*Solution set:*

Activity questions (refer for graph for 2009 or data for 2009)

1) Was the beginning of January in 2009 colder or warmer than average? *Warmer*

2) Which month(s) had the highest daily maximum readings? *July*

3) Which month(s) had the lowest daily minimum readings? *December*

4) Which month(s) had days where average daily temperature greater than the climatological average? *Jan, Feb, and March*

5) What do the dashed lines represent? *Lower dashed line is Freezing and upper is 90 degrees F*

6) Which January was colder, 2090 or 2010? *2010*

7) What day(s) had the coldest minimum temp in March 2009? Warmest minimum temp? *March 2 coldest, March 8 warmest*

8) What day(s) had the warmest maximum temp in March 2009? Coldest maximum temp?

*March 2 coldest, March 10-11 warmest*

9) What day(s) had the coldest average daily temp? Warmest average daily temp?

*March 2 coldest, March 8 warmest*

10) What is the Monthly Mean temperature?

*65.3*

11) How does March 2009 compare to the 30-year average? Is the Monthly mean temperature you determined less than, within, or greater than the climatological average?

*Within 30-year climatological range*

12) What month(s) are on average colder? *Jan, Feb, and Dec*

13) What month(s) are on average warmer? *Jun, July, and Aug*

14) What month has the highest range of temperature? The lowest range? *Highest October 23.3 degrees F, Lowest July 18 degrees*

Quiz:

1. What is the Monthly Mean Temperature for March 2009?

*65.3 degrees F*

1. What is the lower dashed line on the Annual Plot?

*Freezing point of water*

1. What day had the coldest minimum temp in March 2009? Warmest minimum temp?

*March 2 and March 8*

1. How does Monthly Mean temperature for March 2009 that you calculated compare to the 30-year climatological average and range?

*Within climatological range*

1. What month has the highest range of temperature? The lowest range?

*October and July*