



Daily Weather Maps

JANUARY 25, 2010 - JANUARY 31, 2010

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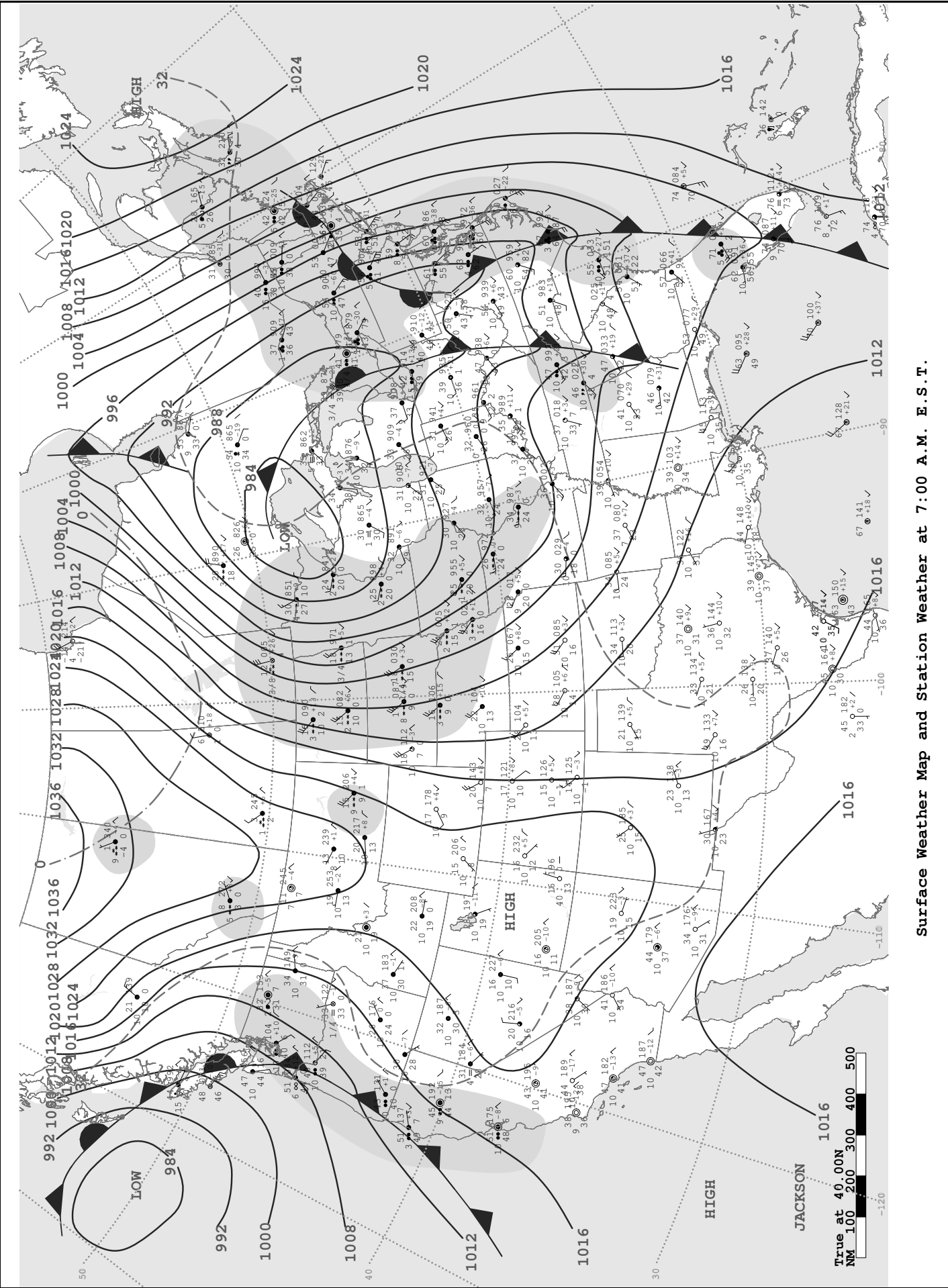
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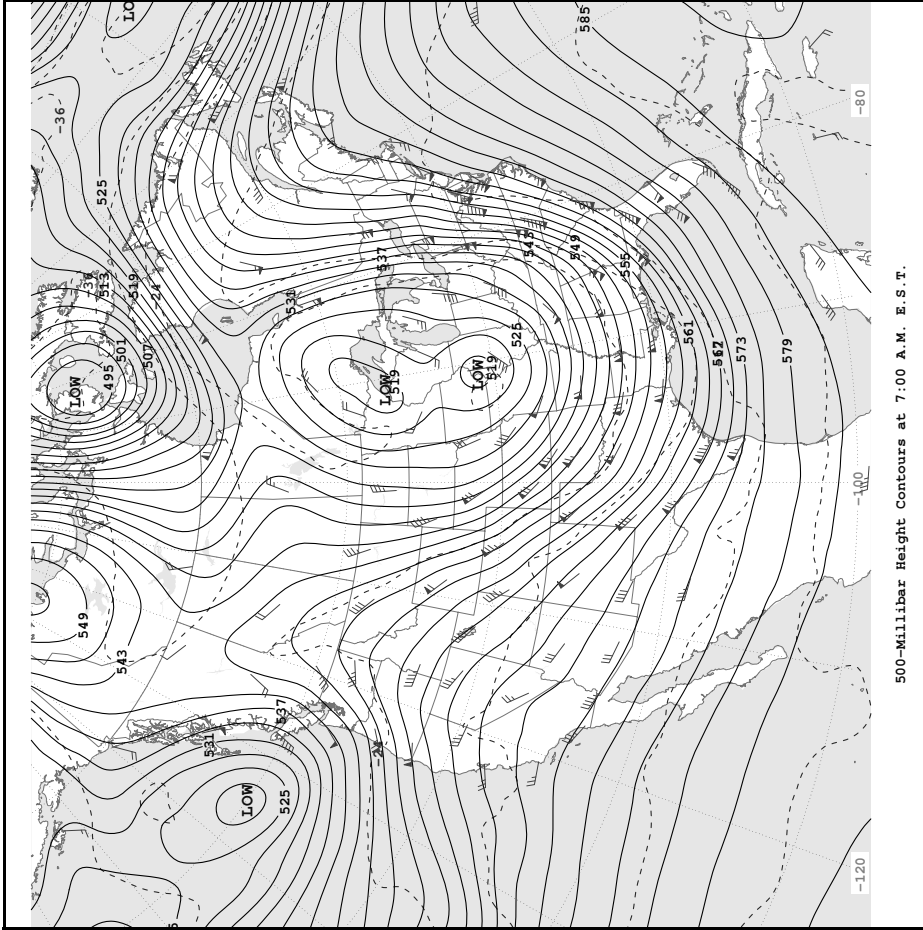
Correspondence to the meteorologists should be directed to: **Daily Weather Map, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.**

The *Daily Weather Map* is available online at www.hpc.ncep.noaa.gov/dwm/dwm.shtml.

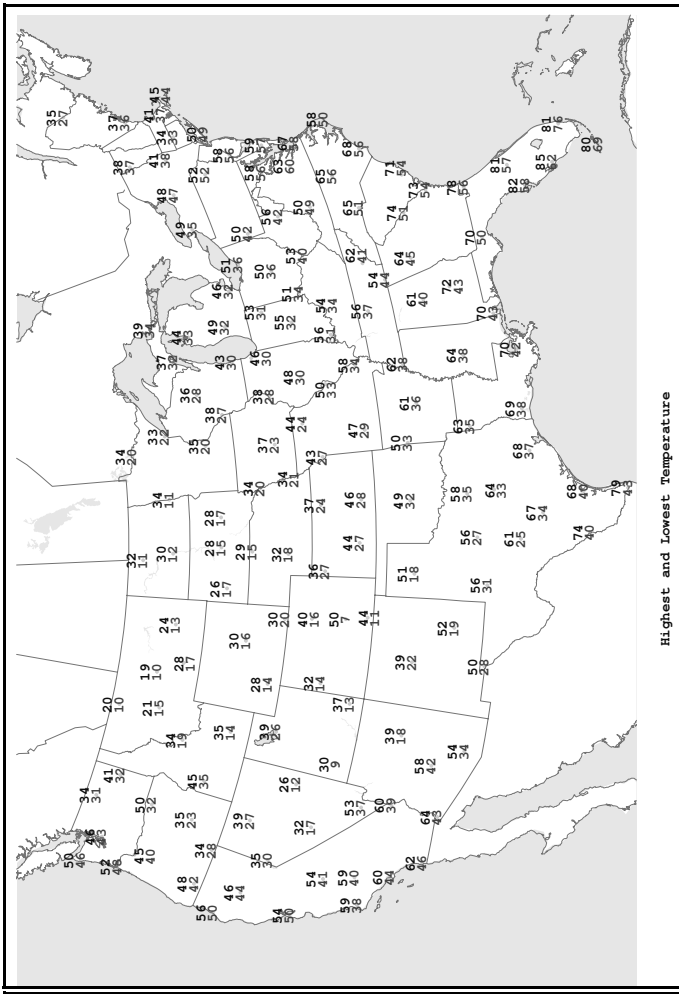
Current HPC products are available online at www.hpc.ncep.noaa.gov



