

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**

April 29, 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. Options for pumping from this location are currently under review.

Measurement devices are currently being evaluated for use in LCS-3D and -1.

Temperature Monitoring Probe Analytical Charts

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

The results of the first phase of the field investigation have been included in the analytical charts. Field tests on TMP-7 and -13 showed no reliable units within the probe.

TMP-14 measured a slight increase at shallow distances from the ground surface.

Two unit depths were repaired and deemed reliable in TMP-5.

Additional testing has been scheduled for this week and will be presented in the next report.

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.

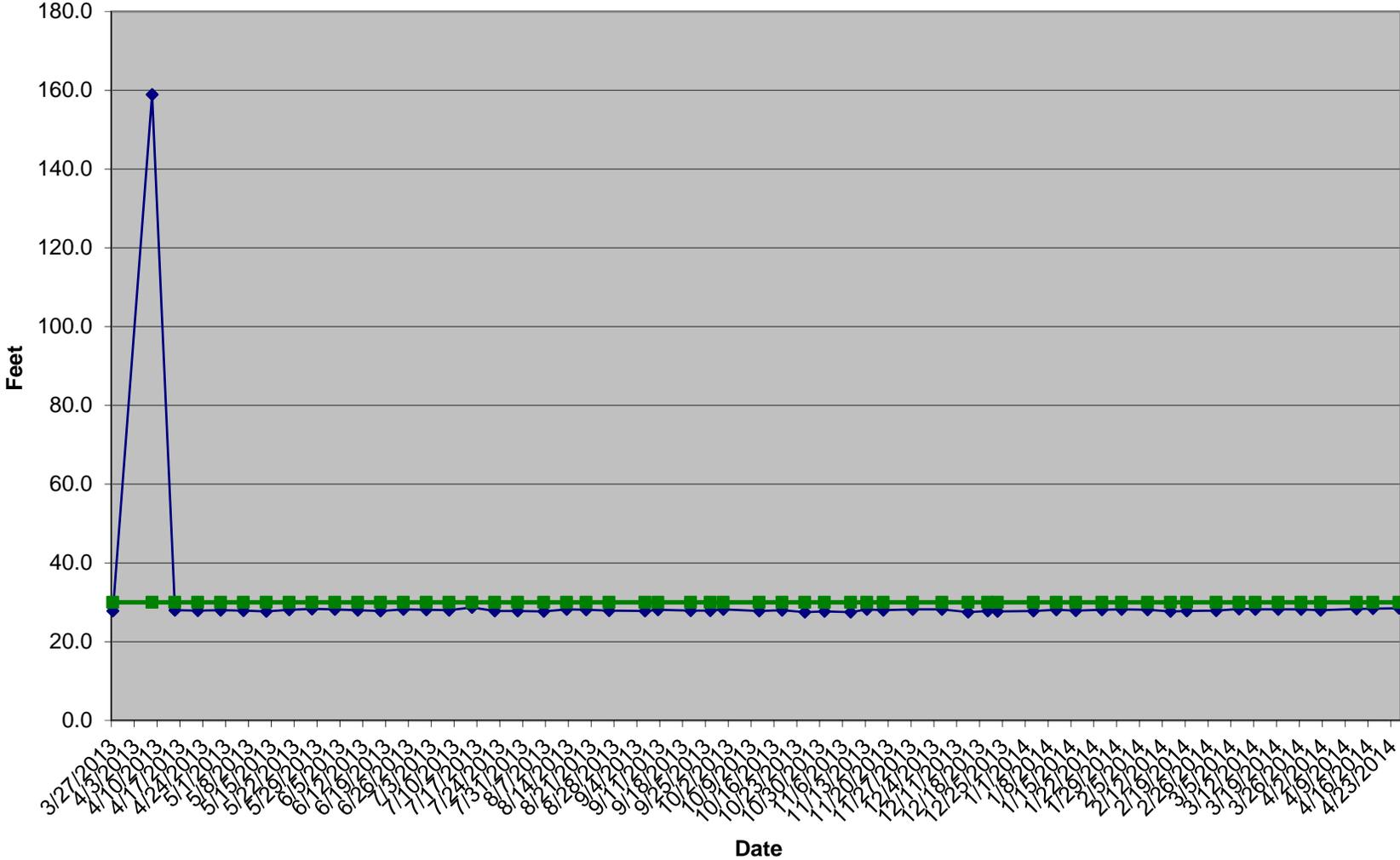
All gas interceptor wells remained relatively consistent or lower with regards to gas wellhead temperature measured at each location.

The water circulation cooling loop is currently installed in GIW-4. The cooling loop was operational during the reporting period.

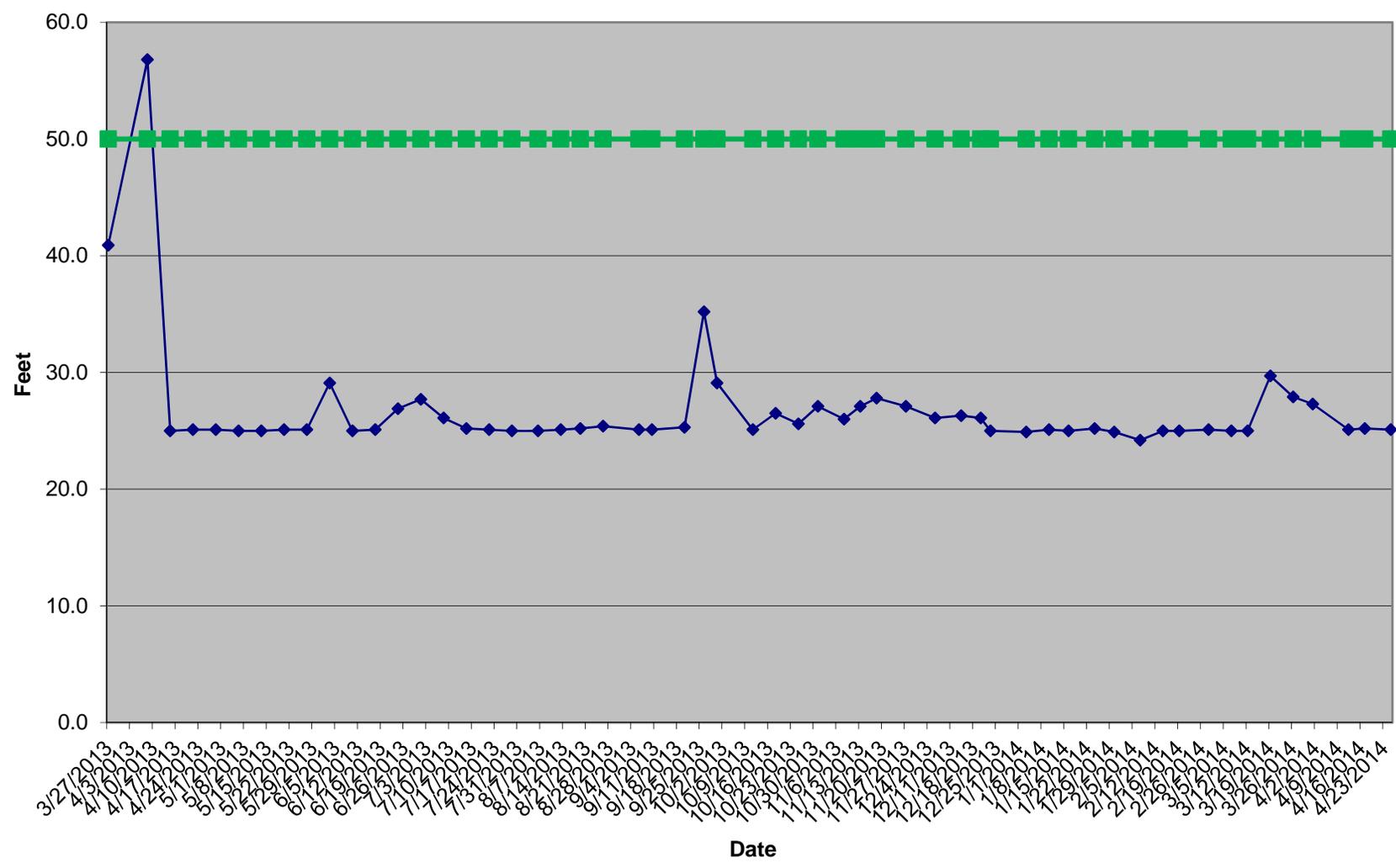
ATTACHMENT A

LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS

LCS-2D Liquid Level Above Quarry Floor

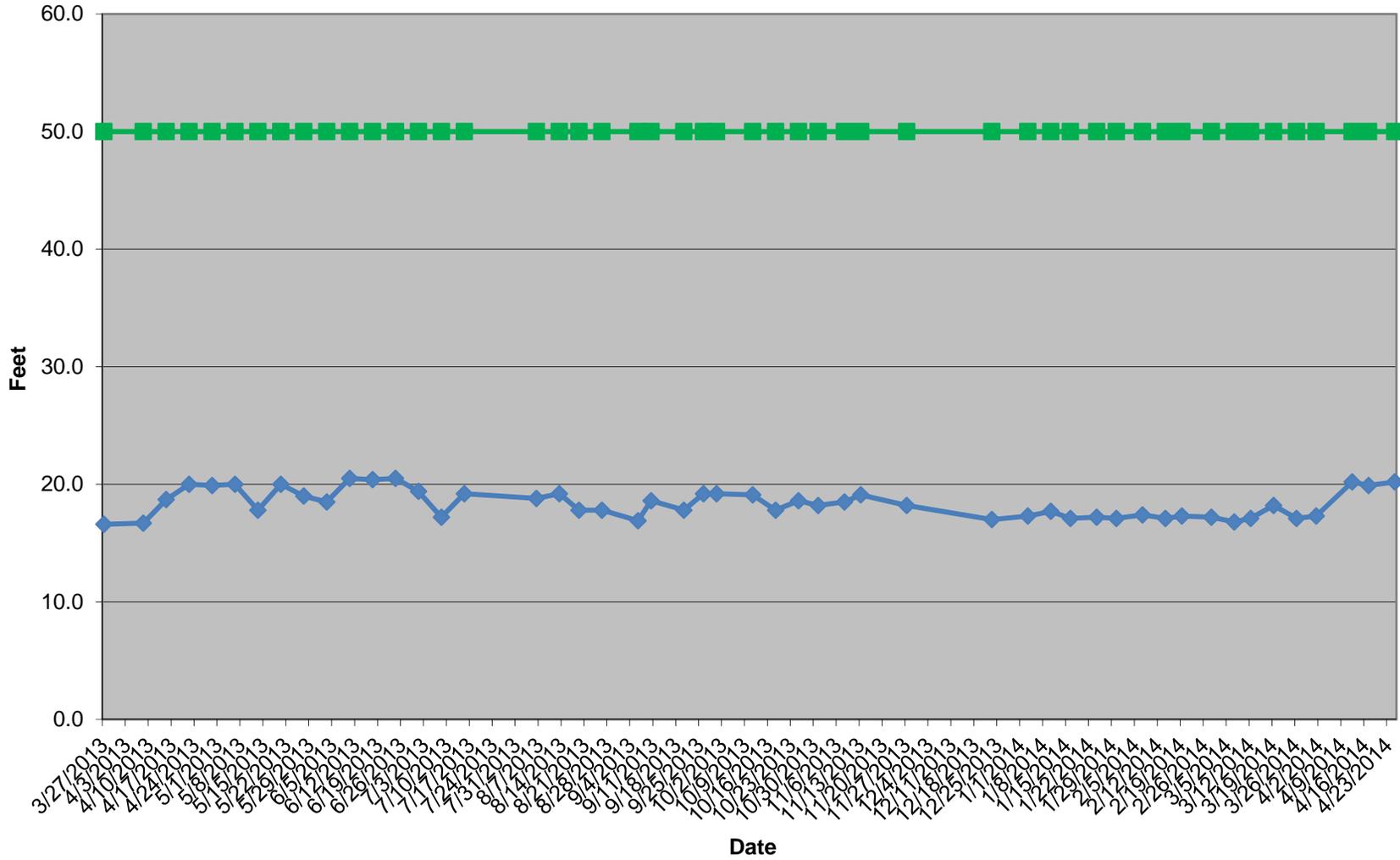


LCS-5A Liquid Level Above Quarry Floor



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

LCS-6B Liquid Level Above Quarry Floor

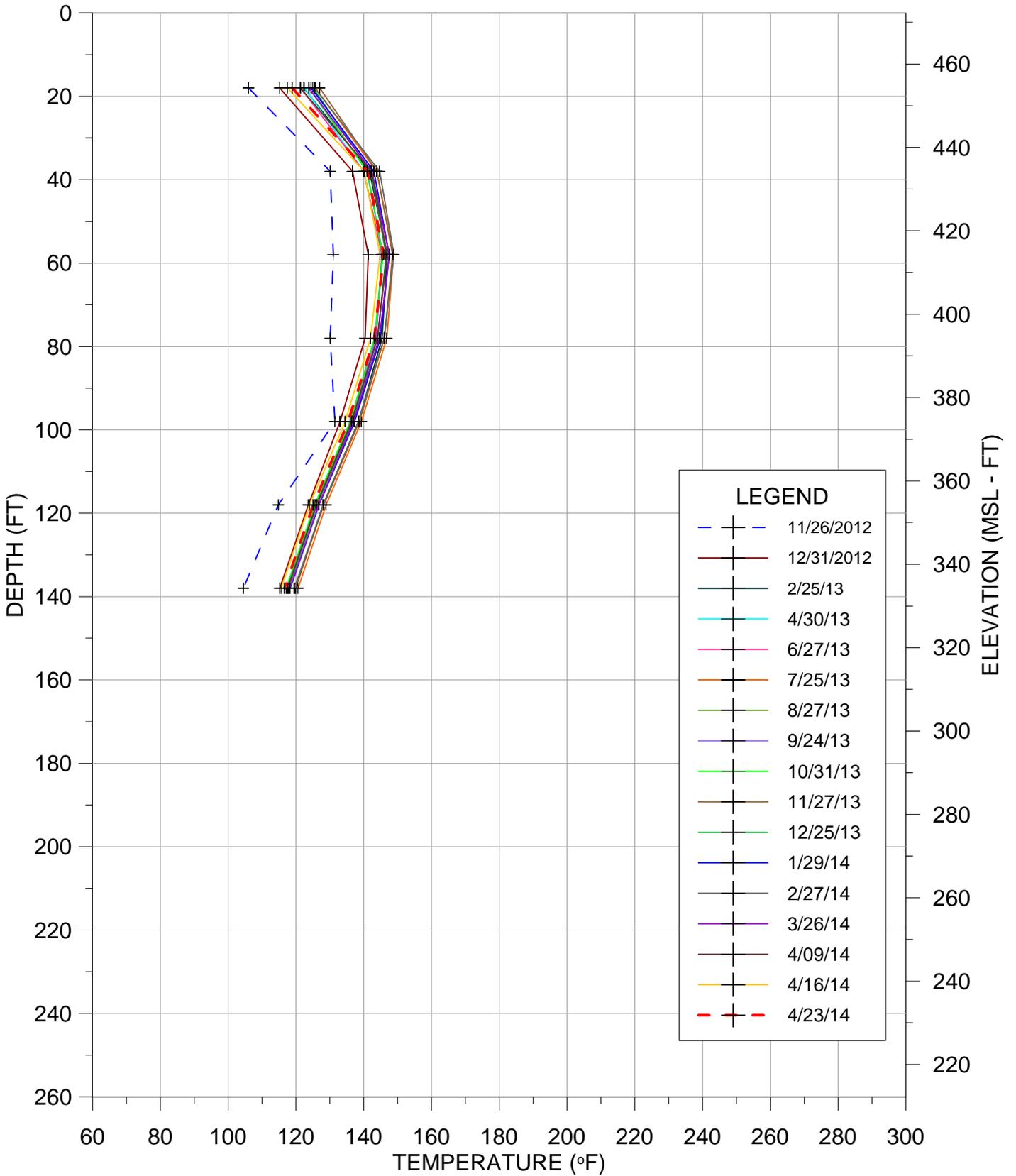


—◆— Height of Liquid (Ft.) —■— Compliance Level (Ft. Above Quarry Floor)

