**National Oceanic and Atmospheric Administration • National Weather Service**
**National Centers for Environmental Prediction • Hydrometeorological Prediction Center**

# Daily Weather Maps

## APRIL 16, 2012 - APRIL 22, 2012

**Week 16**

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.

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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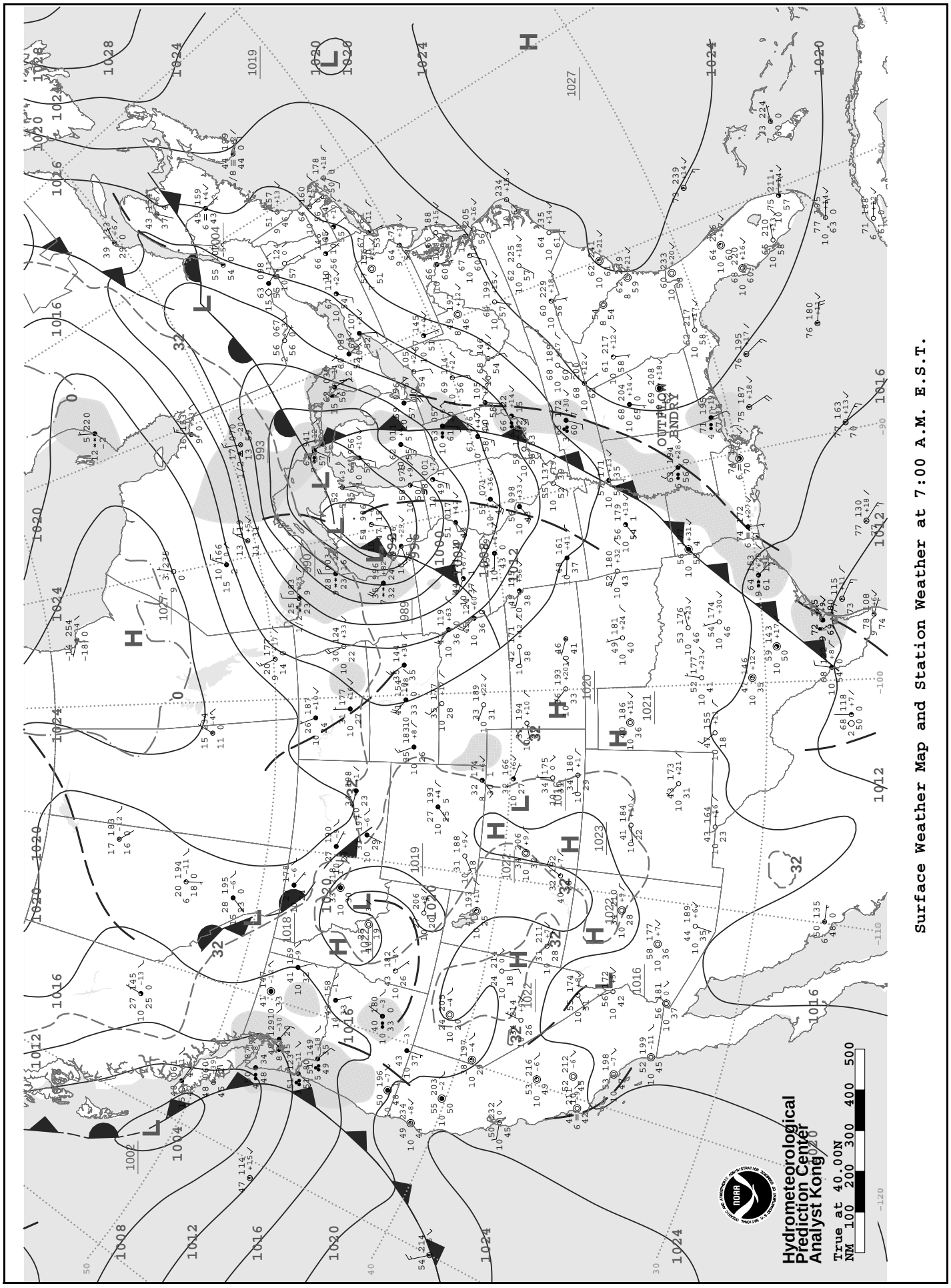
Send address changes to: **NCDC Subscription Services Center, 310 State Route 956, Building 300, Rocket Center, WV 26726**; call toll free: (866) 742-3322; TDD: (828) 271-4010; fax: (304) 726-4409; or E-mail: noaasubsvcs@imcwv.com

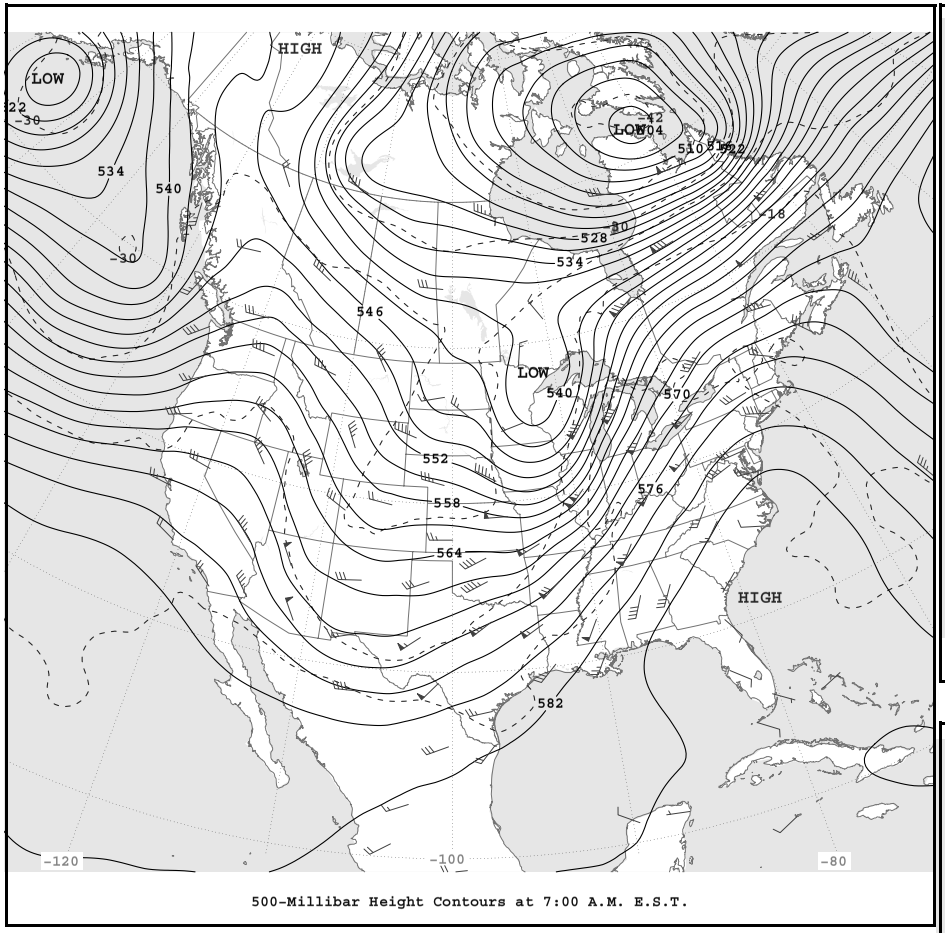
Correspondence to the meteorologists should be directed to: ***Daily Weather Map*, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.**

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

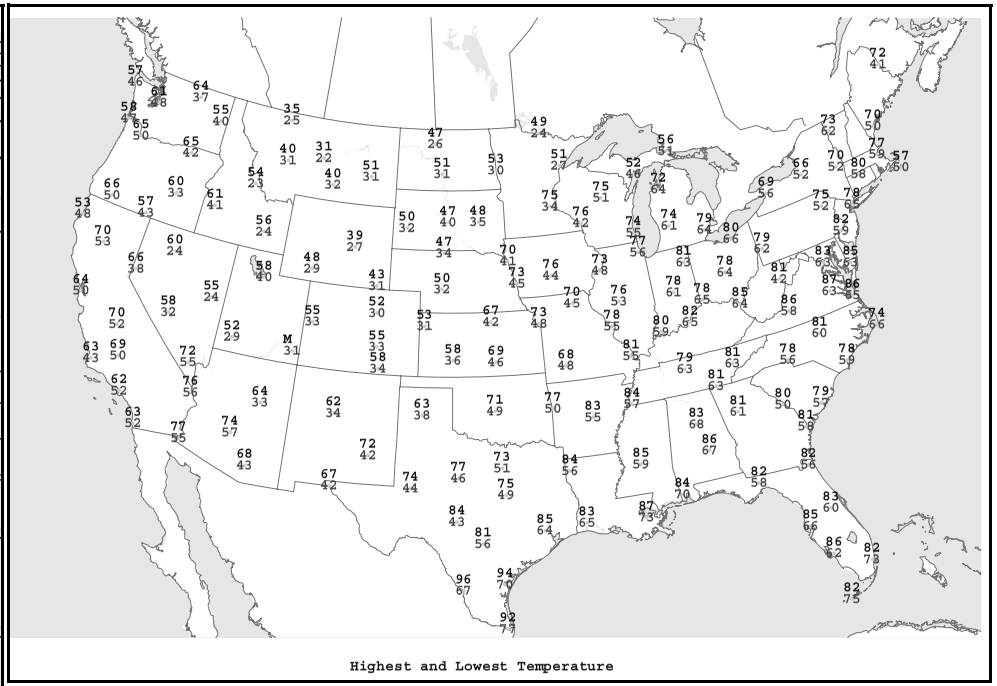
Current HPC products are available online at www.hpc.ncep.noaa.gov

