



# Daily Weather Maps

JANUARY 3, 2011 - JANUARY 9, 2011

Week 1

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 *Daily Weather Map* is published weekly by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA). NOAA and IMC are responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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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. EST the previous day through 1 a.m. EST and the minimum temperature for the period from 7:00 p.m. EST the previous day through 1 p.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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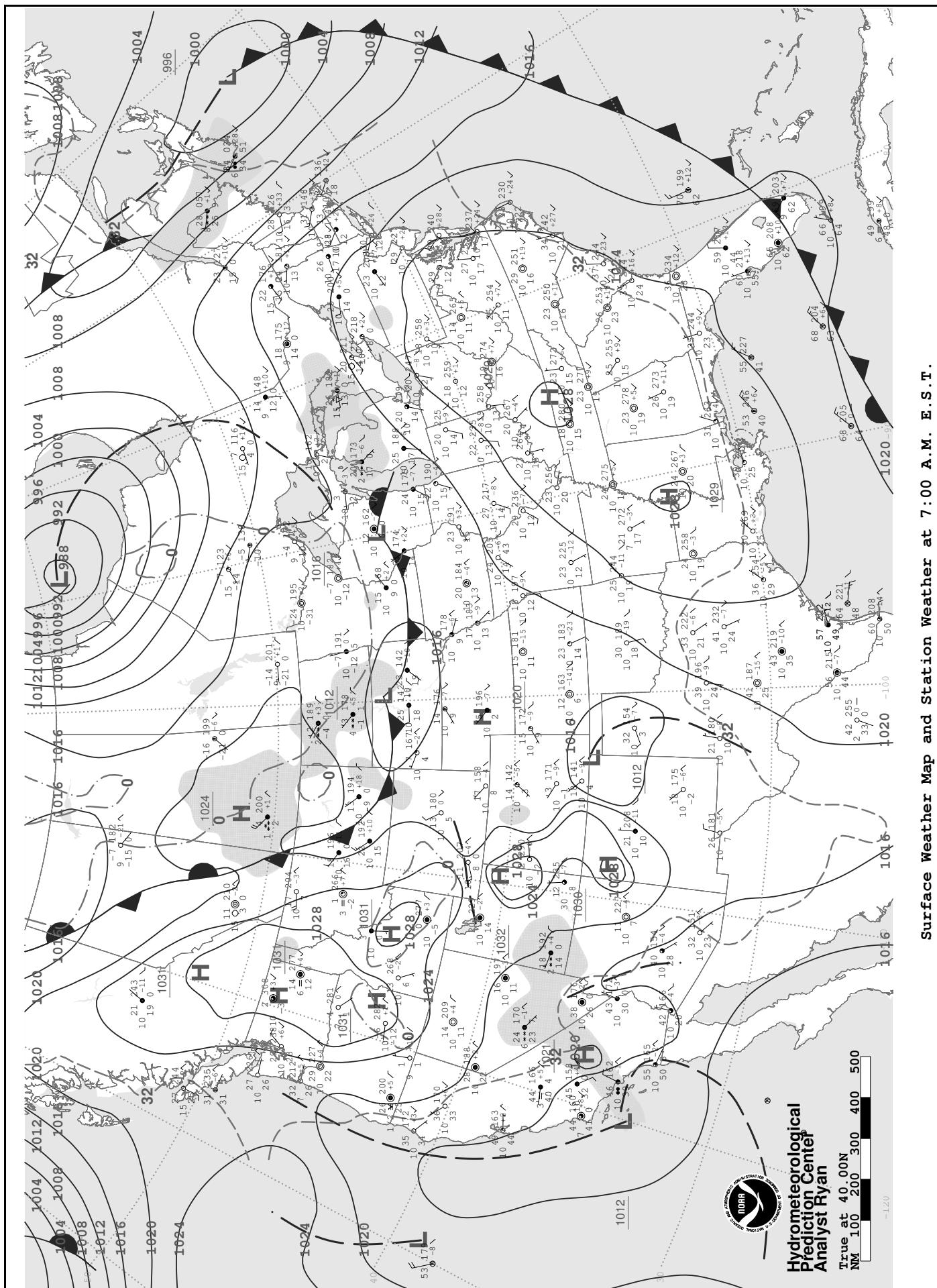
Send address changes to: NCDC Subscription Services Center, 310 State Route 956, Building 300, Rocket Center, WV 26726; call toll free: (866) 742-3322; TDD: (828) 271-4010; fax: (304) 726-4409; or E-mail: noaasubsvcs@imcwv.com

Correspondence to the meteorologists should be directed to: *Daily Weather Map*, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.

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)

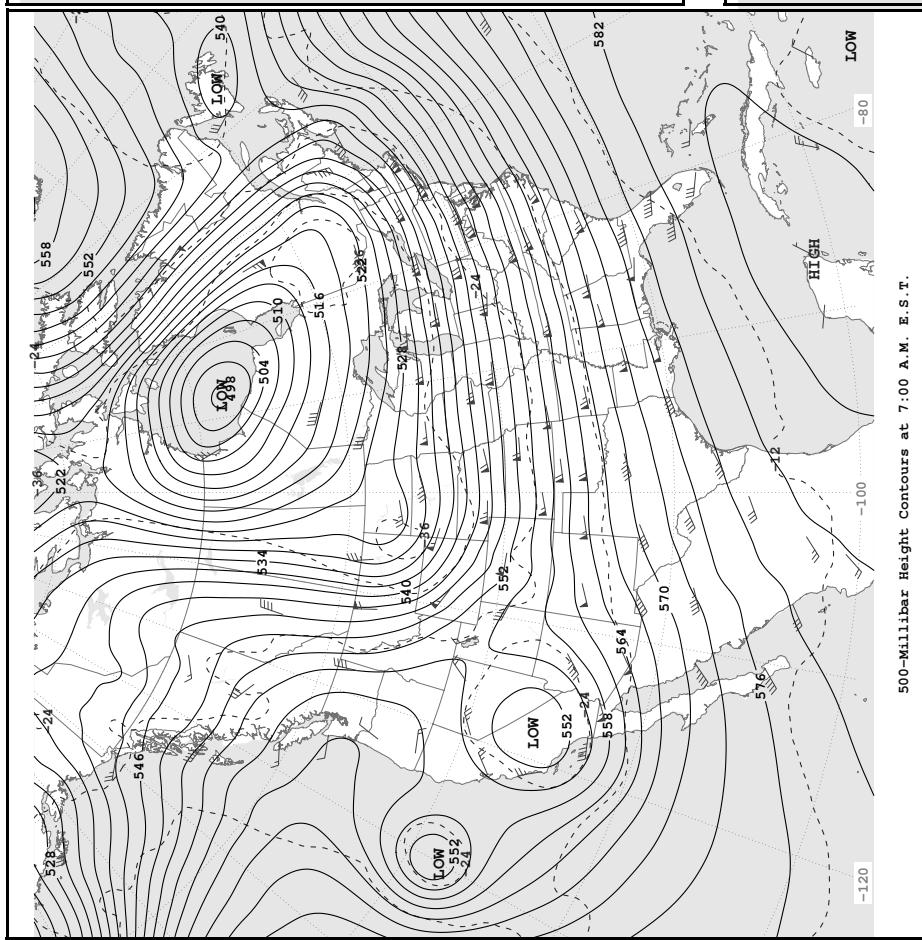
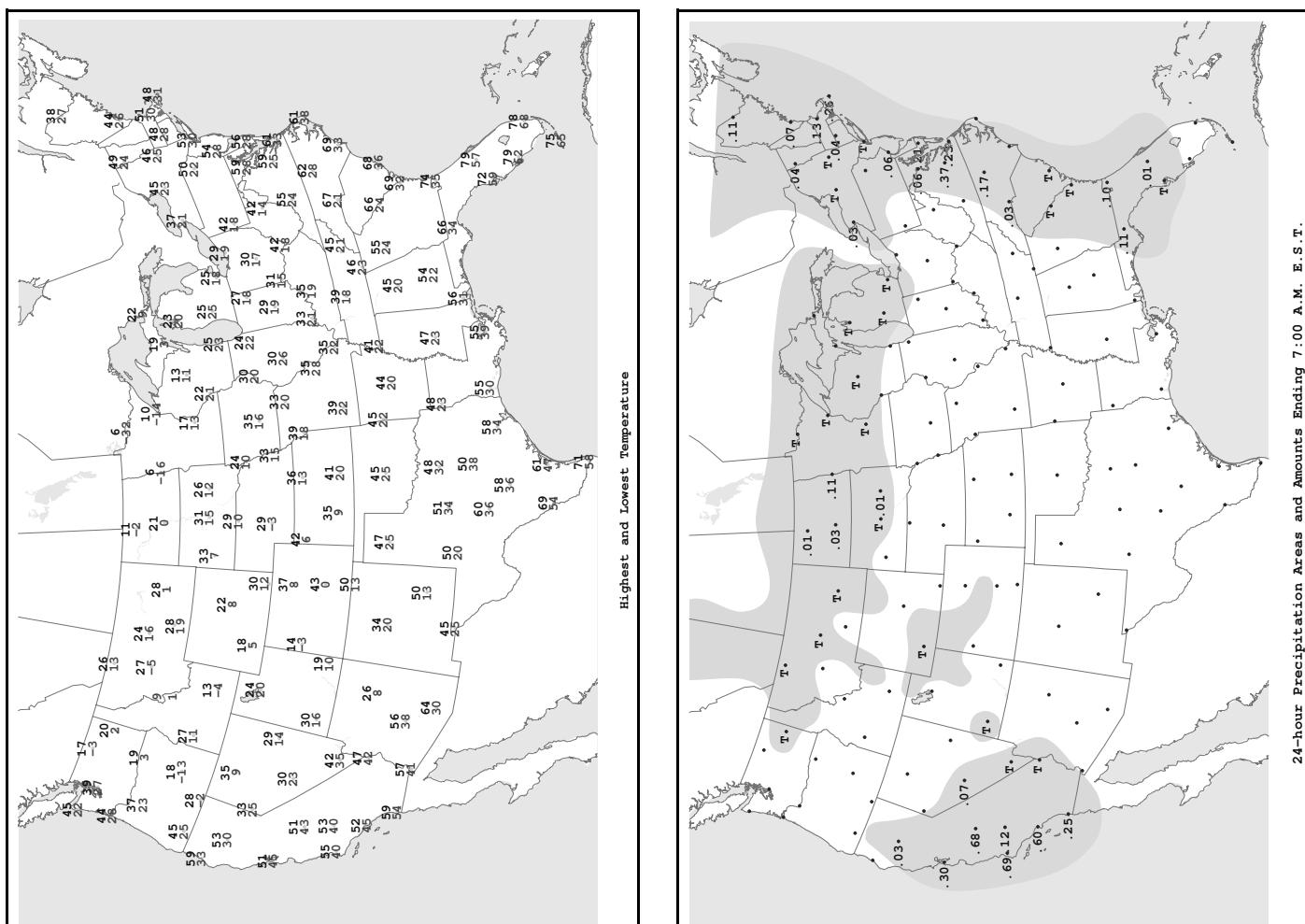
MONDAY, JANUARY 3, 2011