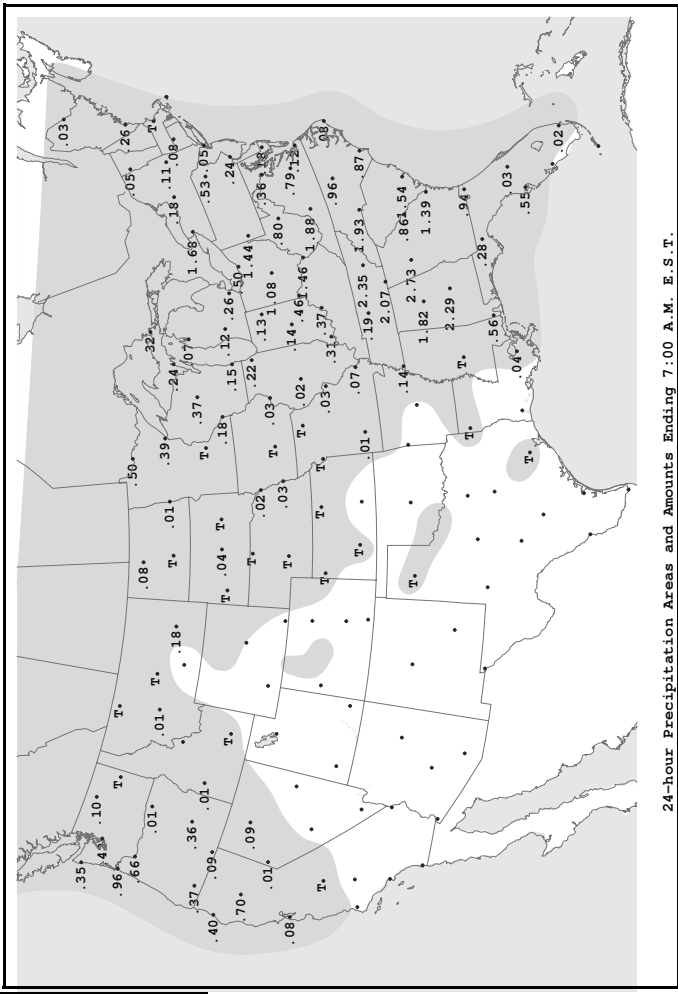
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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)

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)

