

# **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**

**September 23, 2014**

## **Commentary on Data**

### **Attachment A – Leachate Levels in Leachate Collection Sumps**

LCS-1D, -2D -5A, and -6B were partially or fully 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.

### **Attachment B - Temperature Monitoring Probe Analytical Charts**

The following TMPs indicated consistent profiles to previous observations: TMP-1, -2, -3, -4, -5, -6, -8, -9, -10, -11, -12, -14, -16, -17, and -18. Some intervals in TMP-5 and -16 increased slightly in the latest reading.

TMP-7, -7R, -13, and -15 have been removed from the presentation based on unreliable thermocouple measurements or other documented issues.

### **Attachment C - 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.

Limited wellfield readings were obtained for the gas interceptor wells (GIW) during this weekly reporting period. GIW well readings require manlift access, and due to construction activities in the GIW area, safe access was not available.

The water circulation cooling loop is currently installed in GIW-4.

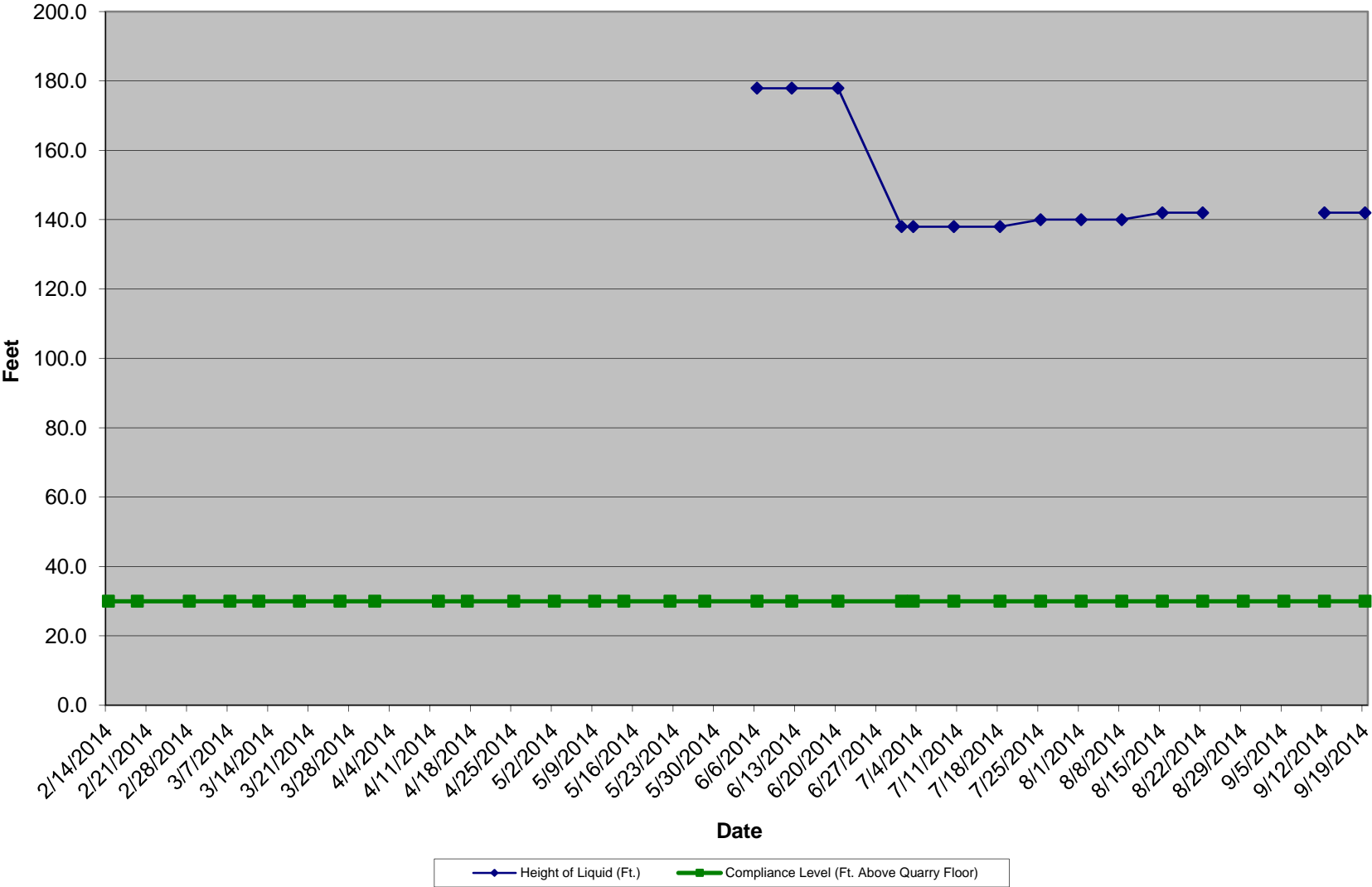
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## **ATTACHMENT A**

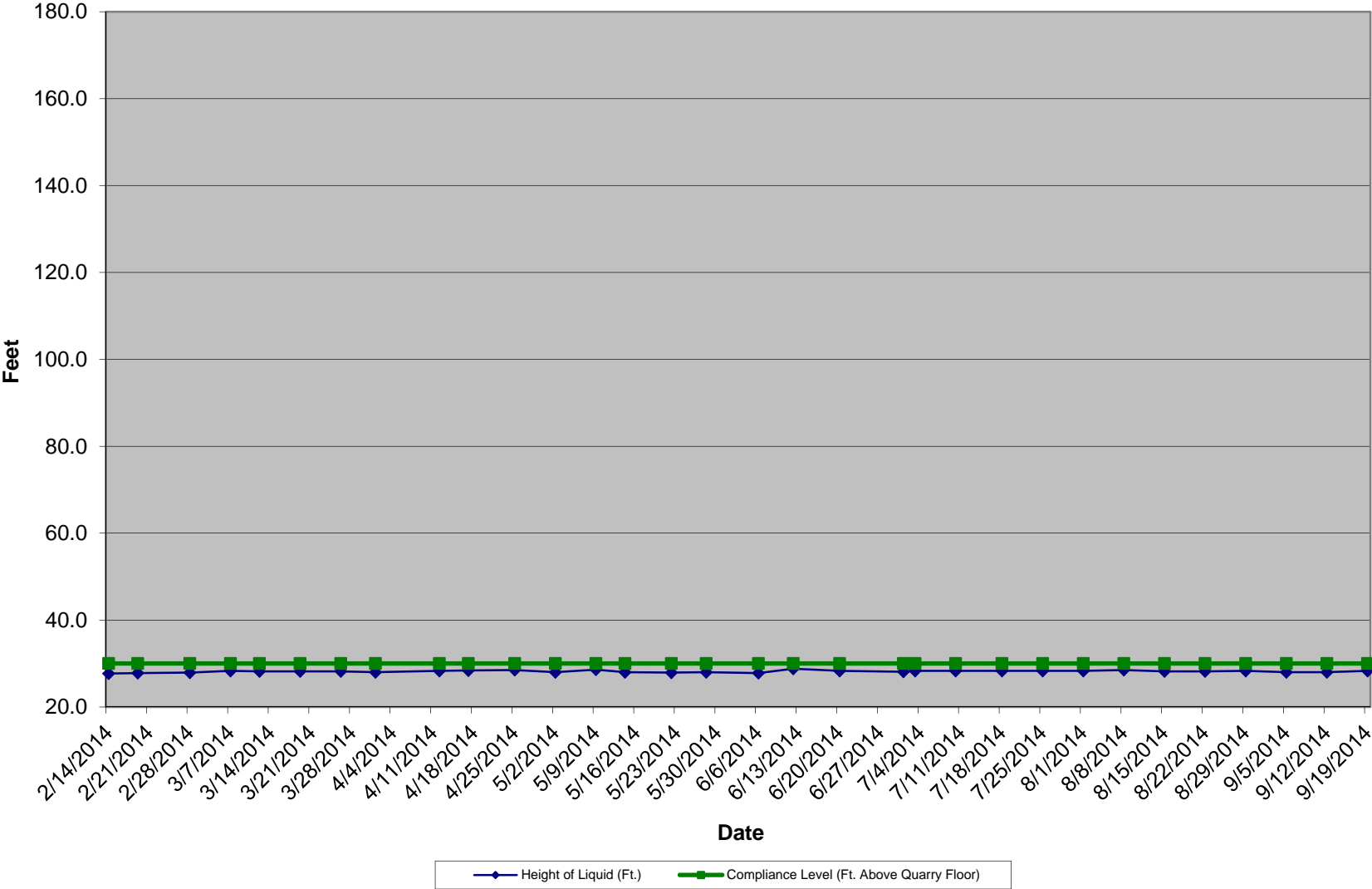
### **LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS**

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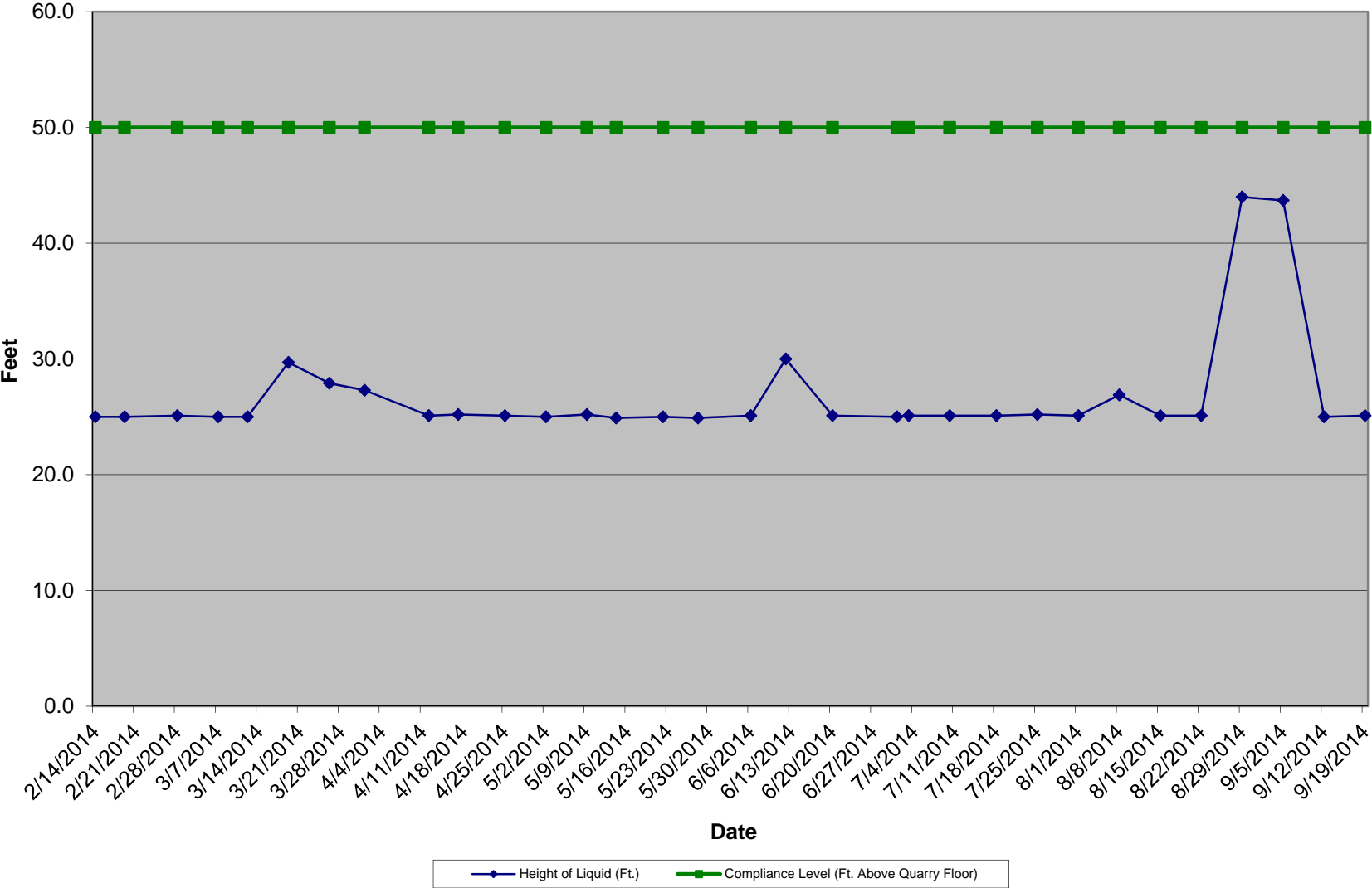
LCS-1D Liquid Level Above Quarry Floor



