

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**

March 4, 2014

Commentary on Data

Attachment A – Leachate Levels in Leachate Collection Sumps

LCS -1,-2,-3D,-5, -6 were operational during the weekly reporting period.

LCS-4B still exhibits excess pressure and liquid ejection, so it has not been fitted with a pump; however, the conditions are resulting in leachate removal from that location. The option of utilizing a progressive-cavity pump at this location is being evaluated.

Temperature Monitoring Probe Analytical Charts

The following TMPs indicated consistent or lower temperature profiles than previous week(s): TMP-1,-2,-3,-4,-6,-7R,-8, -9, -10, -11 -12 and -14.

Irregular resistivity readings, as noted in the graphs, appear to be contributed to the irregular resistivity in the thermocouples. This is prevalent at multiple depths at TMP -5 and -13. Specific notes regarding resistivity is included on the respective TMP chart. The irregular resistivity in TMP -5 and -13 at multiple locations has deemed the data unusable.

Gas Interceptor Wellhead Temperature Graphs

The fluctuation in wellhead gas temperatures can be attributed to variation in available vacuum, gas flow and ambient temperatures at the respective well.

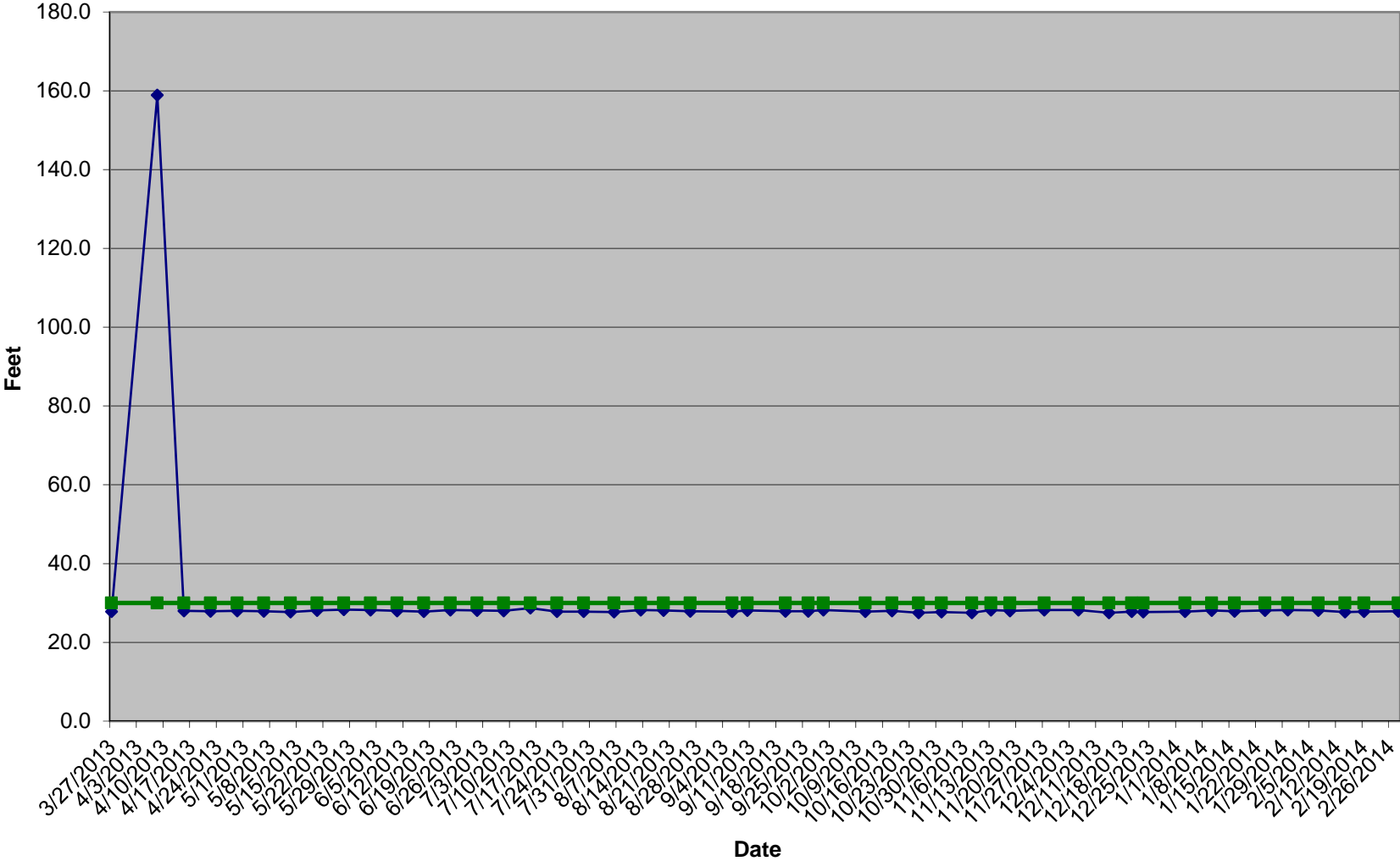
Excluding GIW -12 all wellhead temperatures remained relatively consistent or lower with regards to gas wellhead temperature. GIW-12 showed a slight increase in wellhead temperature relative to recent measurements.

The water circulation cooling loop is currently installed in GIW-4. The cooling loop has been operating intermittently over the last two weeks when higher ambient temperatures were realized.

ATTACHMENT A

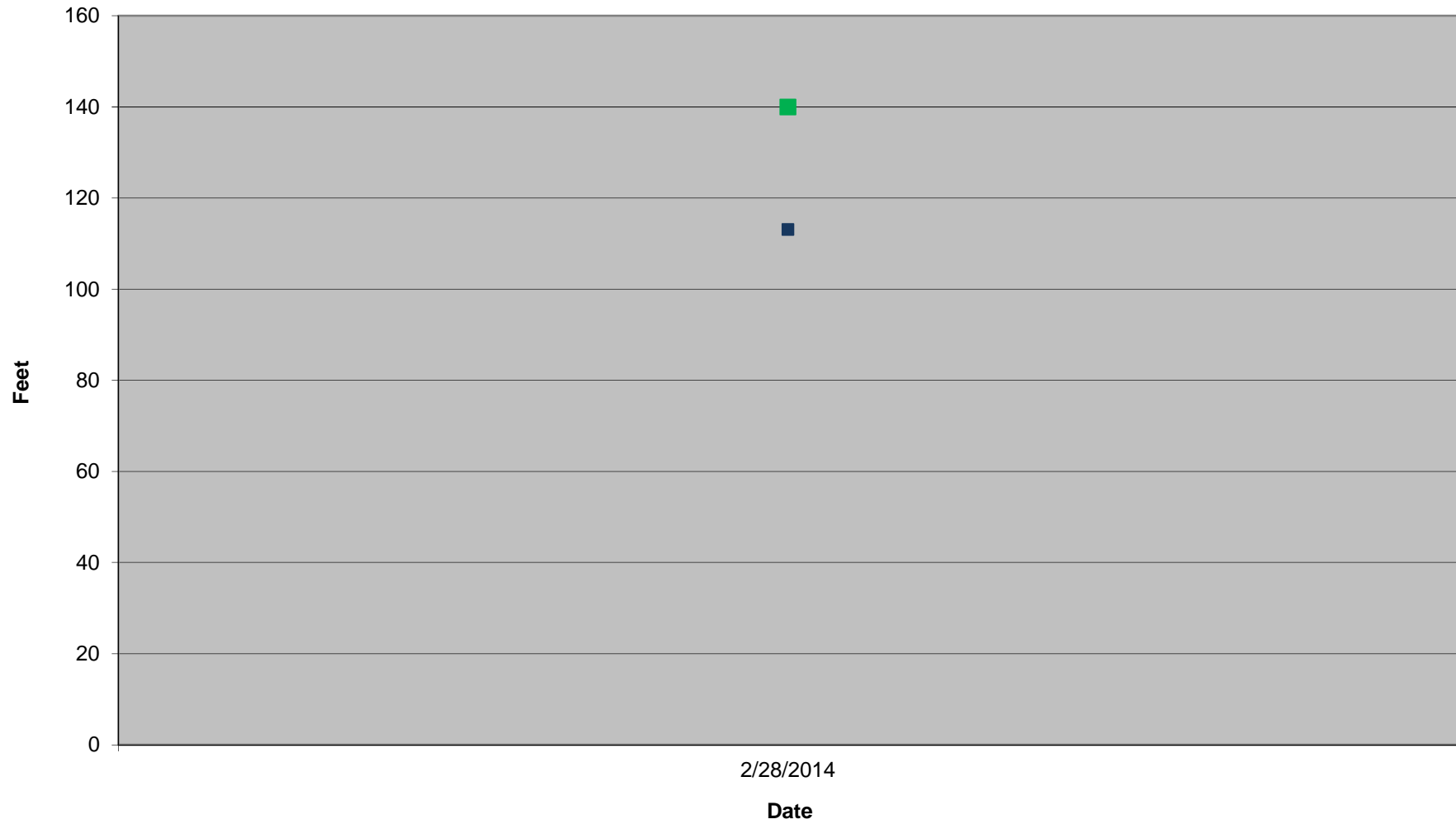
LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS

LCS-2D Liquid Level Above Quarry Floor



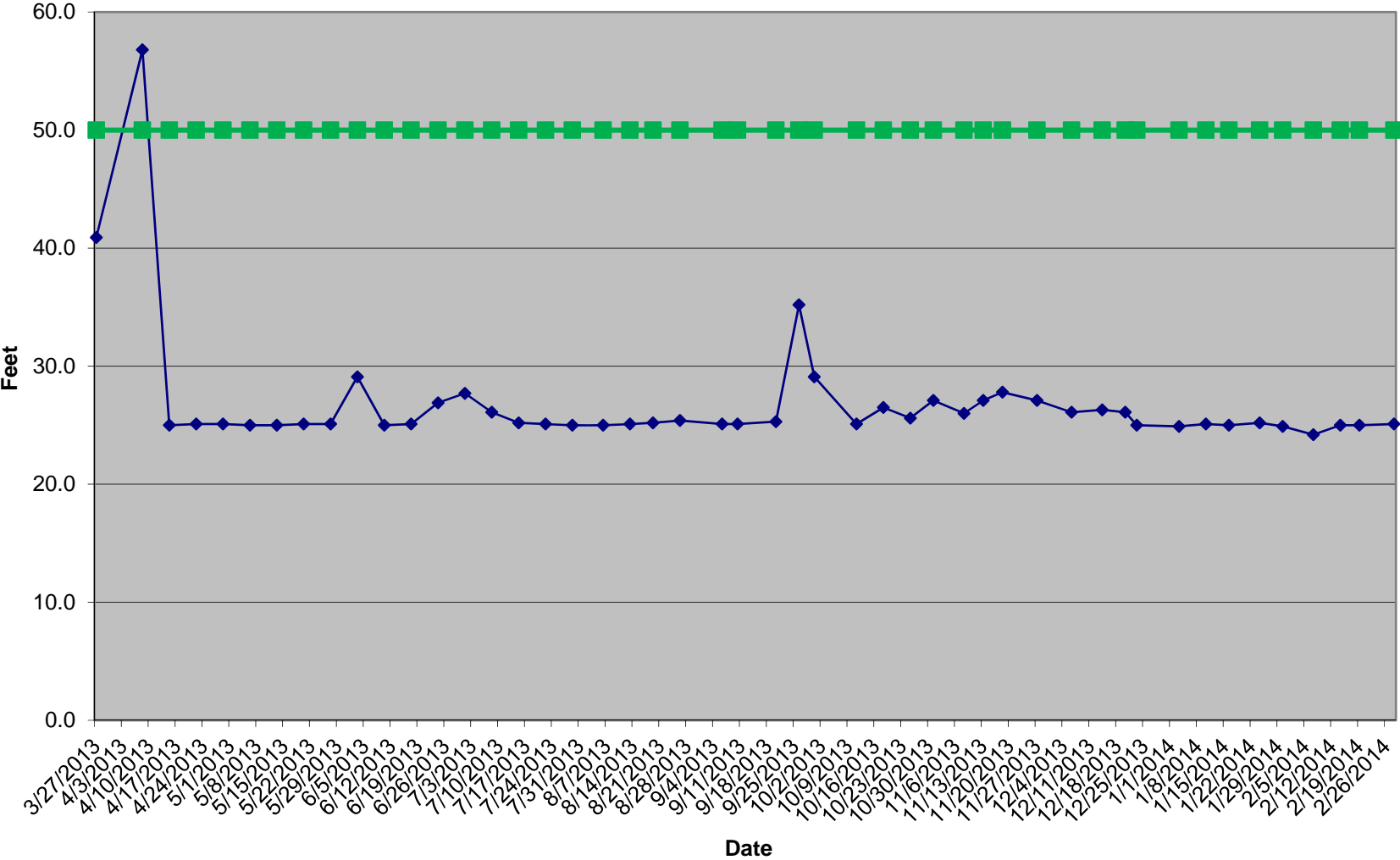
—●— Height of Liquid (Ft.) —■— Compliance Level (Ft. Above Quarry Floor)

LCS-3D Liquid Level



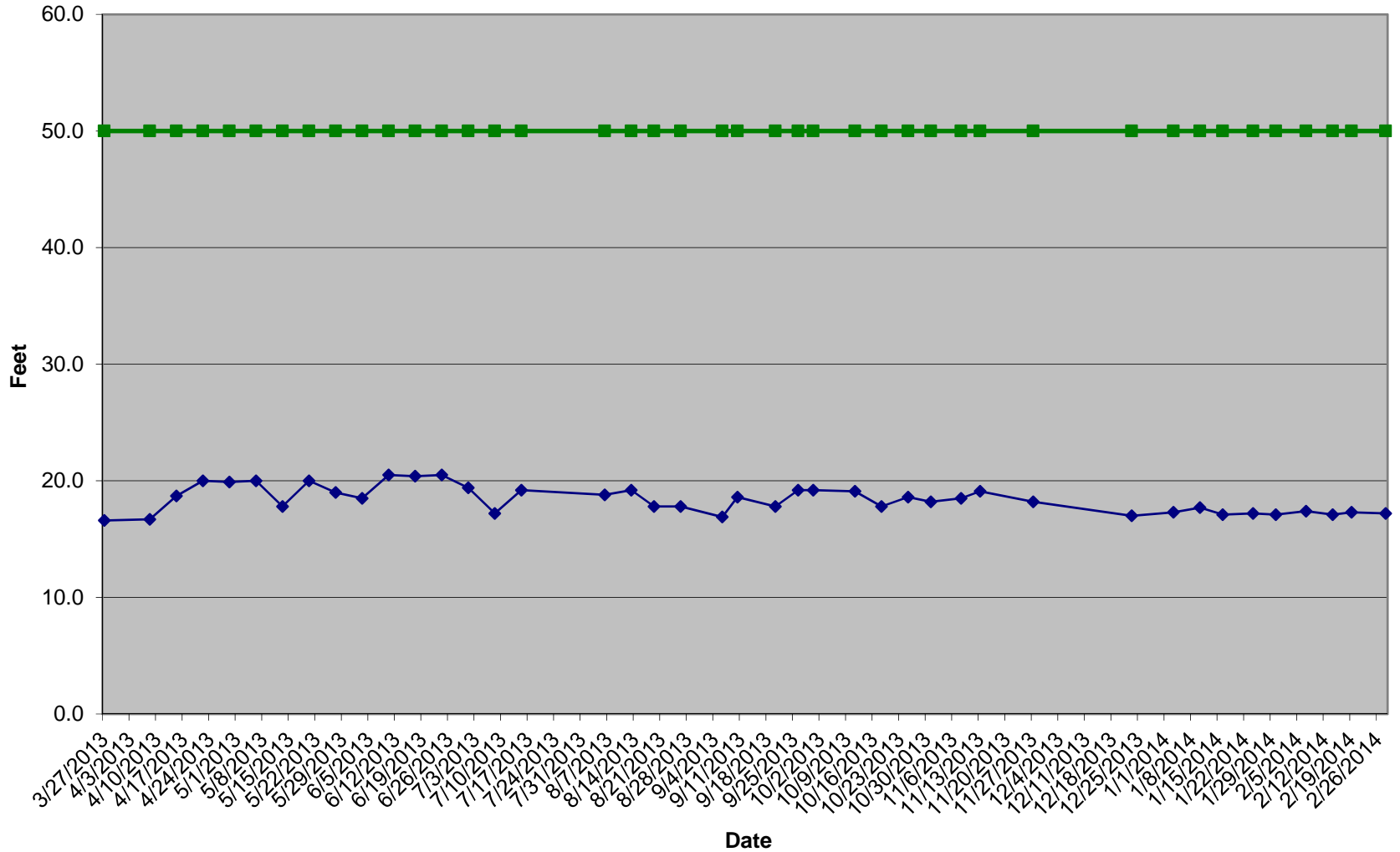
Measured Liquid Level in Well (Ft.) Well Total Depth from Top of Casing (Ft.)

