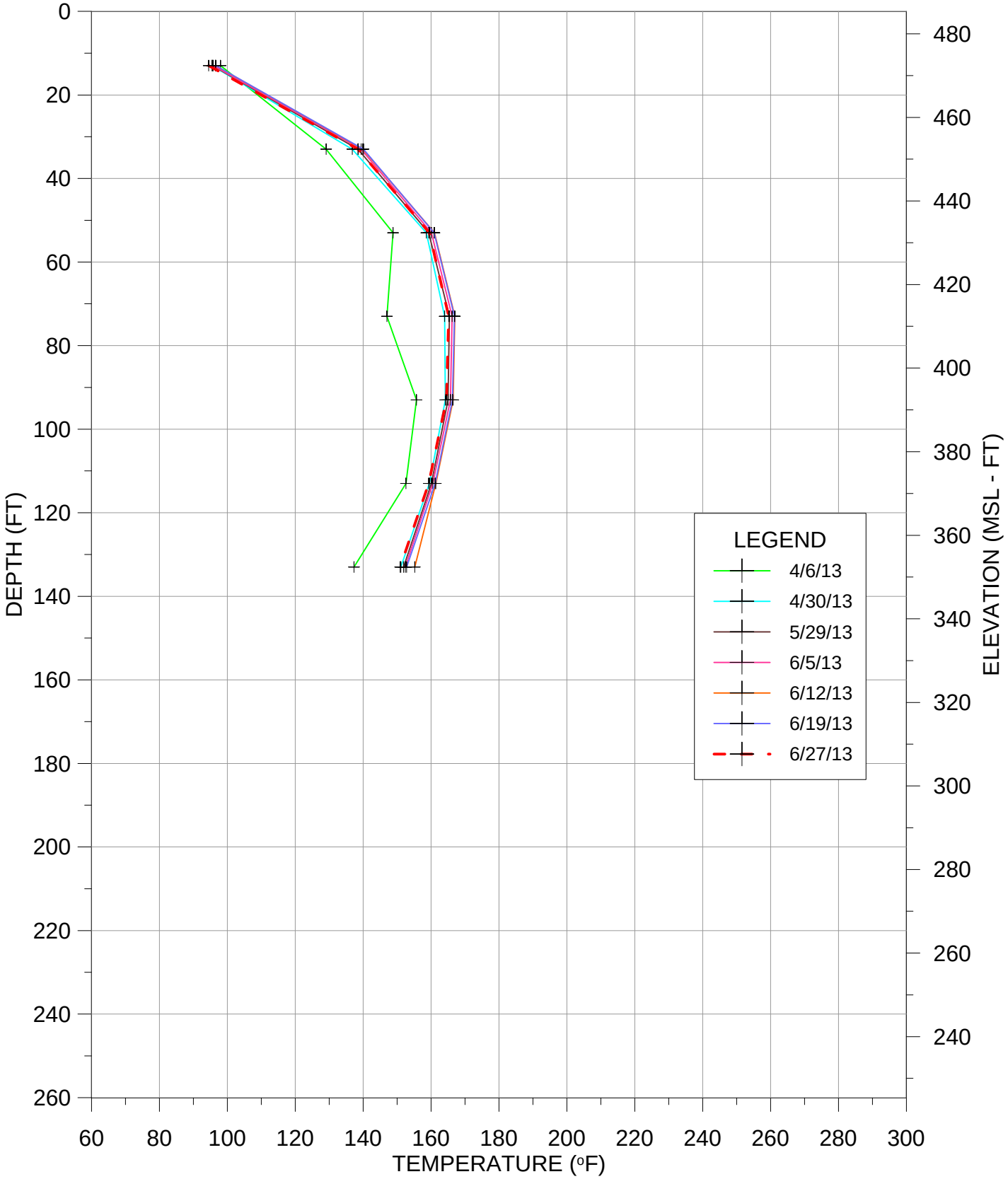
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-9



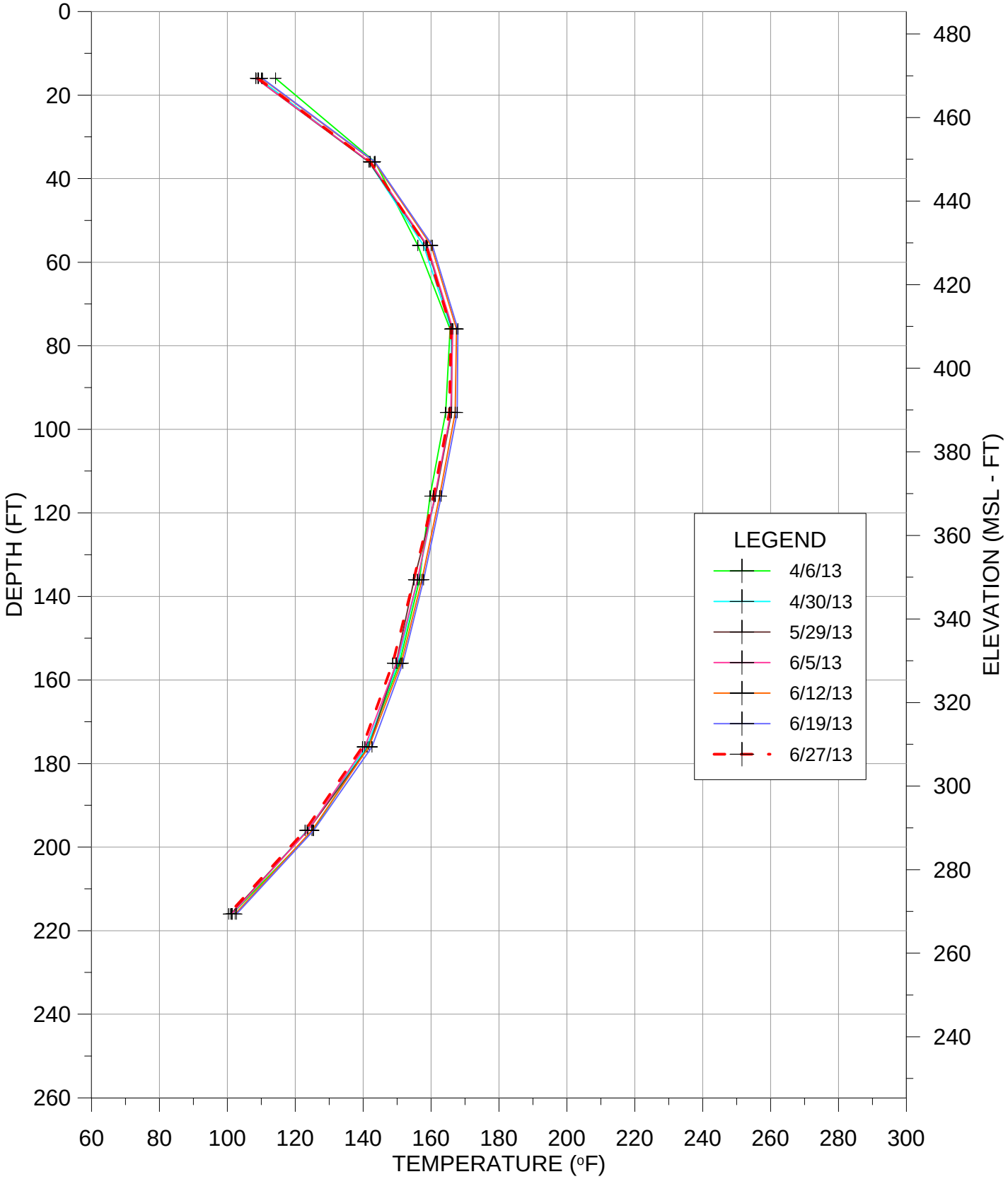
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-10



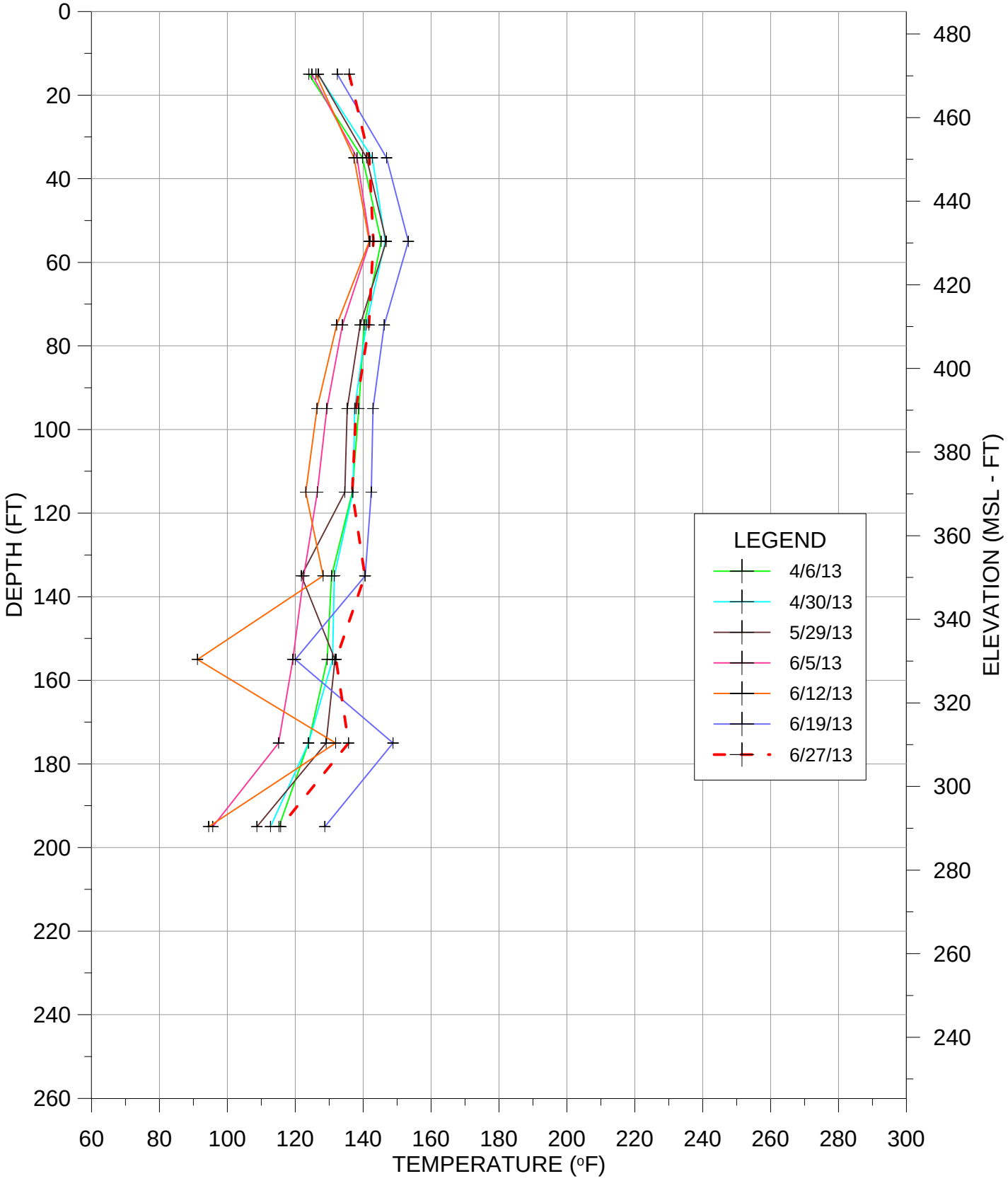
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-11