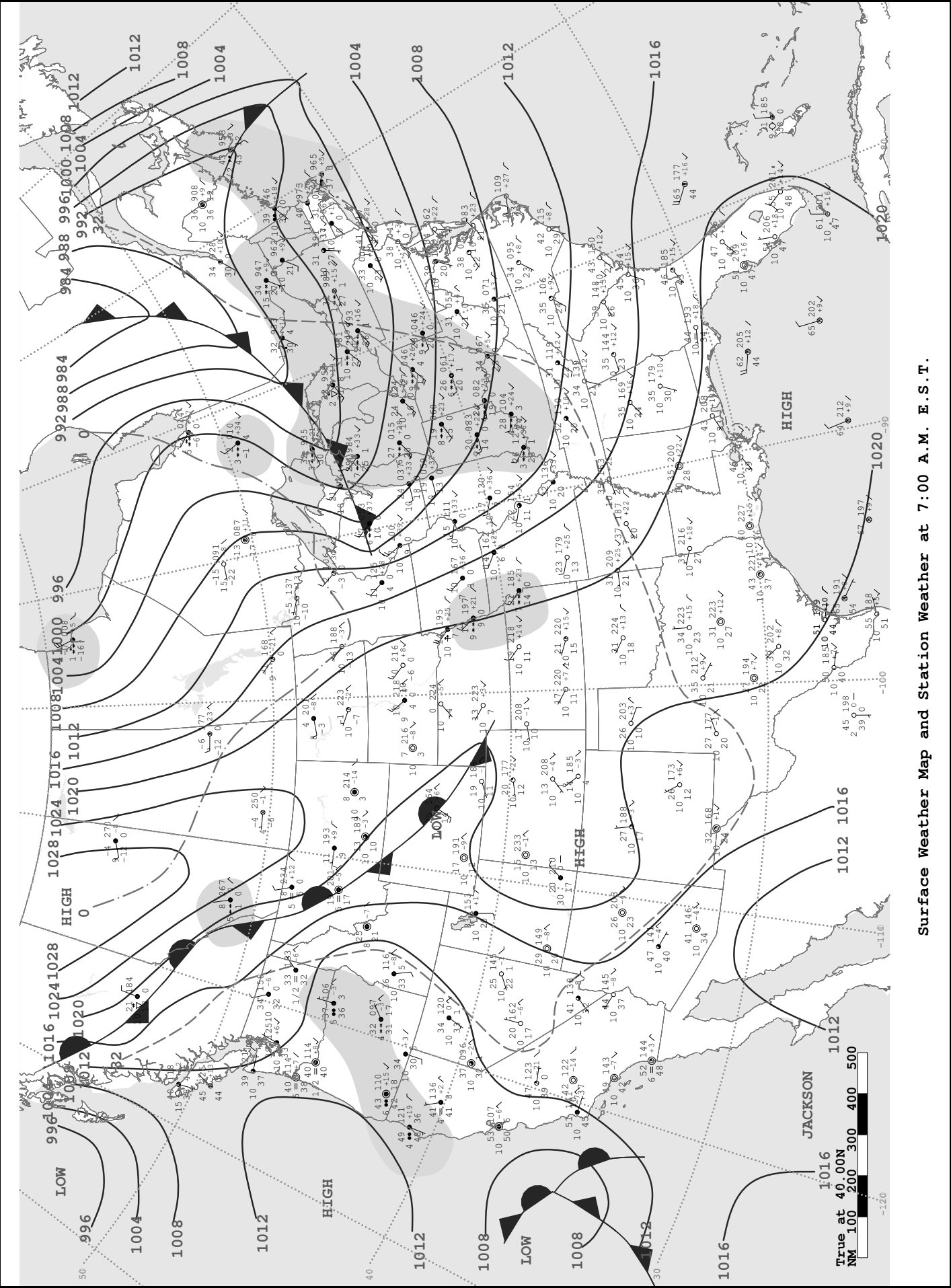
Present Weather Symbol

Dew Point Temperature

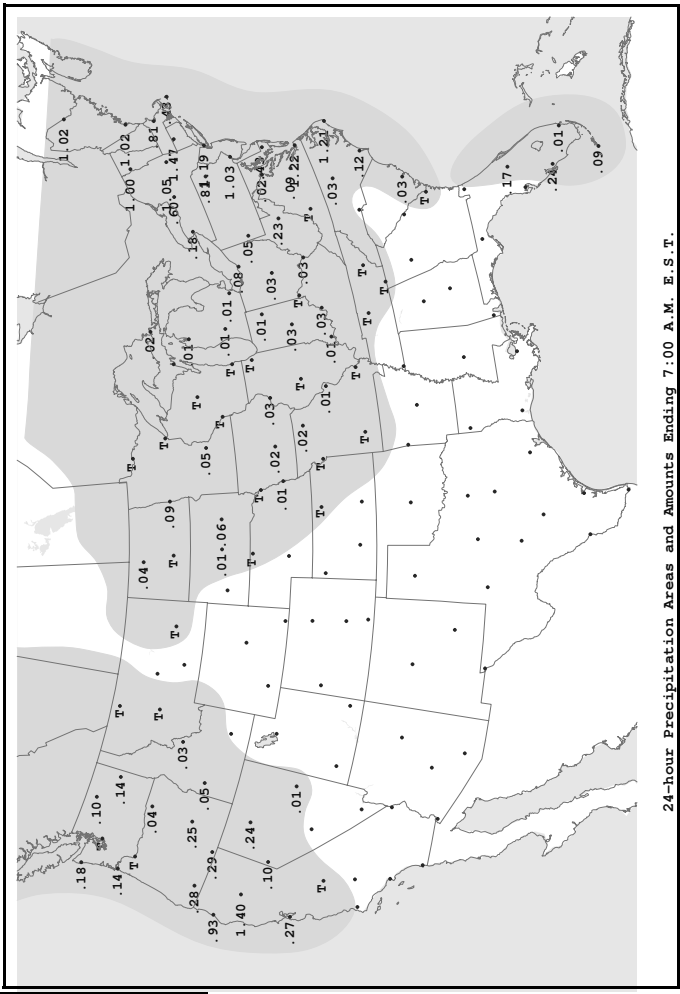
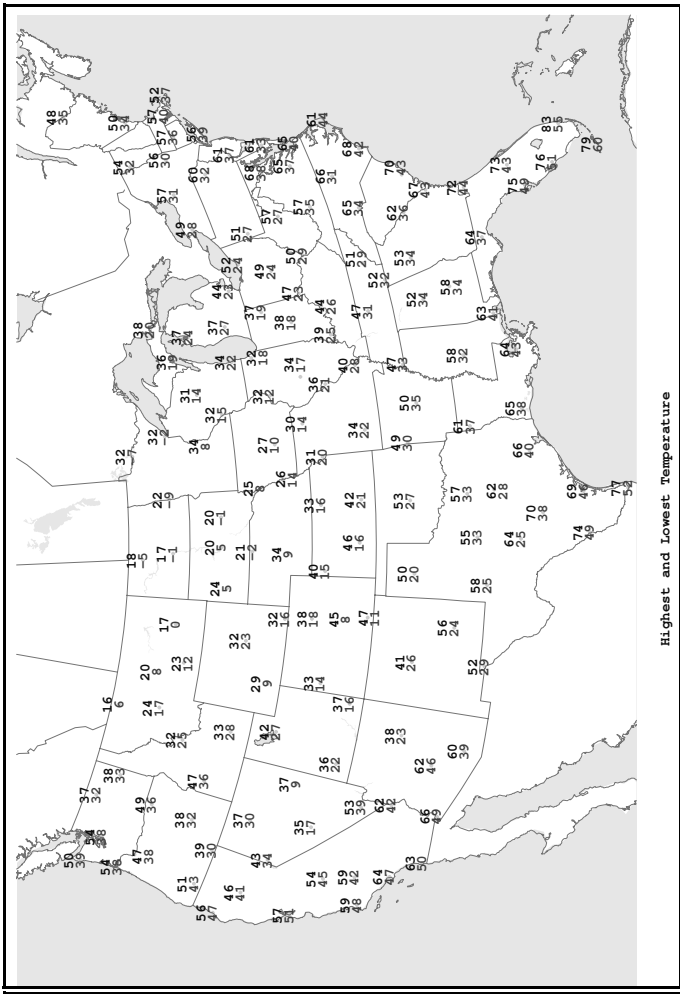
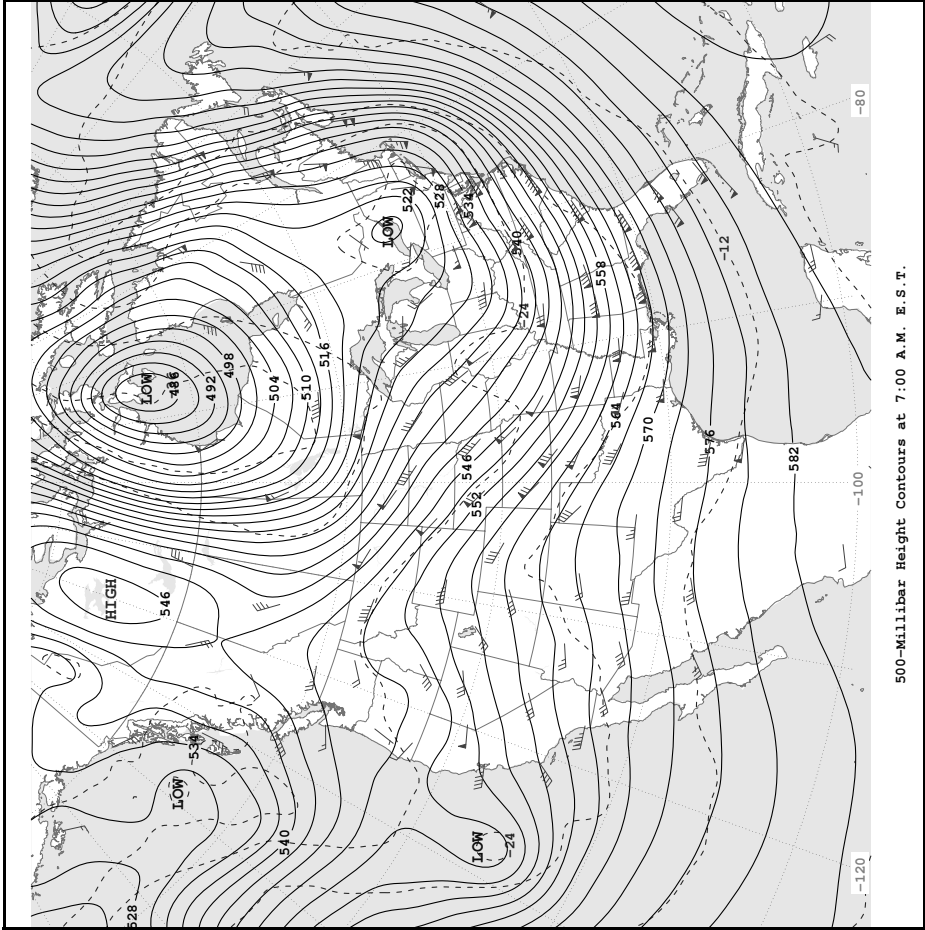
Sky Cover

Station Model

MONDAY, JANUARY 25, 2010



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

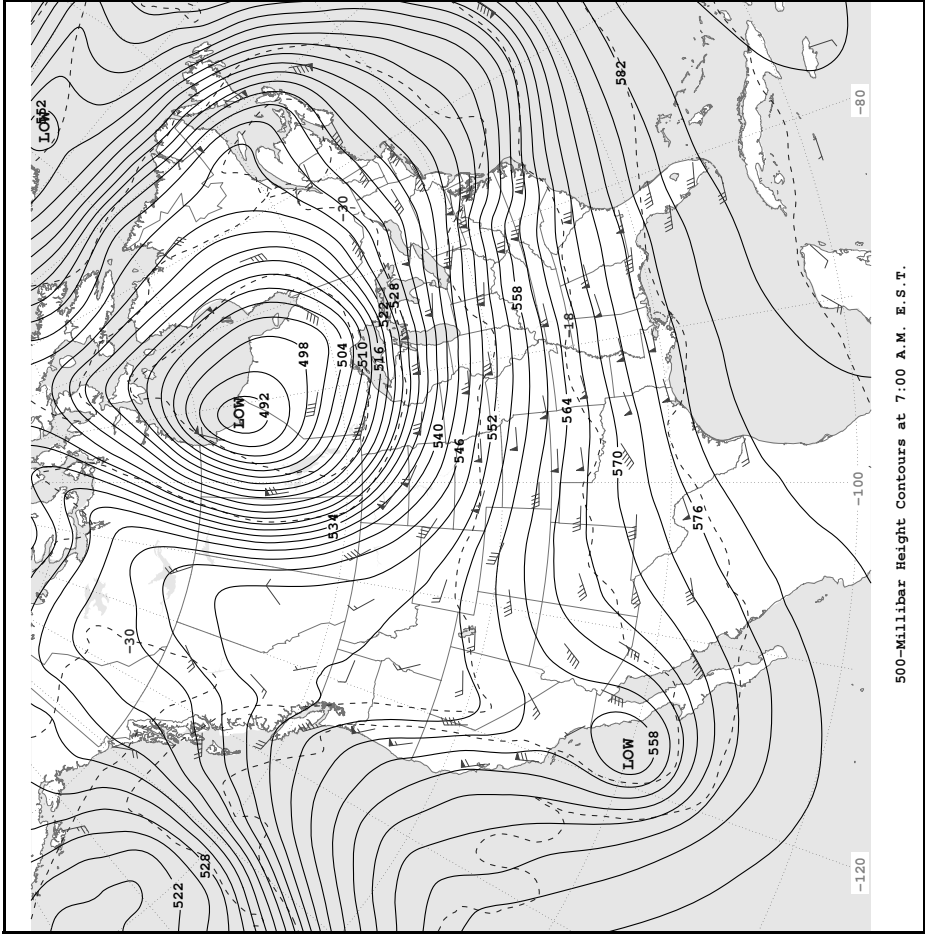
TUESDAY, JANUARY 26, 2010

This is a detailed surface weather map of the North Atlantic and surrounding regions, showing pressure systems, fronts, and station data at 7:00 A.M. E.S.T. The map includes a scale bar (0-500 NM) and a note 'True at 40.00N'.