ATTACHMENT B

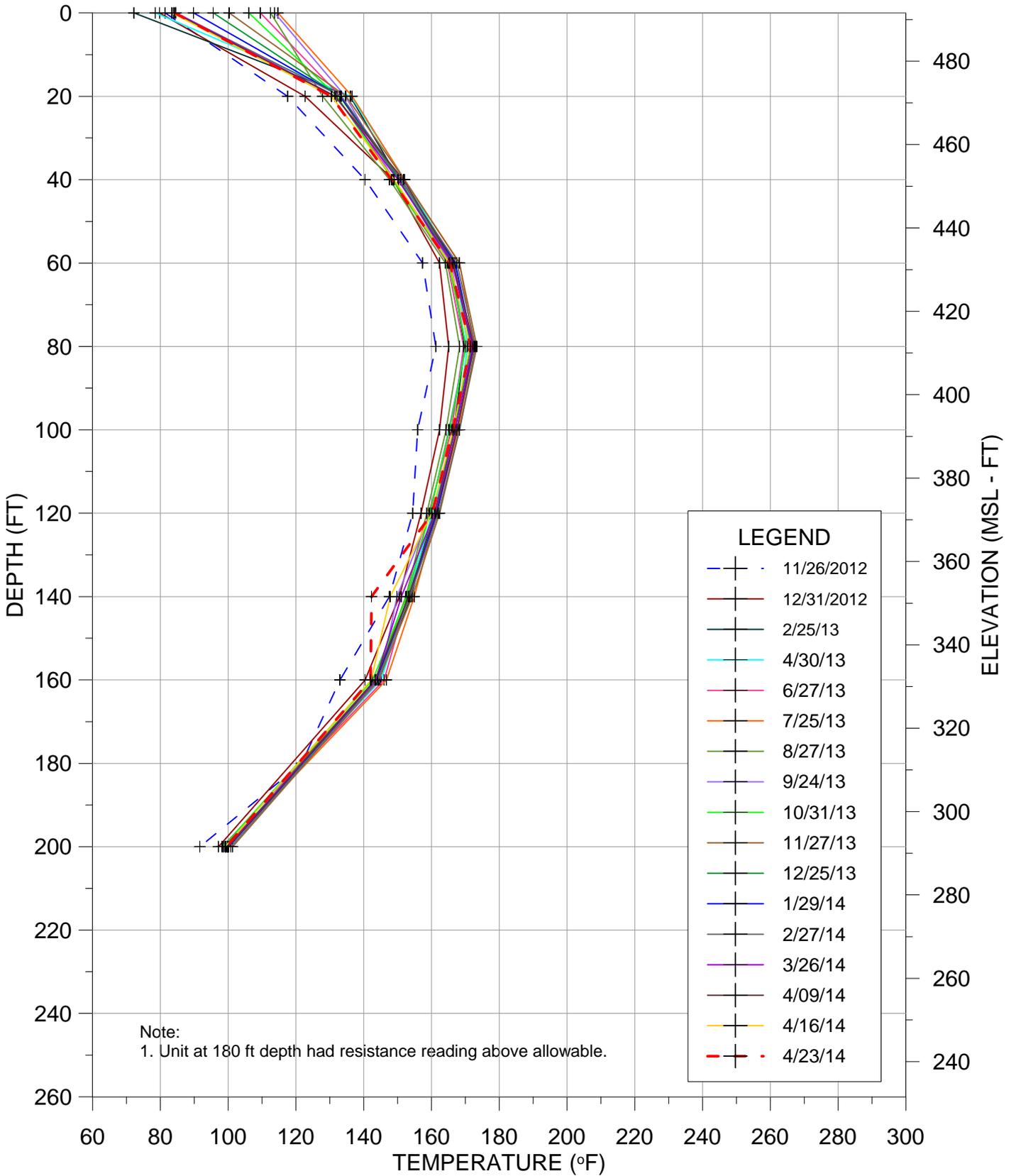
TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS

TMP-1



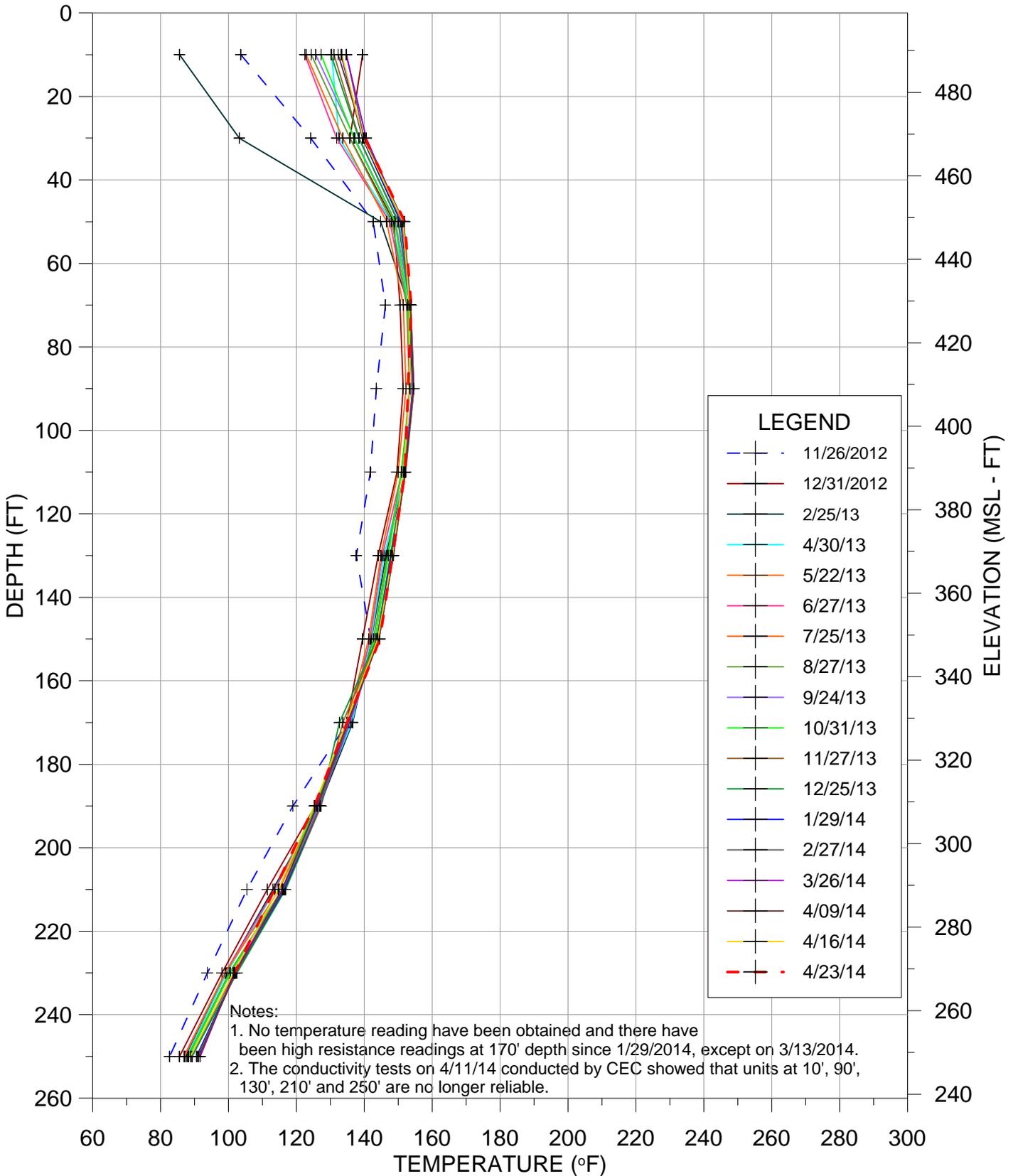
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-2



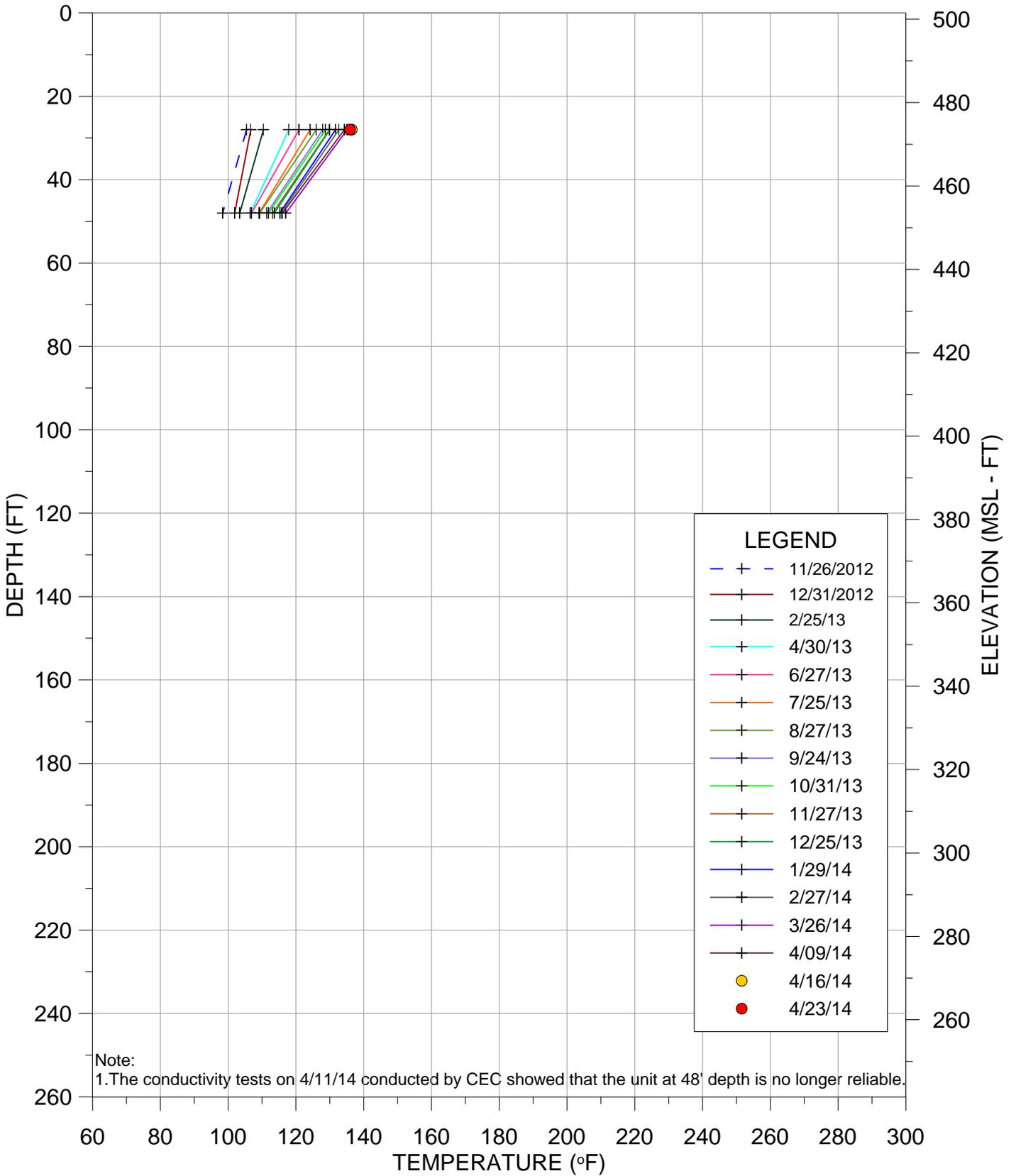
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-3



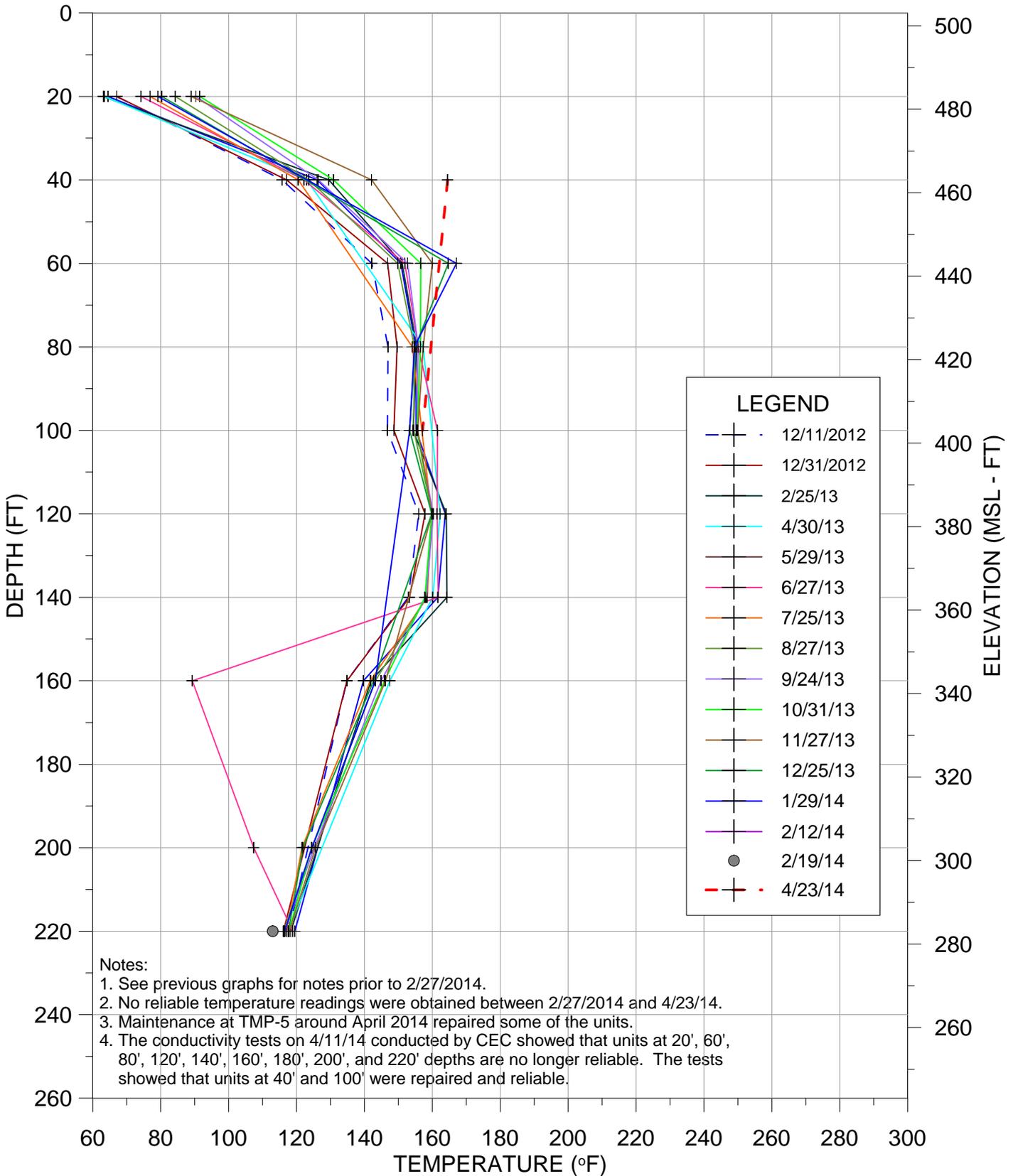
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-4