**MONDAY, APRIL 16, 2012**

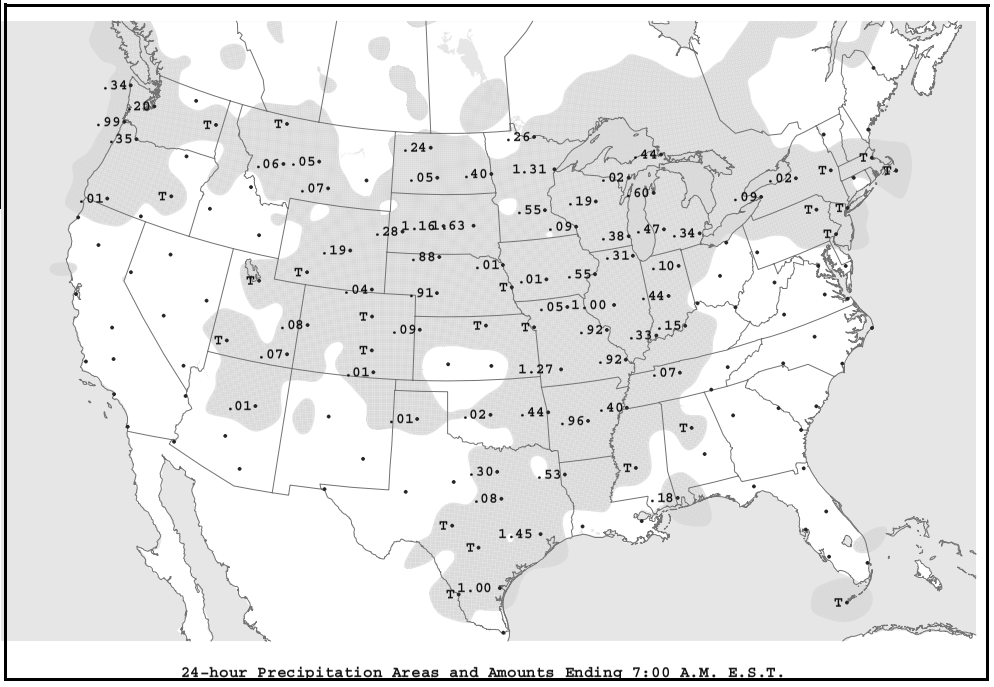




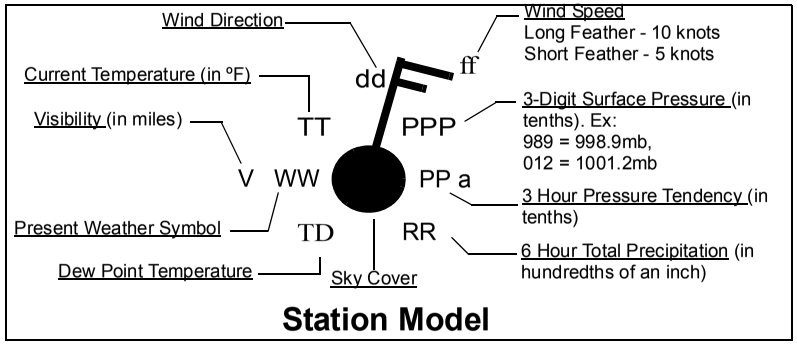

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature



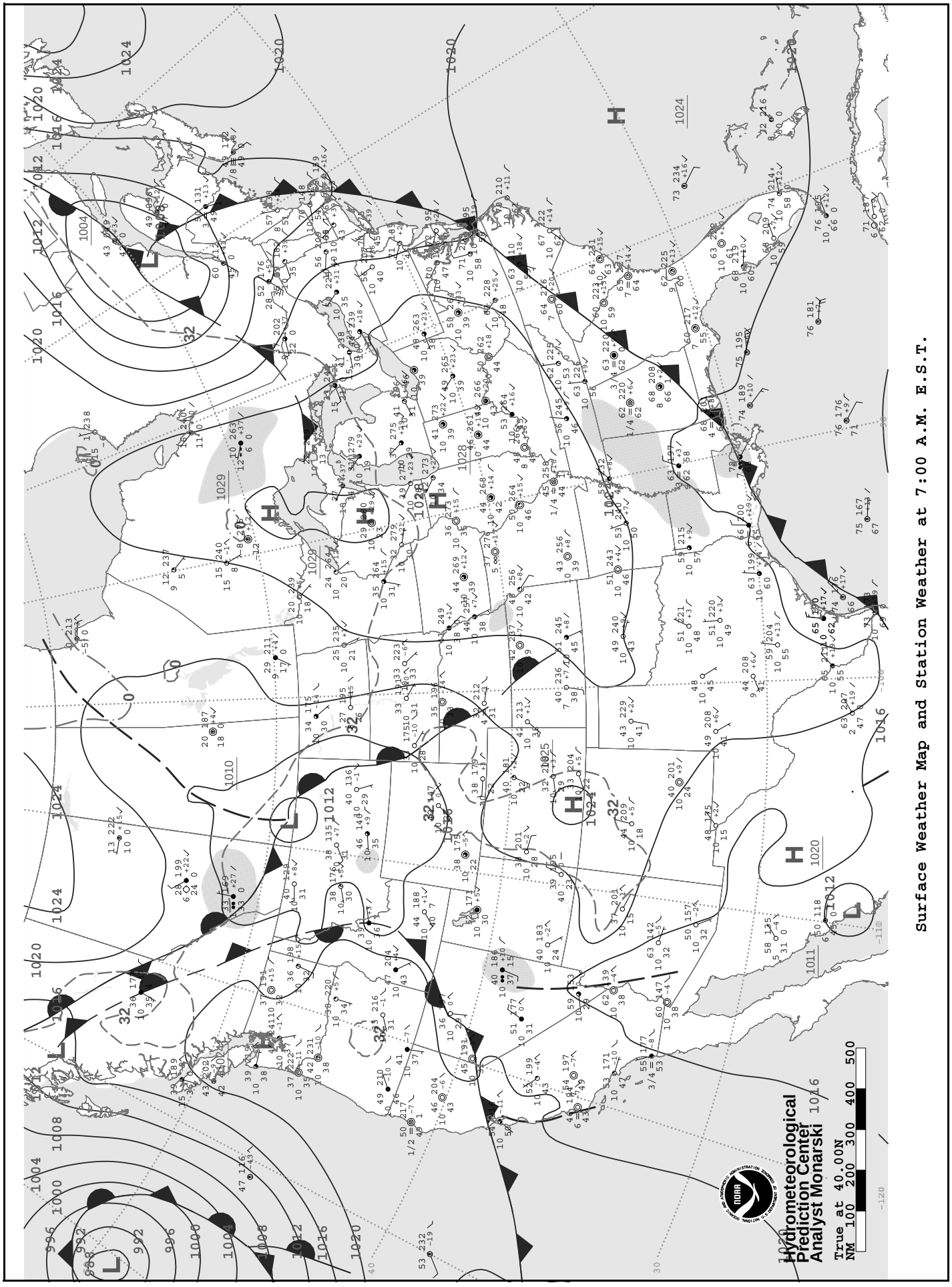
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

