

# Rocky Mountain Area Predictive Services

## Southwest Monsoon Update

August 23<sup>th</sup>, 2007

### Short-Medium Range Forecast:

A strengthening jet stream over the northern U.S. has pushed Subtropical moisture south of the RMA. However, Pacific moisture, associated with a trough and cold front, will result in showers and thunderstorms on the 23<sup>rd</sup> and 24<sup>th</sup> with drying expected Saturday and Sunday (25<sup>th</sup> and 26<sup>th</sup>)

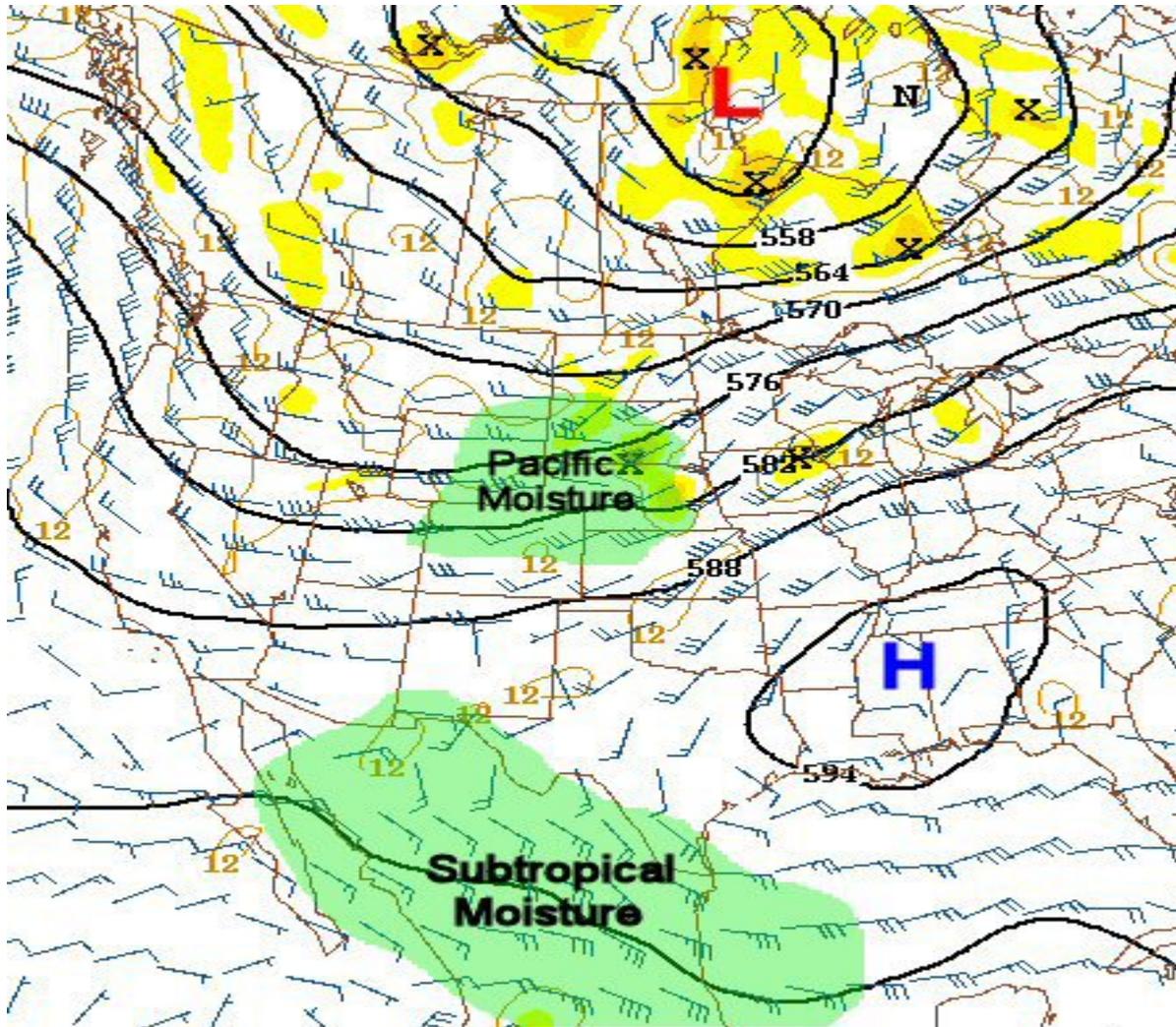


Figure 1. GFS winds aloft and pressure contours at 18,000 feet (blue barb and black lines respectively) Thursday 8/23/07

**Long Range Forecast:**

Remnants of hurricane Dean and subtropical moisture is forecast to move northward into the RMA on Monday (Aug. 27<sup>th</sup>) as upper level high pressure builds over the southern U.S. The subtropical flow over the Southwest is forecast to weaken again towards the first of September, as the northern stream jet strengthens and becomes the more dominate feature during the first two weeks of September.