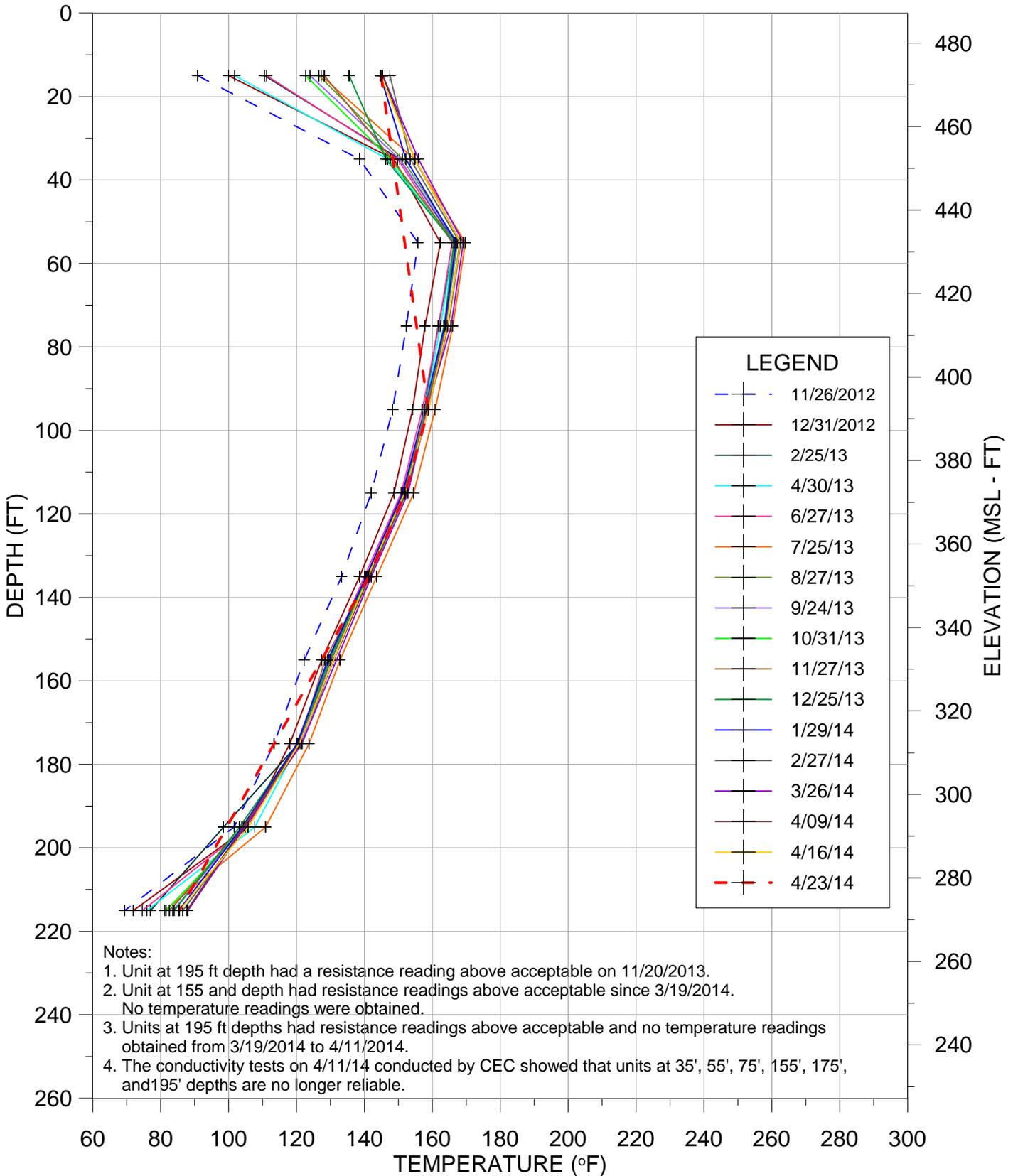
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-5



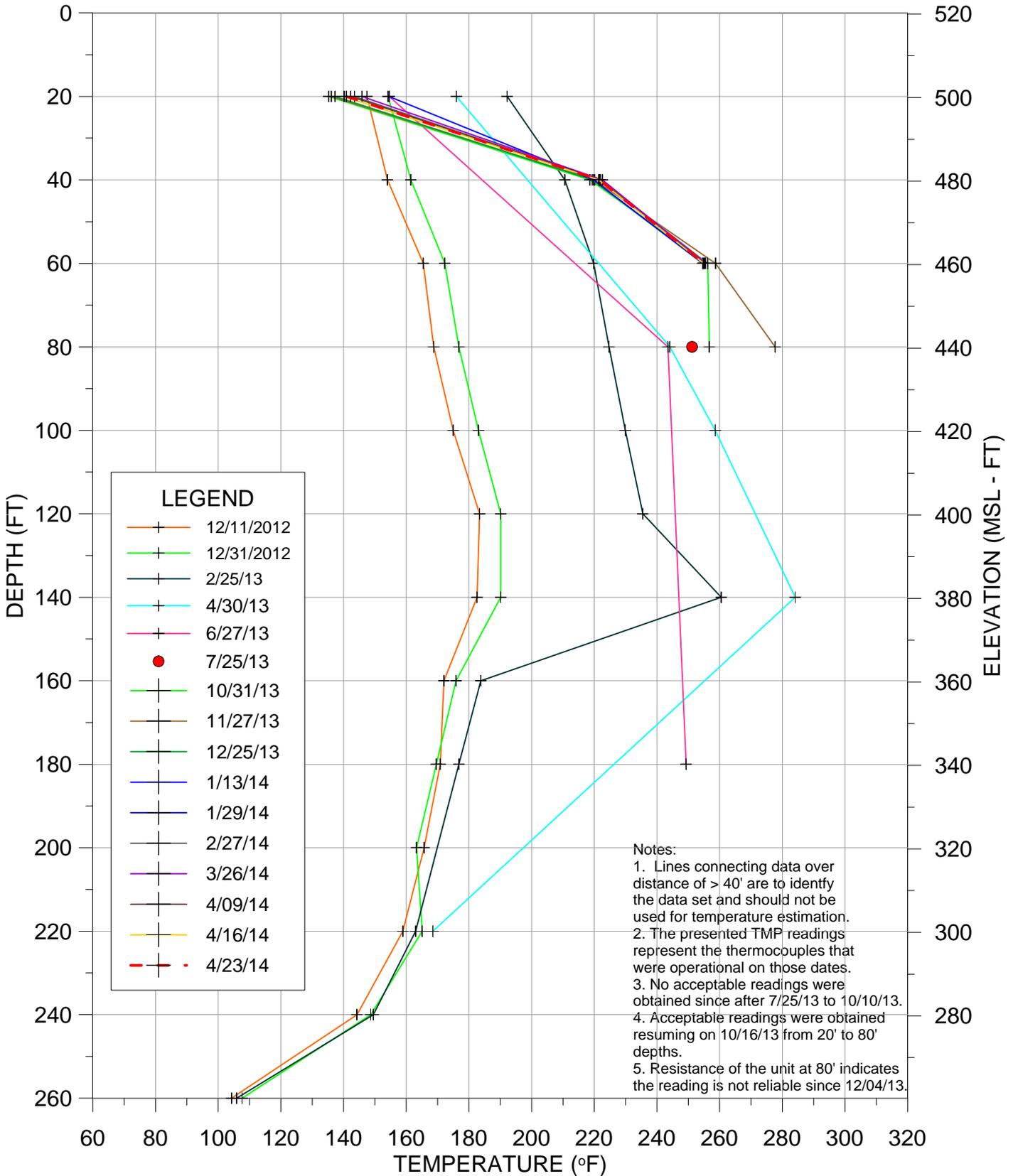
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-6



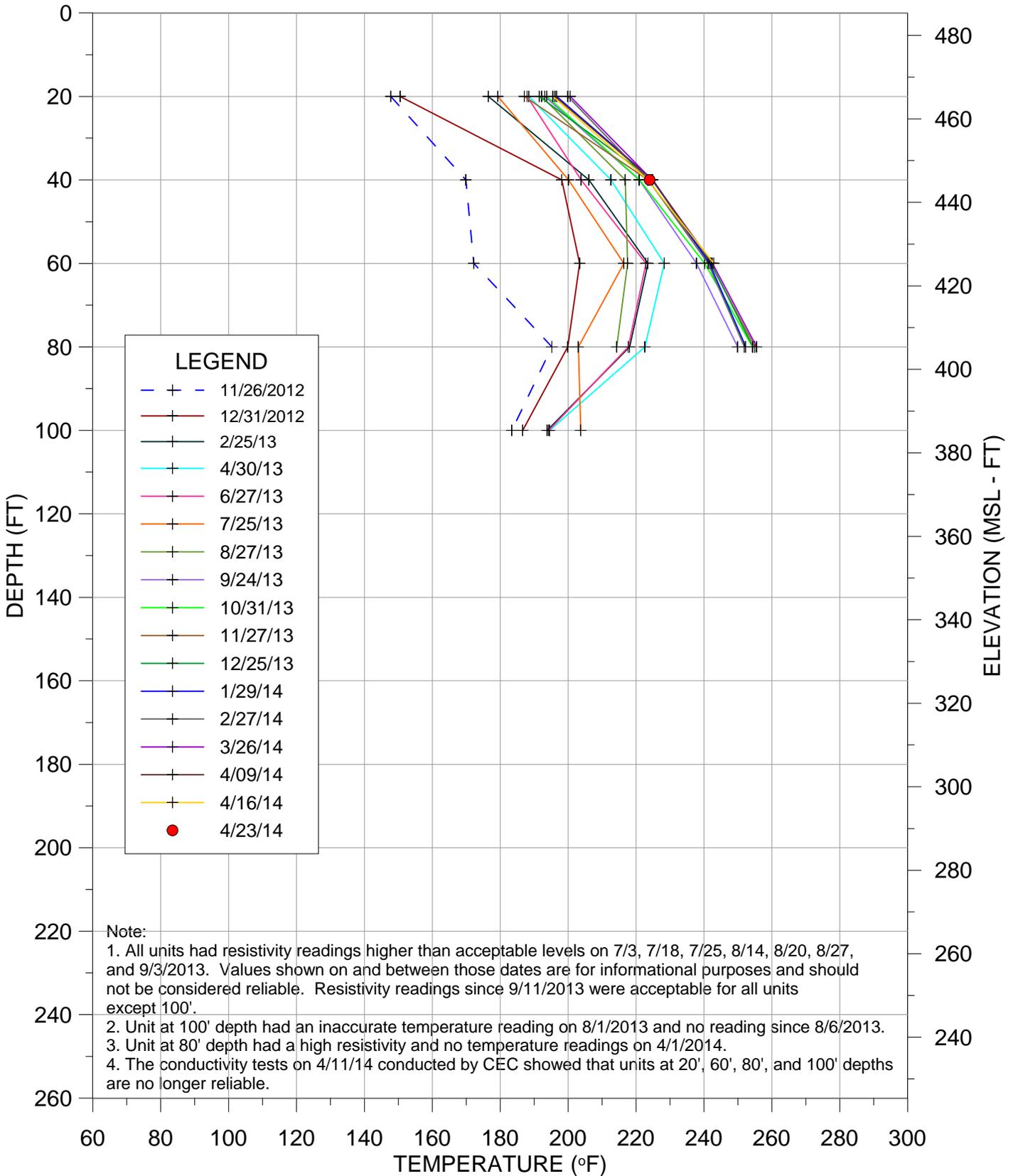
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-8



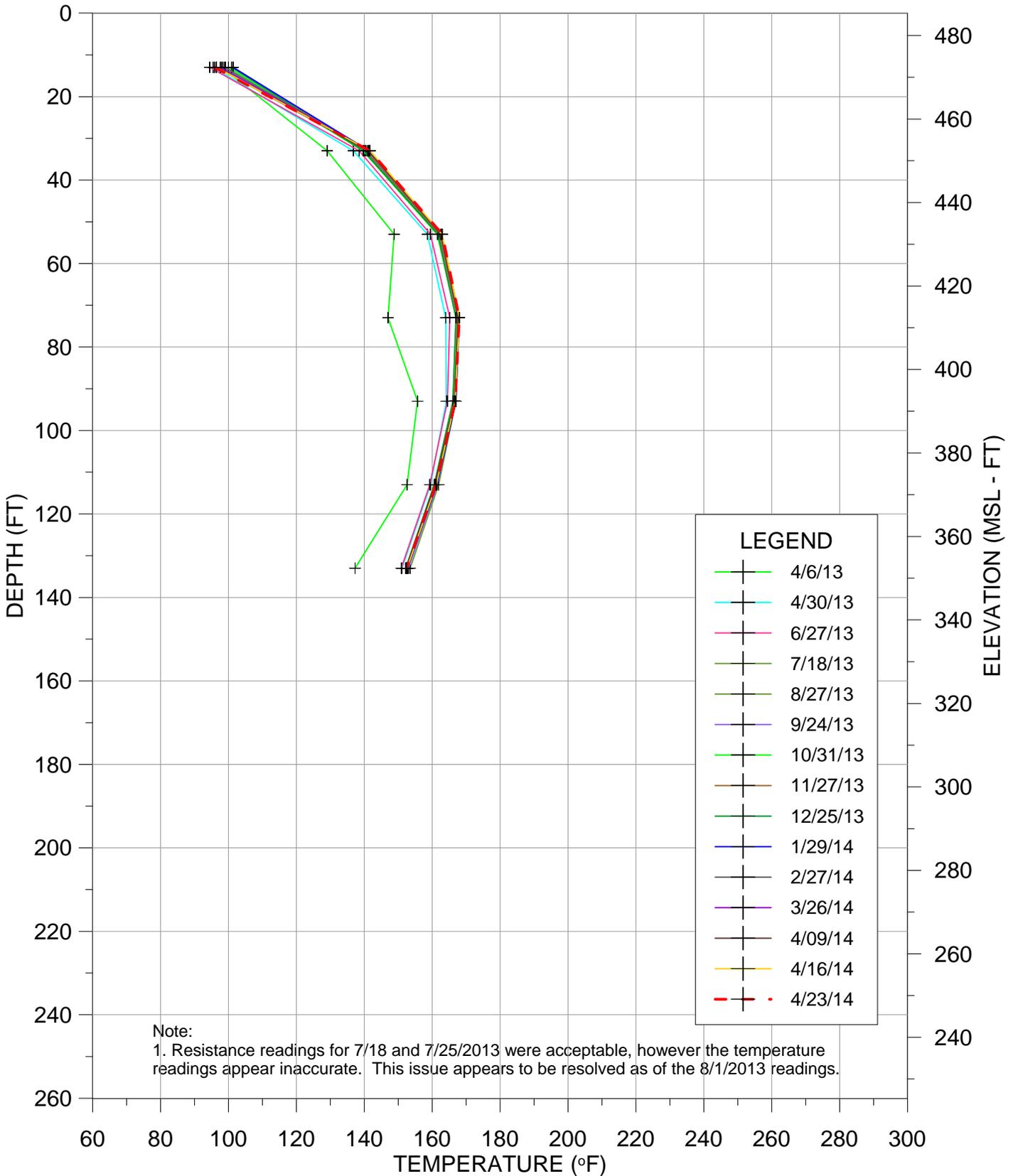
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-9