LCS-5A Liquid Level Above Quarry Floor



—◆— Height of Liquid (Ft.) - - - ■ - - - Compliance Level (Ft. Above Quarry Floor)

LCS-6B Liquid Level Above Quarry Floor

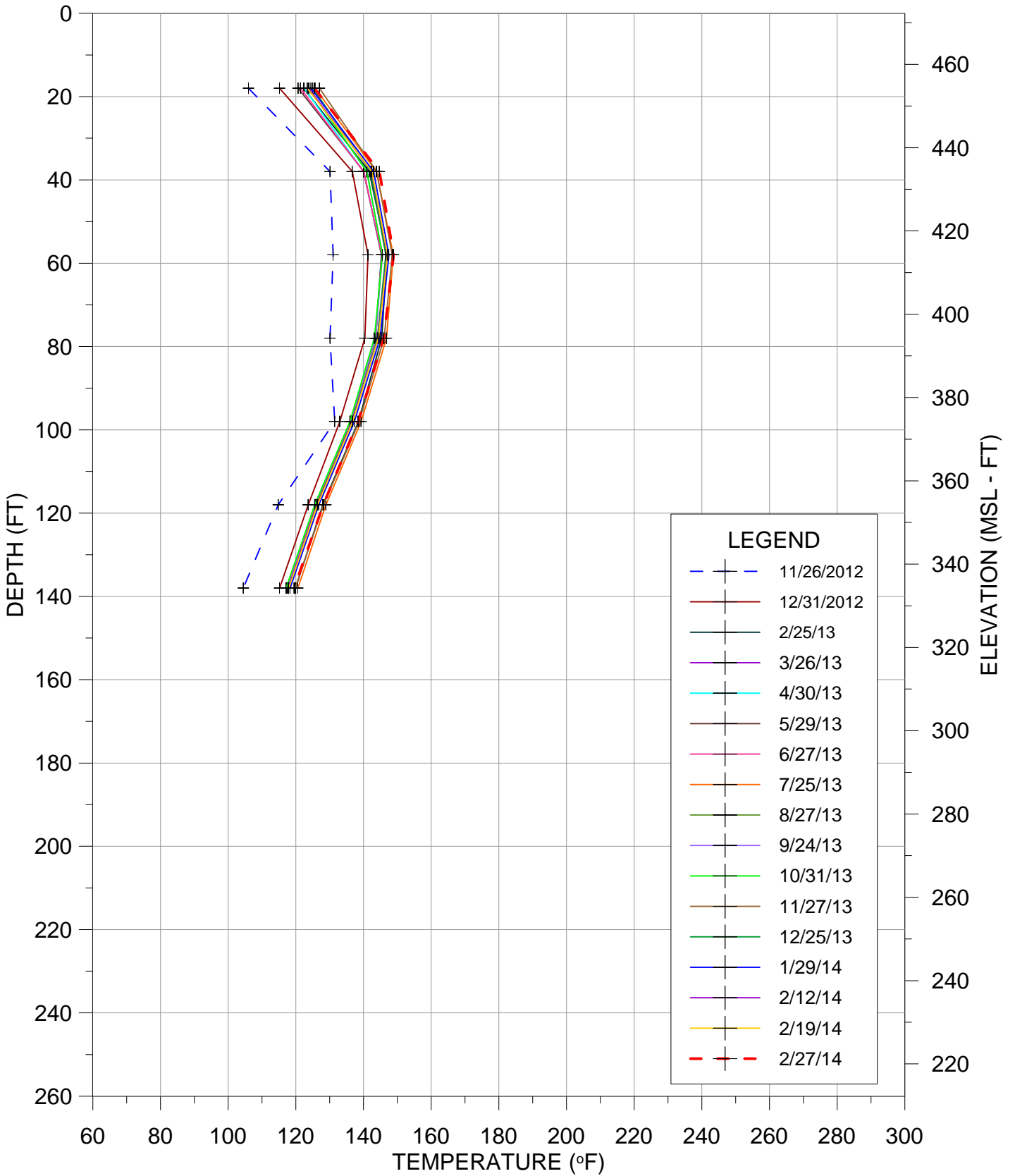


—◆— Height of Liquid (Ft.) —■— Compliance Level (Ft. Above Quarry Floor)

ATTACHMENT B

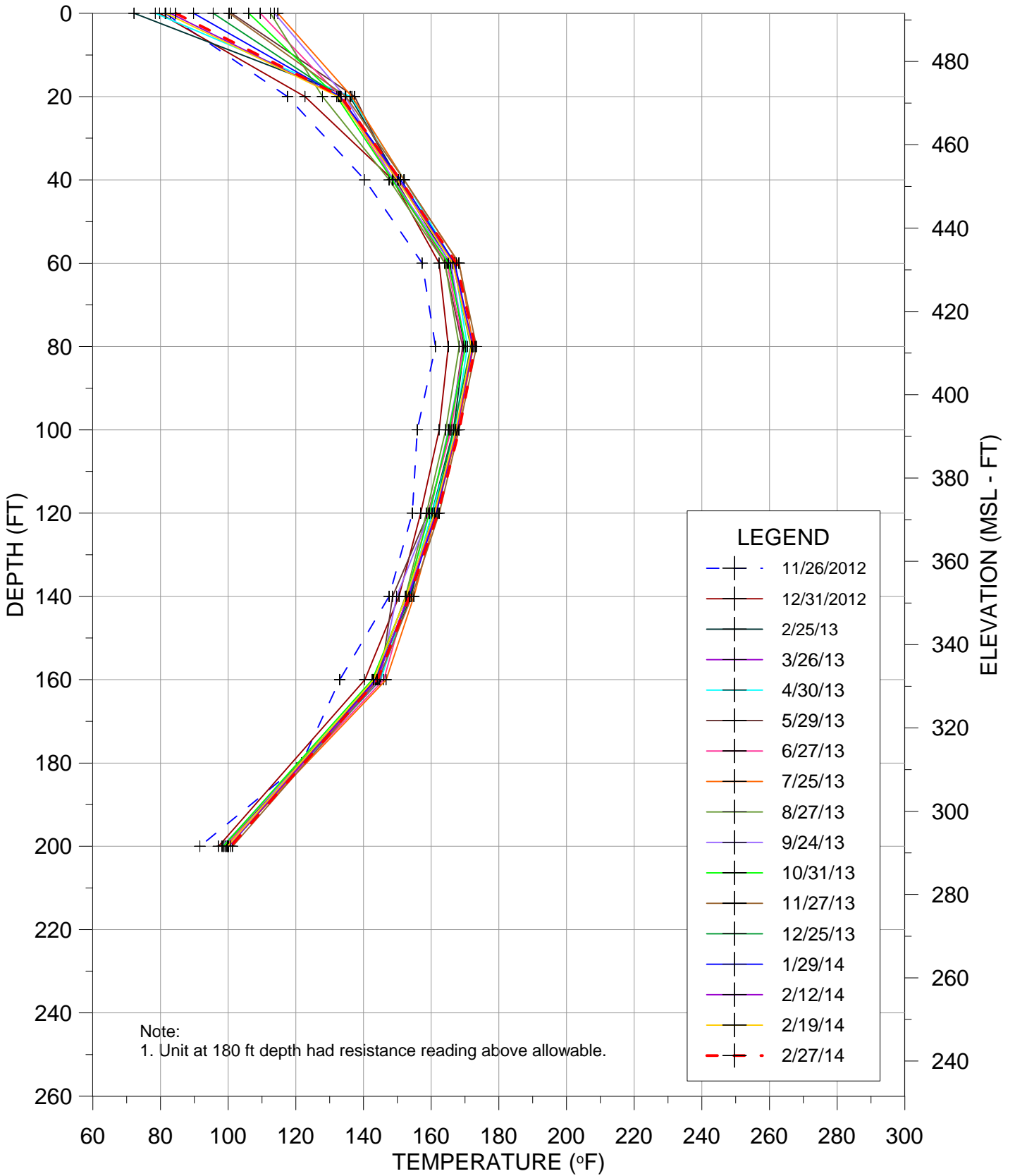
TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS

TMP-1



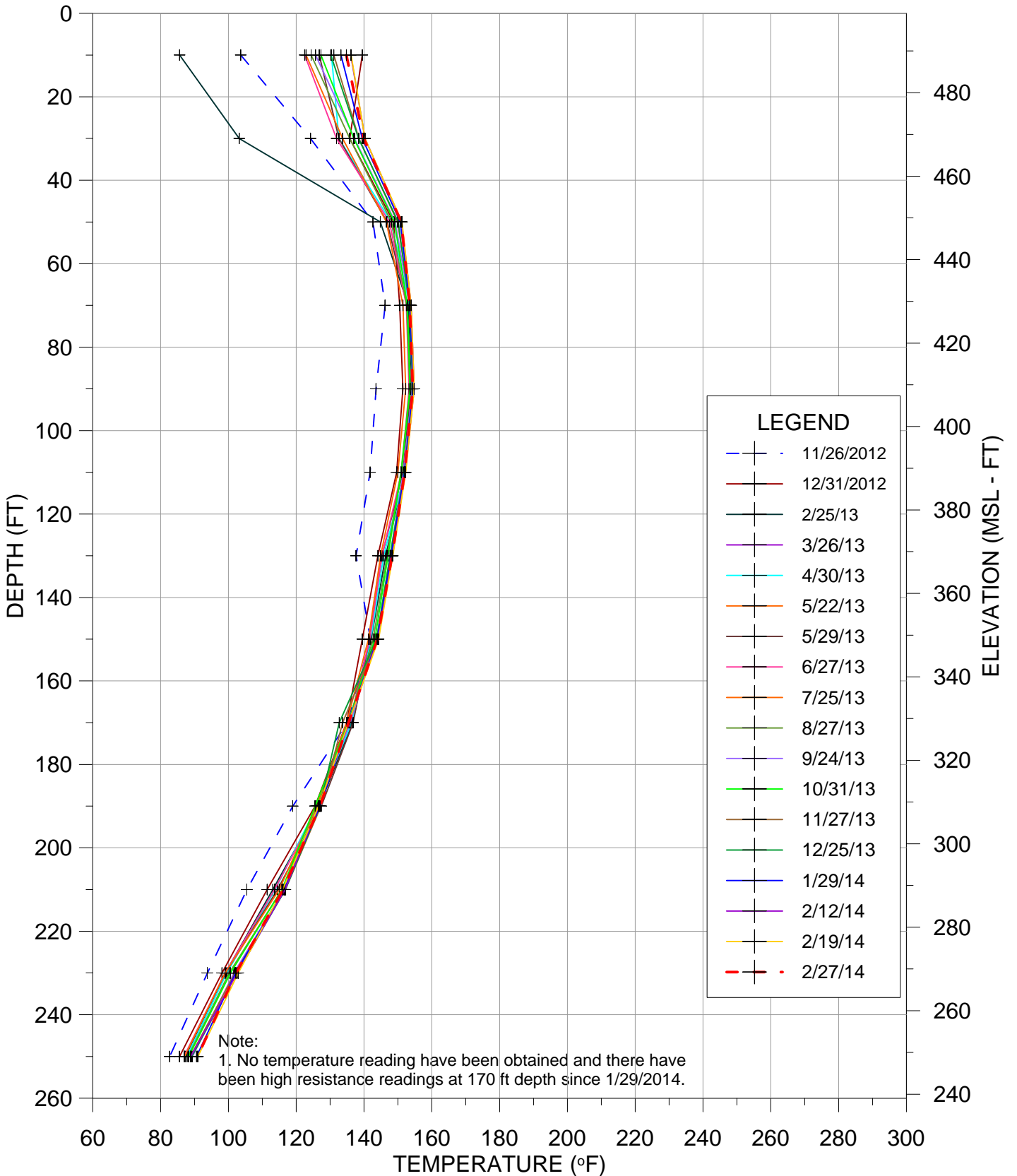
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-2



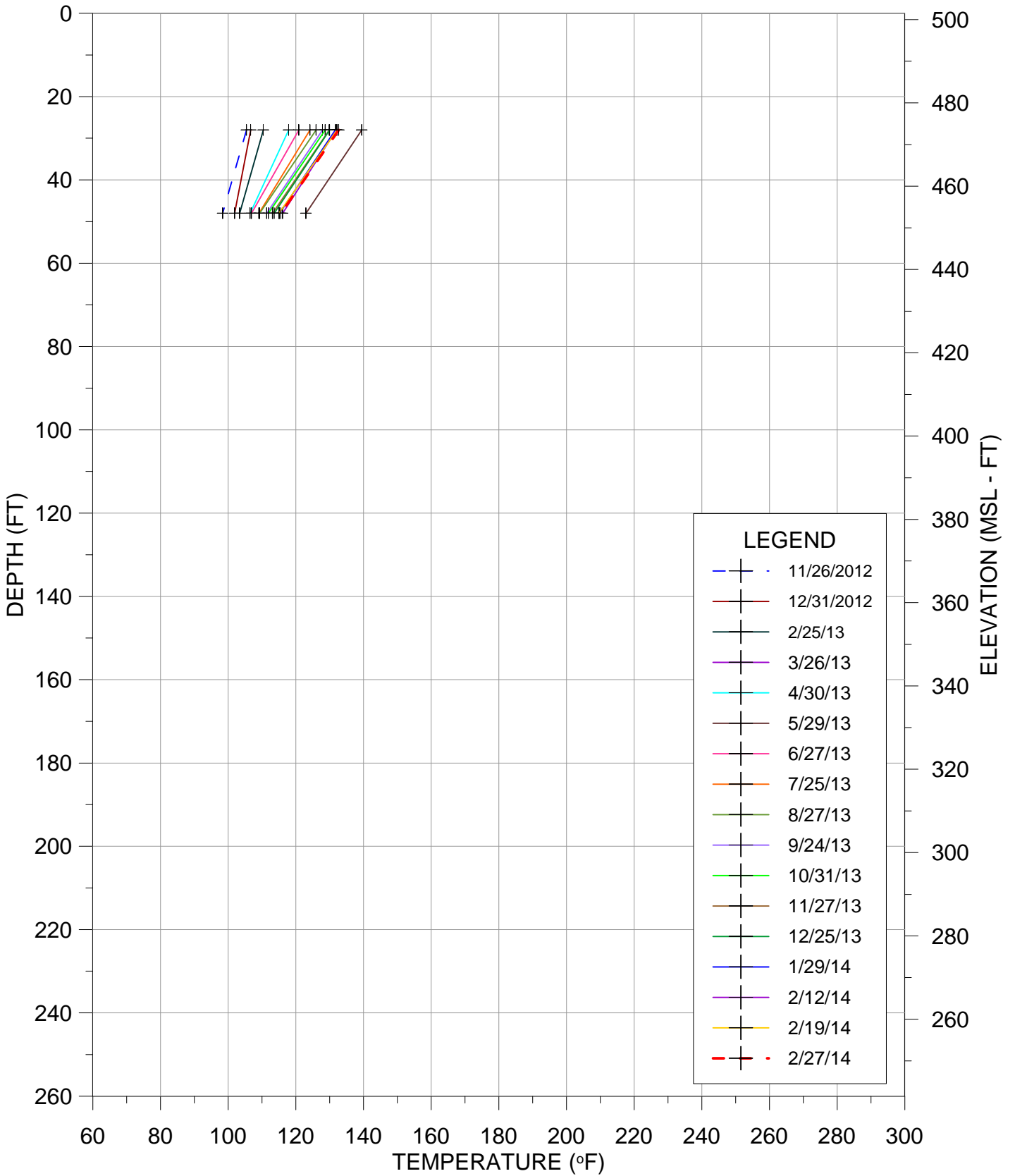
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-3