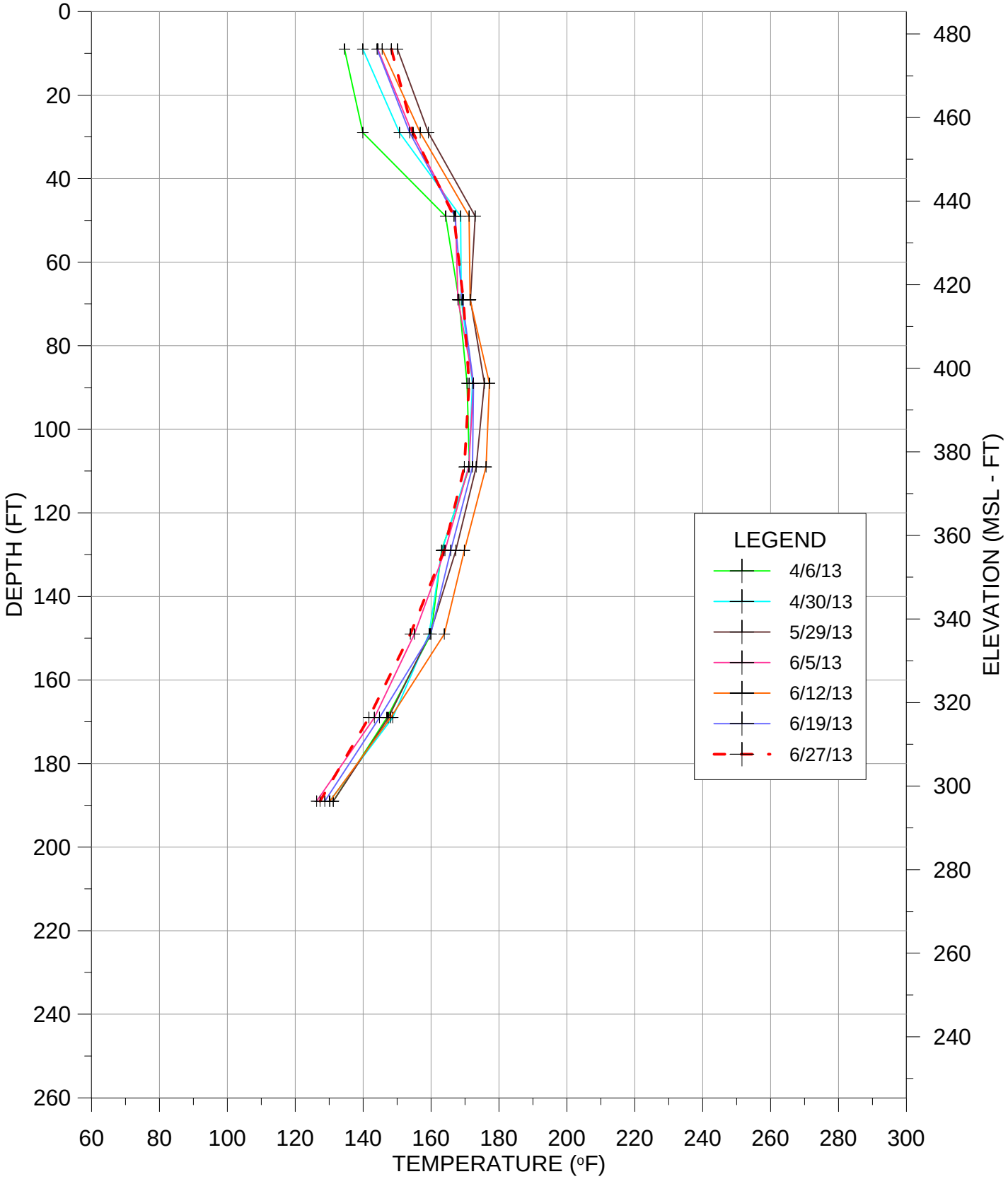
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-12



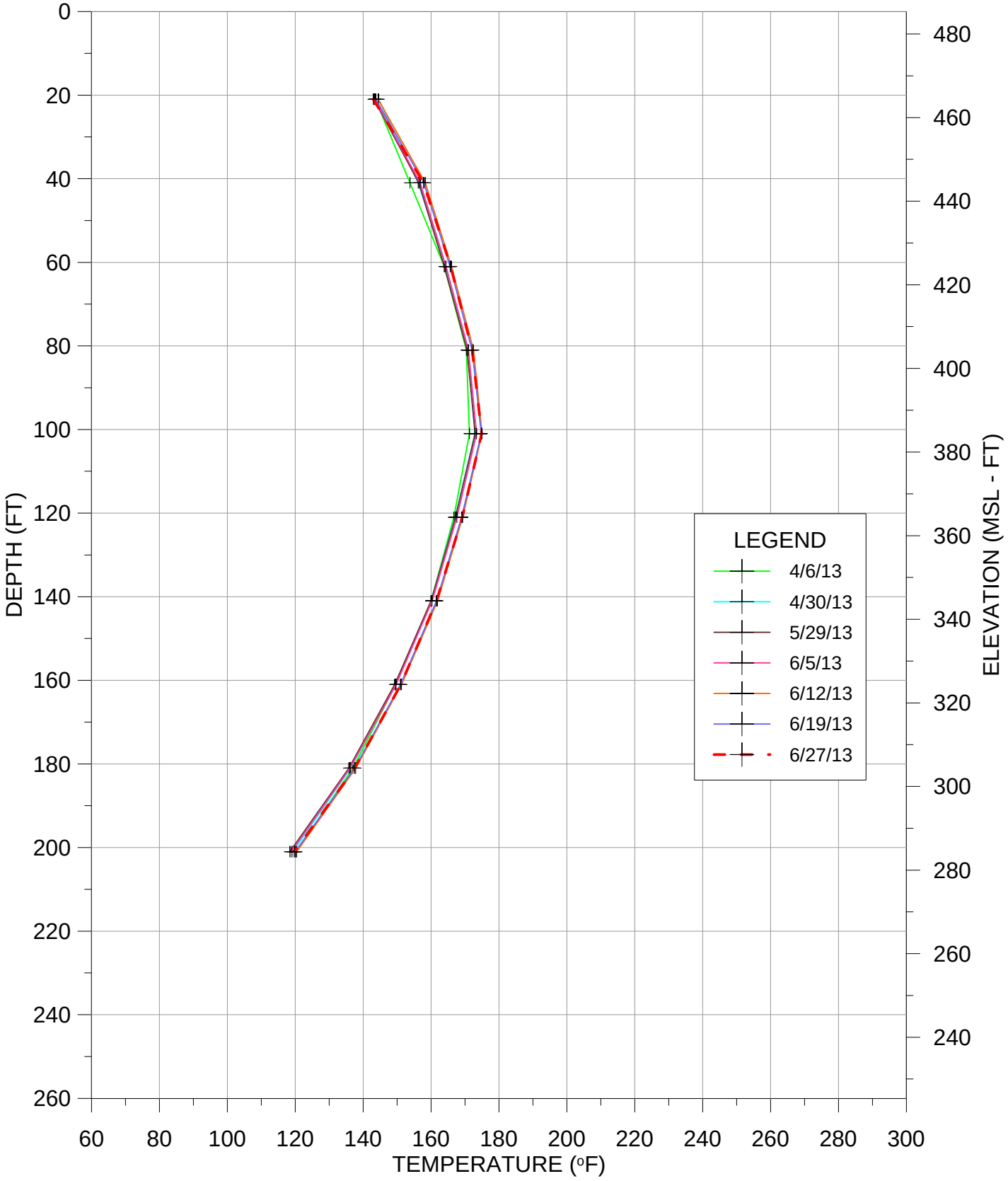
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-13



