



Daily Weather Maps

APRIL 4, 2011 - APRIL 10, 2011

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. 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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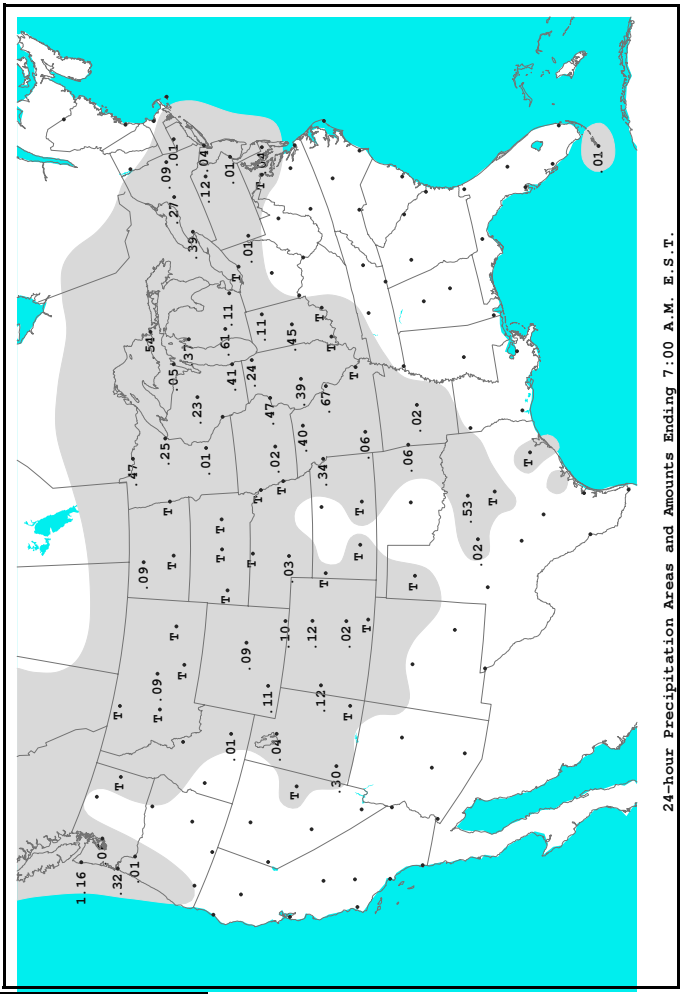
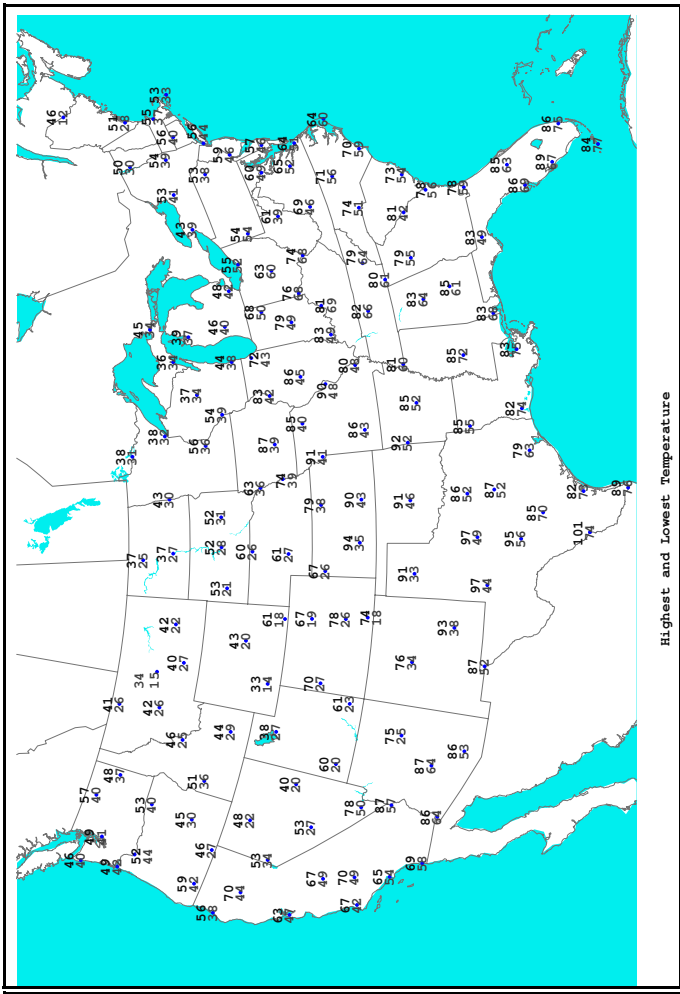
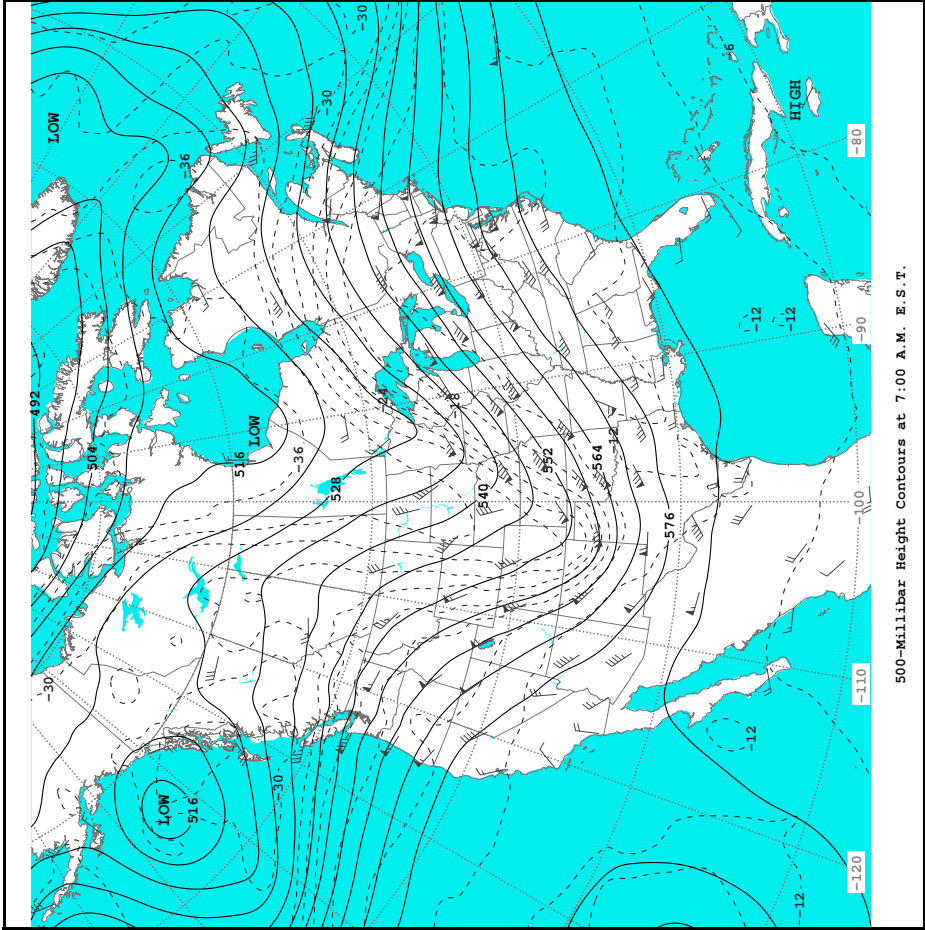
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This is a detailed surface weather map of the United States and surrounding oceans, showing pressure systems, fronts, and station data. The map is titled "Surface Weather Map and Station Weather at 7:00 A.M. E.S.T." and includes a scale bar and a logo for the Hydrometeorological Prediction Center.

Key Features:

- Pressure Systems:** A high-pressure system (H) is located over the central United States, with a pressure of 1016. A low-pressure system (L) is located over the Gulf of Mexico, with a pressure of 1008. Another low-pressure system is located over the Atlantic Ocean, with a pressure of 1004.
- Fronts:** A cold front (indicated by a line with triangles) extends from the low-pressure system over the Gulf of Mexico towards the southeast. A warm front (indicated by a line with semicircles) extends from the low-pressure system over the Atlantic Ocean towards the northeast. A stationary front (indicated by a line with alternating triangles and semicircles) is located over the central United States.
- Station Data:** Numerous weather stations are marked with their respective data, including temperature, dew point, wind speed and direction, and cloud cover. For example, a station in the central United States shows a temperature of 25, a dew point of 16, and a wind speed of 10.
- Scale and Orientation:** A scale bar at the bottom right indicates distances in miles (0 to 500). The map is oriented with North at the top.
- Logo:** The logo for the Hydrometeorological Prediction Center, Analyst Gerhardt, is located in the bottom right corner.

