

**Meteo 1 Fall 2012**

**Activity 6 Weather Forecasting (2 parts)**

**30 points!**

**Part 1 Forecast:**

Prepare a weather forecast for two cities (one on the west coast and one on the interior, like Utah, Colorado, or Kansas). The forecast may be completed at any time before our next class. The forecast needs to be completed the day before the intended forecast day (eg. if one is forecasting the weather on Wednesday, then one needs to complete the forecast before midnight of the night between Tuesday and Wednesday). The Part 2 comparison could be done the following day, the day of the forecast. This activity is due at our next class 11/19/12. The forecast consists of the following elements:

\*During the period from midnight - 11:59 PM, local time

**City 1 Coastal** \_\_\_\_\_

Maximum temperature\*

Justification for your maximum temperature forecast

Minimum temperature\*

Justification for your minimum temperature forecast

Wind speed at noon

Justification for your wind speed forecast

Wind direction at noon

Justification for your wind direction forecast

**City 2 Interior** \_\_\_\_\_

Maximum temperature\*

Justification for your maximum temperature forecast

Minimum temperature\*

Justification for your minimum temperature forecast

Wind speed at noon

Justification for your wind speed forecast

Wind direction at noon

Justification for your wind direction forecast

## Part 2 Comparison:

**City 1 Coastal** \_\_\_\_\_

Prepare a comparison summary for the two cities. The comparison Prepare a report with the following elements:

Maximum temperature\*

Comparison with your maximum temperature forecast

Minimum temperature\*

Comparison with your minimum temperature forecast

Wind speed at noon

Comparison with your wind speed forecast

Wind direction at noon

Comparison with your wind direction forecast

**City 2 Interior \_\_\_\_\_**

Prepare a comparison summary for the two cities. The comparison Prepare a report with the following elements:

Maximum temperature\*

Comparison with your maximum temperature forecast

Minimum temperature\*

Comparison with your minimum temperature forecast

Wind speed at noon

Comparison with your wind speed forecast

Wind direction at noon

Comparison with your wind direction forecast