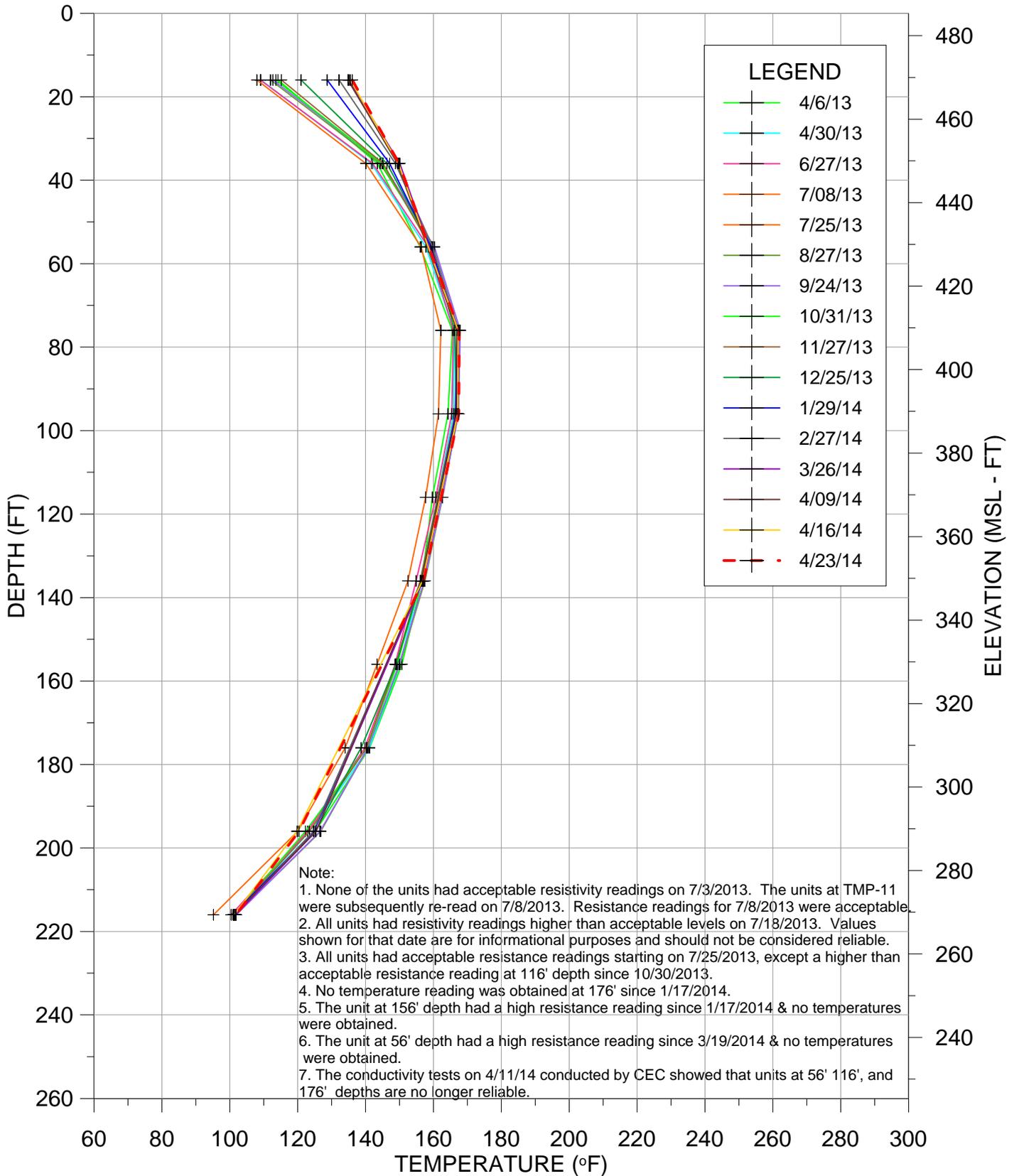
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-10



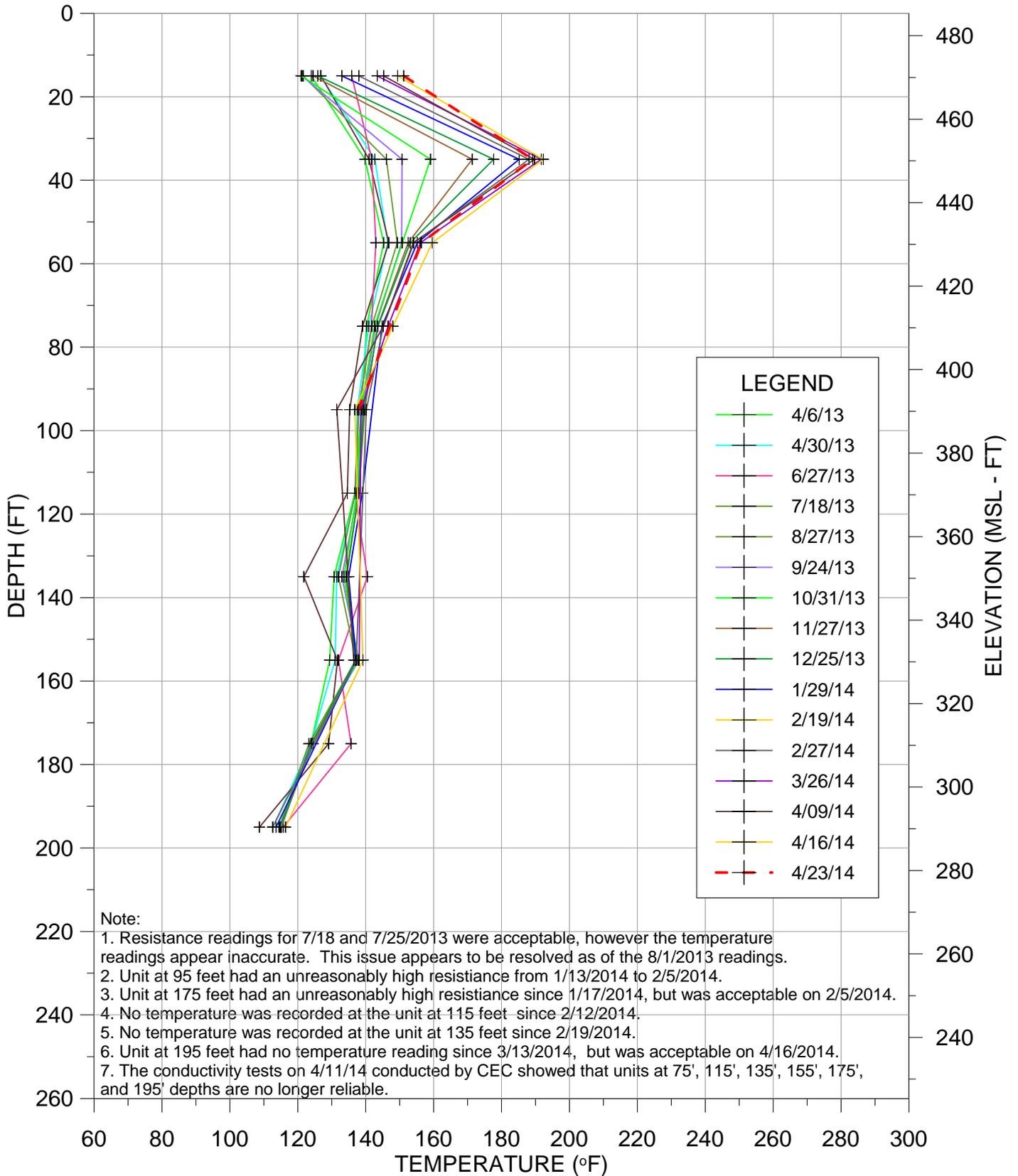
TEMPERATURE VS DEPTH
 BRIDGETON LANDFILL

TMP-11



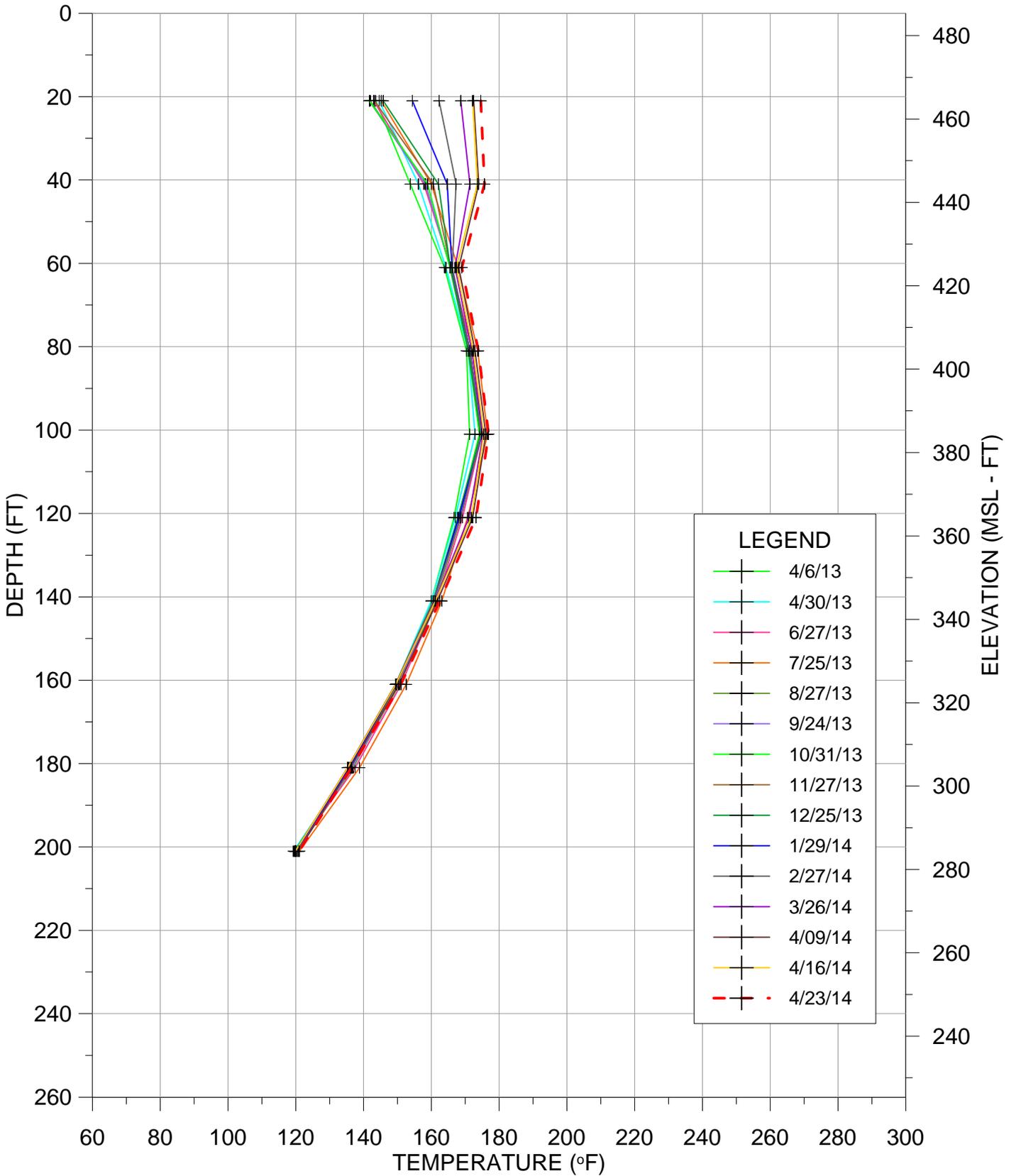
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-12



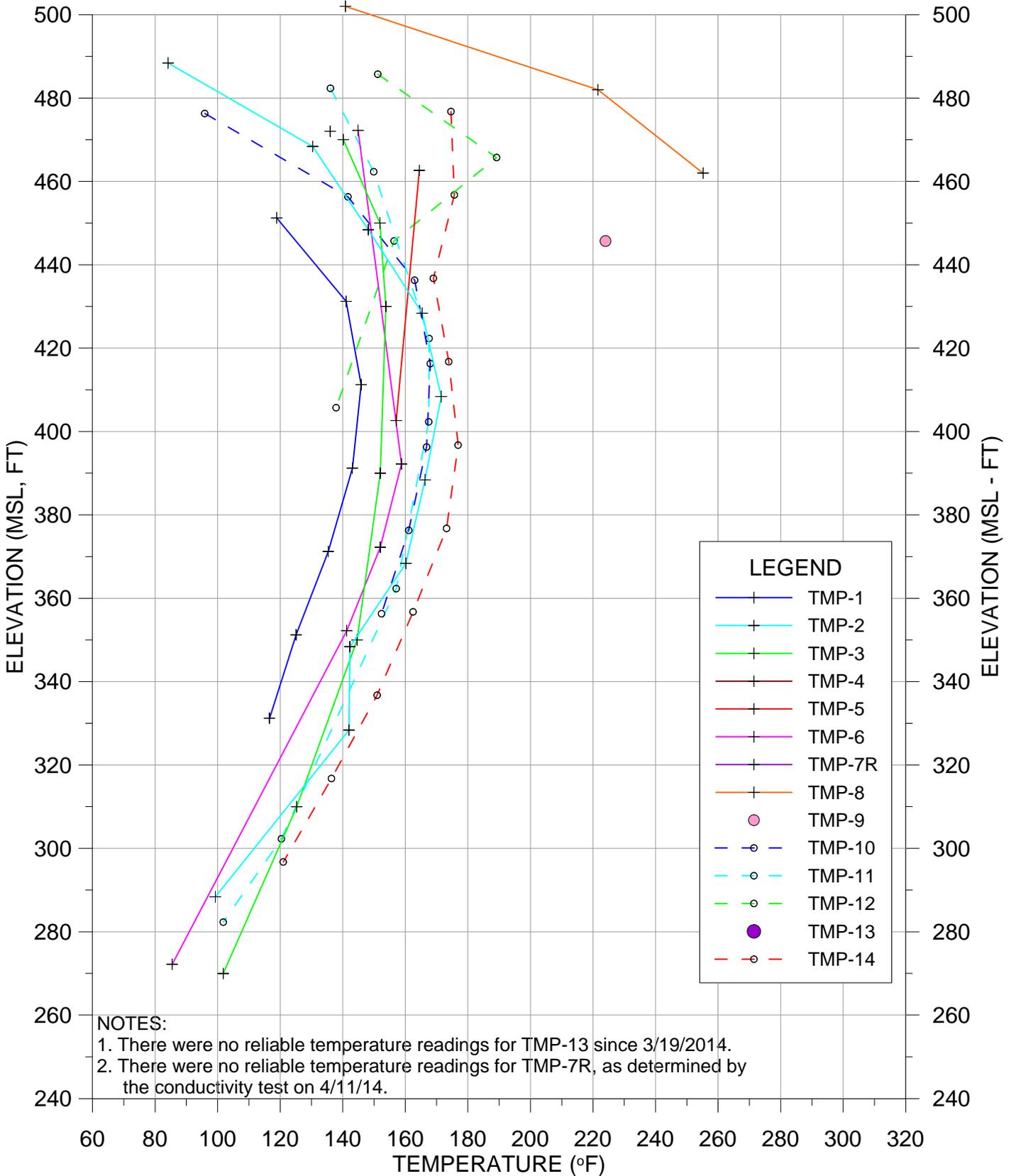
TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