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

# MONDAY, JANUARY 3, 2011

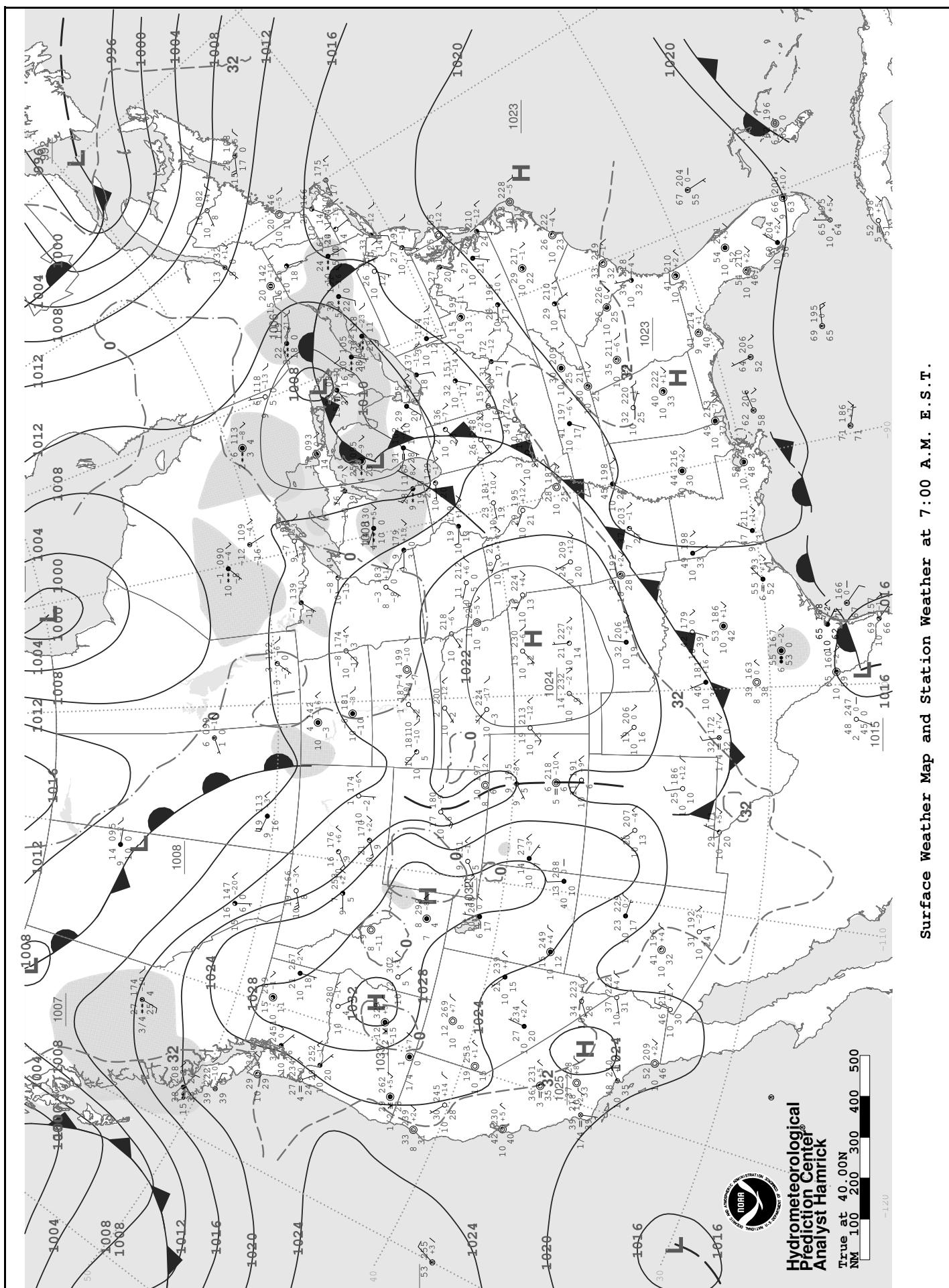
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.