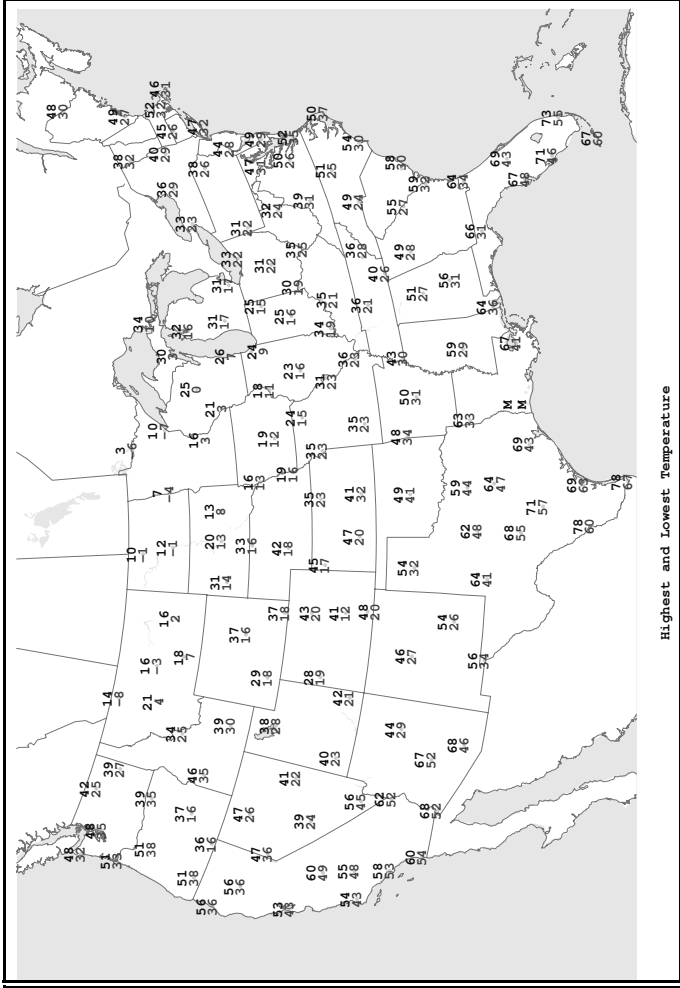
Key Features:

- Pressure Systems:** Several high-pressure (HIGH) and low-pressure (LOW) systems are depicted with their respective isobars. Notable systems include a high over the North Atlantic (around 45°N, 40°W) and a low over the Caribbean (around 15°N, 80°W).
- Fronts:** Various frontal boundaries are shown, including cold fronts (indicated by lines with triangles) and warm fronts (indicated by lines with semicircles).
- Station Data:** Numerous weather stations are marked with their coordinates and data, including temperature, wind speed/direction, and cloud cover. Examples include stations at 40°N, 10°W and 20°N, 80°W.
- Geographical Labels:** Key locations like JACKSON and the Gulf of Mexico are labeled.
- Scale and Orientation:** A scale bar indicates distances up to 500 NM. A note 'True at 40.00N' is present in the bottom right corner.

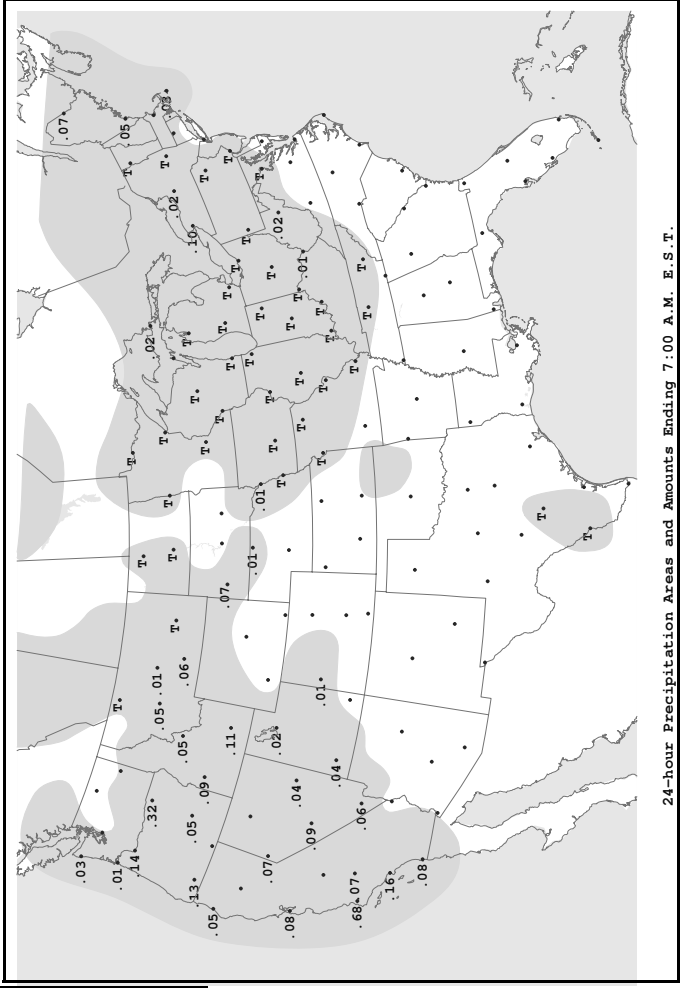
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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

ff

dd

TT

V

WW

TD

RR

Sky Cover

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

3-Digit Surface Pressure (in tenths) Ex:

989 = 998.9mb,

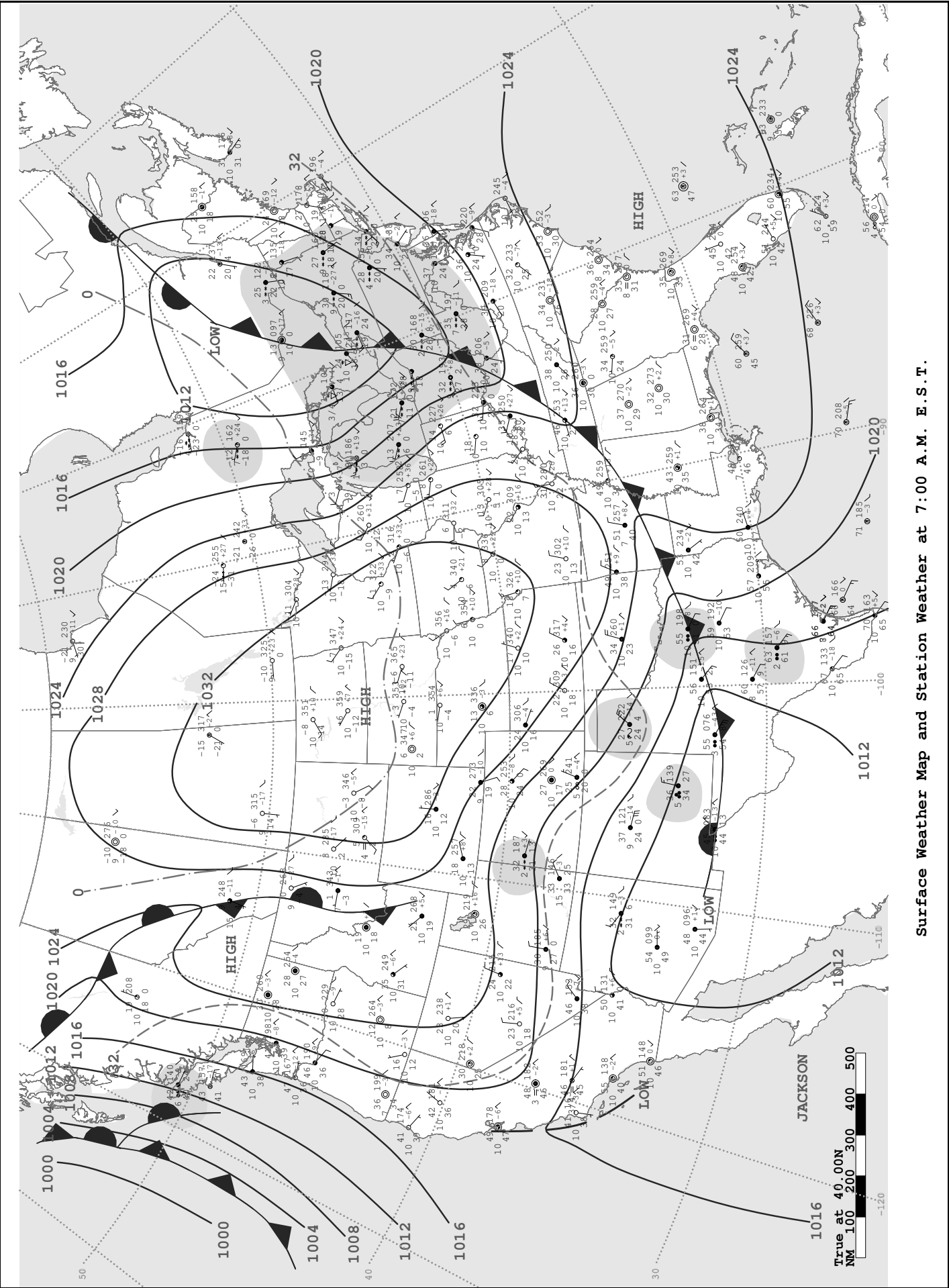
012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