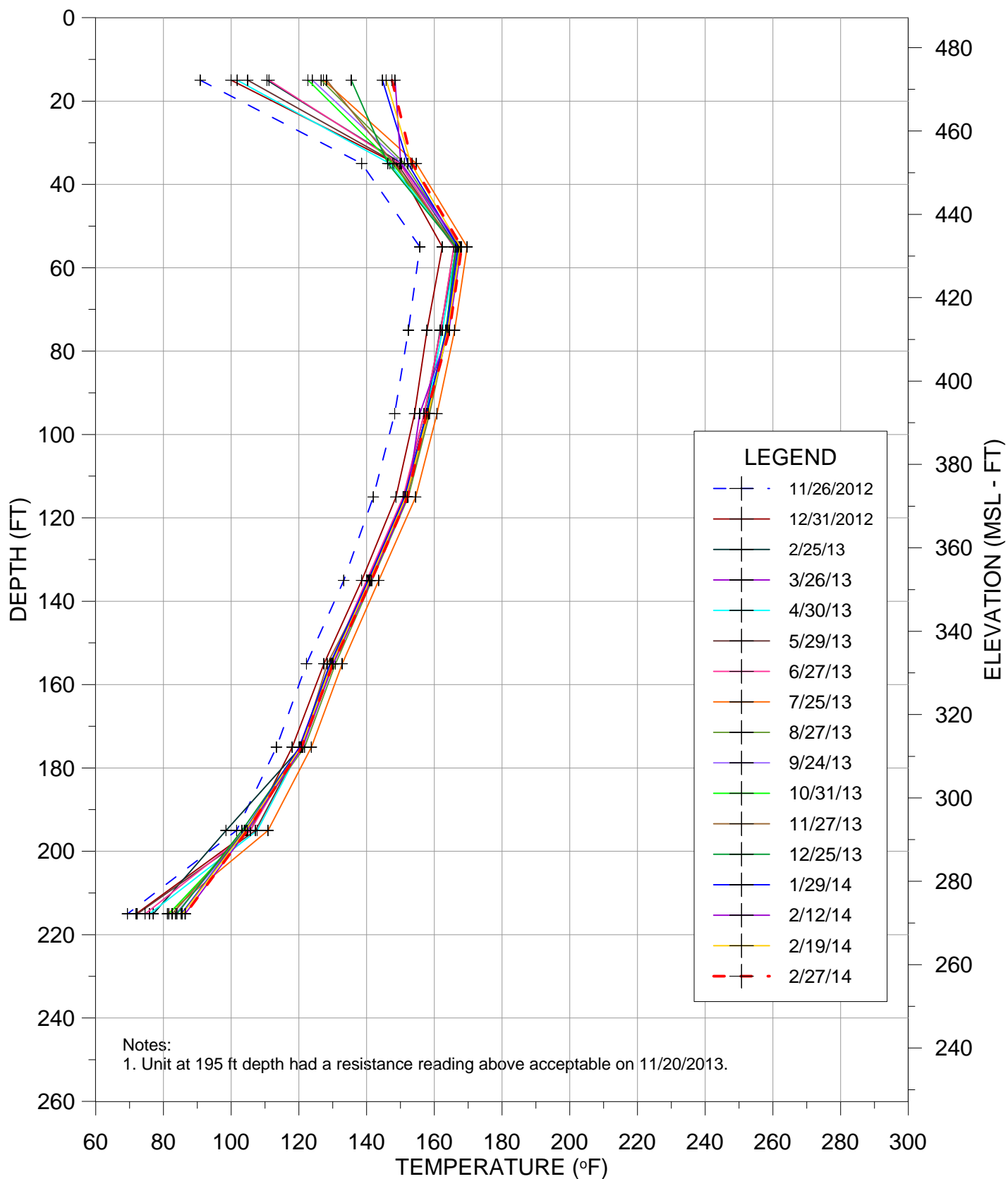
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-4



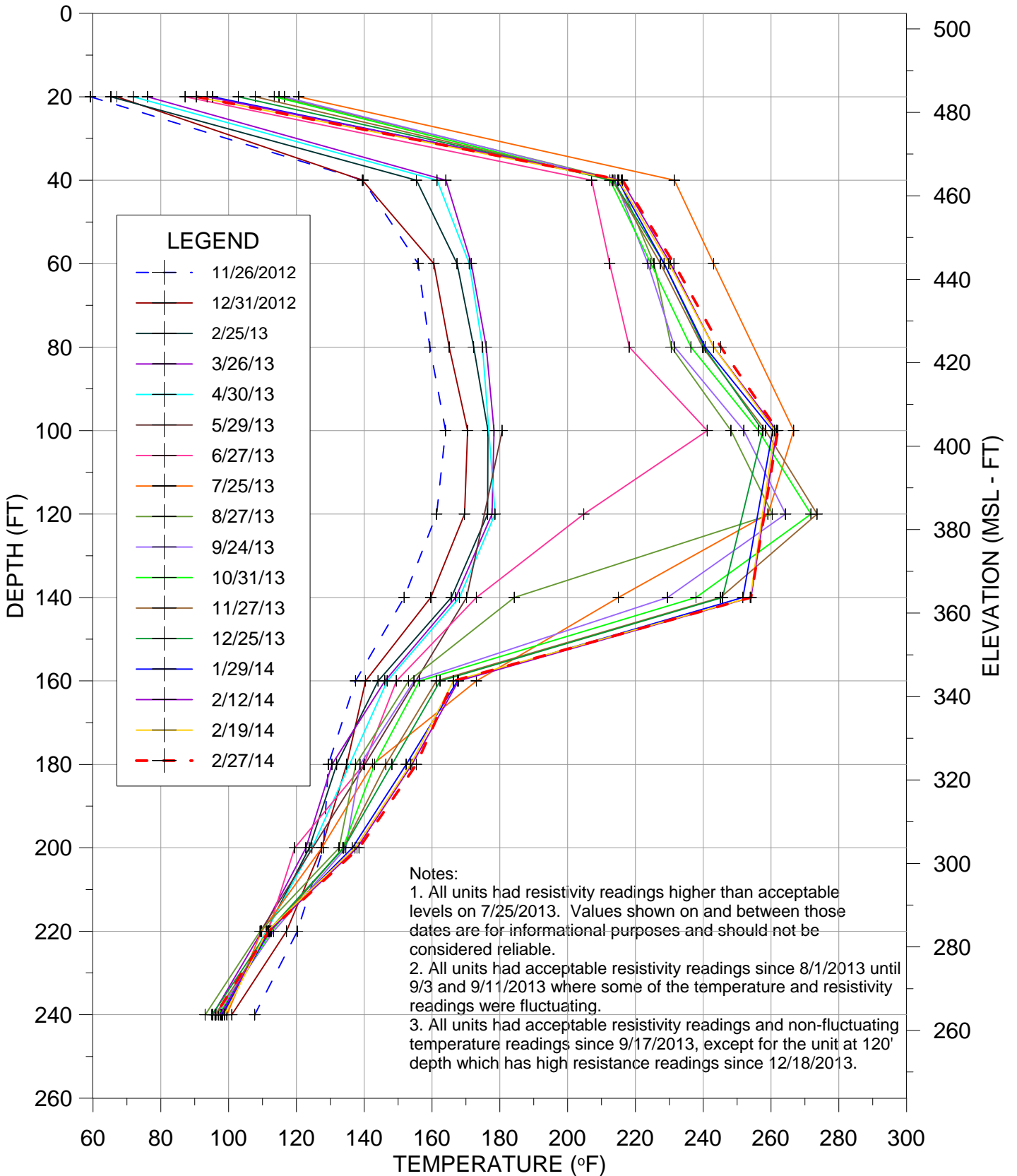
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-6



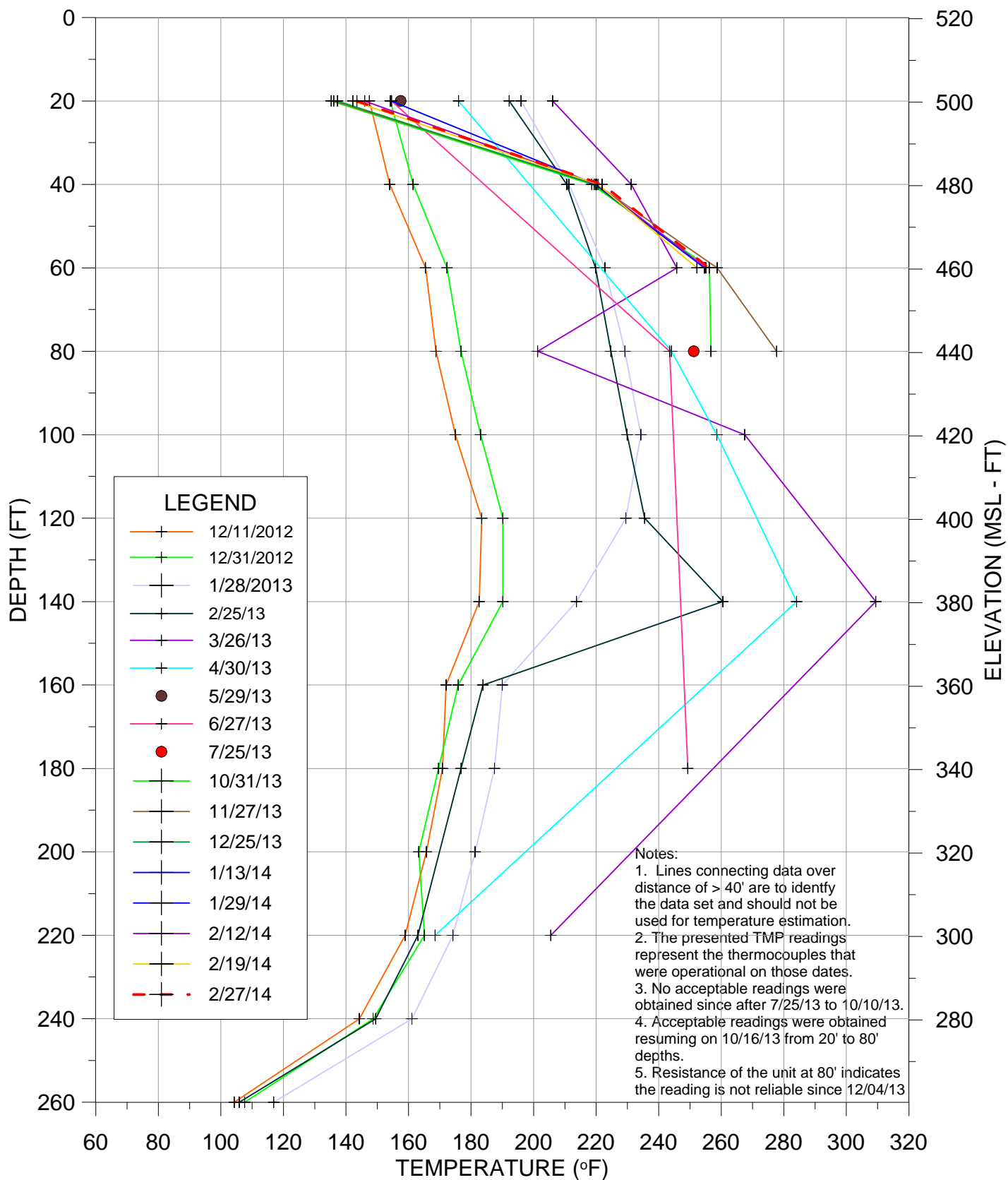
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-7R



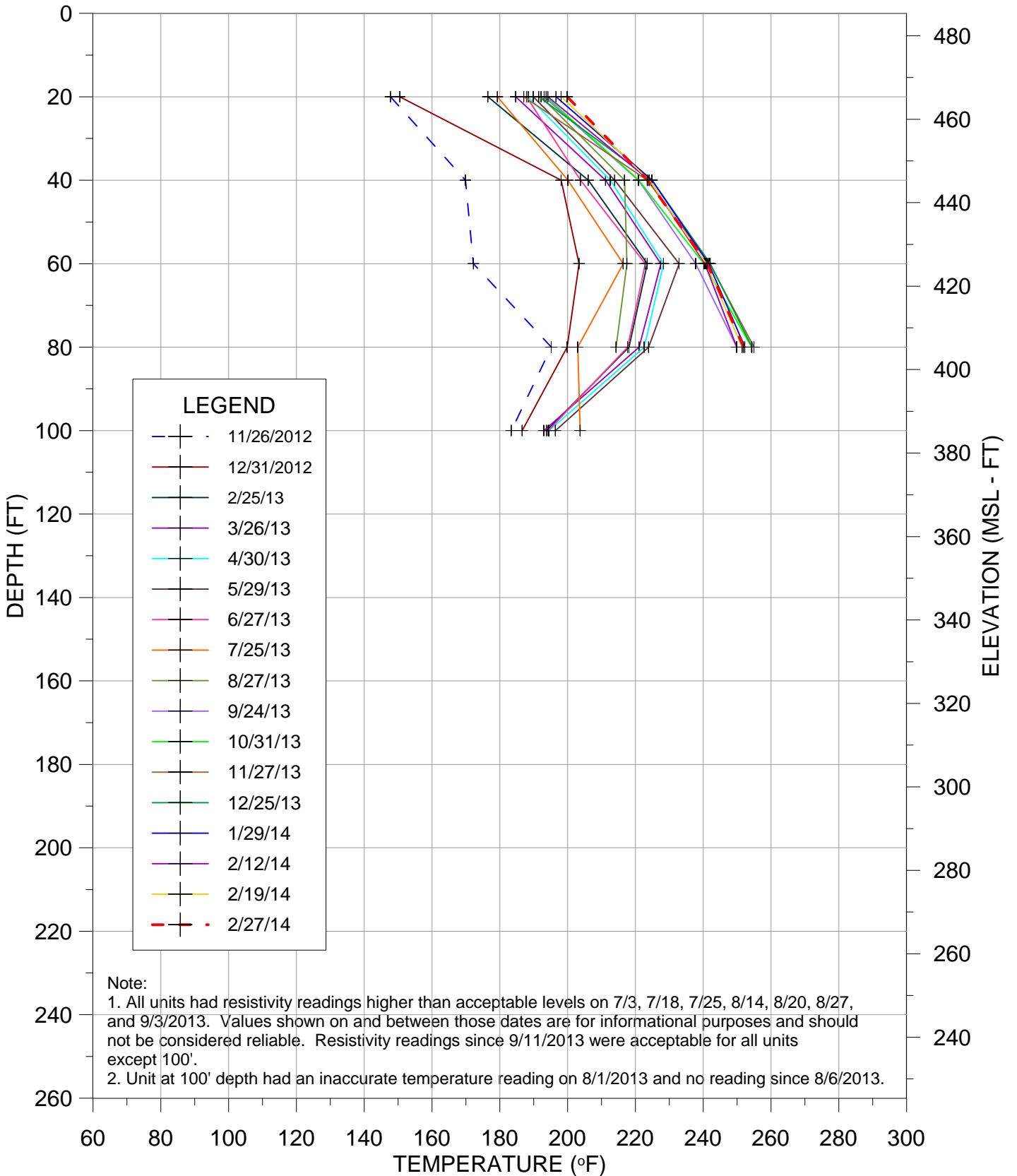
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-8