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

## Station Model

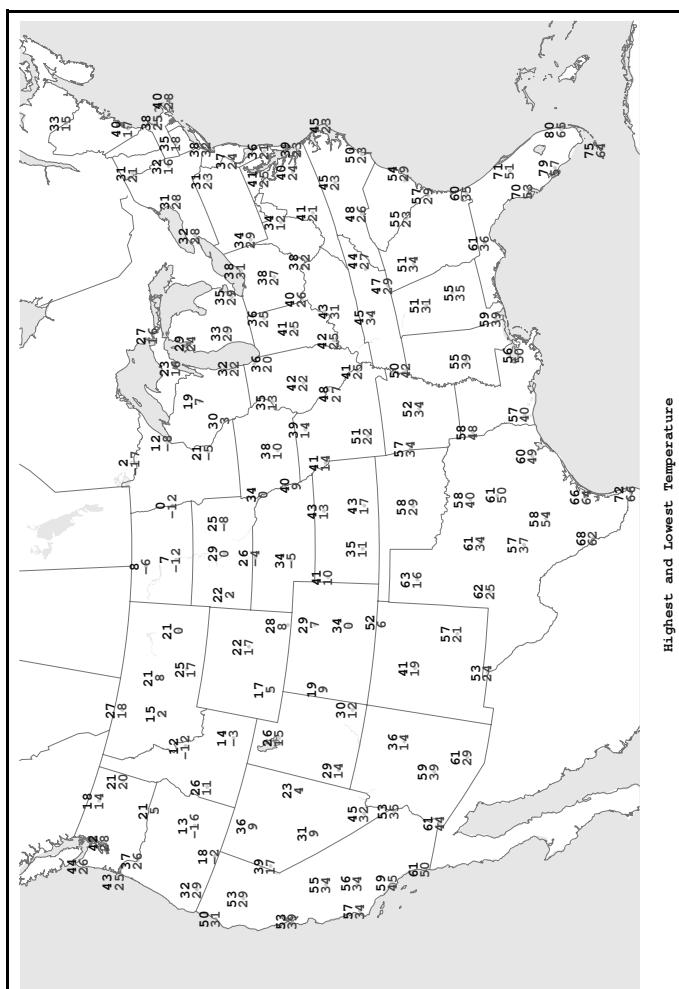
TUESDAY, JANUARY 4, 2011



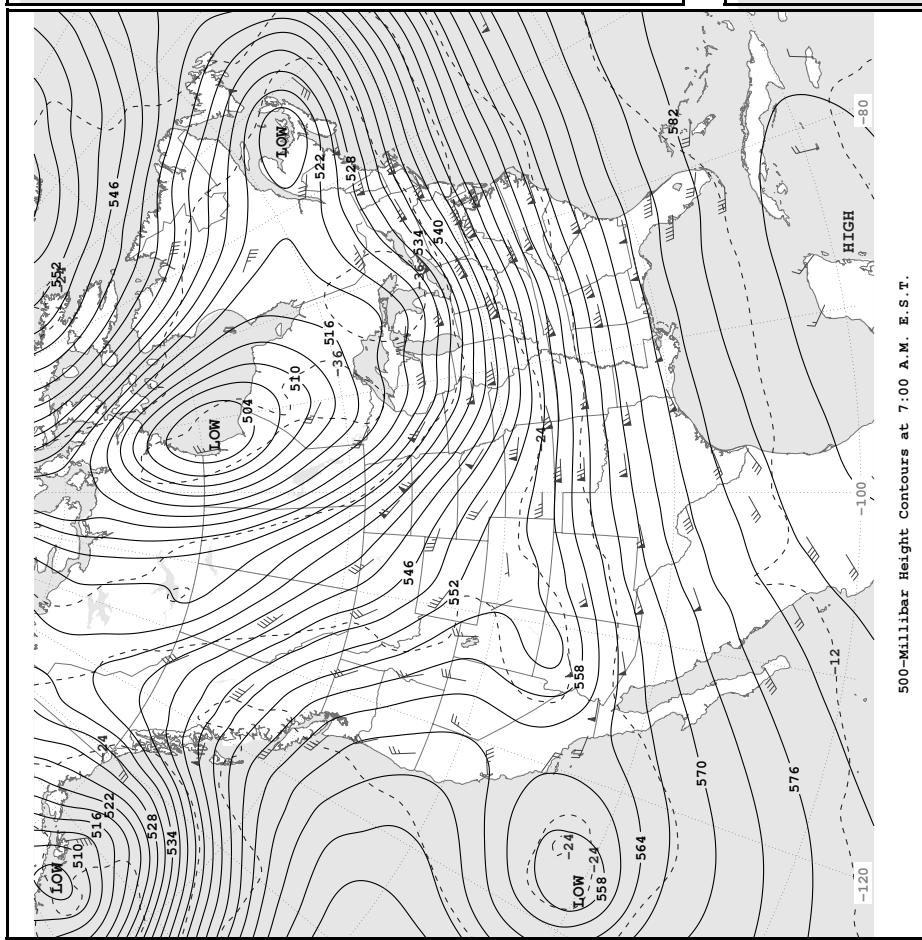
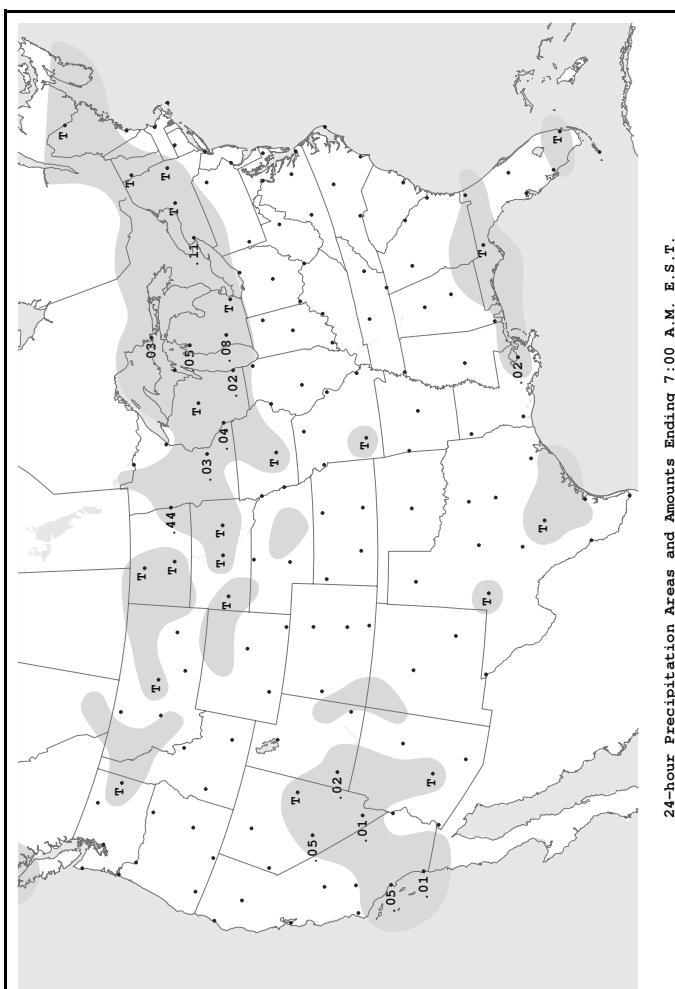
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