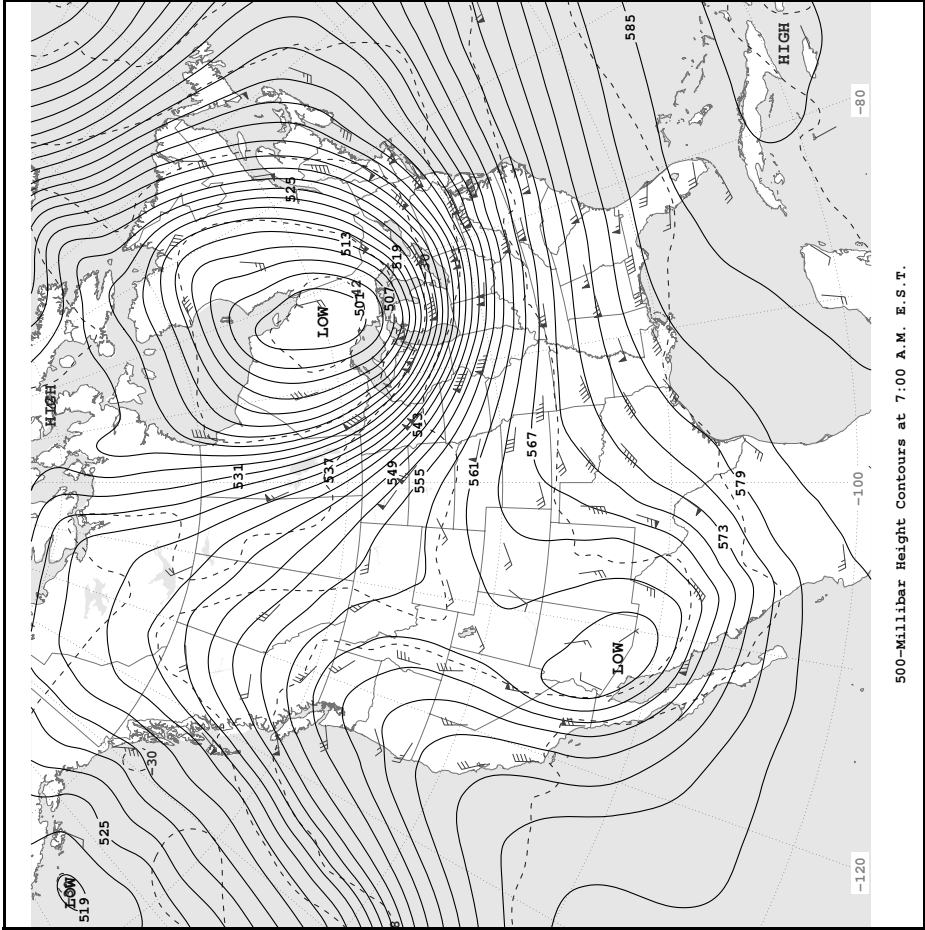
6 Hour Total Precipitation (in hundredths of an inch)