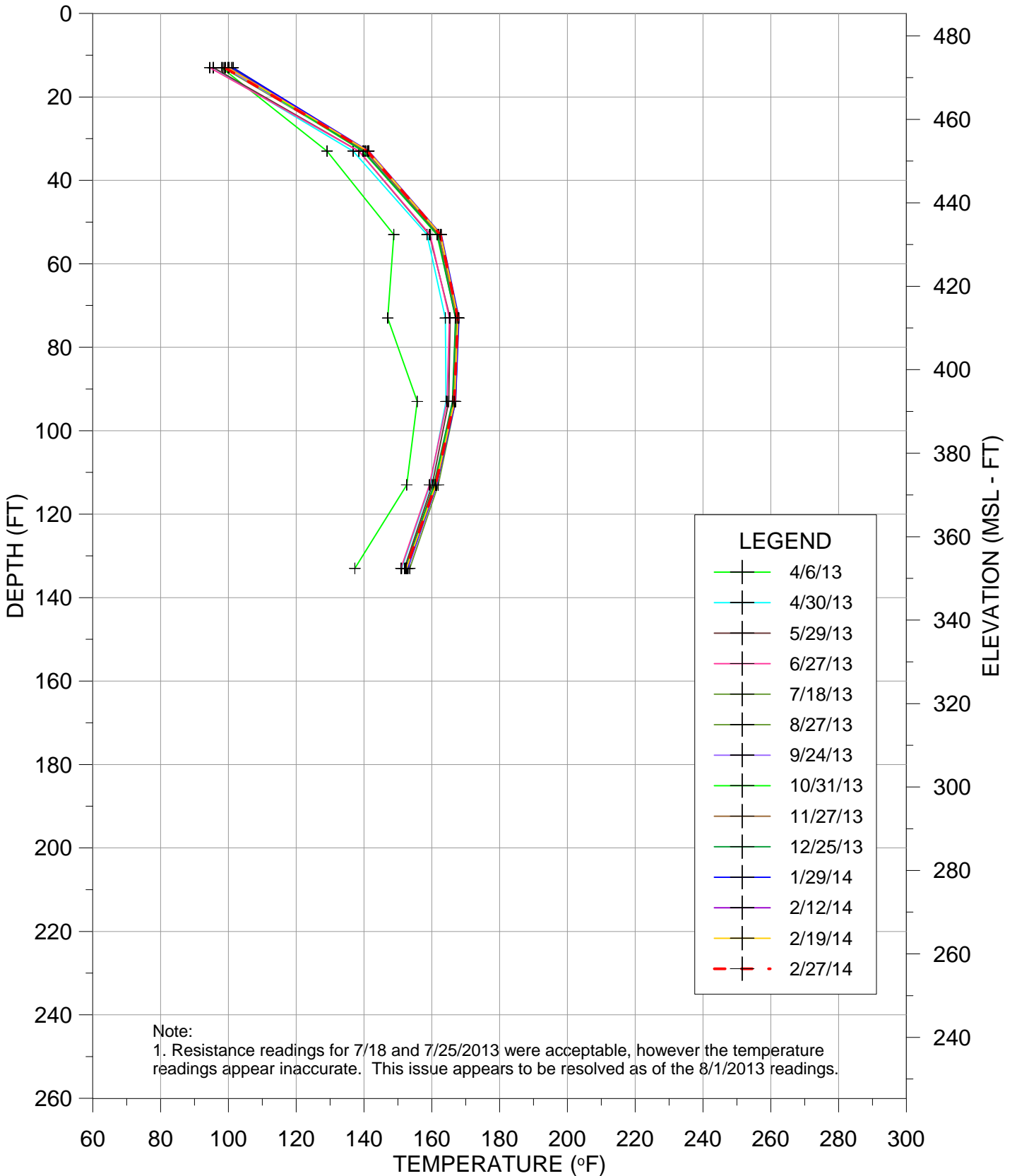
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-9



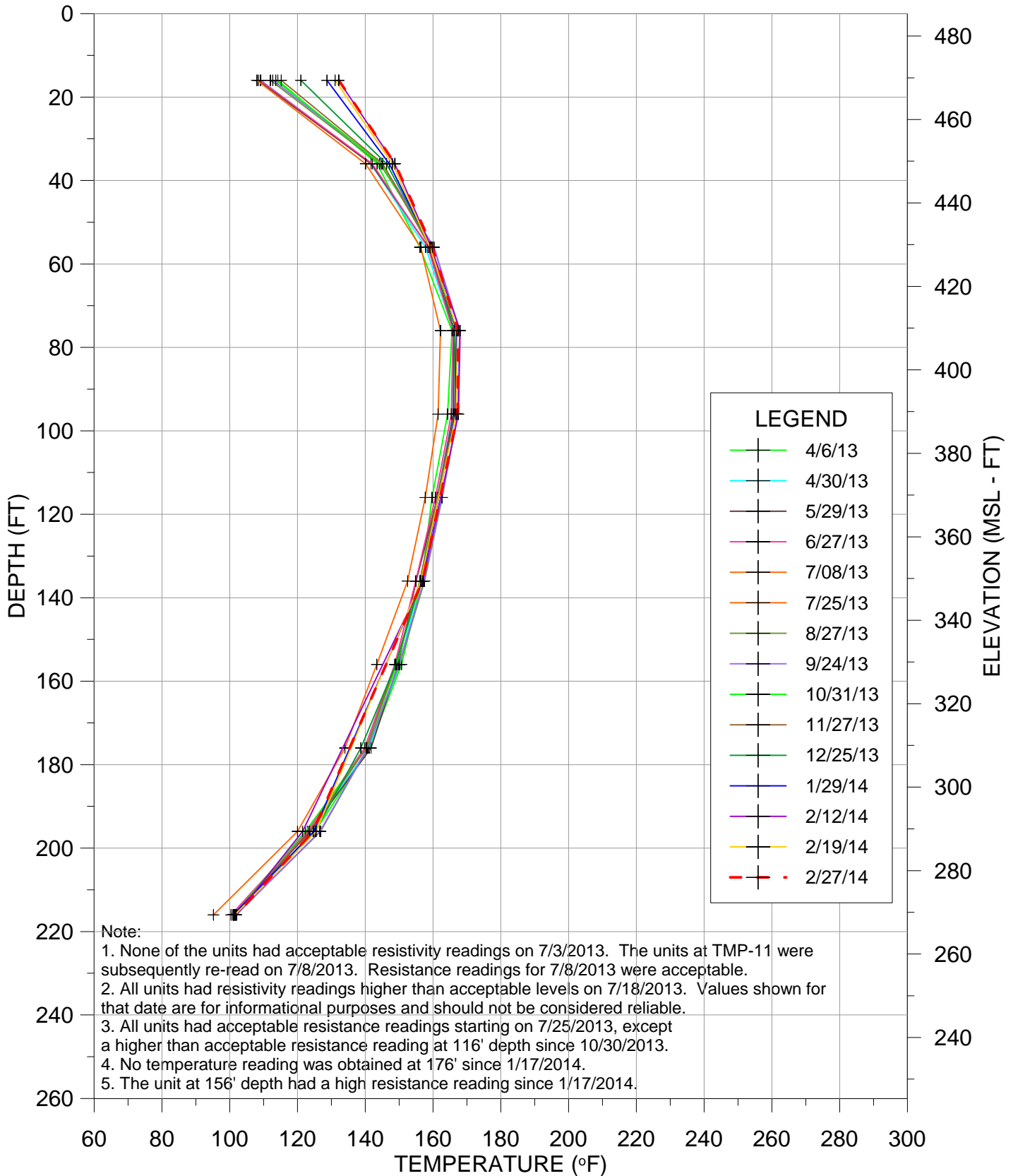
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-10



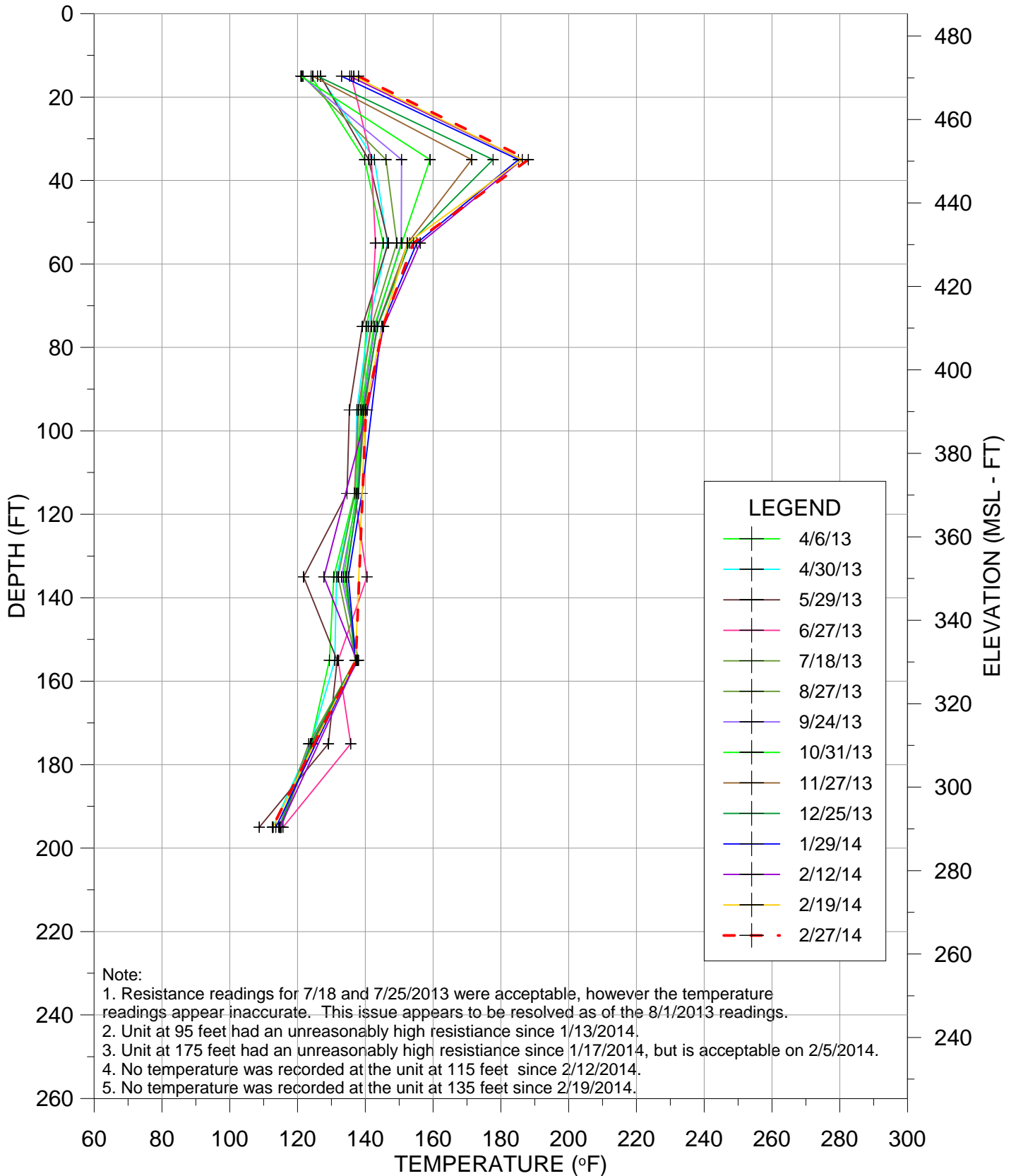
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-11

