



# Daily Weather Maps

**JANUARY 21, 2013 - JANUARY 27, 2013**

**Week 4**

The following charts are the principal 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, Hydrometeorological 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.

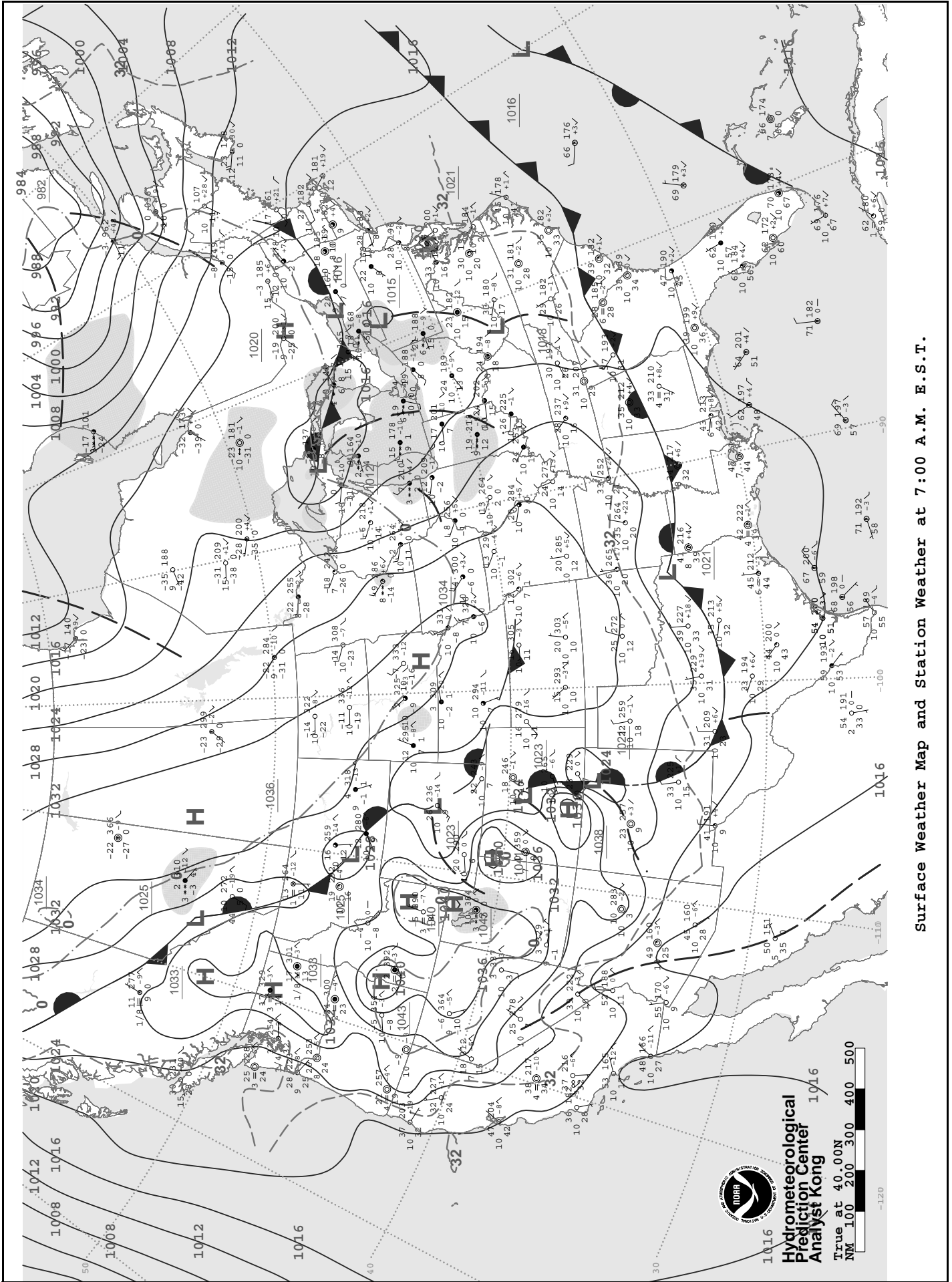
The Precipitation Areas and Amounts chart shows areas (shaded) that had precipitation during the 24 hours ending at 7:00 a.m. EST, with amounts to the nearest hundredth of an inch. "T" indicates a trace of precipitation.

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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.hpc.ncep.noaa.gov/dwm/dwm.shtml](http://www.hpc.ncep.noaa.gov/dwm/dwm.shtml).

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

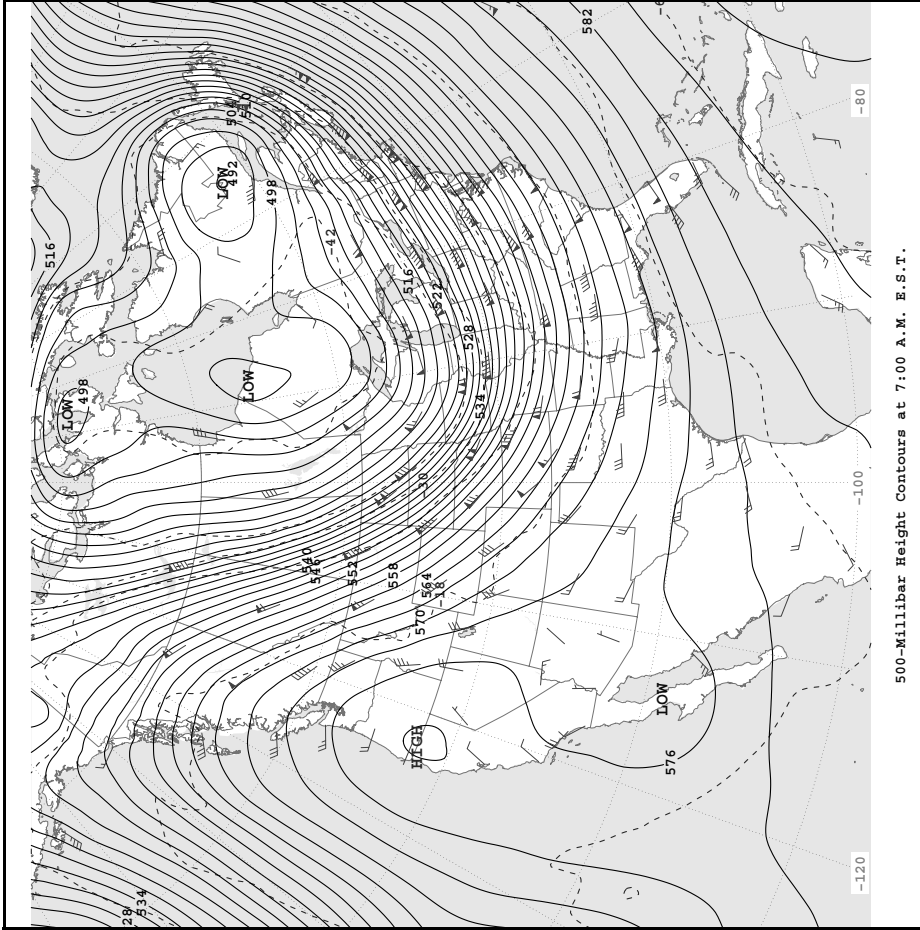


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

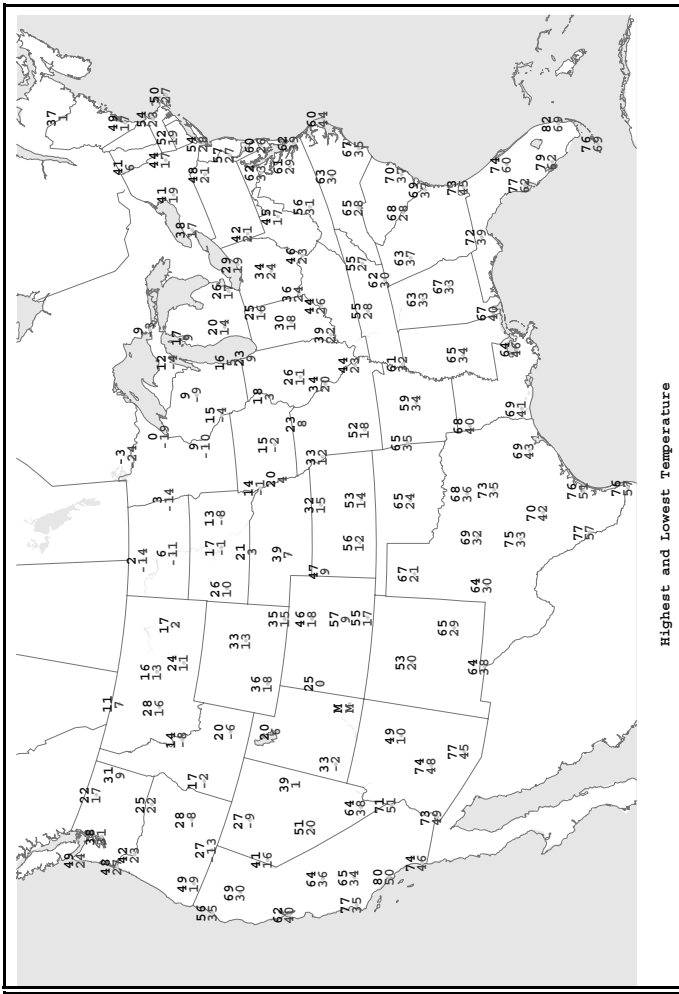


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Prediction Center  
Analyst Kong

