



# Daily Weather Maps

**JULY 27, 2015 - AUGUST 2, 2015**

**Week 31**

The following charts are the principal 27 charts of the former National Weather Service publication, "Daily Weather Map." They are the Surface Weather Map, the 500-Millibar Height Contours chart, the Highest and Lowest Temperatures chart, and the Precipitation Areas and Amounts chart. All charts are derived from the operational weather maps prepared at the National Centers for Environmental Prediction, Weather Prediction Center, National Weather Service. The symbols on the Surface Weather Map and the 500-Millibar Height contours are standard international symbols.

The Surface Weather Map shows station data and the analysis for 7:00 a.m. EST. Areas of precipitation are indicated by shading. The weather reports displayed here are only a fraction of those on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from the absence of station reports not included here because of a lack of space.

The 500-Millibar Height Contours chart shows height contours (solid lines), temperatures (dashed lines) and winds (arrows) at the 500-Millibar pressure level at 7:00 a.m. EST. The height contours show the height of the 500-millibar pressure level in dekameters above sea level and isotherms, the lines of constant temperature, are shown in degrees Celsius. Arrows show the wind direction and speed at the 500-Millibar level.

The Highest and Lowest Temperature chart shows the maximum temperature for a period from 7:00 a.m. through 7:00 p.m. LST the previous day and the minimum temperature for the period from 7:00 p.m. LST the previous day through 8 a.m. The maximum temperature is plotted above the station location and the minimum temperature is plotted below.

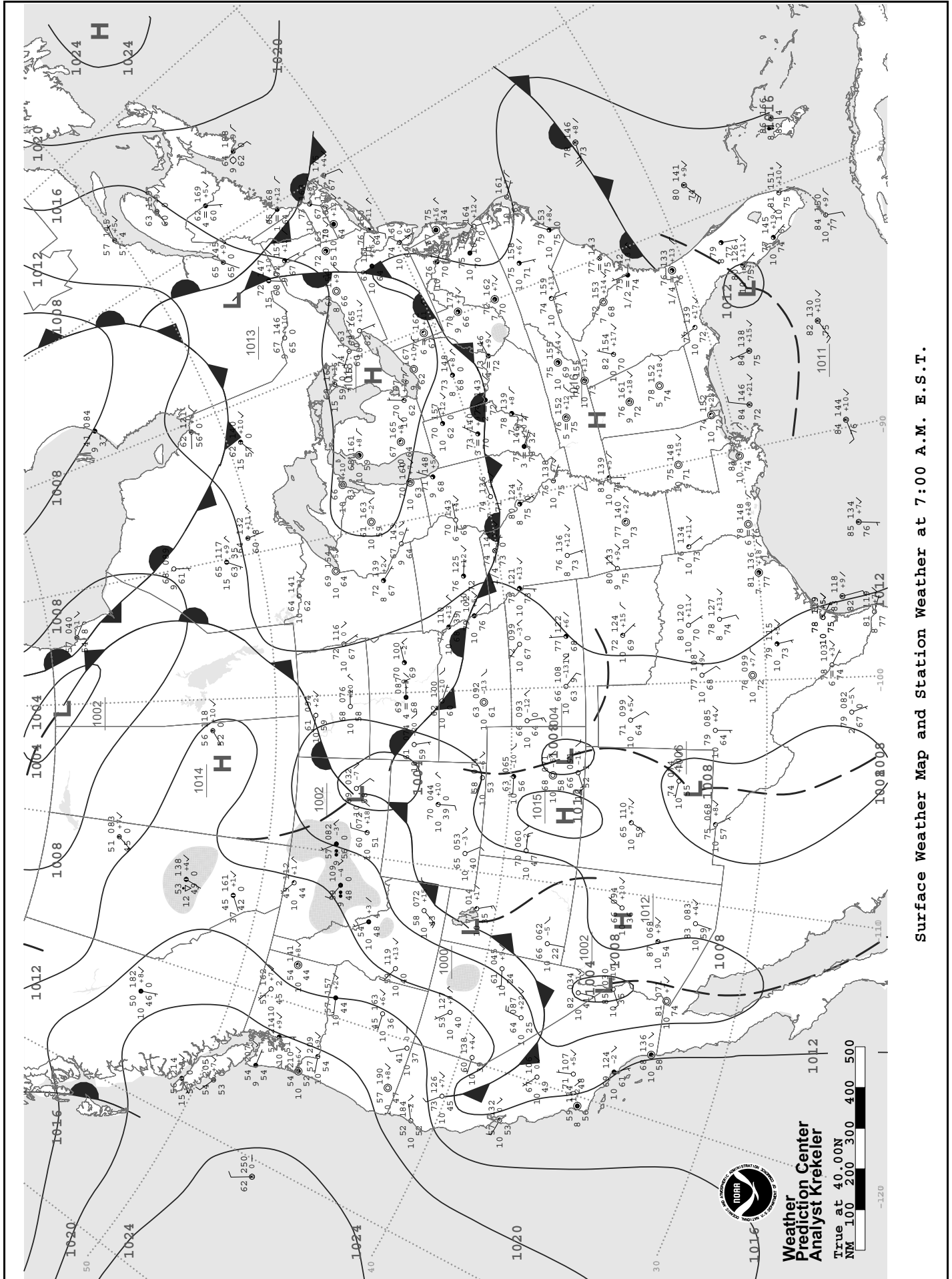
The Precipitation Areas and Amounts chart shows areas (shaded) that had precipitation during the 24 hours ending at 7:00 a.m. EST, with amounts to the nearest hundredth of an inch. "T" indicates a trace of precipitation.

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Correspondence to the meteorologists should be directed to: *Daily Weather Map*, NOAA/National Weather Service, Room 4640, 5830 University Research Court, College Park, MD 20740.

The *Daily Weather Map* is available online at [www.wpc.ncep.noaa.gov/dwm/dwm.shtml](http://www.wpc.ncep.noaa.gov/dwm/dwm.shtml).

Current WPC products are available online at [www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov)

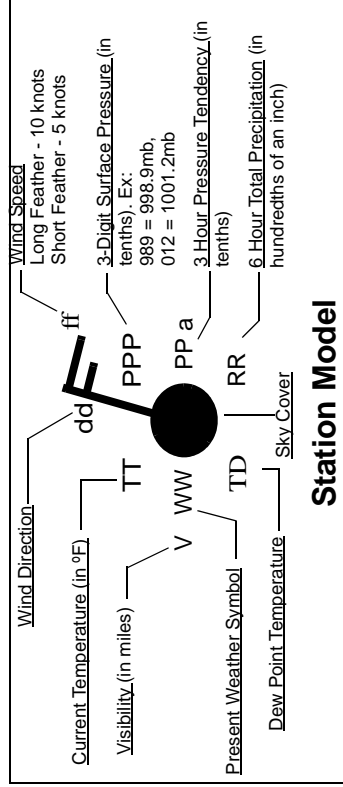
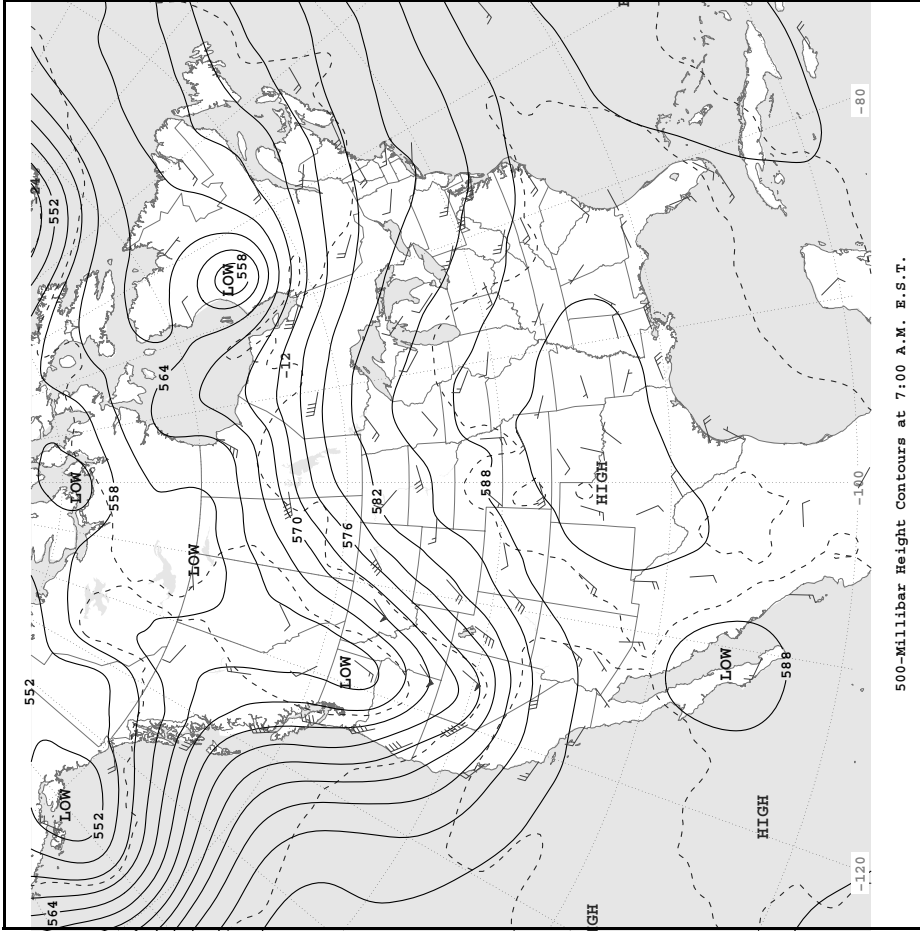