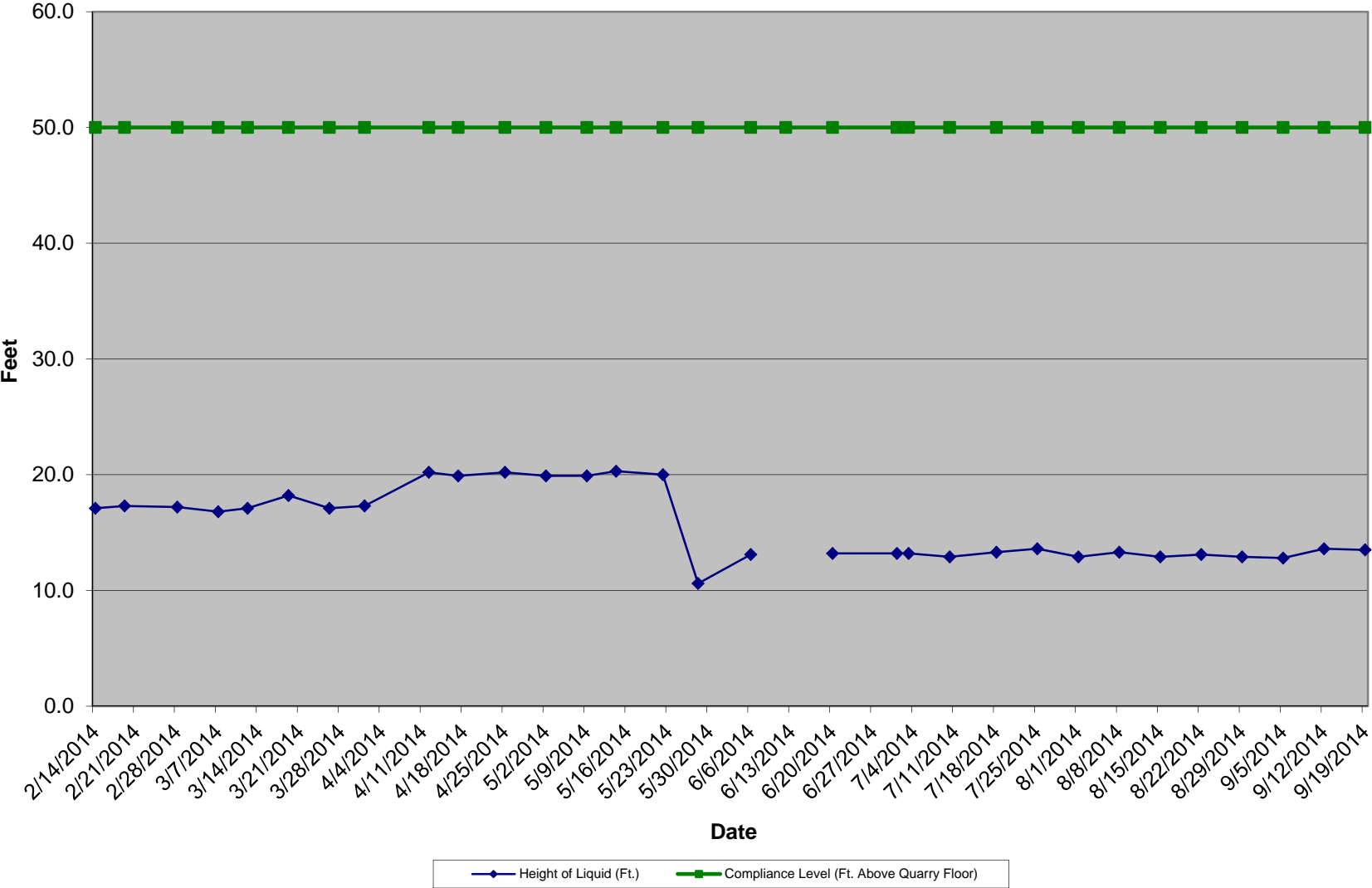
LCS-2D Liquid Level Above Quarry Floor



LCS-5A Liquid Level Above Quarry Floor



LCS-6B Liquid Level Above Quarry Floor



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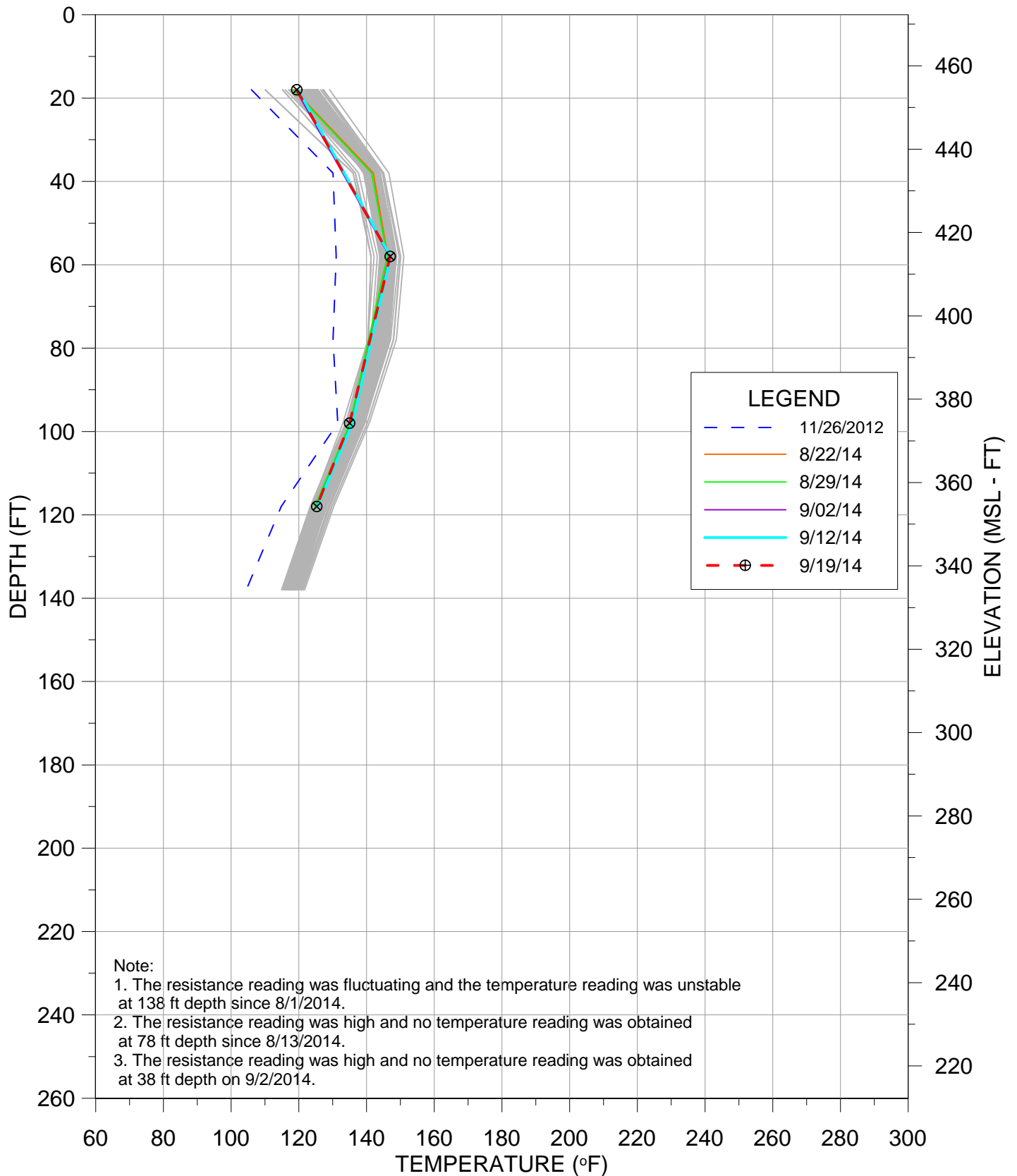
**ATTACHMENT B**

**TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS**

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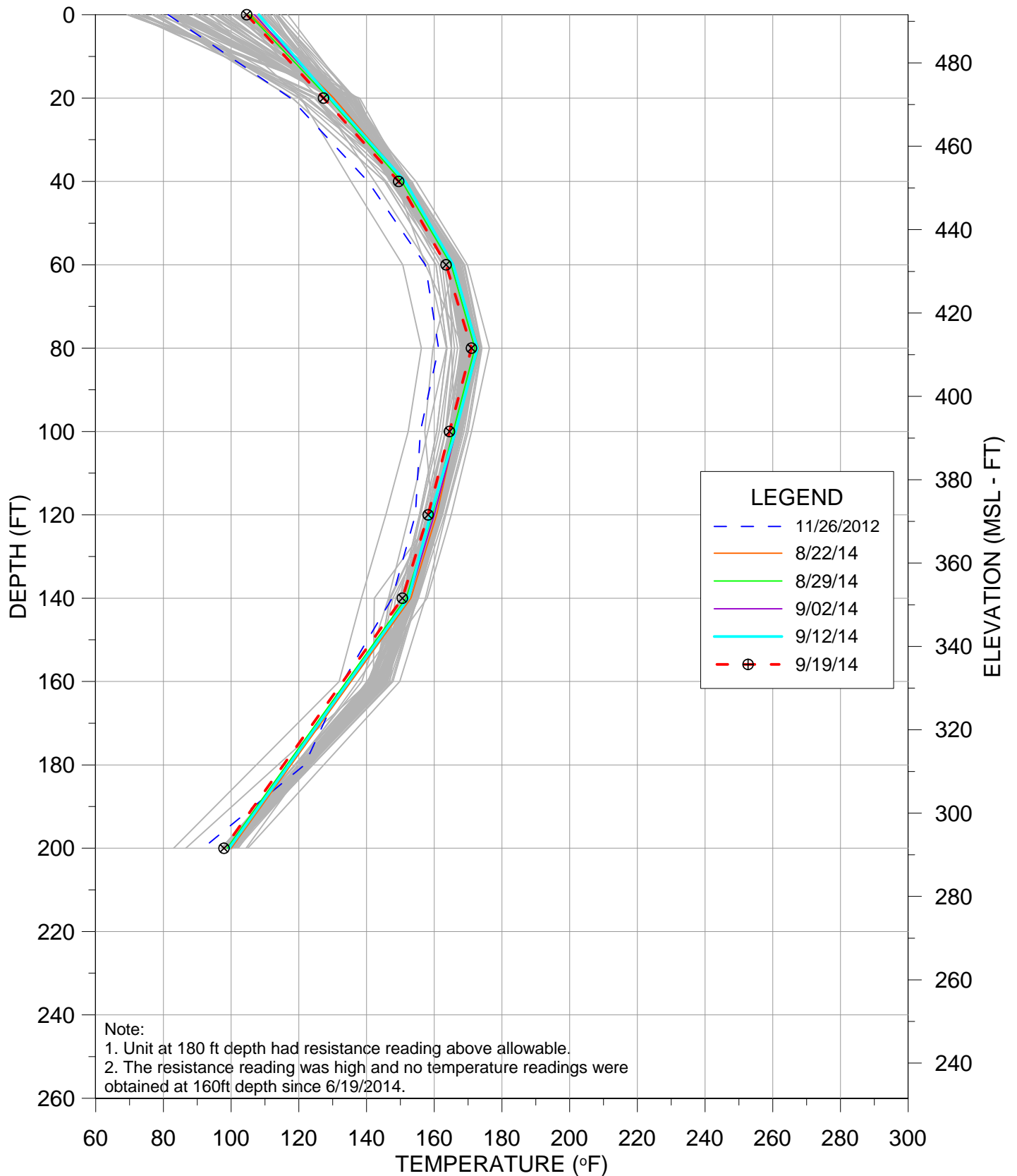


# TMP-1

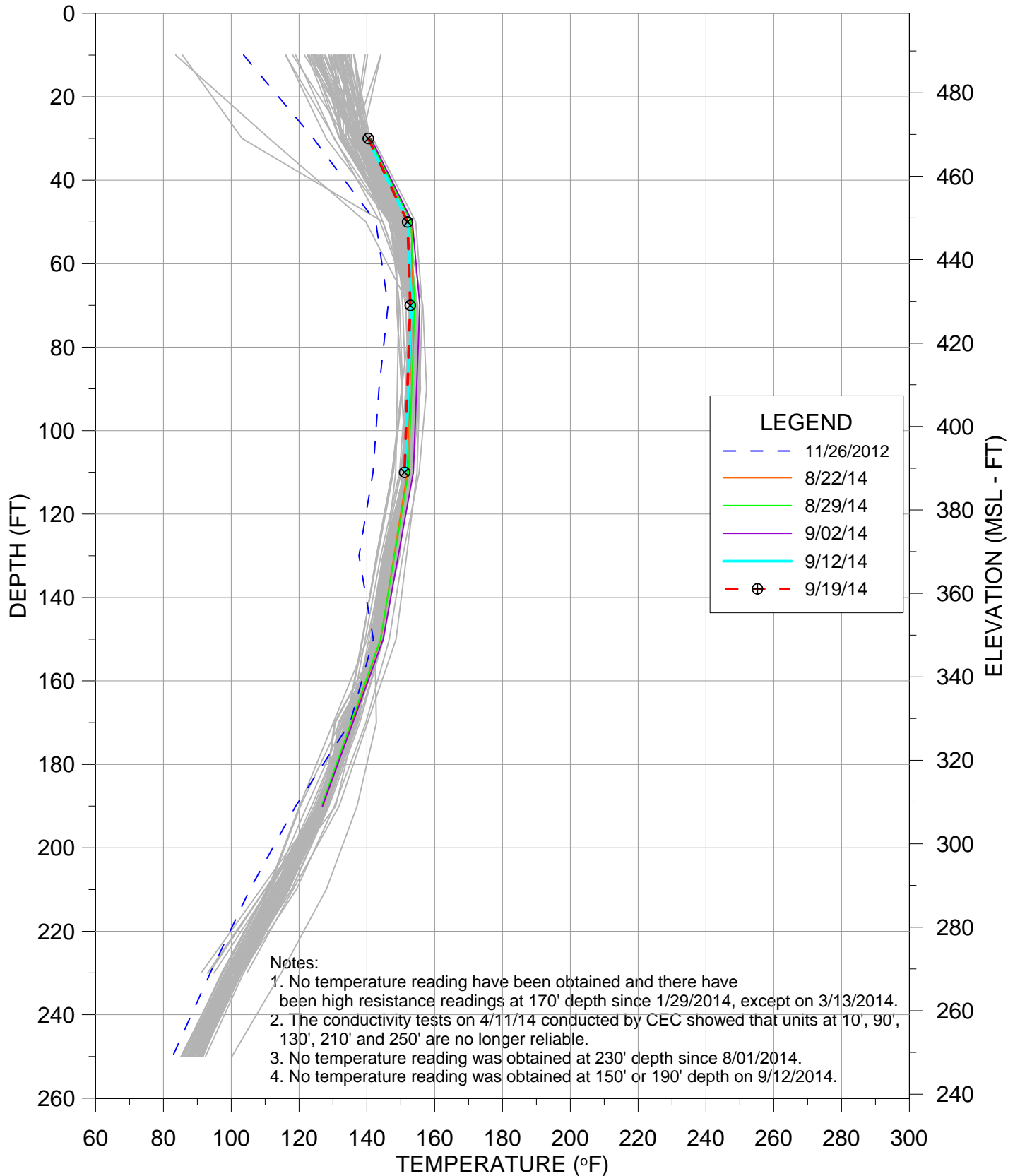


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-2

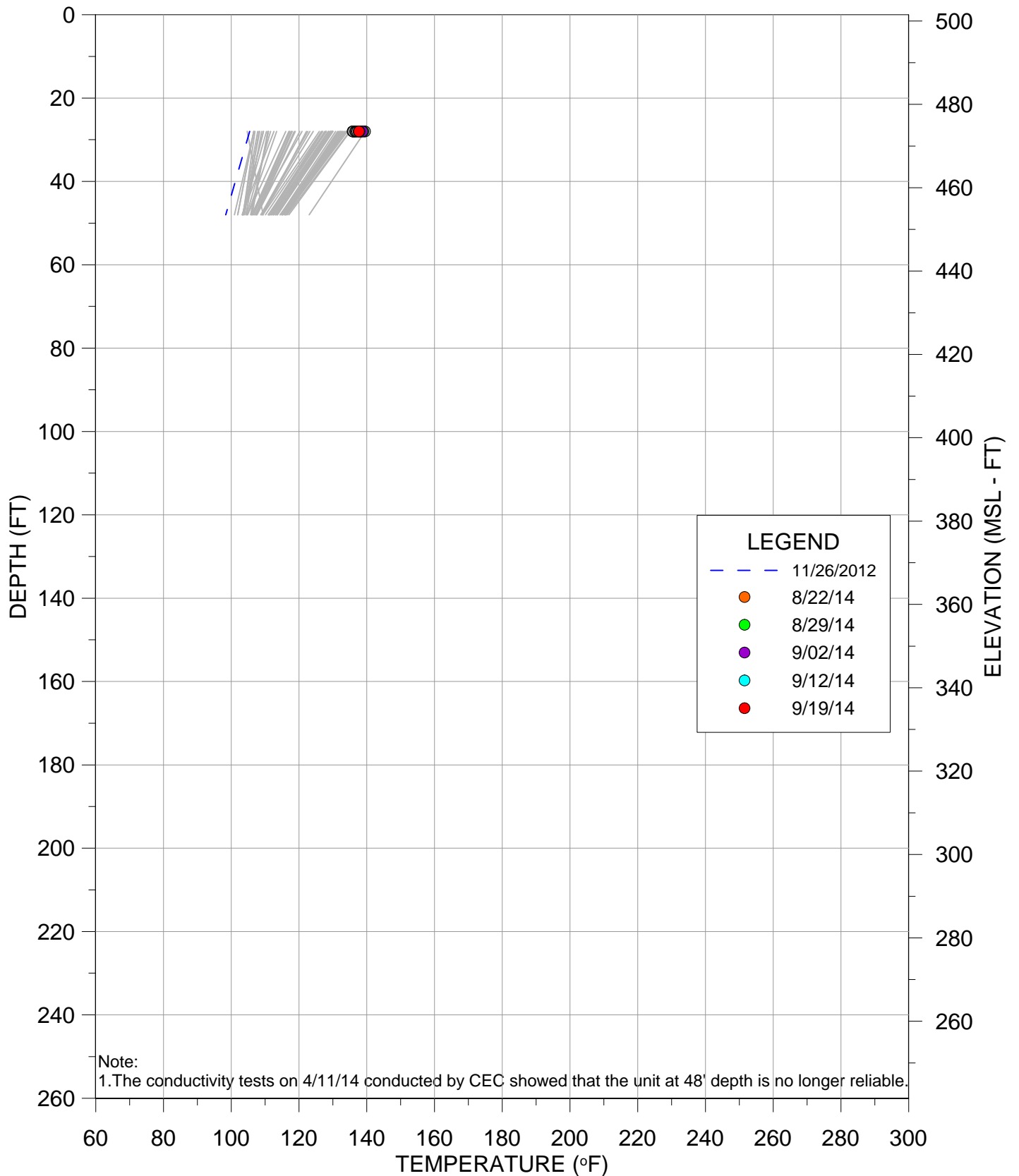


# TMP-3



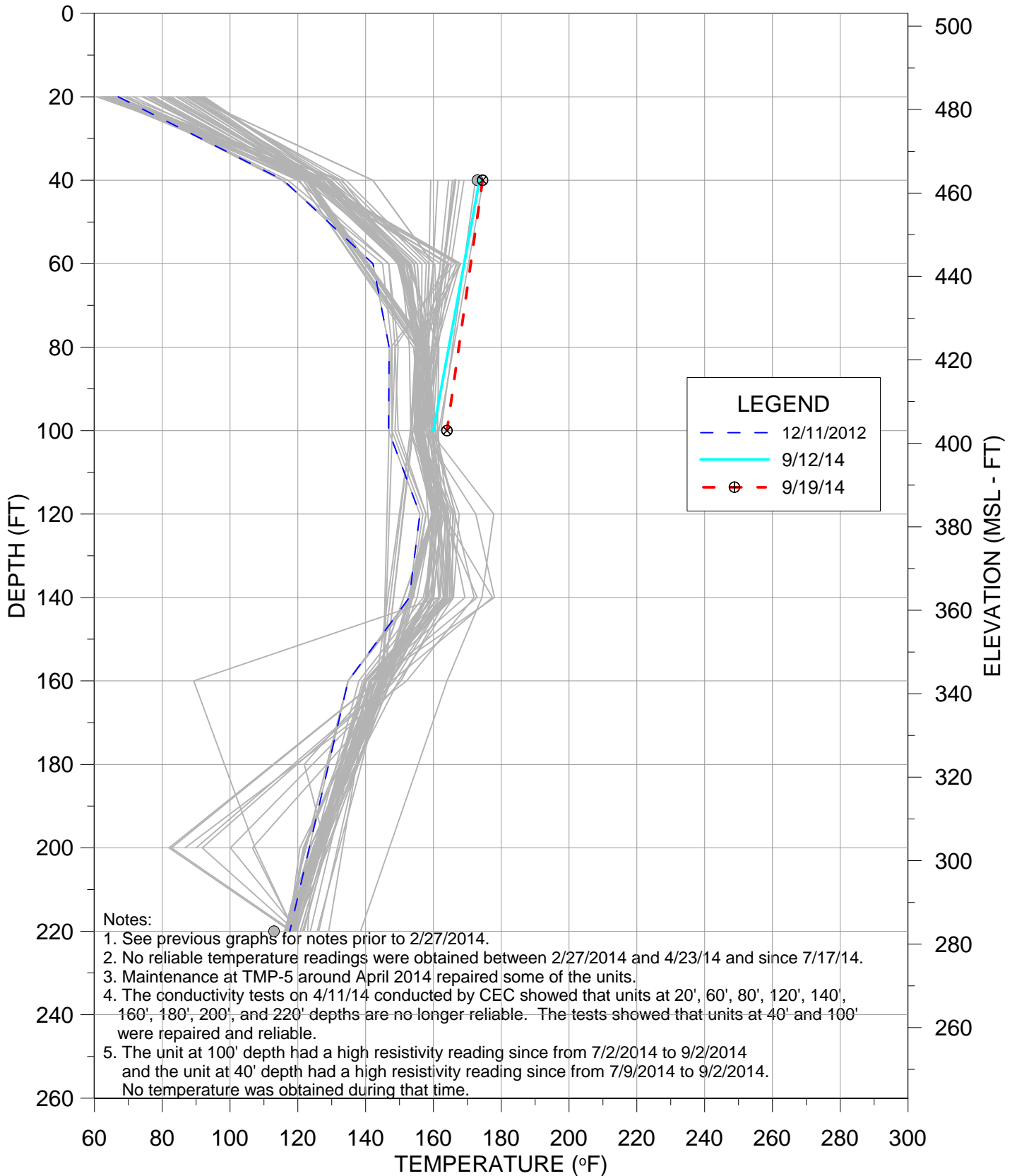
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-4