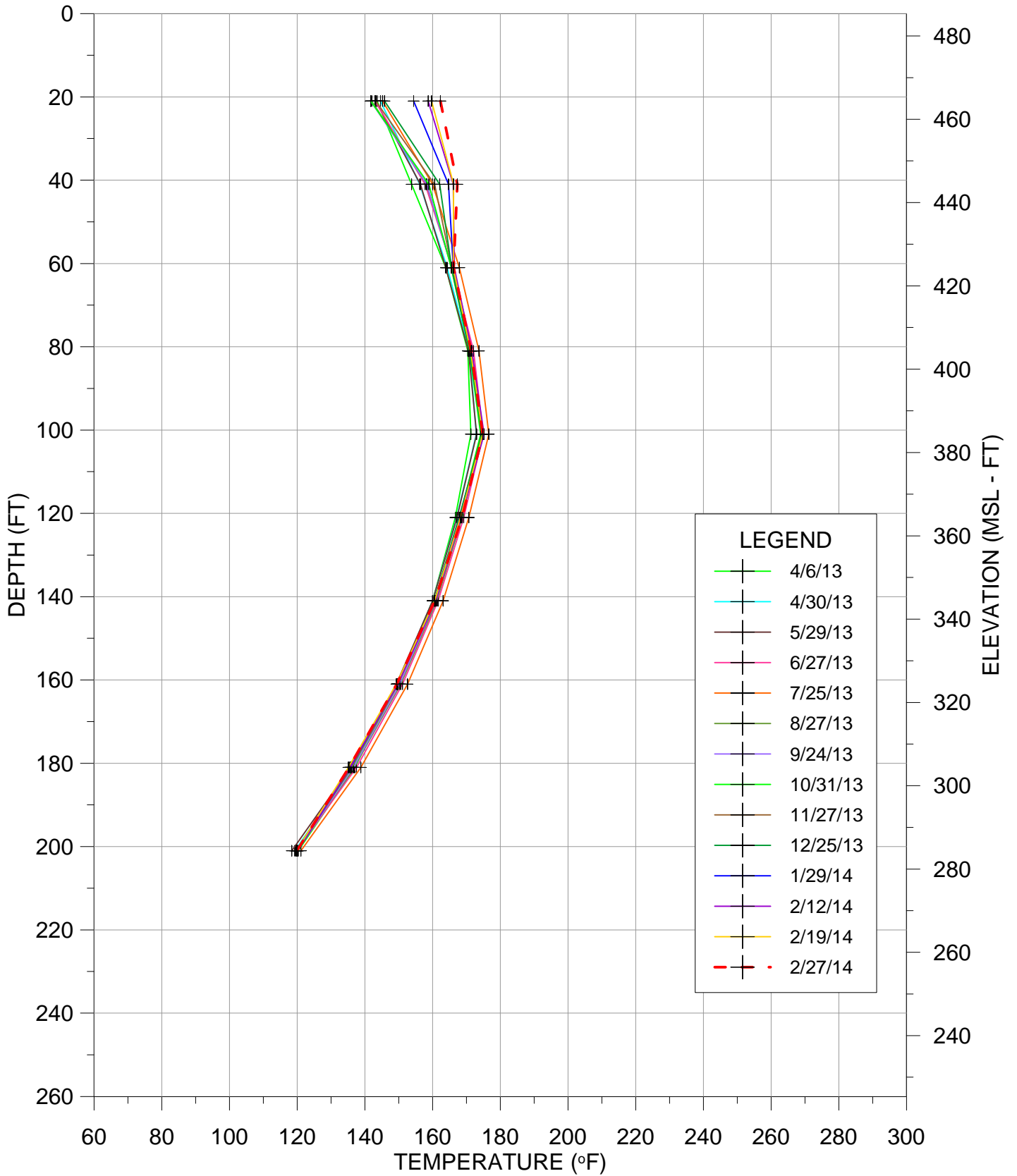


TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-12

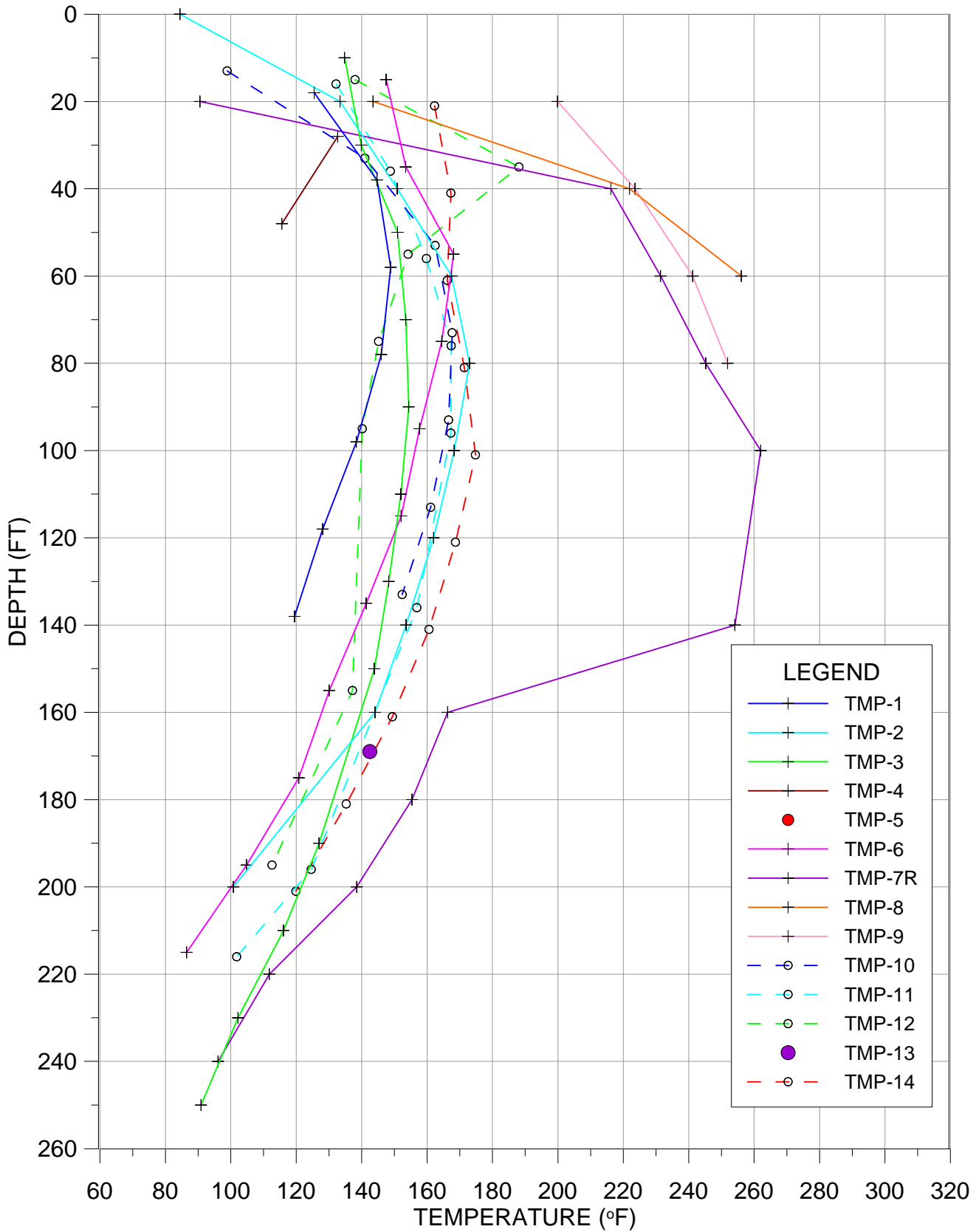


TMP-14



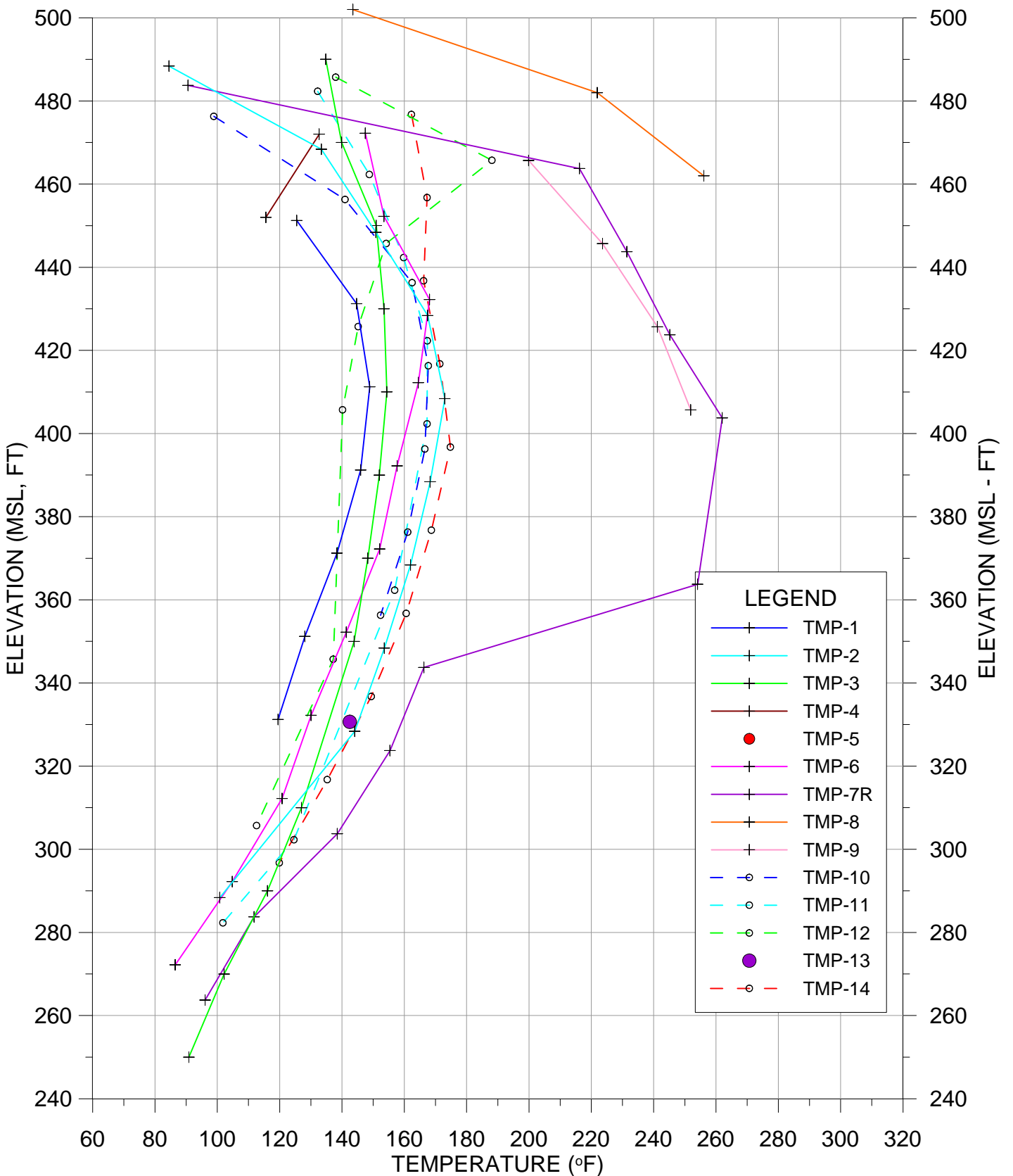
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

02/27/2014 -DEPTH



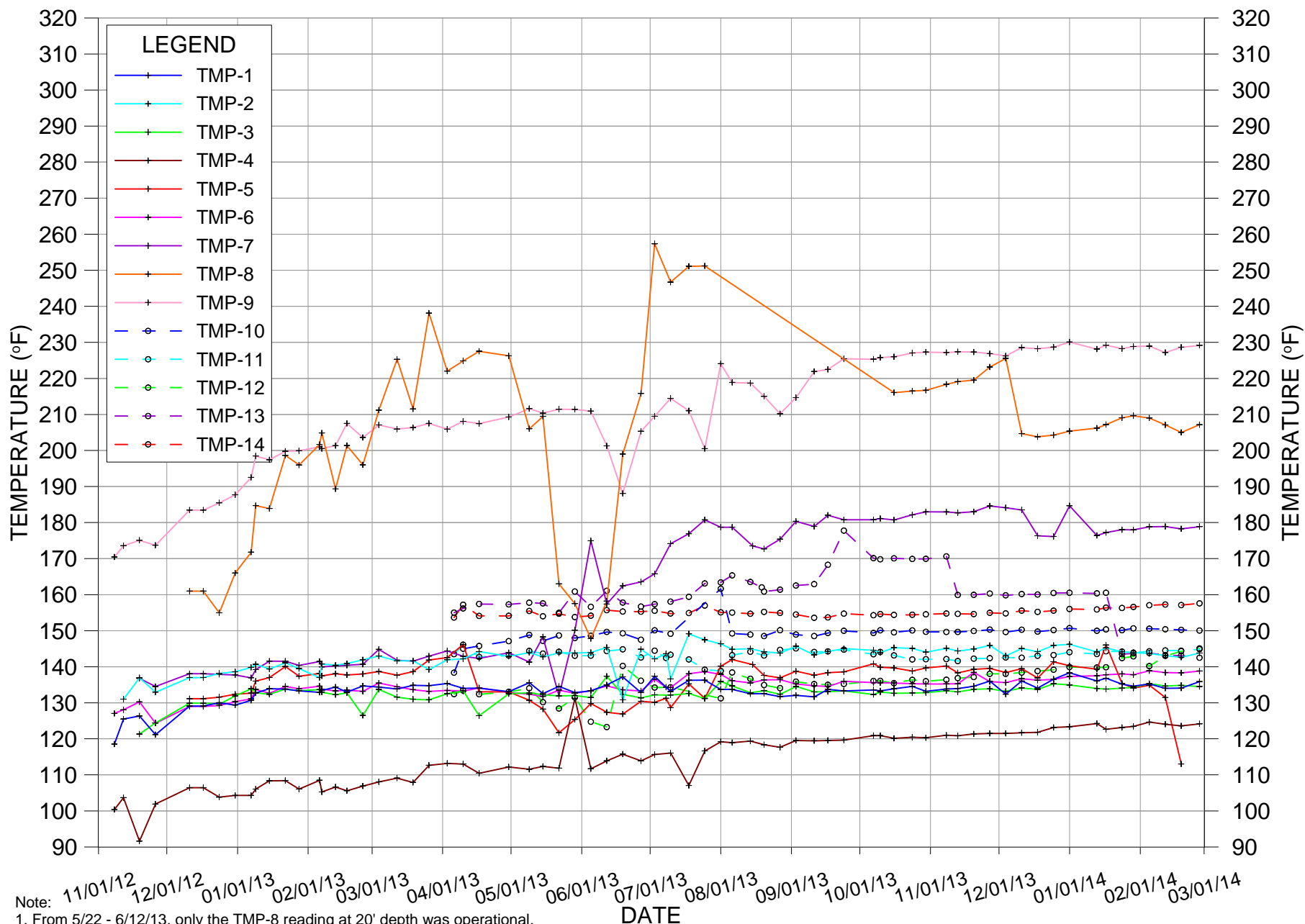
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

02/27/2014 - ELEVATION



TEMPERATURE VS ELEVATION
BRIDGETON LANDFILL

AVERAGE TEMPERATURES

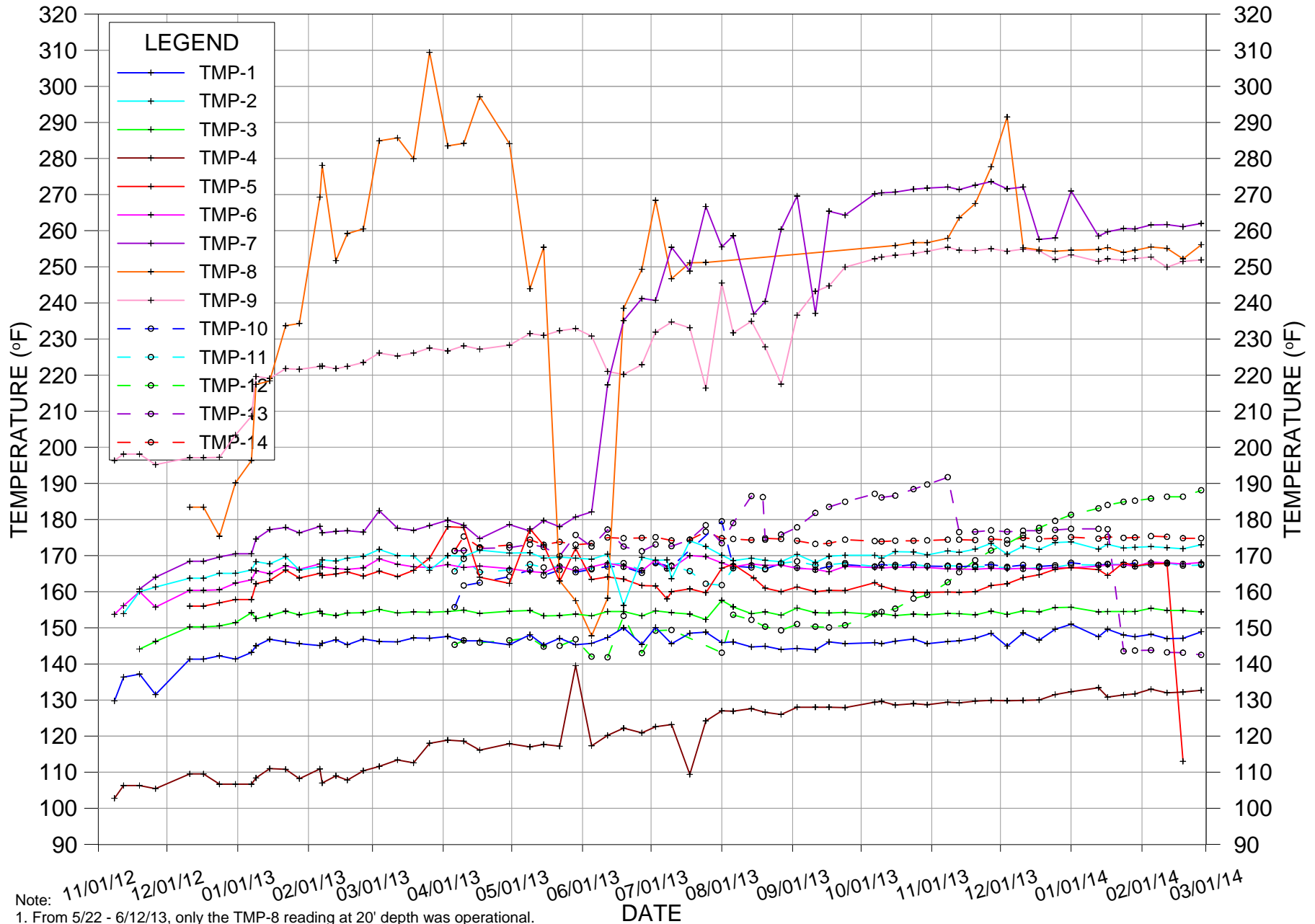


Note: 11/01/12 12/01/12 01/01/13 02/01/13 03/01/13 04/01/13 05/01/13 06/01/13 07/01/13 08/01/13 09/01/13 10/01/13 11/01/13 12/01/13 01/01/14 02/01/14 03/01/14

1. From 5/22 - 6/12/13, only the TMP-8 reading at 20' depth was operational.
No valid readings were obtained for TMP-8 from 8/1 to 10/10/2013. Valid readings from 20' to 40' resumed on 10/16/2013.
2. A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
3. No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
4. End terminals were replaced just prior to the 8/6/2013 readings with type T Omega connectors (part # SMPW-CC-T-M) on all TMPs except for TMP-8.