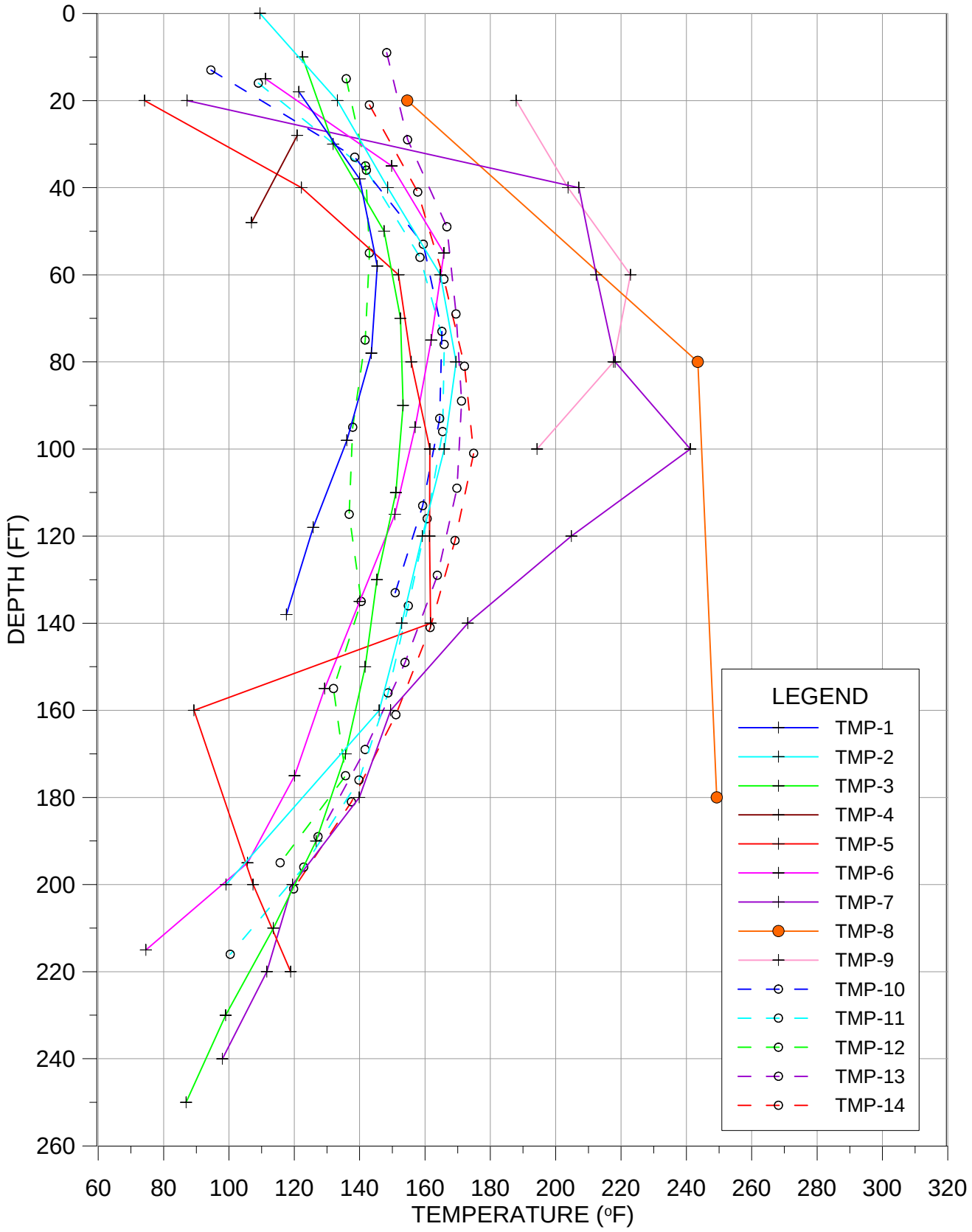
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-14



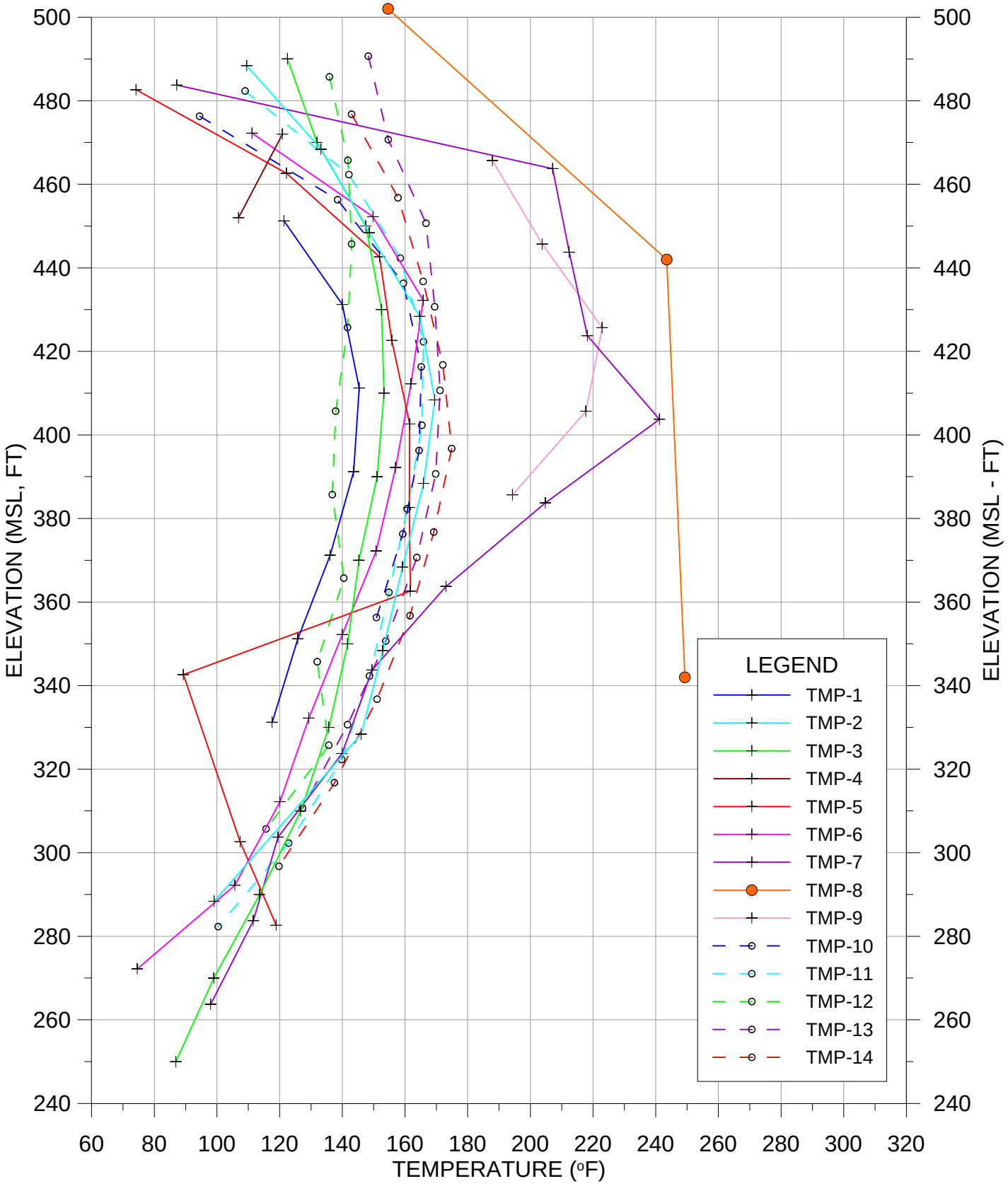
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