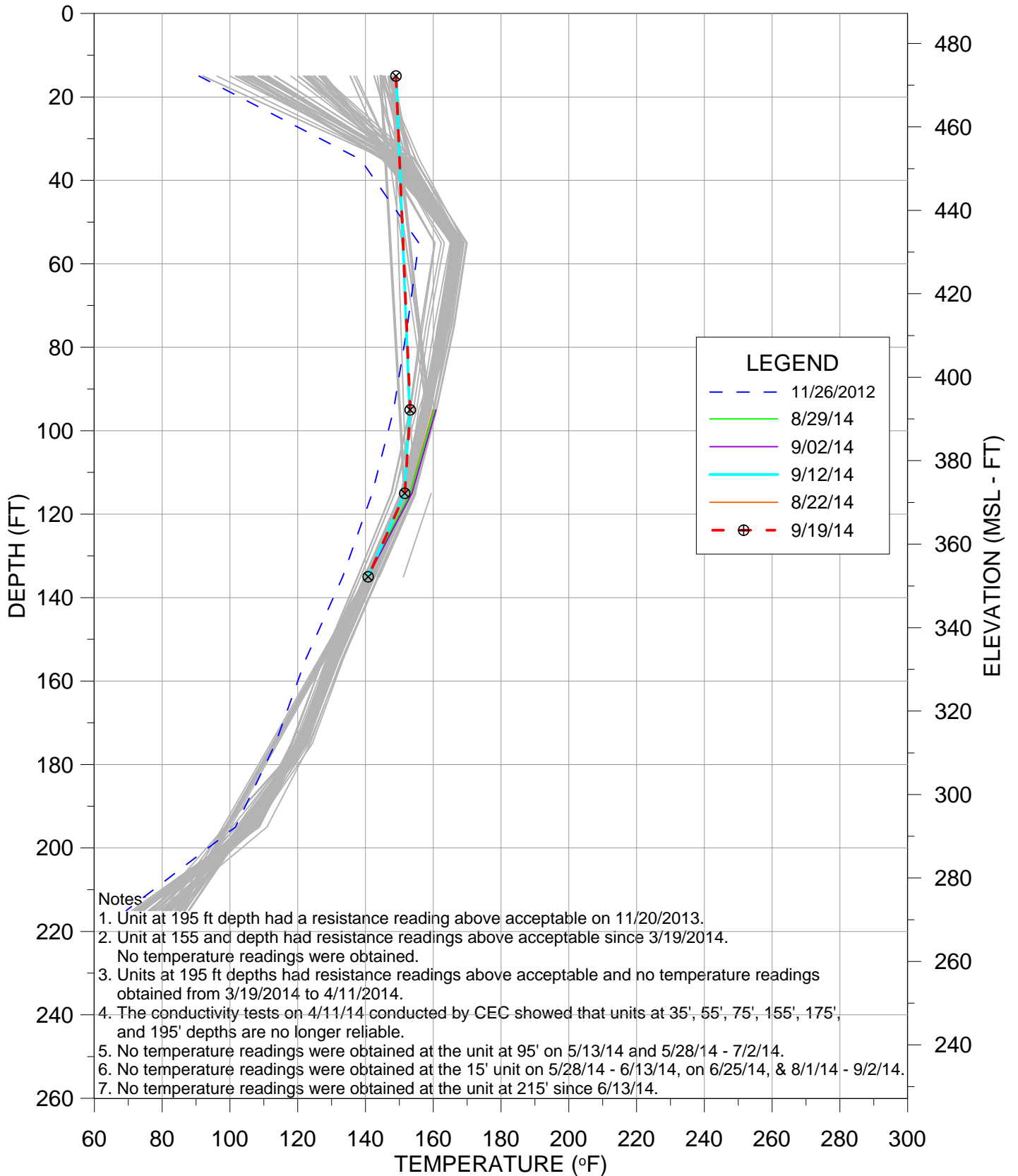


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

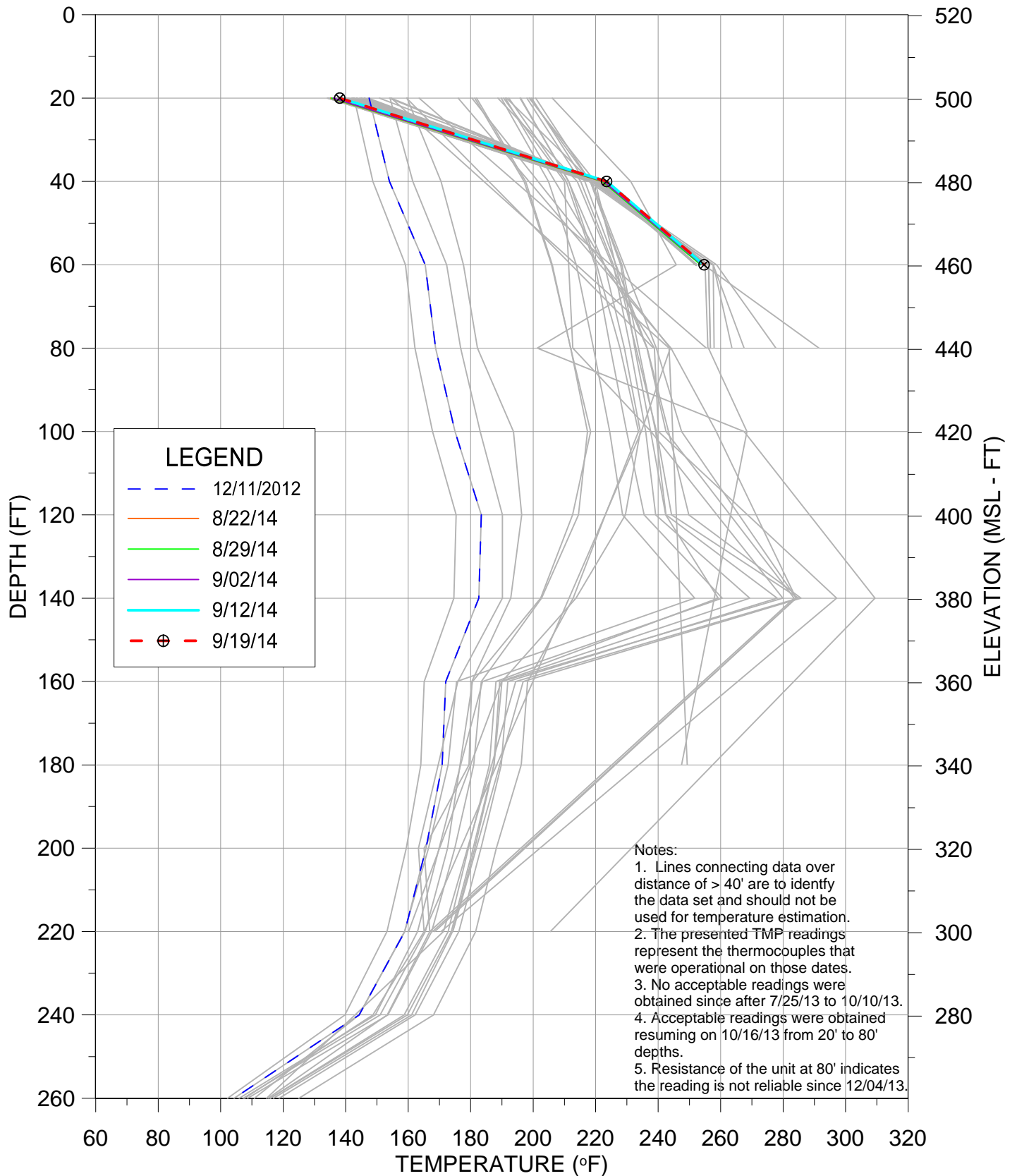
# TMP-5



# TMP-6

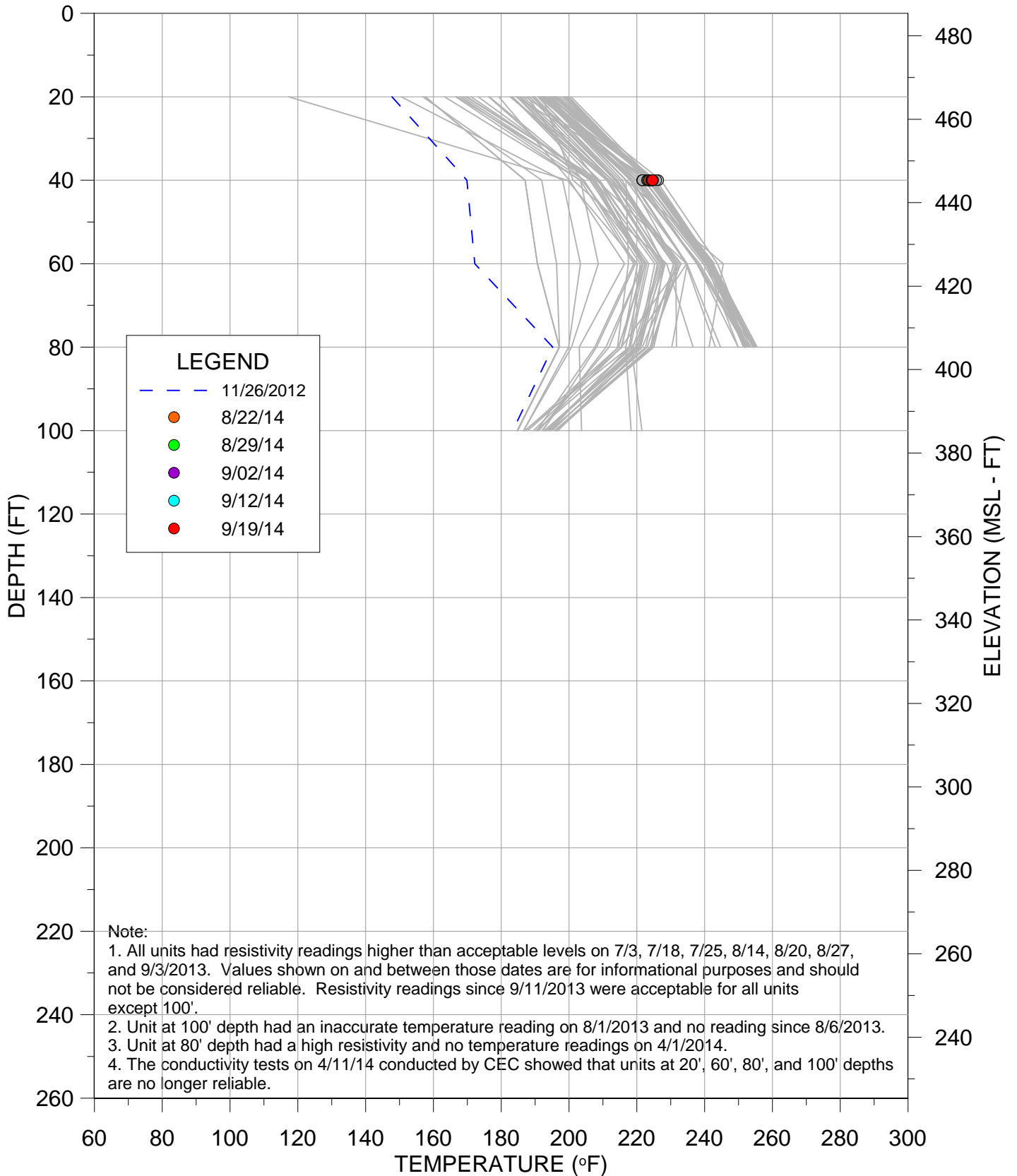


# TMP-8



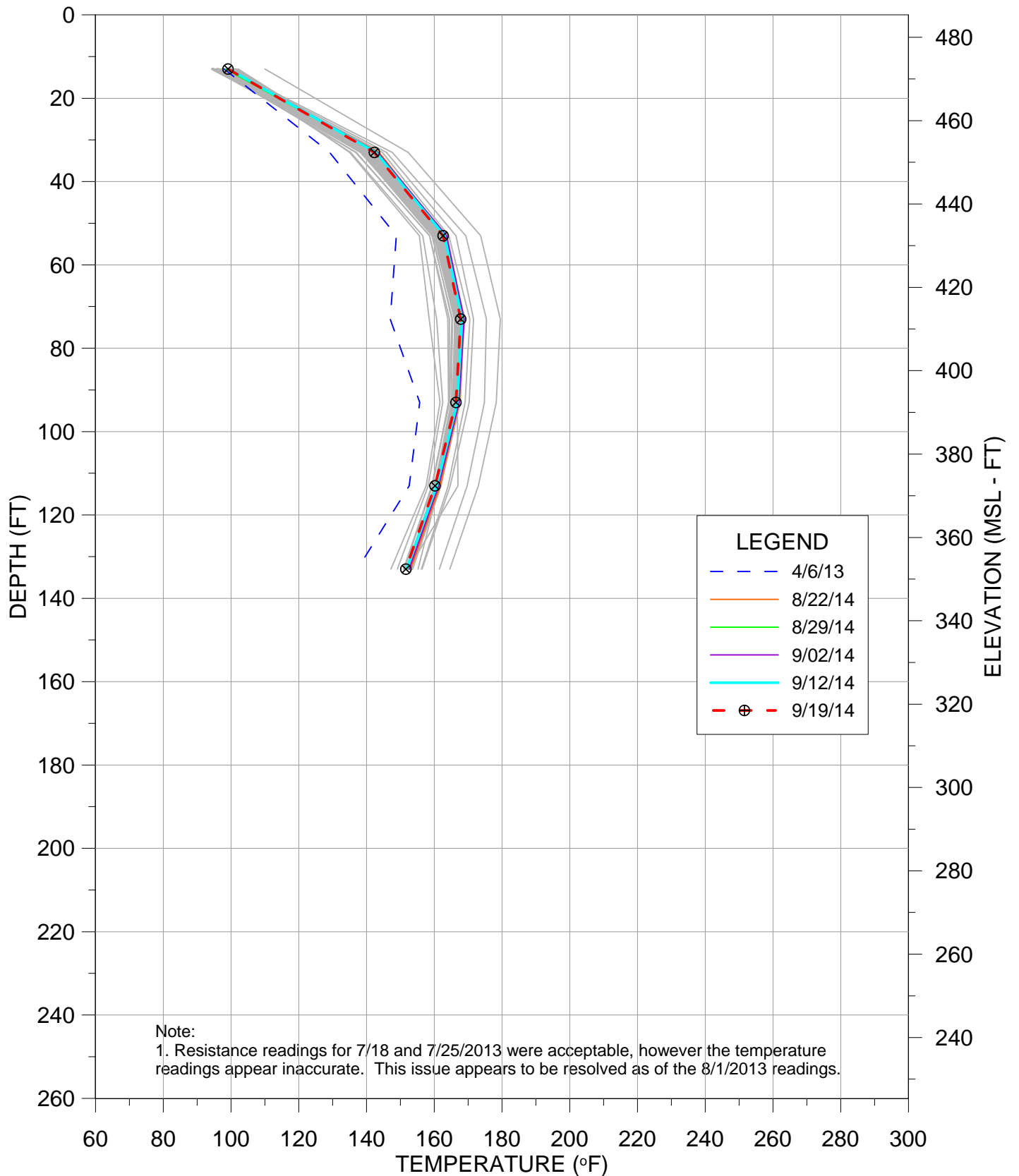
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-9