TEMPERATURE VS TIME
BRIDGETON LANDFILL

MAXIMUM TEMPERATURES



Note: 11/01/12 12/01/12 01/01/13 02/01/13 03/01/13 04/01/13 05/01/13 06/01/13 07/01/13 08/01/13 09/01/13 10/01/13 11/01/13 12/01/13 01/01/14 02/01/14 03/01/14

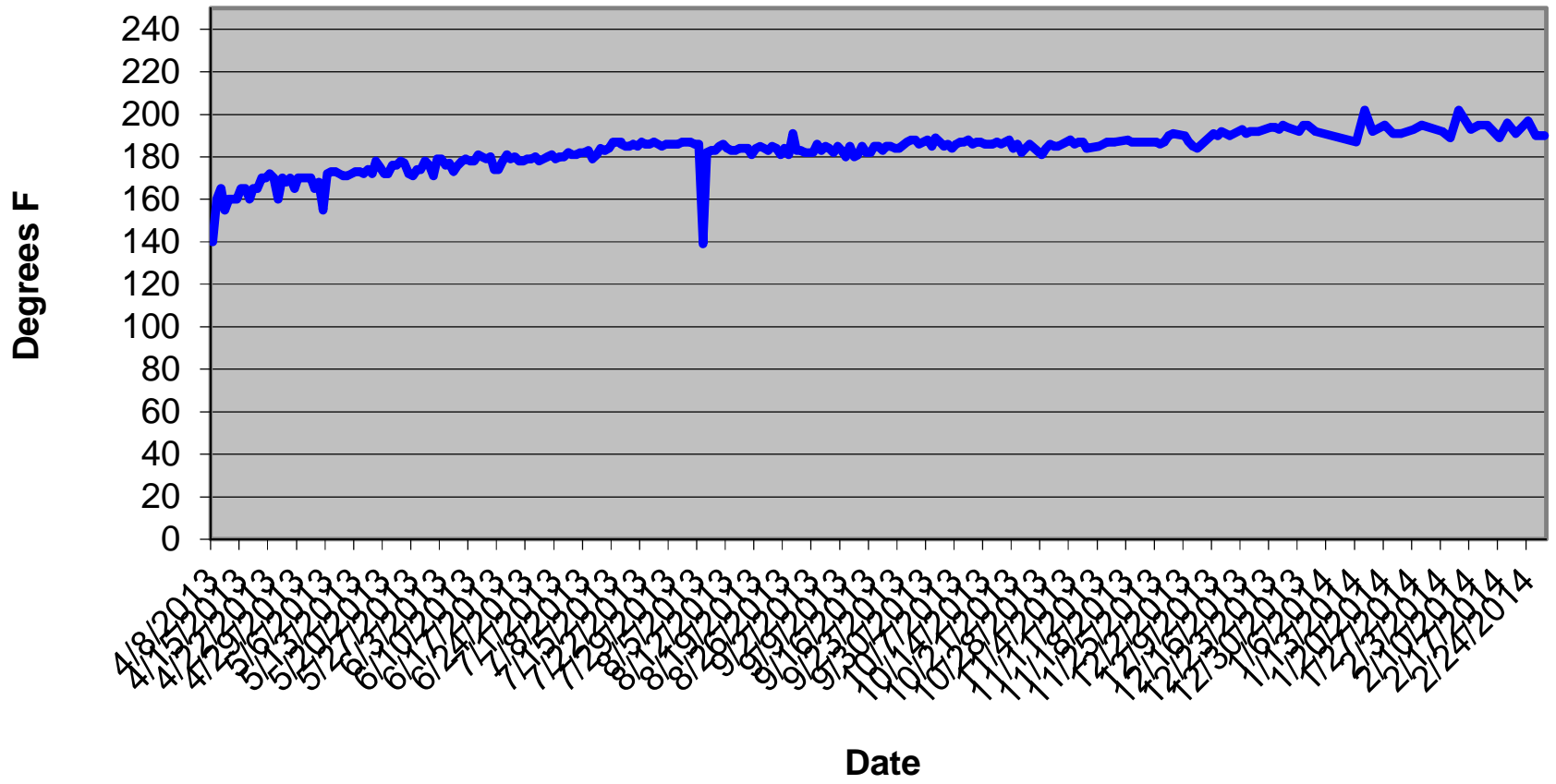
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TEMPERATURE VS TIME
BRIDGETON LANDFILL

ATTACHMENT C

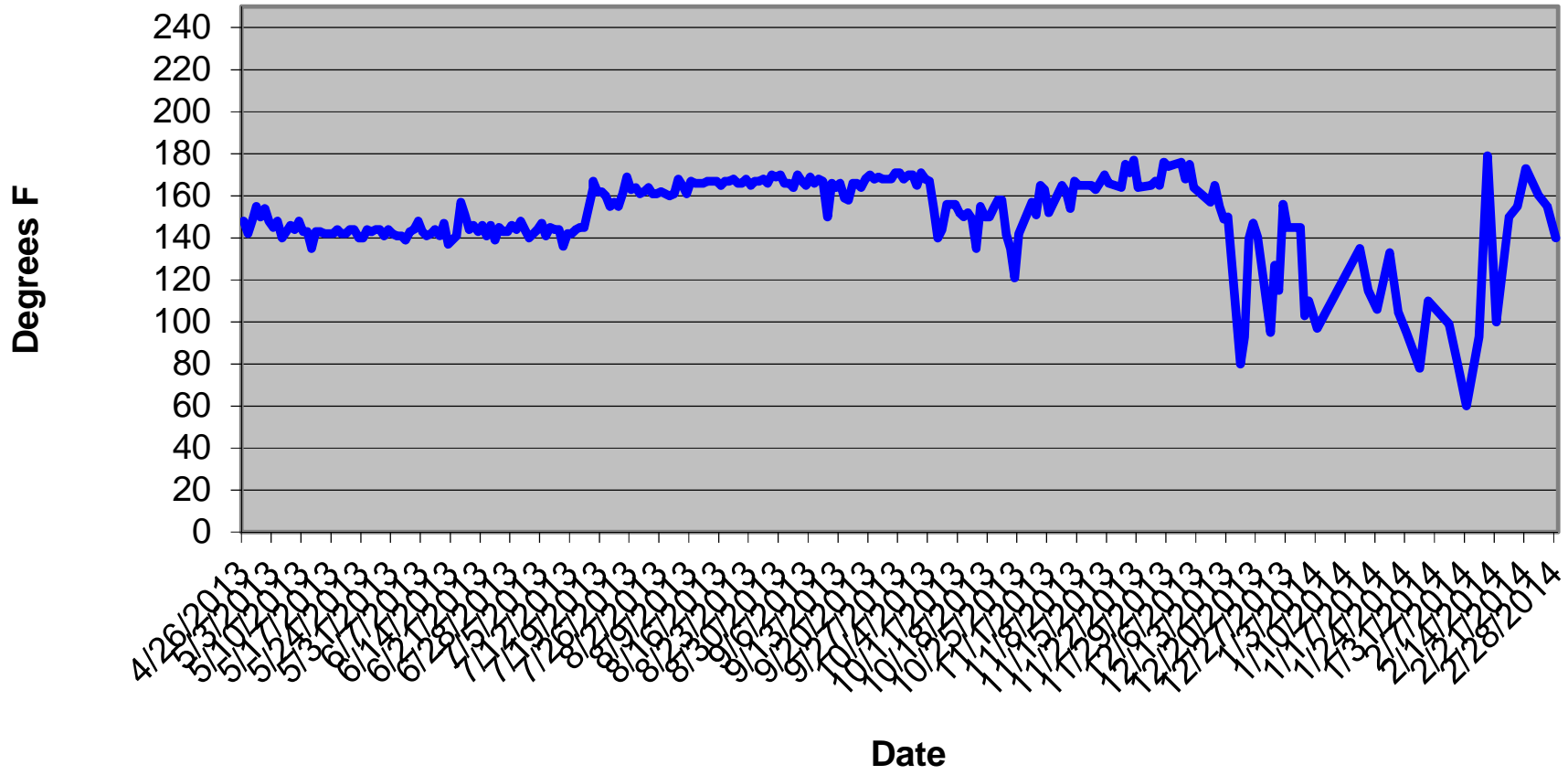
GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS

GIW-1 Wellhead Temperatures



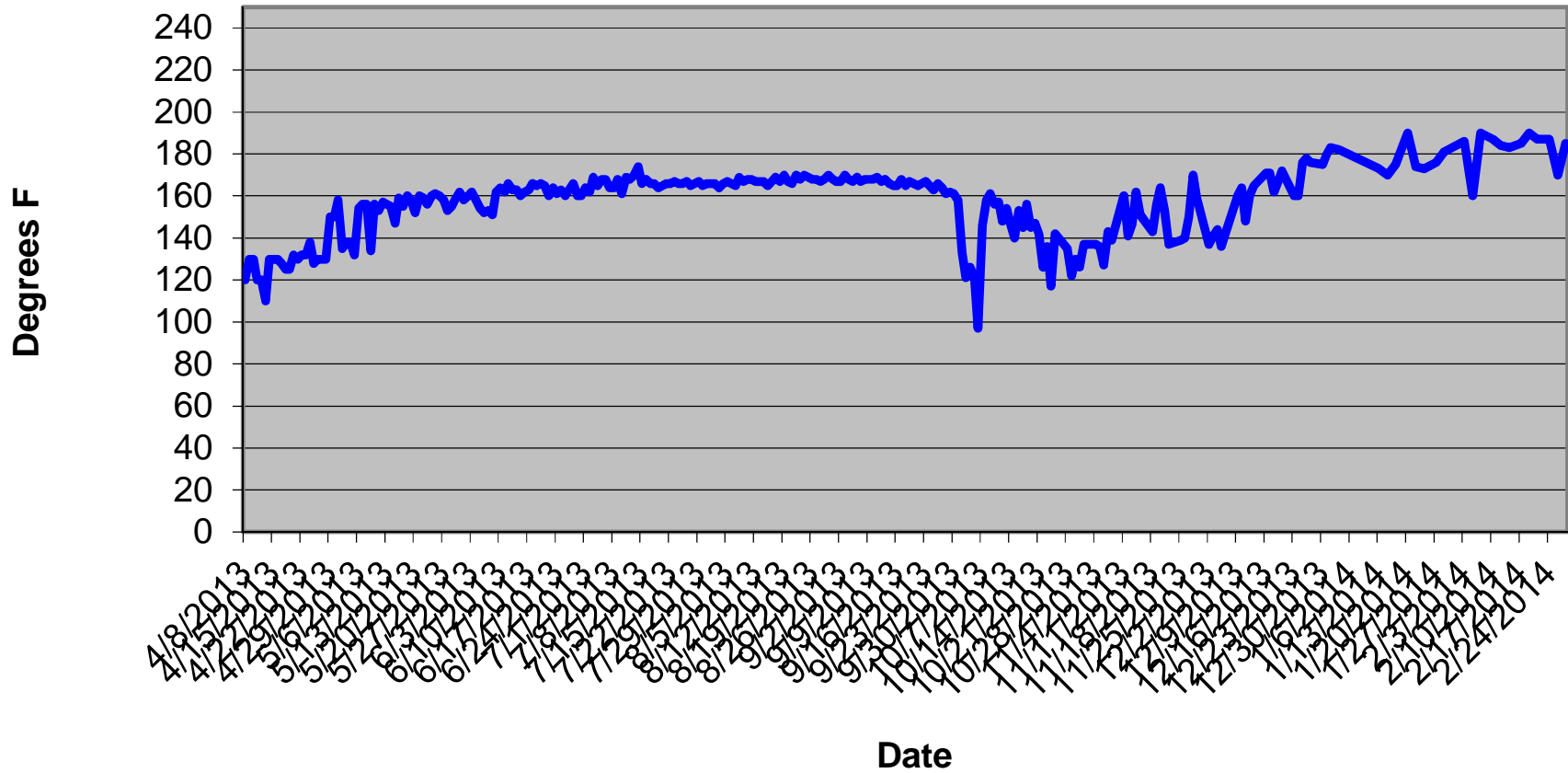
Wellhead Temp. (F)

GIW-2 Wellhead Temperatures



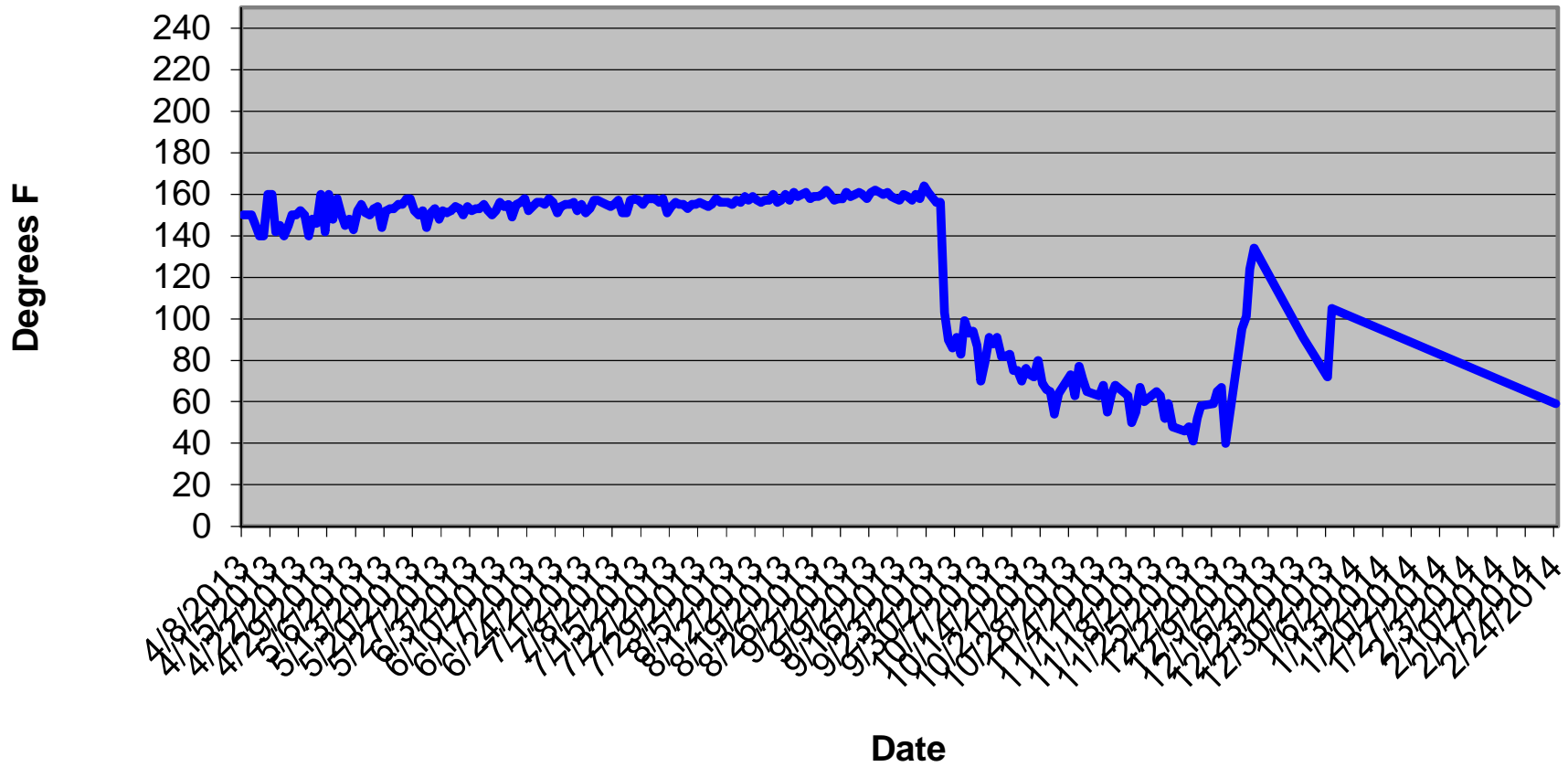
Wellhead Temp. (F)

GIW-3 Wellhead Temperatures



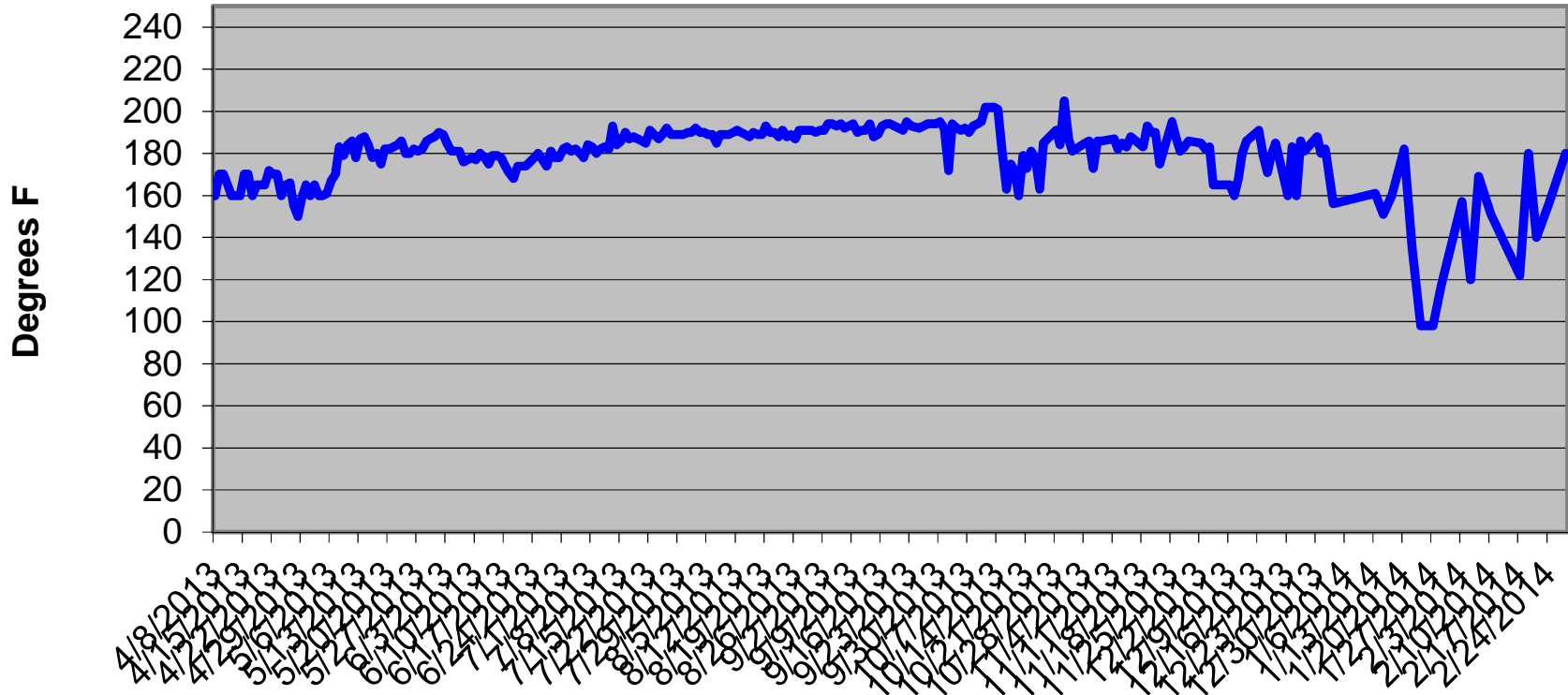
Wellhead Temp. (F)