6/27/2013 -DEPTH



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

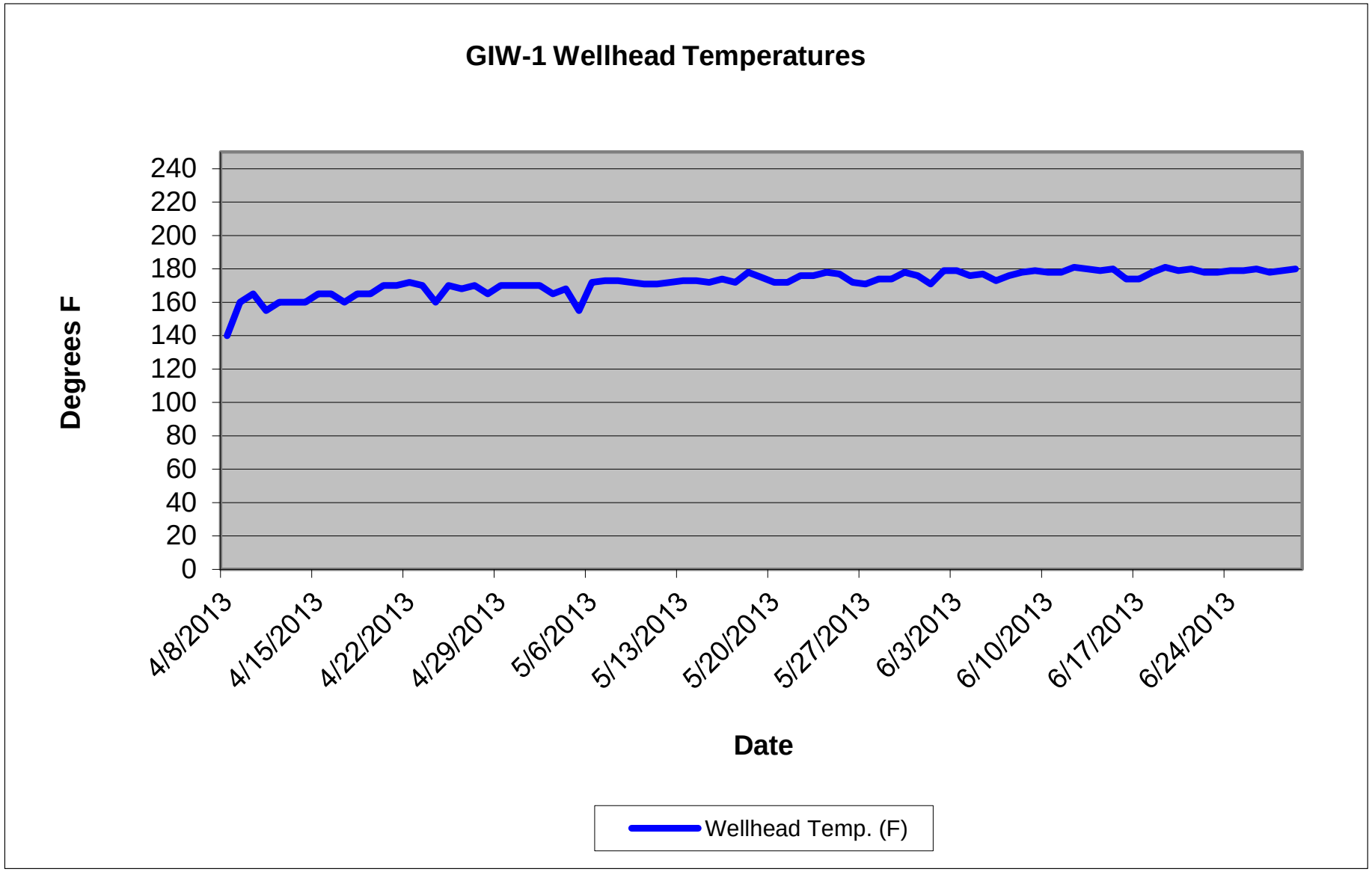
6/27/2013 - ELEVATION



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
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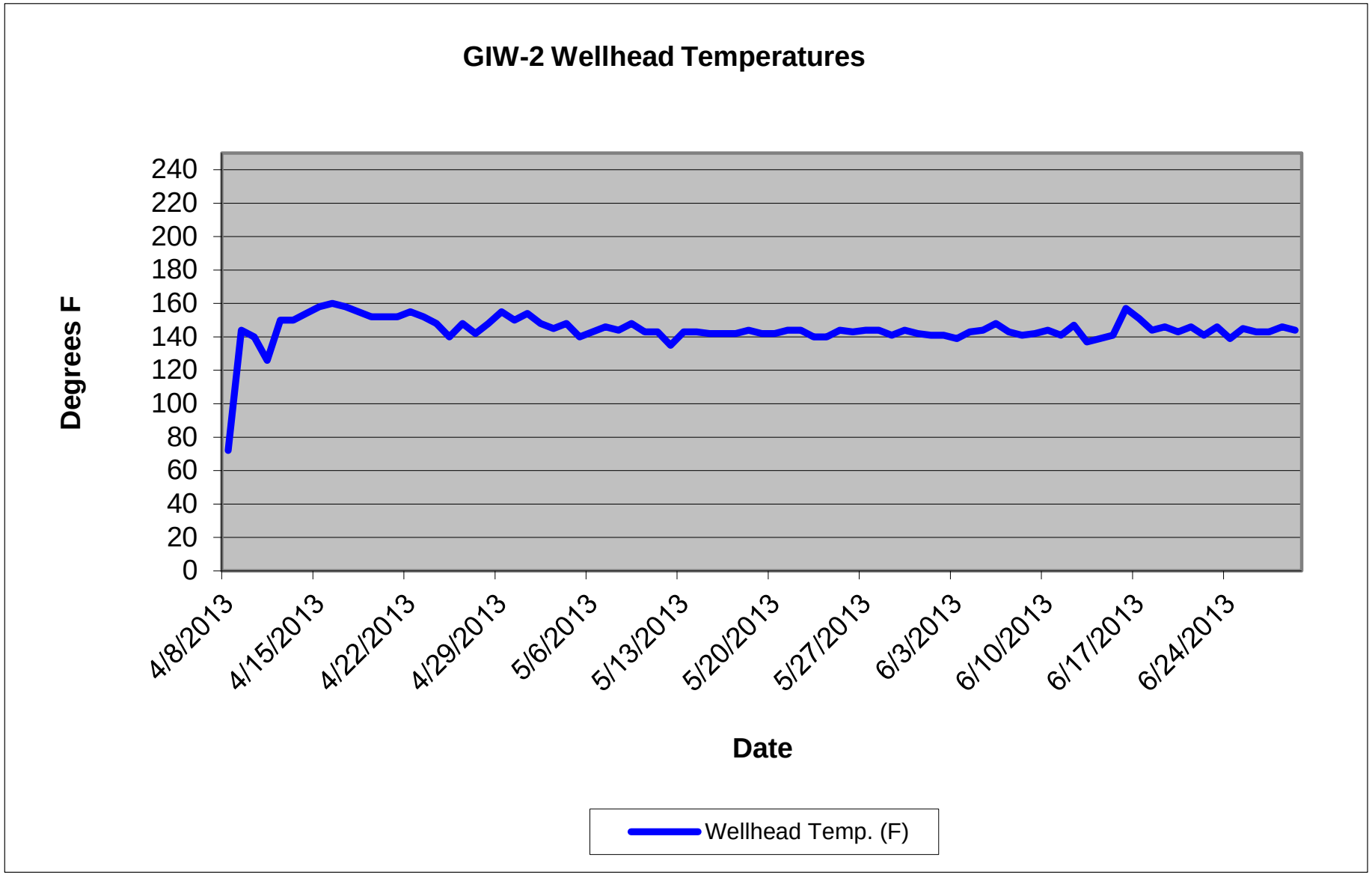
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)


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
5/6/2013
5/13/2013
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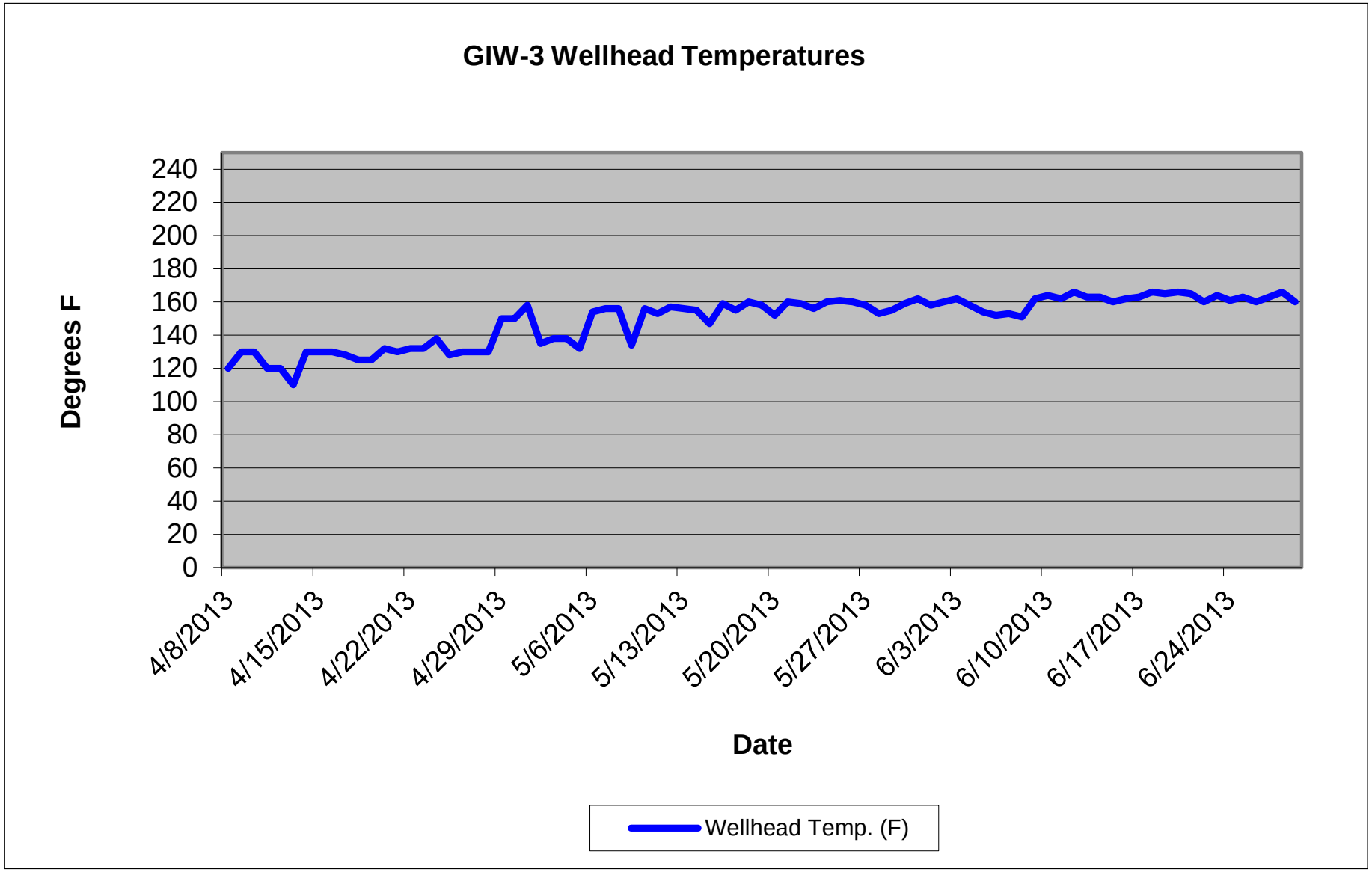
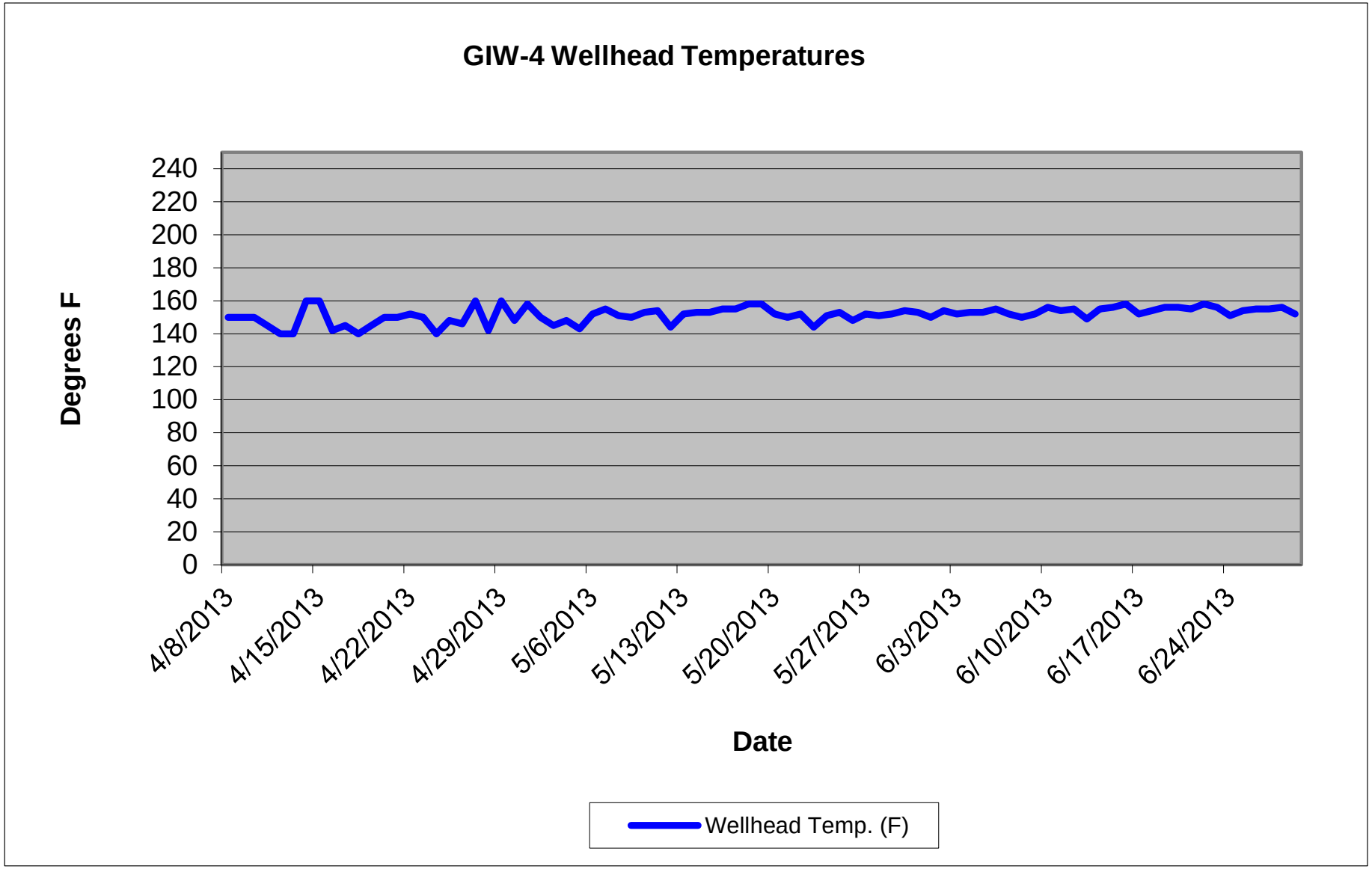
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)