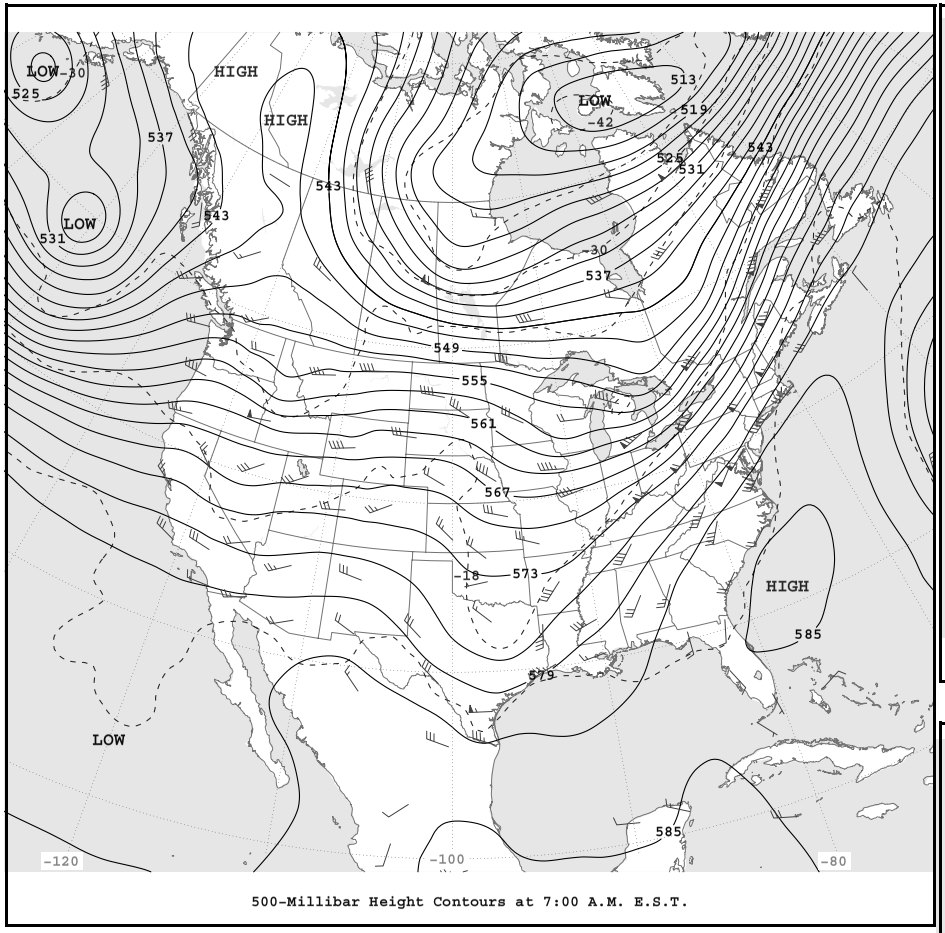



**Station Model**

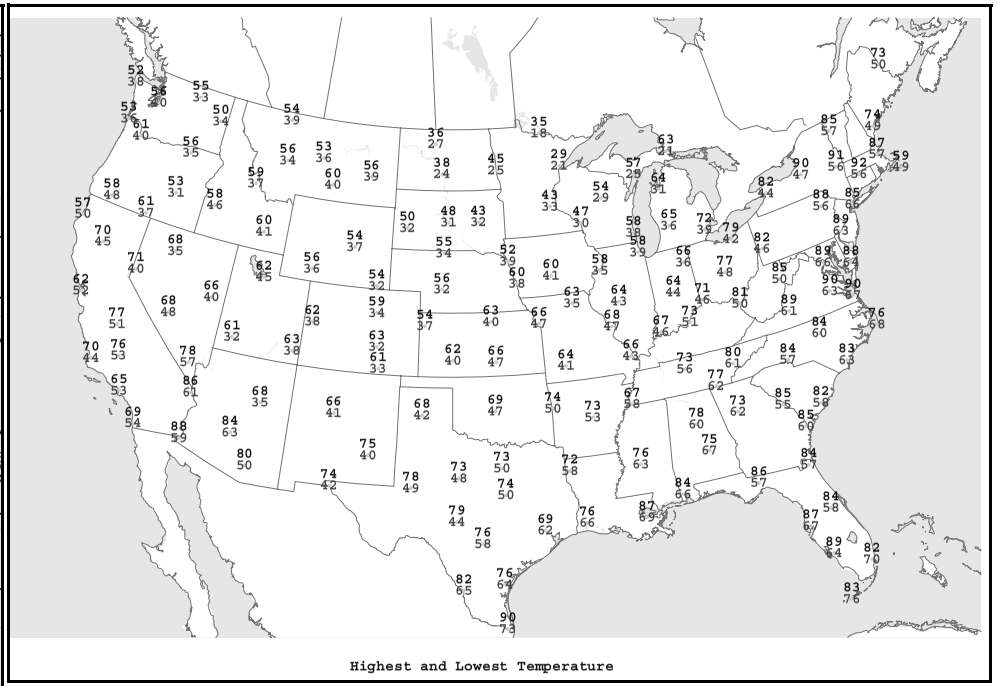
# MONDAY, APRIL 16, 2012

**TUESDAY, APRIL 17, 2012**

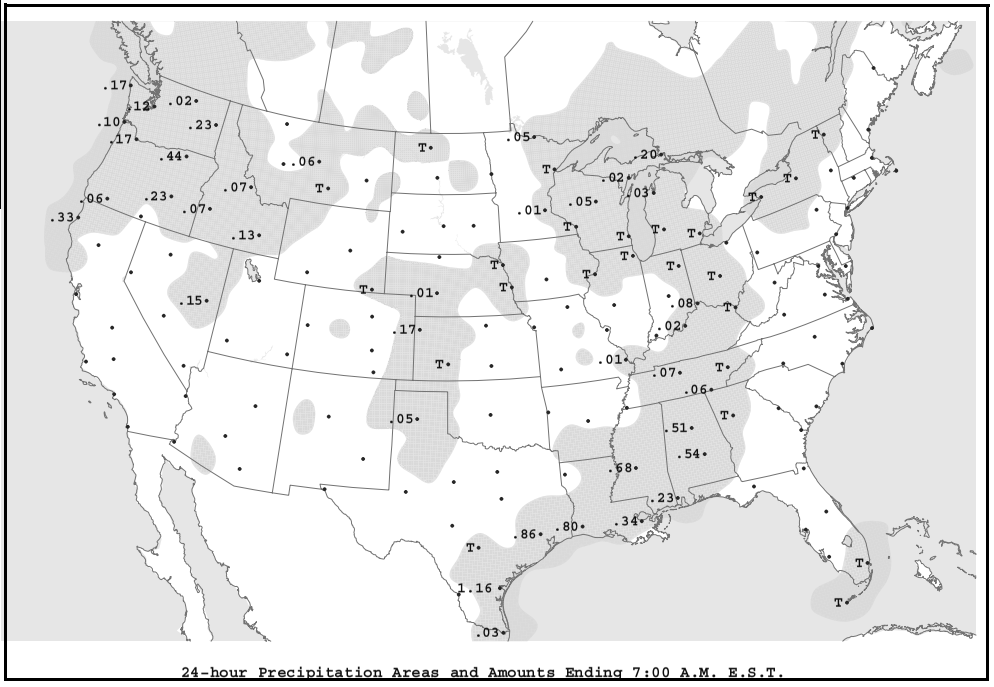




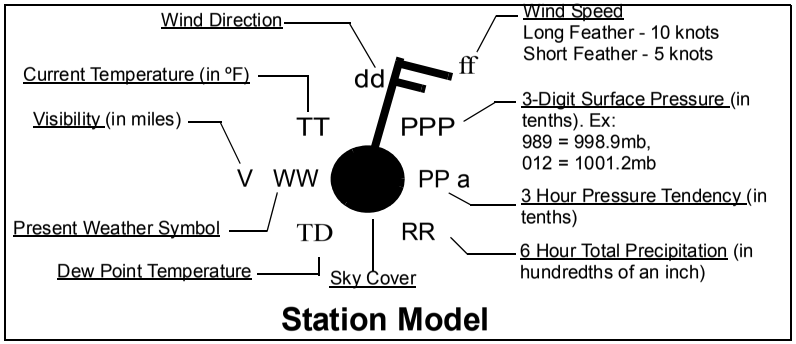

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