TMP-14



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

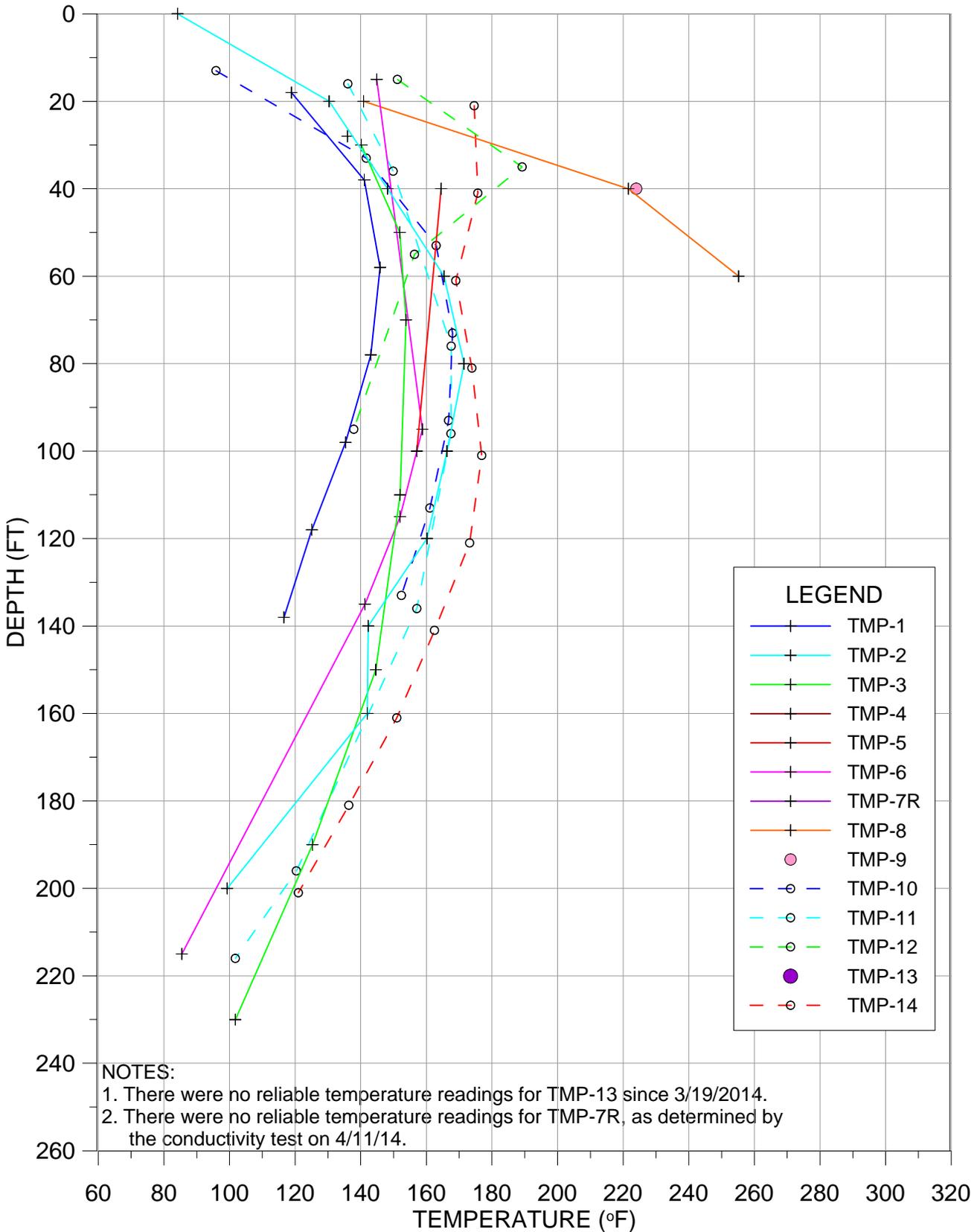
04/23/2014 - ELEVATION



NOTES:

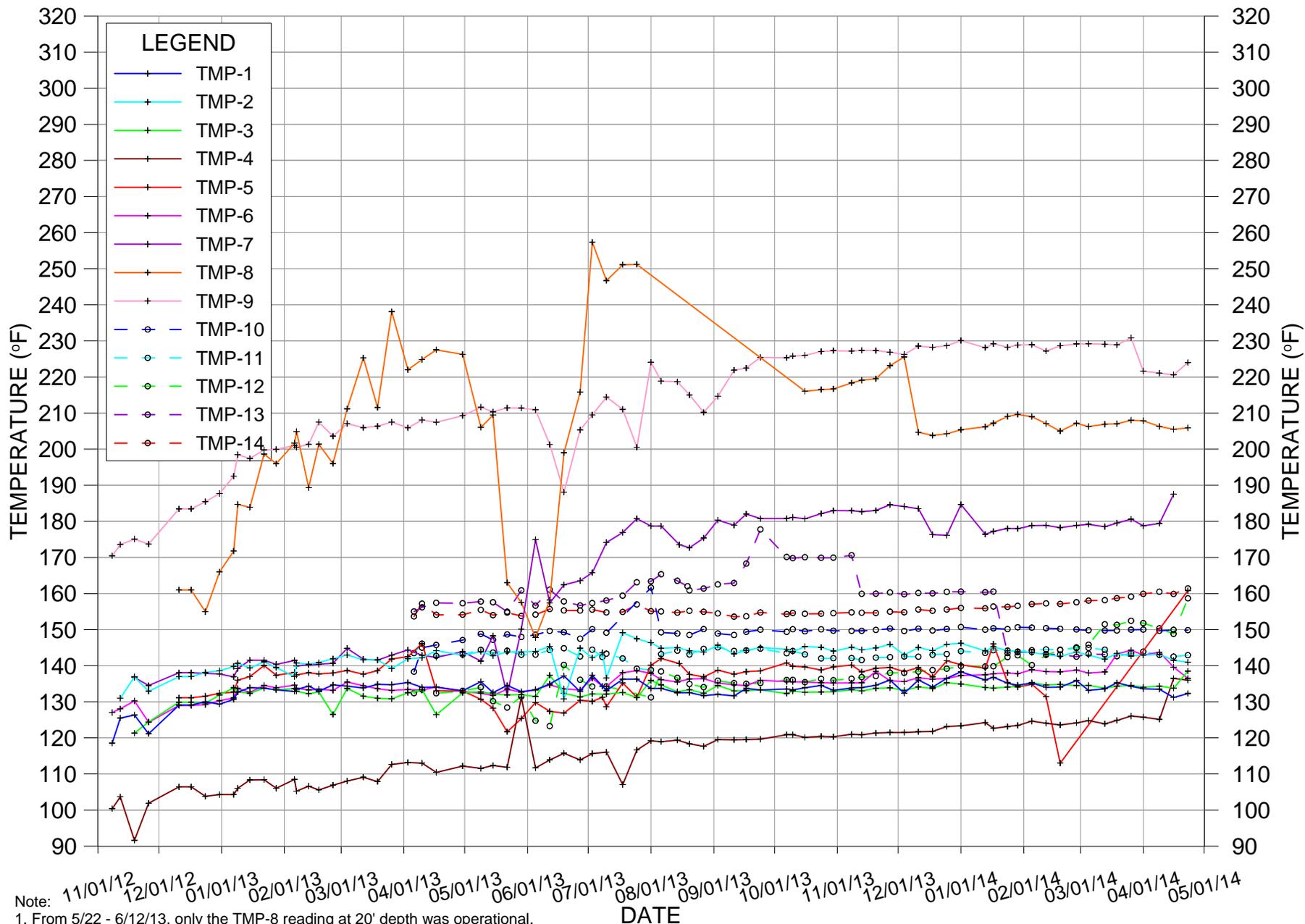
1. There were no reliable temperature readings for TMP-13 since 3/19/2014.
2. There were no reliable temperature readings for TMP-7R, as determined by the conductivity test on 4/11/14.

04/23/2014 -DEPTH



TEMPERATURE VS DEPTH
BRIDGETON LANDFILL

AVERAGE TEMPERATURES

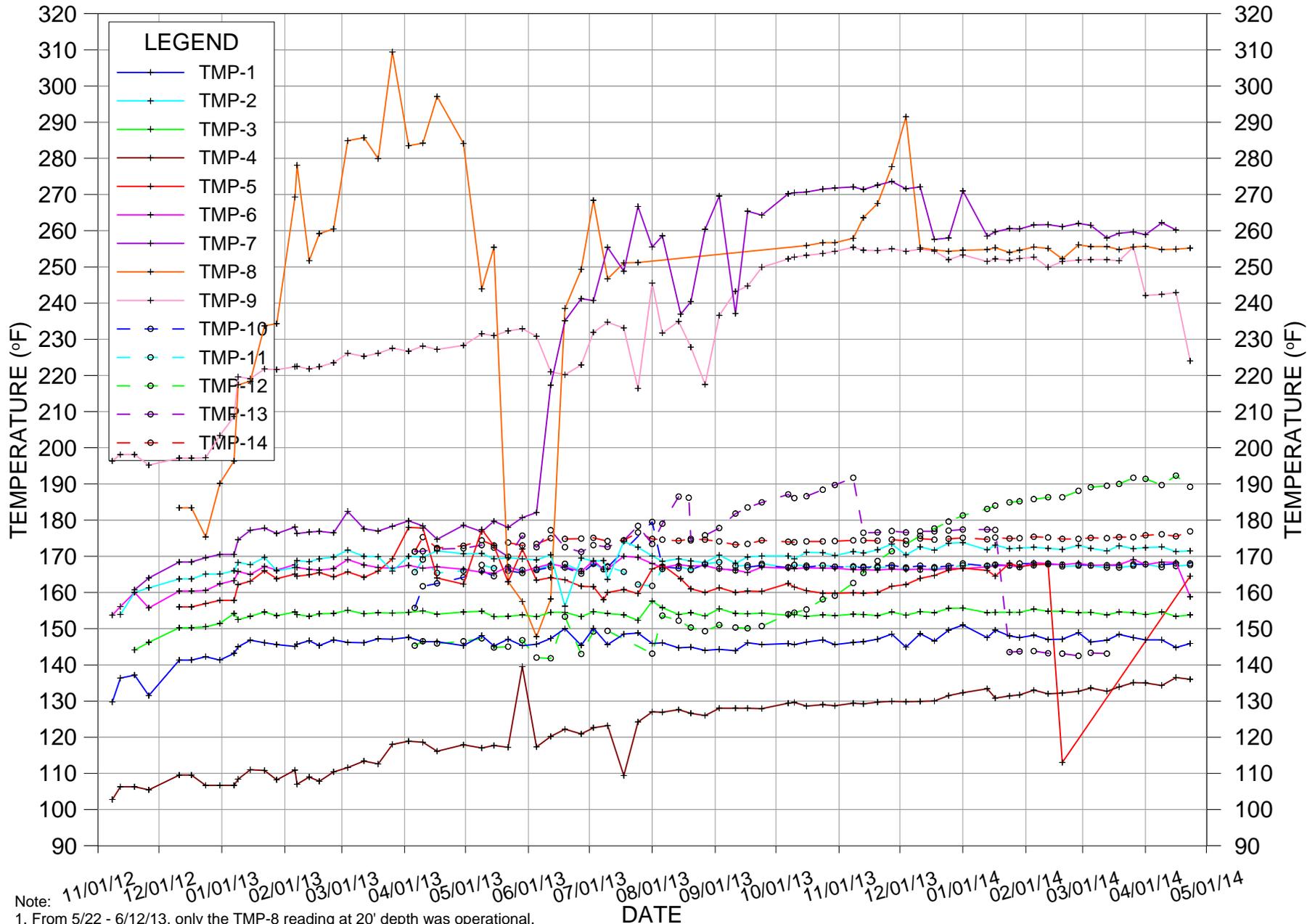


Note: 11/01/12 12/01/12 01/01/13 02/01/13 03/01/13 04/01/13 05/01/13 06/01/13 07/01/13 08/01/13 09/01/13 10/01/13 11/01/13 12/01/13 01/01/14 02/01/14 03/01/14 04/01/14 05/01/14

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 04/01/14 05/01/14

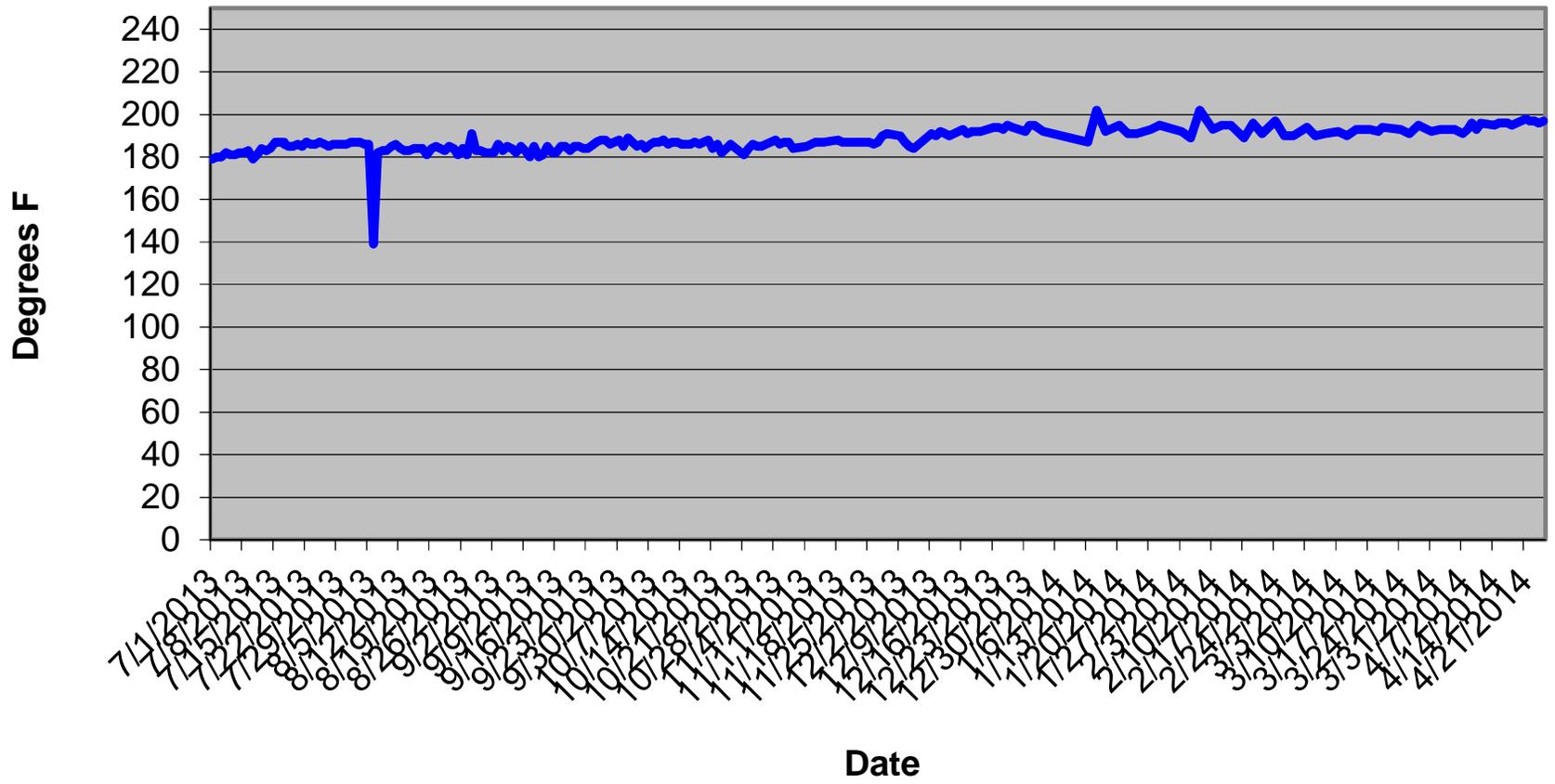
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TEMPERATURE VS TIME
BRIDGETON LANDFILL