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
6/17/2013
6/24/2013
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
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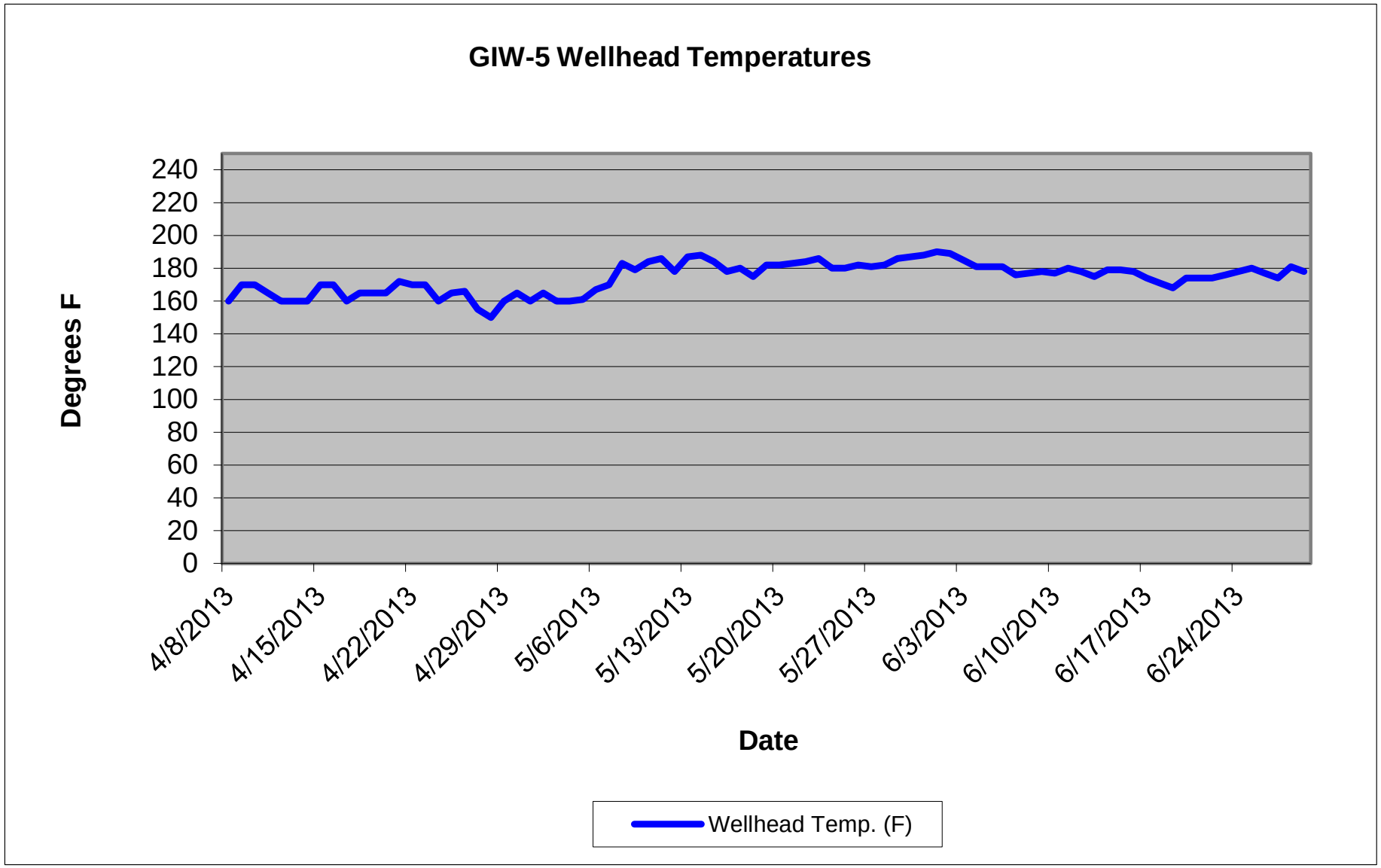
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)