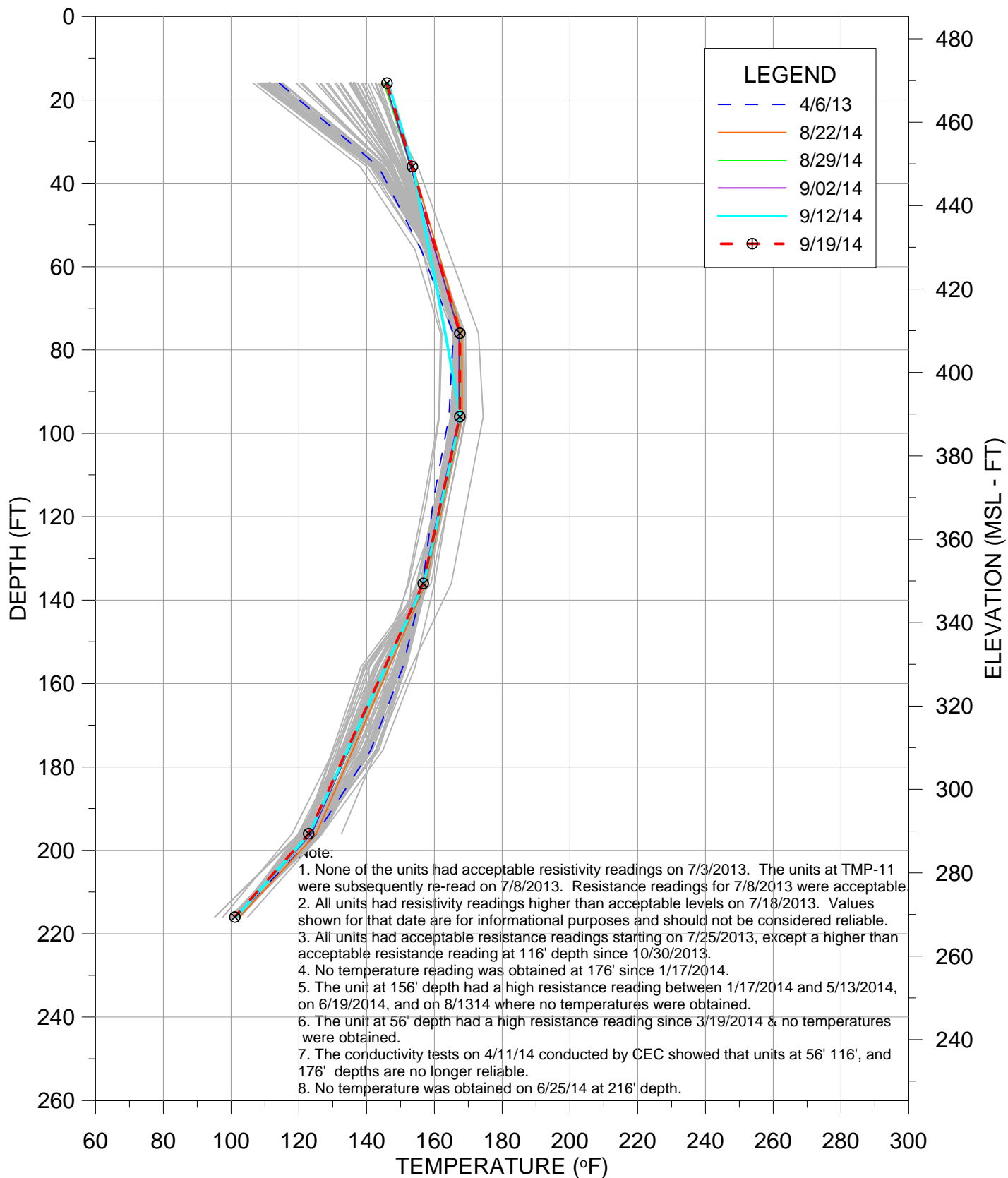


# TMP-10



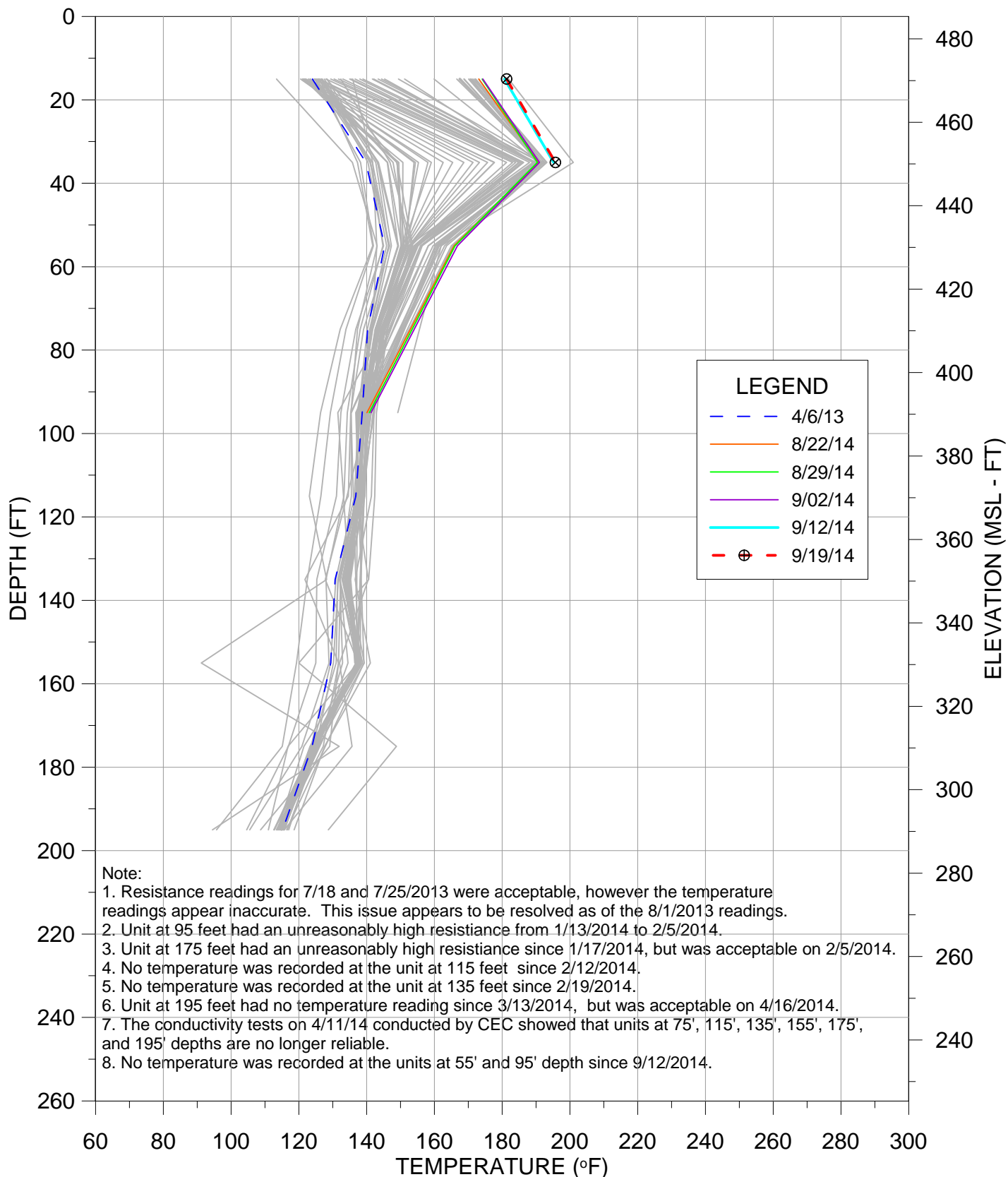
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-11