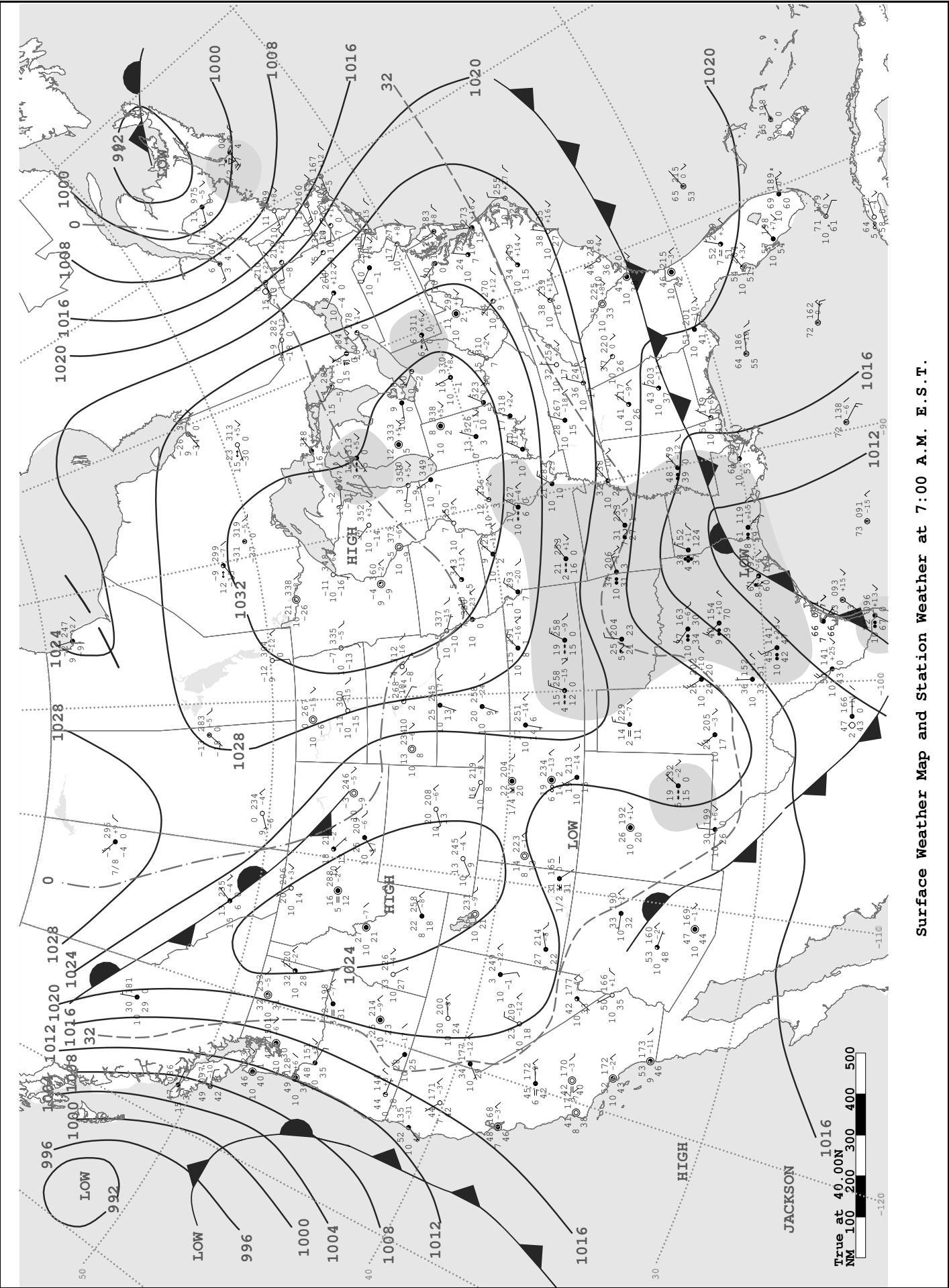
Station Model

WEDNESDAY, JANUARY 27, 2010

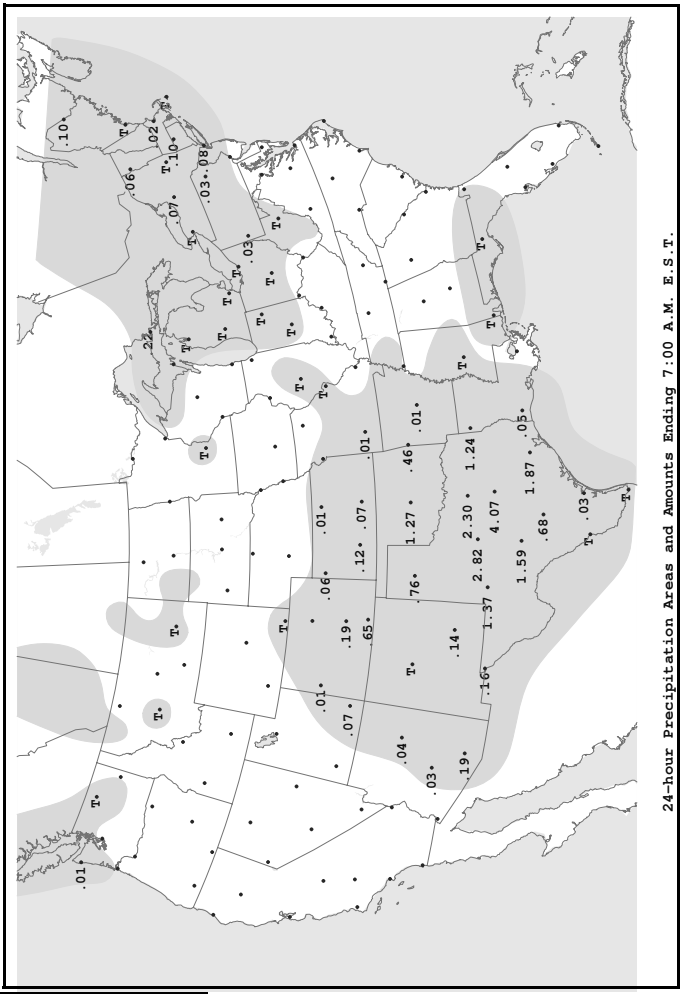
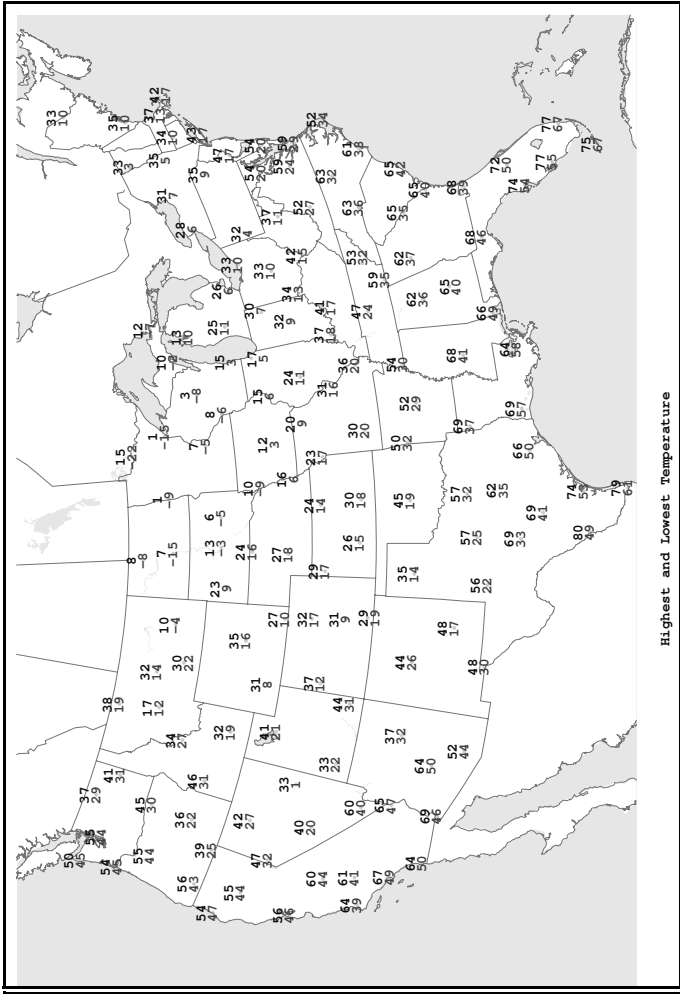
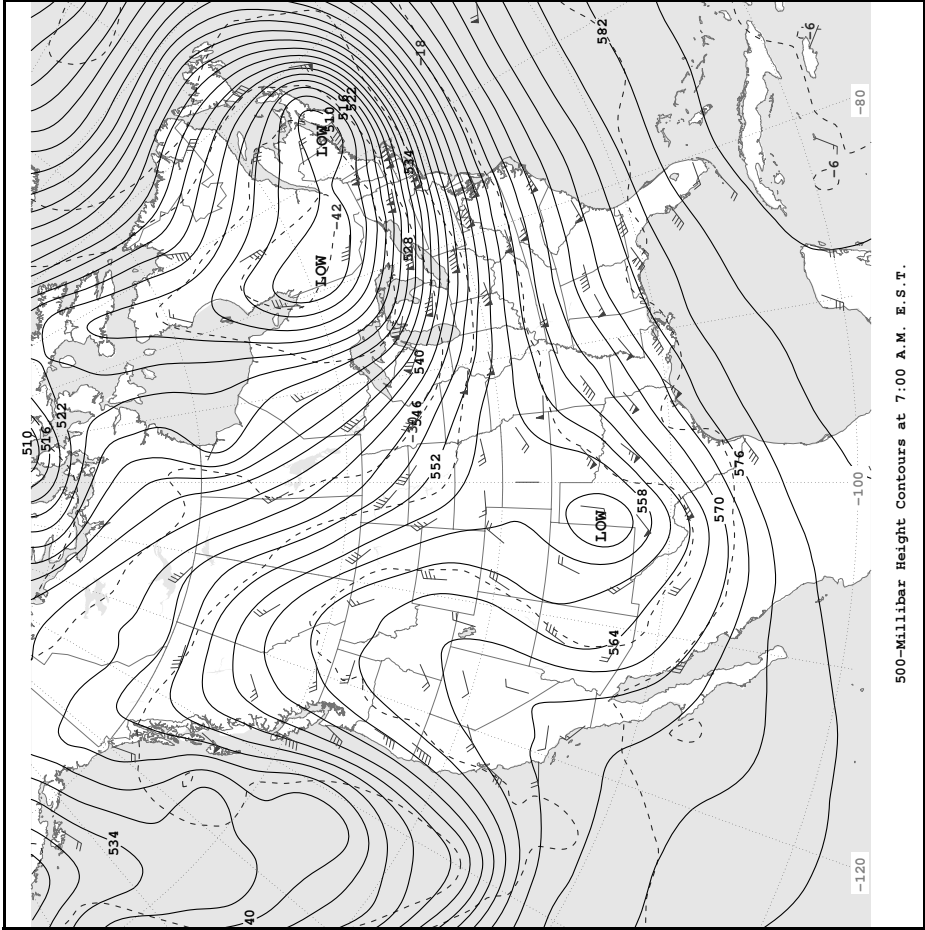


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.





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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