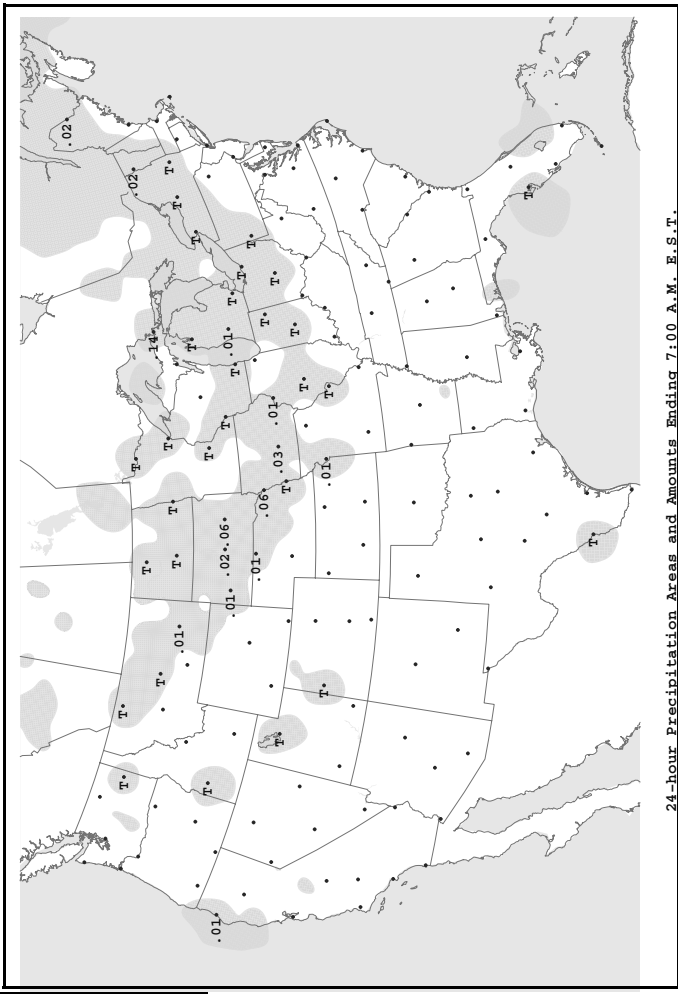
True at 40.00N  
NM 100 200 300 400 500



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



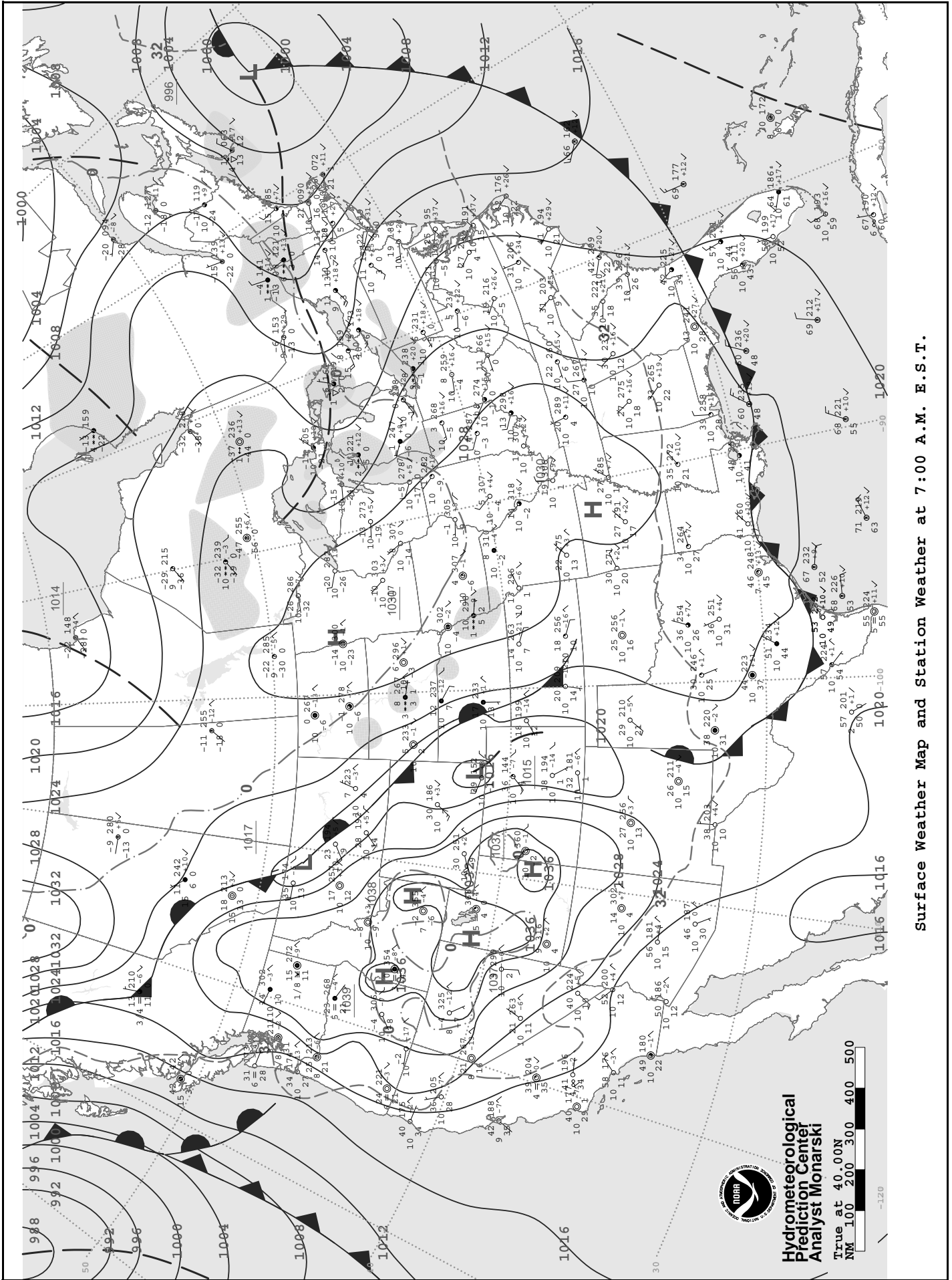
Highest and Lowest Temperature



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

**Wind Direction** ——— **Wind Speed**  
 Long Feather - 10 knots  
 Short Feather - 5 knots  
**Current Temperature (in °F)** ——— **dd** **FFF**  
**Visibility (in miles)** ——— **V** **WW** **PPP** **PP a**  
 Present Weather Symbol ——— **TT** **TTD** **RR**  
 Dew Point Temperature ——— **TT** **RR** **RR** **RR**  
 Sky Cover ——— **PP a** **PP a** **PP a** **PP a**  
**Station Model**