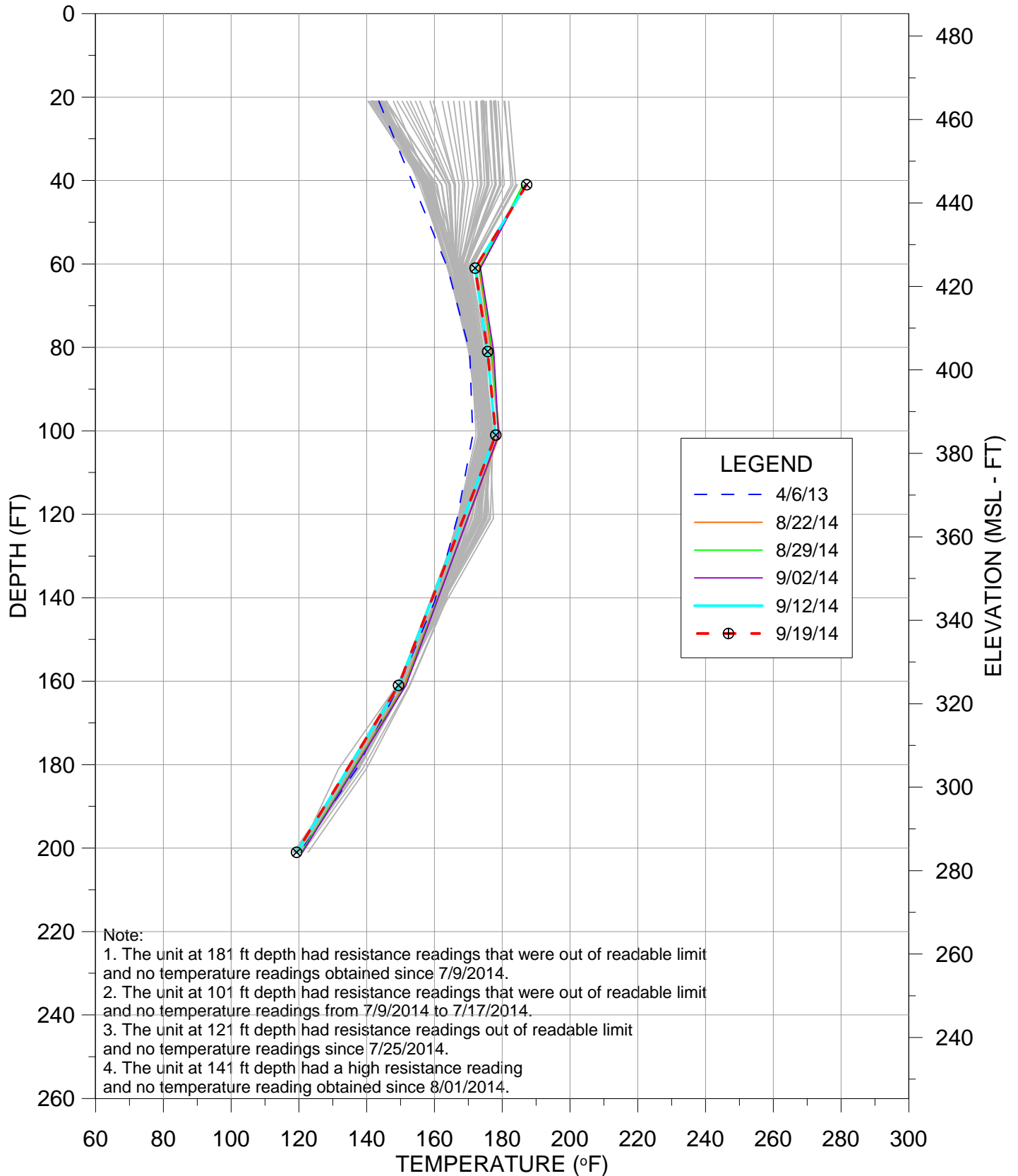


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

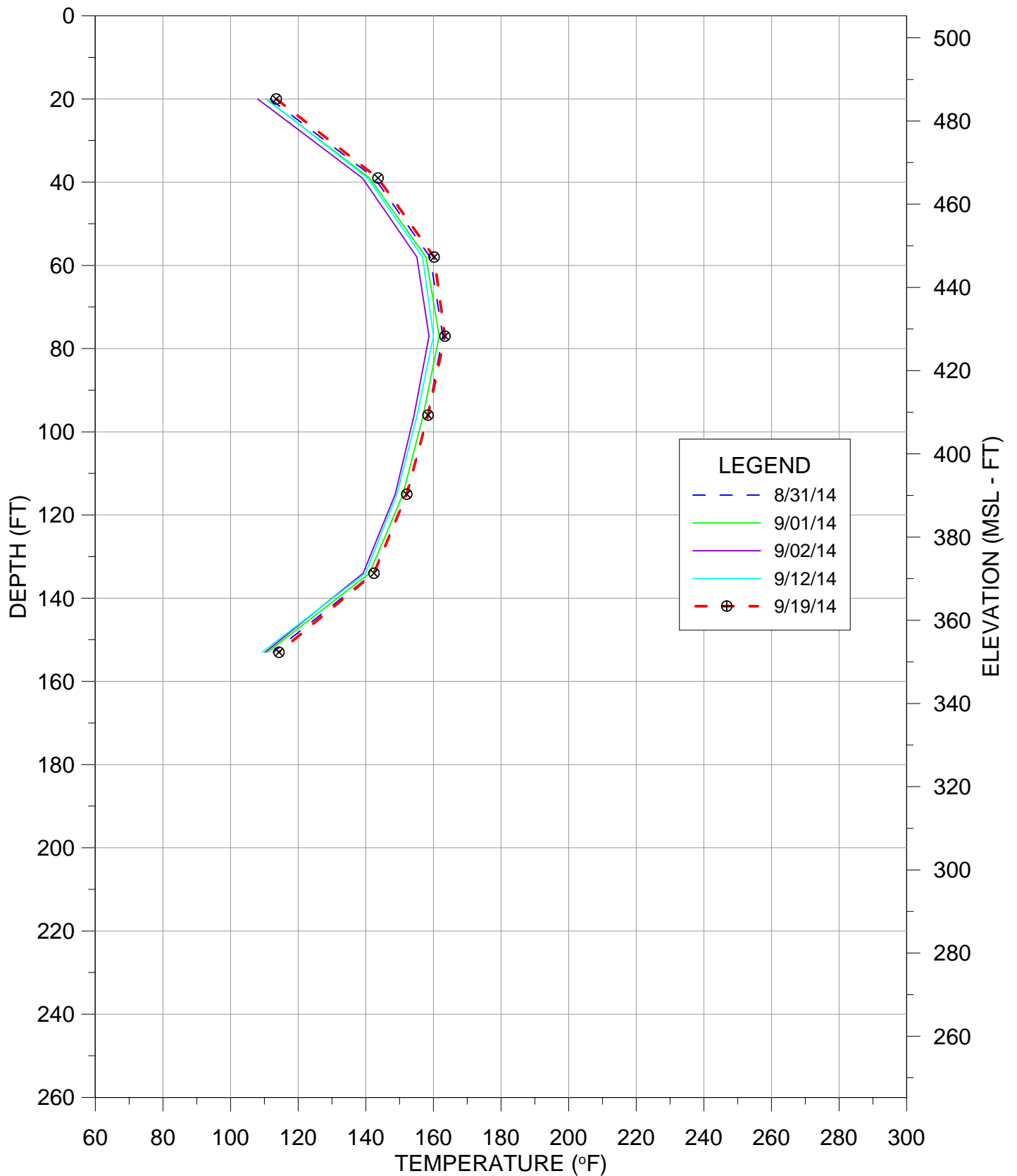
# TMP-12



# TMP-14

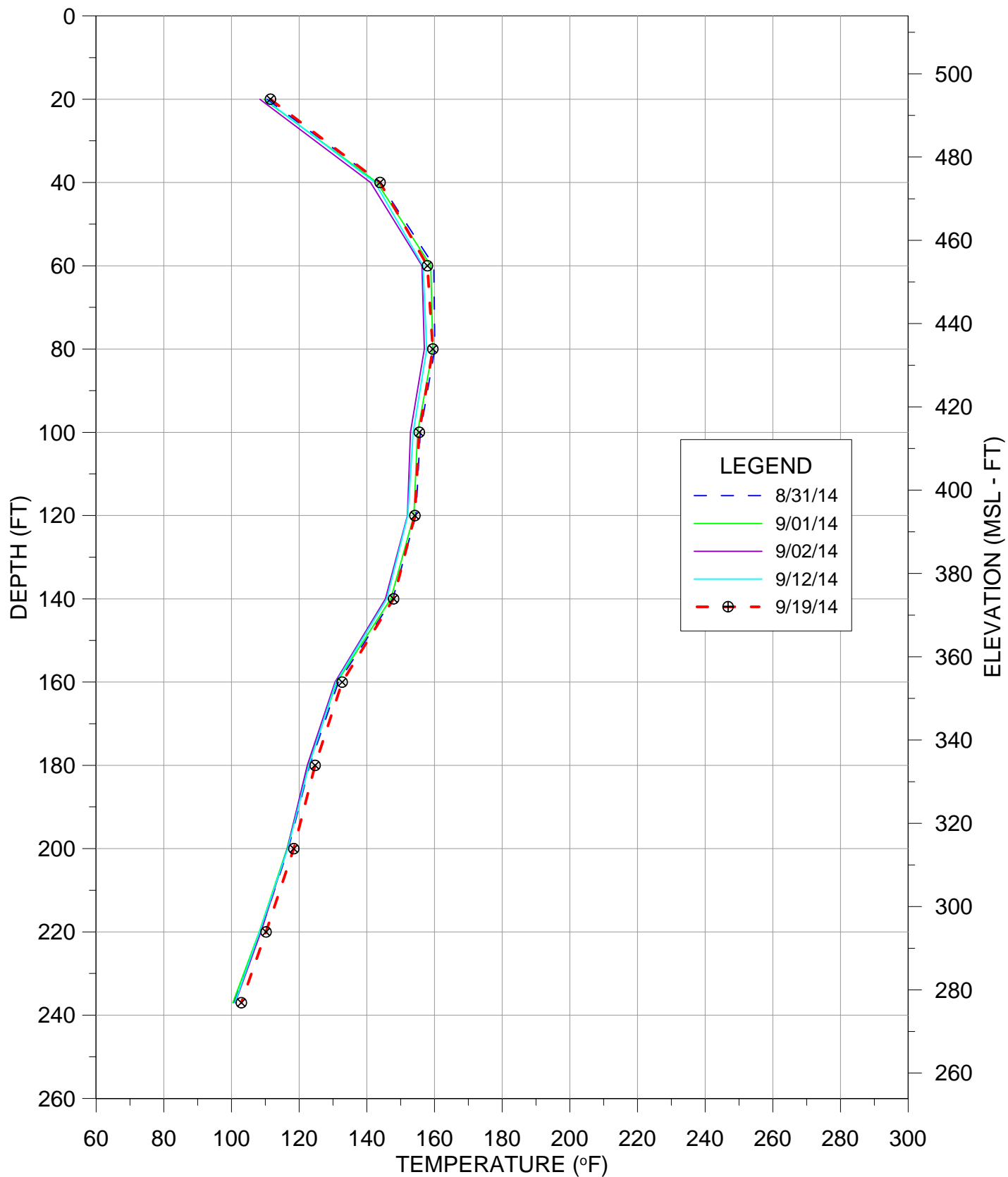


# TMP-16



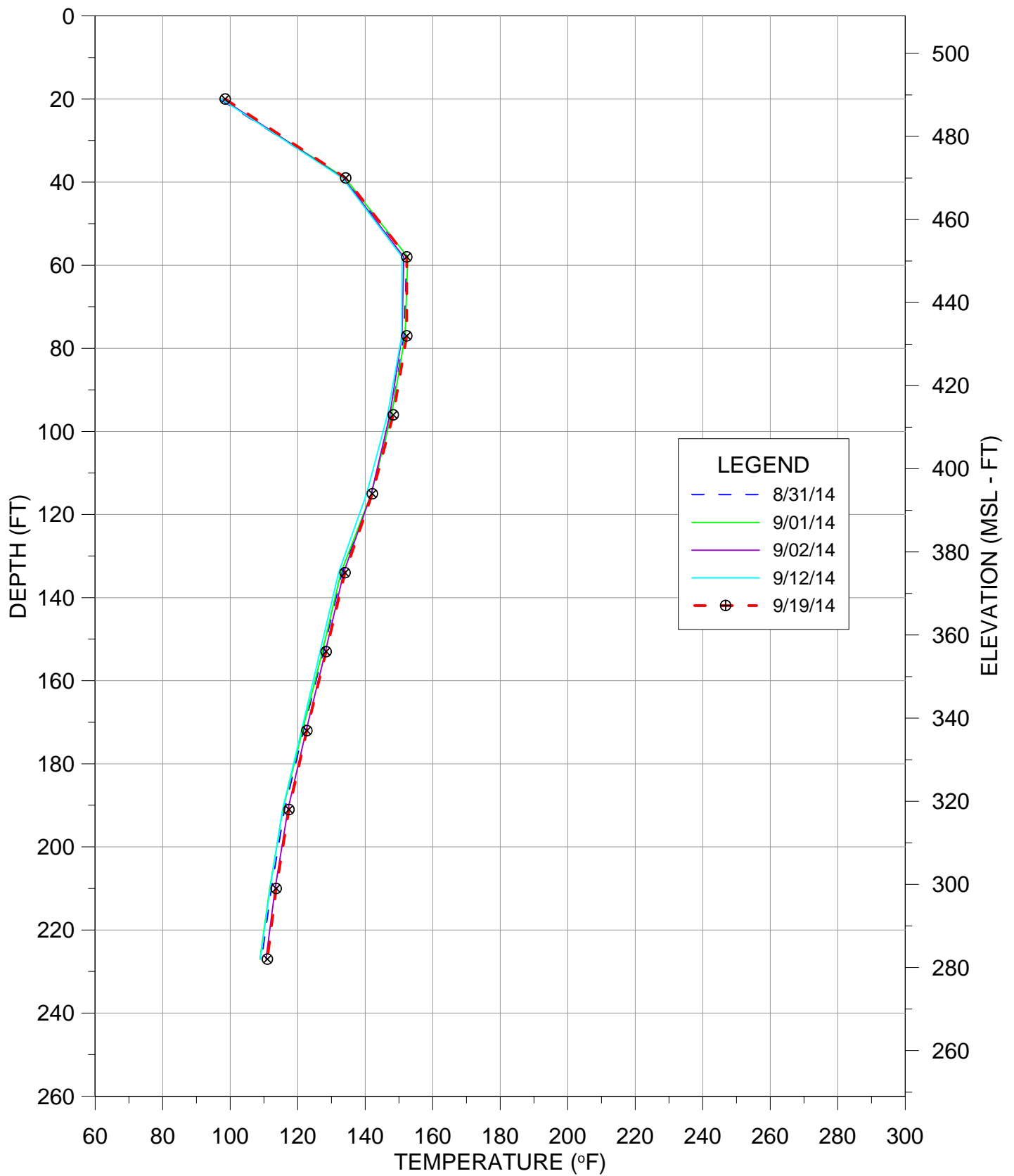
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-17



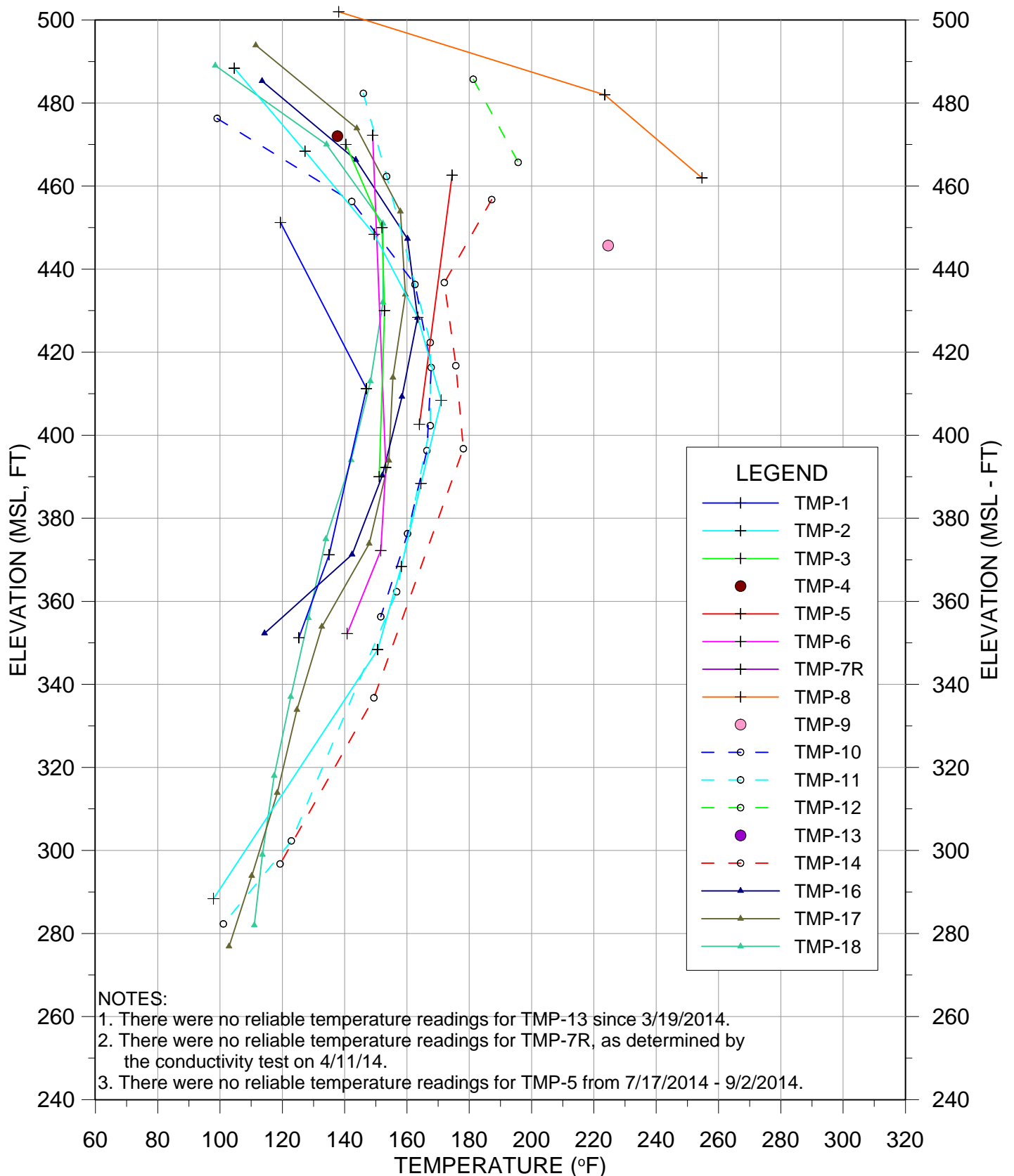
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-18



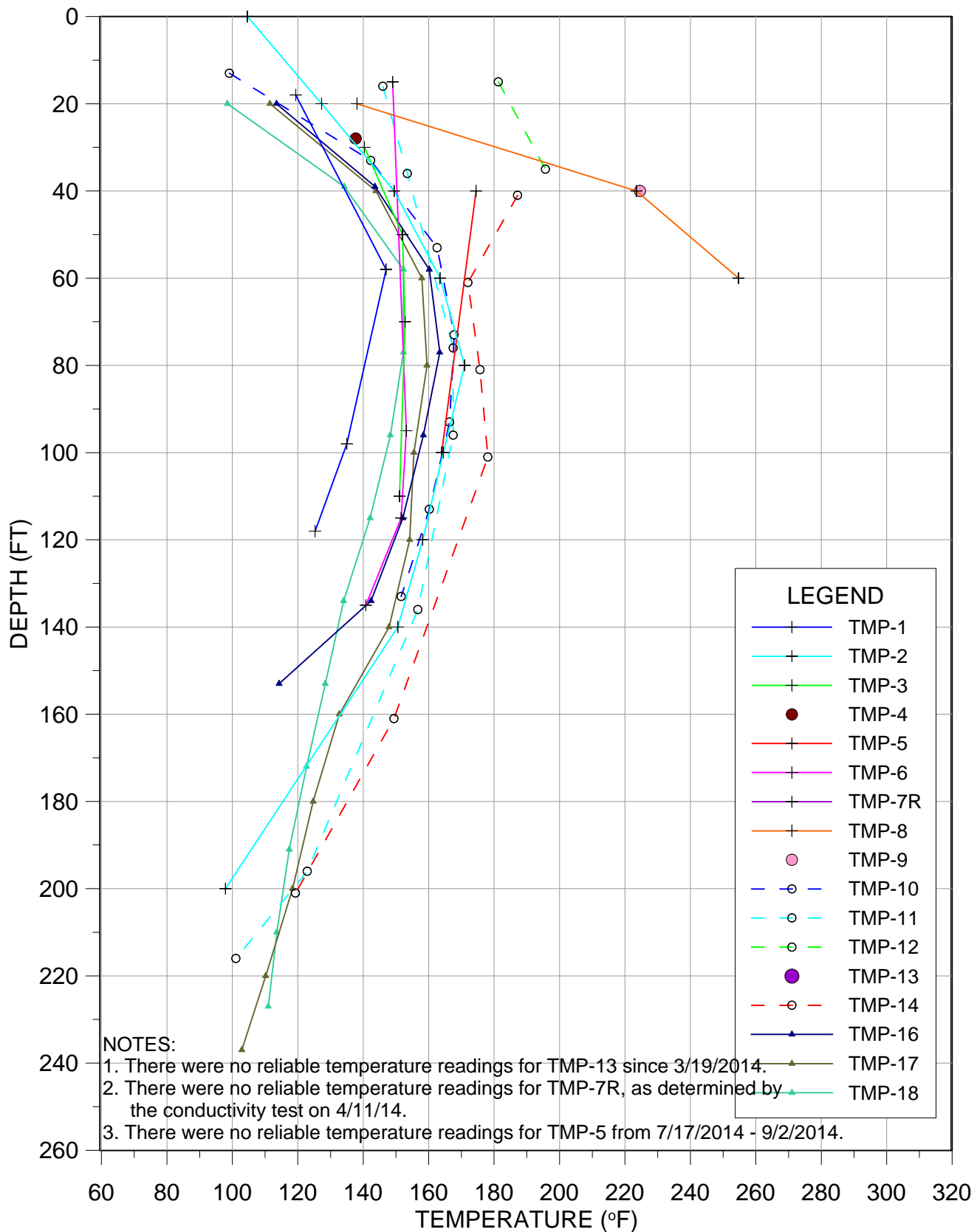
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# 9/19/2014 - ELEVATION