ATTACHMENT C

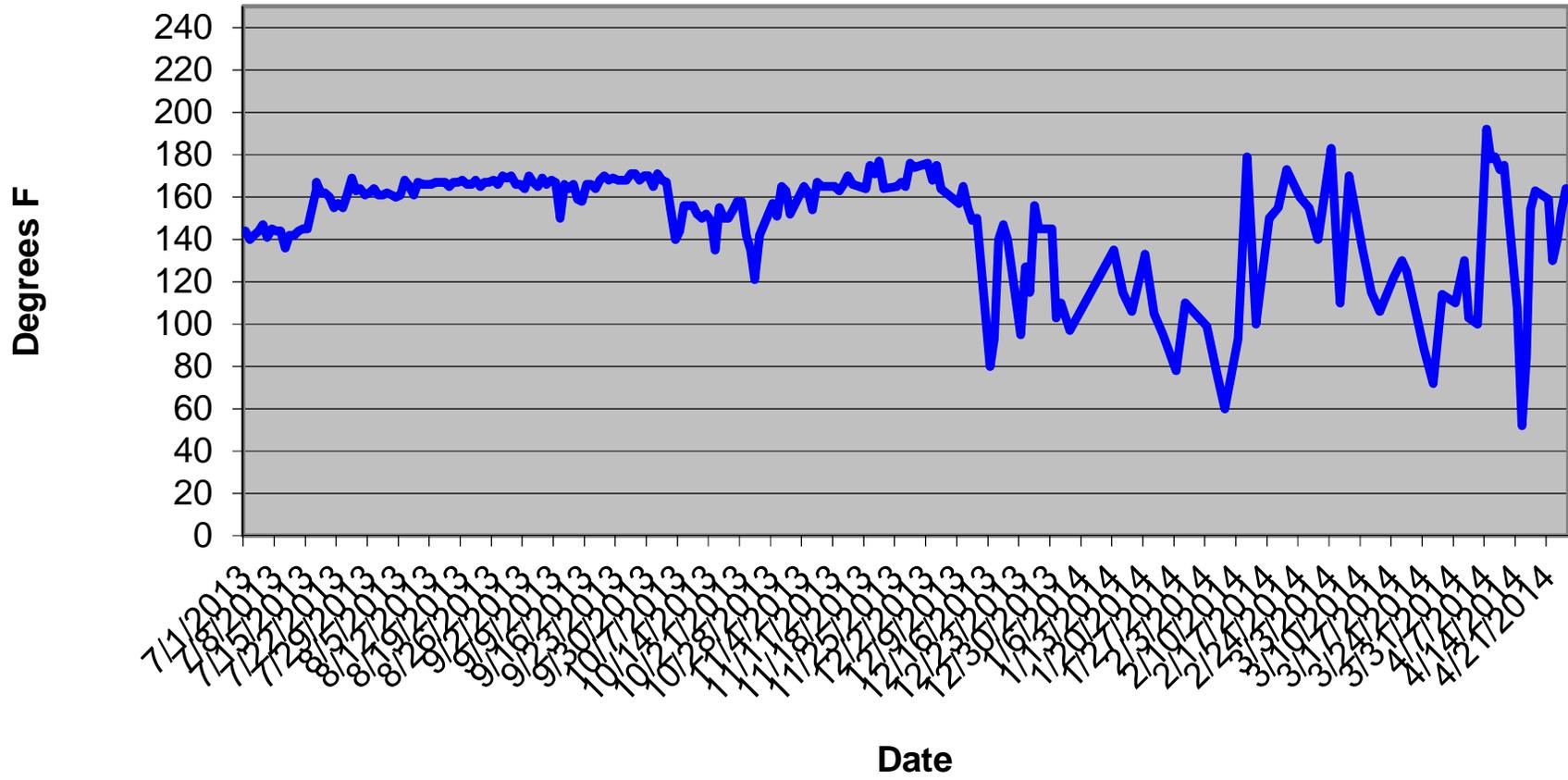
GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS

GIW-1 Wellhead Temperatures



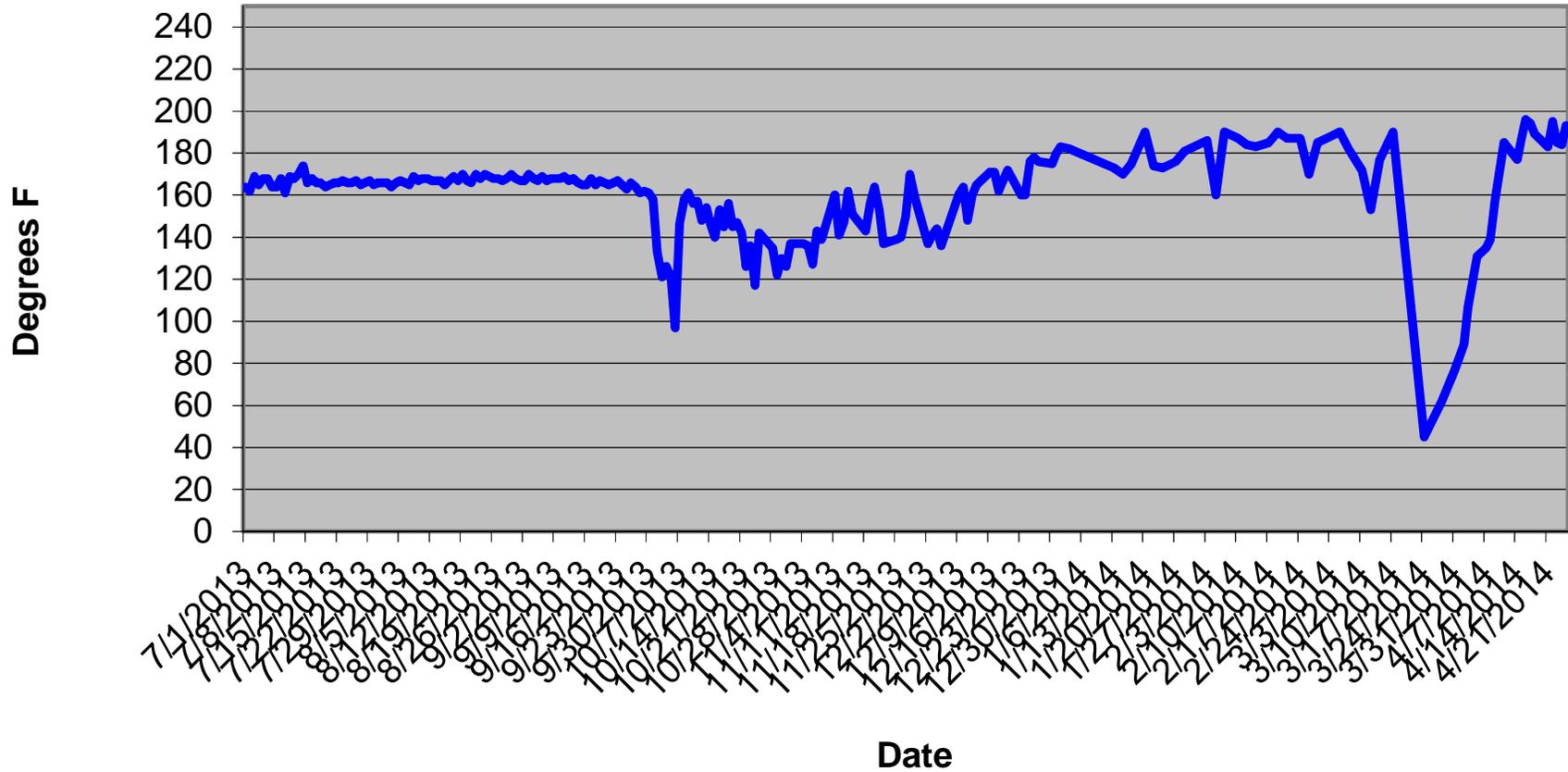
Wellhead Temp. (F)

GIW-2 Wellhead Temperatures



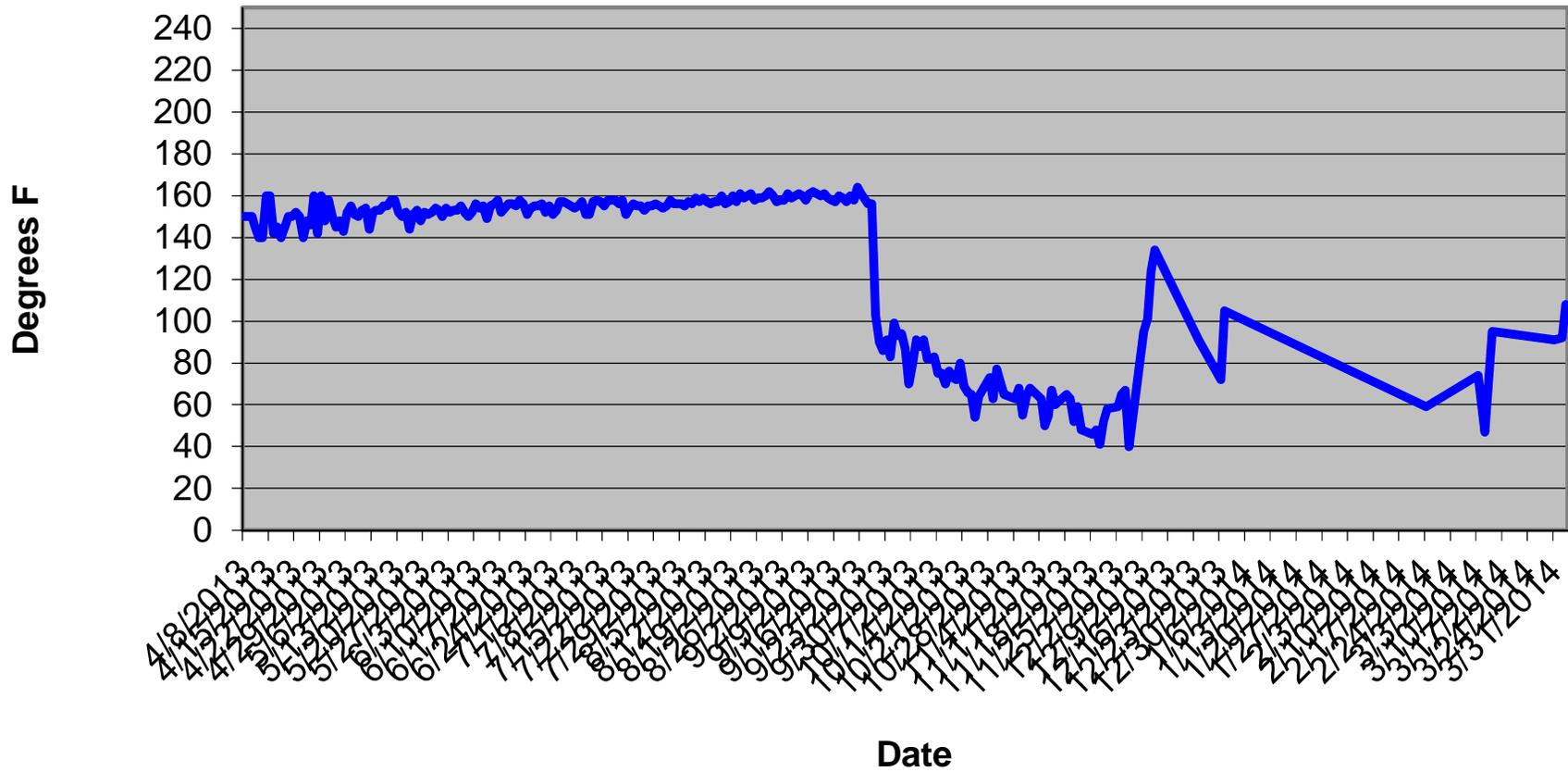
Wellhead Deg. F

GIW-3 Wellhead Temperatures



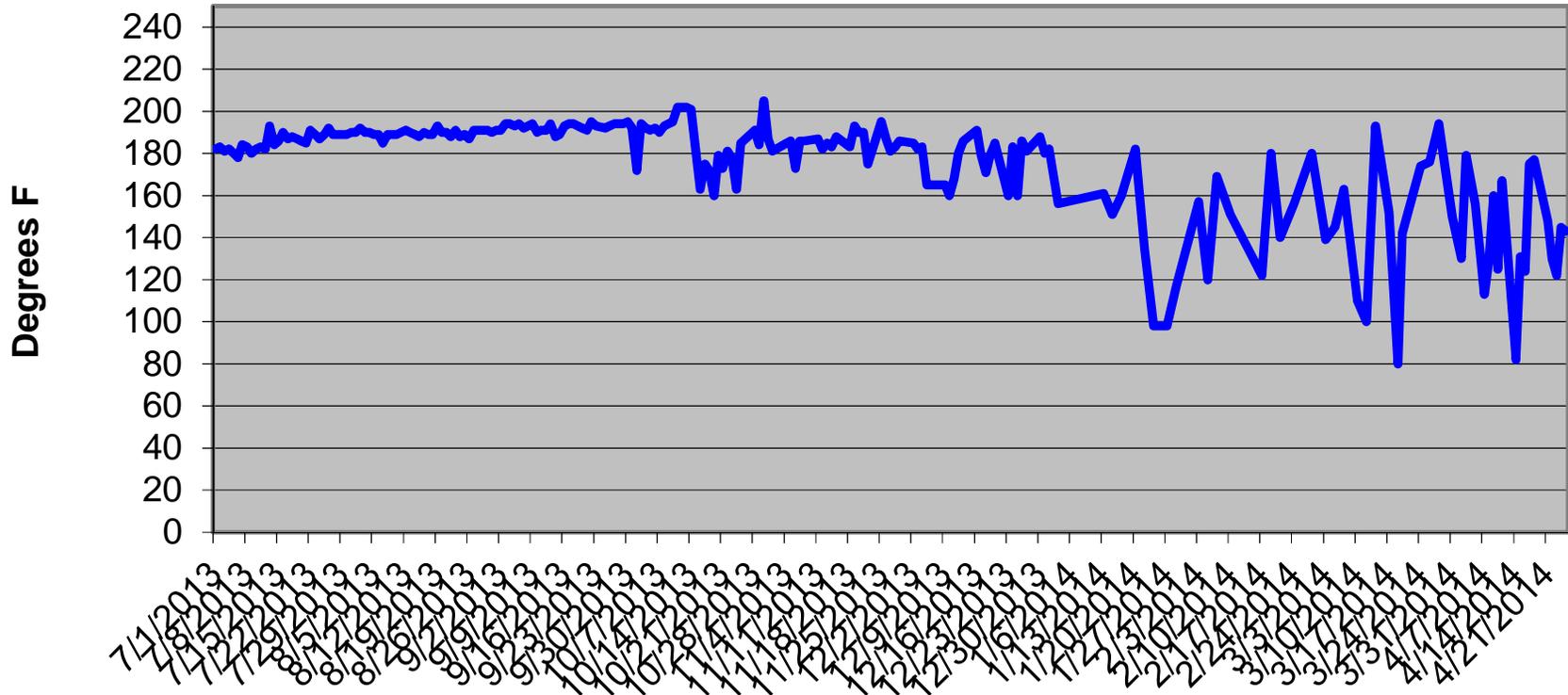
Wellhead Temp. (F)