# MONDAY, JANUARY 21, 2013

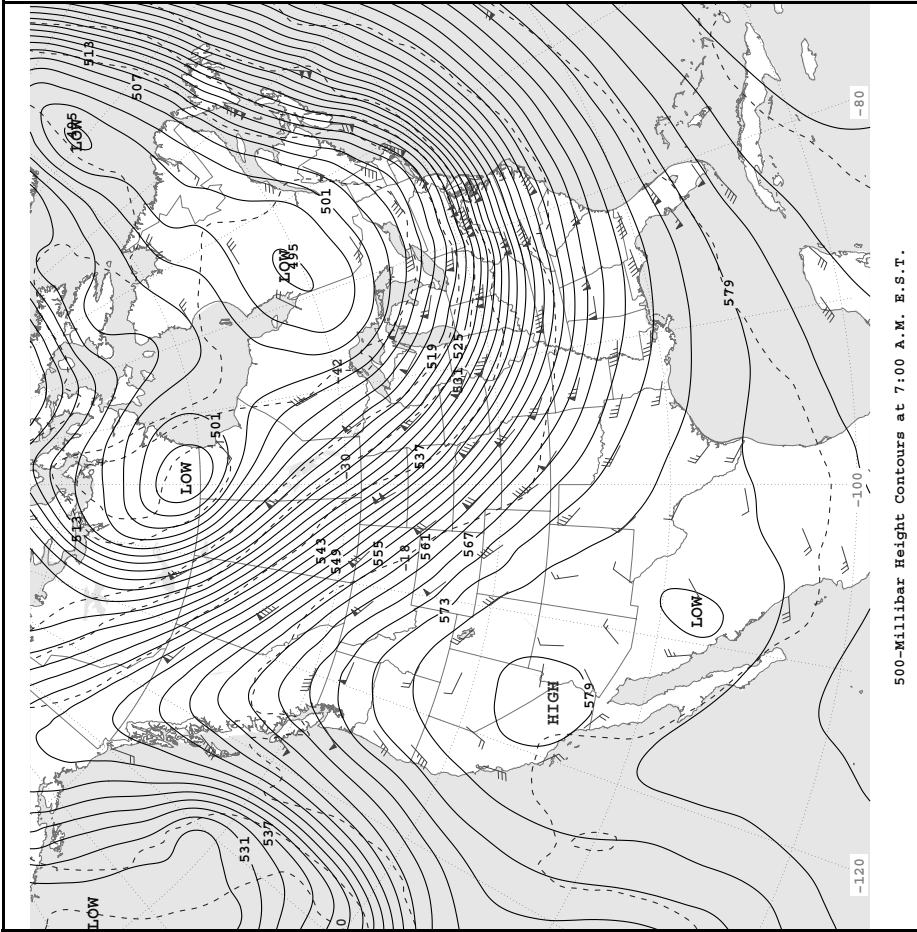


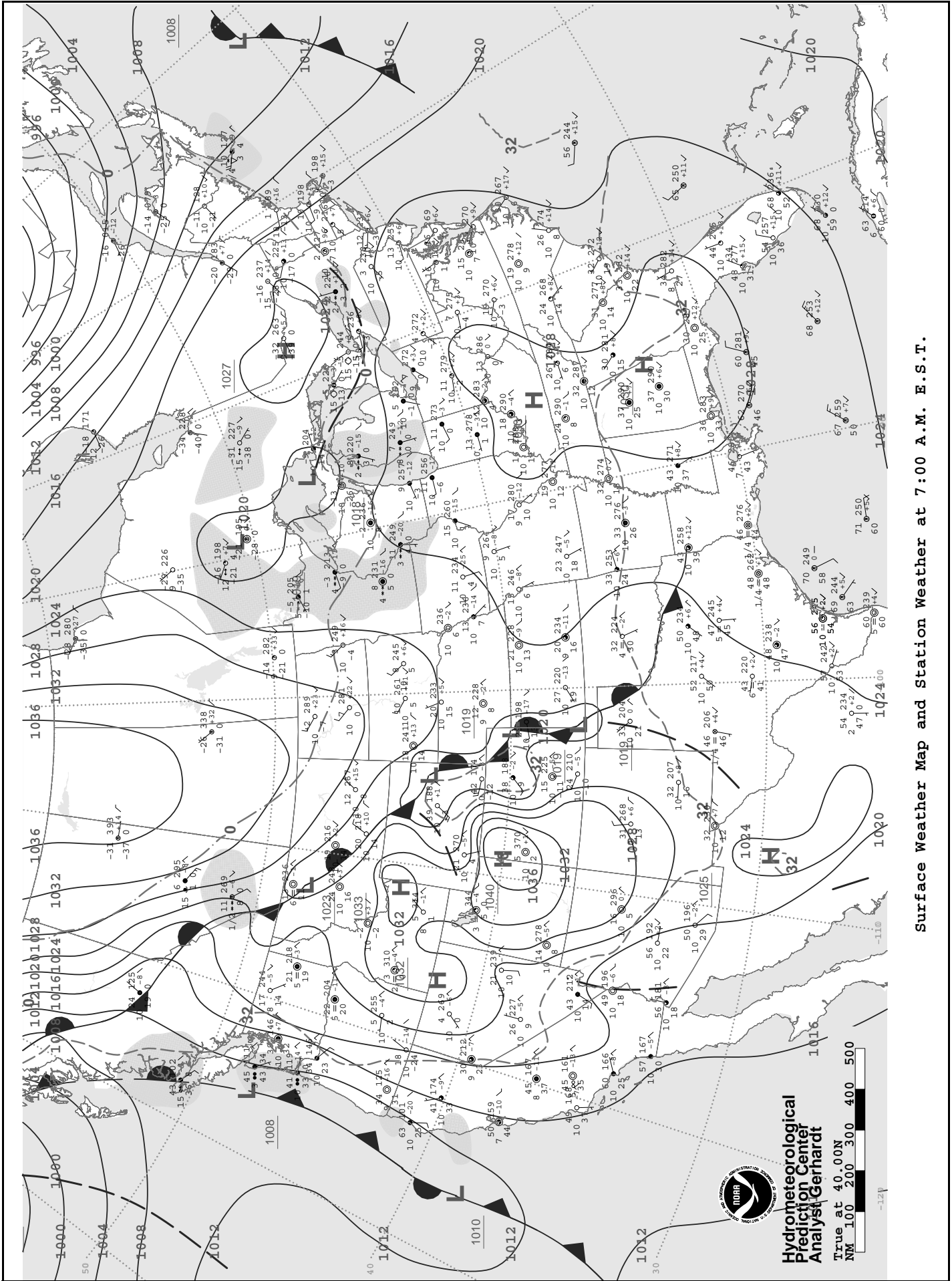
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

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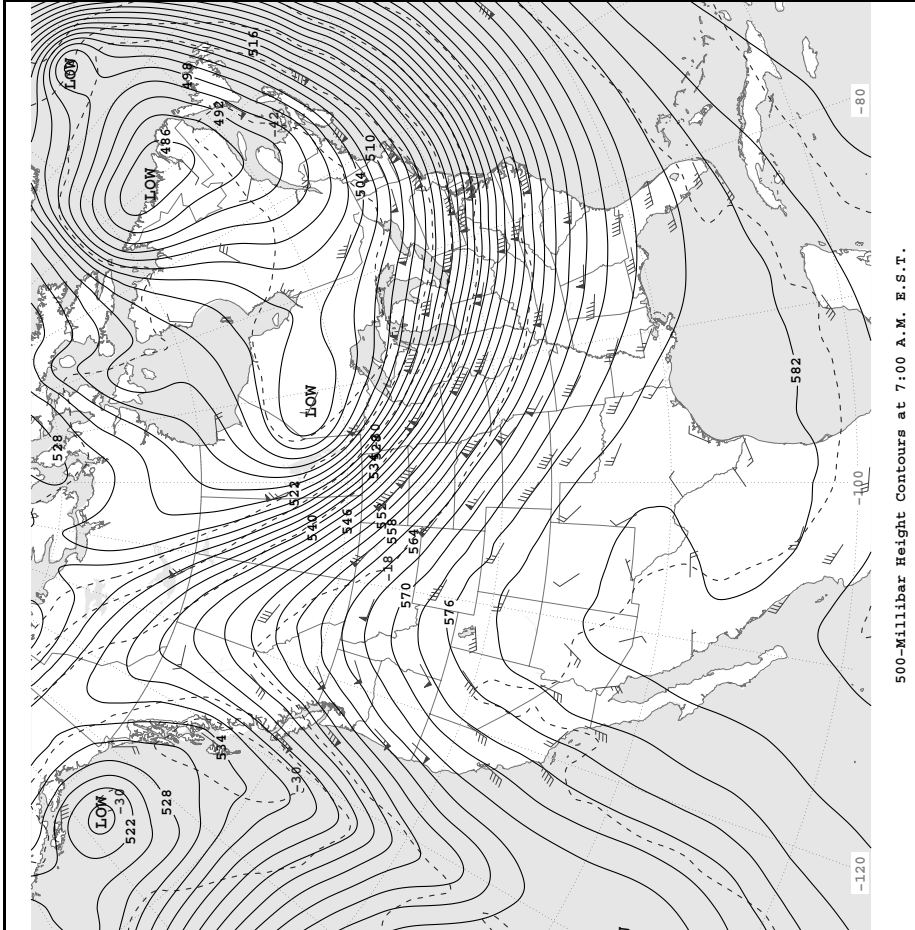
True at 40.00N  
NM 100 200 300 400 500



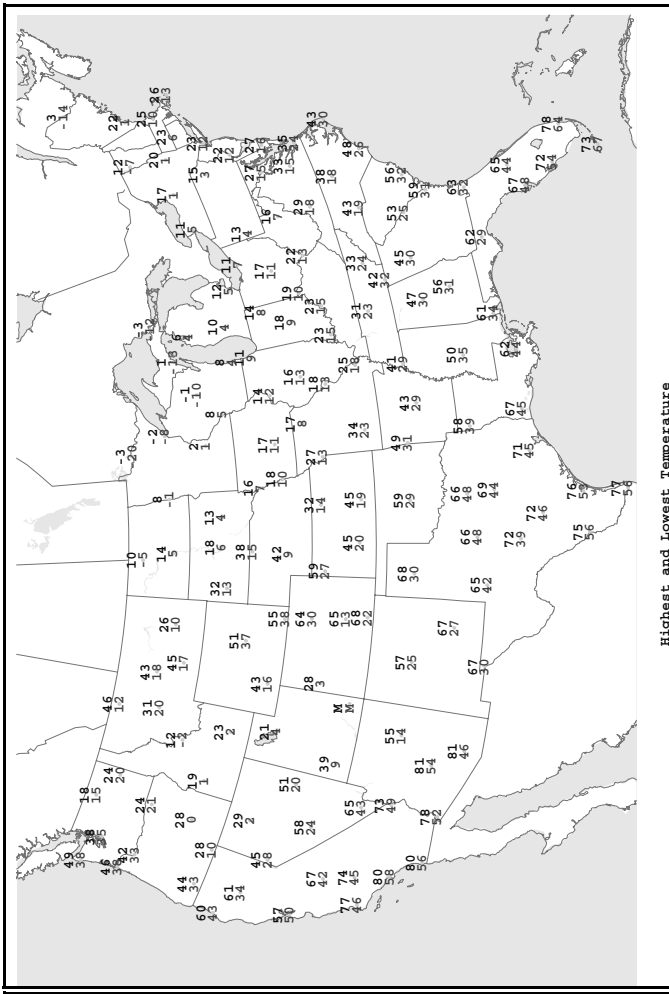




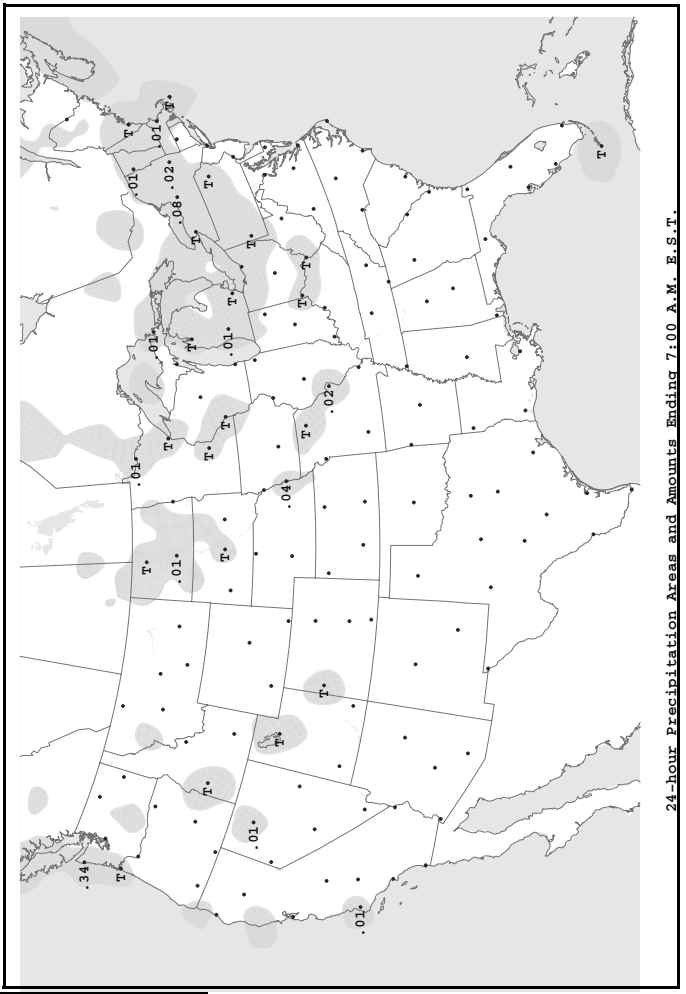
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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.