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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

3-Digit Surface Pressure (in tenths) Ex:

989 = 998.9mb

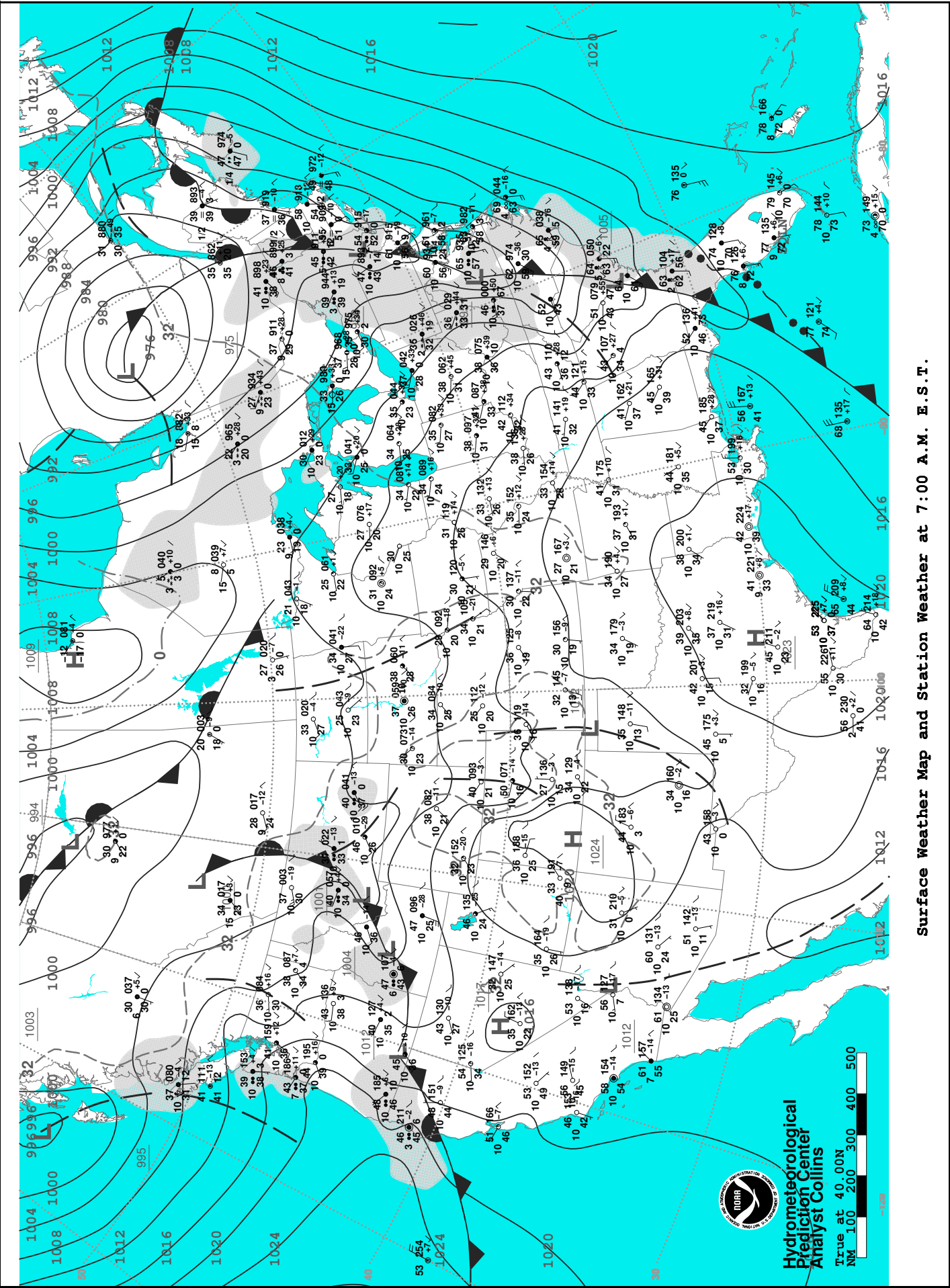
012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

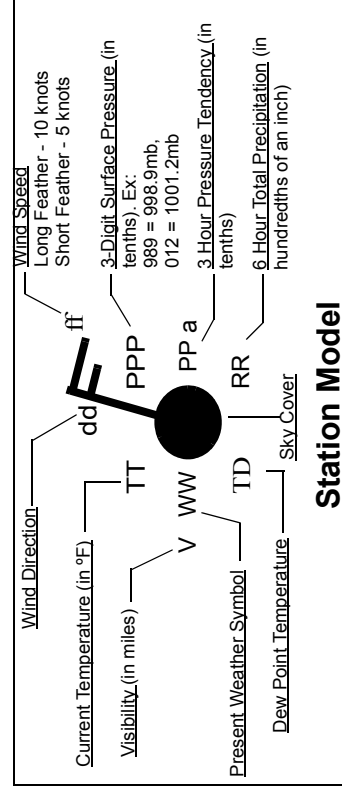
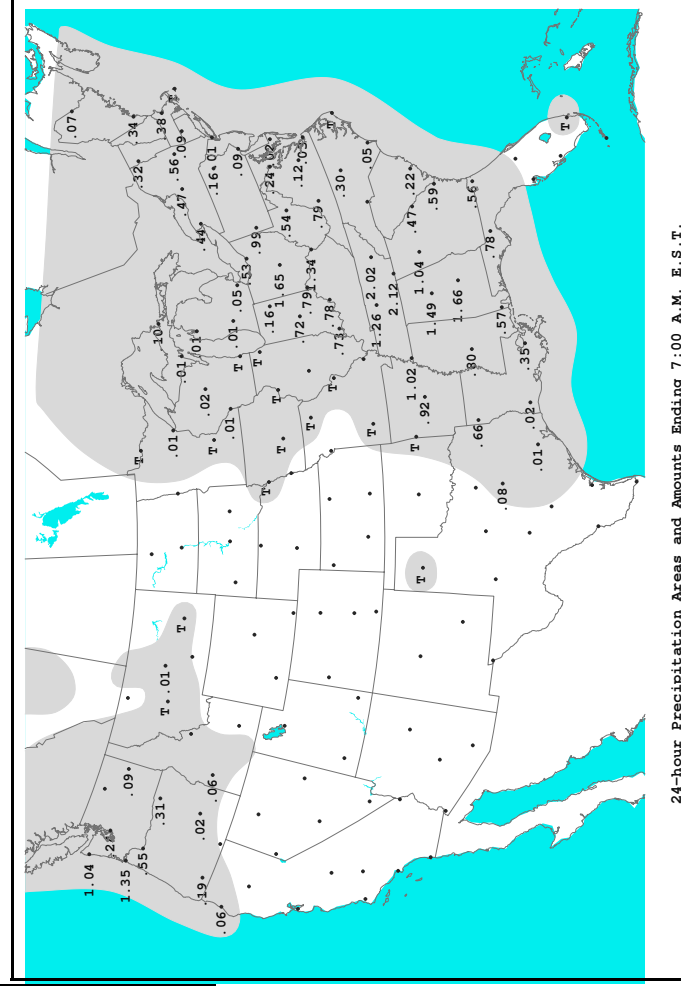
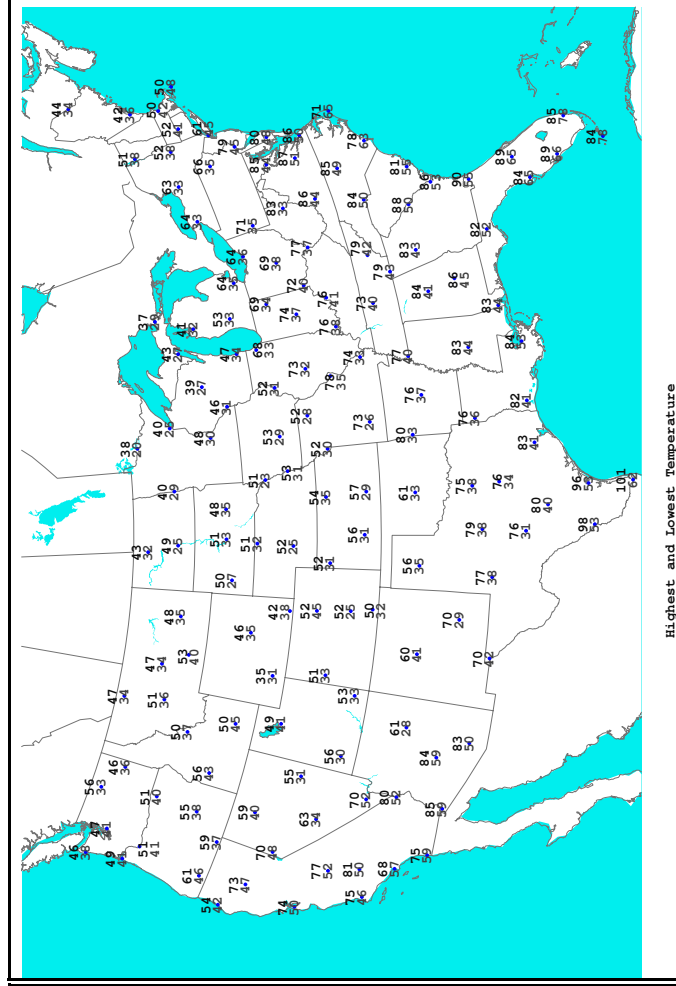
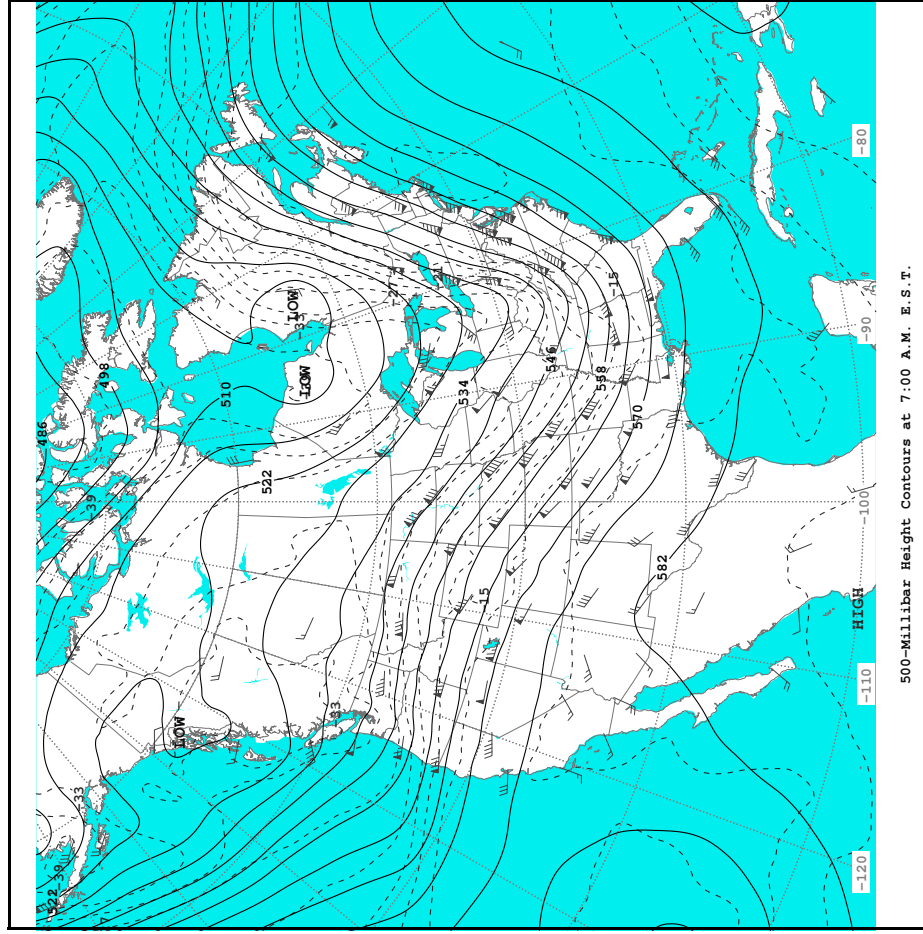
6 Hour Total Precipitation (in hundredths of an inch)