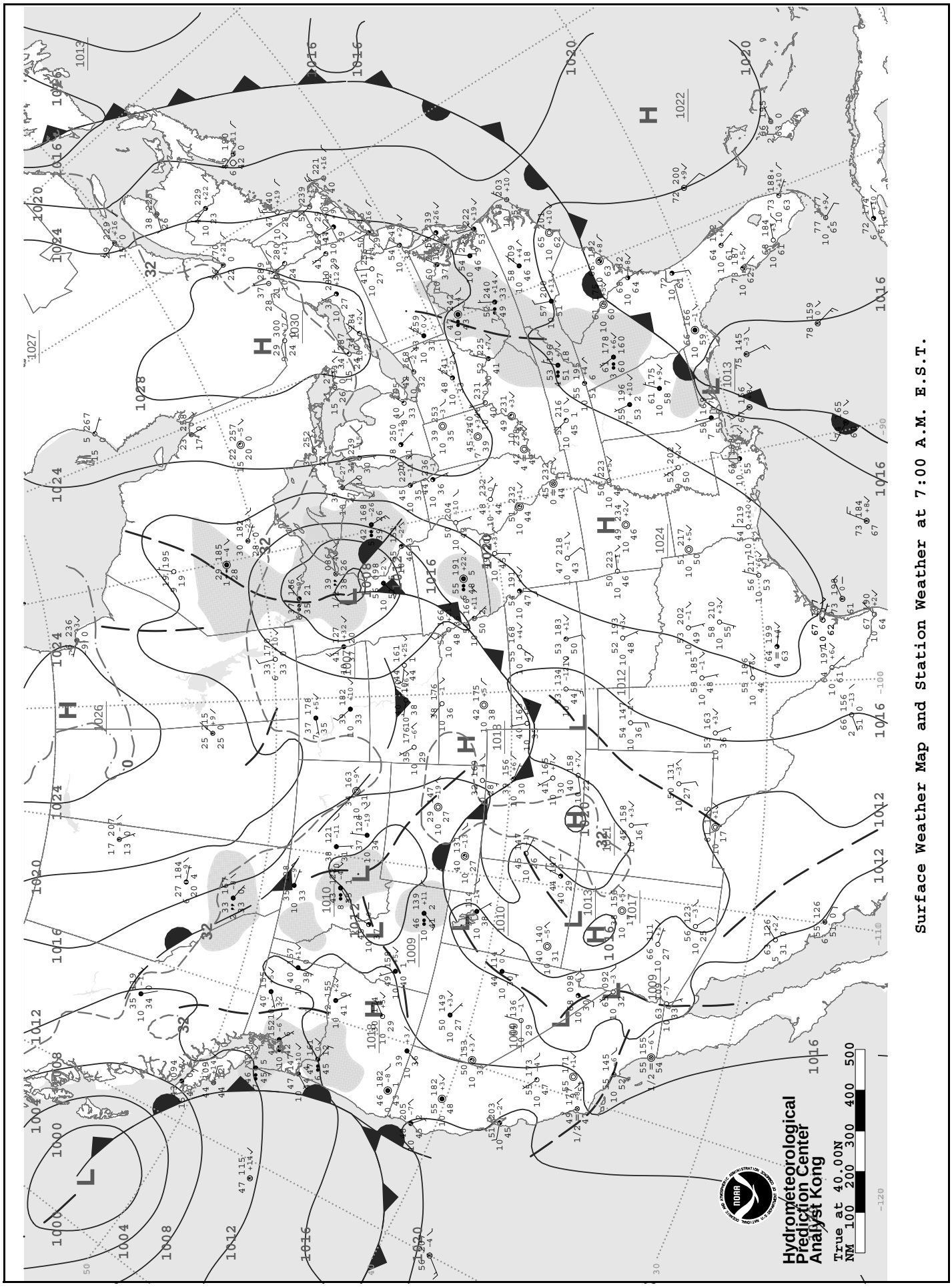


24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

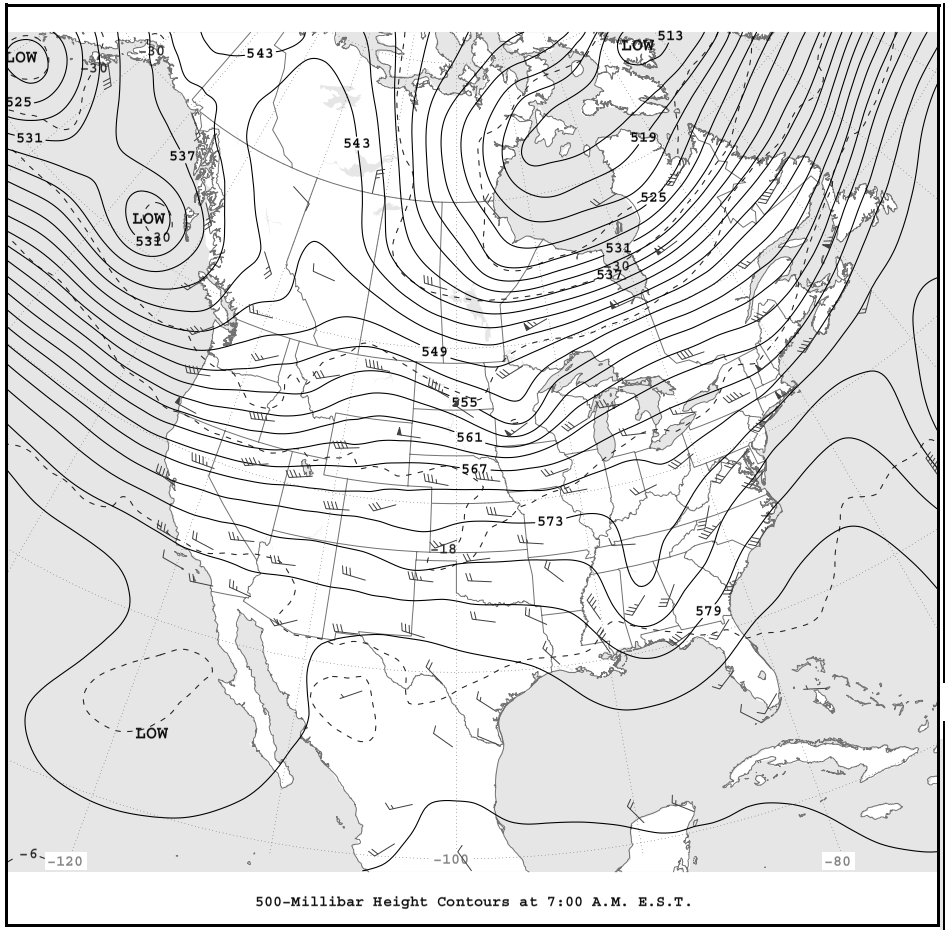



# TUESDAY, APRIL 17, 2012

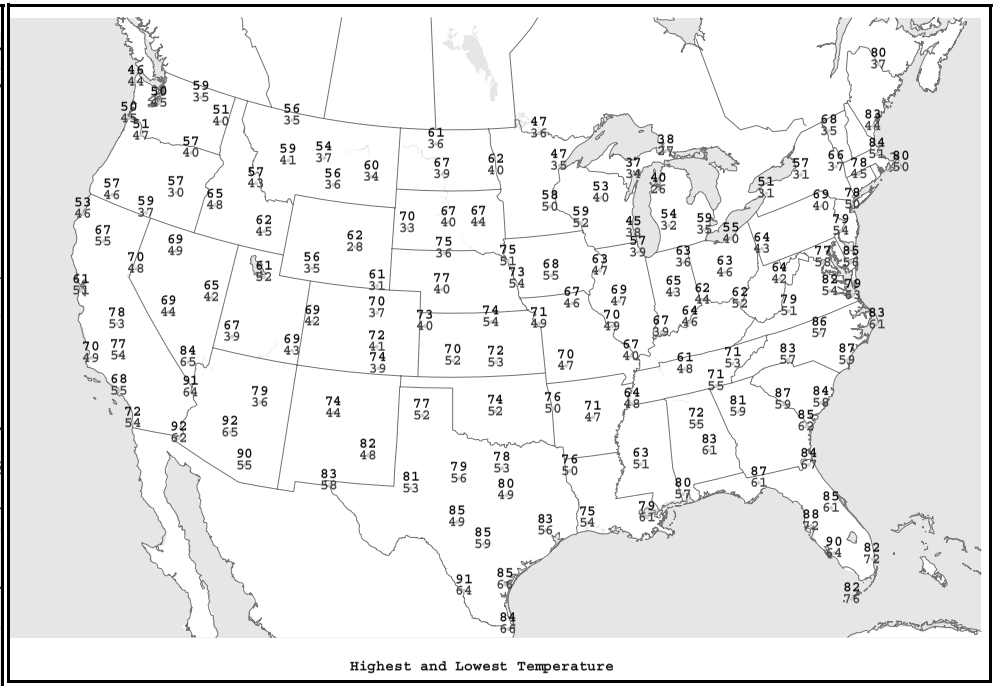
**WEDNESDAY, APRIL 18, 2012**



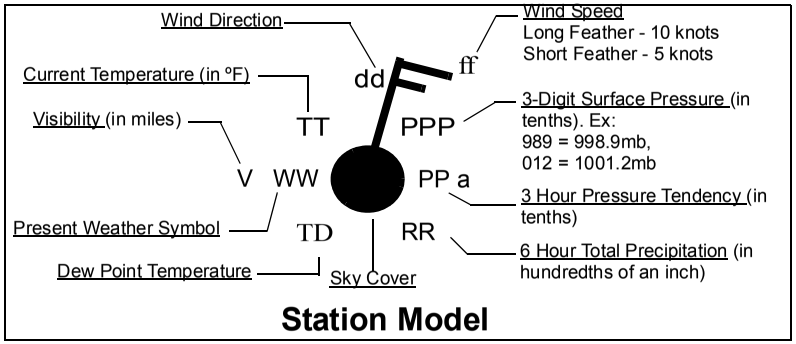

Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