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

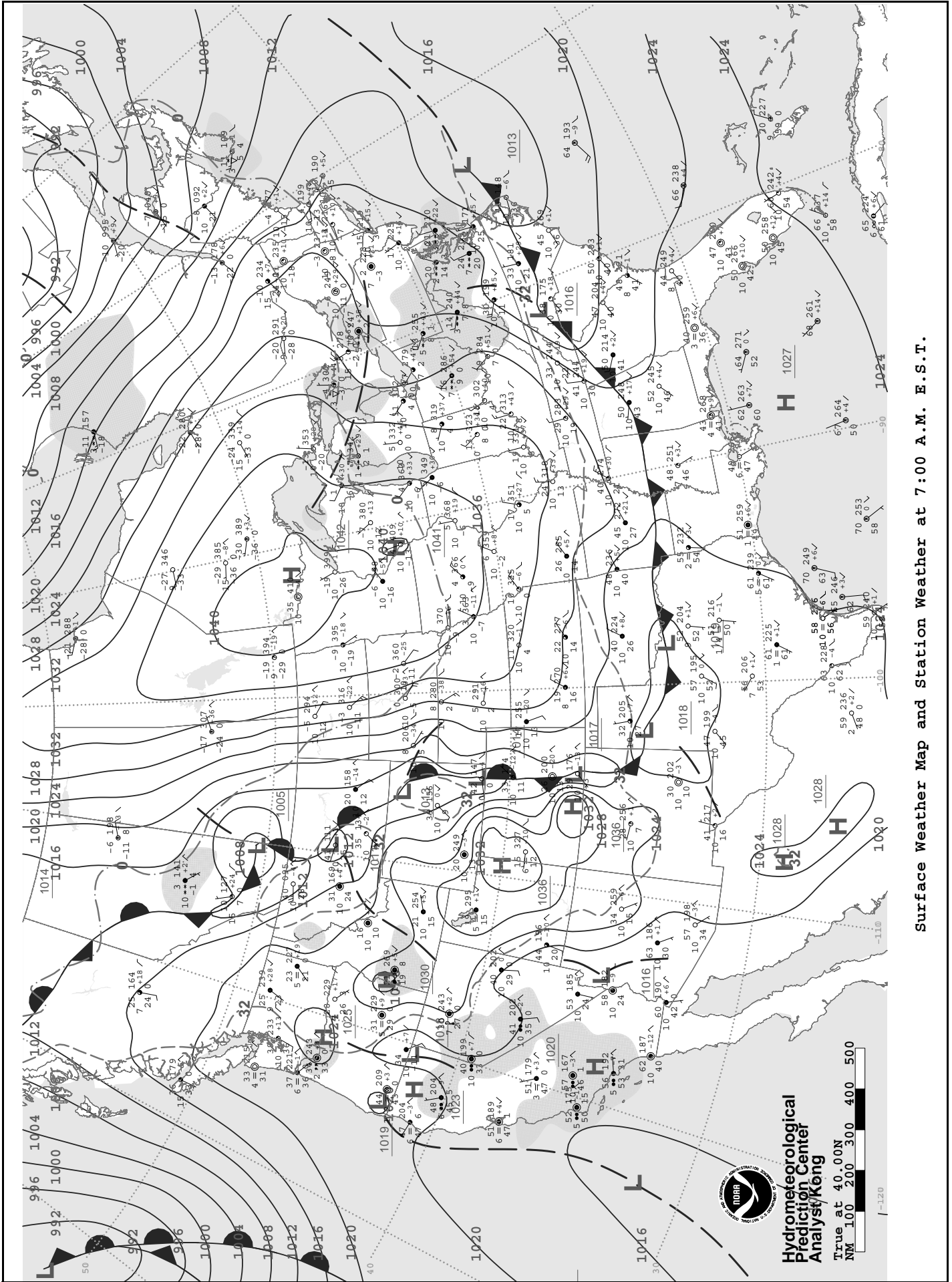
Current Temperature (in °F) — **dd** — ft  
 3-Digit Surface Pressure (in tenths) Ex: 989 = 998.9mb, 012 = 1001.2mb

Visibility (in miles) — **TT** — **PPP**  
 Present Weather Symbol — **V** — **WW** — 3 Hour Pressure Tendency (in tenths)

Dew Point Temperature — **TD** — **RR** — 6 Hour Total Precipitation (in hundredths of an inch)  
 Sky Cover

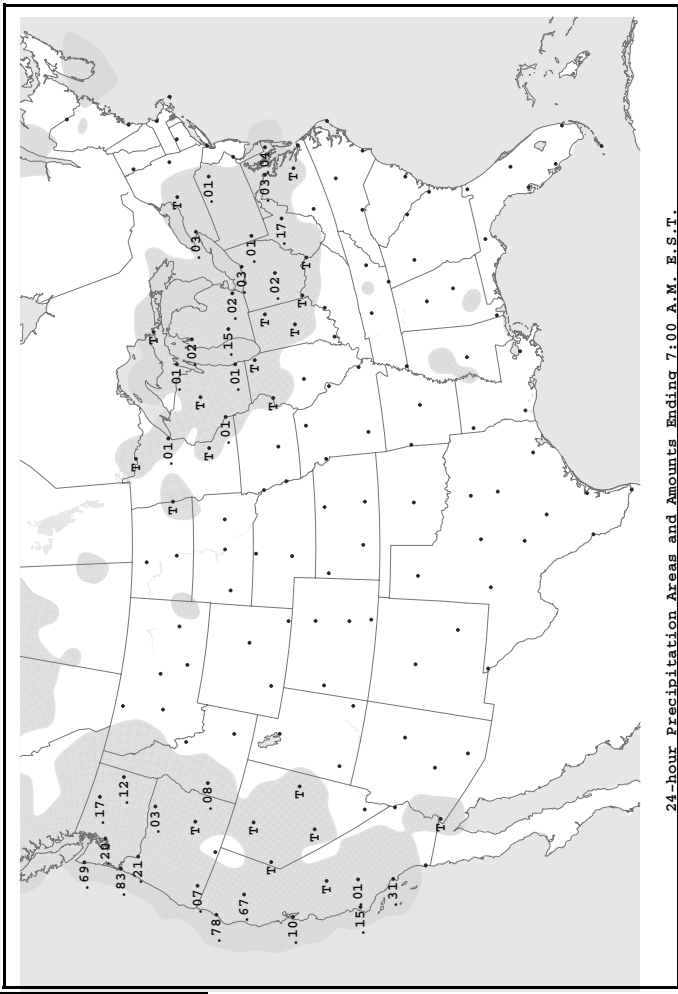
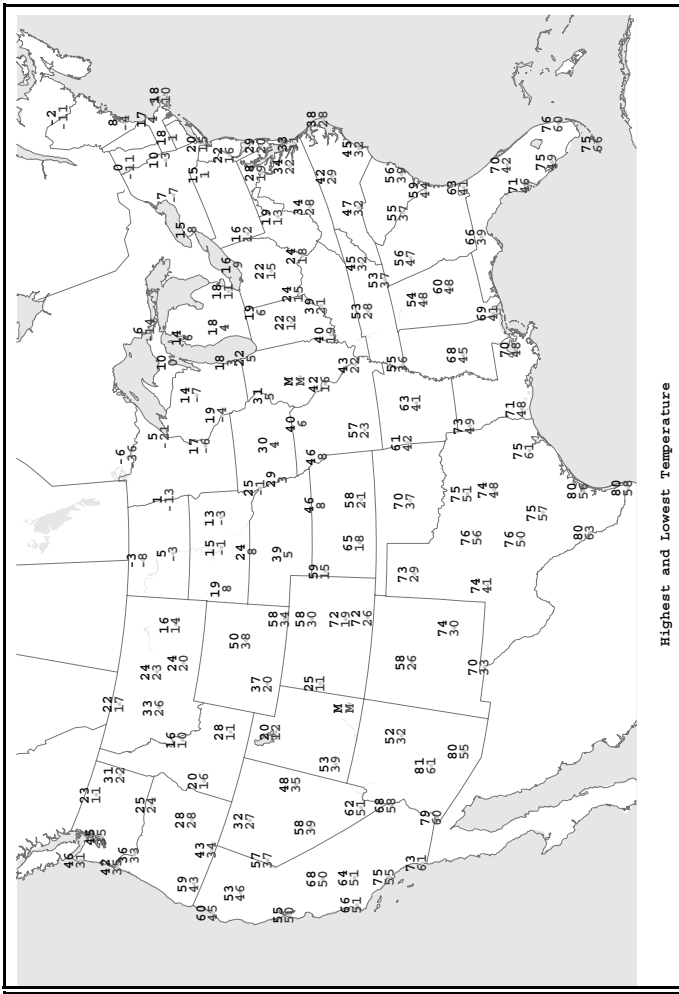
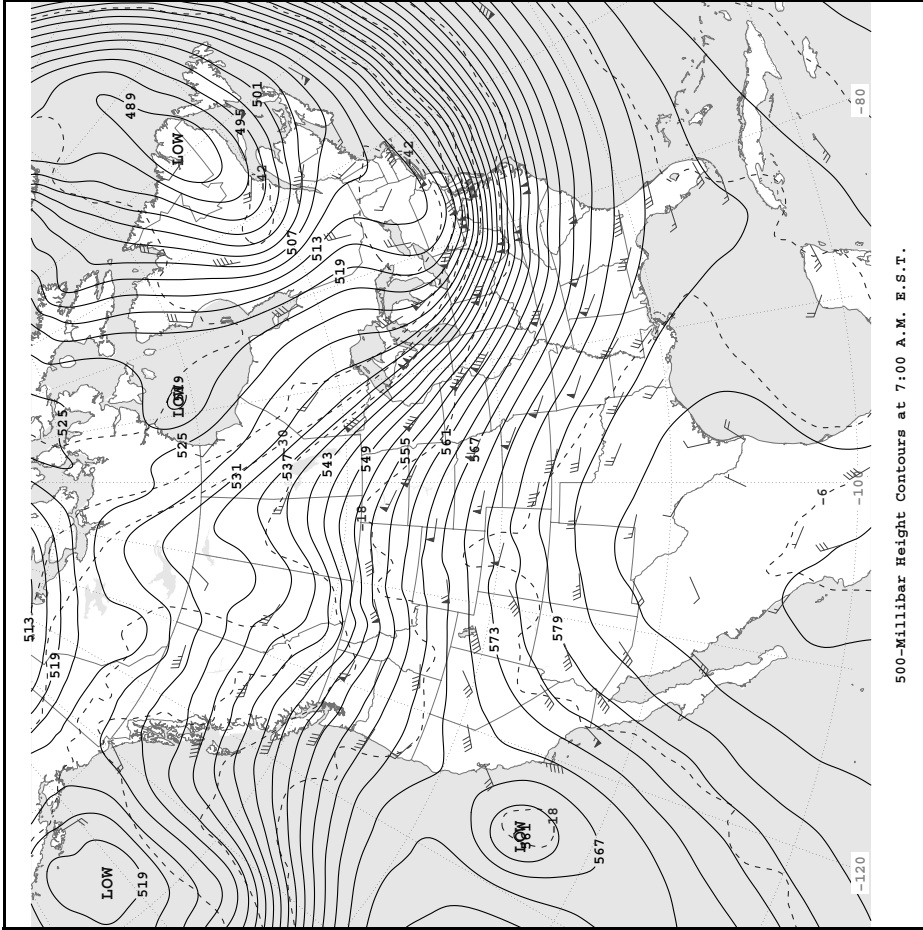
**Station Model**