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

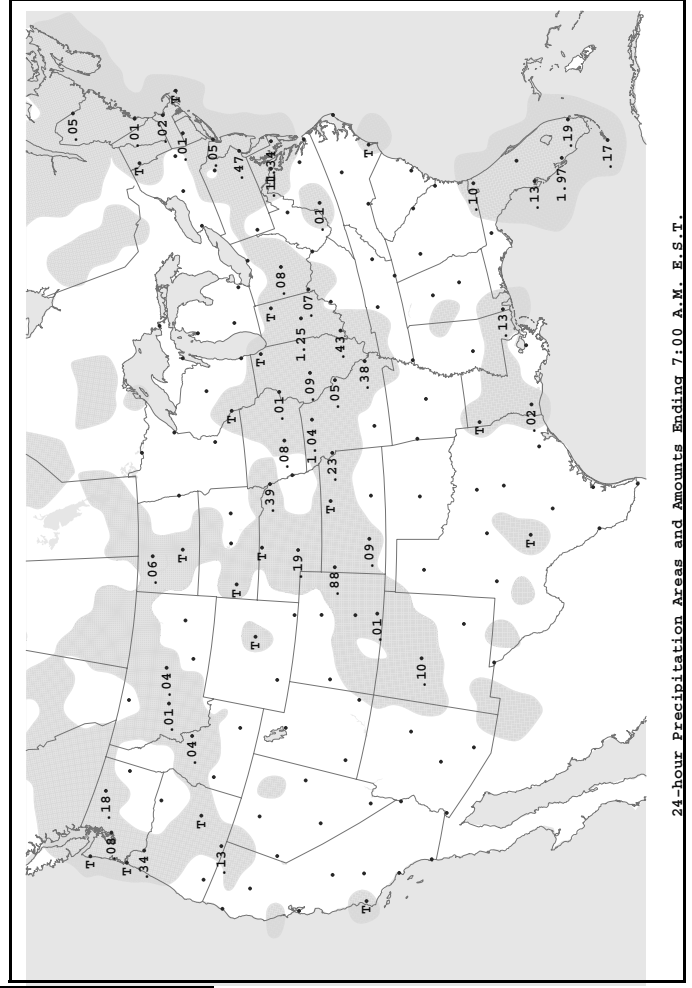
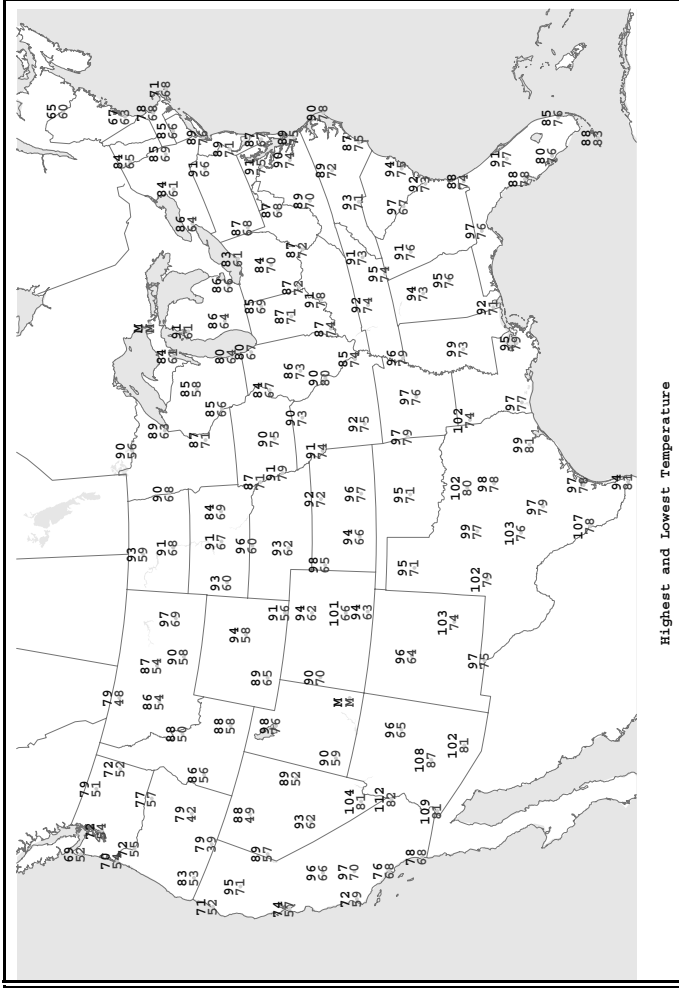
Weather Prediction Center  
Analyst Krekler