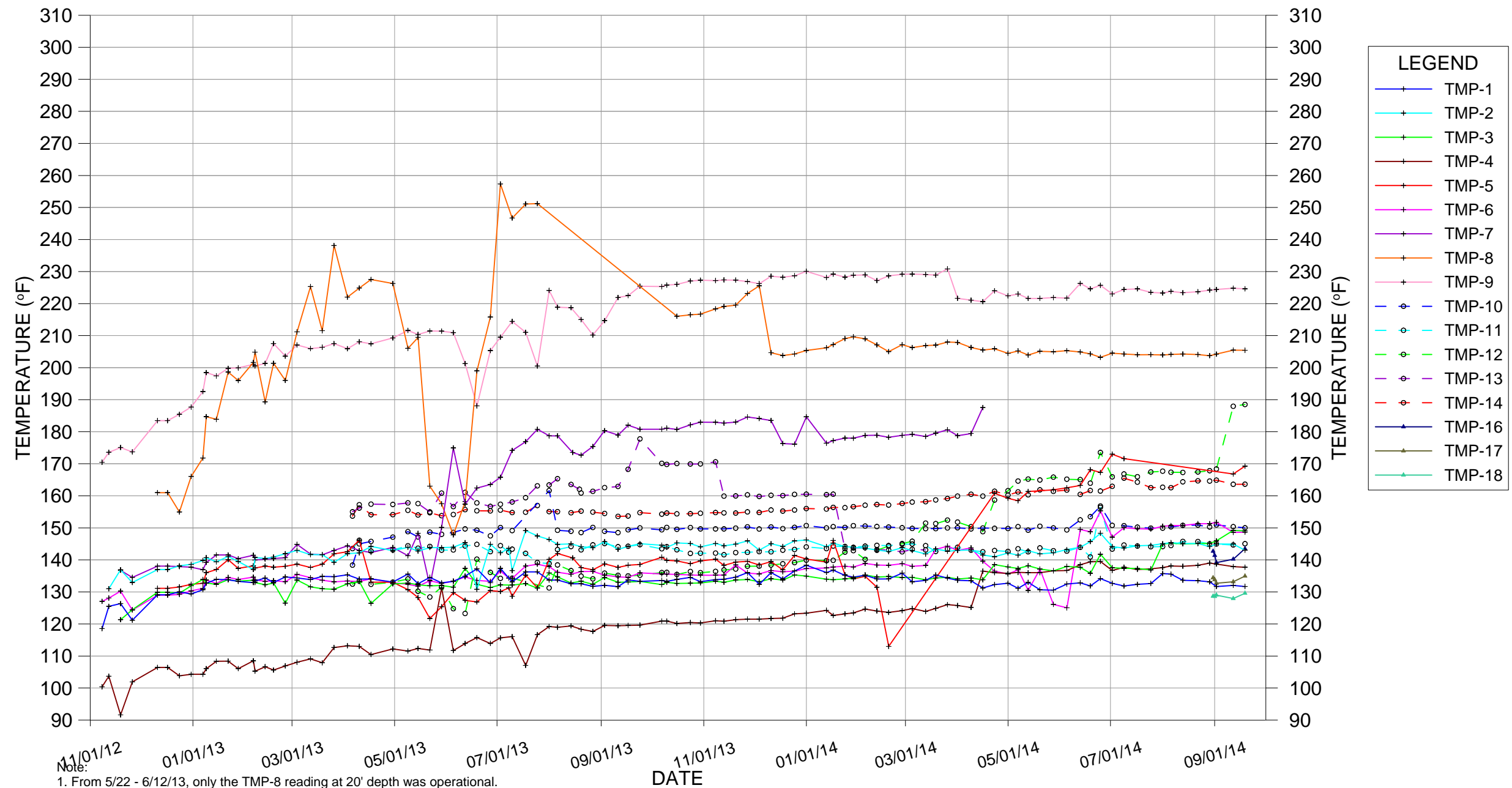


# 9/19/2014 -DEPTH



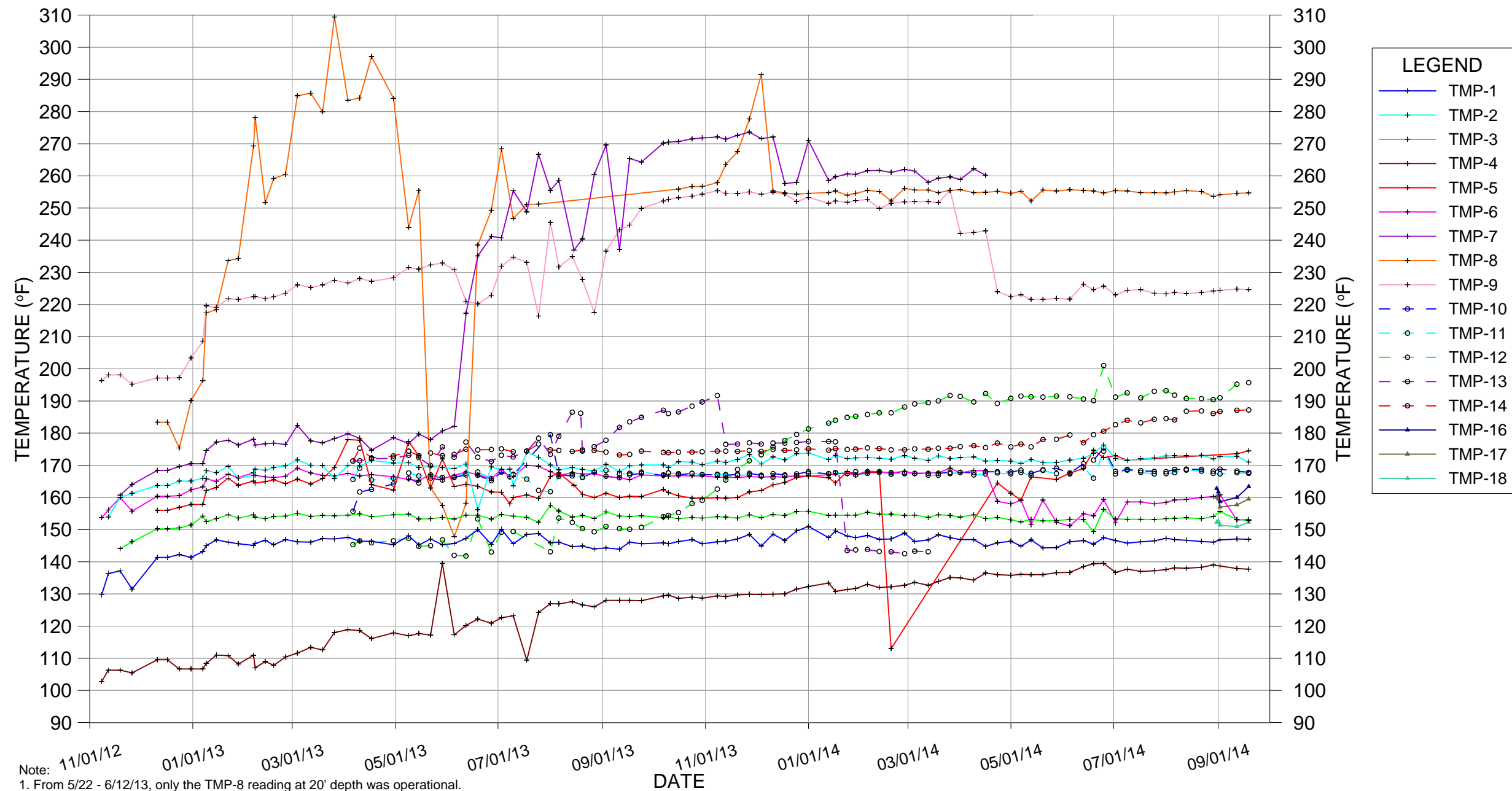
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# AVERAGE TEMPERATURES



TEMPERATURE VS TIME  
BRIDGETON LANDFILL

# MAXIMUM TEMPERATURES



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

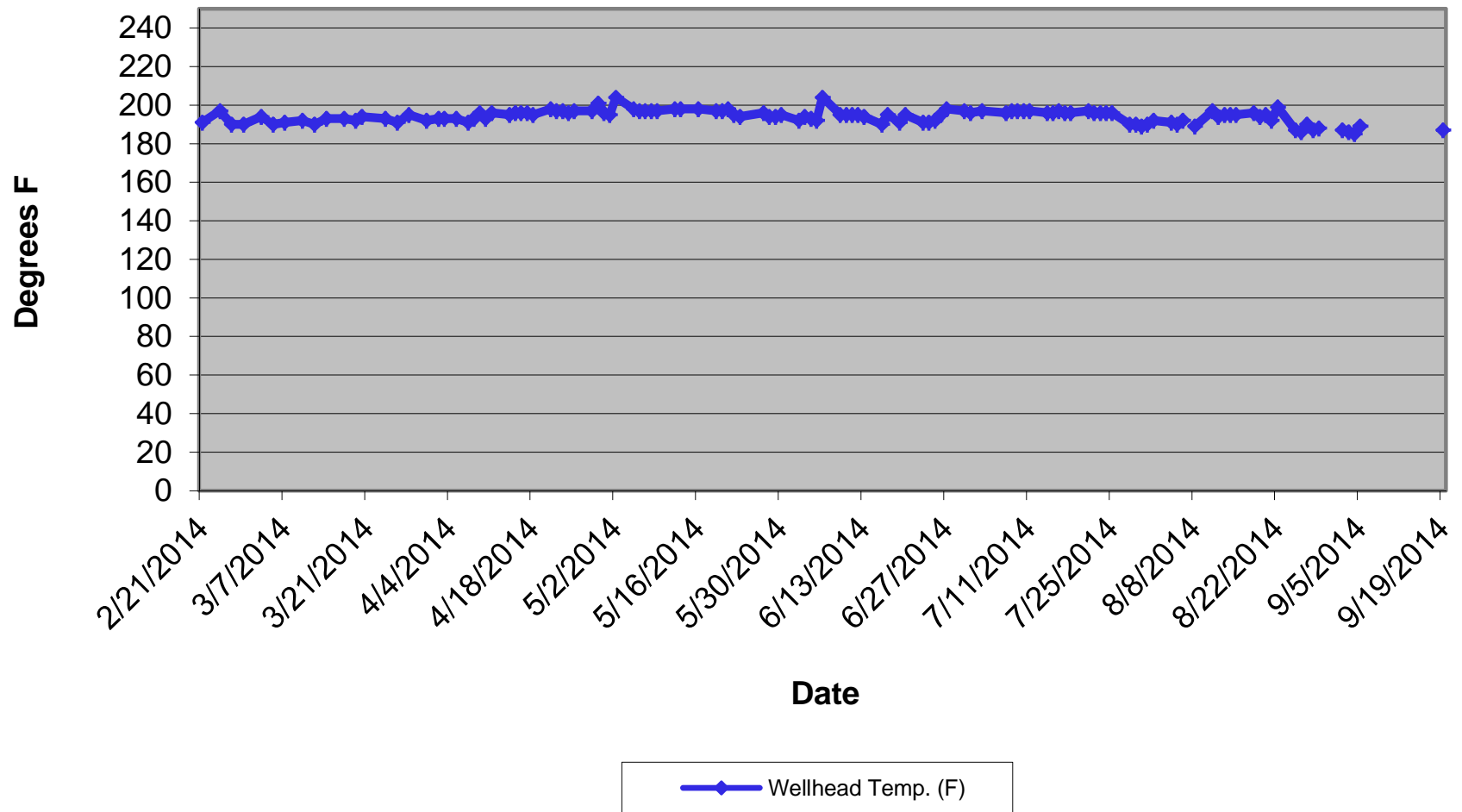
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**ATTACHMENT C**

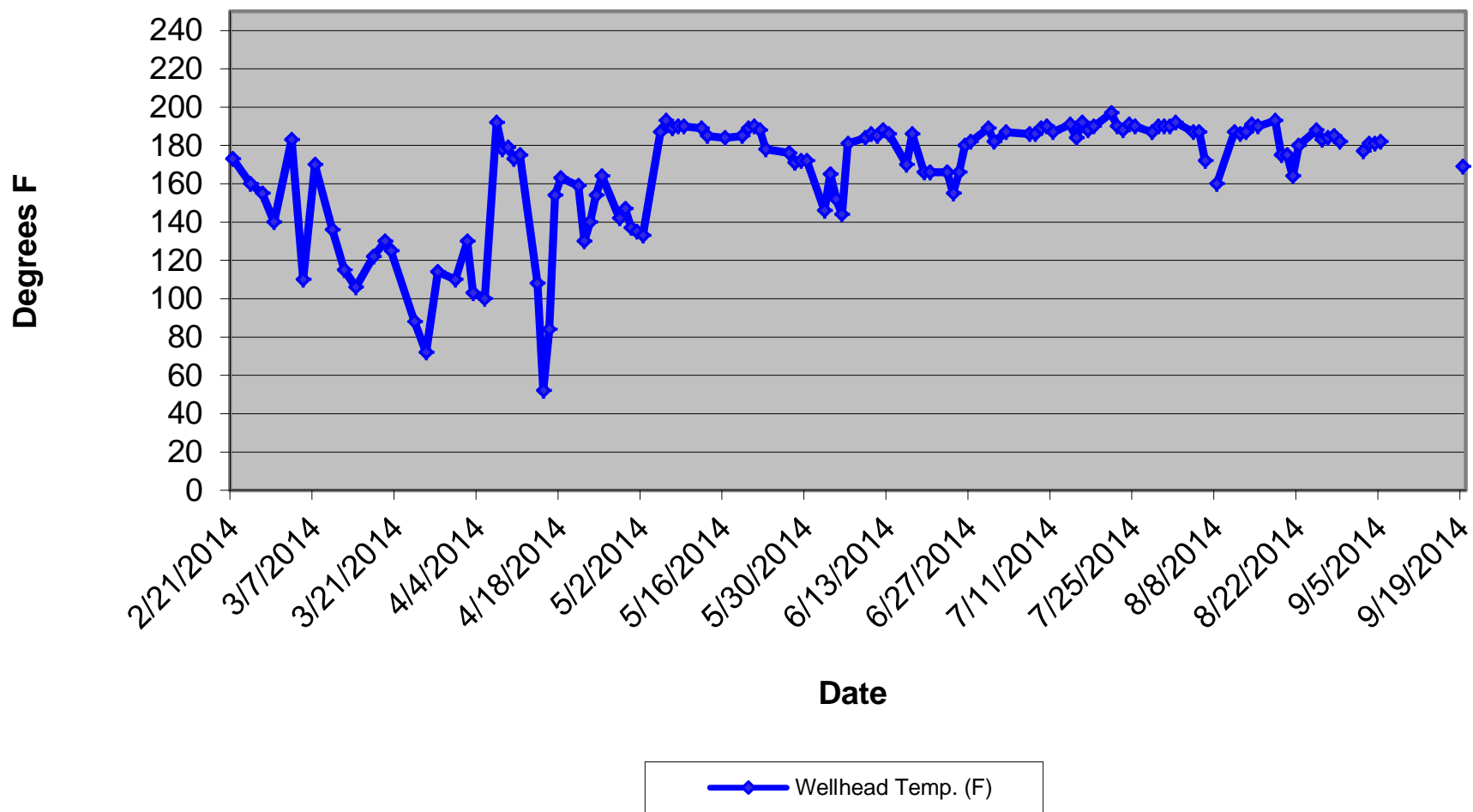
**GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS**

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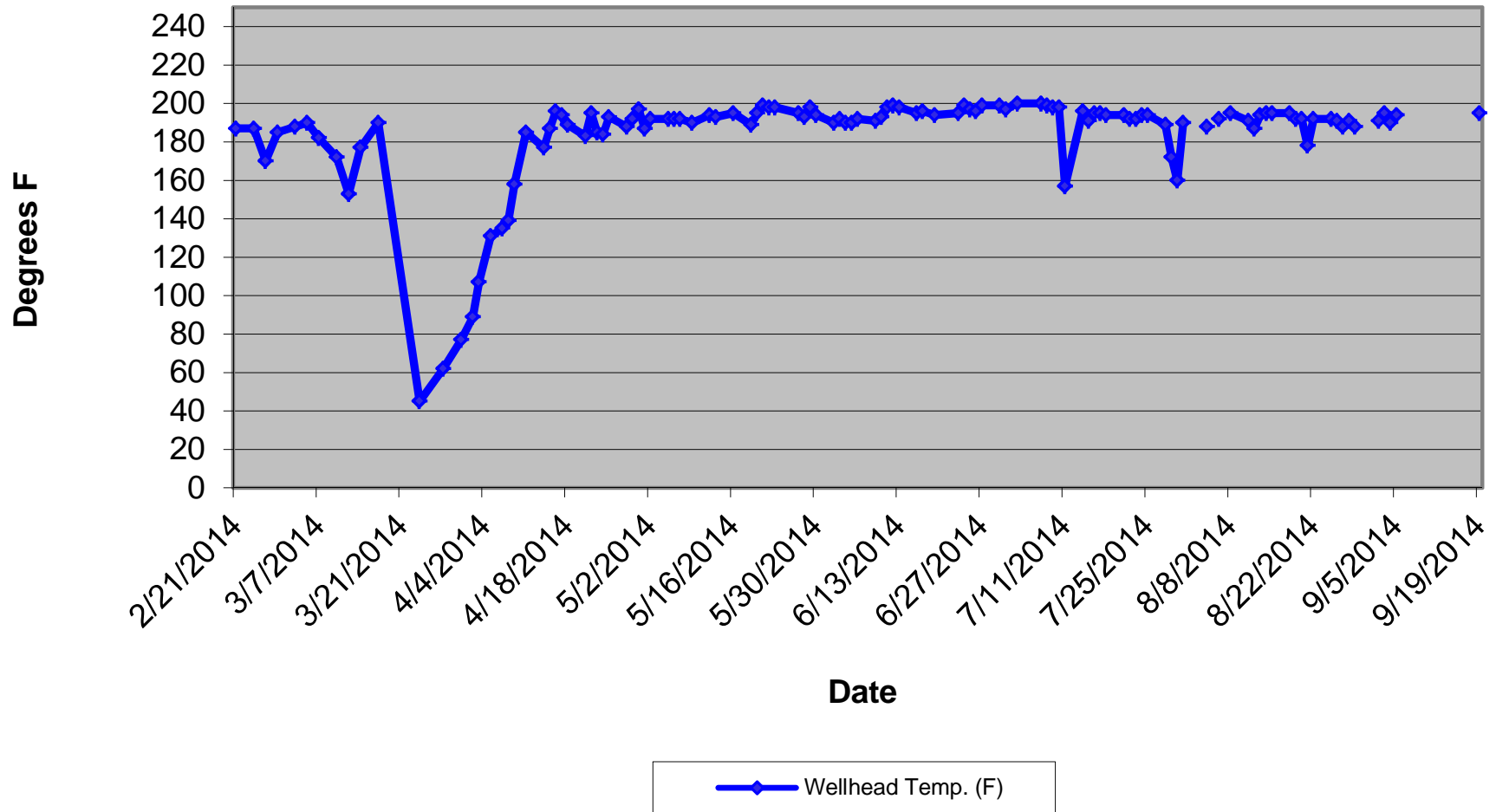
### GIW-1 Wellhead Temperatures