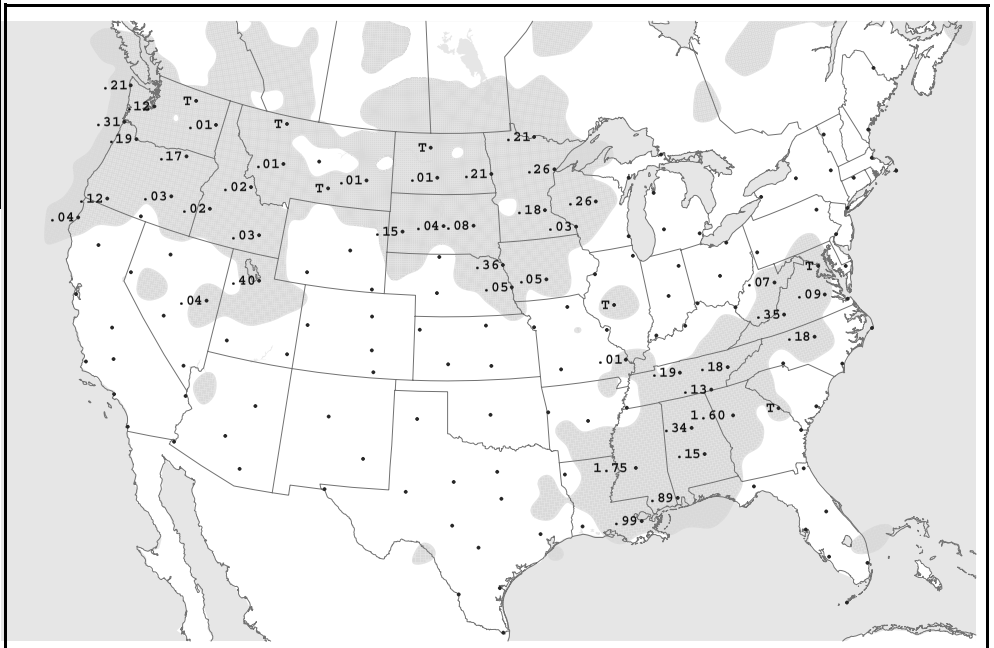

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

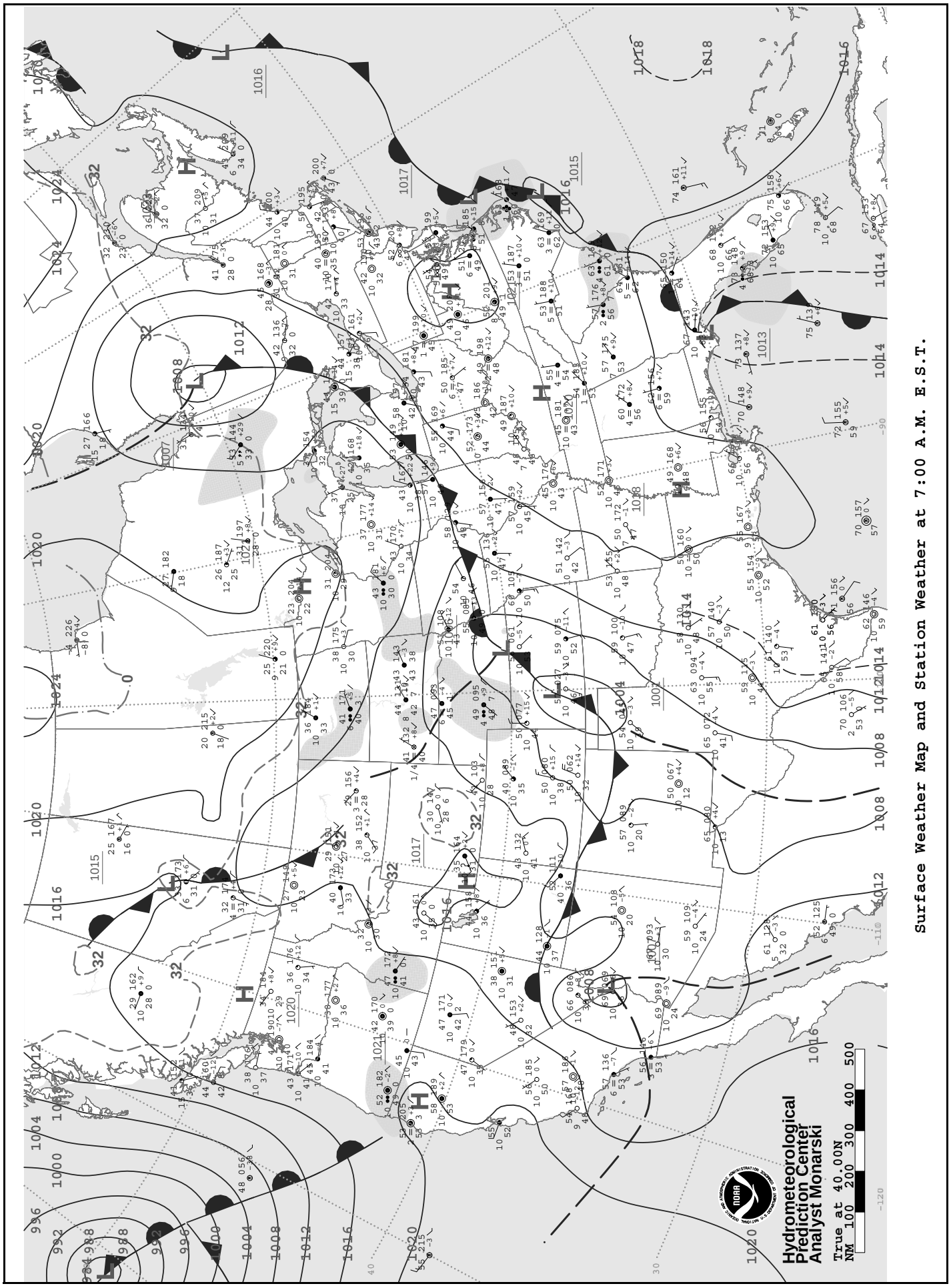


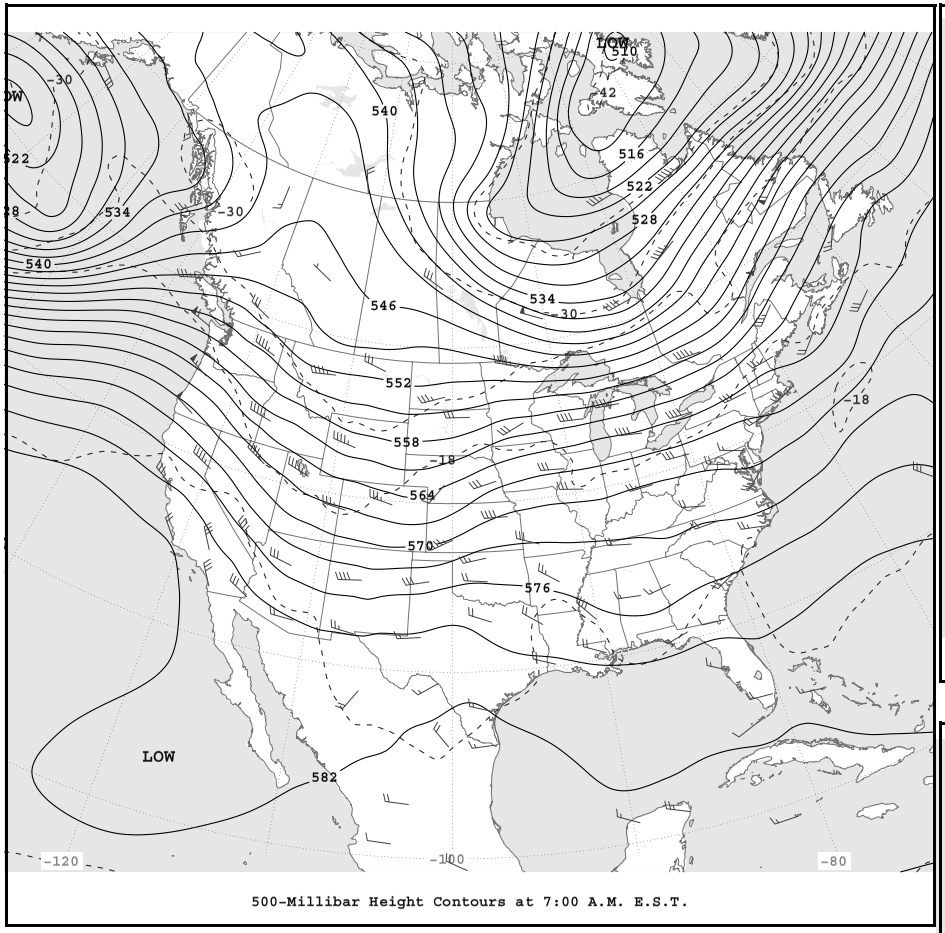

# WEDNESDAY, APRIL 18, 2012



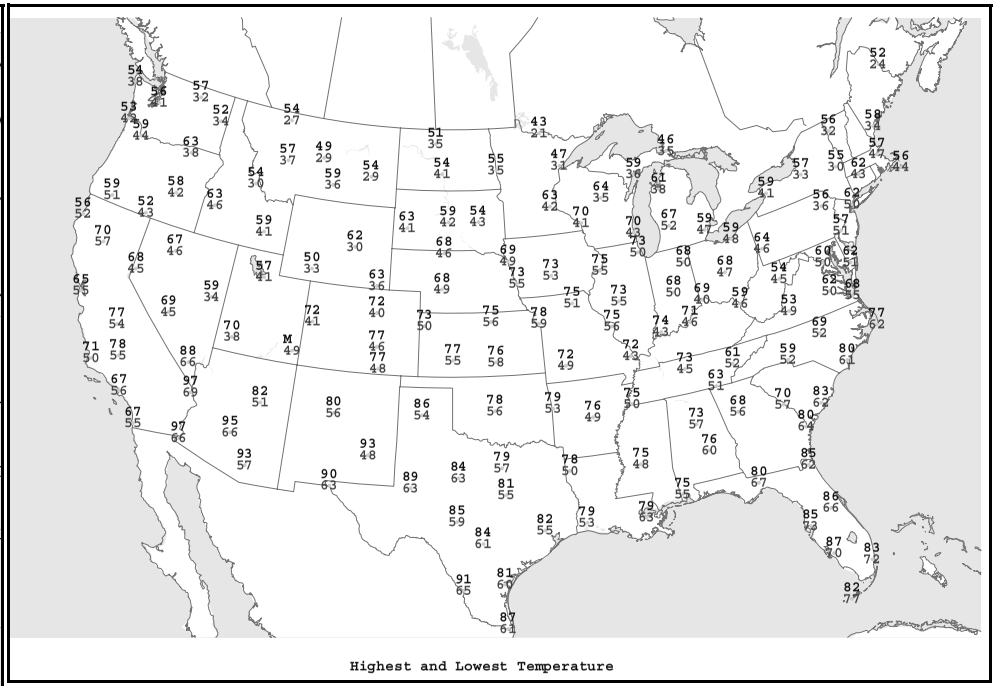
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