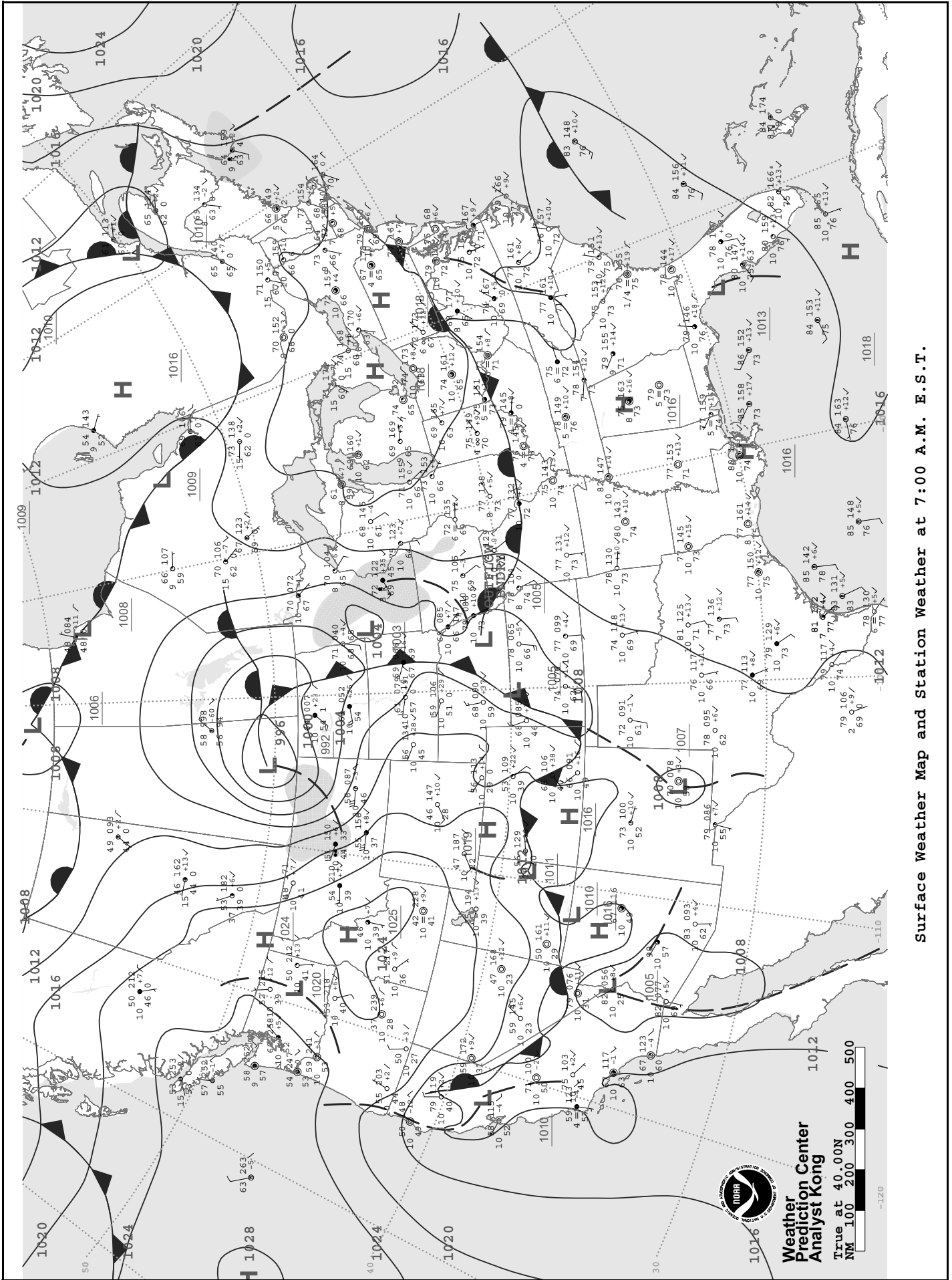
True at 40.00N  
NM 100 200 300 400 500





# MONDAY, JULY 27, 2015



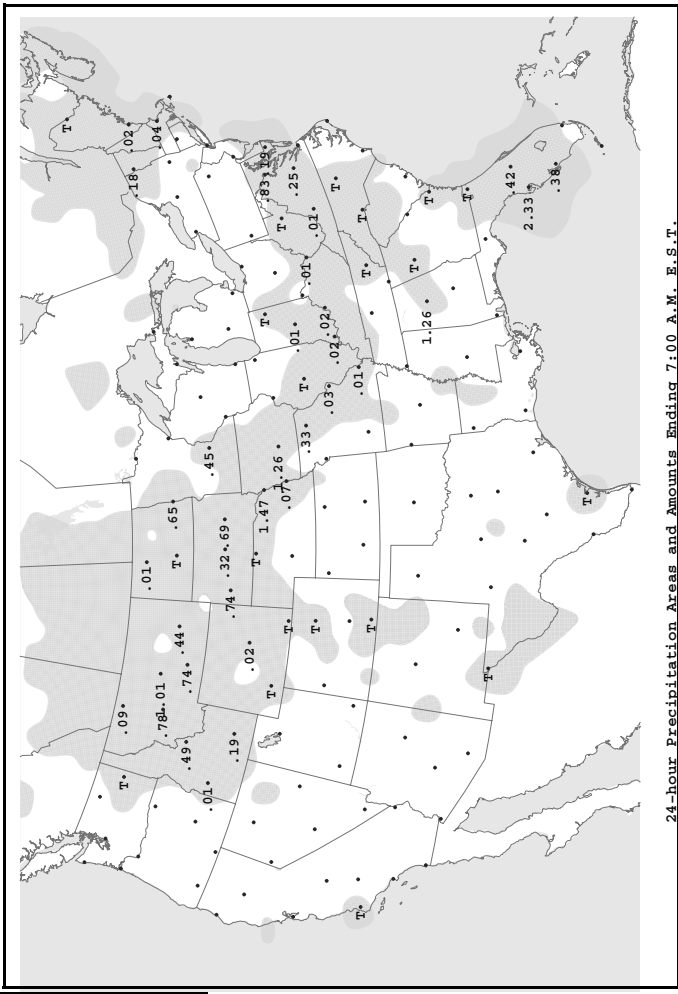
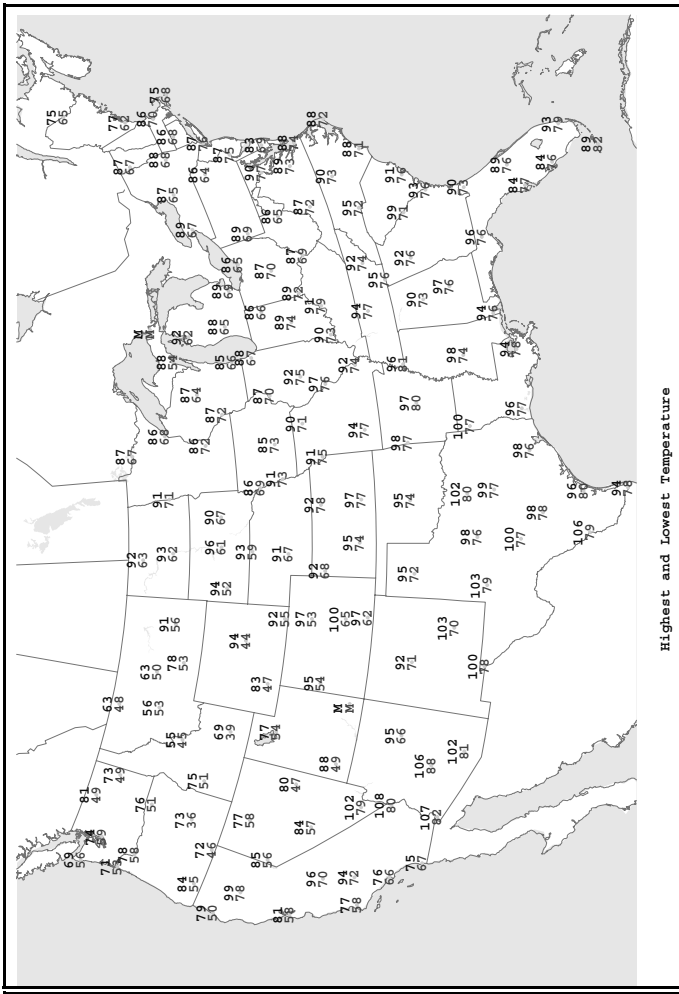
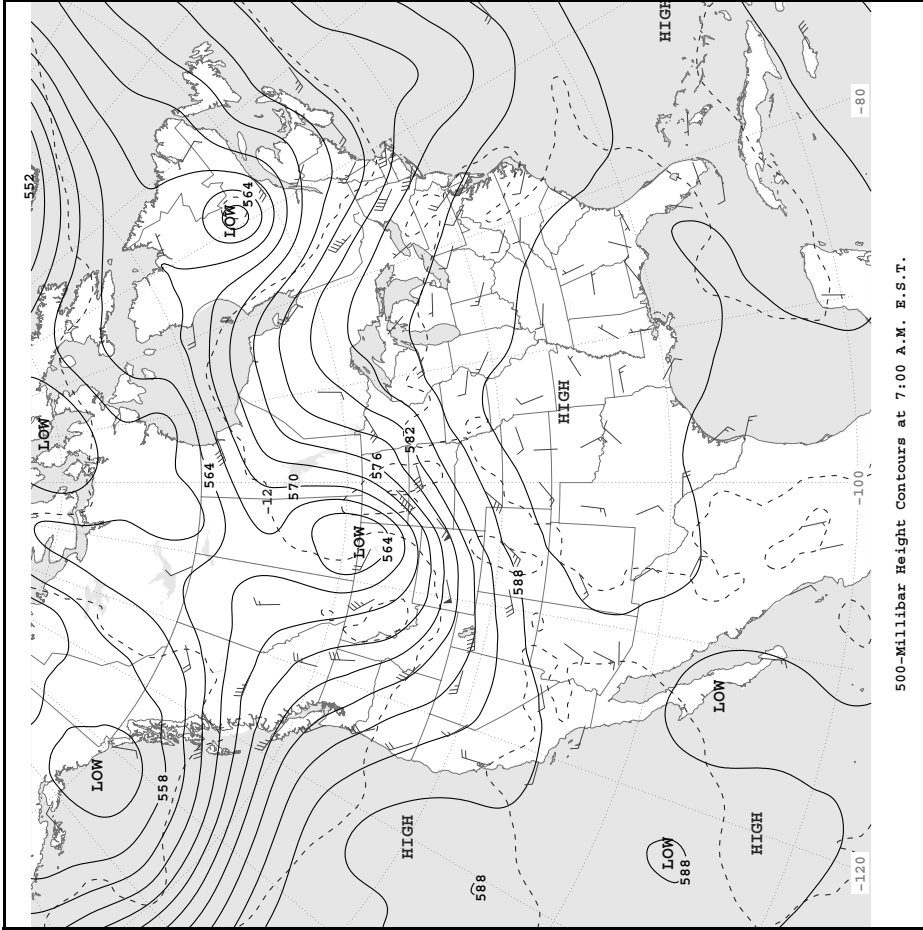