# TUESDAY, JANUARY 4, 2011

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



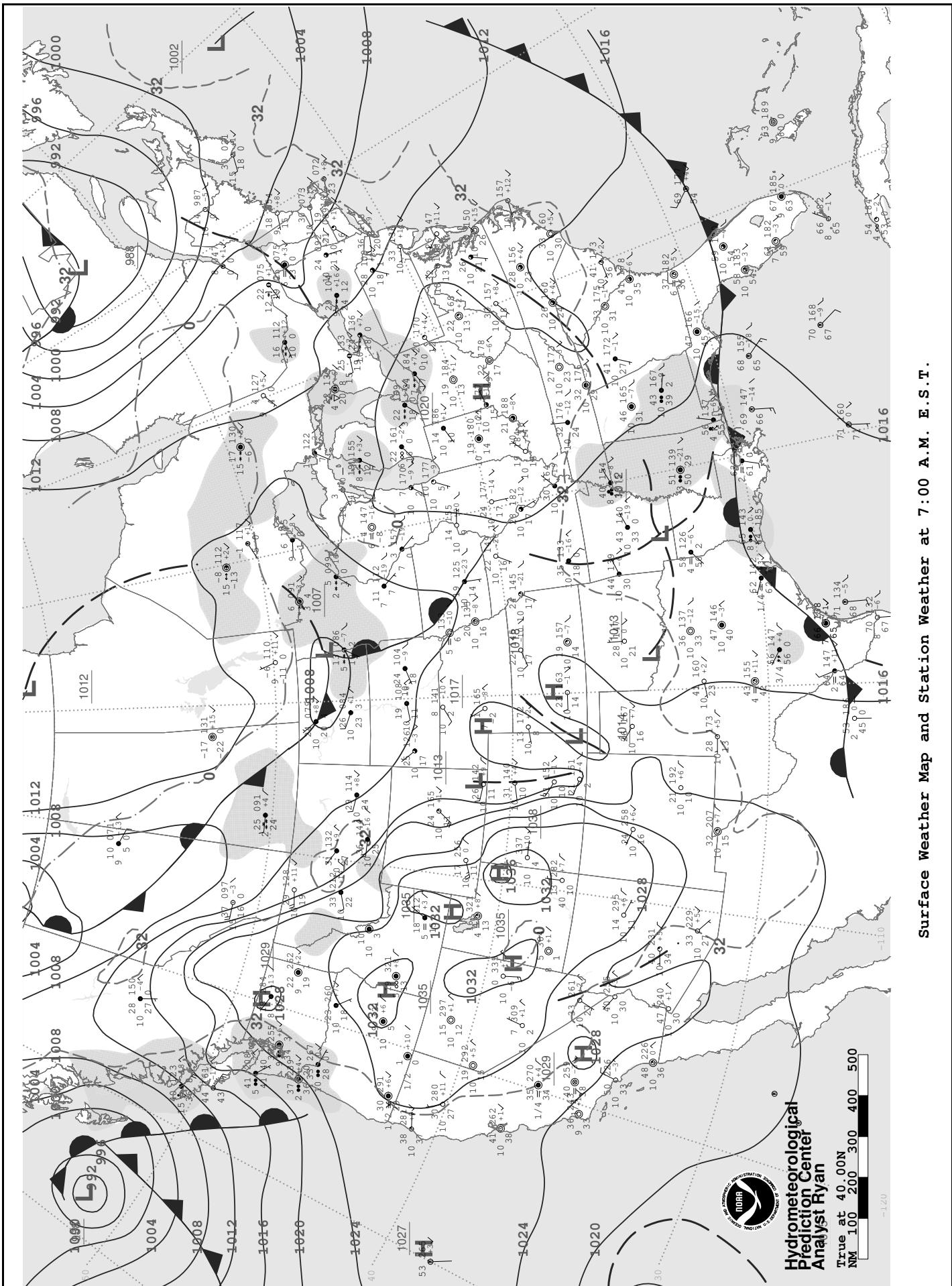
Highest and Lowest Temperature

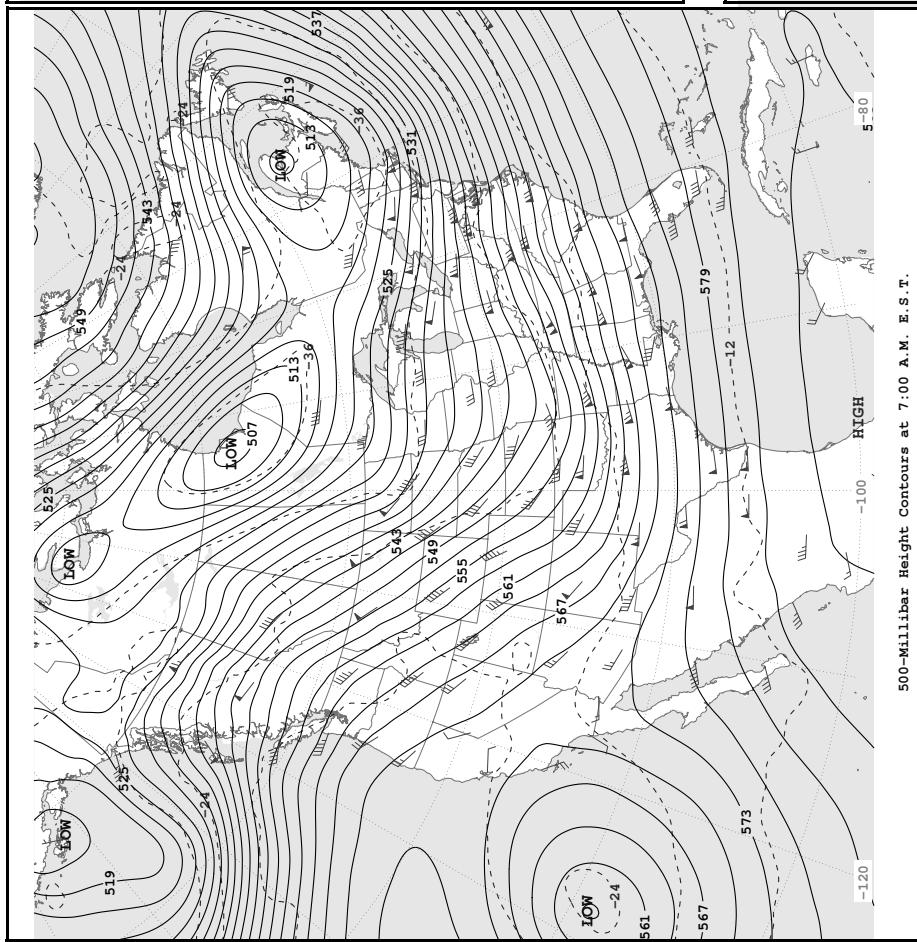
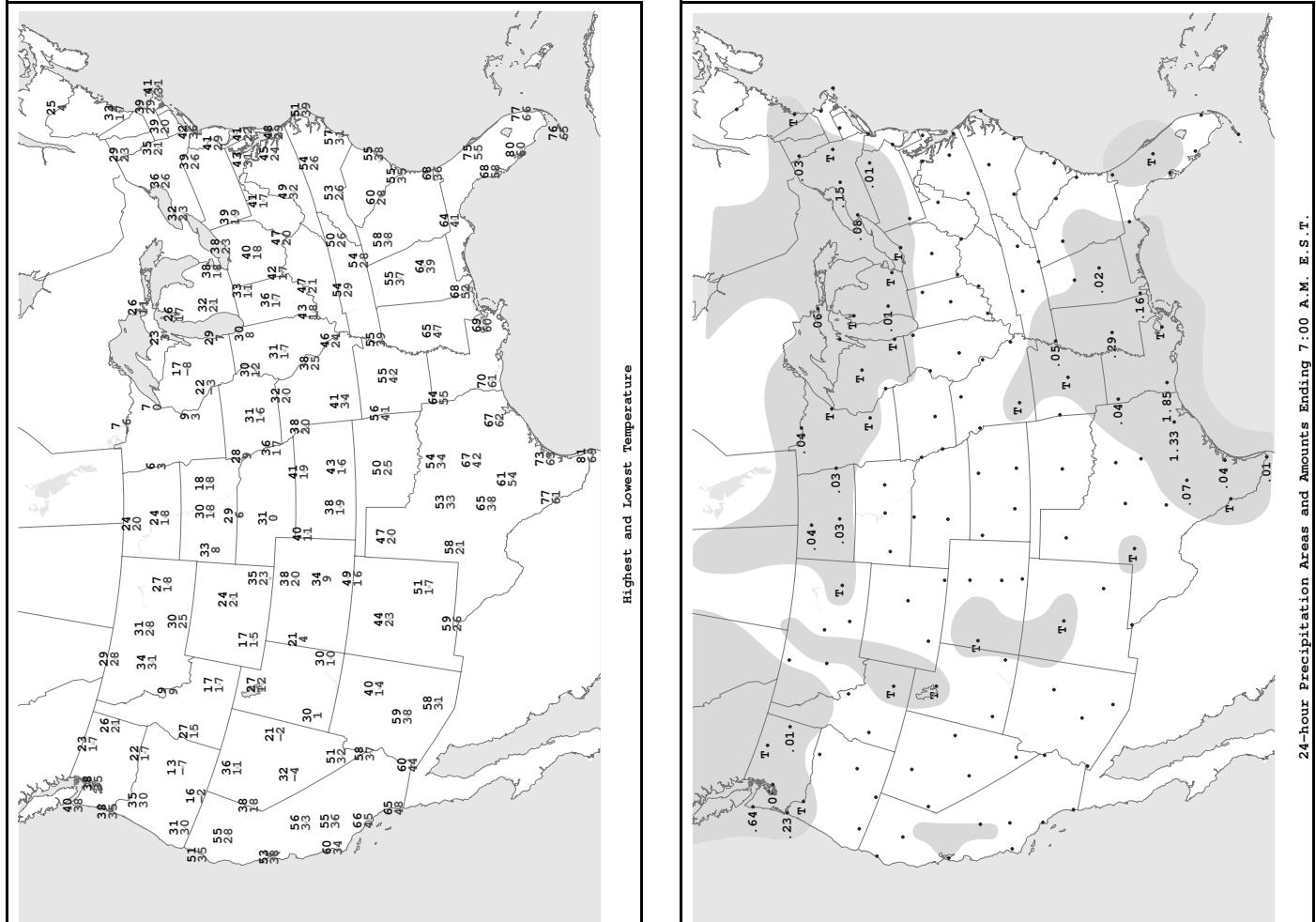


500-Millibar Height Contours at 7:00 A.M. E.S.T.

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,
Visibility (in miles)		012 = 1001.2mb
Present Weather Symbol		3-Hour Pressure Tendency (in tenths)
Dew Point Temperature		6-Hour Total Precipitation (in hundredths of an inch)
Sky Cover		<b>Station Model</b>

**WEDNESDAY, JANUARY 5, 2011**





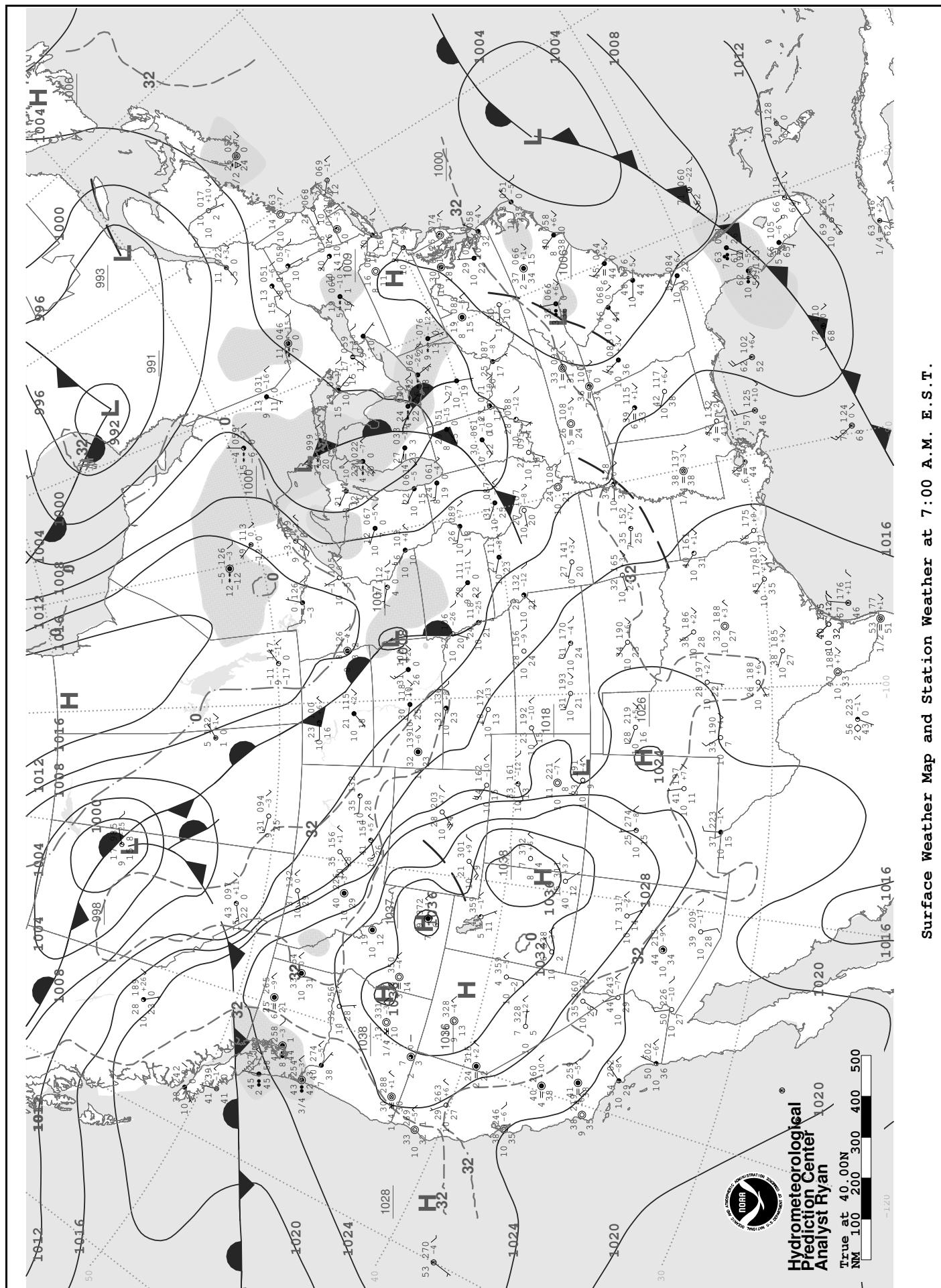
<b>Wind Direction</b>		Wind Speed Long Feather - 10 knots Short Feather - 5 knots
<b>Current Temperature (in °F)</b>		3-Digit Surface Pressure (in tenths) EX: 989 = 998.9mb,
<b>Visibility (in miles)</b>		012 = 1001.2mb
<b>Present Weather Symbol</b>		3-Hour Pressure Tendency (in tenths)
<b>Dew Point Temperature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