**THURSDAY, APRIL 19, 2012**

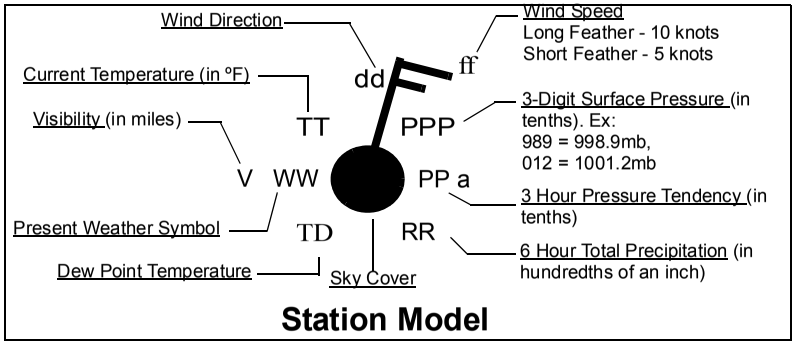




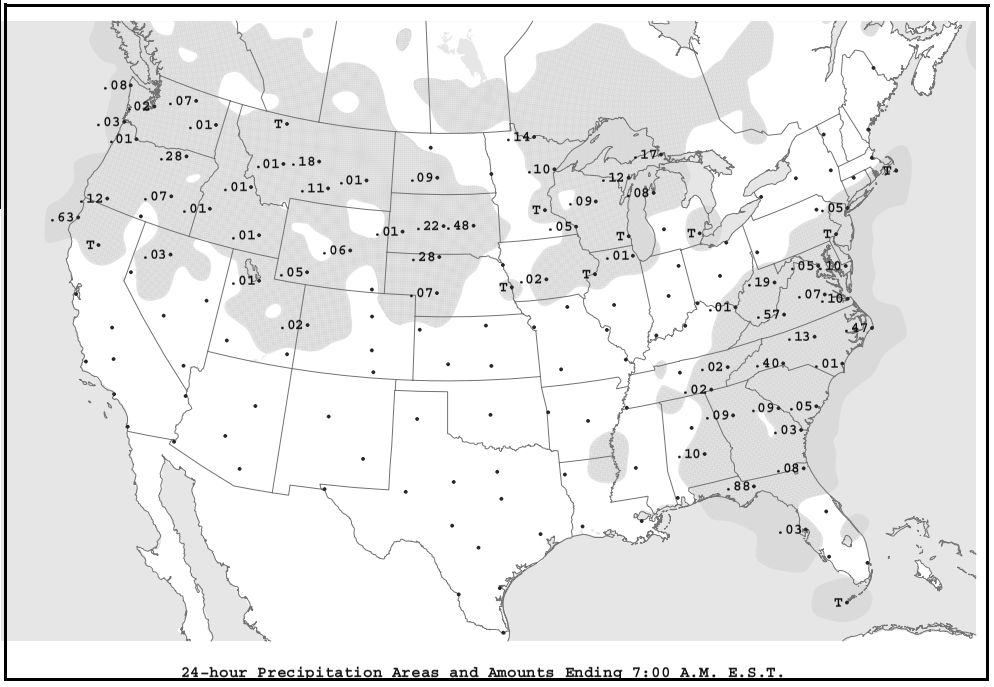

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

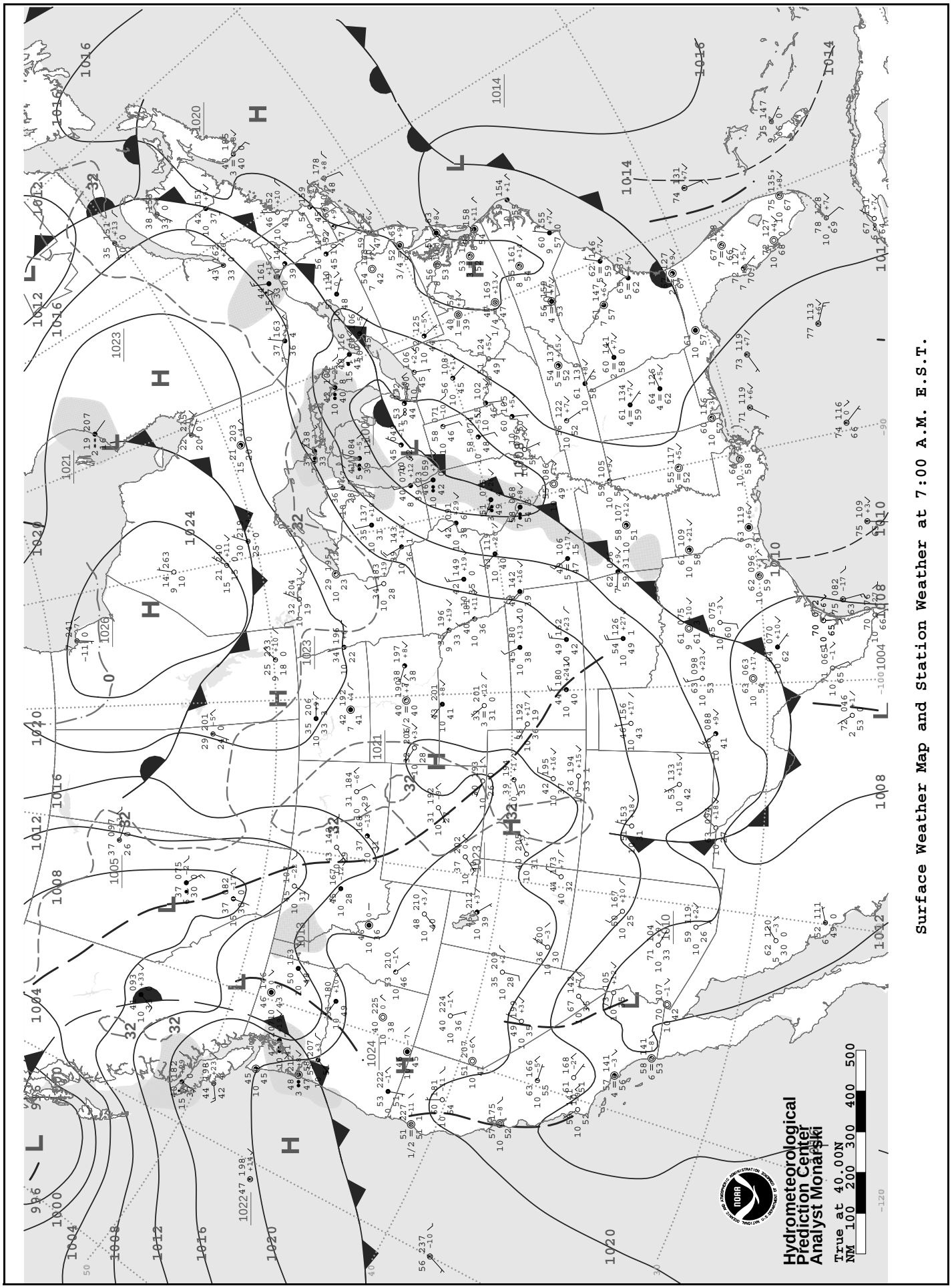


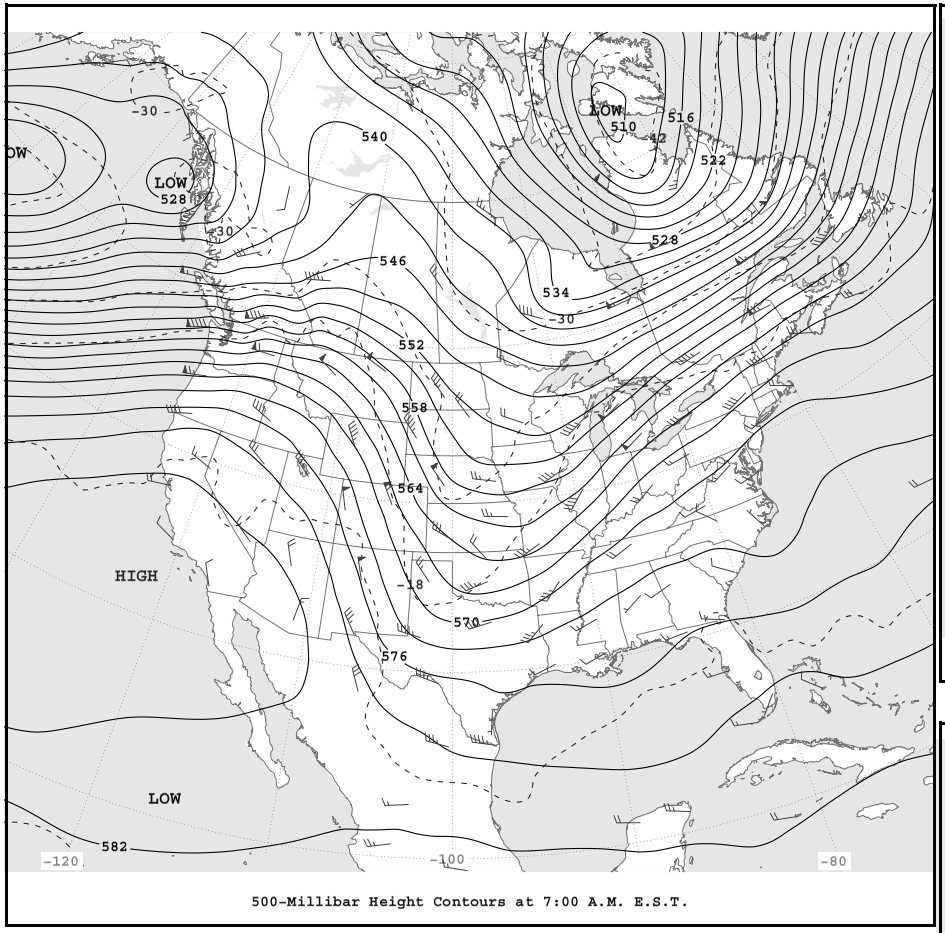

# THURSDAY, APRIL 19, 2012



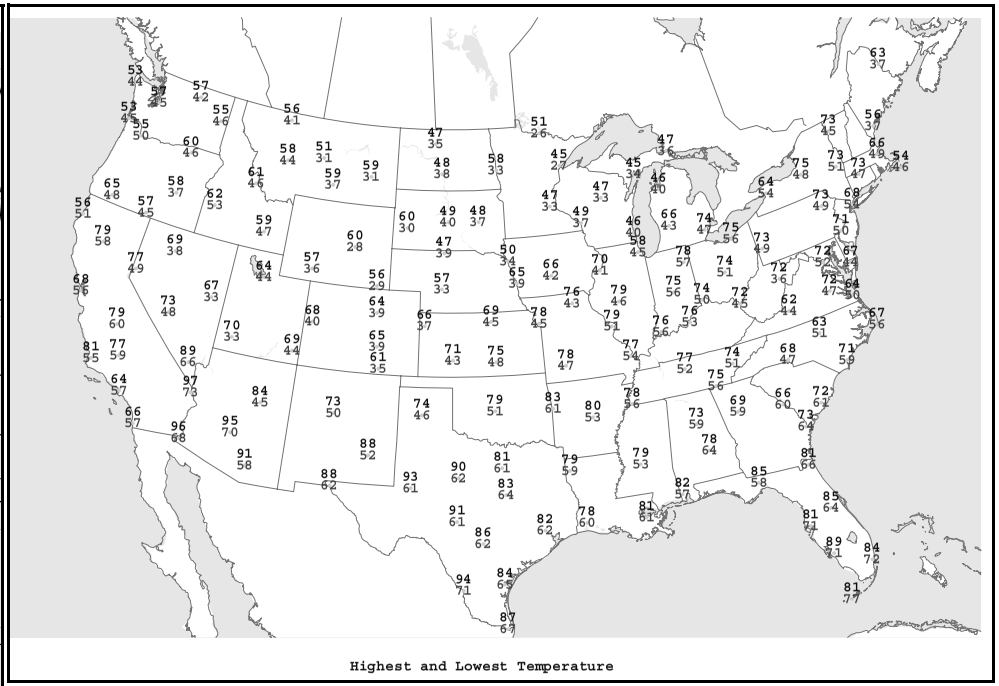
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