# WEDNESDAY, JANUARY 23, 2013



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

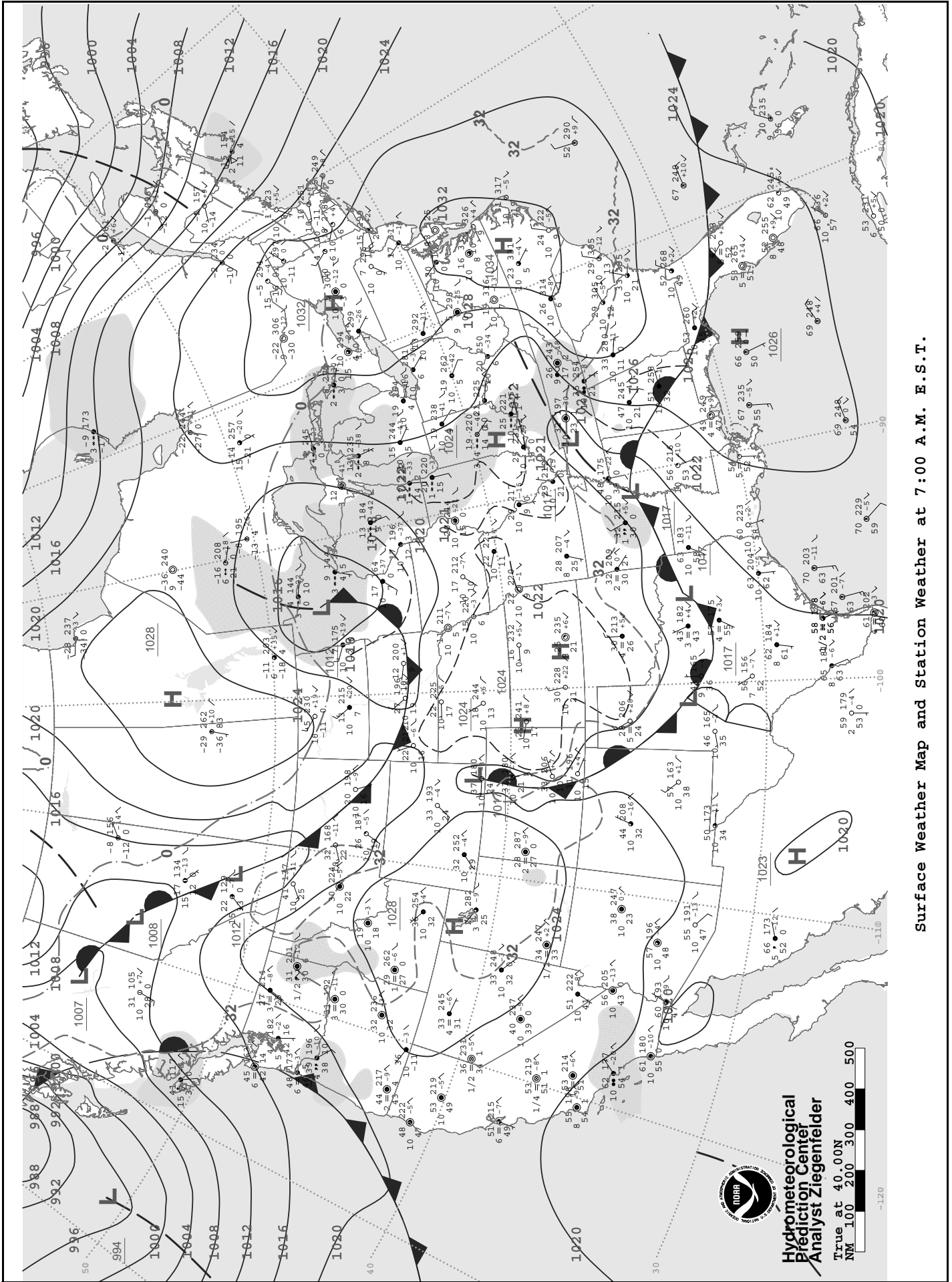




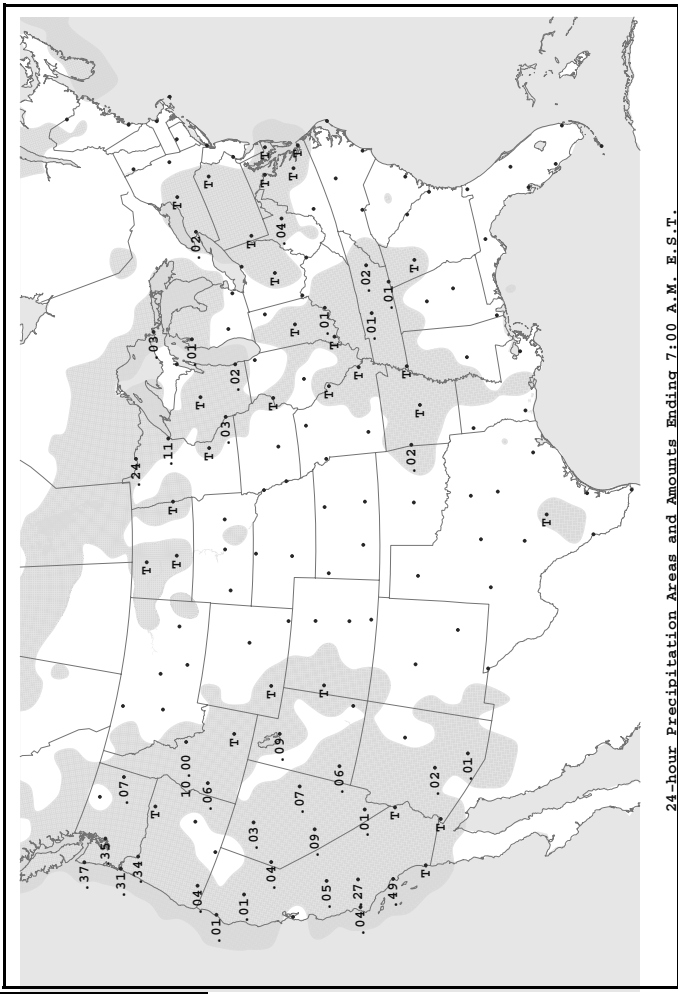
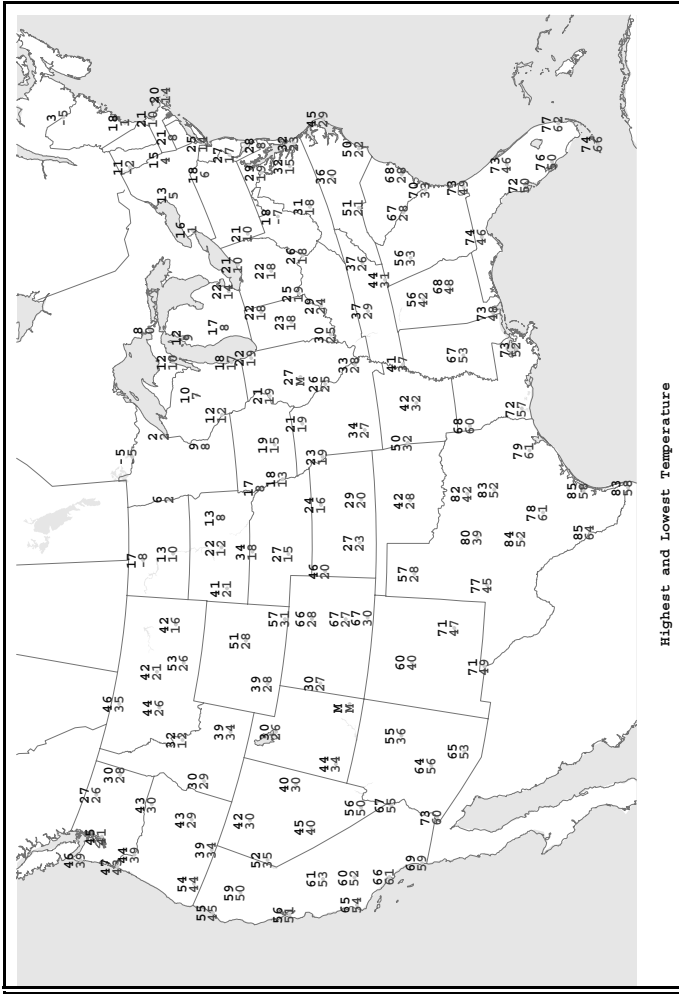
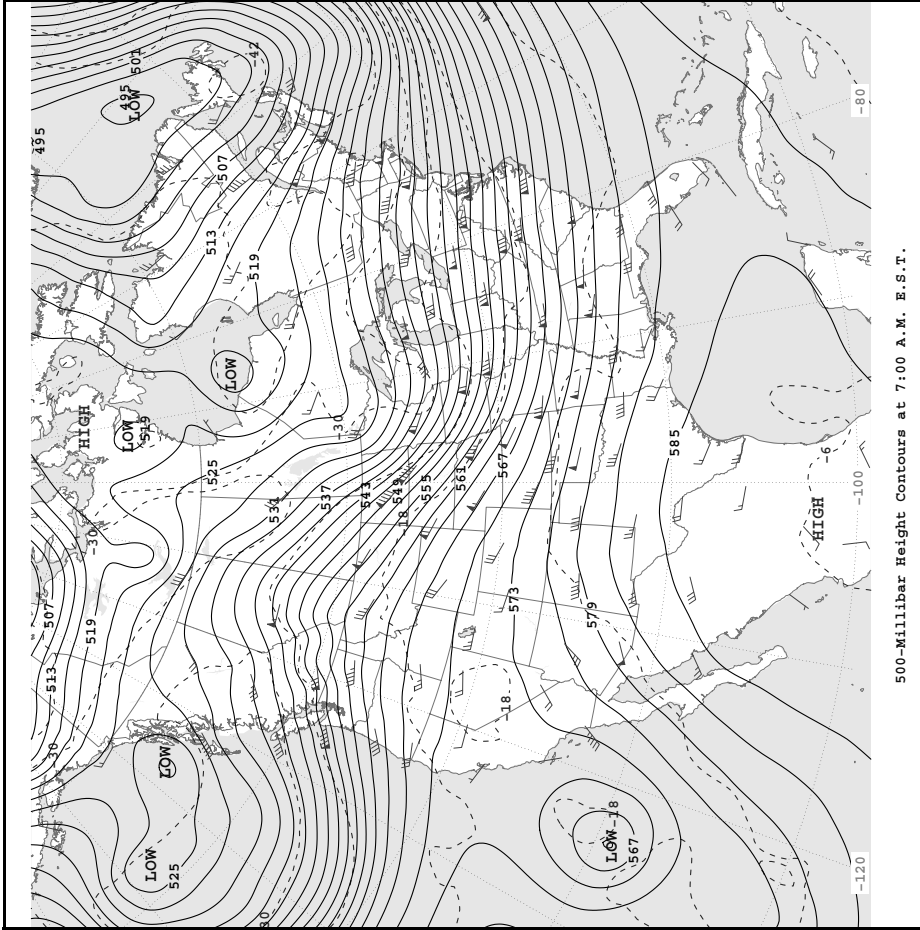
Wind Direction	Wind Speed	Current Temperature (in °F)	ft	3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb
TT	Long Feather - 10 knots Short Feather - 5 knots	dd	PPP	PPP
V		Visibility (in miles)	TT	PP a
WW			PP a	3 Hour Pressure Tendency (in tenths)
TD		Present Weather Symbol	RR	6 Hour Total Precipitation (in hundredths of an inch)
Sky_Cover		Dew Point Temperature	RR	