Station Model

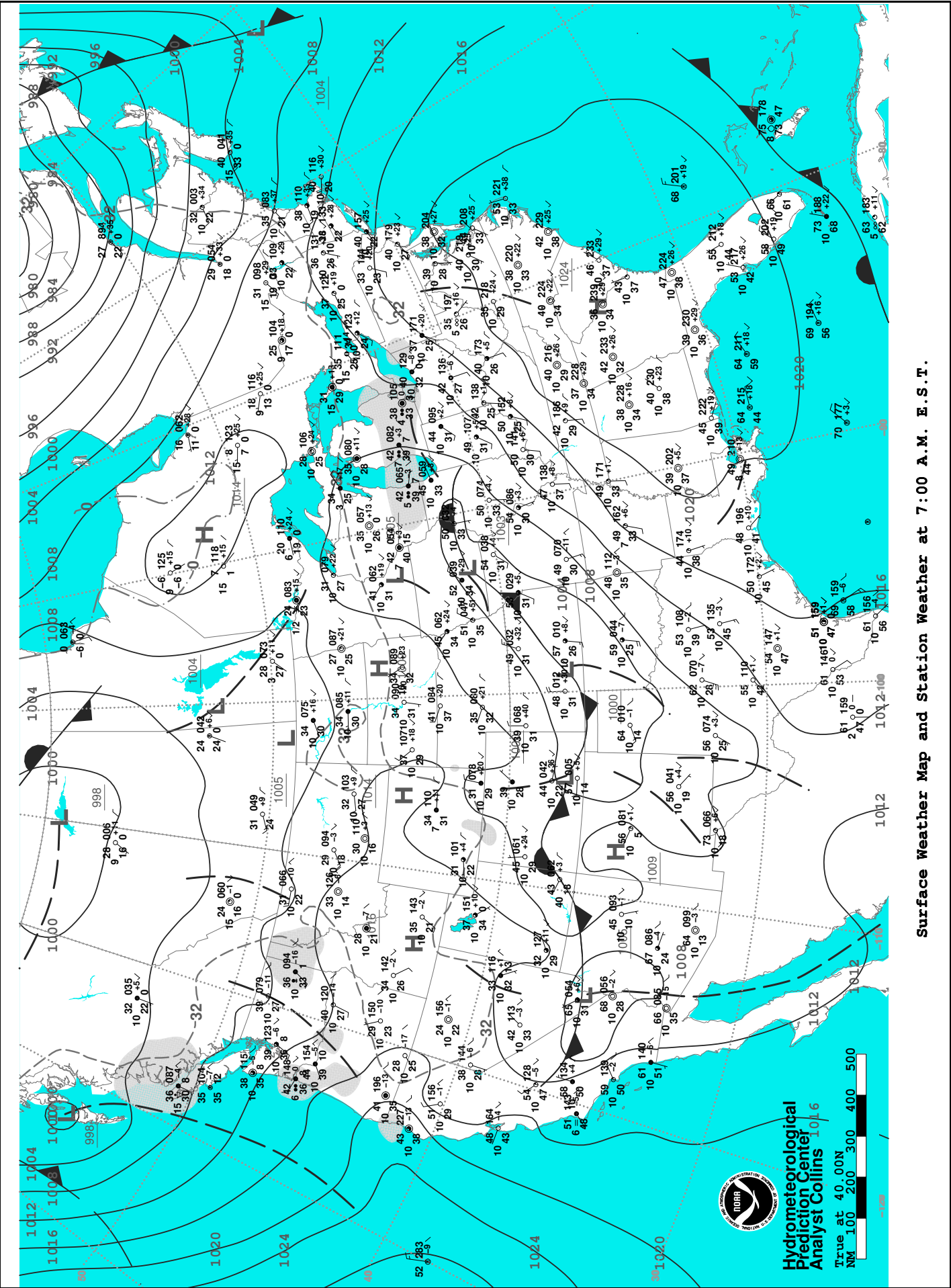
MONDAY, APRIL 4, 2011



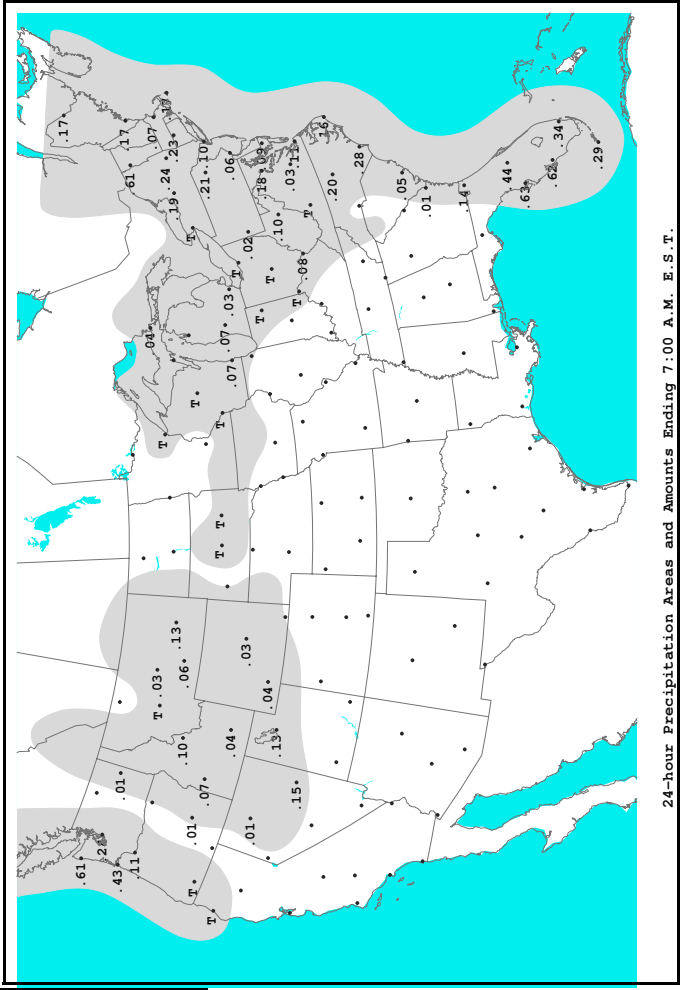
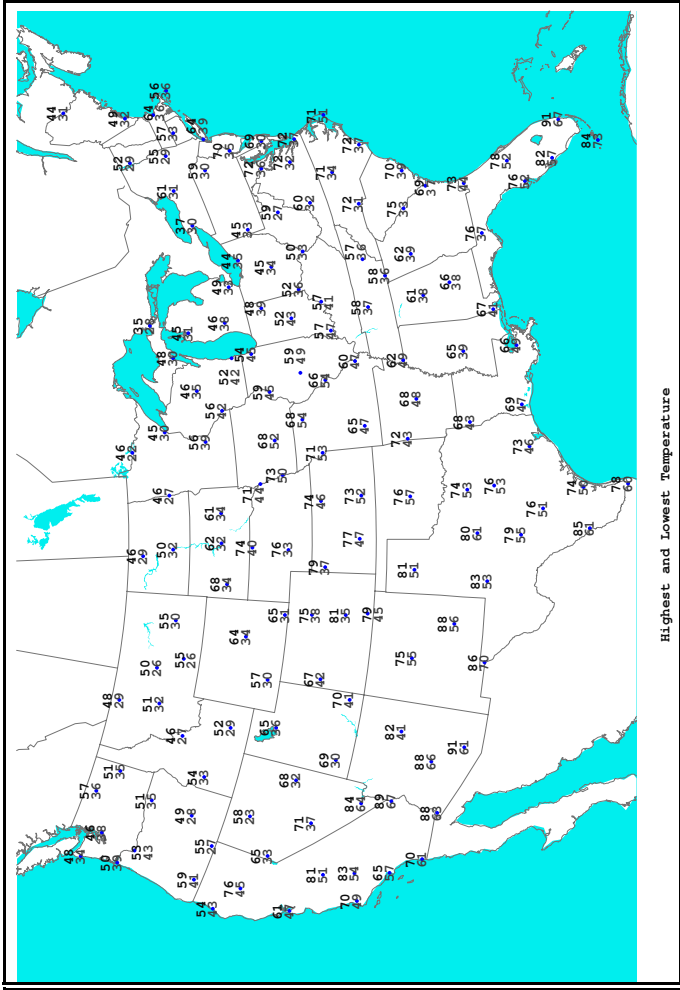
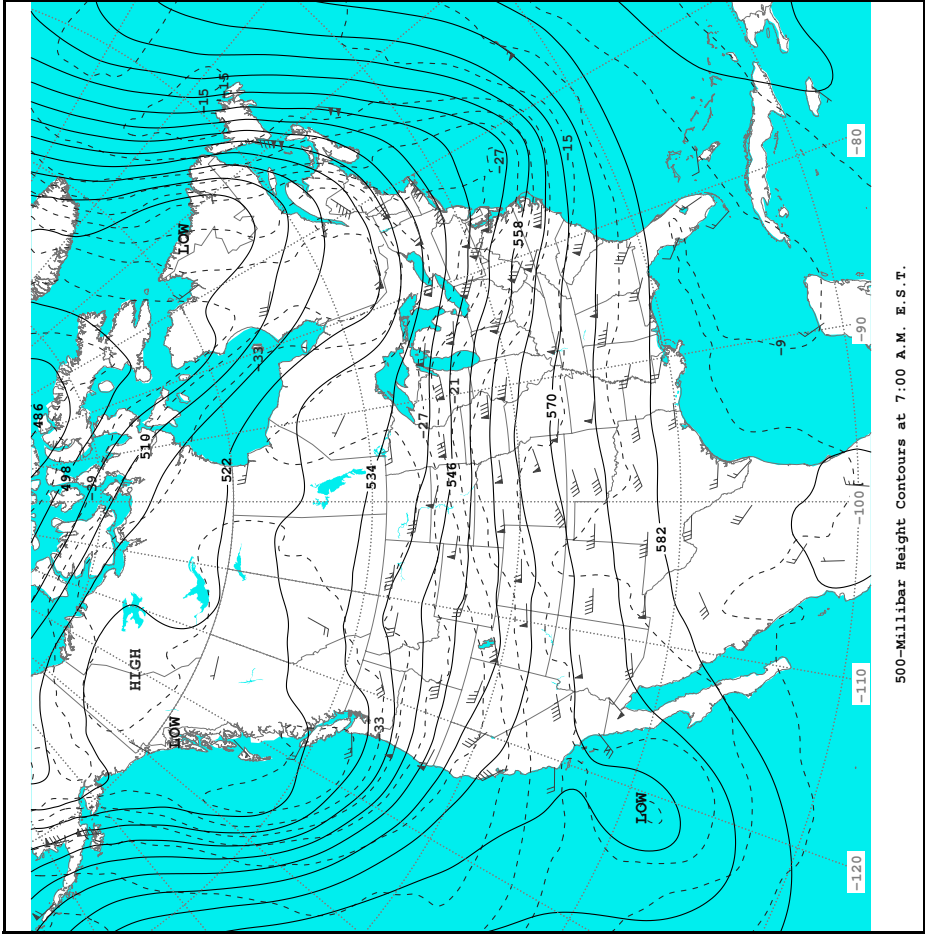
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