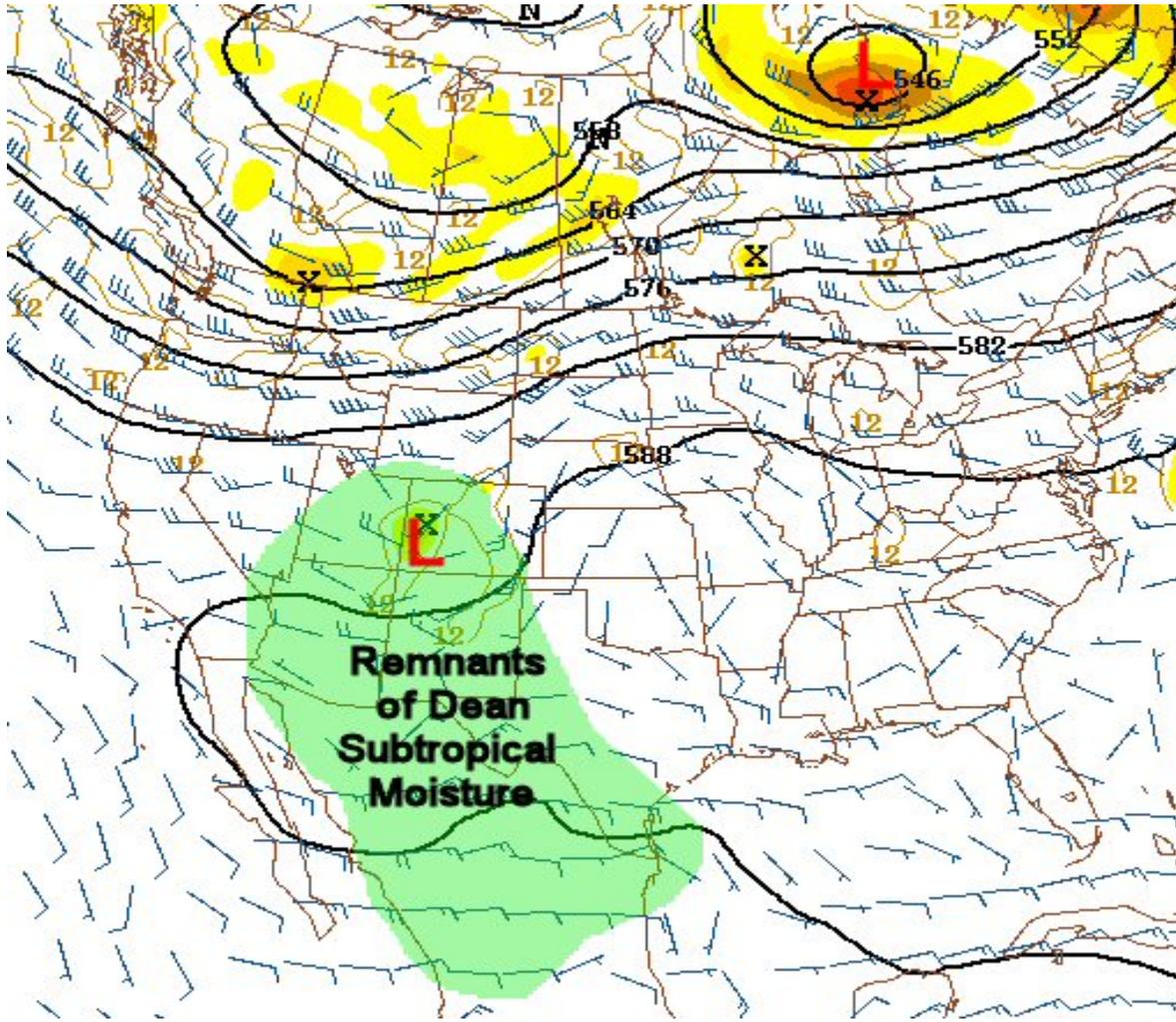


Figure 2. GFS winds aloft and pressure contours at 18,000 feet (blue barb and black lines respectively) Mon 8/27/07.