GIW-4 Wellhead Temperatures



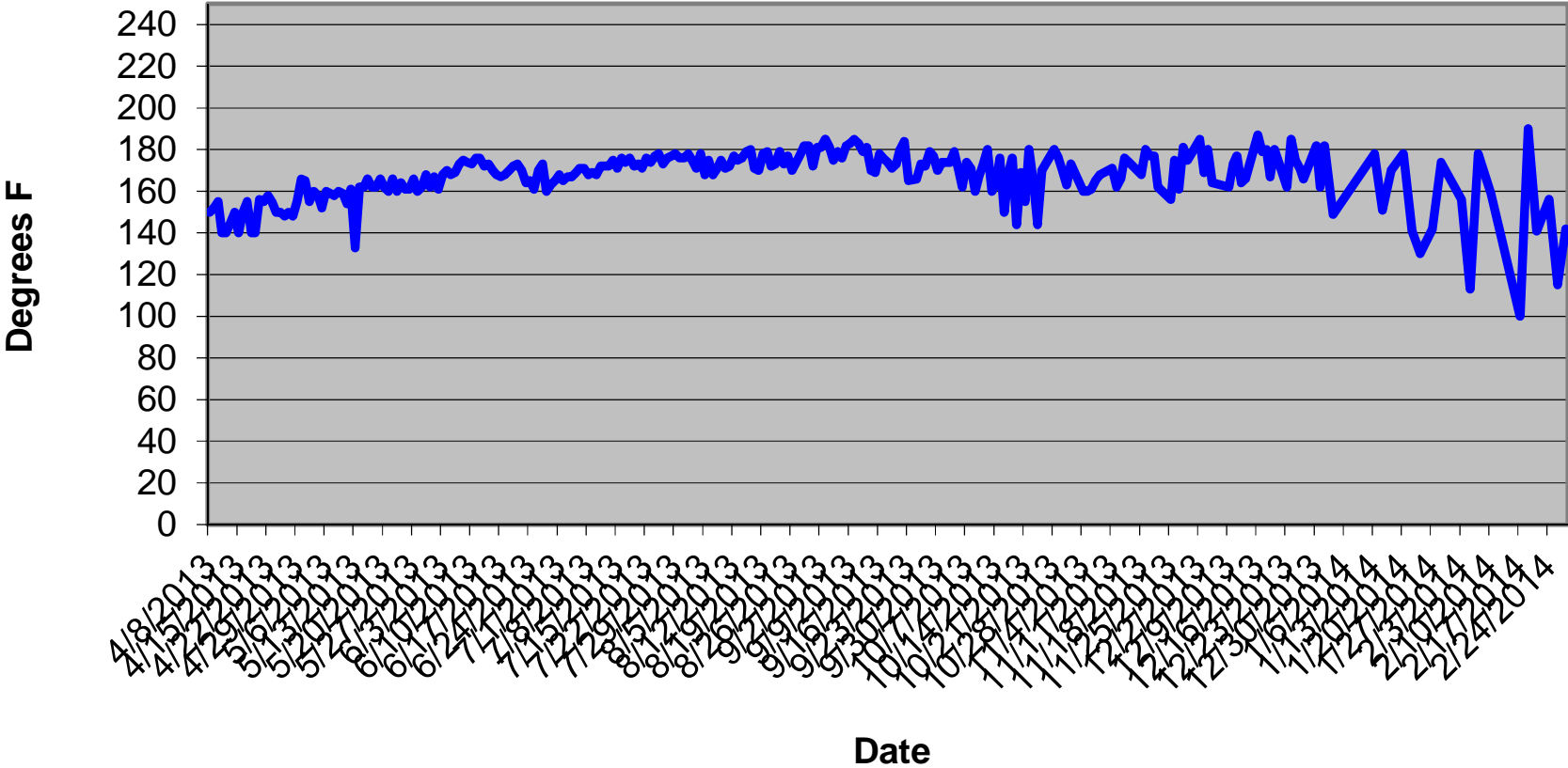
Wellhead Temp. (F)

GIW-5 Wellhead Temperatures



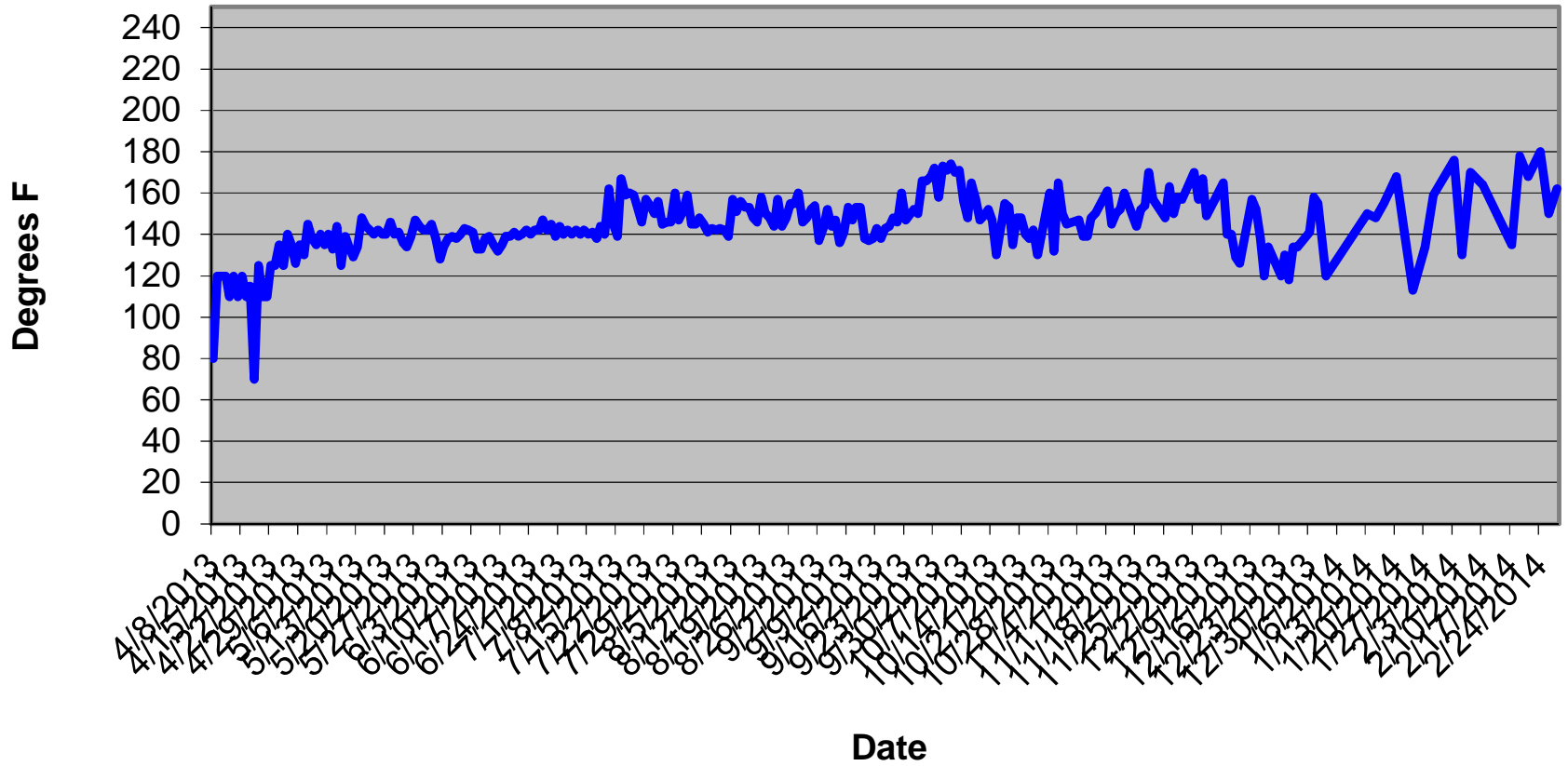
Wellhead Temp. (F)

GIW-6 Wellhead Temperatures



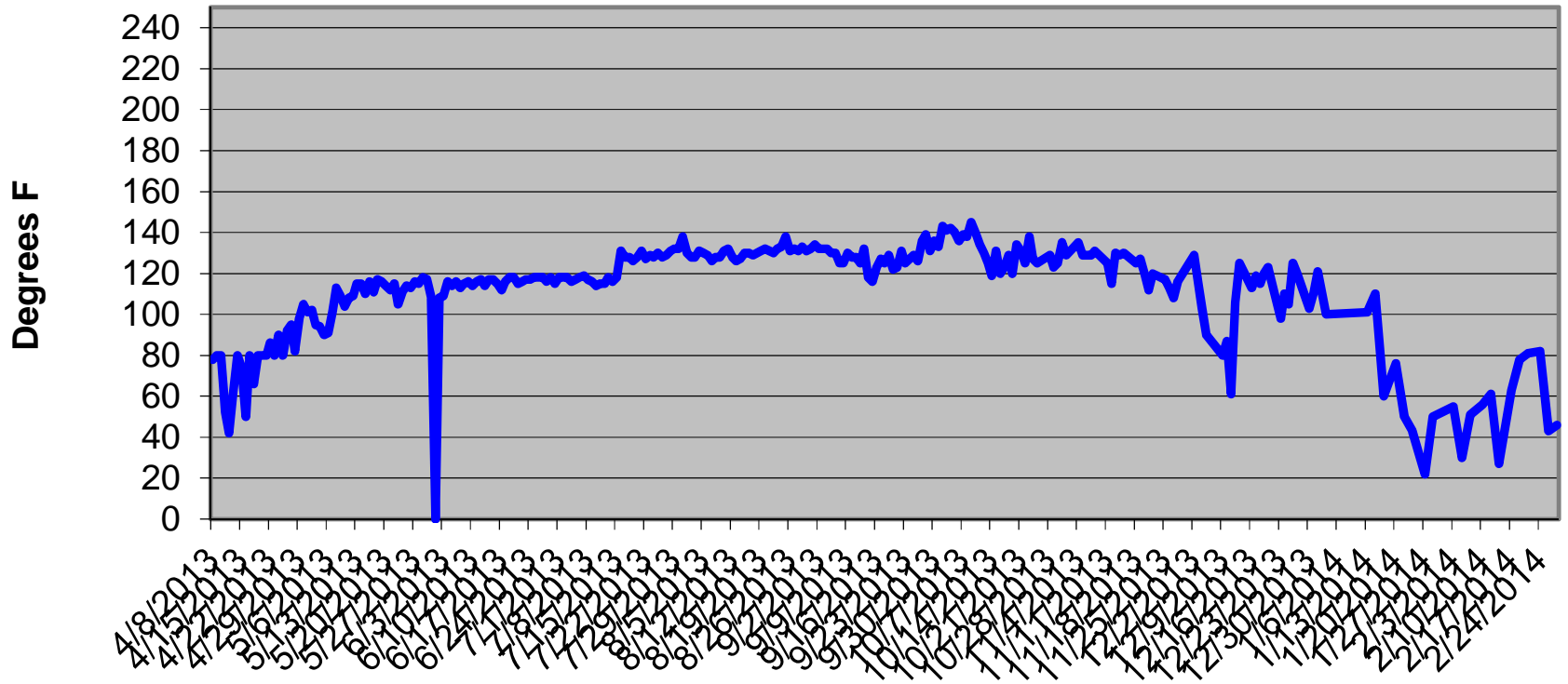
Wellhead Temp. (F)

GIW-7 Wellhead Temperatures



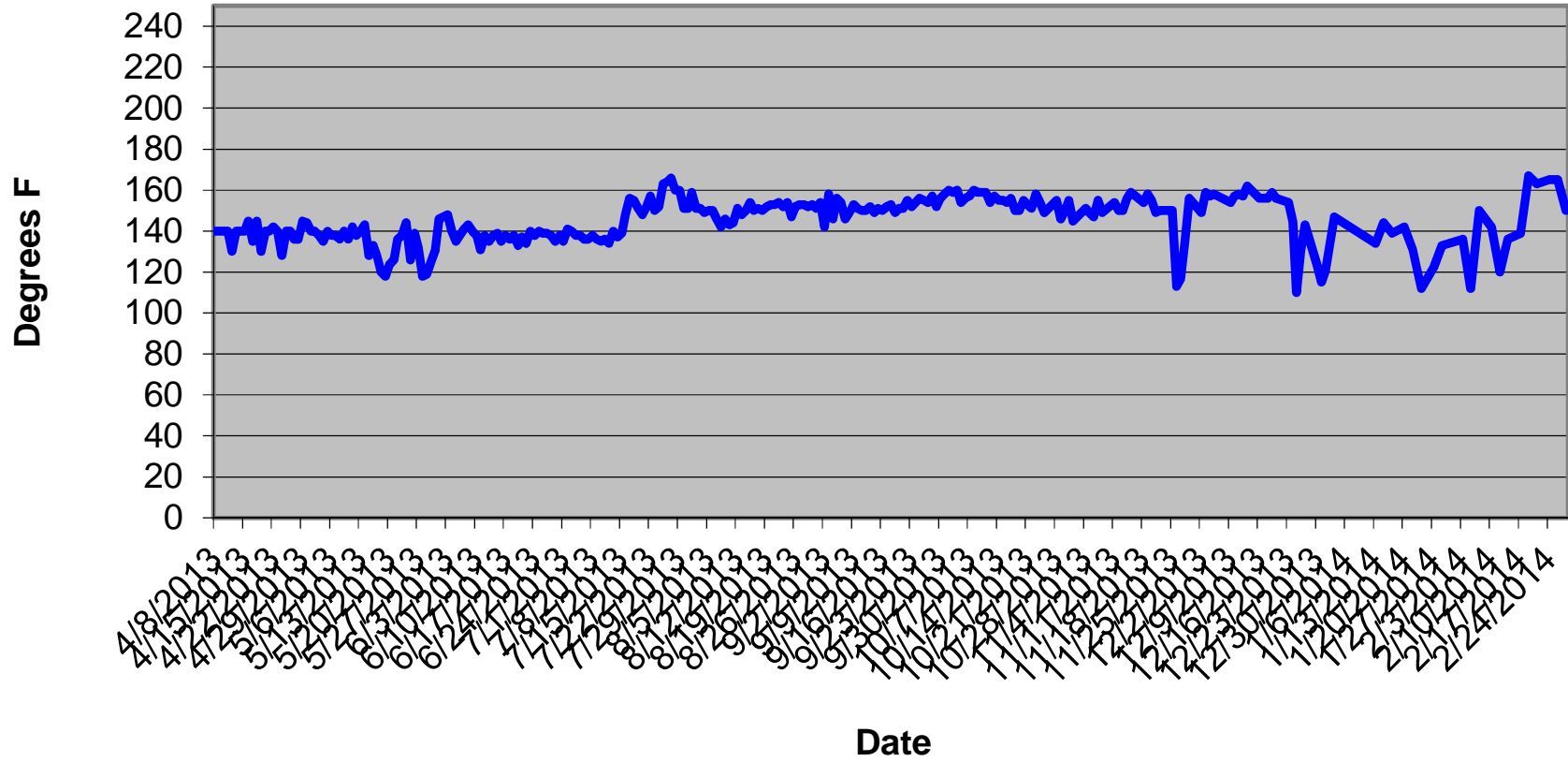
Wellhead Temp. (F)