Station Model

# THURSDAY, JANUARY 24, 2013



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

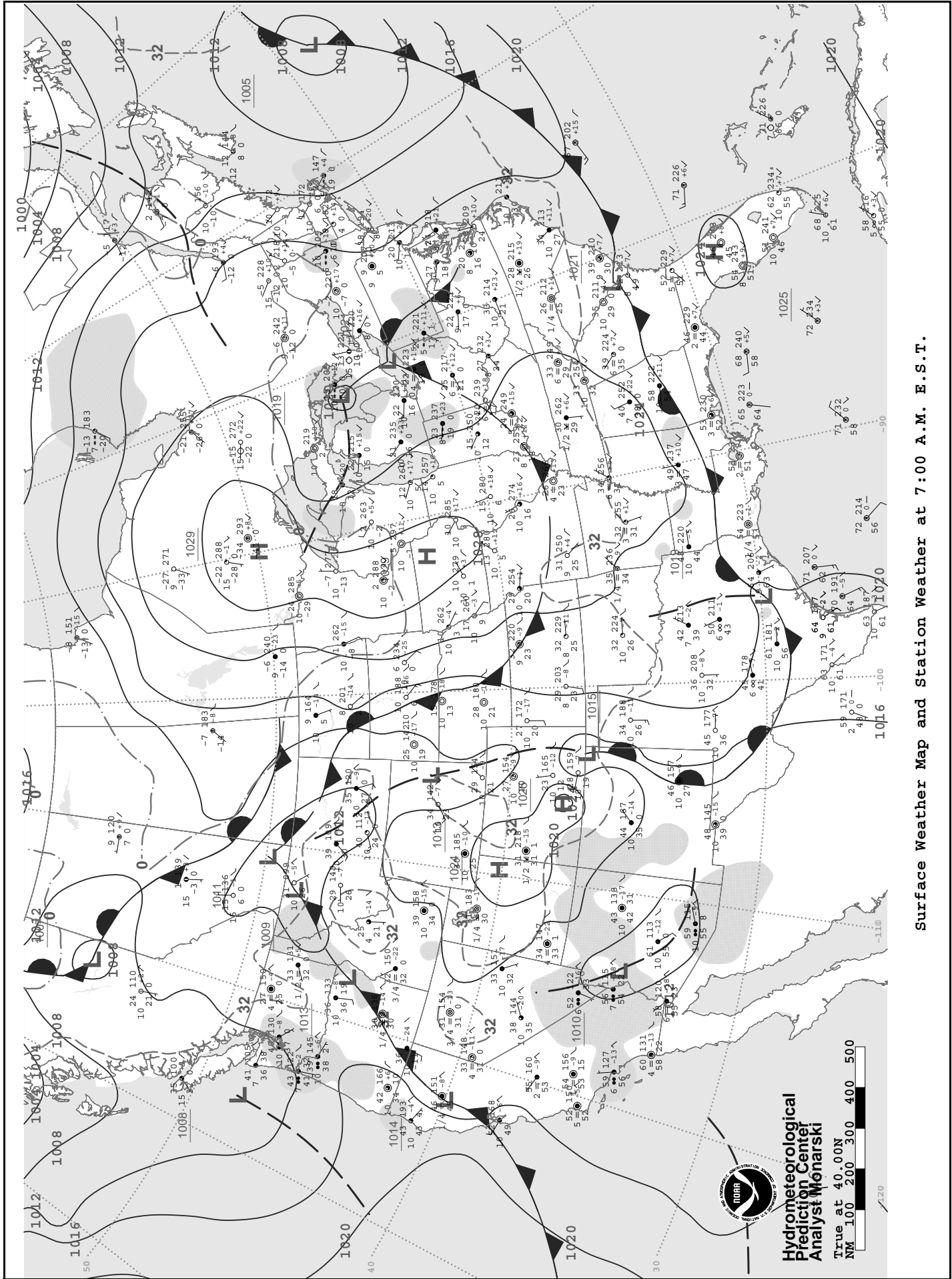


**Station Model**

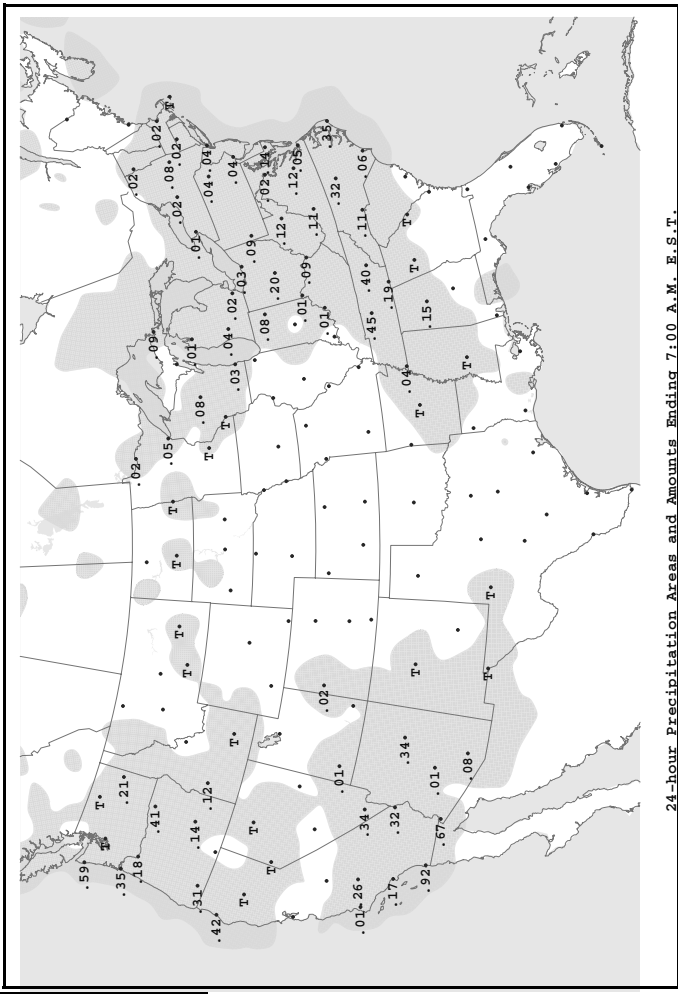
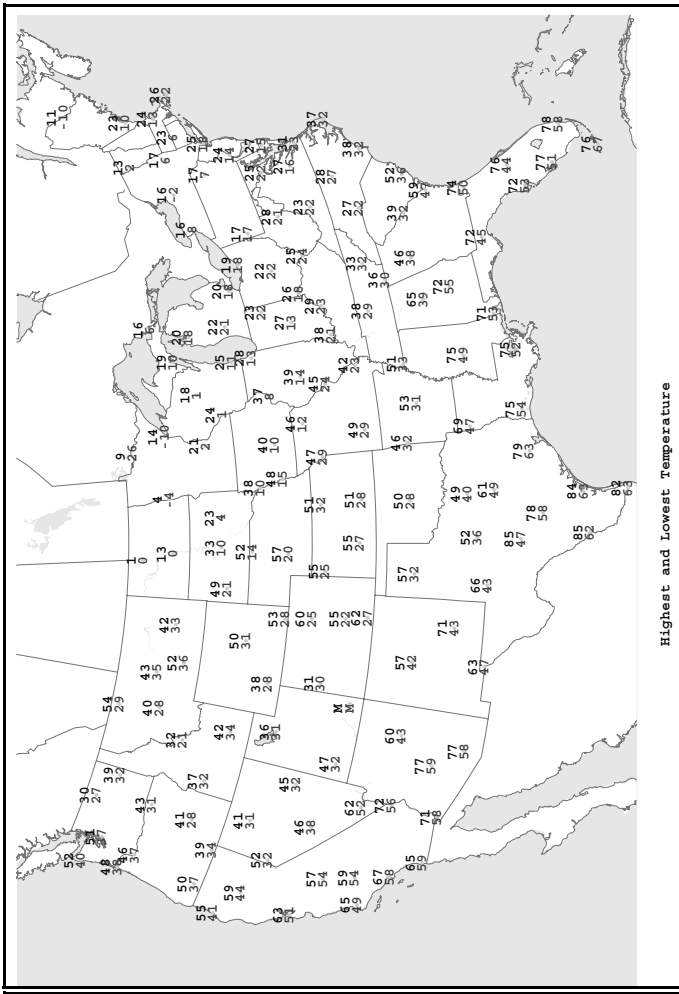
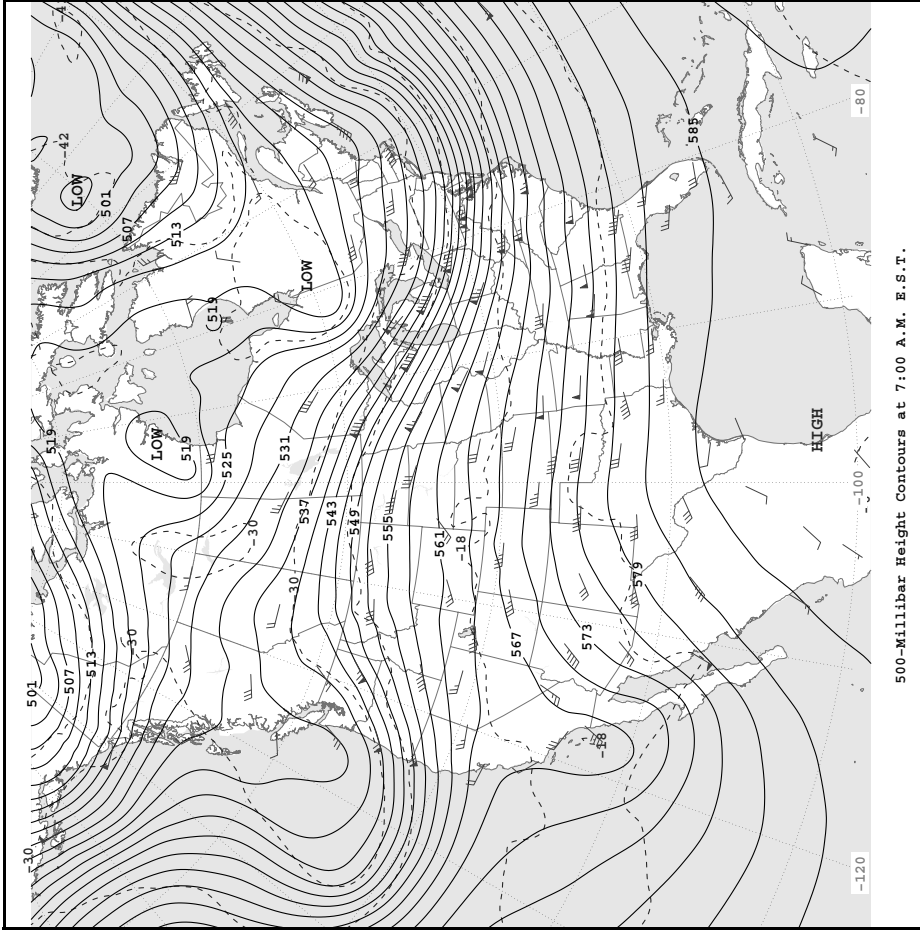
The station model diagram includes the following components and their meanings:

- Wind Direction:** Indicated by a line with a short feather.
- Wind Speed:** Indicated by the length of the feather (Long Feather = 10 knots, Short Feather = 5 knots).
- Current Temperature (in °F):** Represented by the number 'F'.
- Visibility (in miles):** Represented by the number 'V'.
- Present Weather Symbol:** Represented by a circle with a vertical line through it.
- Dew Point Temperature:** 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'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Represented by the number 'RR'.
- Sky Cover:** Represented by a circle with a horizontal line through it.

# FRIDAY, JANUARY 25, 2013



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



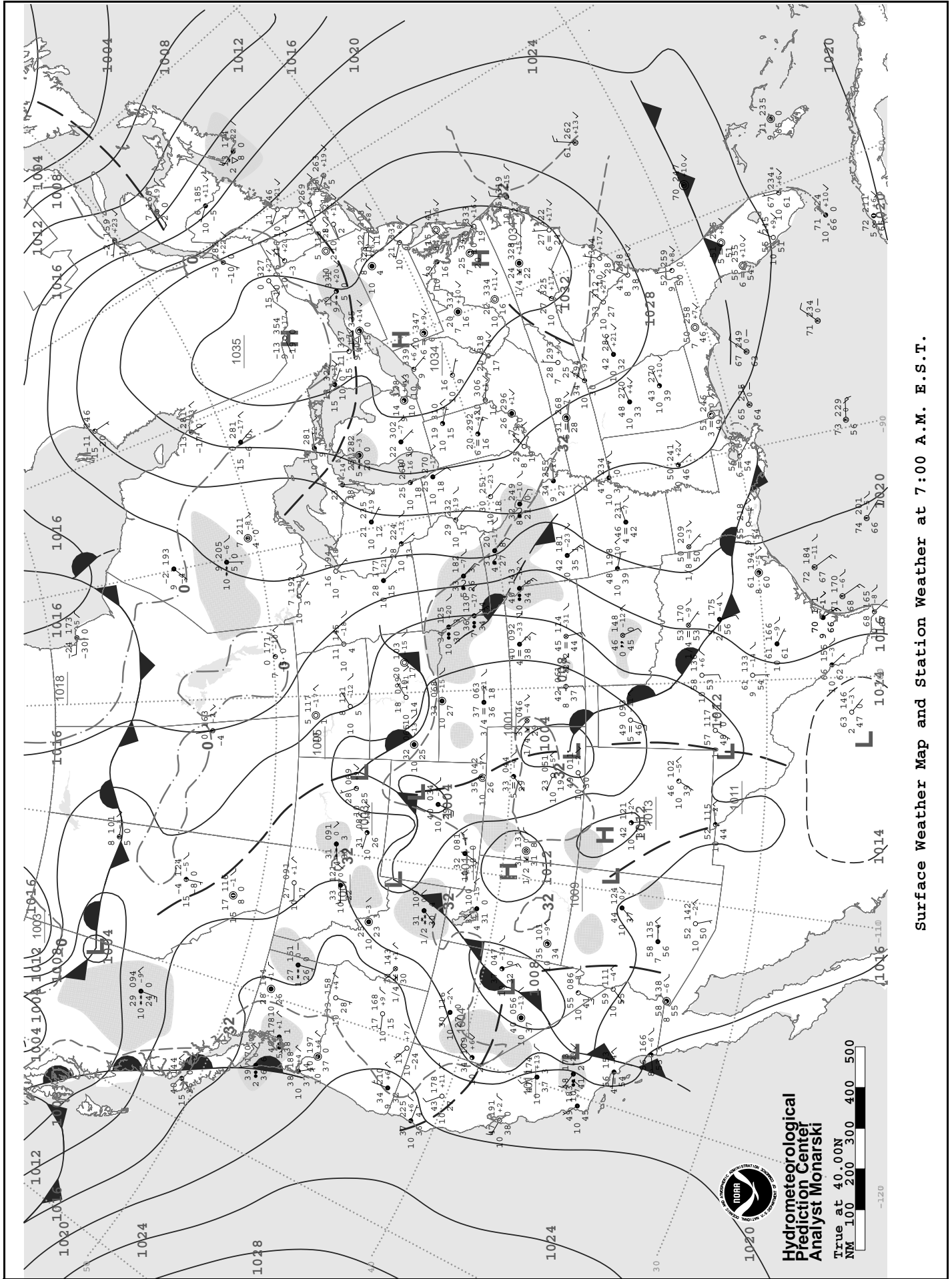
**Station Model**

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

Current Temperature (in °F) ——— **F** ——— ft  
 3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

Visibility (in miles) ——— **TT** ——— PPP  
 Present Weather Symbol ——— **●** ——— PP a  
 Dew Point Temperature ——— **V** ——— WW ——— 3 Hour Pressure Tendency (in tenths)  
 TD ——— RR ——— 6 Hour Total Precipitation (in hundredths of an inch)  
 Sky Cover ———