**WEDNESDAY, JANUARY 5, 2011**

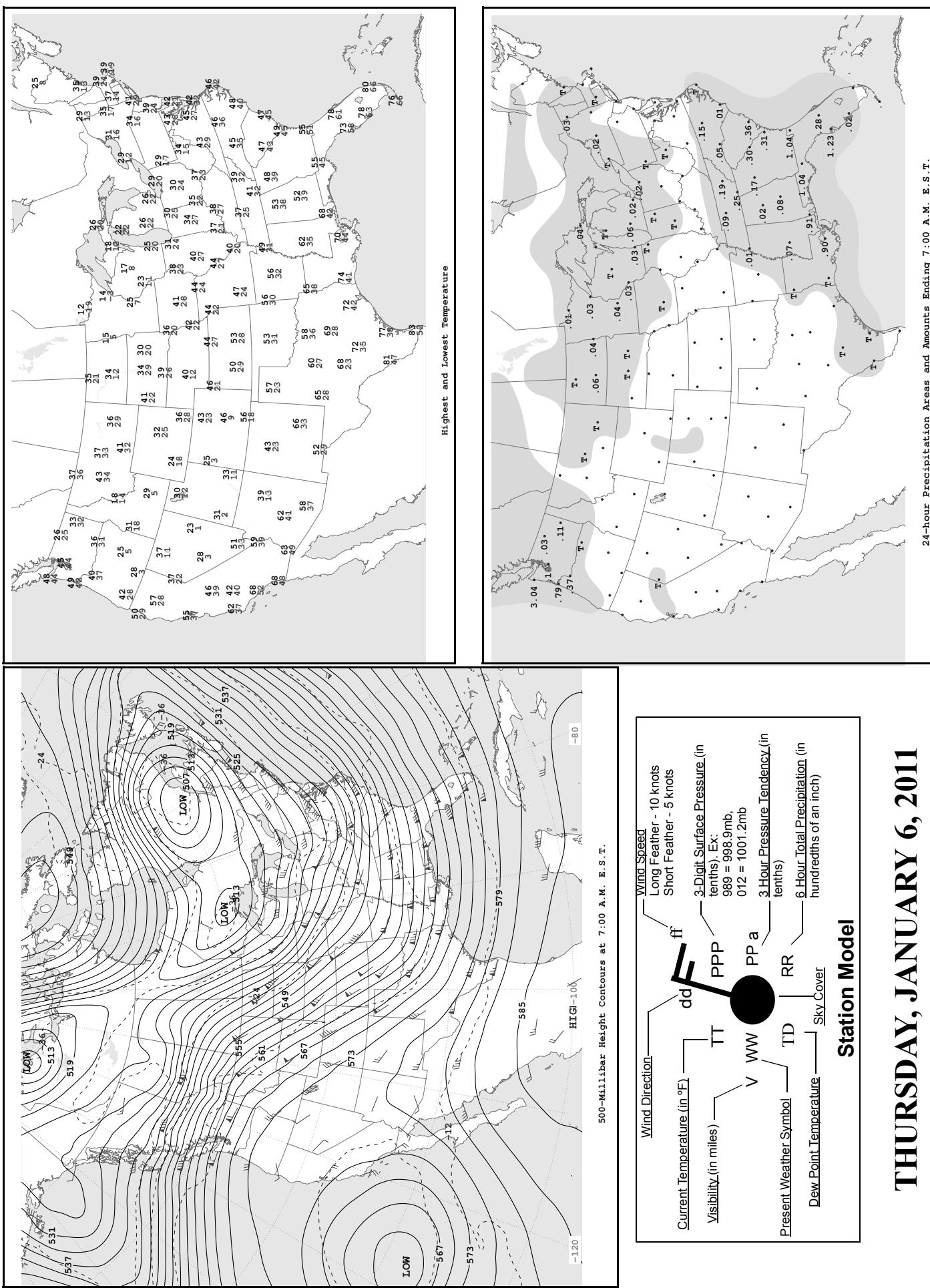
**Station Model**

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

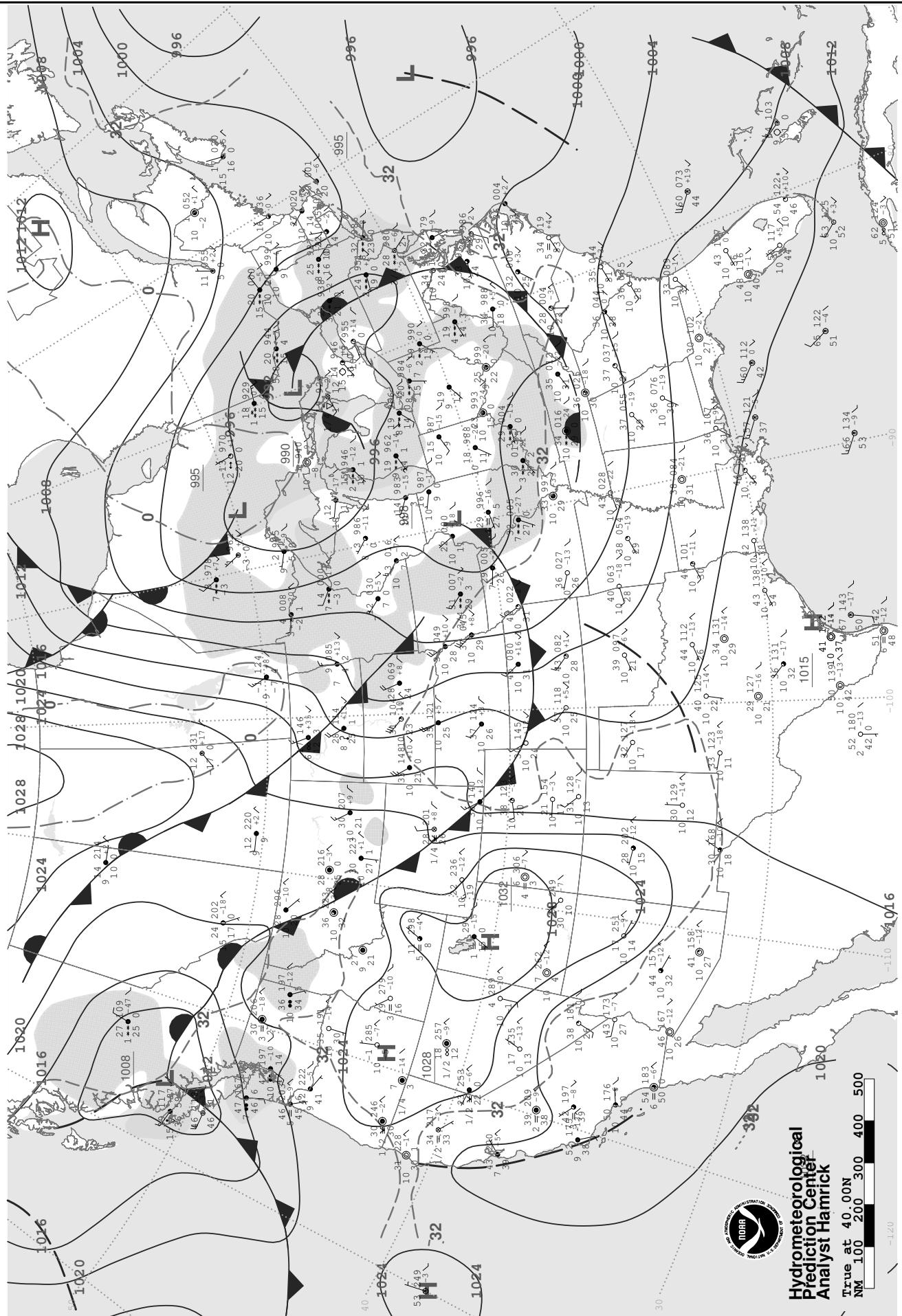
THURSDAY, JANUARY 6, 2011



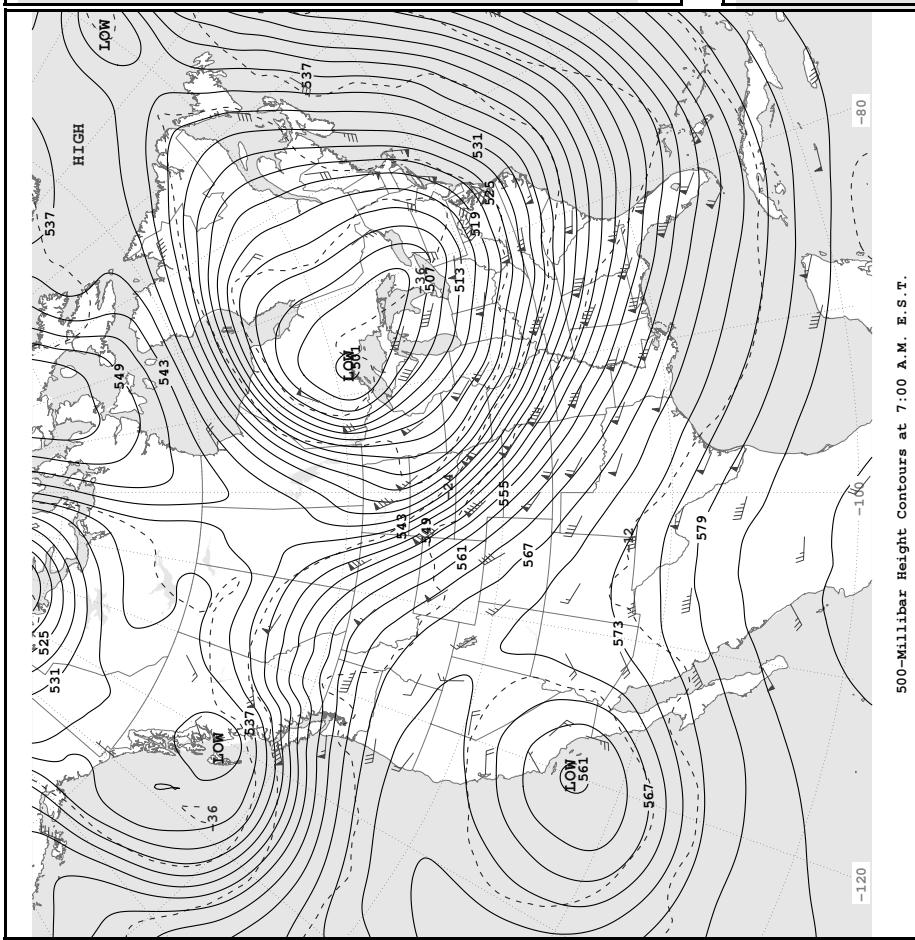