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
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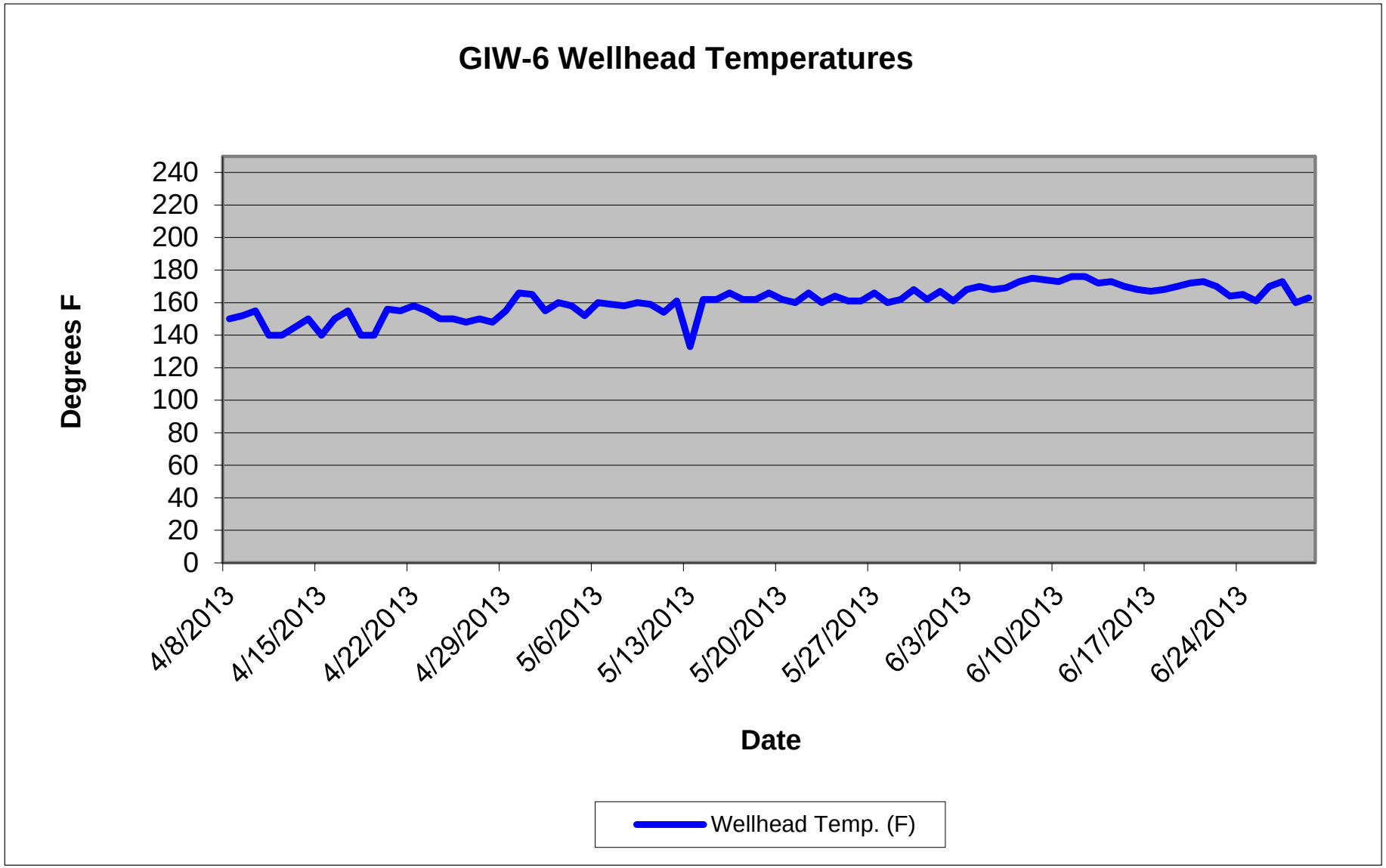
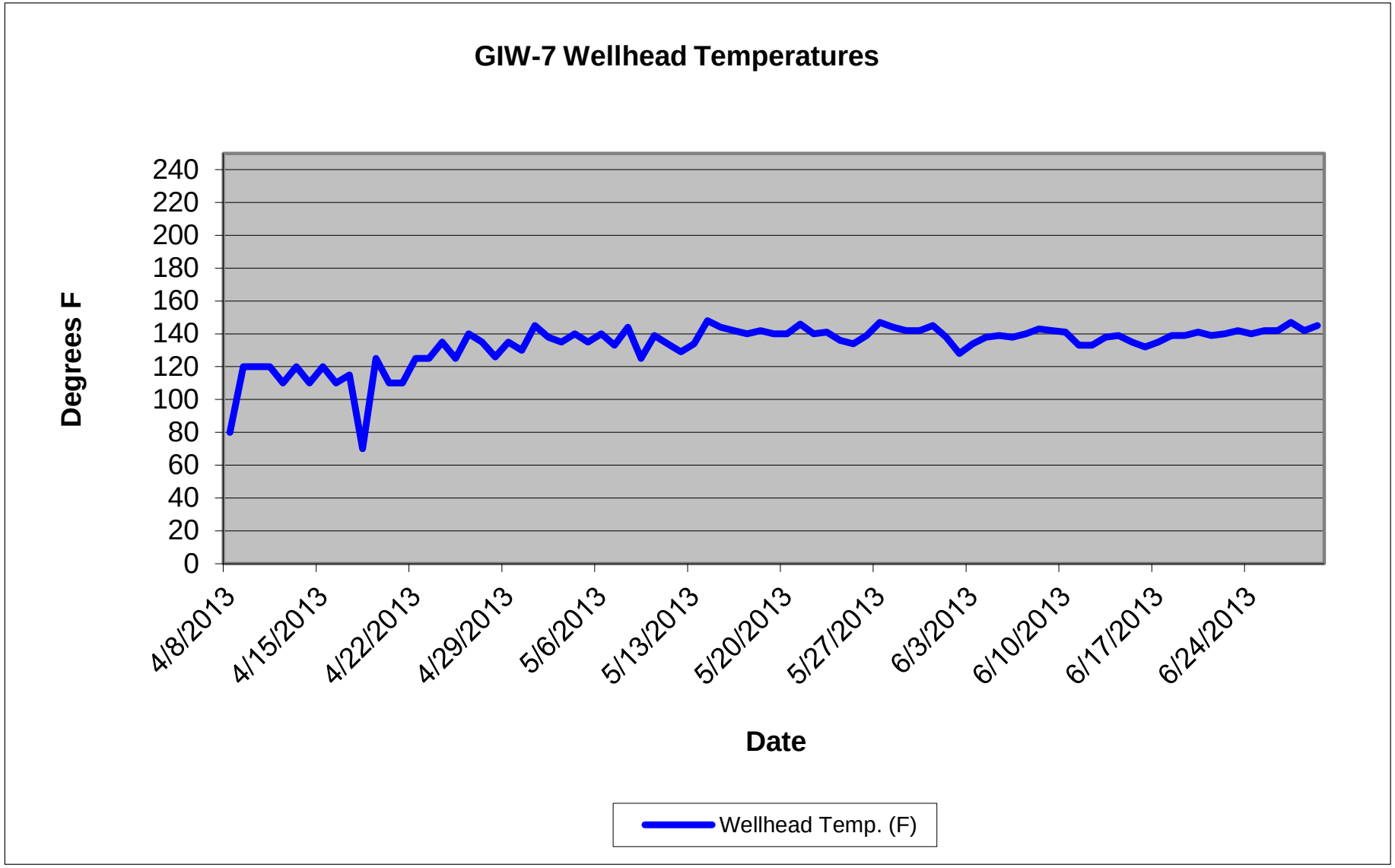