TUESDAY, APRIL 5, 2011



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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

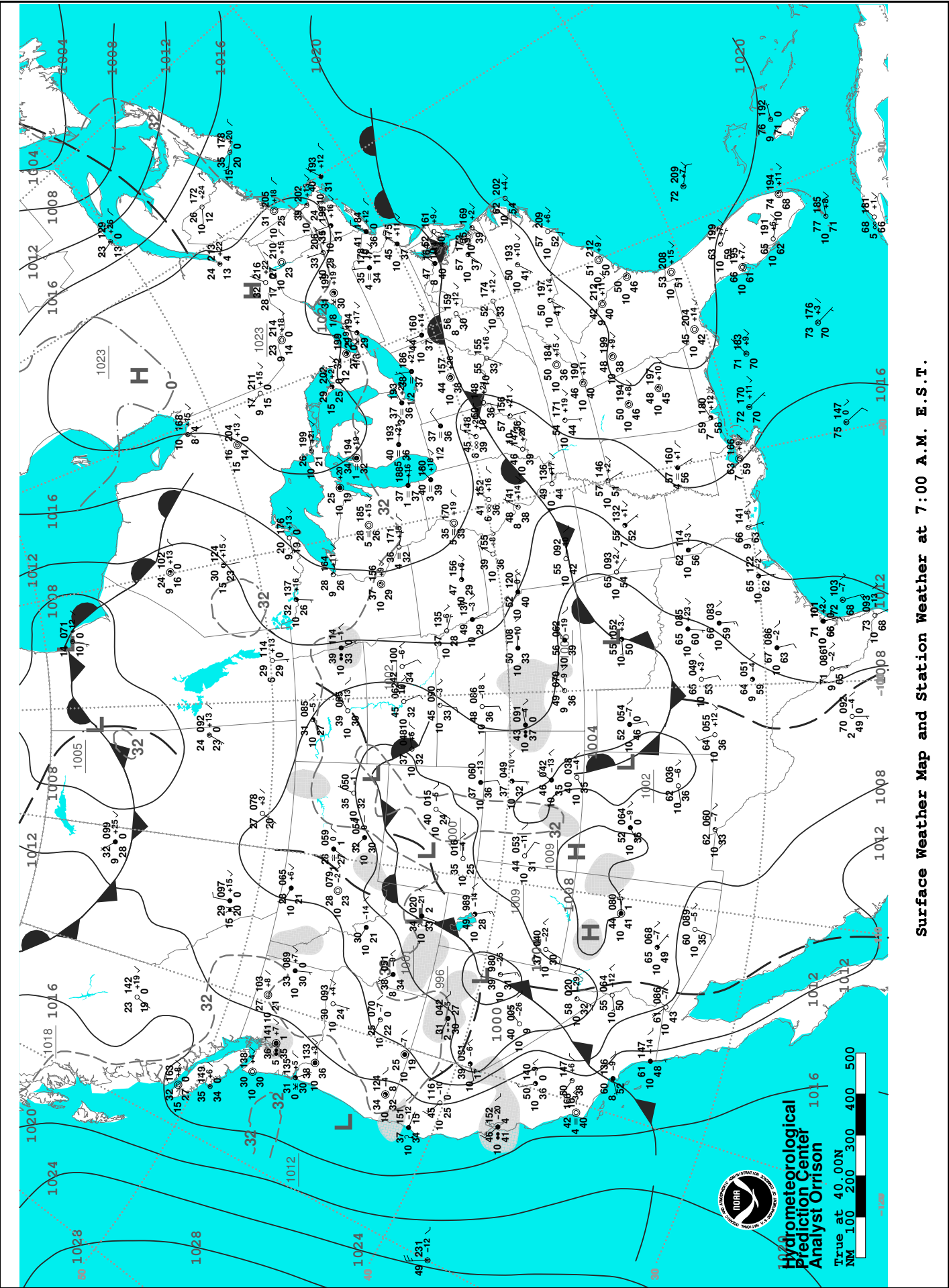
3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

