Weather Man

Attached files contain weather data for different areas and different time spans. Write an application that generates the following reports.

1. For a given year display the highest temperature and day, lowest temperature and day, most humid day and humidity.

**python weatherman.py -e 2002 /path/to/filesFolder**

Highest: 45C on June 23

Lowest: 01C on December 22

Humid: 95% on August 14

2. For a given month display the average highest temperature, average lowest temperature, average humidity.

**python weatherman.py -a 2005/6 /path/to/files**

Highest Average: 39C

Lowest Average: 18C

Average Humidity: 71%

3. For a given month draw two horizontal bar charts on the console for the highest and lowest temperature on each day. Highest in red and lowest in blue.

**python weatherman.py -c 2011/03 /path/to/files**

March 2011

*01 ++++++++++++++++++++++++ 25C*

*01 +++++++++++ 11C*

*02 +++++++++++++++++++++ 22C*

*02 ++++++++ 08C*

4. BONUS TASK. For a given month draw one horizontal bar chart on the console for the highest and lowest temperature on each day. Highest in red and lowest in blue.

**python weatherman.py -c 2011/3 /path/to/files**

March 2011

*01 +++++++++++++++++++++++++++++++++++ 11C - 25C*

*02 +++++++++++++++++++++++++++++ 08C - 22C*