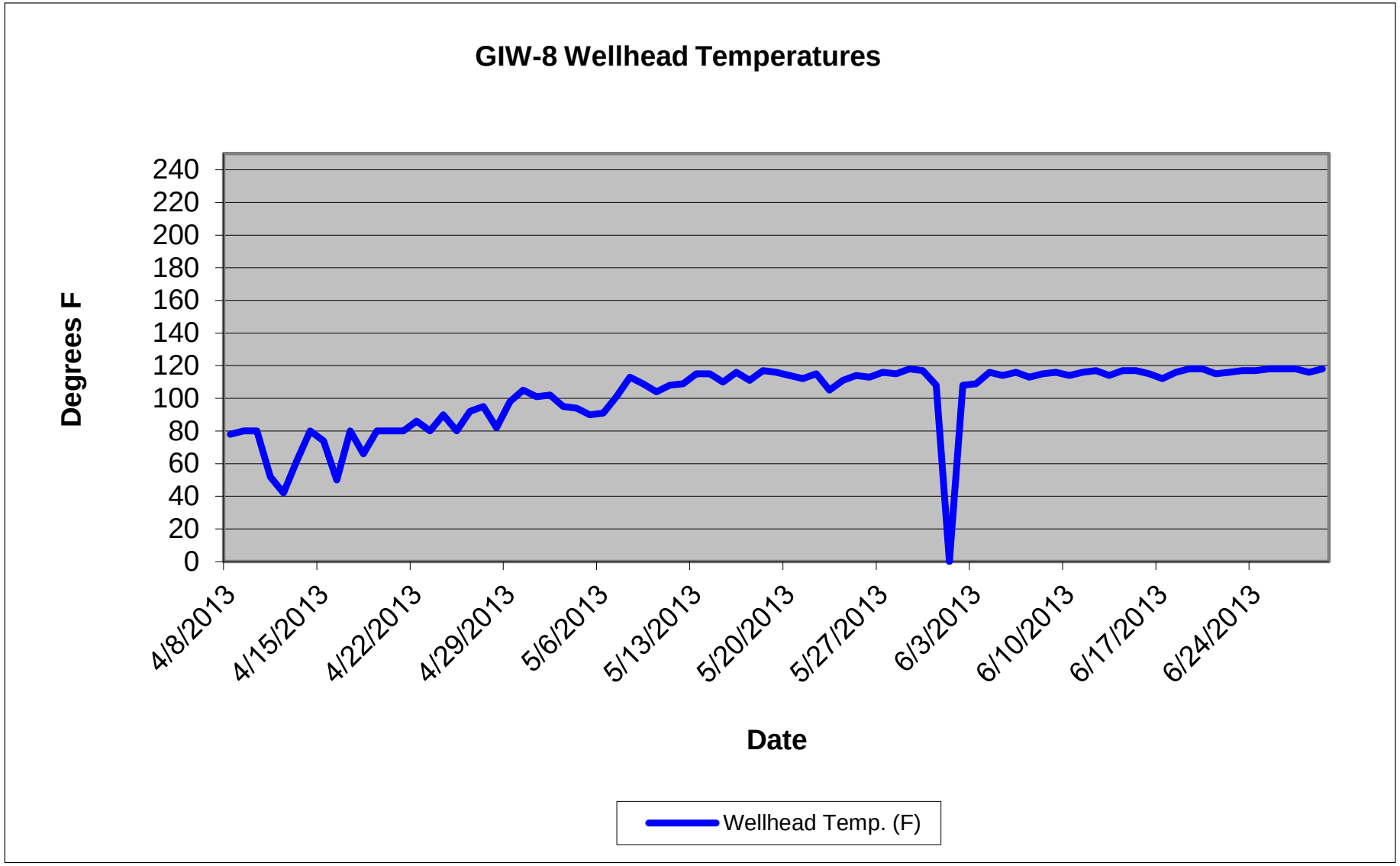
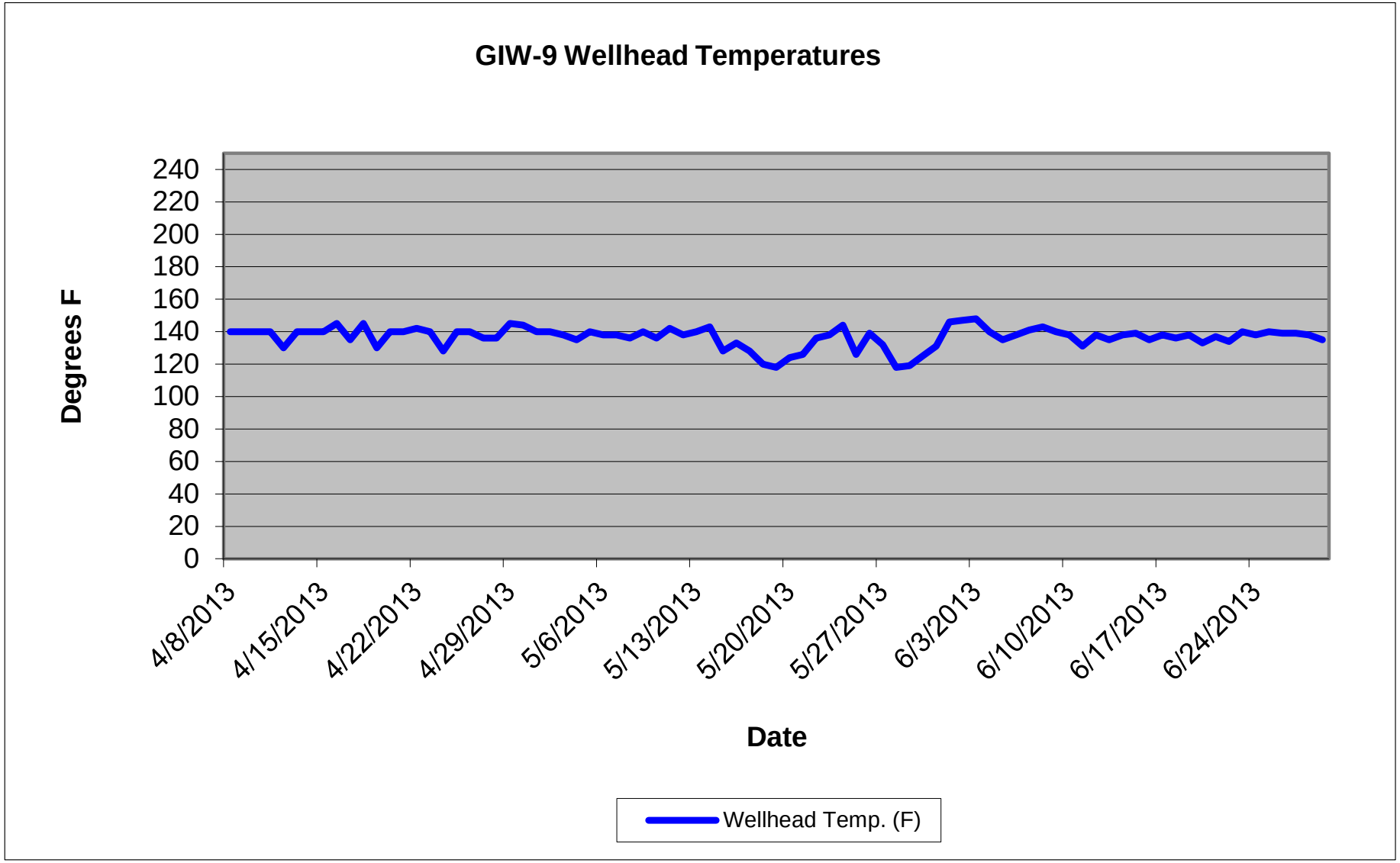
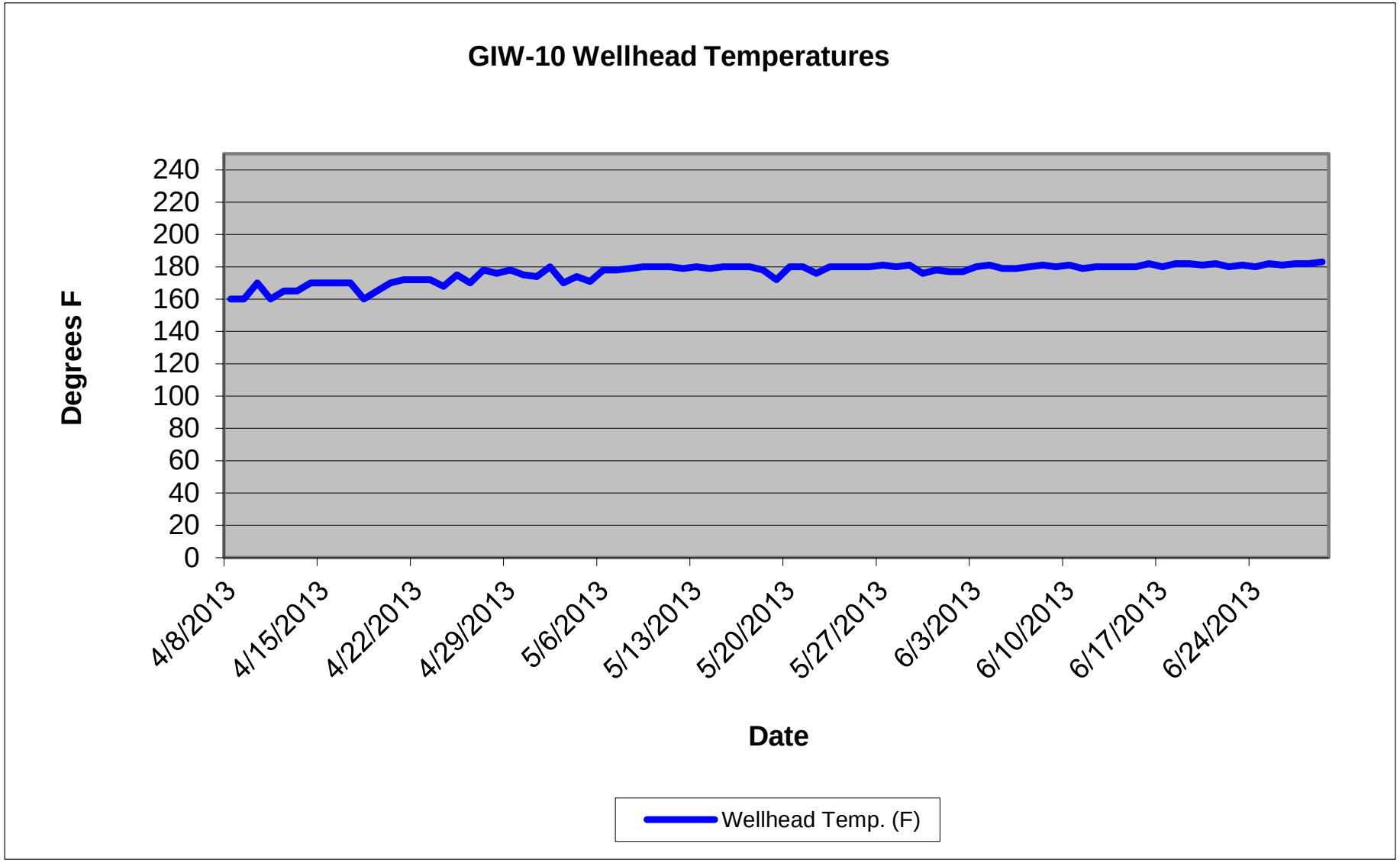
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)