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

Weather Prediction Center  
Analyst Kong

True at 40.00N  
NM 100 200 300 400 500



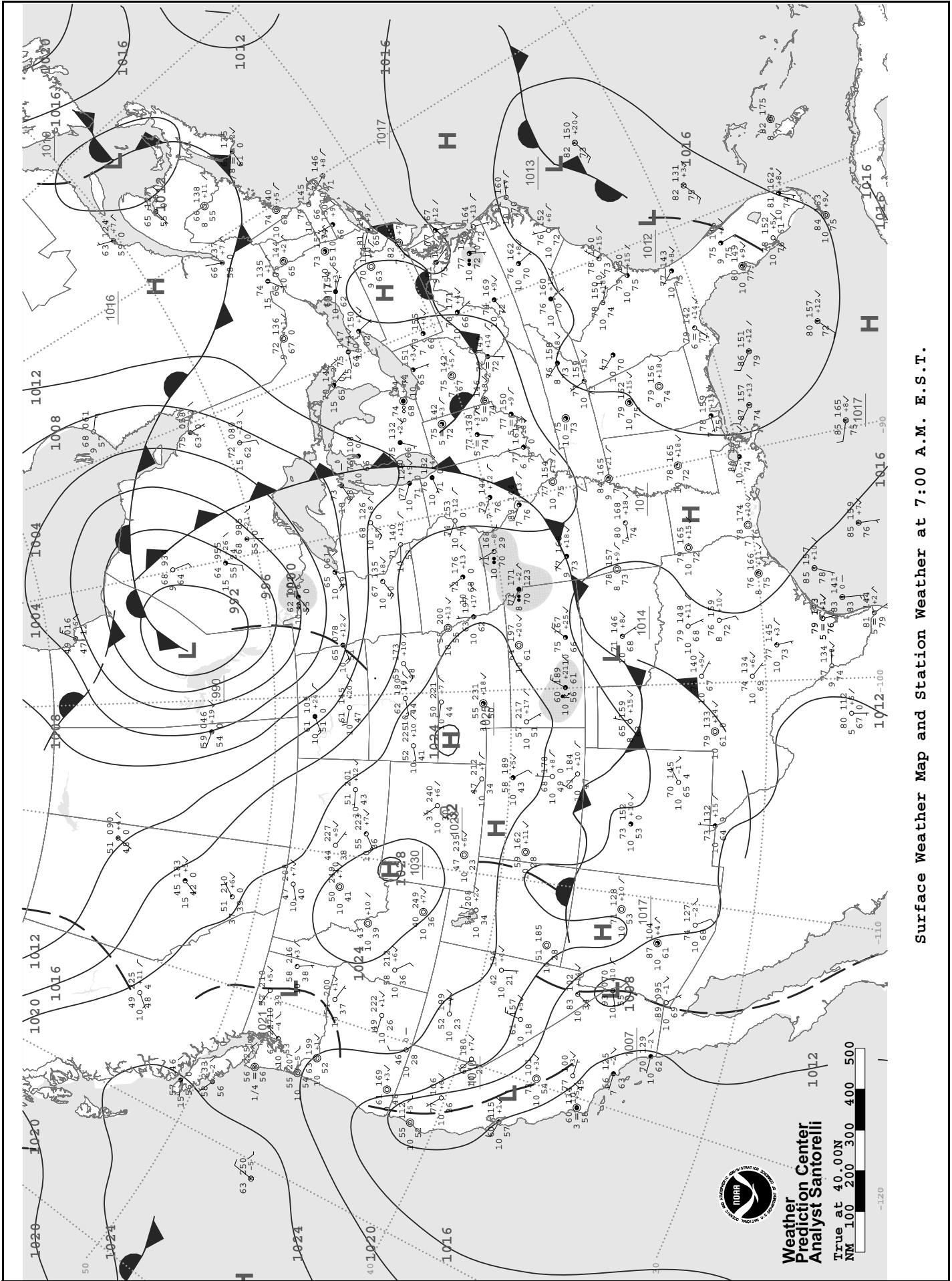


**Station Model**

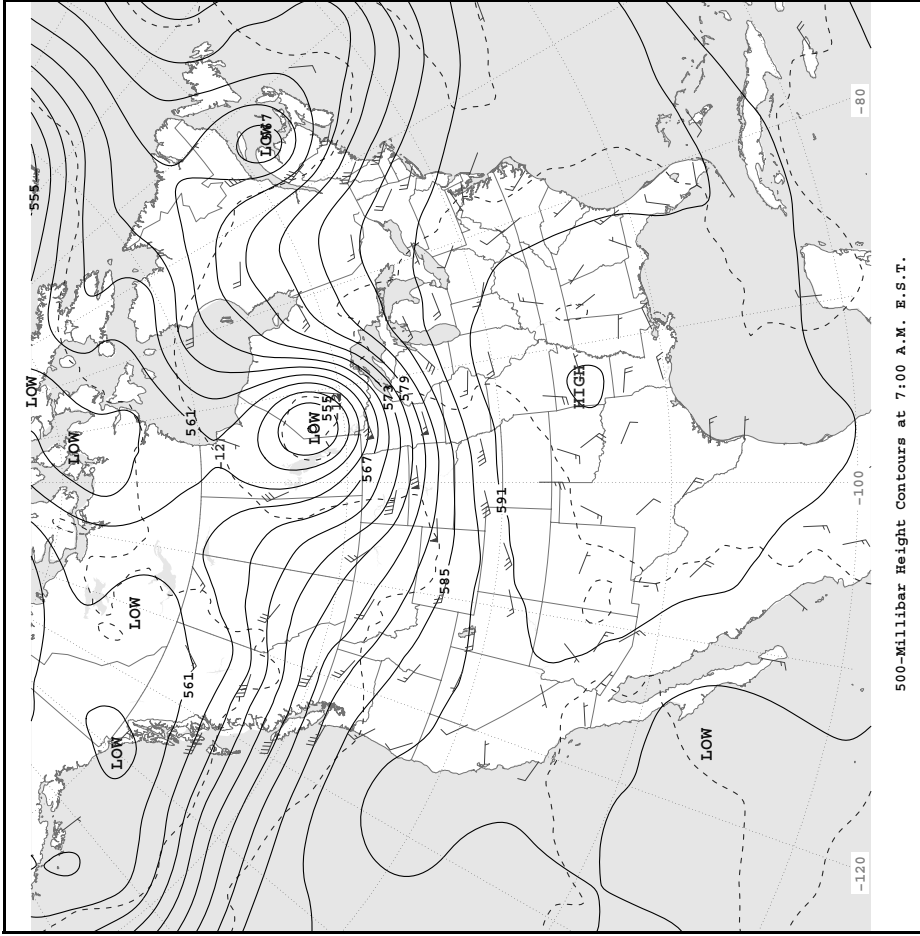
The station model diagram consists of the following elements:
 

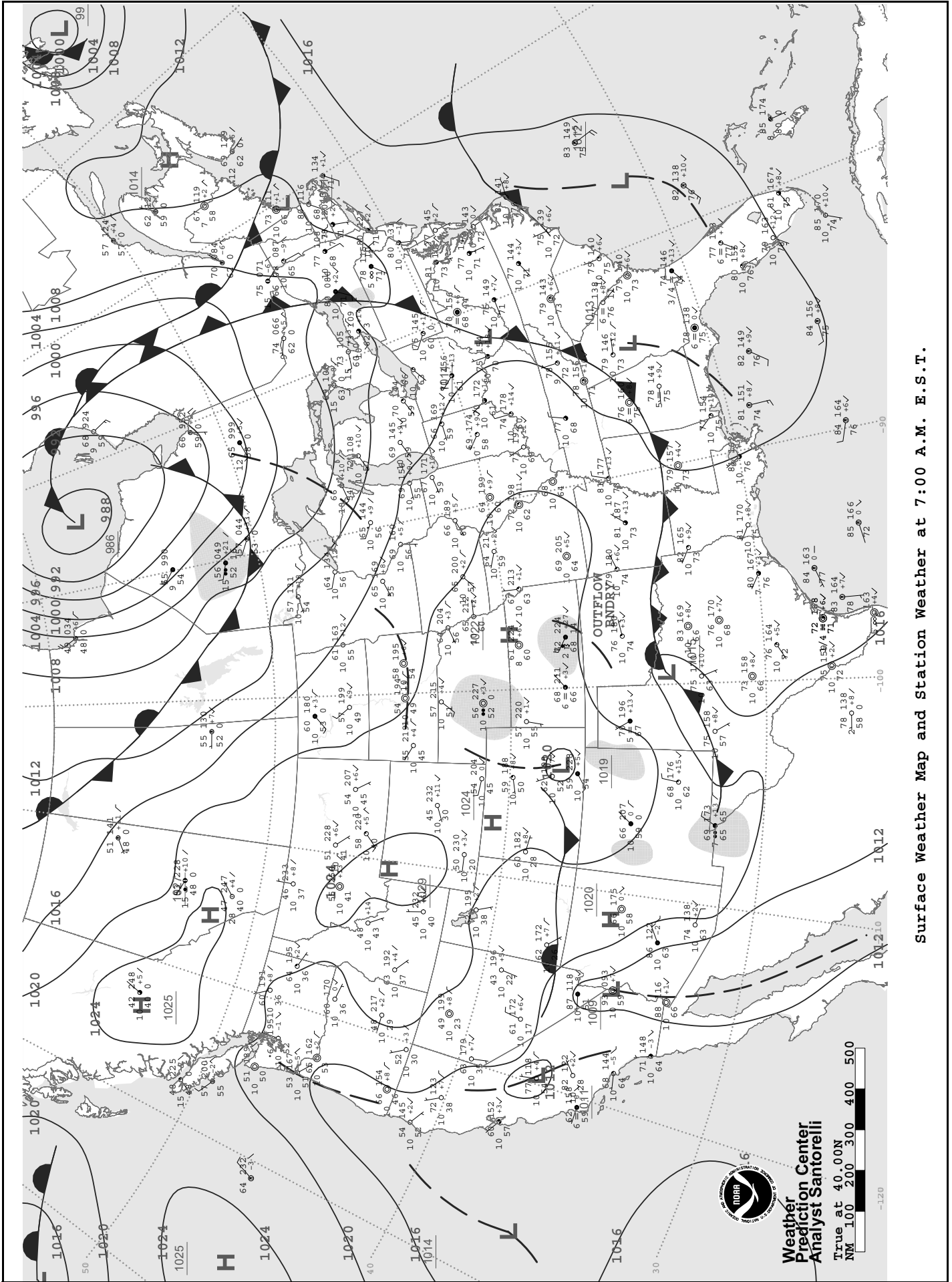
- Wind Direction:** Indicated by a line with a short feather (10 knots) and a long feather (5 knots).
- Current Temperature (in °F):** Represented by the number 'dd'.
- 3-Digit Surface Pressure (in tenths):** Represented by the number 'PPP'.
- 3 Hour Pressure Tendency (in tenths):** Represented by the number 'PP a'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Represented by the number 'RR'.
- Wind Speed:** Represented by the number 'ff'.
- 3-Digit Surface Pressure (in tenths):** Represented by the number 'PPP'.
- 3 Hour Pressure Tendency (in tenths):** Represented by the number 'PP a'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Represented by the number 'RR'.
- Present Weather Symbol:** Represented by the number 'V'.
- Dew Point Temperature:** Represented by the number 'TT'.
- Sky Cover:** Represented by the number 'Sky\_Cover'.