GIW-8 Wellhead Temperatures



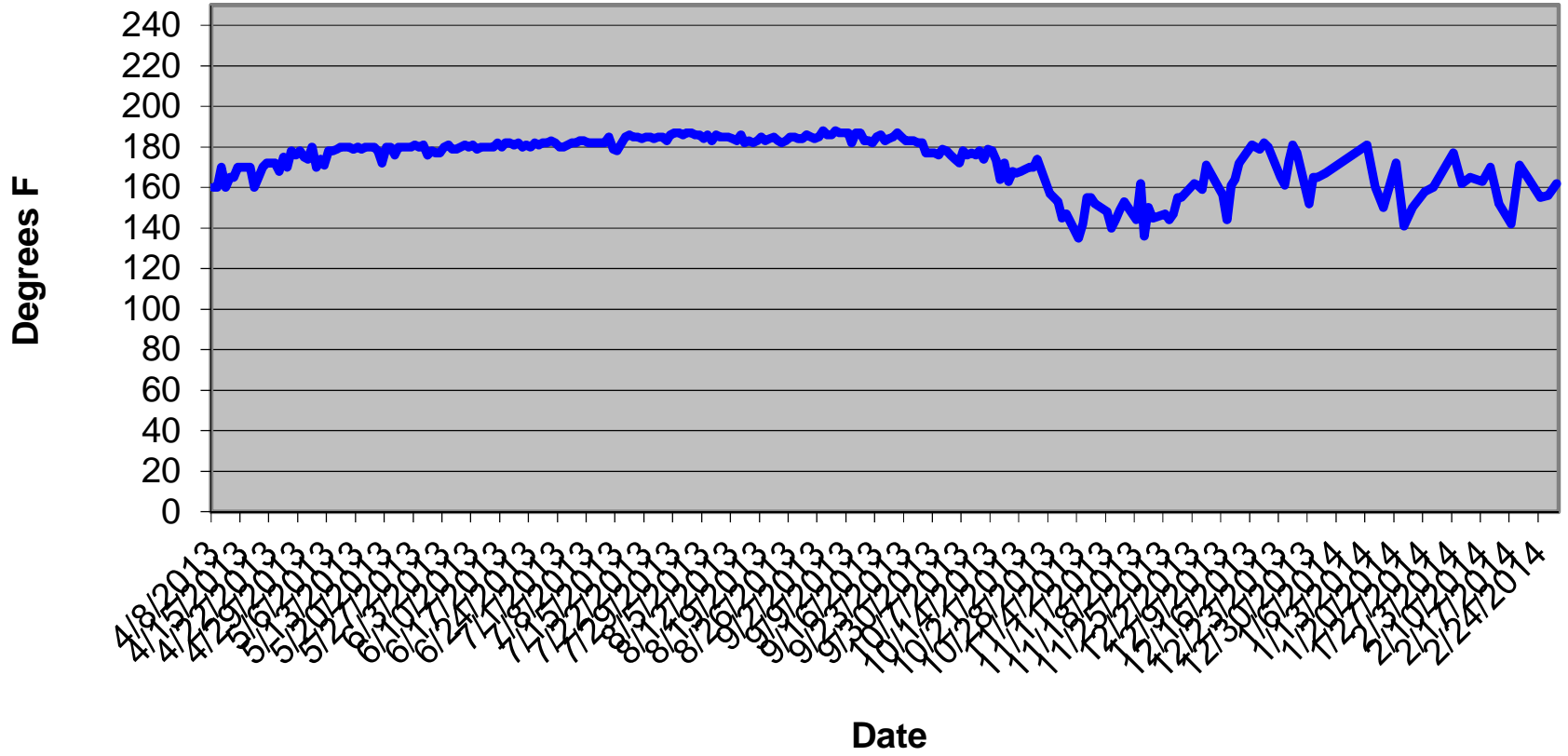
Wellhead Temp. (F)

GIW-9 Wellhead Temperatures



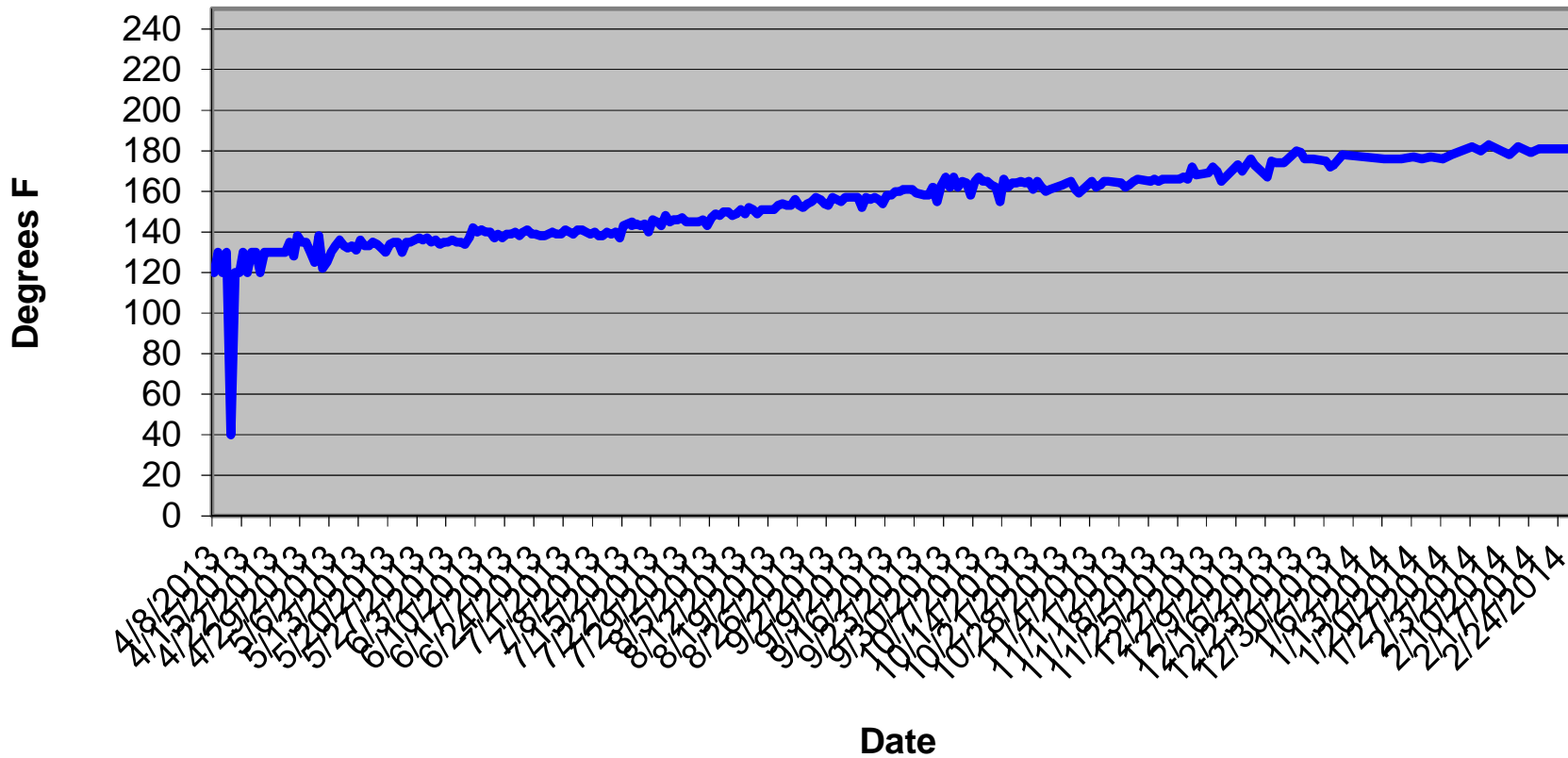
Wellhead Temp. (F)

GIW-10 Wellhead Temperatures



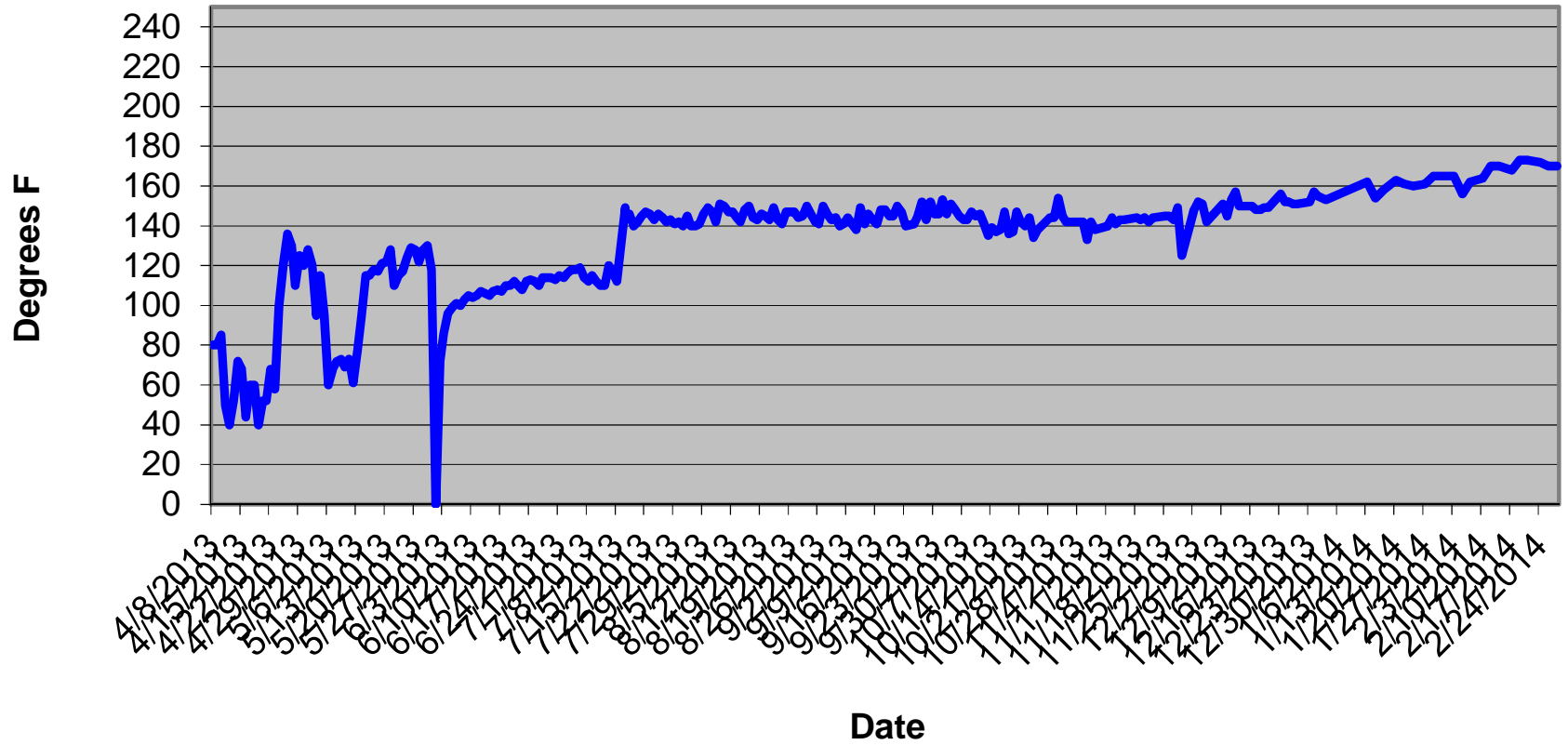
Wellhead Temp. (F)

GIW-11 Wellhead Temperatures



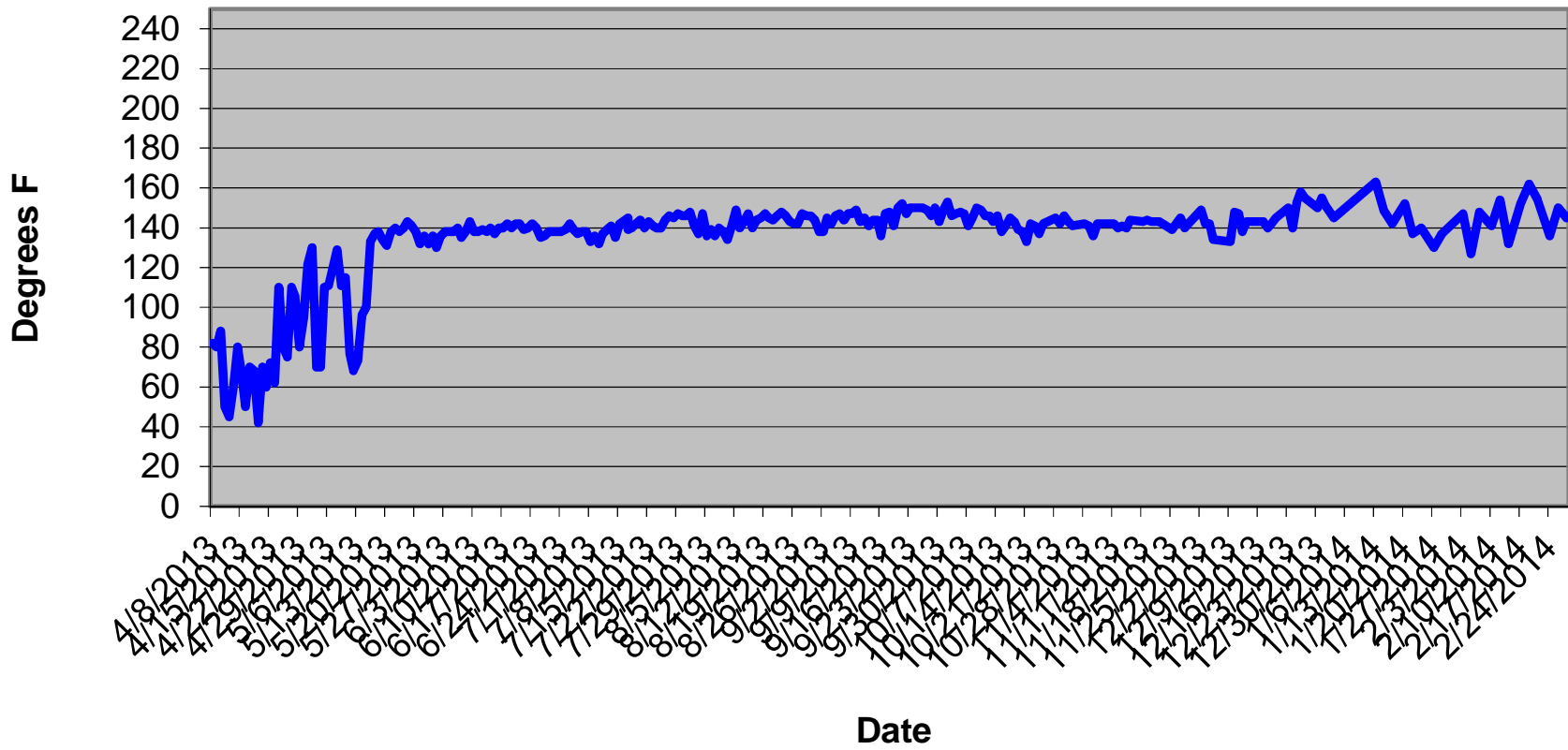
Wellhead Temp. (F)

GIW-12 Wellhead Temperatures



Wellhead Temp. (F)

GIW-13 Wellhead Temperatures



Wellhead Temp. (F)