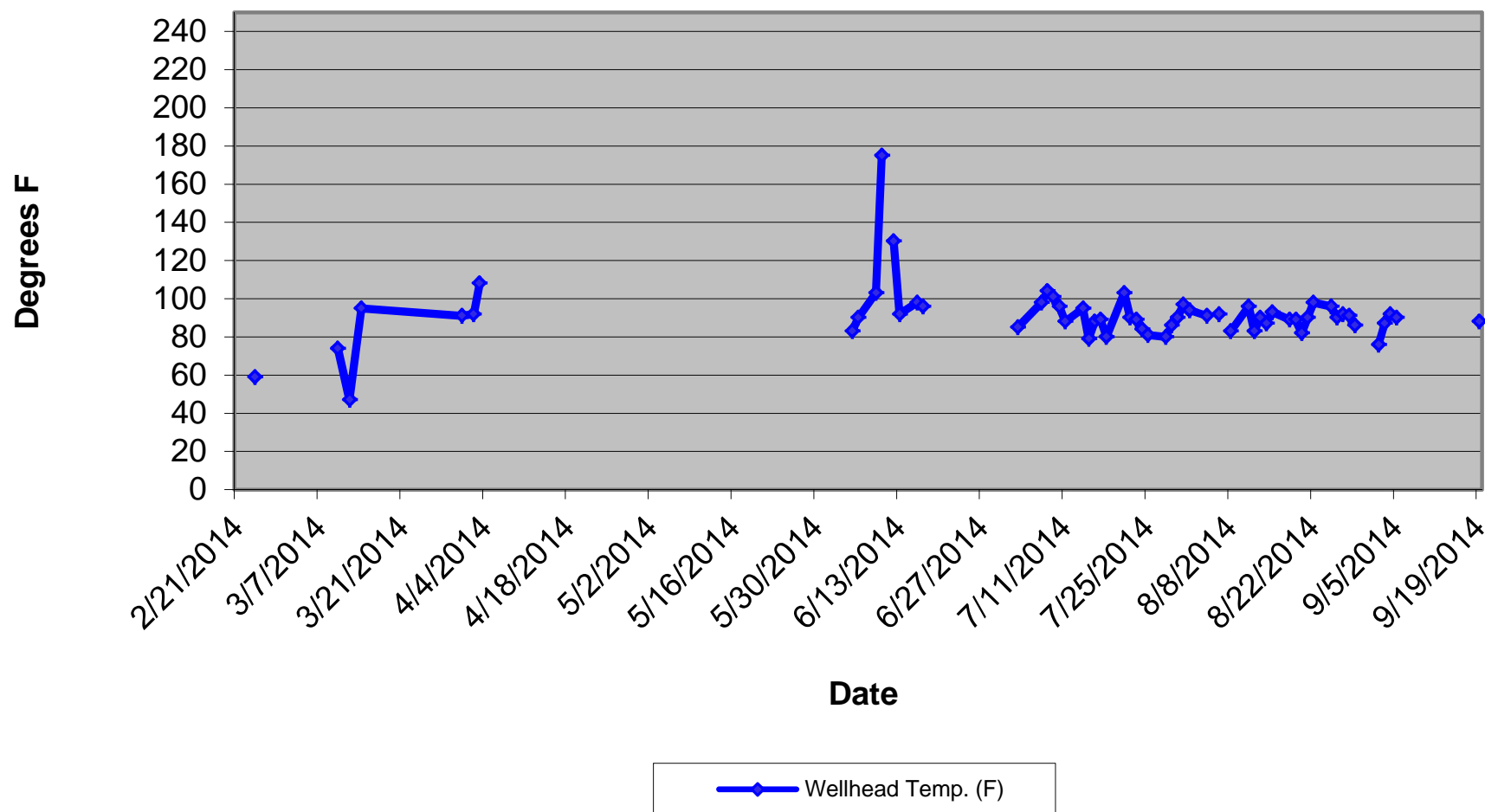
## GIW-2 Wellhead Temperatures



### GIW-3 Wellhead Temperatures

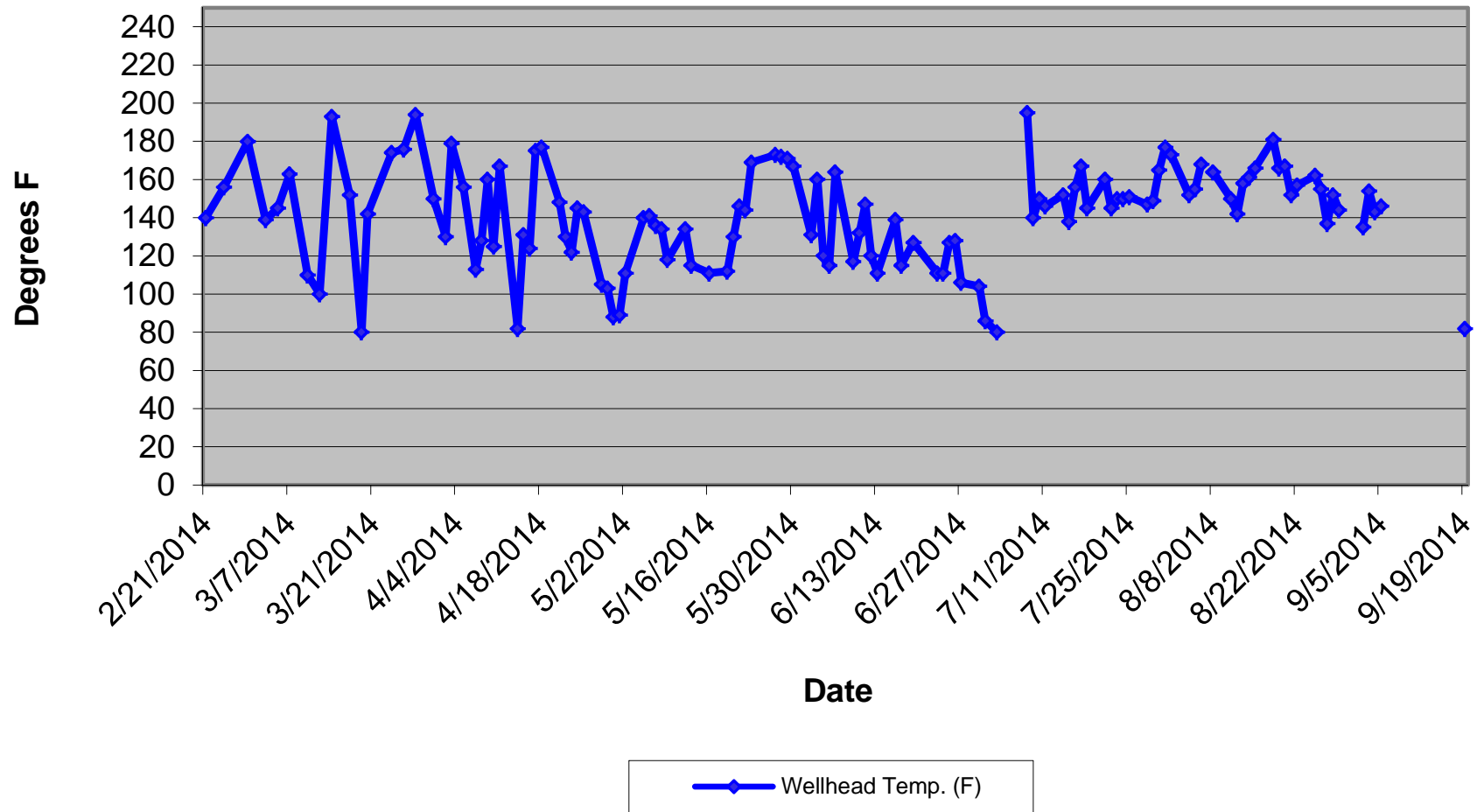


## GIW-4 Wellhead Temperatures

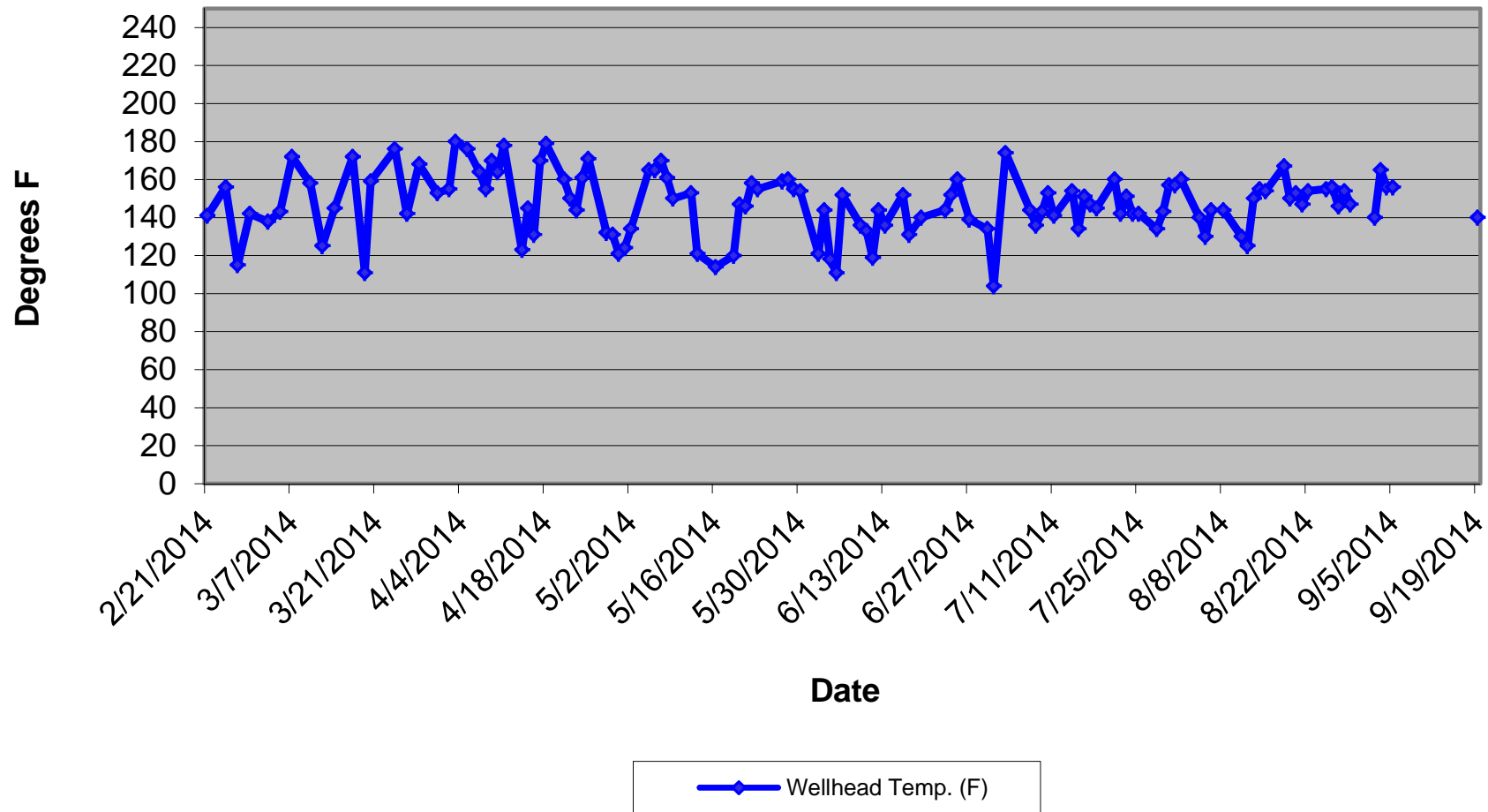




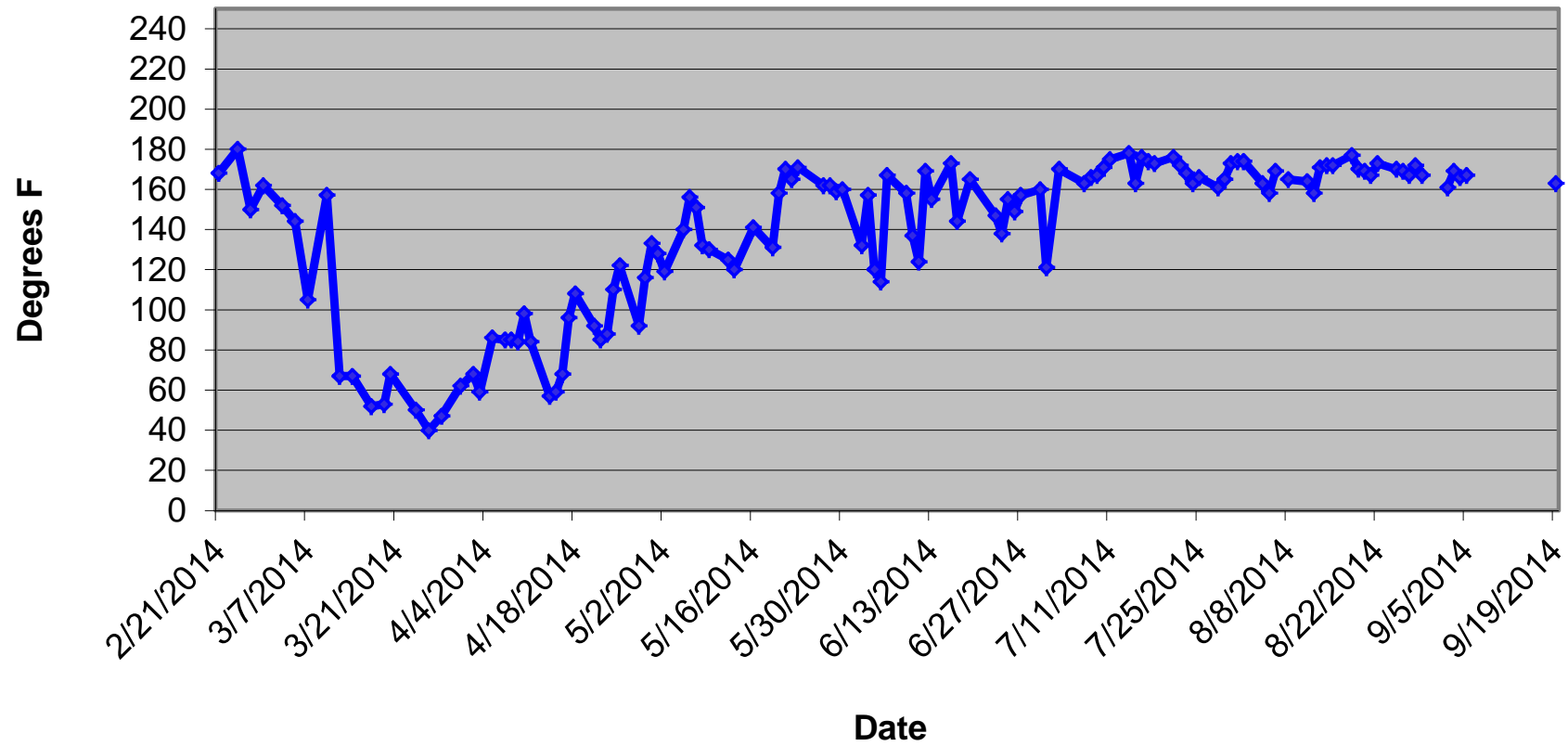
**GIW-5 Wellhead Temperatures**



## GIW-6 Wellhead Temperatures

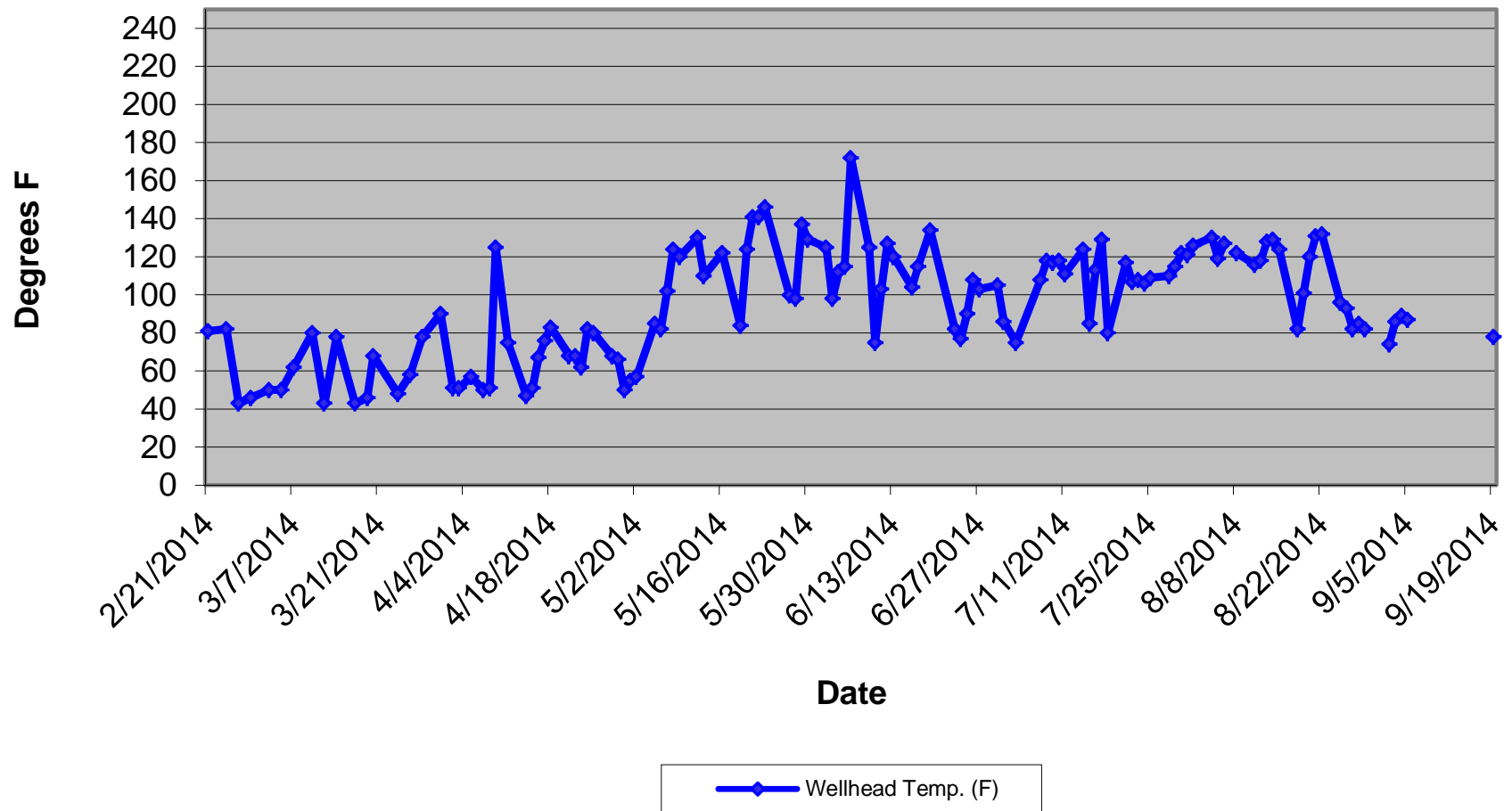


