Assignment 4 - Show Me the Data. Go get it too!

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1. While looking at the request placed In “GetNDFDWeatherForPlace.py” file, it appears as if the call made from the National Weather Service website gives back a result in the local time of the location queried. While parsing the data, the local time of the machine running the system is used to process the data. This becomes an issue as the time differences between the location of the query and the local time grow. To fix this issue, both times must be operating on the same time zone to correctly display the right image. This can be done by either shifting the current time to match the target time or vice versa.
2. This did not work for several zipcodes I tried including Rapid City, South Dakota (zipcode 57701). Instead, I chose San Diego, California (zipcode 92129). The XML link is:

<http://www.wrh.noaa.gov/mesowest/getobextXml.php?sid=DMHSD&num=72>

1. I used Element Tree. This is the XML parsing package used in the example code. The reason I chose this package is for simplicity of use. Saved in files for this problem are parse.py, data.txt, and data.csv.
2. The graph for Temperature over Time can be found at graph.png
3. The source code for this can be found as histogram.py with output files as histogram.csv and histogram.png
4. This file is named as getairtemp.py