GIW-4 Wellhead Temperatures



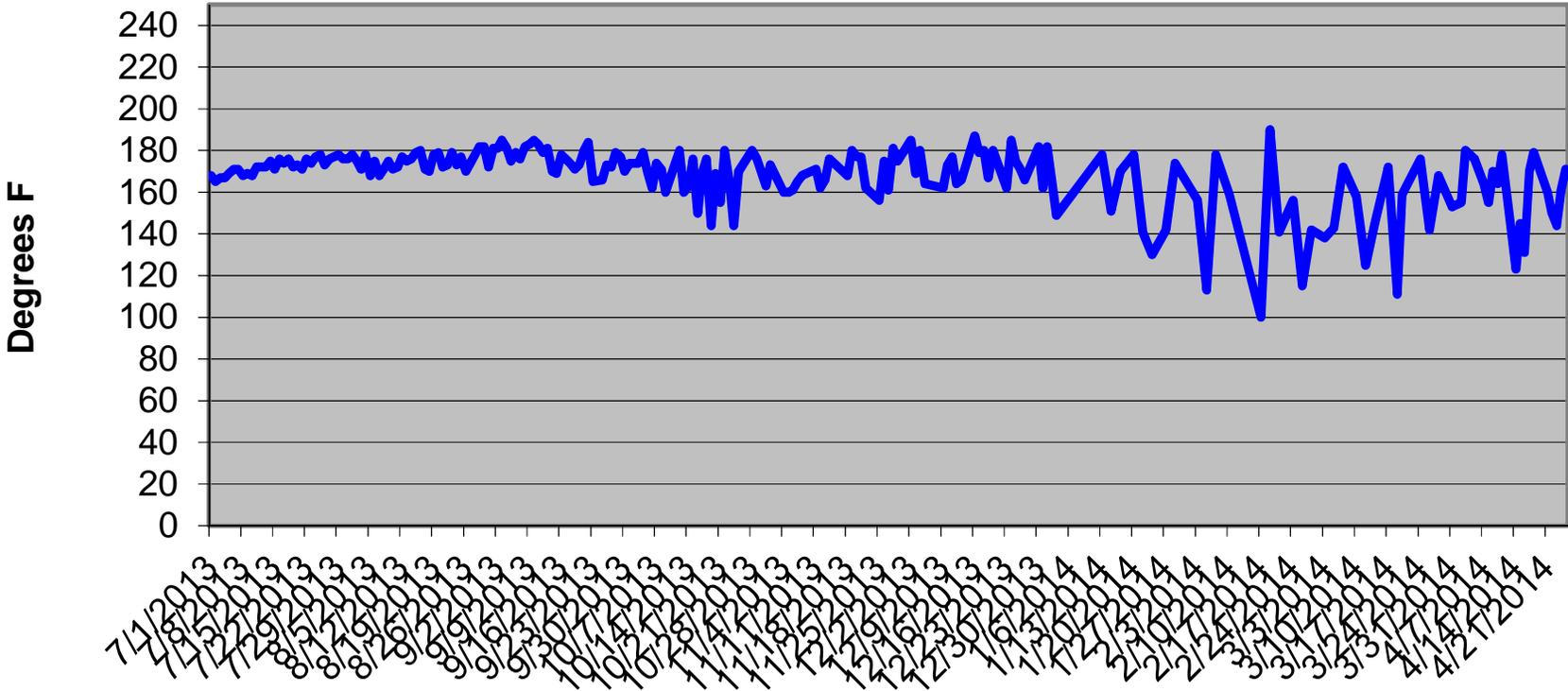
Wellhead Temp. (F)

GIW-5 Wellhead Temperatures



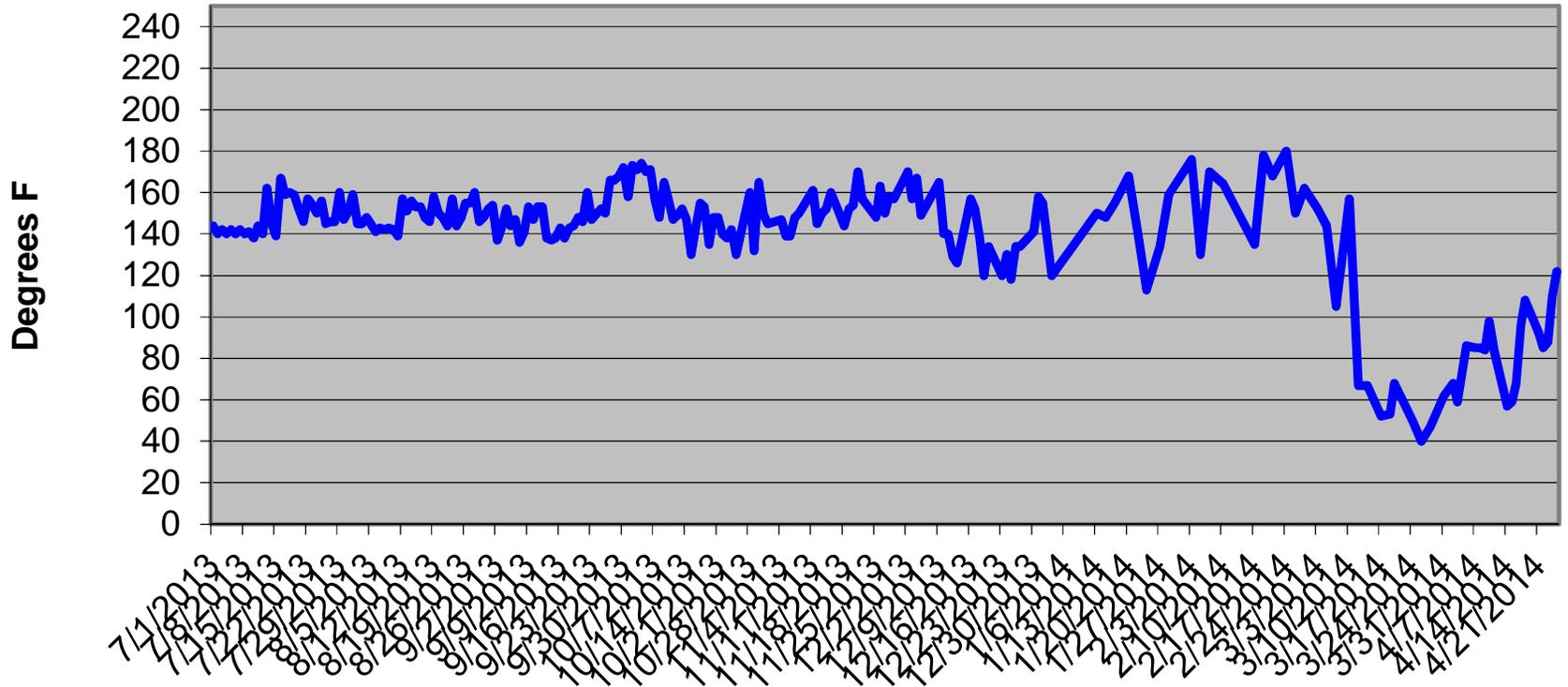
Wellhead Temp. (F)

GIW-6 Wellhead Temperatures



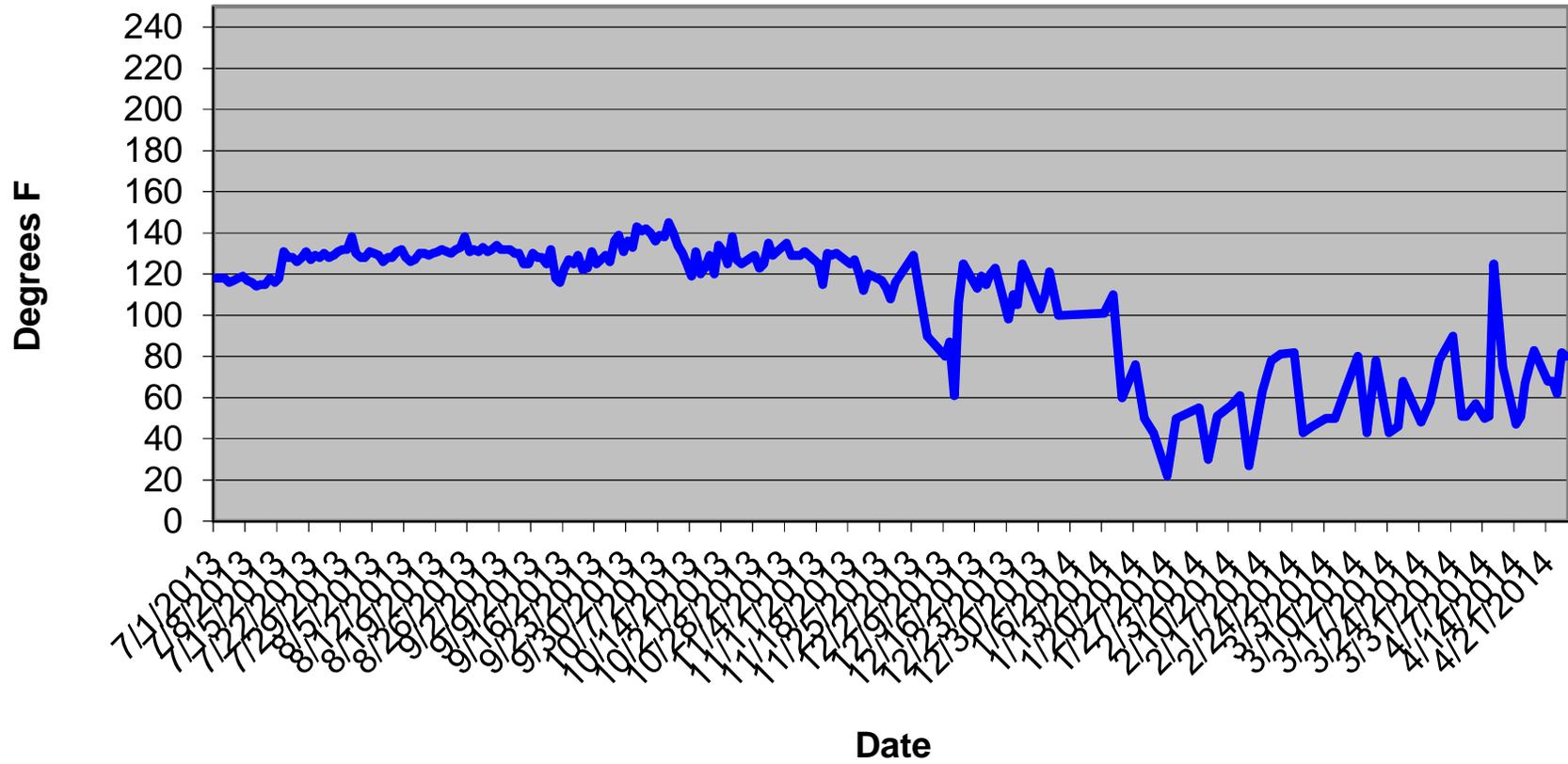
Wellhead Temp. (F)

GIW-7 Wellhead Temperatures



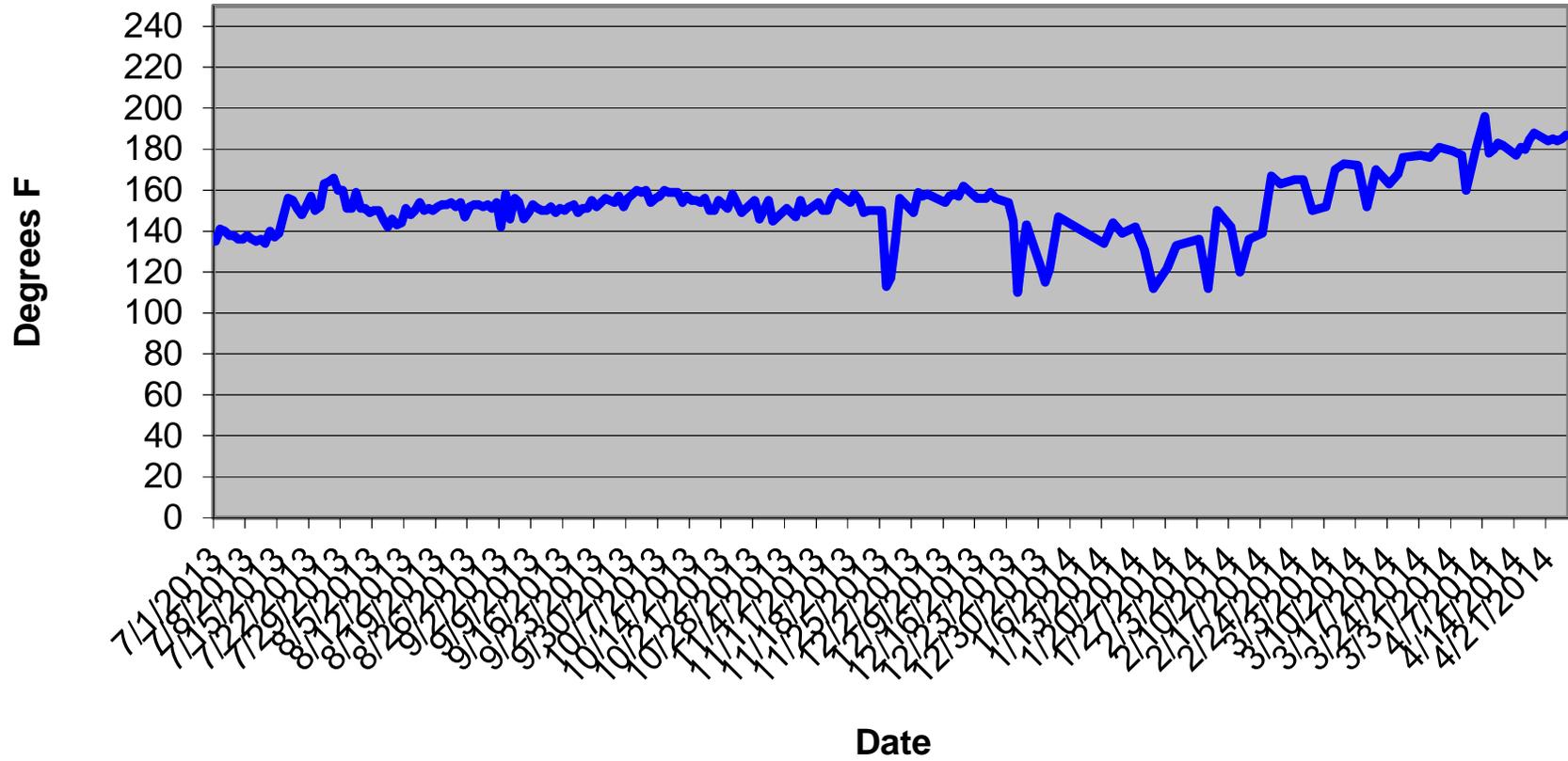
Wellhead Temp. (F)