# TUESDAY, JULY 28, 2015



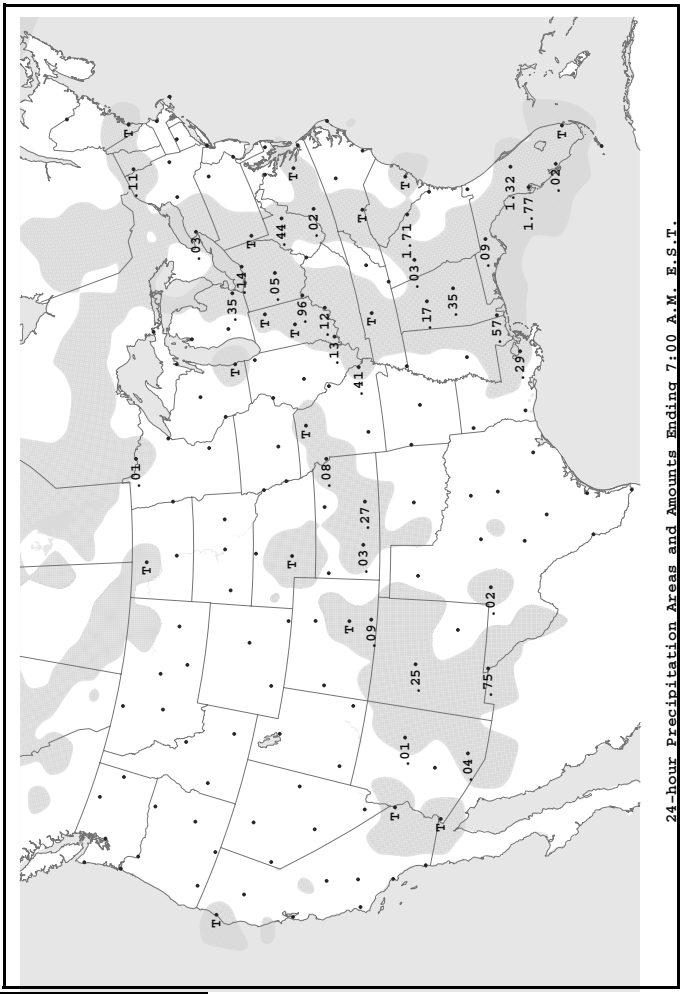
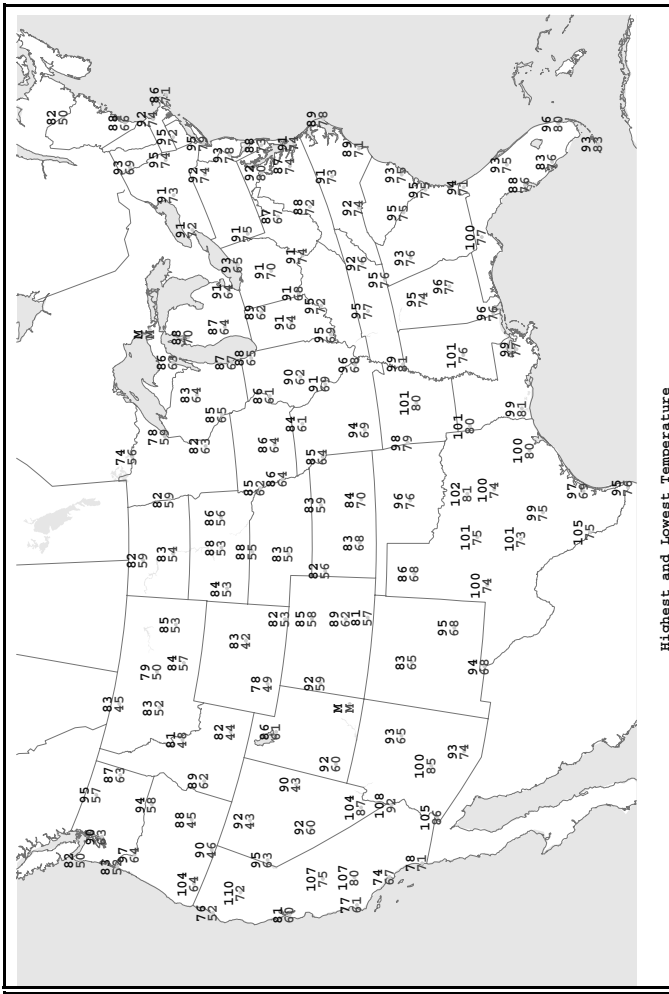
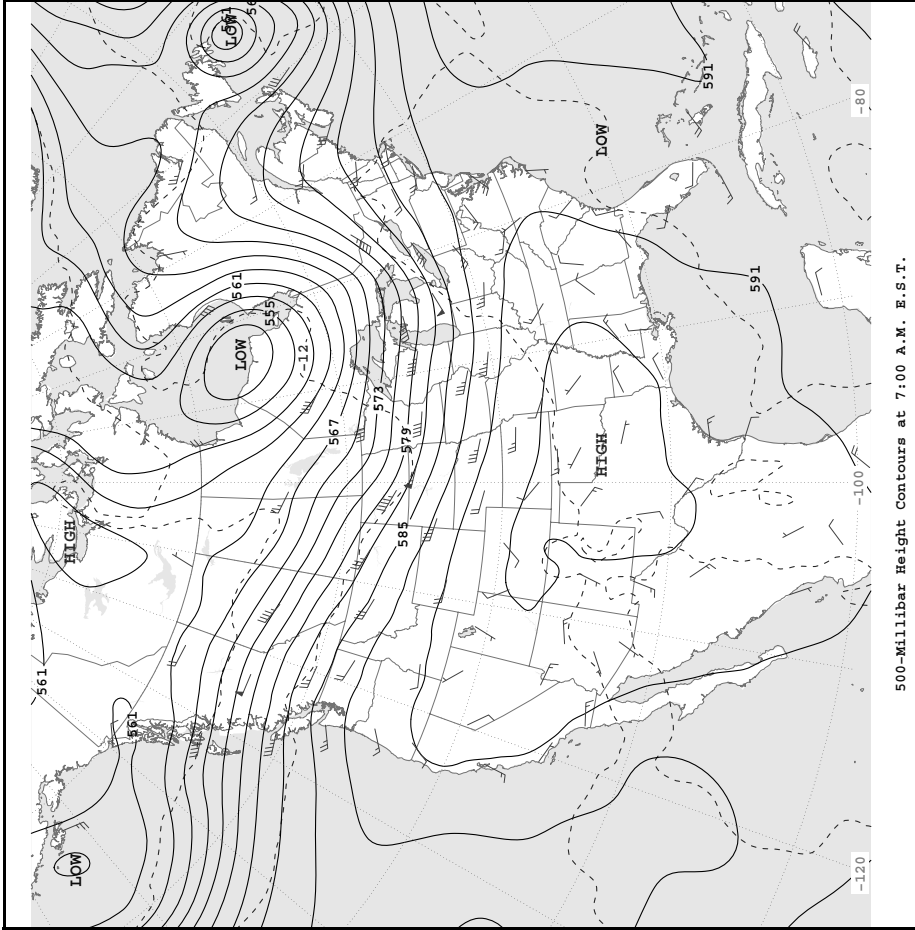
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.





Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.