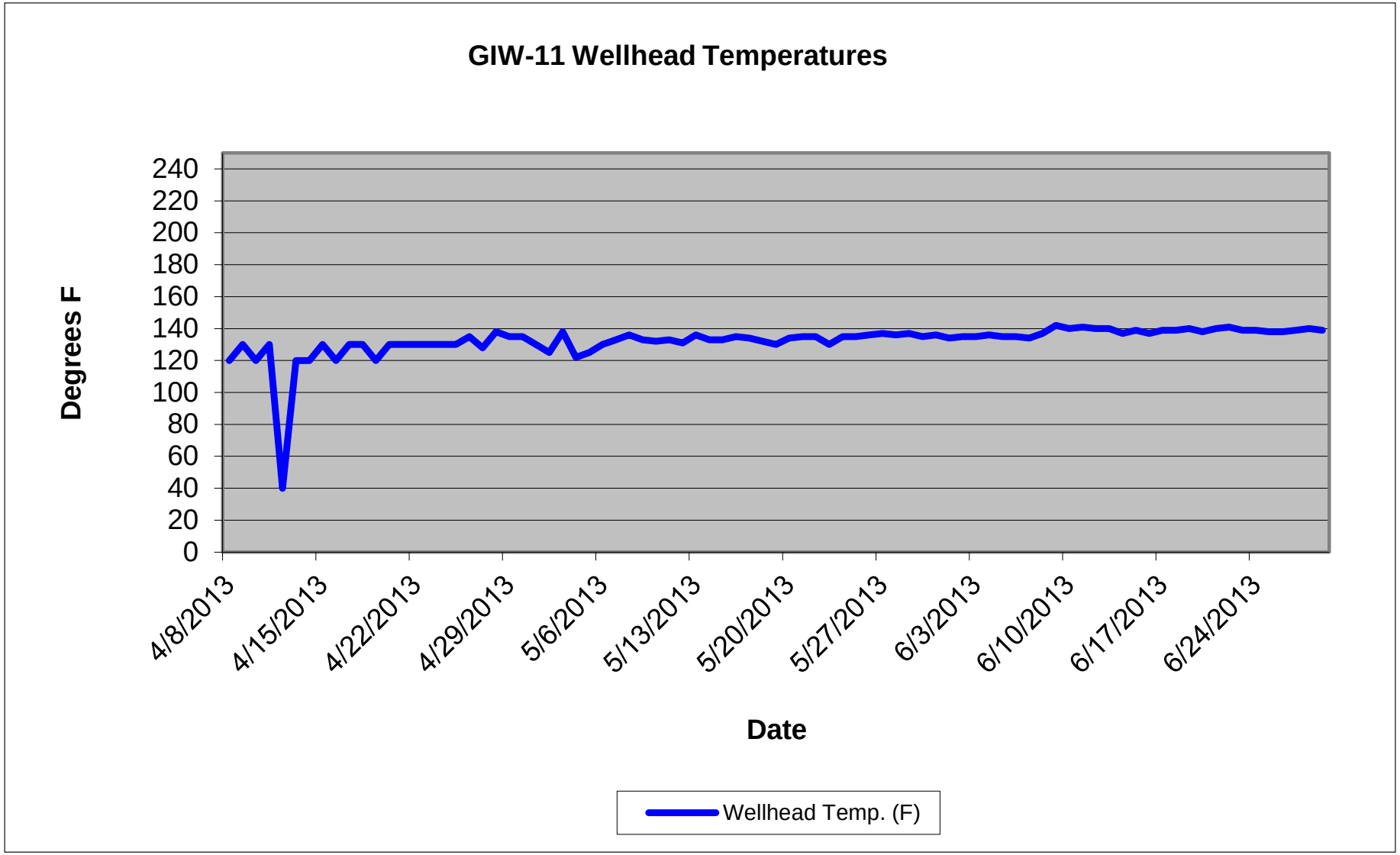

GIW-6 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)

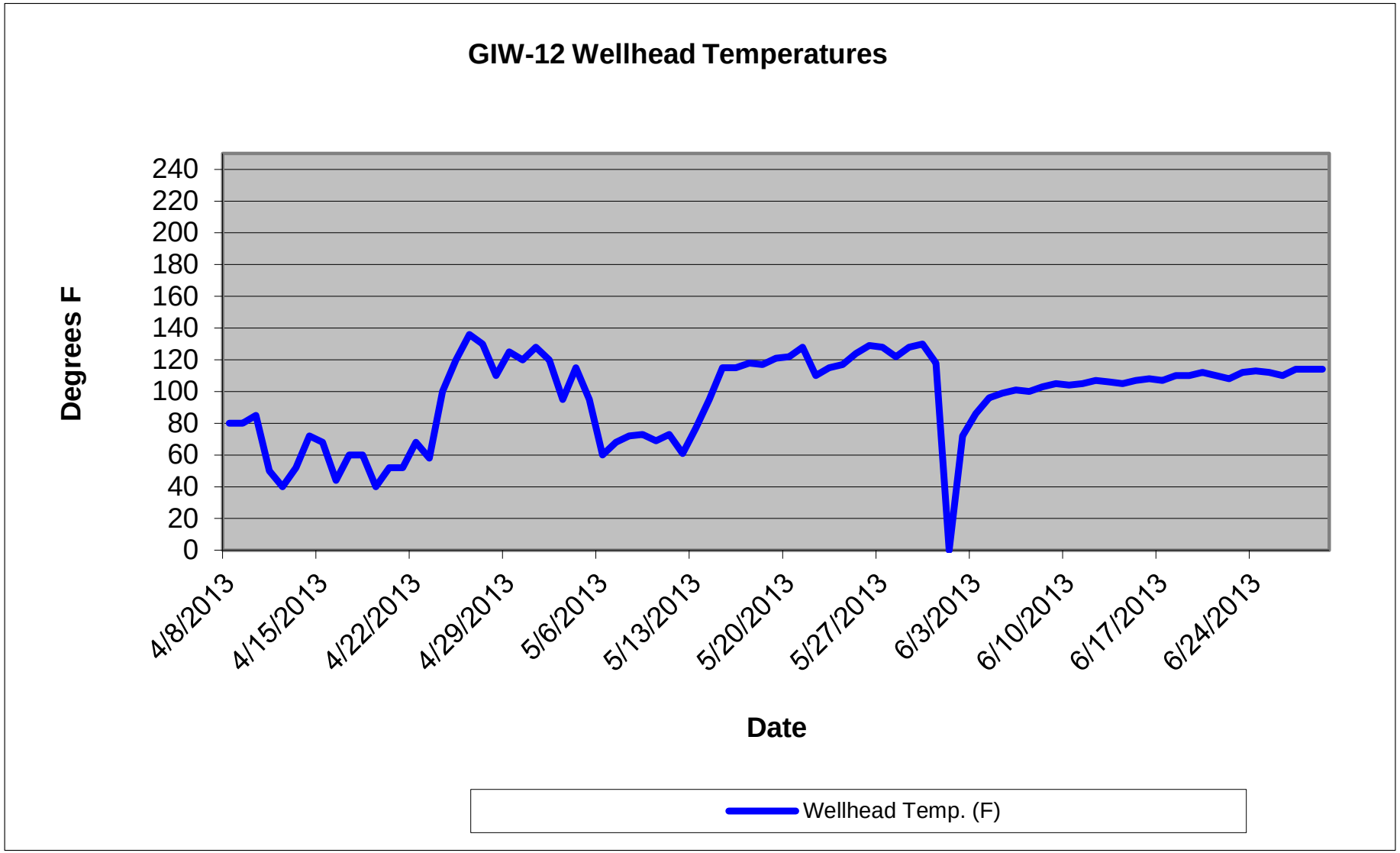

GIW-7 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)

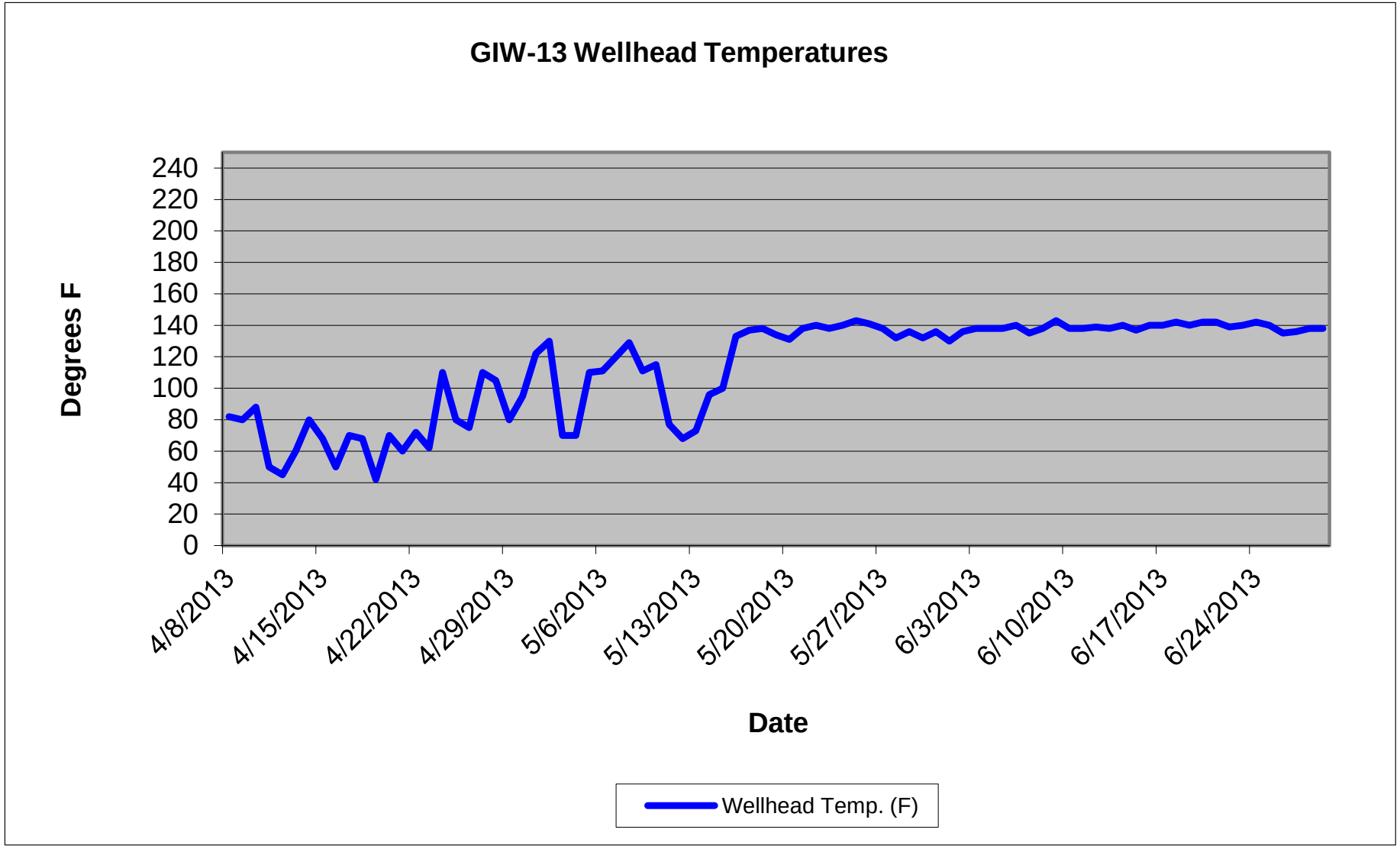

GIW-8 Wellhead Temperatures
Degrees F
240
220
200
180
160
140
120
100
80
60
40
20
0
4/8/2013
4/15/2013
4/22/2013
4/29/2013
5/6/2013
5/13/2013
5/20/2013
5/27/2013
6/3/2013
6/10/2013
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)


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
6/17/2013
6/24/2013
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
6/17/2013
6/24/2013
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
6/17/2013
6/24/2013
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
6/17/2013
6/24/2013
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
6/17/2013
6/24/2013
Date
Wellhead Temp. (F)