**FRIDAY, APRIL 20, 2012**

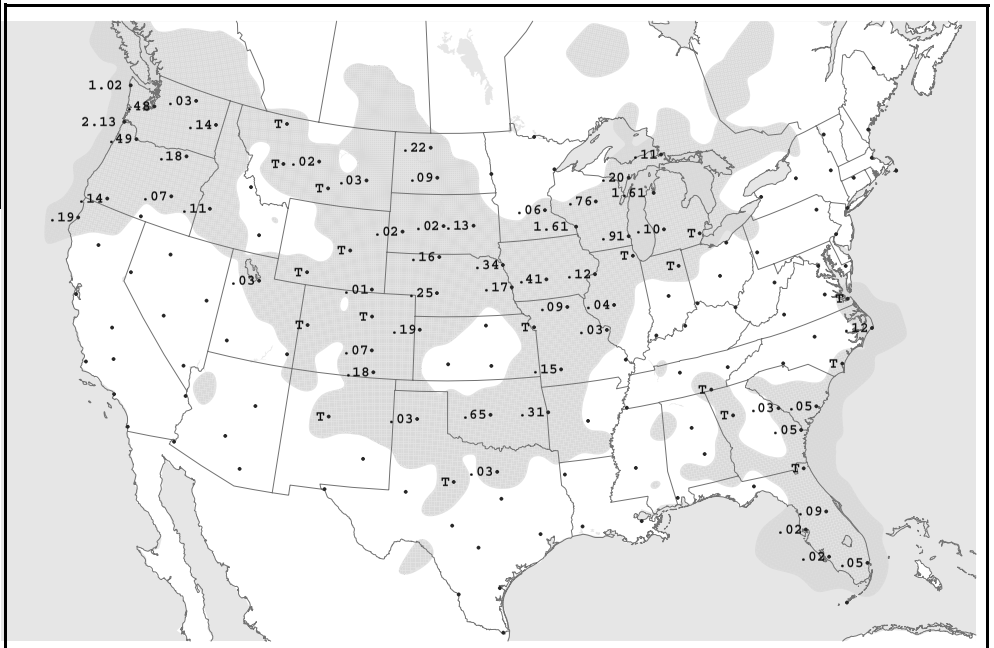




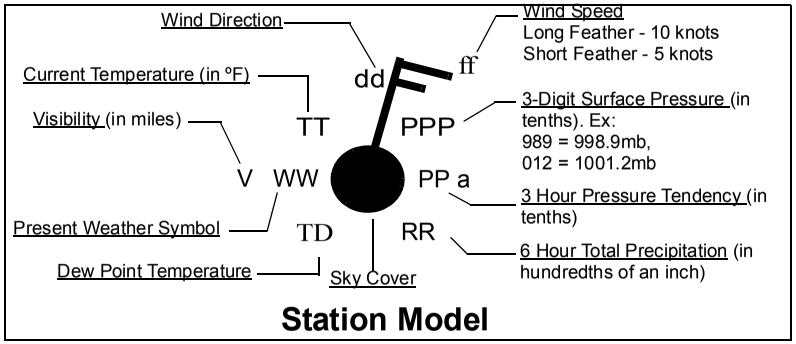

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

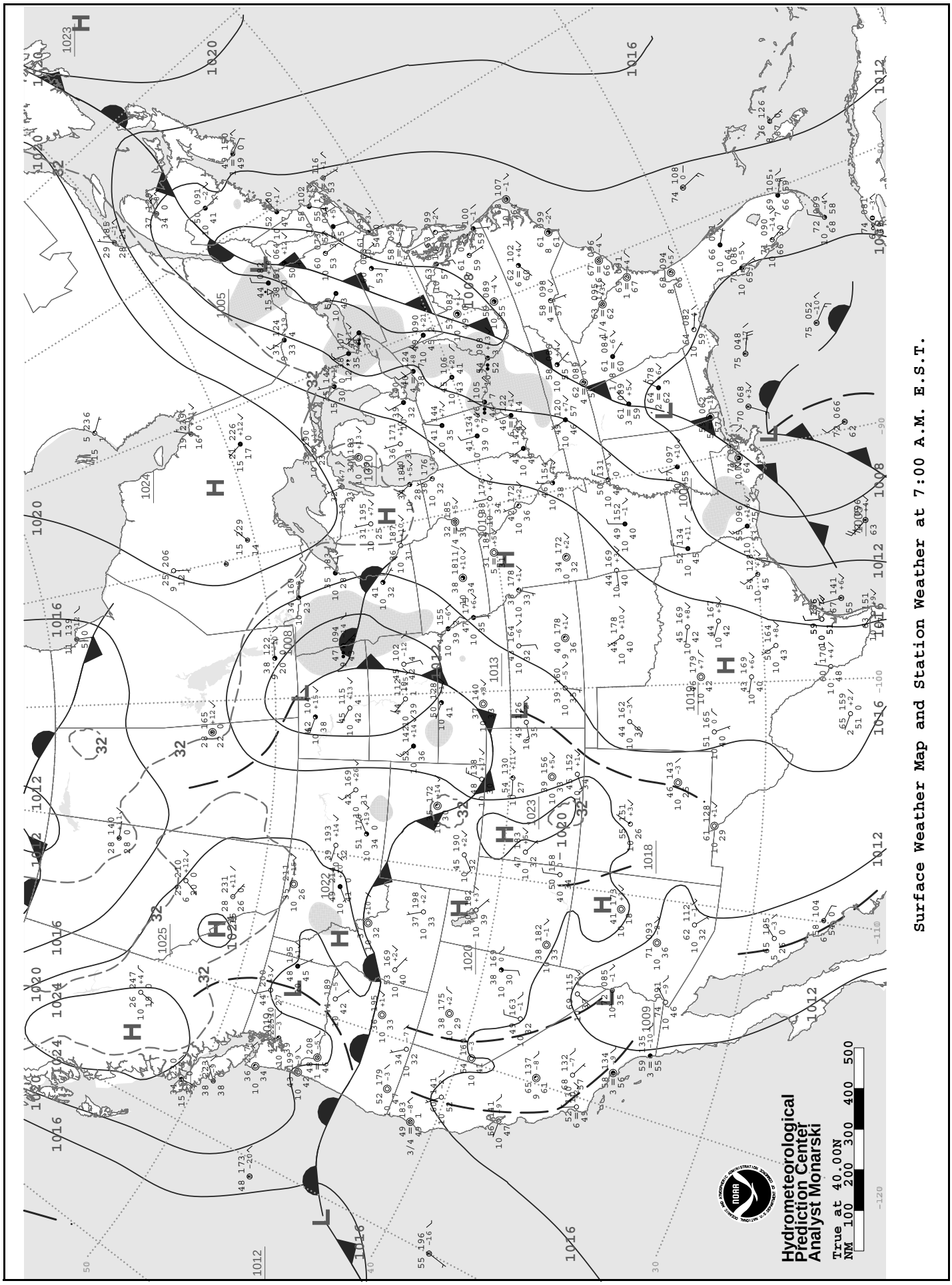


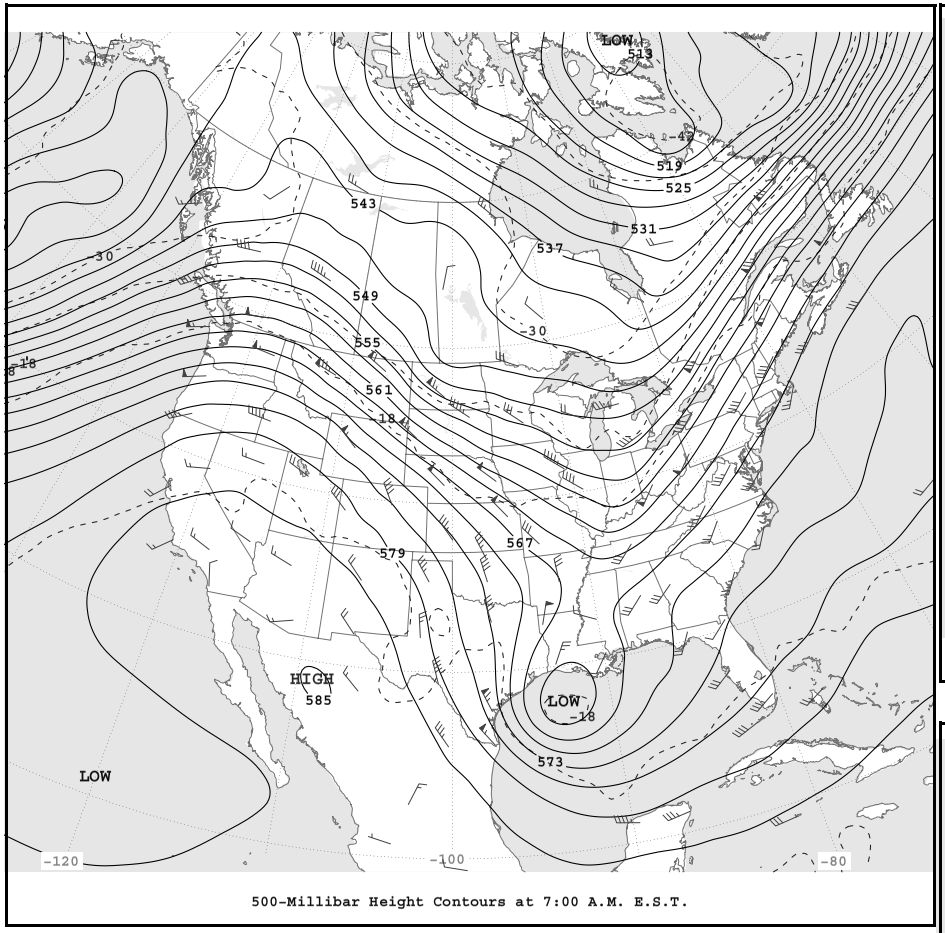
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.