**Station Model**

Wind Direction ——— Wind Speed  
 Long Feather - 10 knots  
 Short Feather - 5 knots

Current Temperature (in °F) — dd ———  
 Visibility (in miles) — V ———

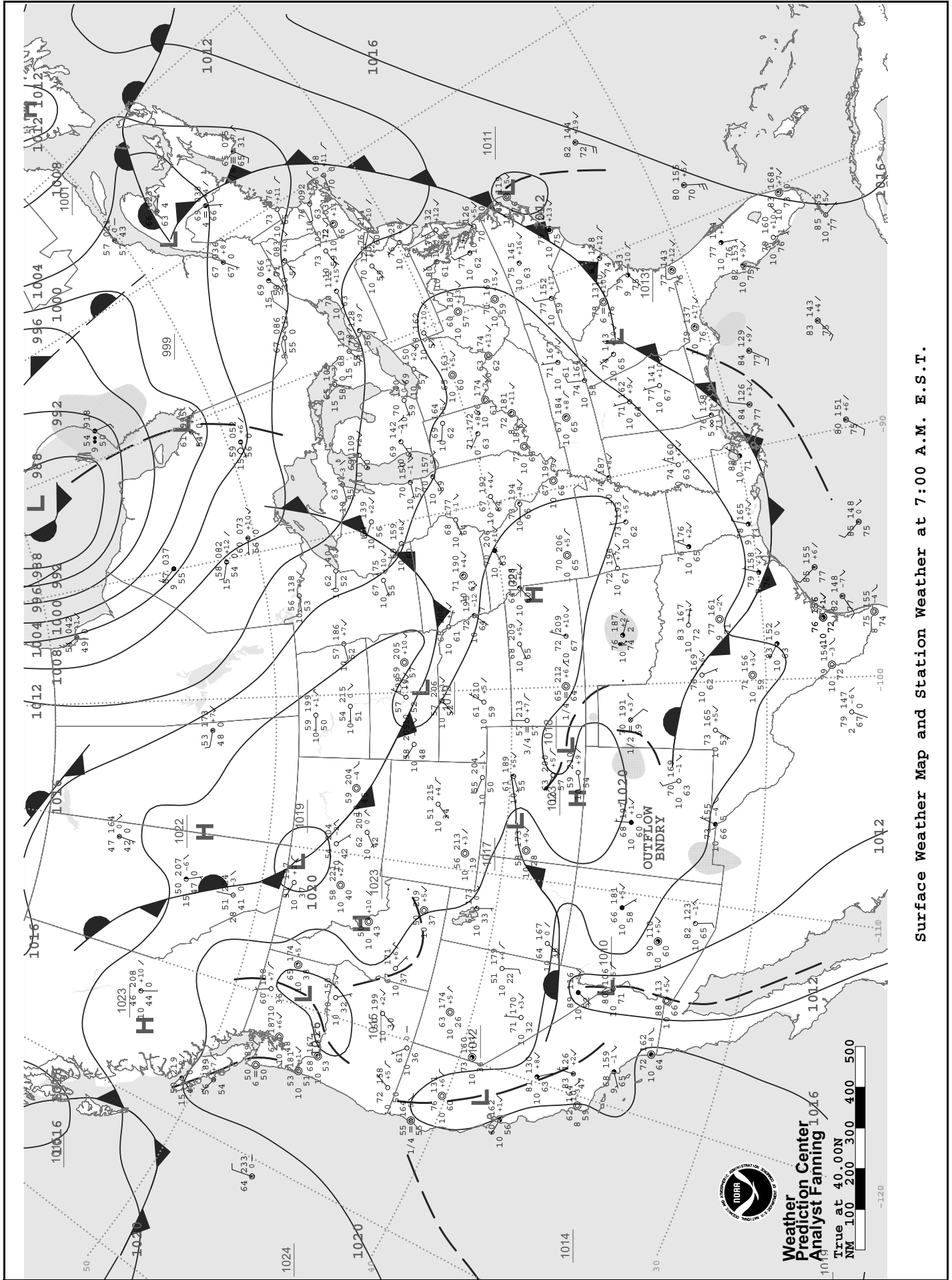
Present Weather Symbol ———  
 Dew Point Temperature ——— Sky\_Cover

3-Digit Surface Pressure (in tenths). Ex: 999 = 998.9mb, 012 = 1001.2mb

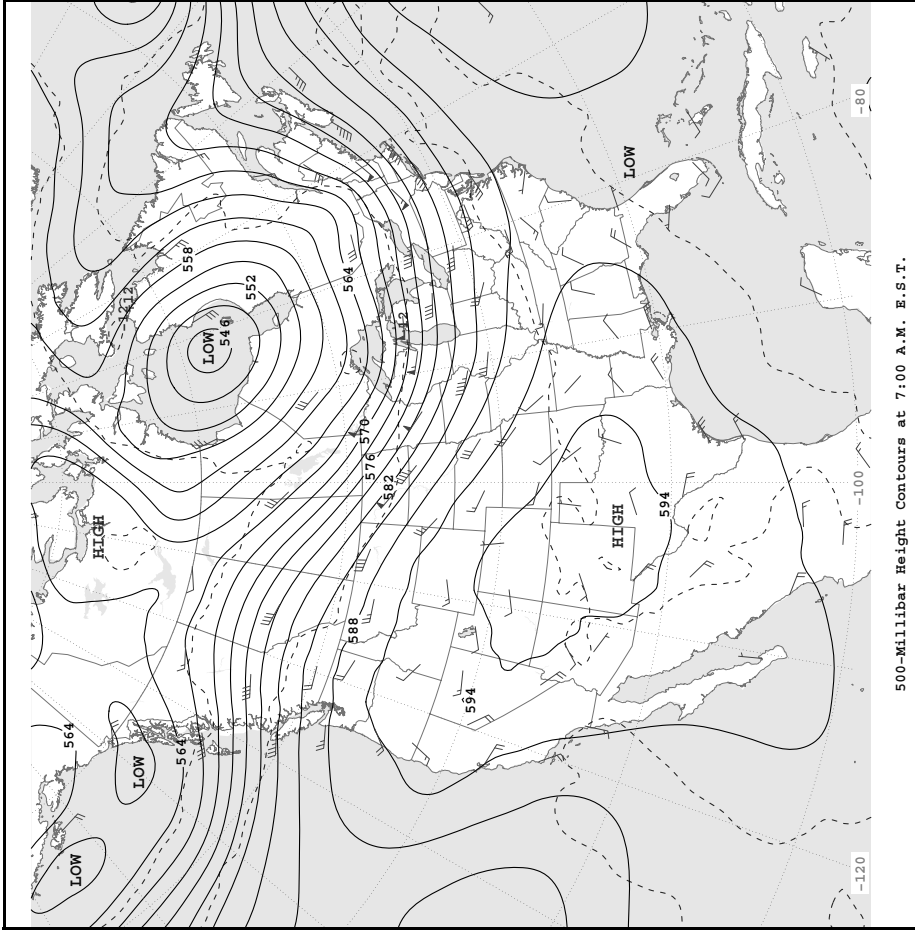
3 Hour Pressure Tendency (in tenths) — PP a ———