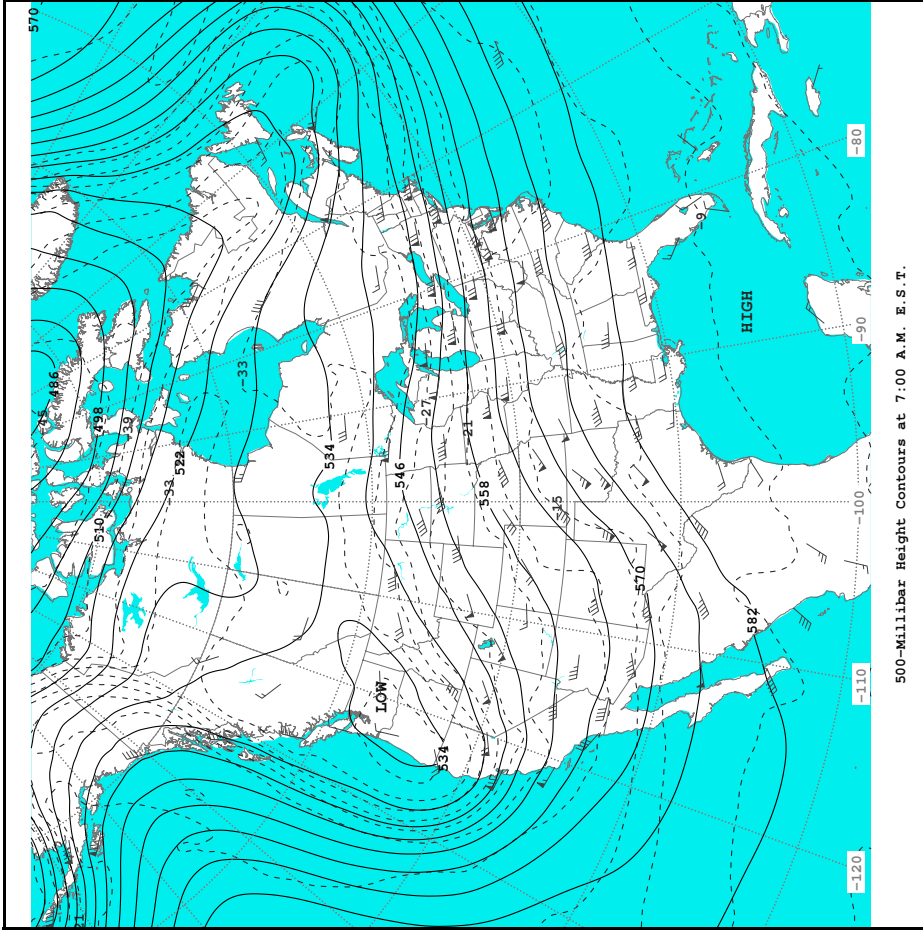
6 Hour Total Precipitation (in hundredths of an inch)

Station Model

WEDNESDAY, APRIL 6, 2011



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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

3-Digit Surface Pressure (in tenths)

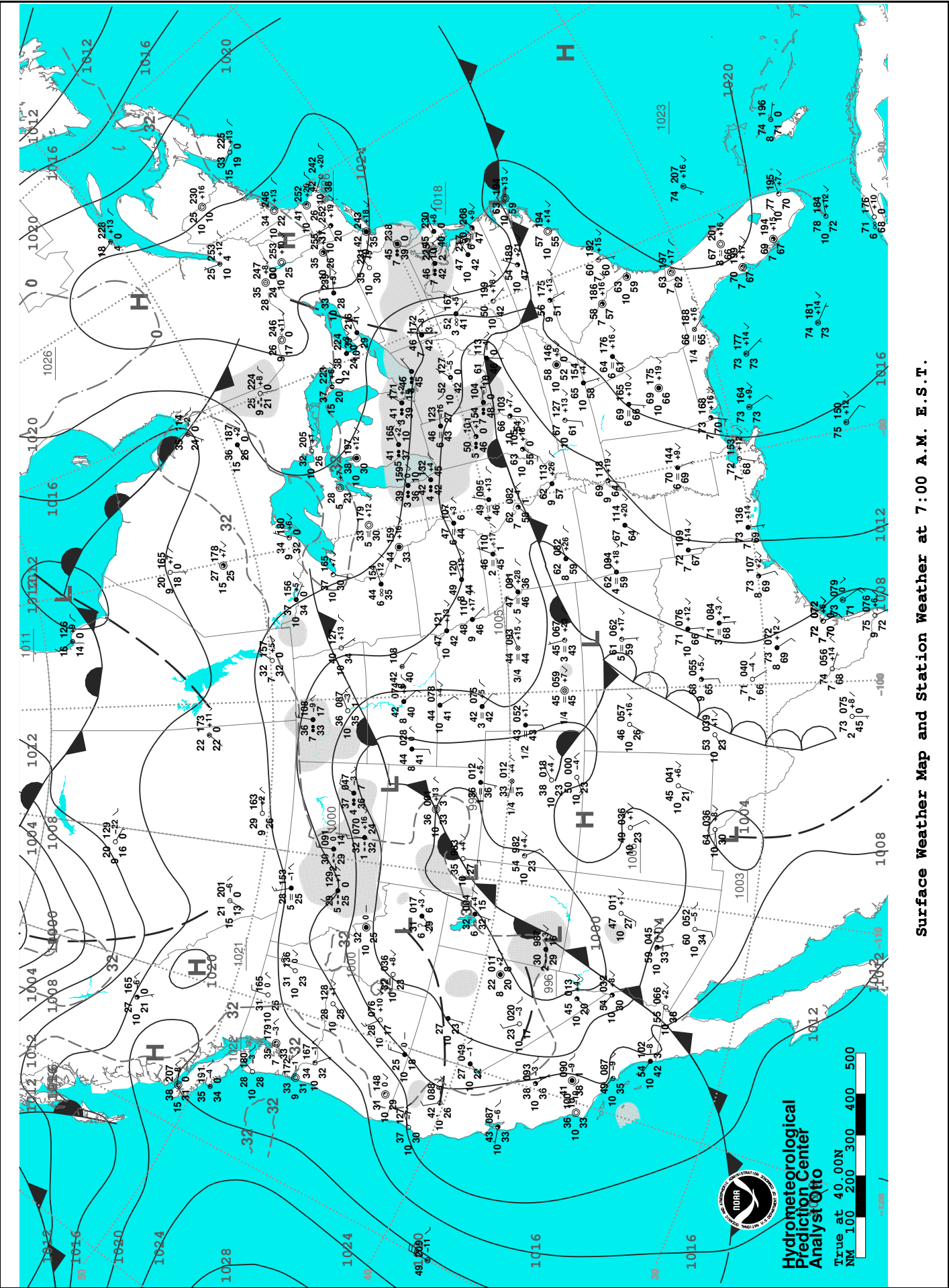
Ex: 989 = 998.9mb, 012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

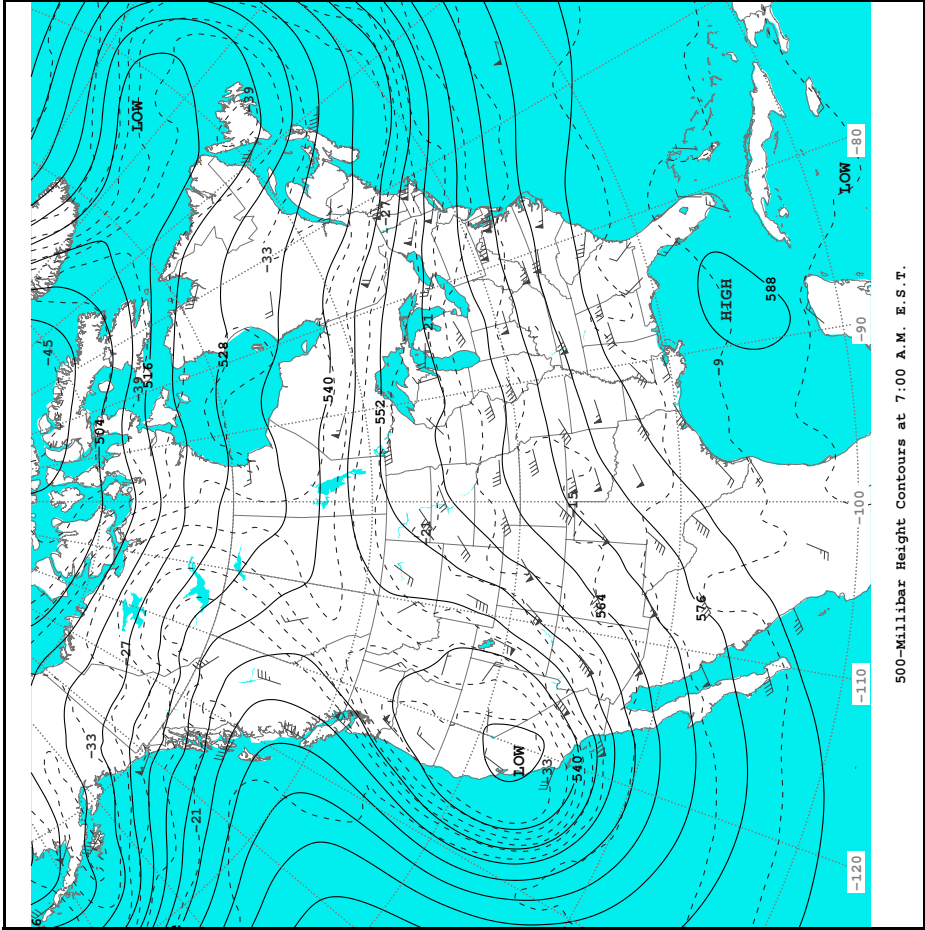
6 Hour Total Precipitation (in hundredths of an inch)