ff

TT

V

WW

TD

RR

Sky Cover

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

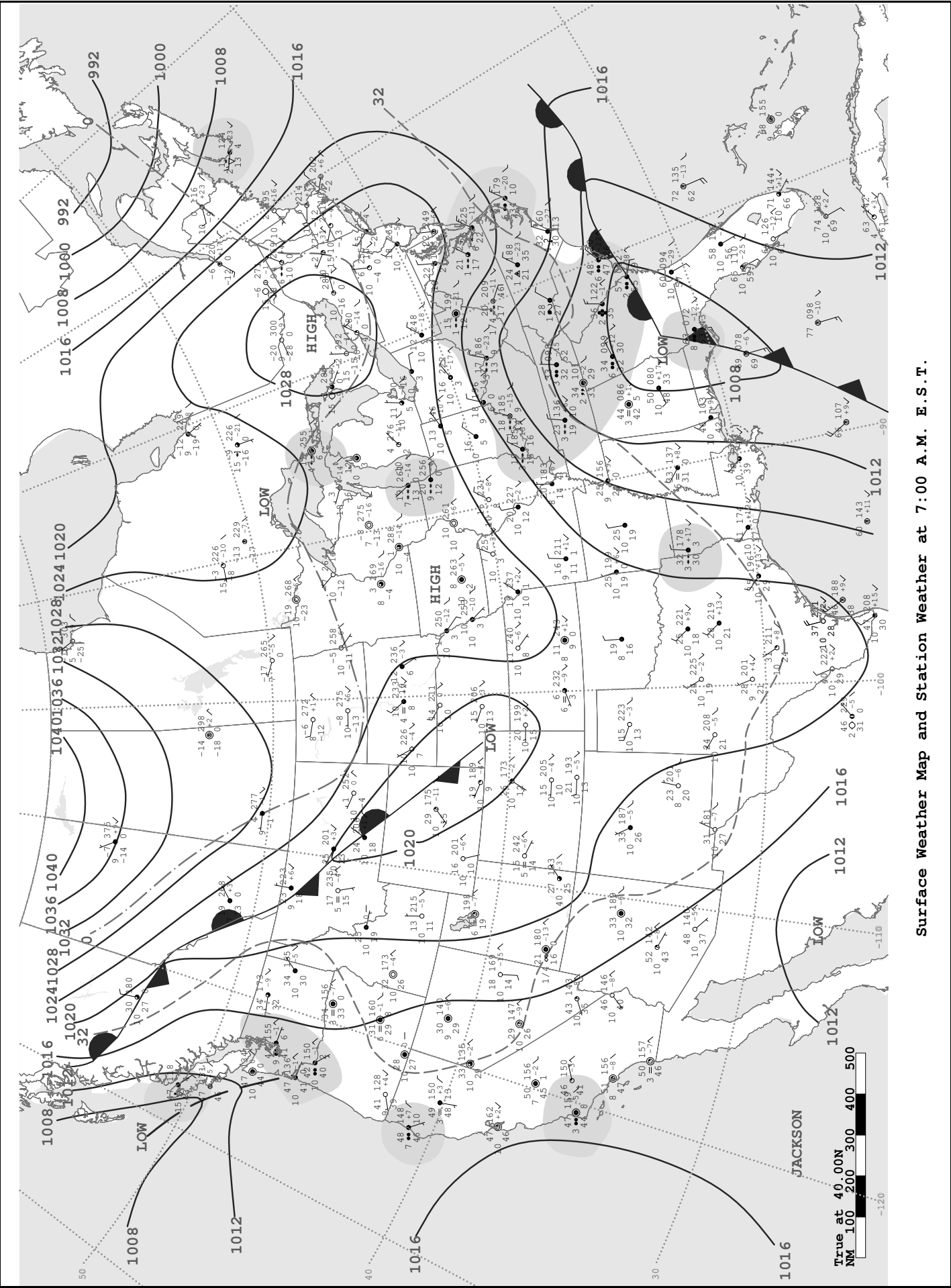
3-Digit Surface Pressure (in tenths) Ex:
999 = 998.9mb,
012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

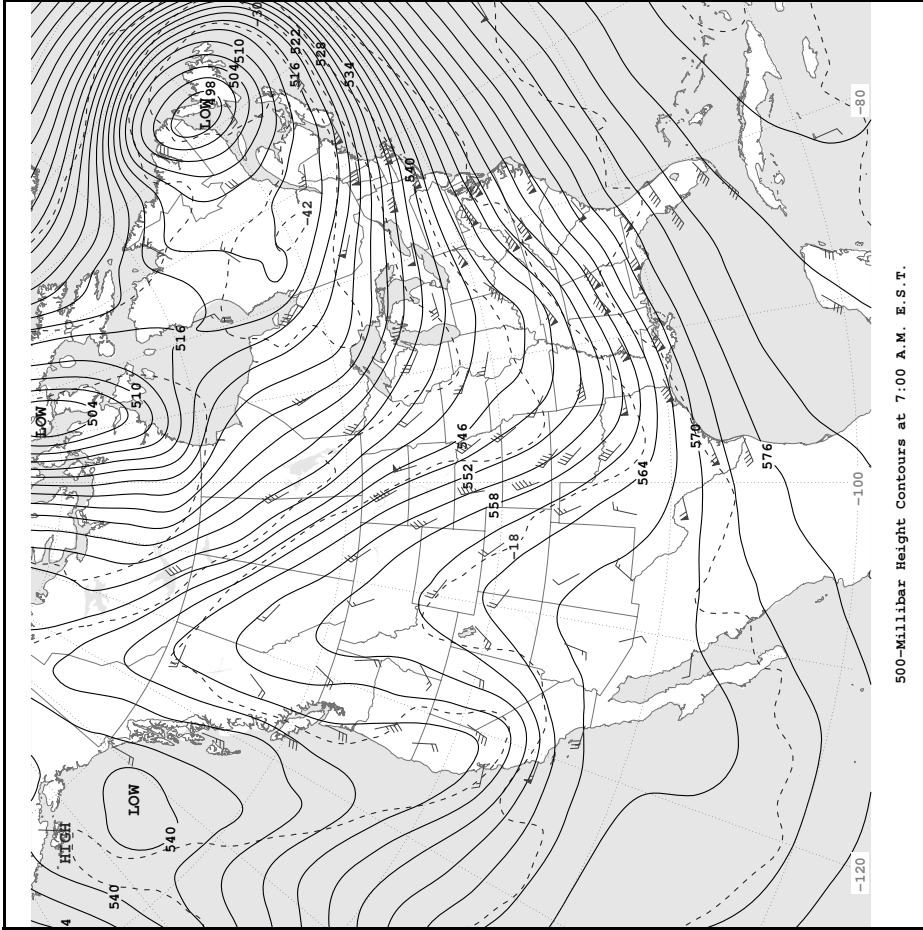
6 Hour Total Precipitation (in hundredths of an inch)