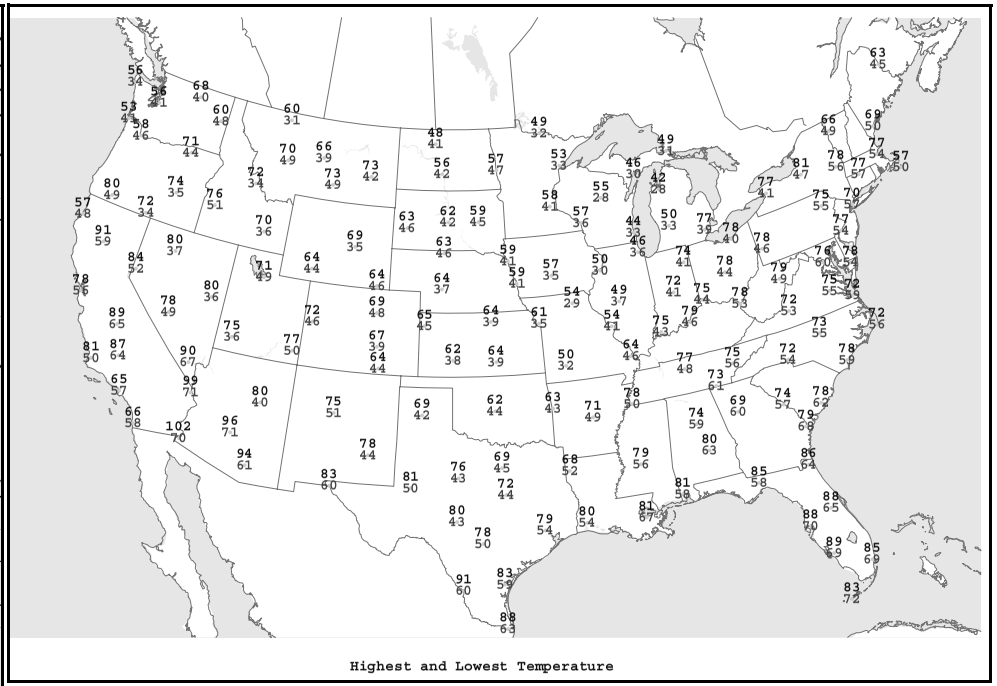

# FRIDAY, APRIL 20, 2012

**SATURDAY, APRIL 21, 2012**

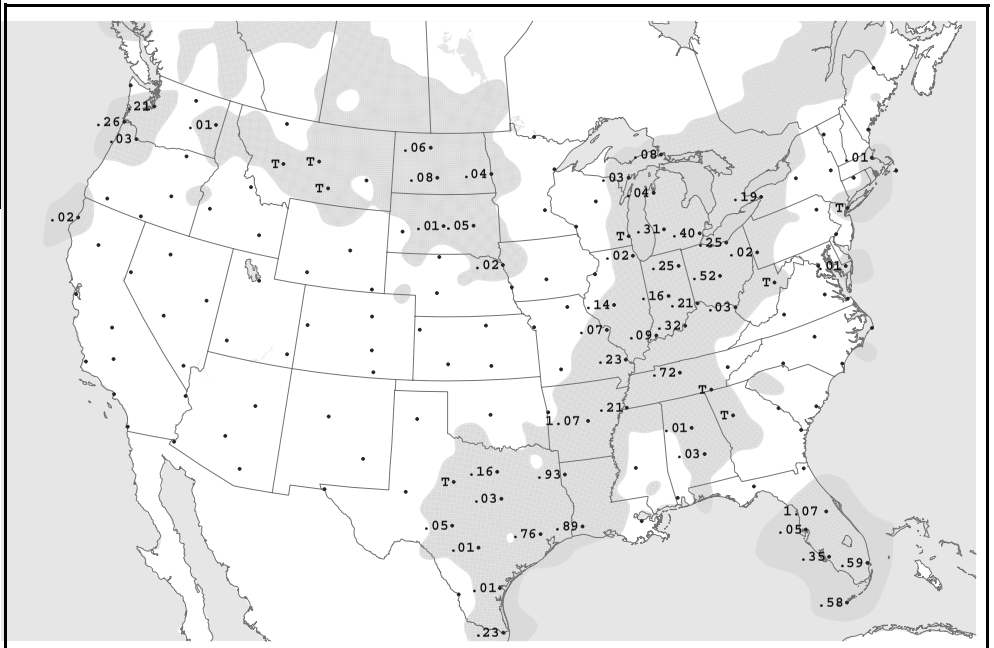




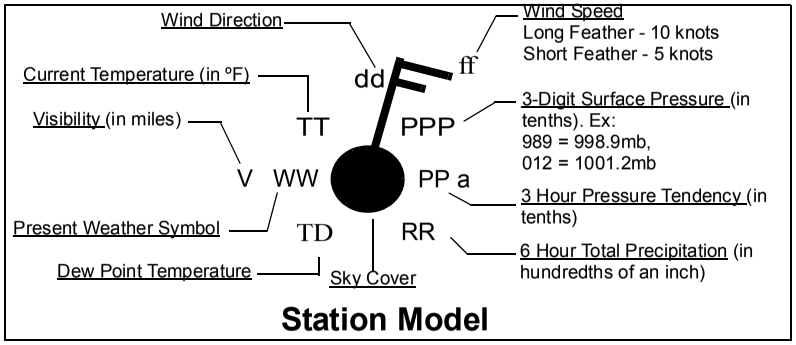

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

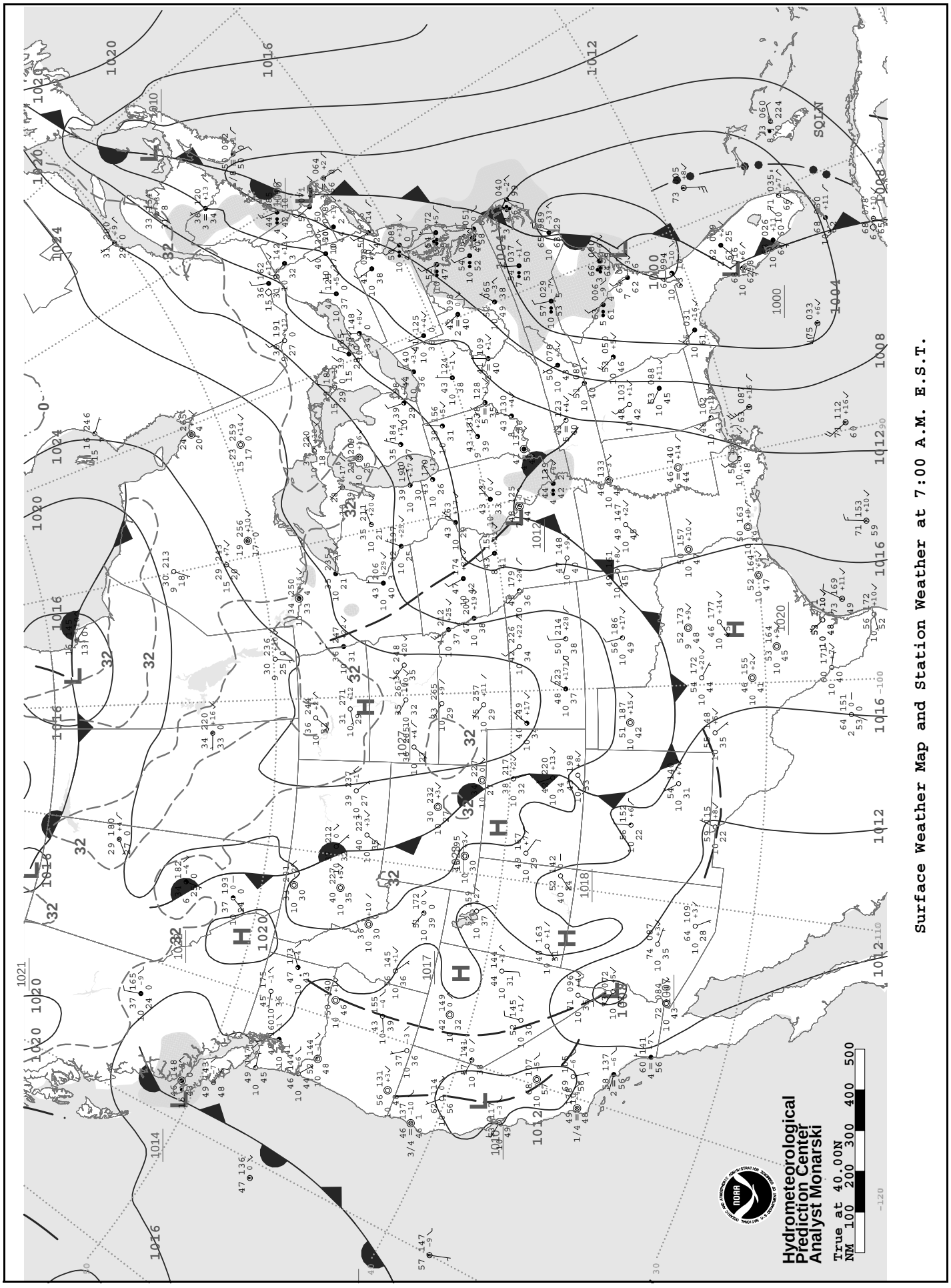


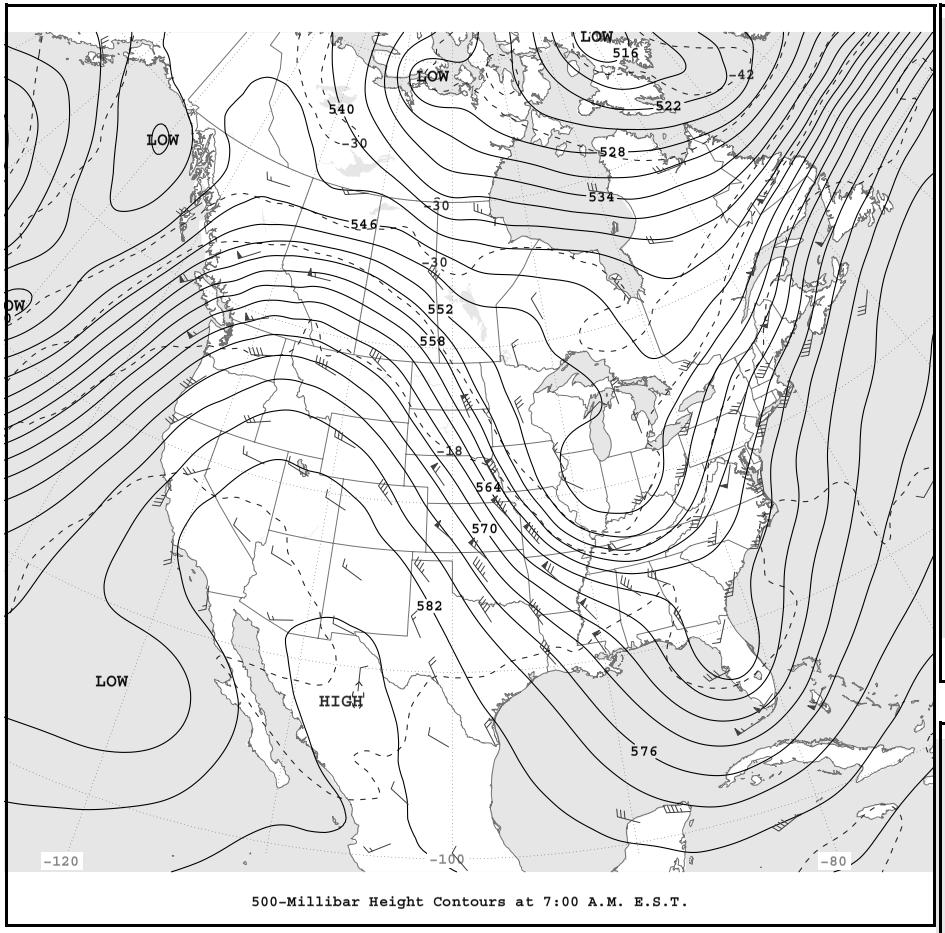
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.



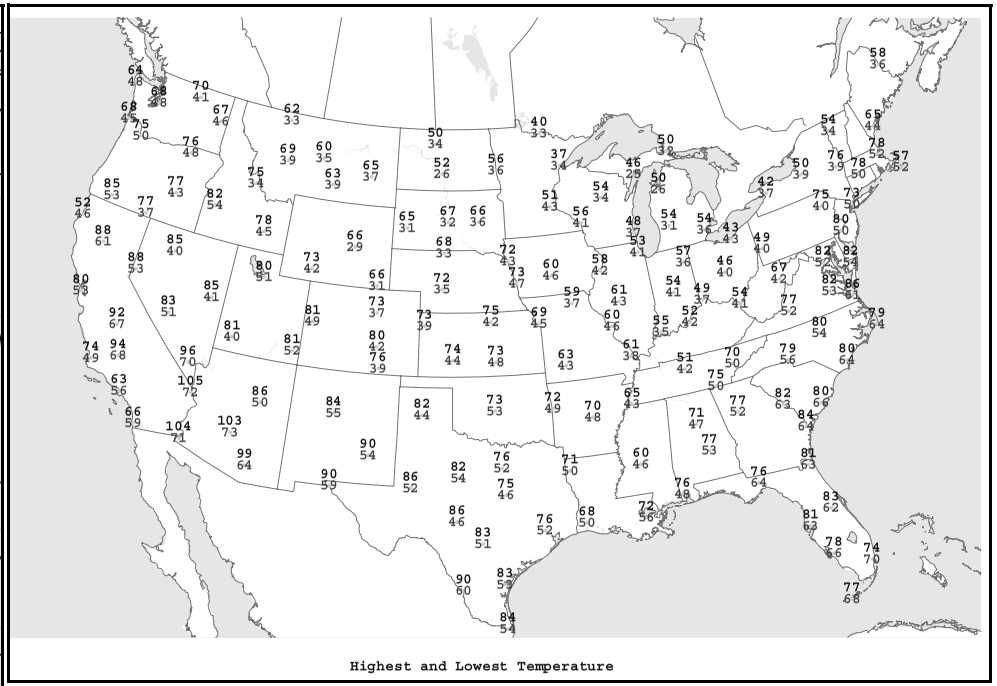

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**SUNDAY, APRIL 22, 2012**

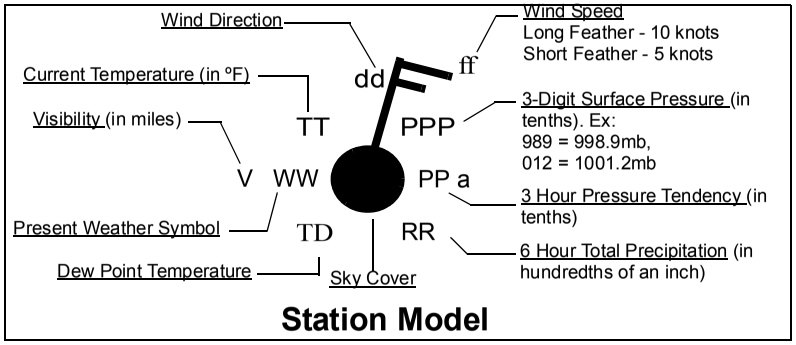




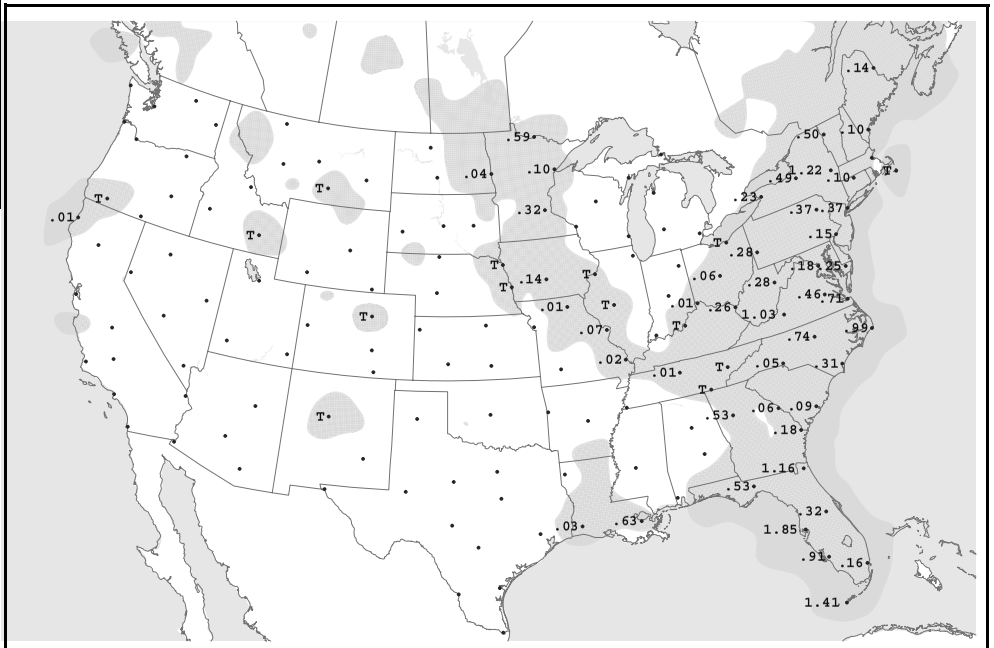

500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature




# SUNDAY, APRIL 22, 2012



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

NOAA/NWS/NCEP/HPC
Daily Weather Maps, W/NP3
5200 Auth Road, Room 410
Camp Springs, MD 20746-4304

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**Daily Weather Map Station Names and Locations**