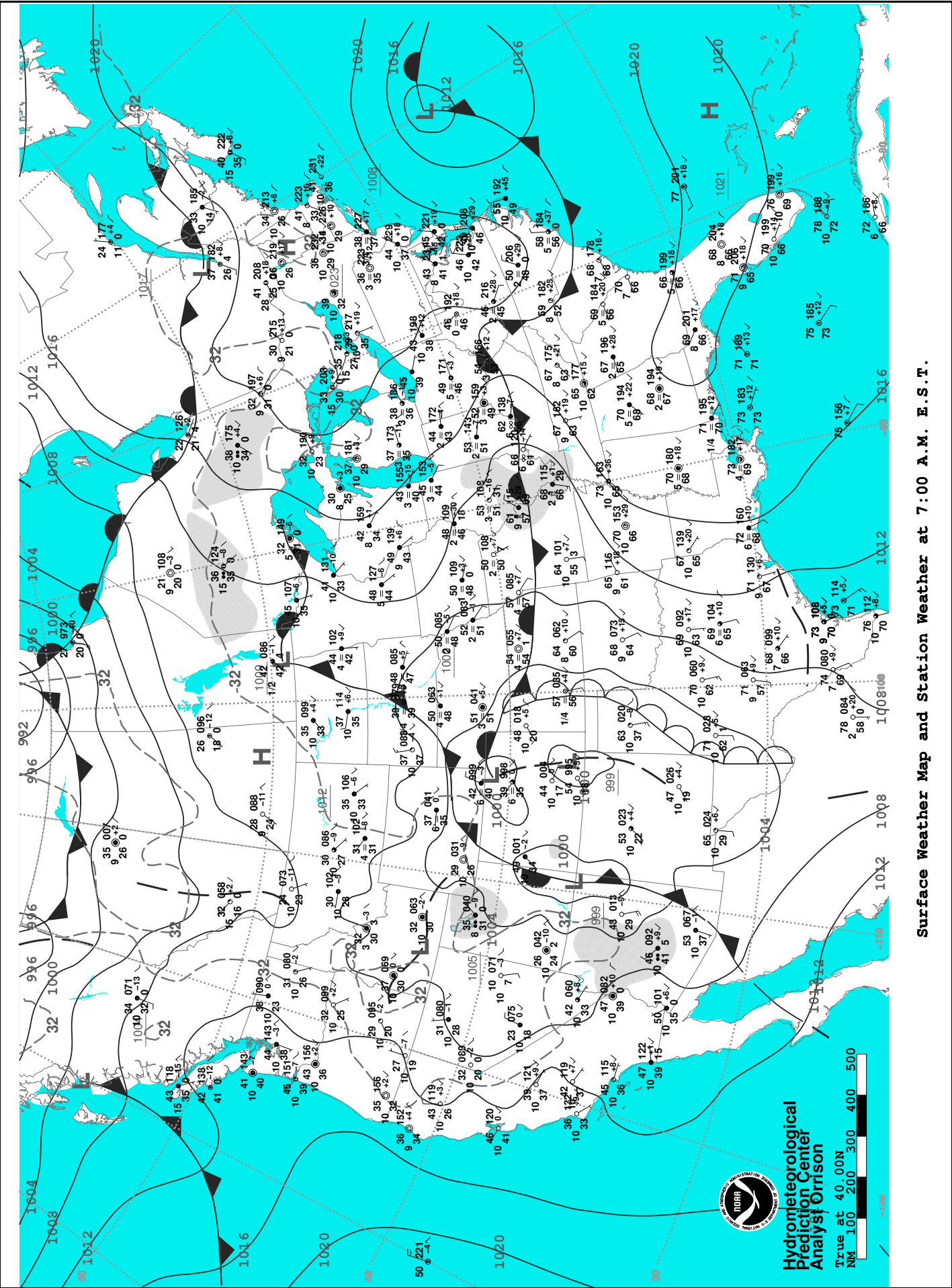
Station Model

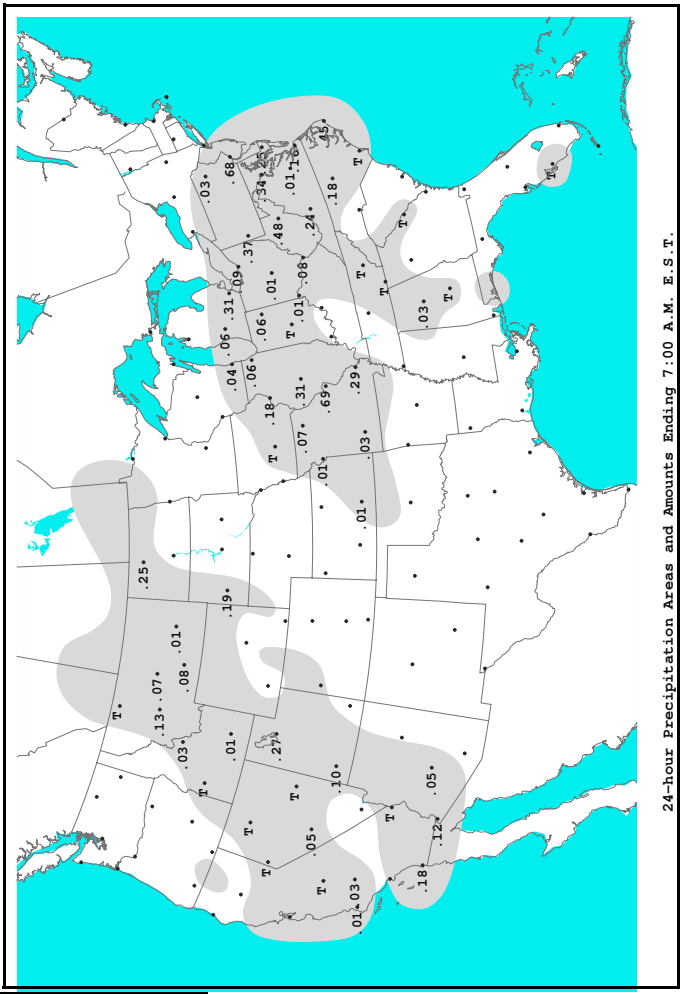
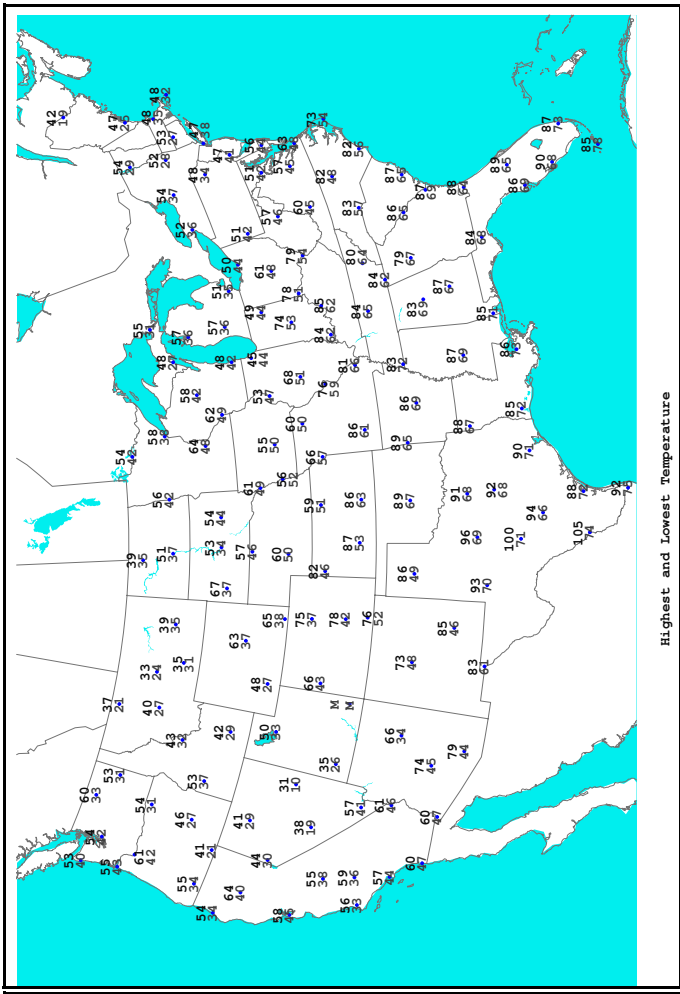
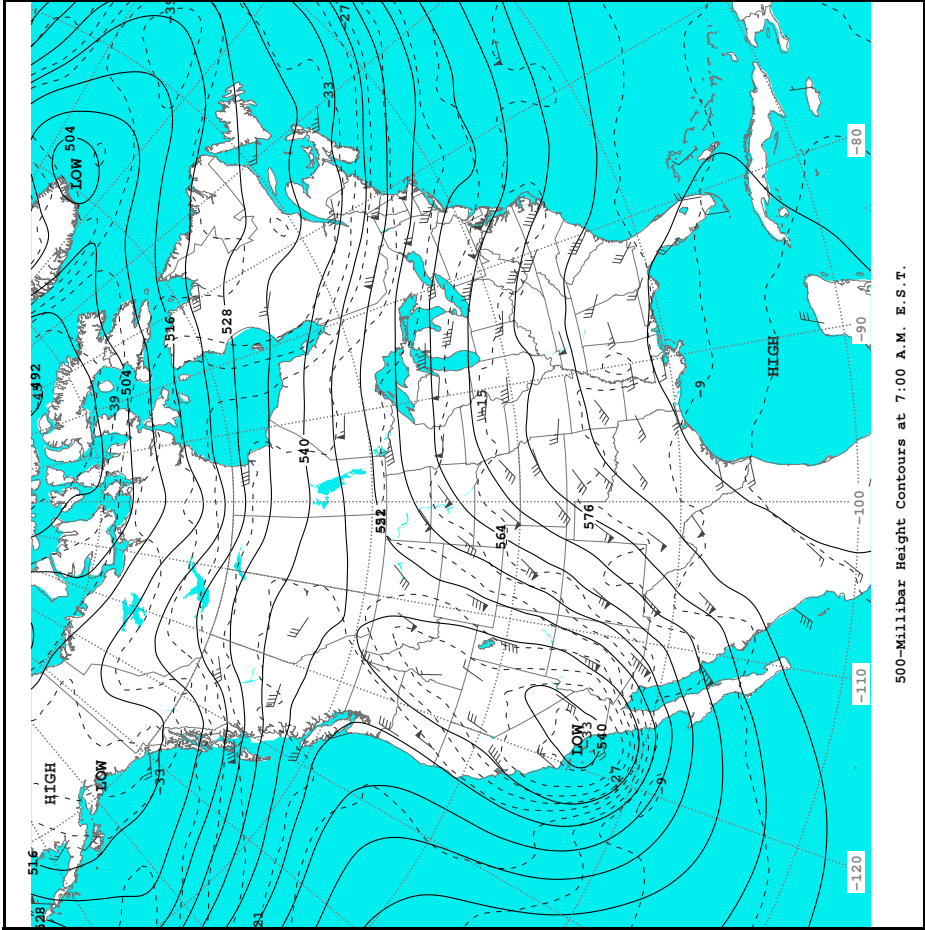
THURSDAY, APRIL 7, 2011