Station Model

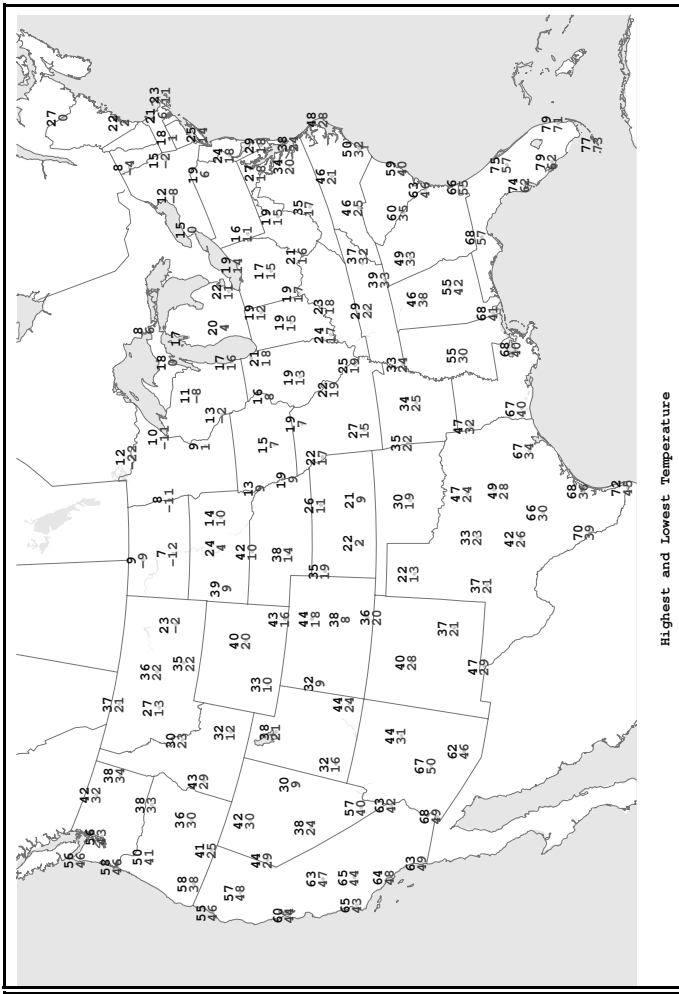
FRIDAY, JANUARY 29, 2010



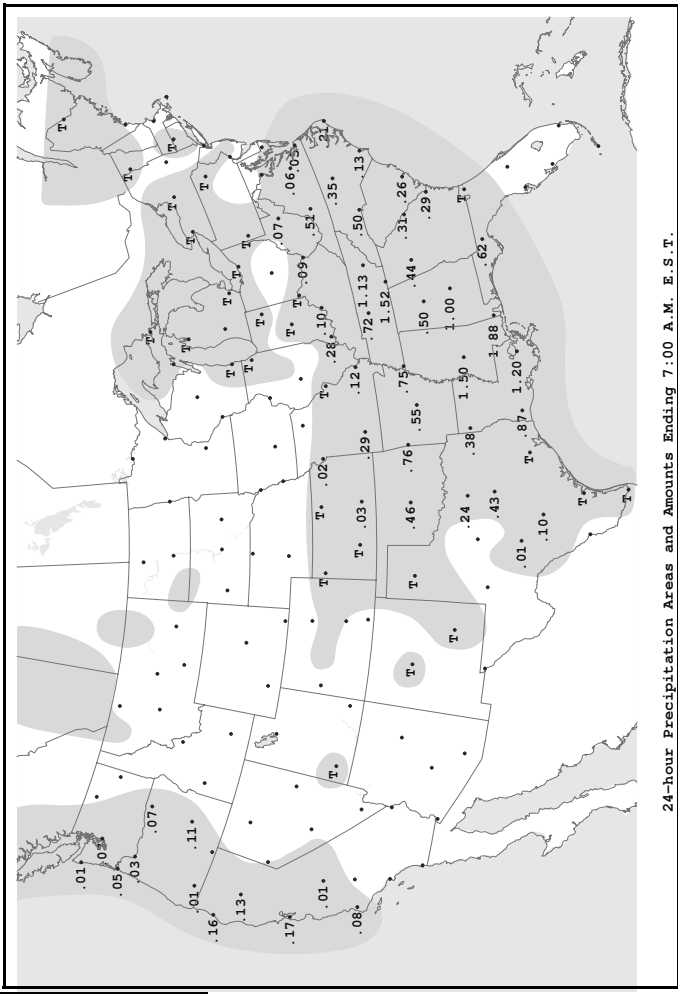
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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:

999 = 998.9mb,

012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

6 Hour Total Precipitation (in hundredths of an inch)

Sky Cover

ff

dd

TT

V

WW

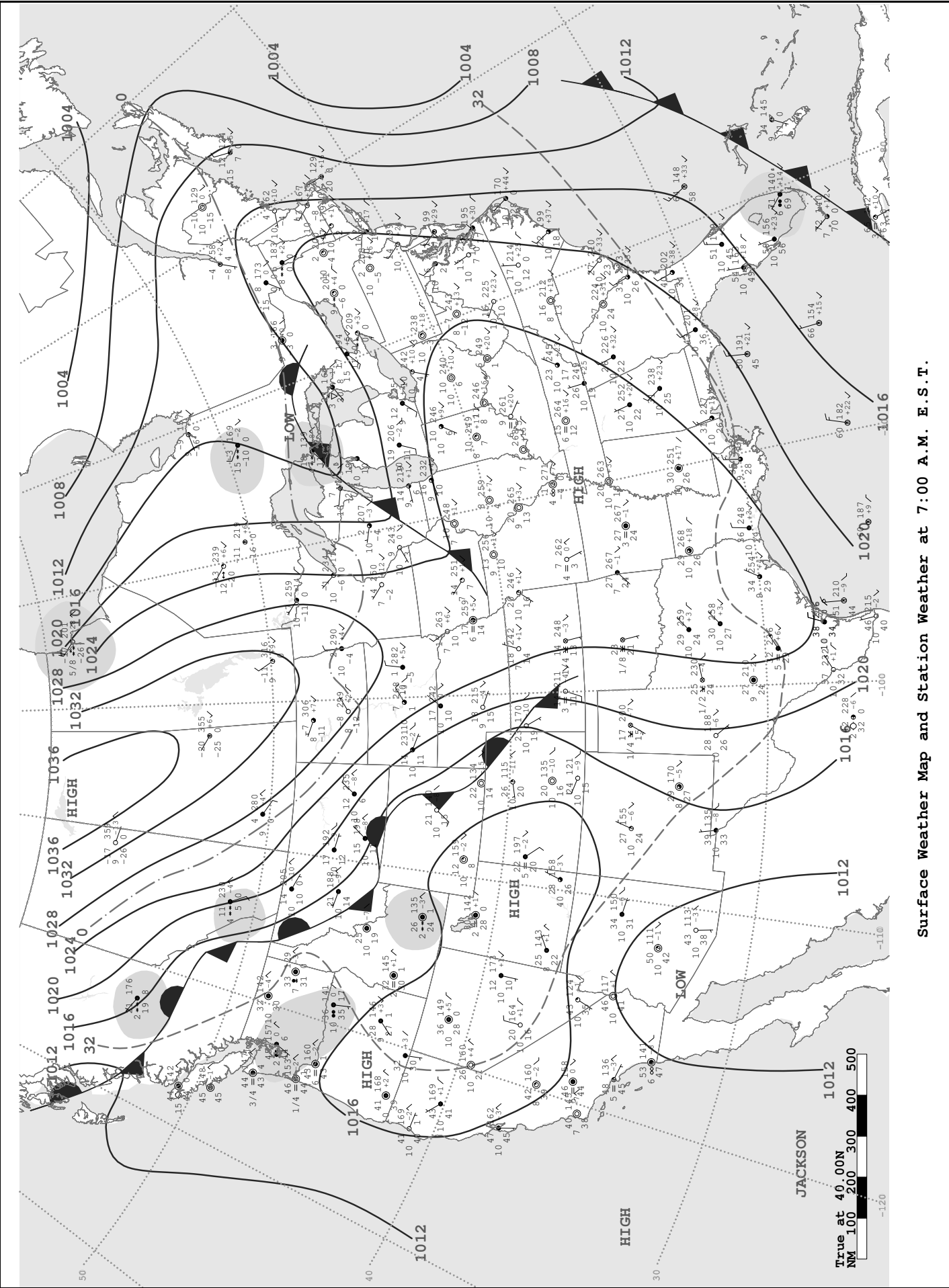
PP

PP a

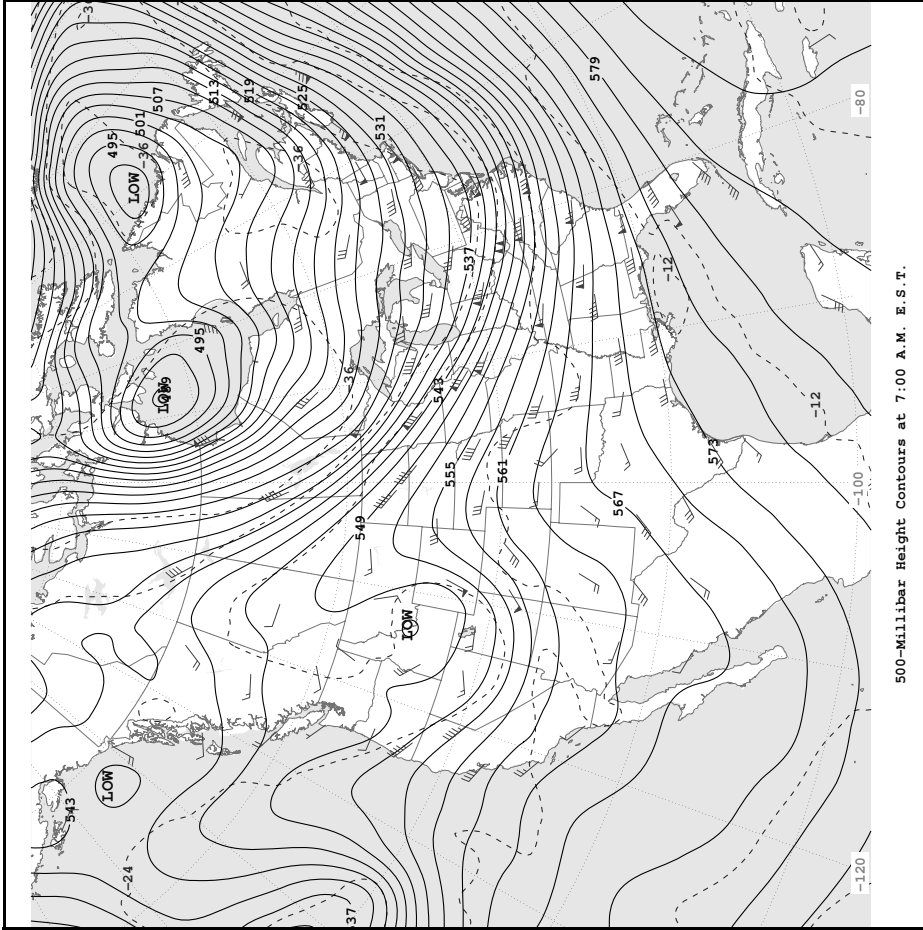
RR

Station Model

SATURDAY, JANUARY 30, 2010



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



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