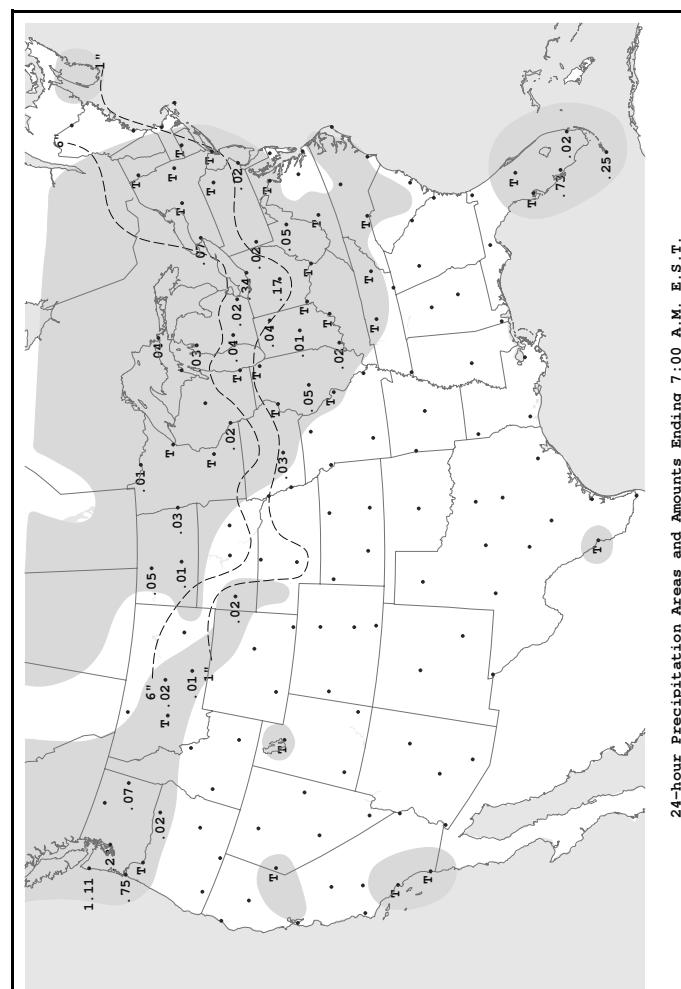
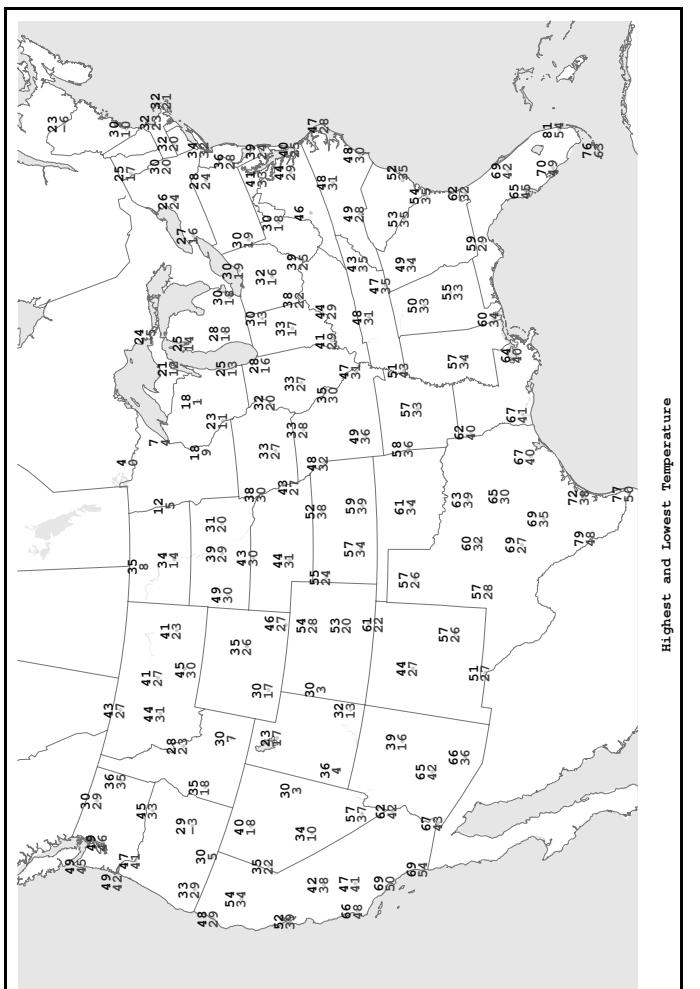
# THURSDAY, JANUARY 6, 2011



**FRIDAY, JANUARY 7, 2011**



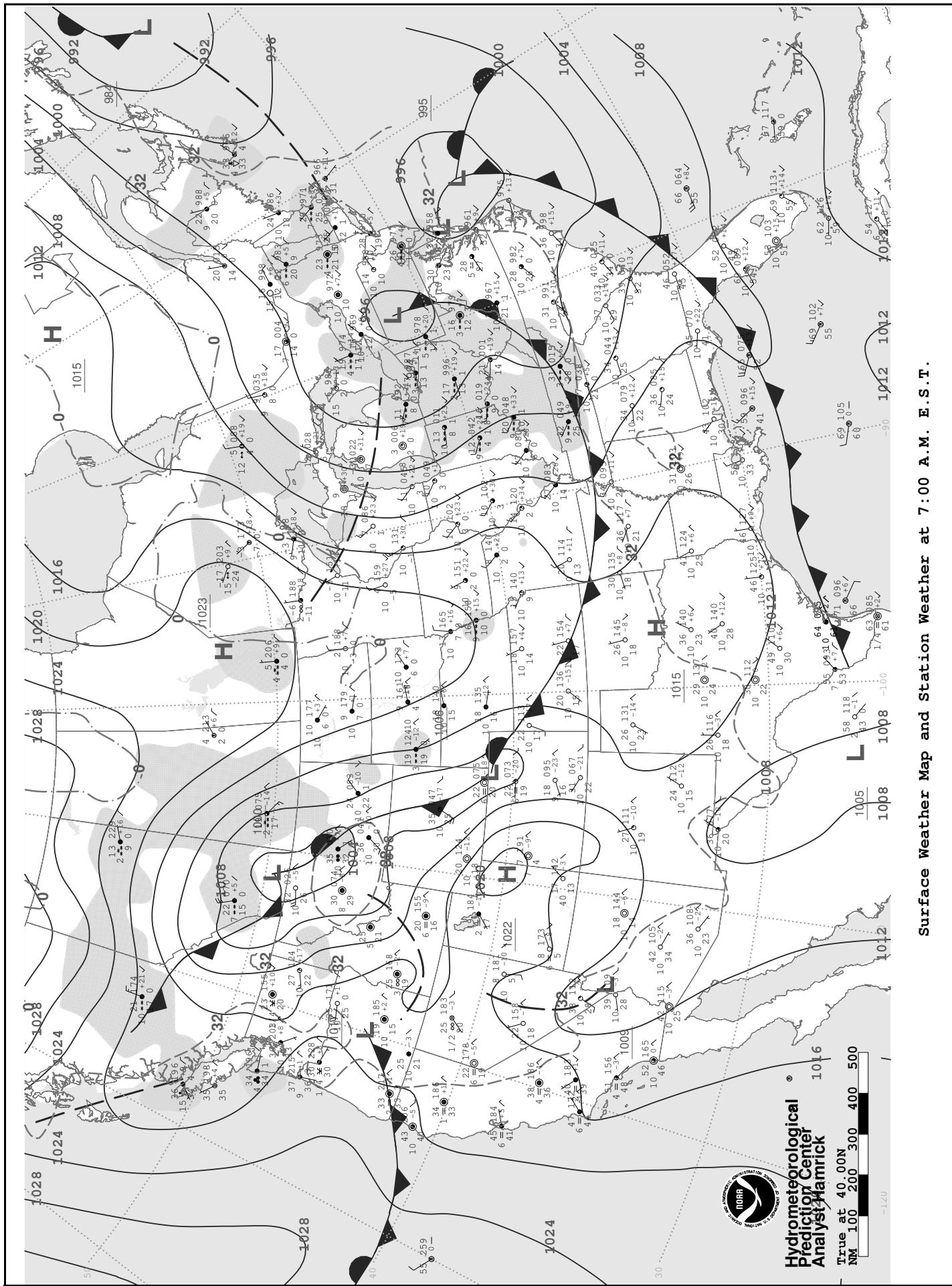
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