GIW-8 Wellhead Temperatures



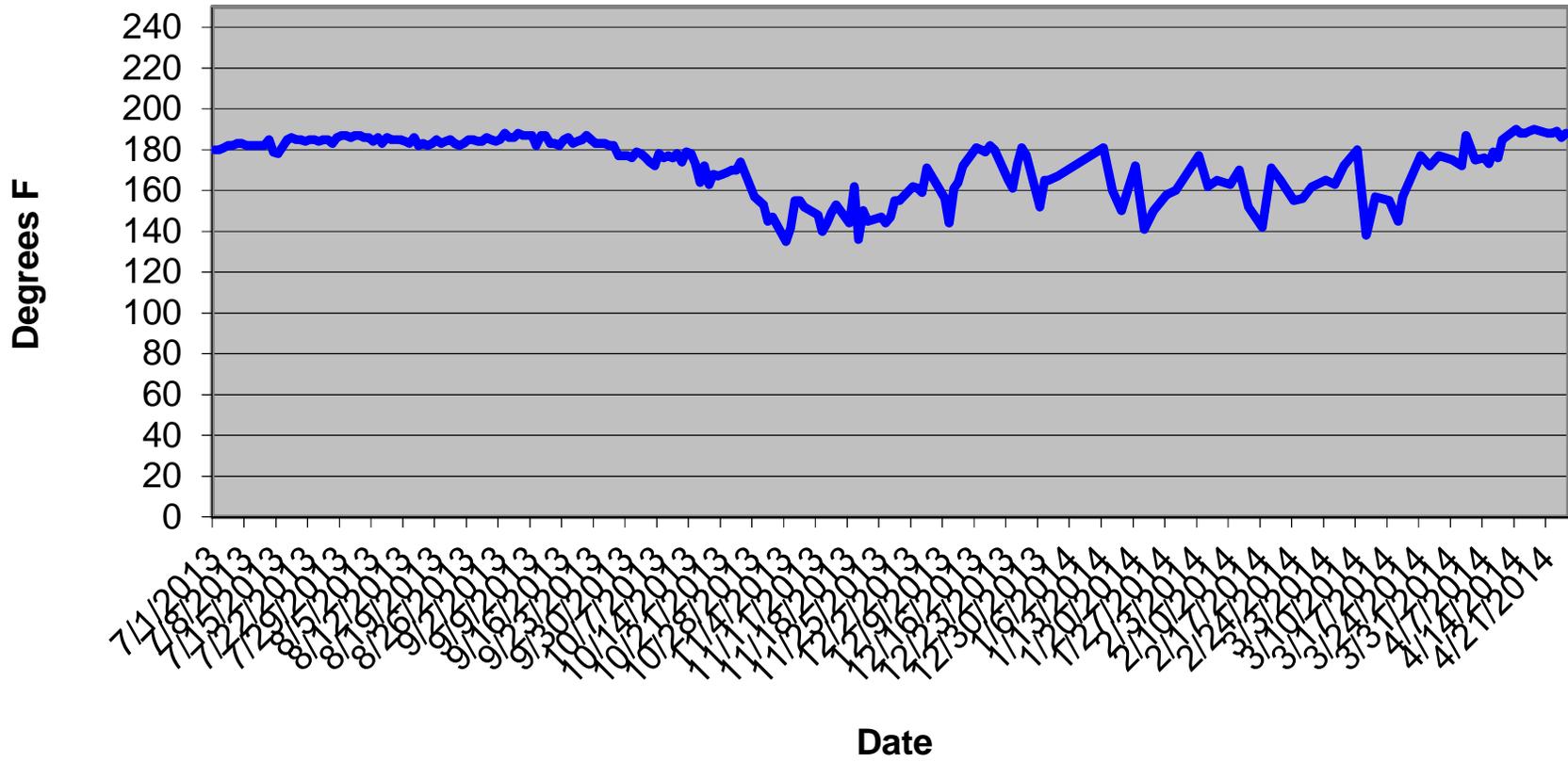
Wellhead Temp. (F)

GIW-9 Wellhead Temperatures



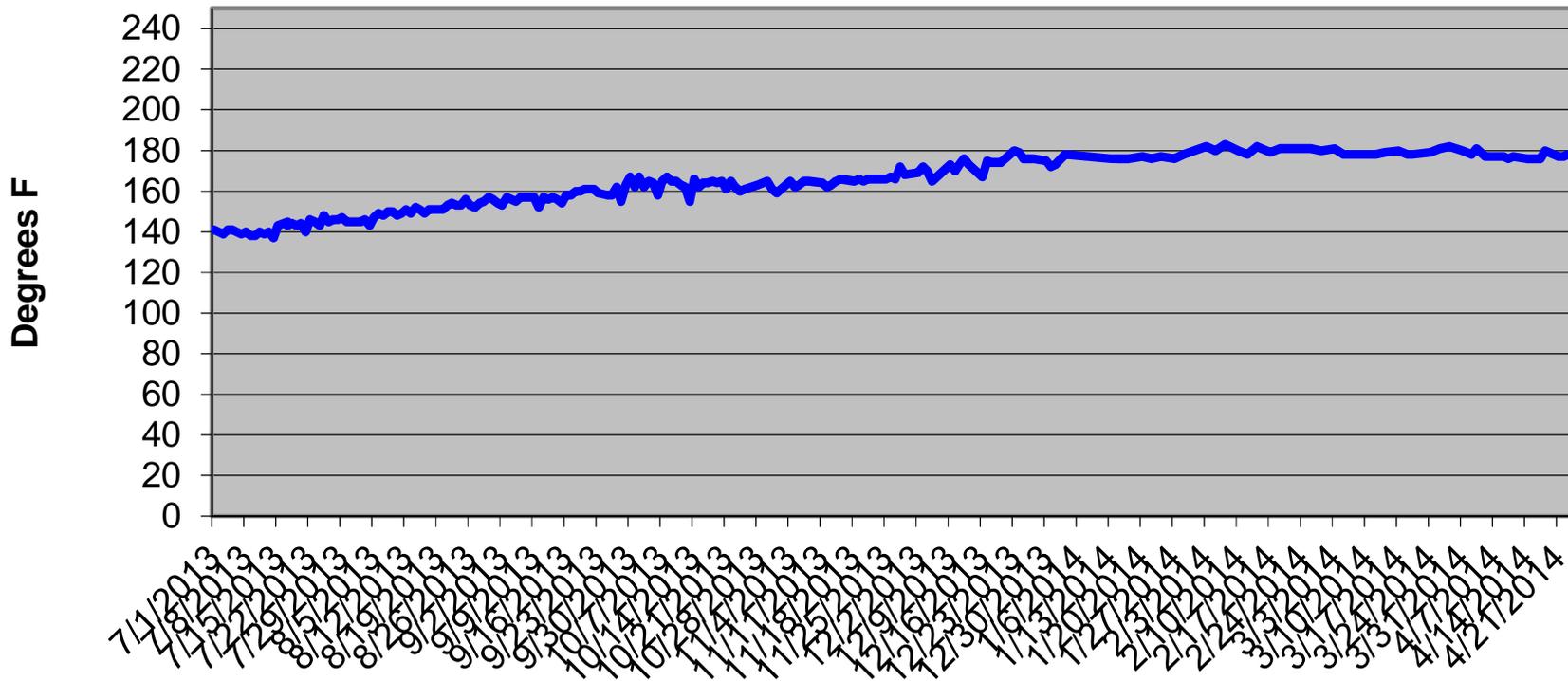
Wellhead Temp. (F)

GIW-10 Wellhead Temperatures



Wellhead Temp. (F)

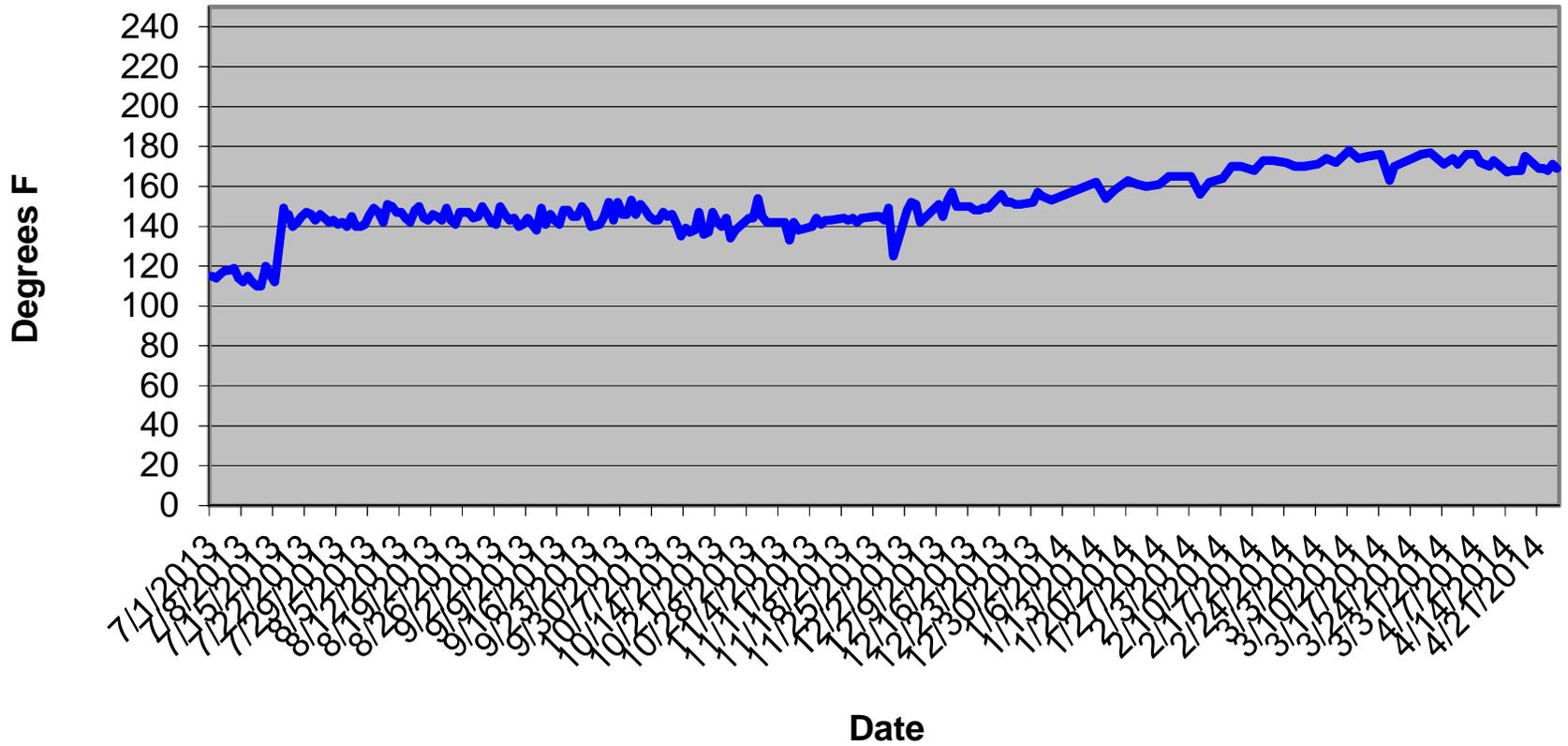
GIW-11 Wellhead Temperatures



Date

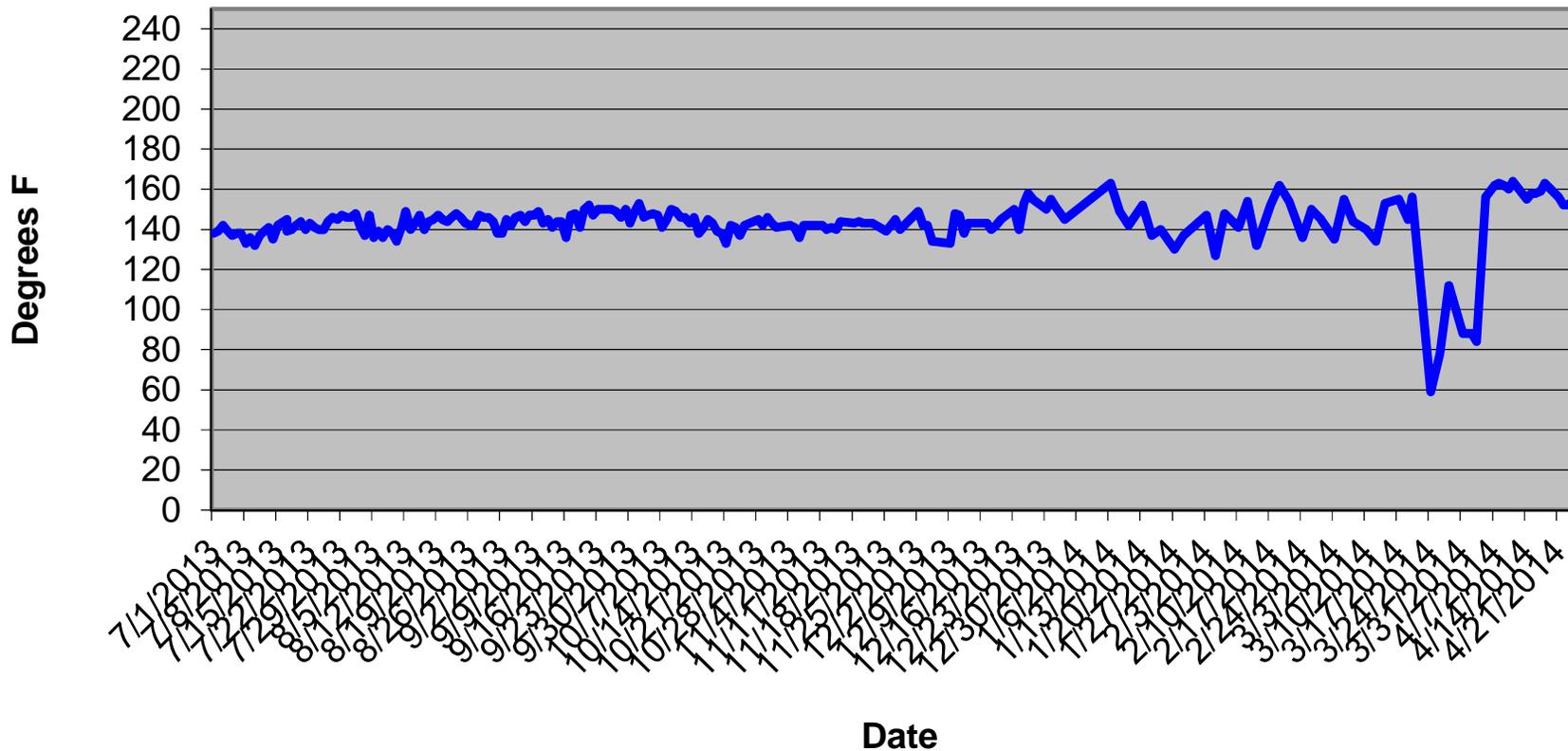
Wellhead Temp. (F)

GIW-12 Wellhead Temperatures



Wellhead Temp. (F)

GIW-13 Wellhead Temperatures



Wellhead Temp. (F)