# SATURDAY, JANUARY 26, 2013

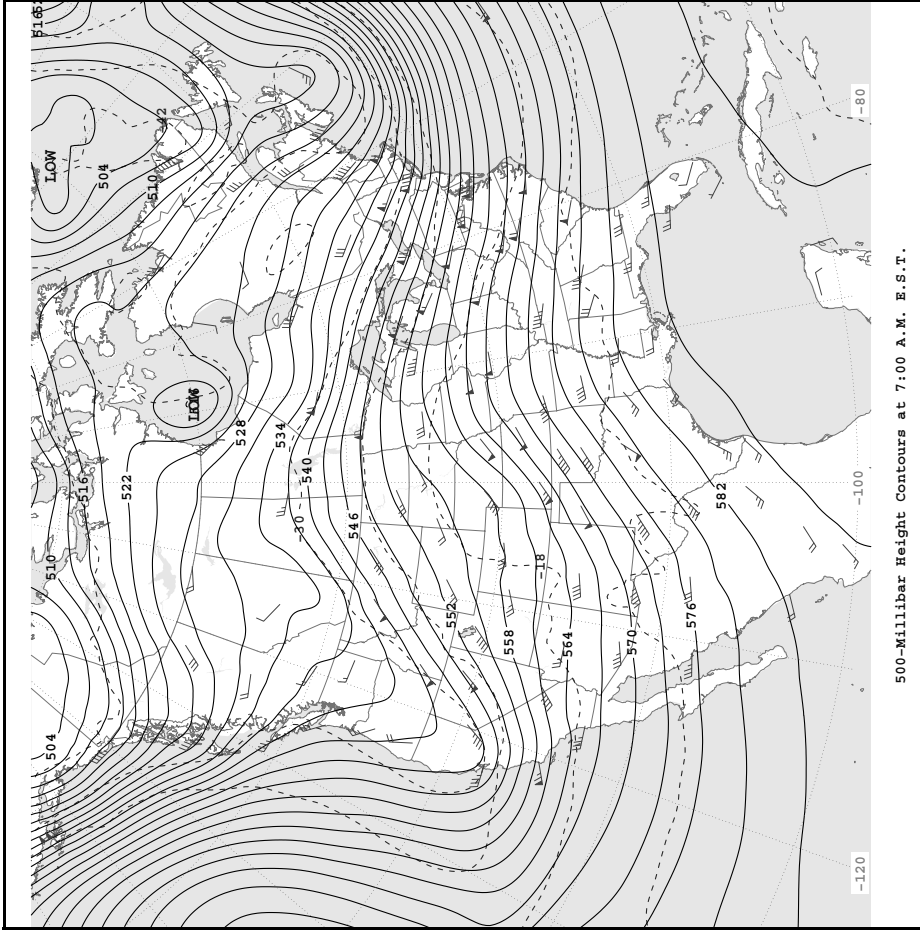


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

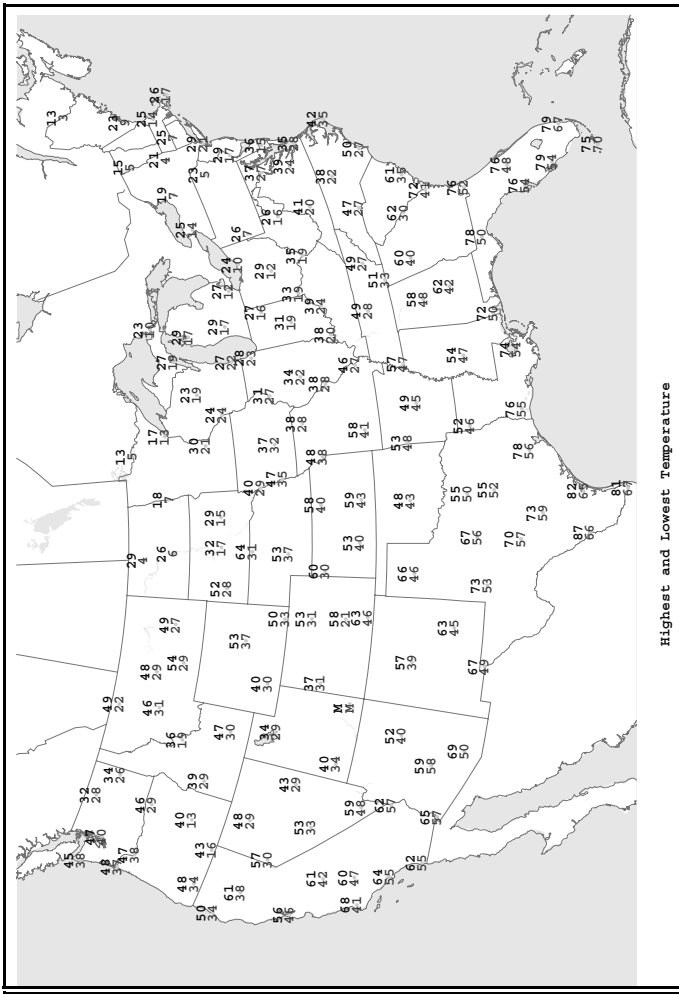
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Prediction Center  
Analyst Monarski

True at 40.00N  
NM 100 200 300 400 500

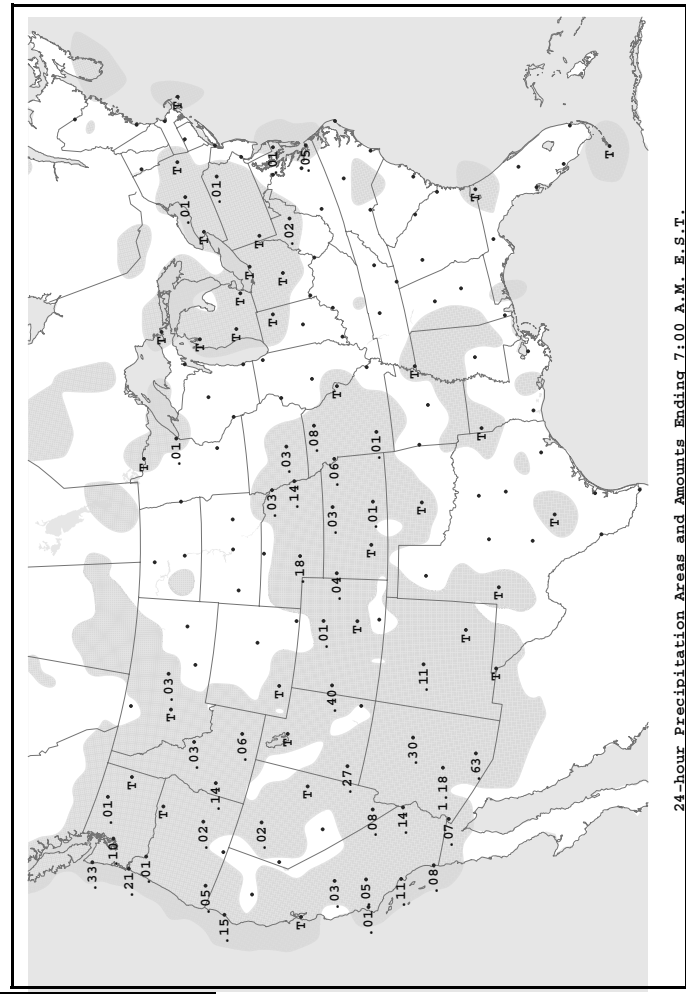




500-millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature



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

**Station Model**

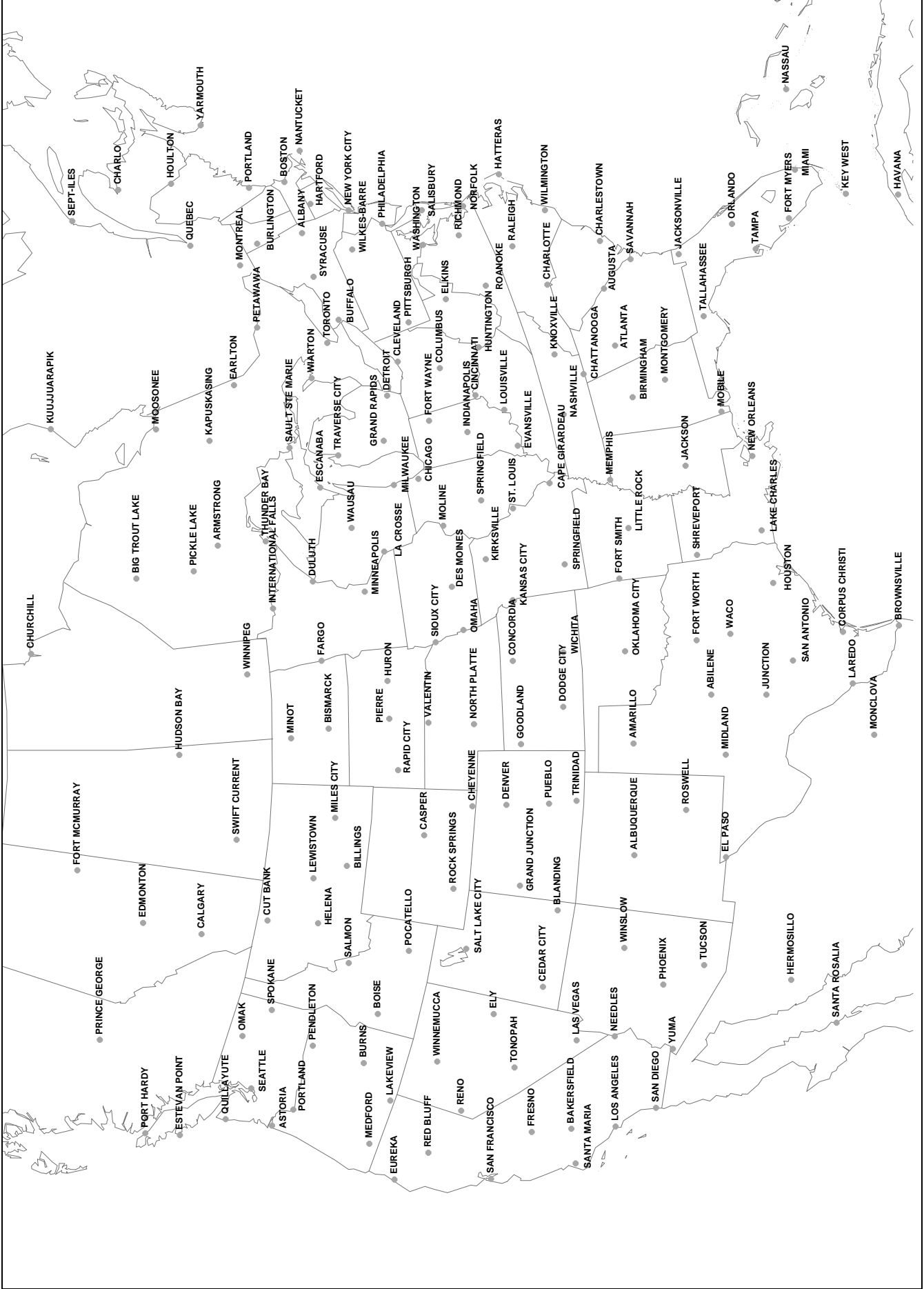
Wind Direction ——— Wind Speed  
 Long Feather - 10 knots  
 Short Feather - 5 knots

Current Temperature (in °F) ——— dd ——— F ——— ft

Visibility (in miles) ——— V ——— TT ——— PPP ——— 3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

Present Weather Symbol ——— TD ——— PP a ——— 3 Hour Pressure Tendency (in tenths)  
 Dew Point Temperature ——— Sky\_Cover ——— RR ——— 6 Hour Total Precipitation (in hundredths of an inch)

# SUNDAY, JANUARY 27, 2013



**Daily Weather Map Station Names and Locations**