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







Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

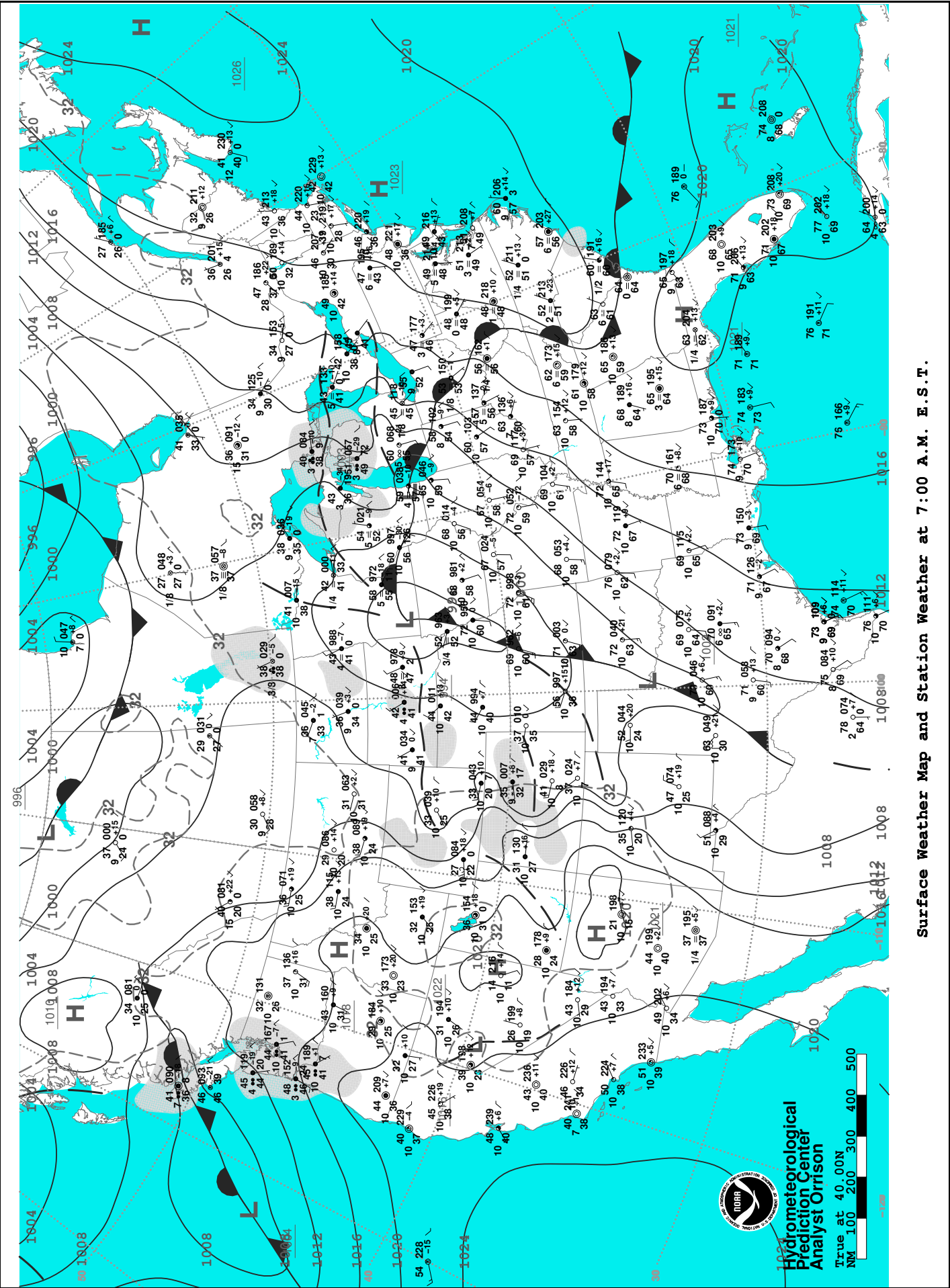
3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

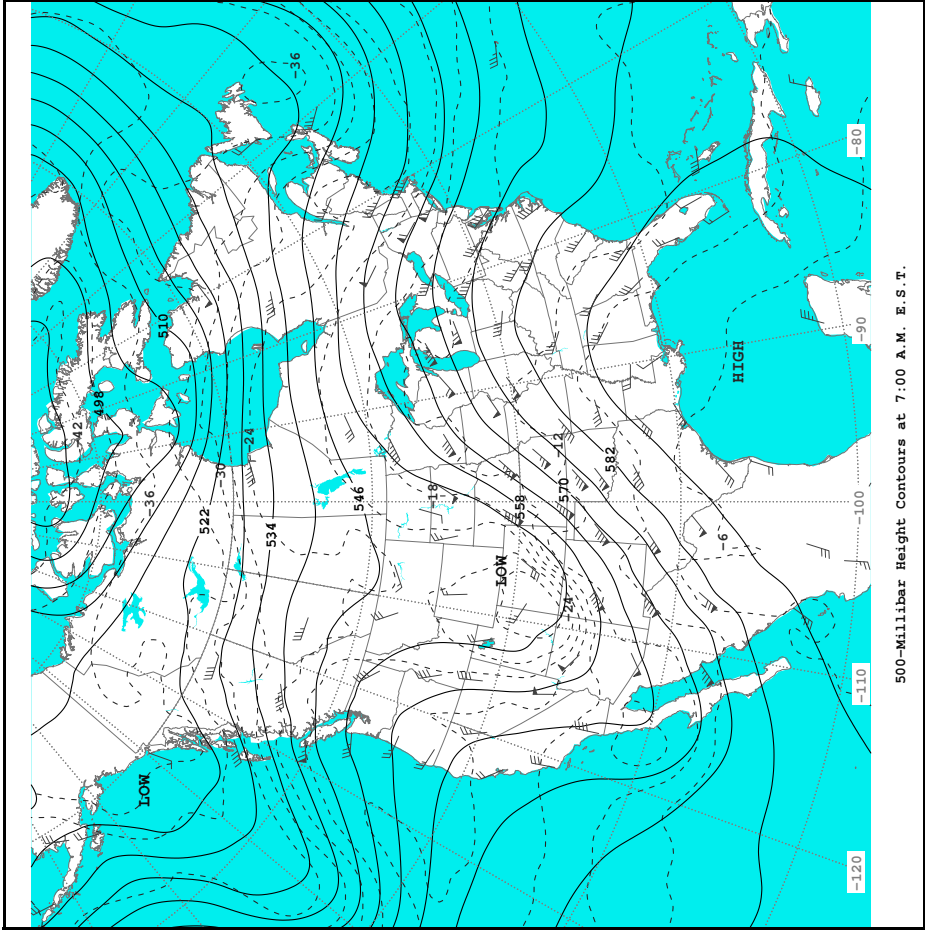
6 Hour Total Precipitation (in hundredths of an inch)