### GIW-7 Wellhead Temperatures

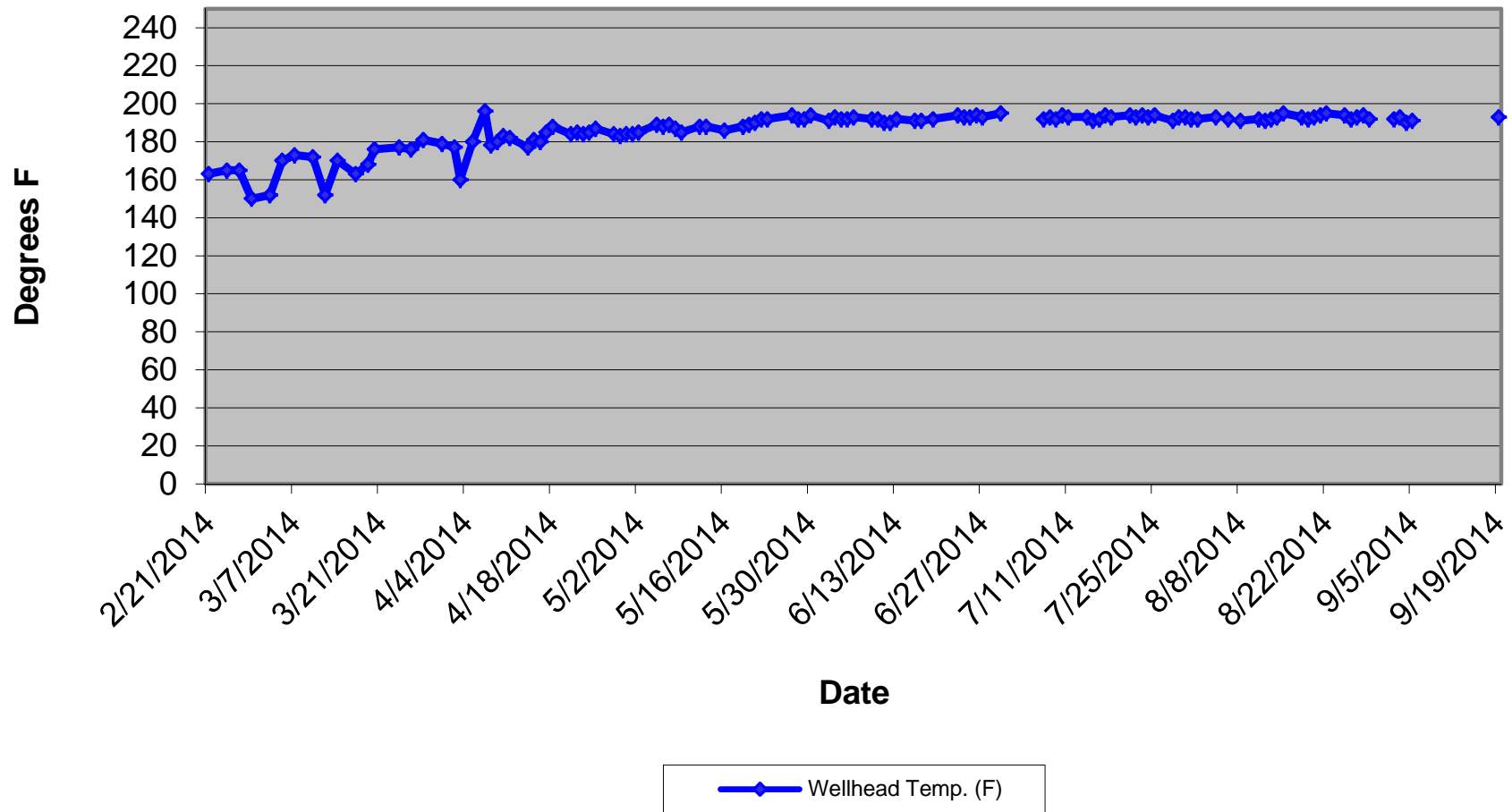


Wellhead Temp. (F)

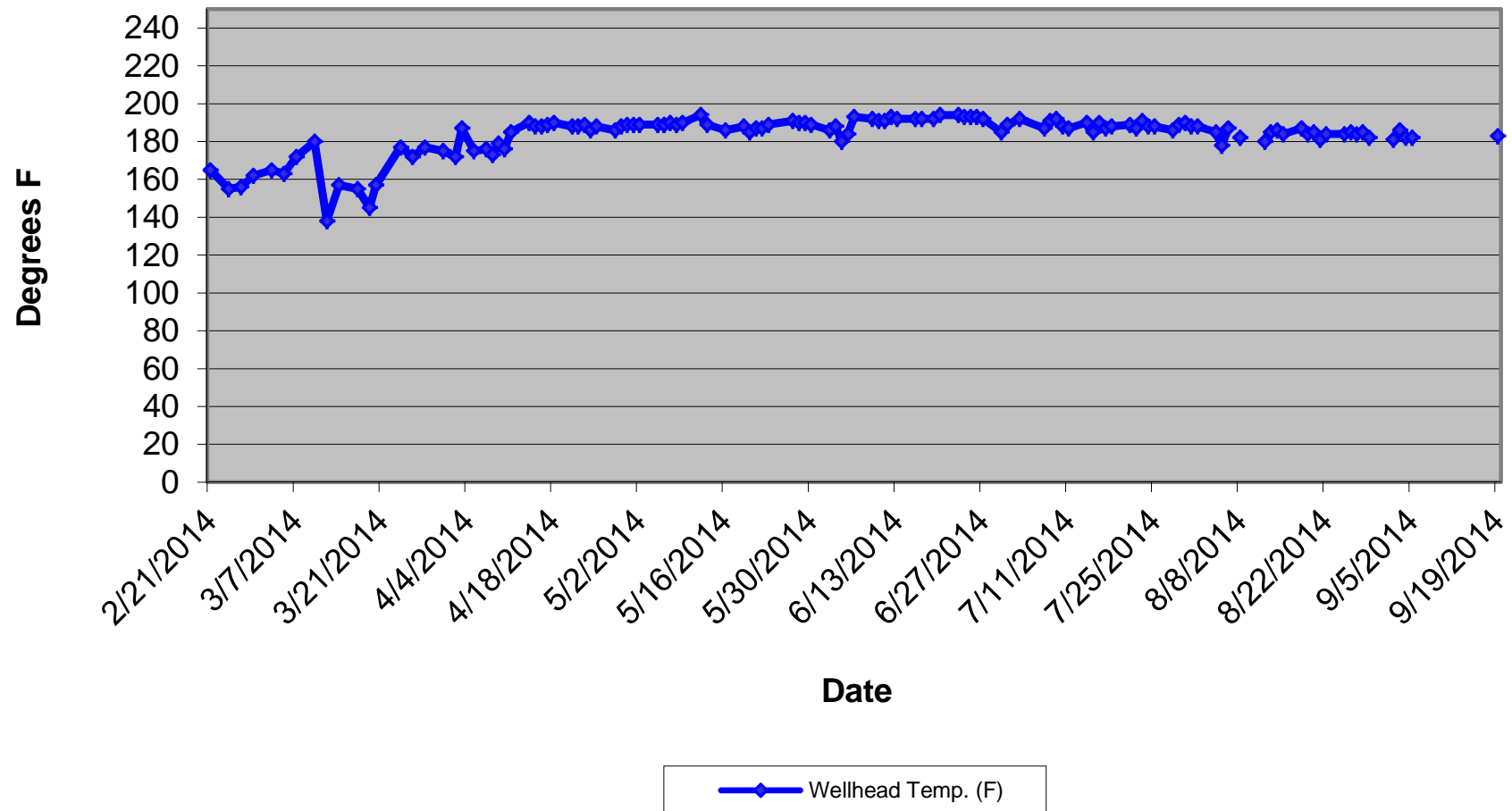
## GIW-8 Wellhead Temperatures



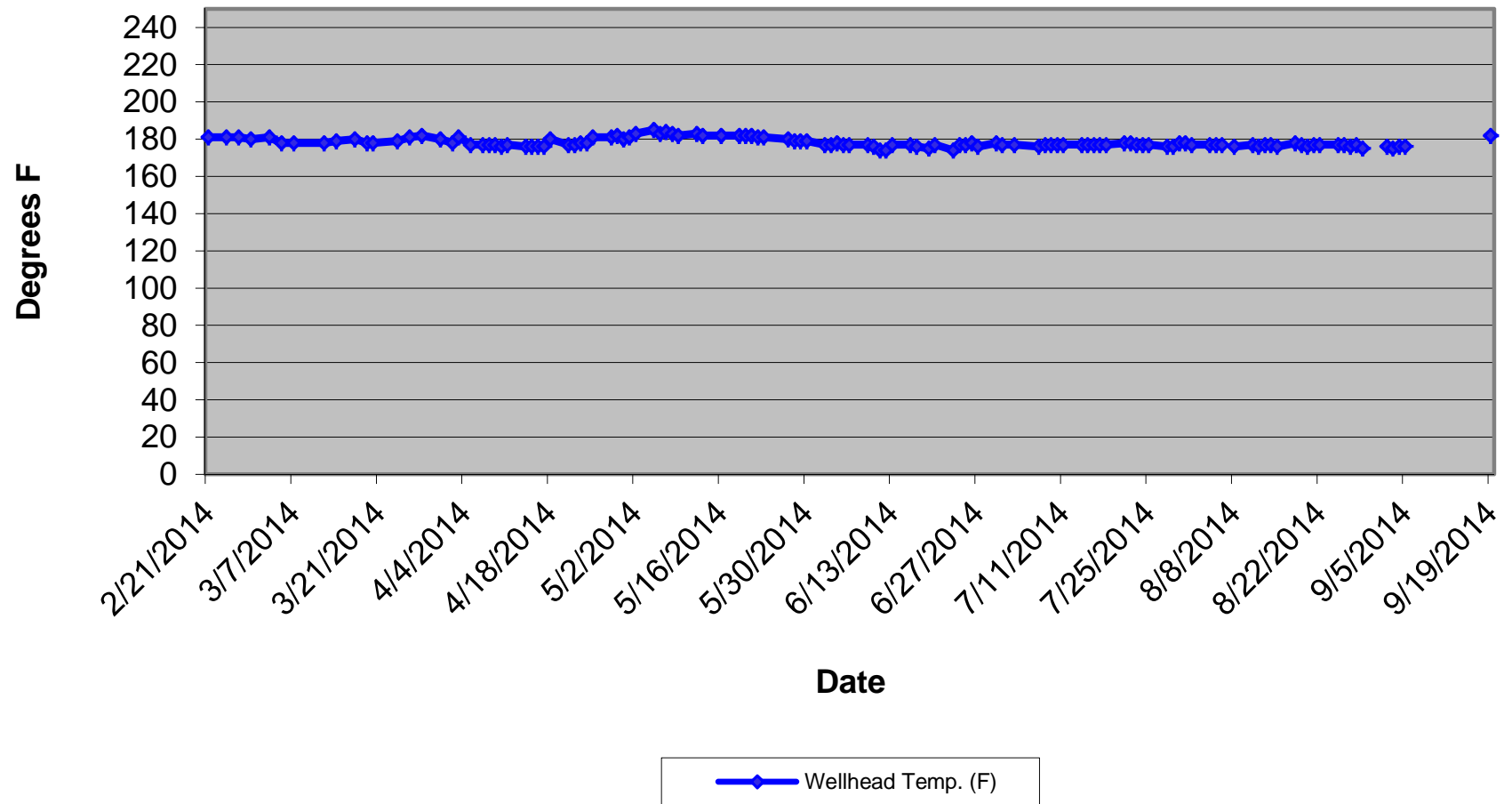
### GIW-9 Wellhead Temperatures



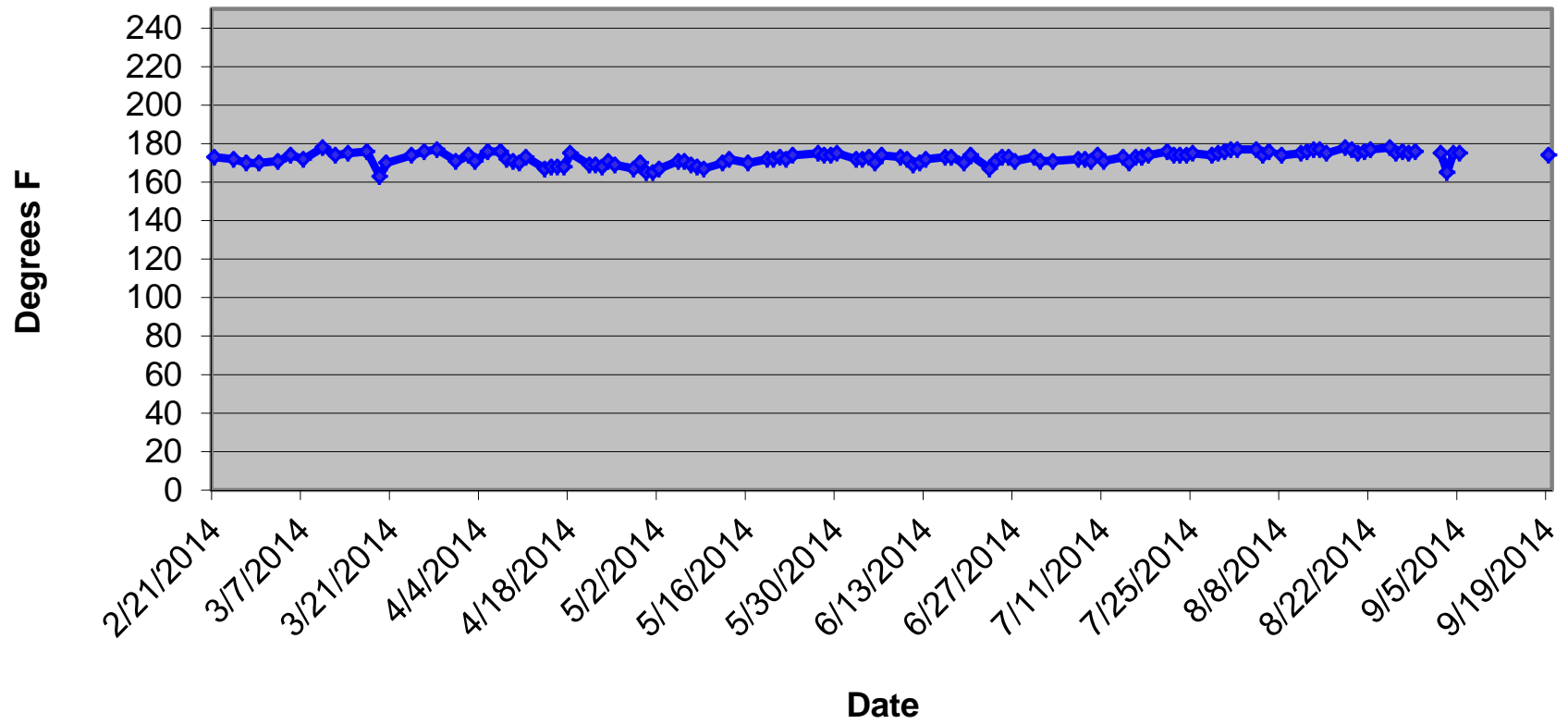
## GIW-10 Wellhead Temperatures



## GIW-11 Wellhead Temperatures



## GIW-12 Wellhead Temperatures



Wellhead Temp. (F)



### GIW-13 Wellhead Temperatures