6 Hour Total Precipitation (in hundredths of an inch) — RR ———

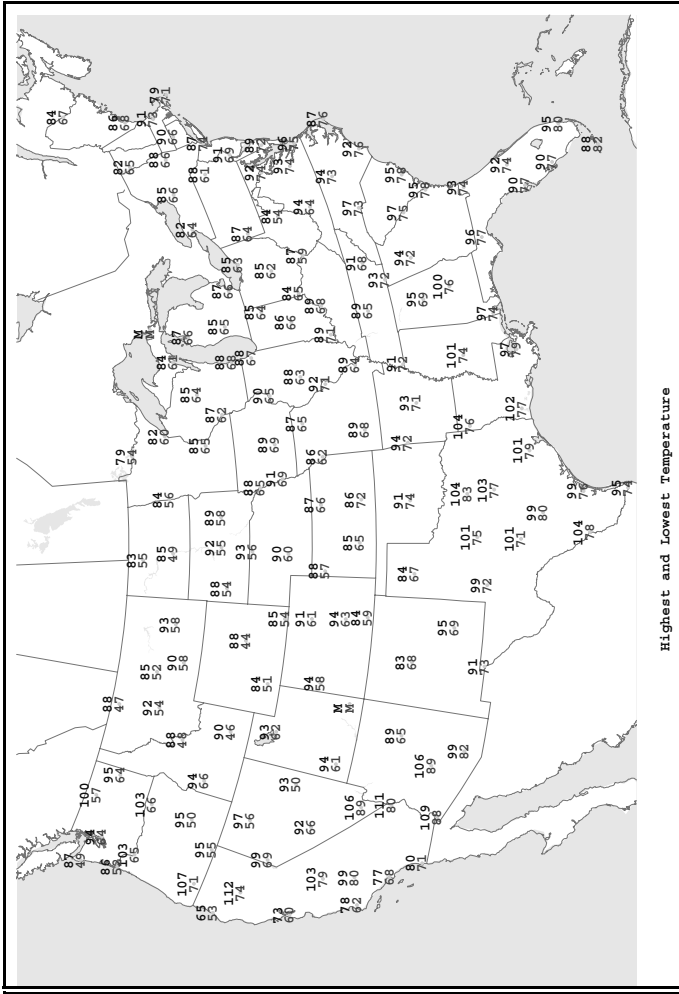
# THURSDAY, JULY 30, 2015



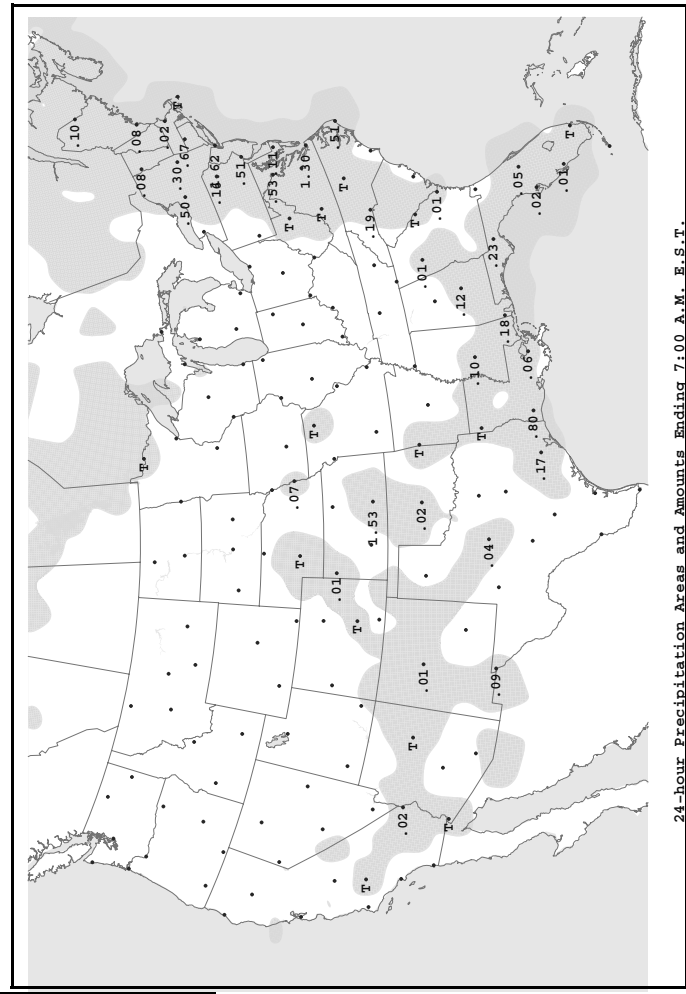
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



500-Millibar Height Contours at 7:00 A.M. E. S. T.



Highest and Lowest Temperature

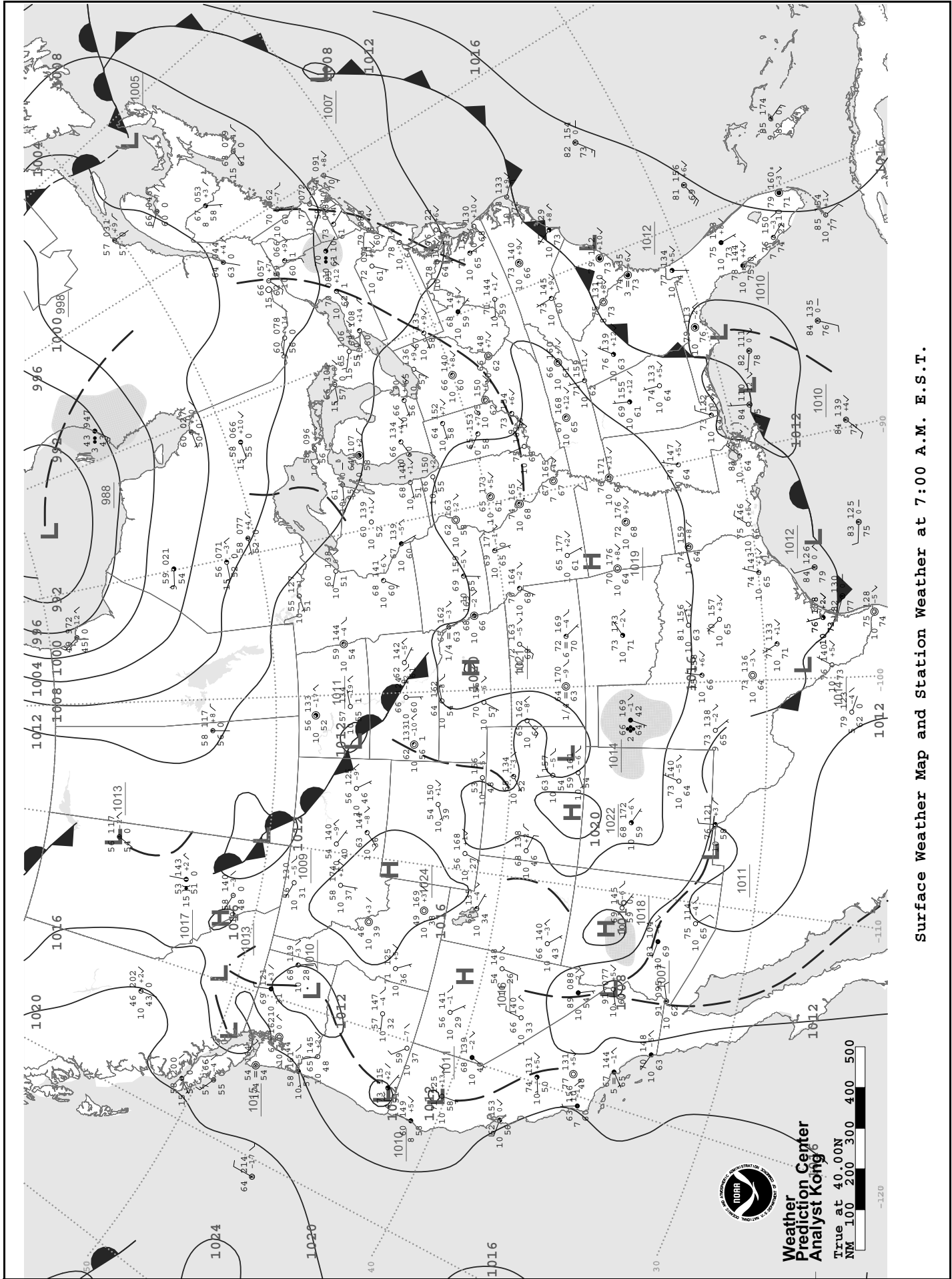


24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E. S. T.