Station Model

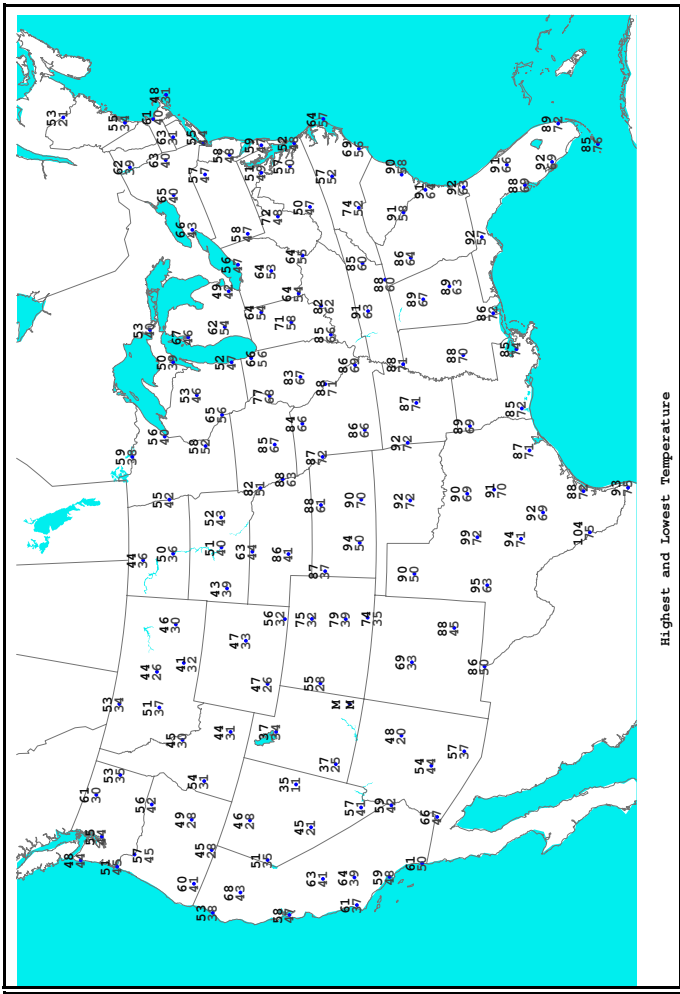
SATURDAY, APRIL 9, 2011



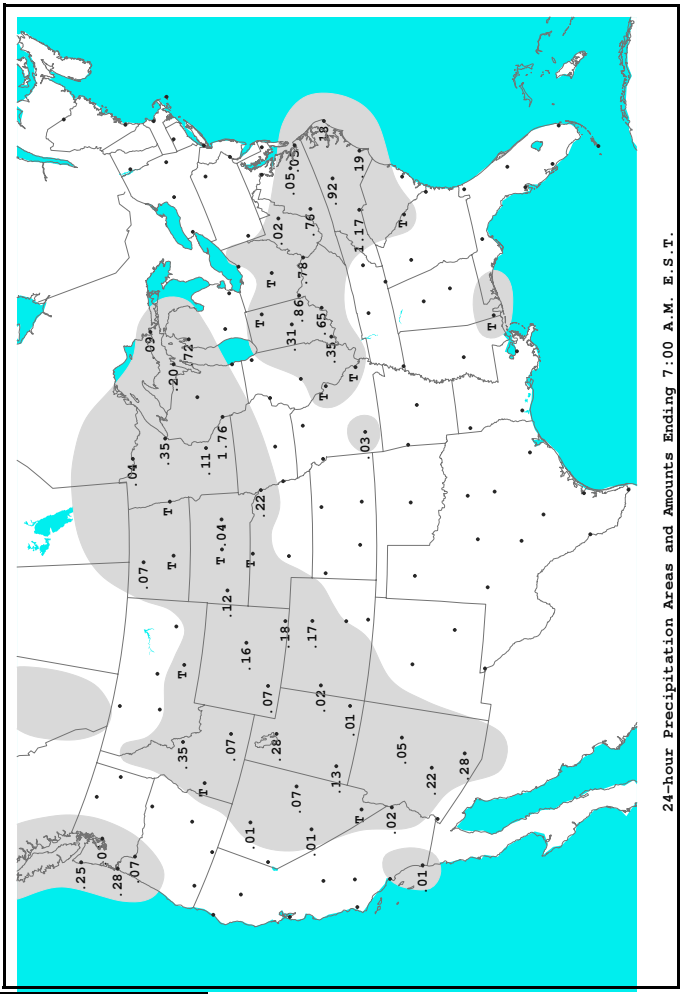
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

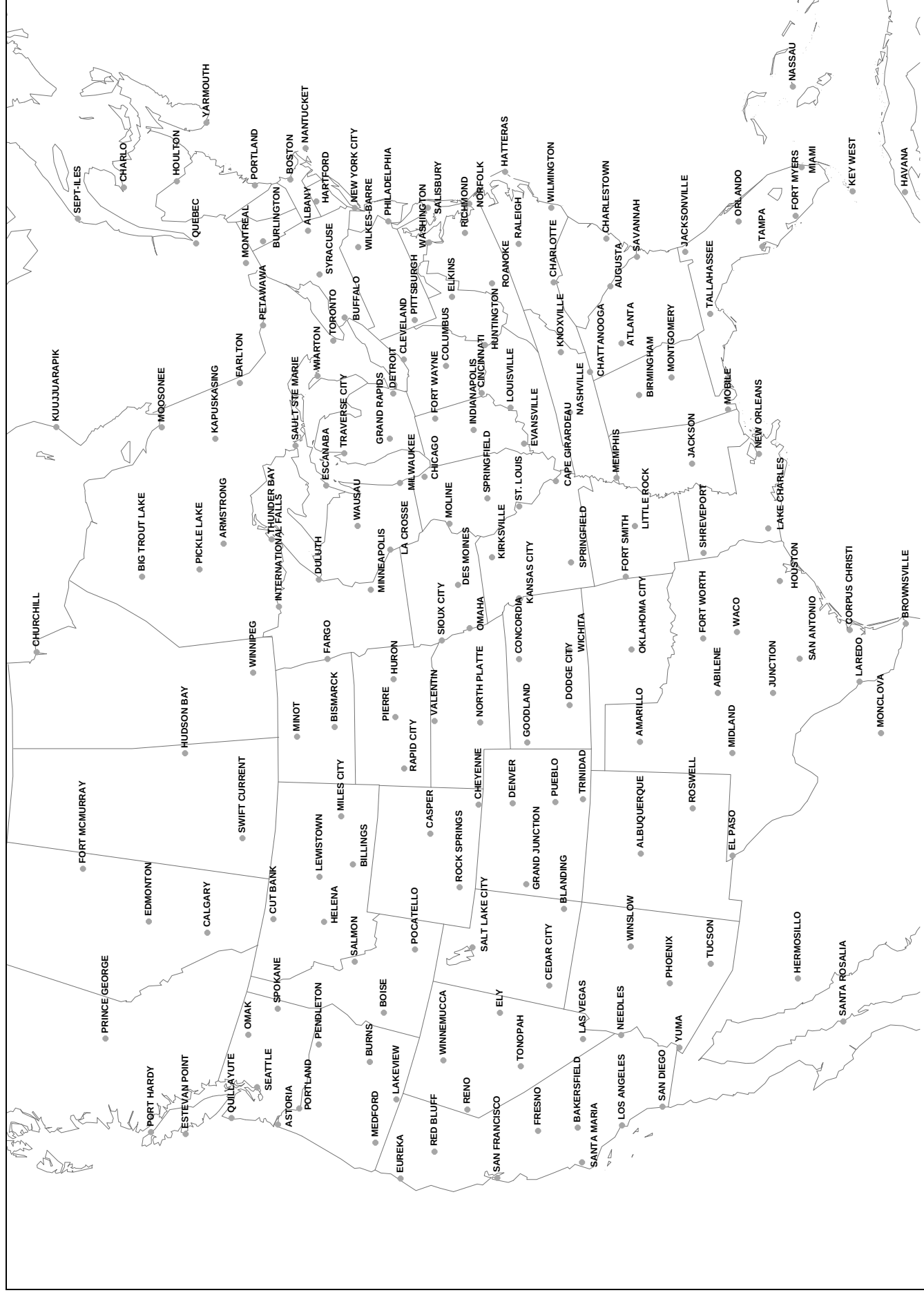
3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

6 Hour Total Precipitation (in hundredths of an inch)

Station Model

SUNDAY, APRIL 10, 2011



Daily Weather Map Station Names and Locations