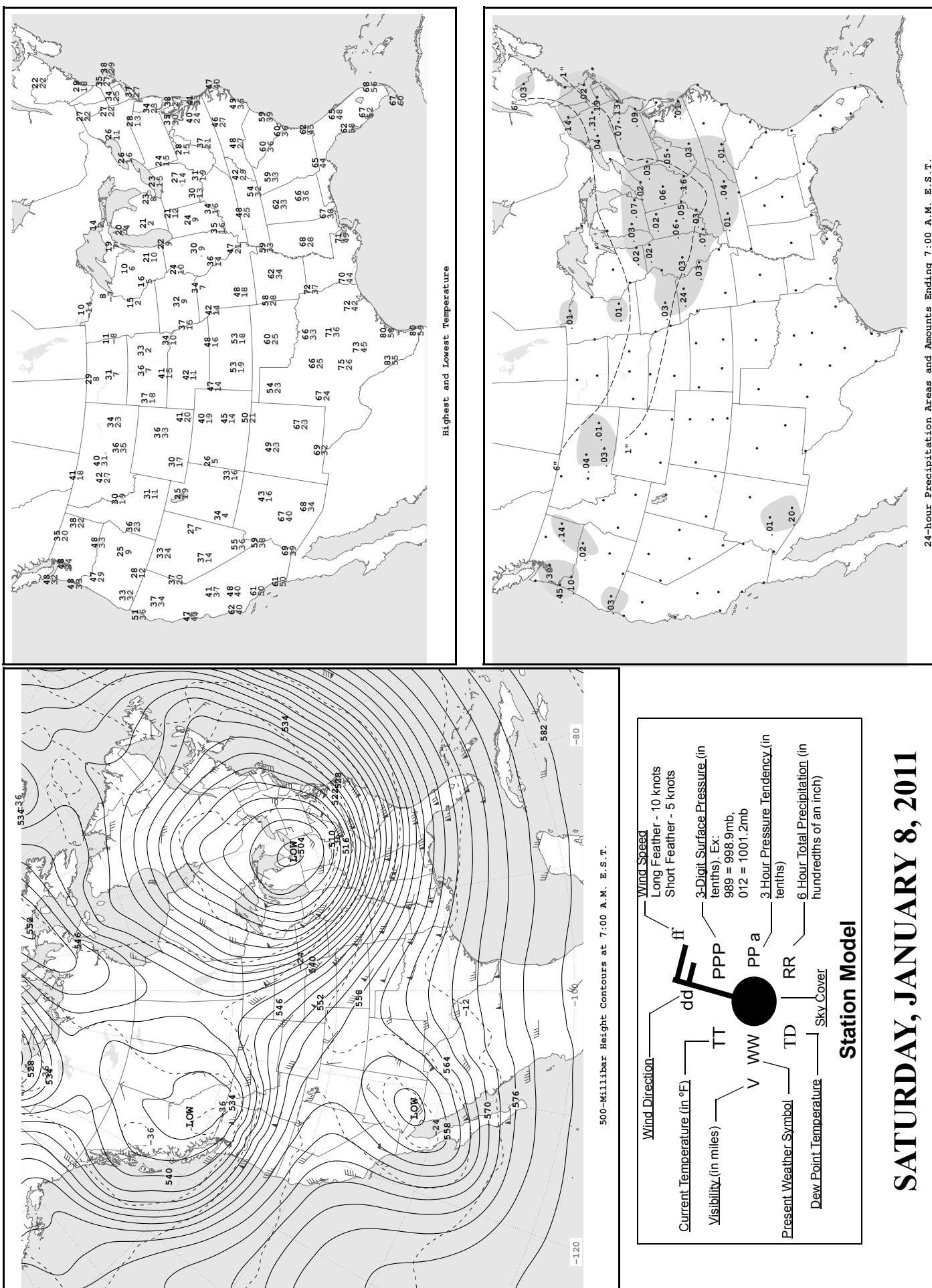
**Station Model**

**FRIDAY, JANUARY 7, 2011**

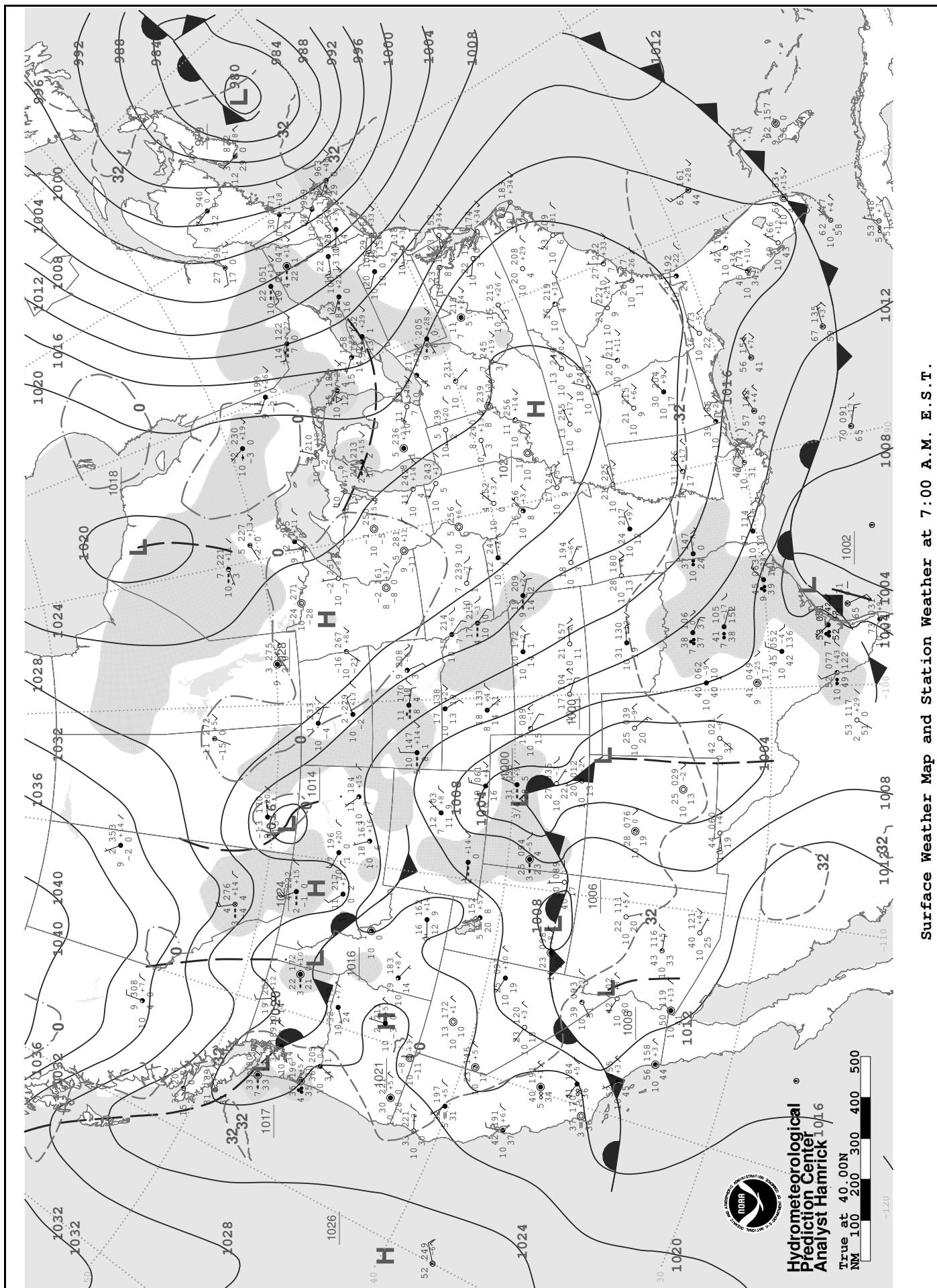
**SATURDAY, JANUARY 8, 2011**

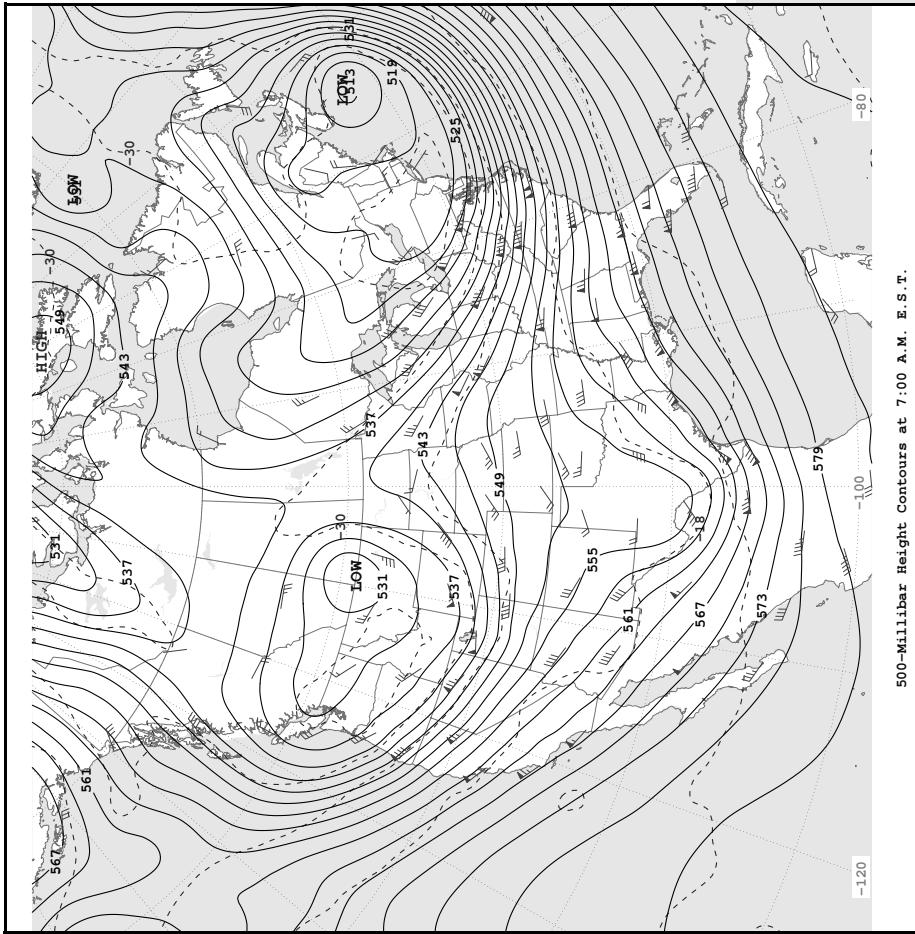
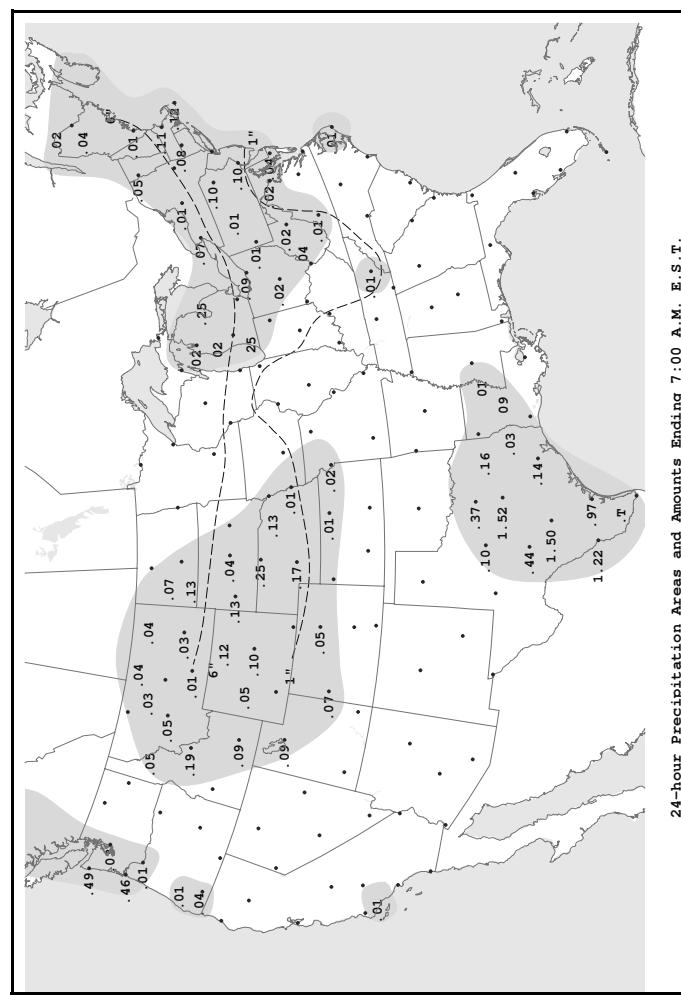
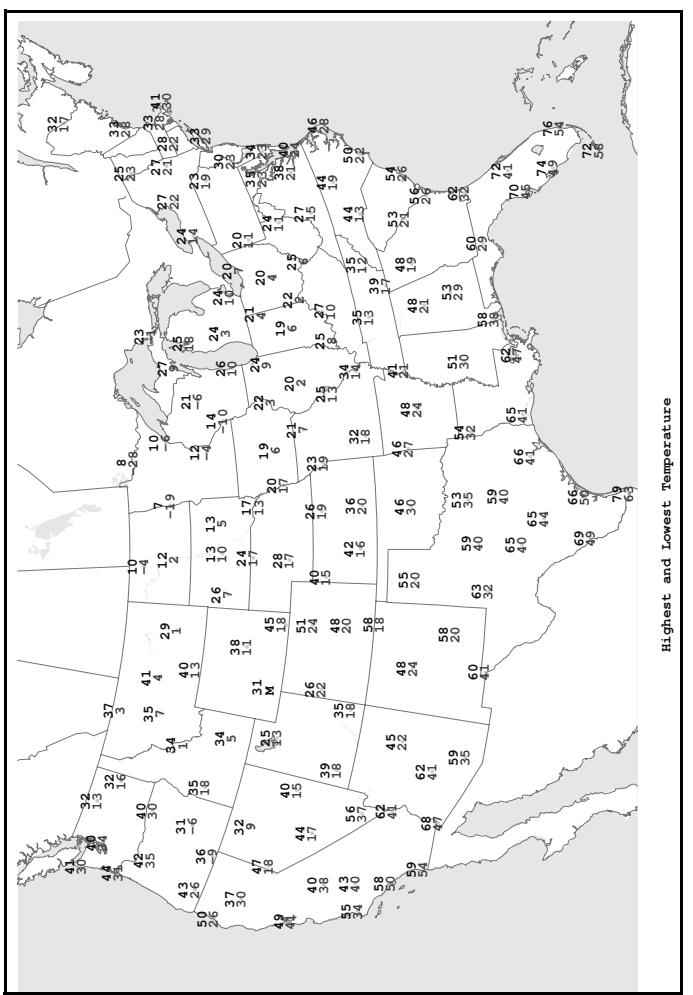


# SATURDAY, JANUARY 8, 2011



SUNDAY, JANUARY 9, 2011





**Station Model**

```

graph TD
    WD[Wind Direction] --> WindSpeed[Wind Speed]
    CT[Current Temperature (in °F)] --> Temp[TT]
    V[Visibility (in miles)] --> PresentWeather[V WW]
    PWT[Present Weather Symbol] --> PW[TD]
    DPT[Dew Point Temperature] --> SkyCover[RR]
    WS[Wind Speed] --> WSValue[Long Feather - 10 knots  
Short Feather - 5 knots]
    SP[Surface Pressure (in tenths) Ex:  
988 = 998.9mb,  
012 = 1001.2mb] --> SPValue[3-Digit Surface Pressure (in tenths)]
    HPT[Hour Pressure Tendency (in tenths)] --> HPTValue[3-Hour Pressure Tendency (in tenths)]
    SC[Sky Cover] --> SCValue[6-Hour Total Precipitation (in hundredths of an inch)]
  
```

# **SUNDAY, JANUARY 9, 2011**

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NOAA/NWS/NCEP/HPC  
Daily Weather Maps, W/NP3  
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#### Note to subscribers

Beginning with the January 3, 2011 *Daily Weather Map*, you will have noticed some changes to the surface analysis. For most of its history, the surface analysis has been specially prepared for this publication. Beginning with this version of the *Daily Weather Map*, the surface analysis will be the same as the analysis prepared operationally by the Hydrometeorological Prediction Center (HPC) for use by National Weather Service Forecast Offices and other customers of the HPC. This new procedure will have a more detailed surface analysis that is consistent with other HPC analyses.

#### Differences Between past and current *Daily Weather Map* surface analysis:

- The chart will have more detail.
- High and lows will be abbreviated to "H" and "L" rather than spelled out.
- Central pressures for highs and lows will be plotted and underlined.
- The shaded precipitation areas will be based on all stations, not just those plotted on the surface chart.
- The isotherms for 32 degrees and 0 degrees will be based on all stations, not just those plotted on the surface chart giving a more realistic picture.

Comments or questions regarding the *Daily Weather Map* can be submitted through the "Contact Us – About Our Products" link on the HPC web page at <http://www.hpc.ncep.noaa.gov/>