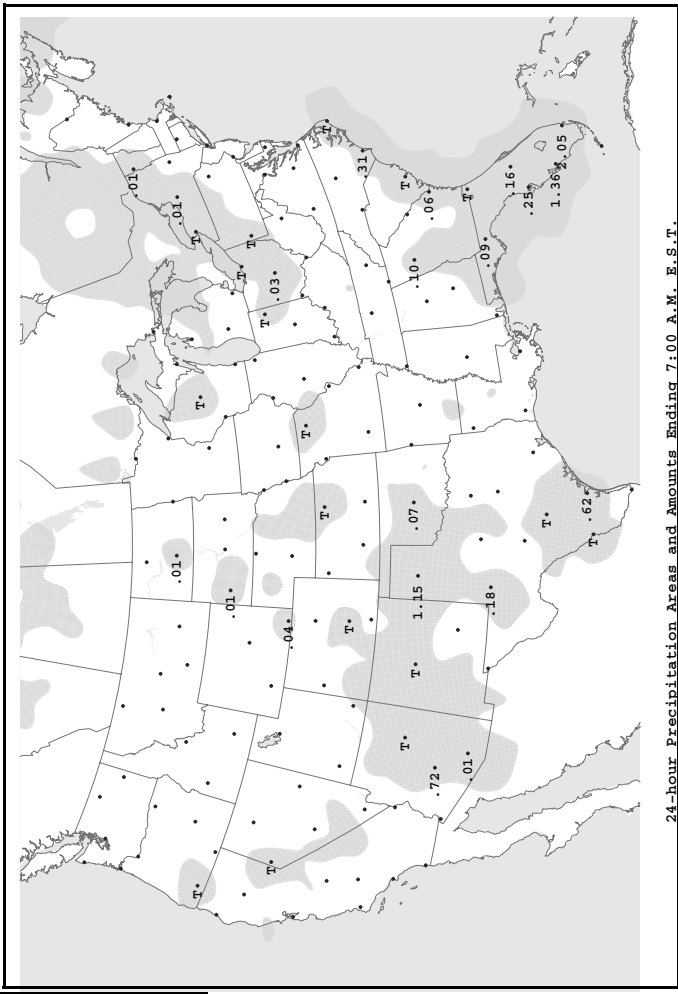
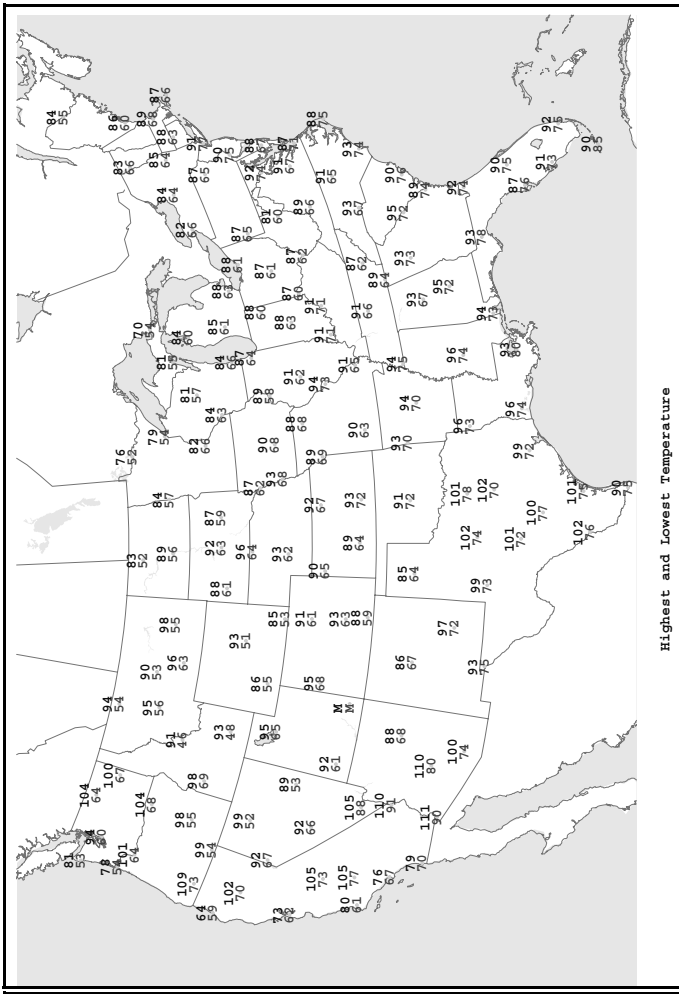
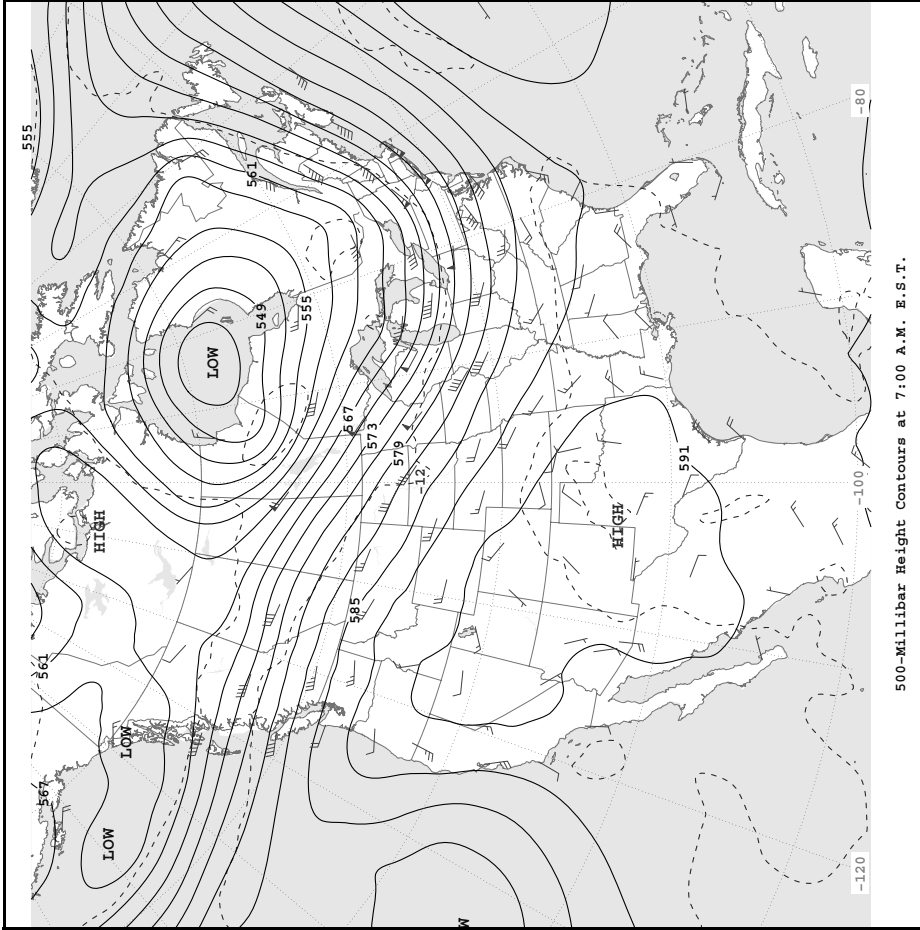
**Station Model**

**Wind Direction** ———> **Wind Speed**  
 Long Feather - 10 knots  
 Short Feather - 5 knots  
**Current Temperature (in °F)** ———> **3-Digit Surface Pressure (in tenths)**. Ex:  
 989 = 998.9mb, 012 = 1001.2mb  
**Visibility (in miles)** ———> **Present Weather Symbol** ———> **3 Hour Pressure Tendency (in tenths)**  
**Dew Point Temperature** ———> **6 Hour Total Precipitation (in hundredths of an inch)**  
 ———> **Sky Cover**

# FRIDAY, JULY 31, 2015



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

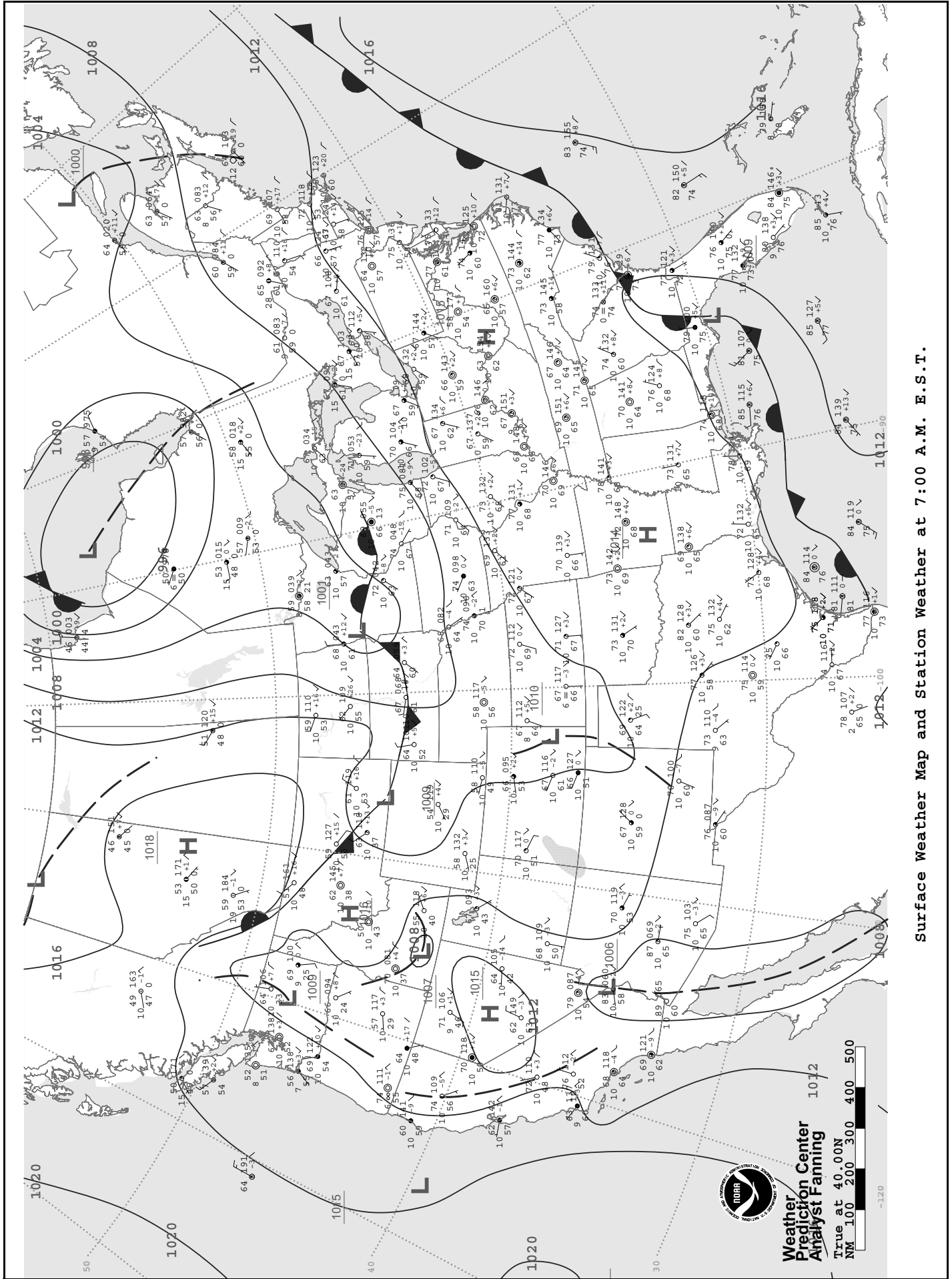


**Station Model**

The station model diagram consists of several symbols and lines representing different weather parameters:

- Wind Direction:** A long feather indicates 10 knots, and a short feather indicates 5 knots.
- Current Temperature (in °F):** Represented by the number 'dd'.
- Visibility (in miles):** Represented by the letter 'V'.
- Present Weather Symbol:** Represented by a circle containing a symbol (e.g., a solid circle for rain).
- Dew Point Temperature:** Represented by the number 'TT'.
- 3-Digit Surface Pressure (in tenths):** Represented by the number 'PPP'.
- 3 Hour Pressure Tendency (in tenths):** Represented by the number 'PP a'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Represented by the number 'RR'.
- Sky Cover:** Represented by a horizontal line.

# SATURDAY, AUGUST 1, 2015



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.





**Daily Weather Map Station Names and Locations**