

Morning Forecast, Monday April 25

Submitted by dhartsock on Mon, 04/25/2011 - 11:57

- [Central Facility](#)

The early morning storms have pushed off to the east. Drizzle and light rain will persist on/off through the afternoon before clearing out by 00Z. Conditions will clear out somewhat overnight as the surface low lifts up NE into the Missouri Valley and the associated front pushes into Arkansas. A few mid/upper level clouds will precede the next round of storms/rain late Tuesday night into early Wednesday morning. As the broad upper level trough continues to move through the region, the jet streak off the West side will help to enhance lift in the left-exit region over northern OK. Currently the thinking is for the most likely time of precipitation over/near the SGP CF will be between 03-12Z, with a maxima occurring 06-09Z. A few stronger storms possible earlier on, while a chance of stratiform rain on the back end or just spotty showers.

The upper trough will sweep through putting our region under NW flow aloft Wednesday evening through the end of the week. Clear conditions are expected as the upper ridge passes over. Also looking in the extended forecast for a chance of rain over northern Colorado Friday evening.

Forecasts

Time of Day:

Morning

Day 0:

04/25/2011

Forecast for Day 0:

Some good thunderstorms came through the SGP region early this morning giving us some much needed rain. These storms pushed off east with some light rain and drizzle behind. This is forecast to be spotty and continue through the afternoon until 00Z. The surface low will lift to the NE pushing the front into Arkansas and far SE OK. Conditions should clear out at the SGP overnight.

Day 1:

04/26/2011

Forecast for Day 1:

Mid and upper level clouds will begin moving through during the day, as the jet streak on the back side of the upper broad trough moves closer. The left-exit region of the jet streak looks to be kicking off the storms over NW OK and southern KS Tuesday night. Currently there is fairly good agreement in the NAM and GFS models that late night convection will occur over northern OK, and persist into early morning Wednesday. The latest NAM run indicates good amounts of rain near the SGP between 03-12Z. The most probably time will occur between 06-09Z hours overnight, with a 50/50 chance of some stratiform rain developing behind a complex of storms progressing west to east. As the trough moves through over night, winds will likely shift around. By 12Z could be stronger out of the North.

Day 2:
04/27/2011
Forecast for Day 2:

After the early morning rains move out, post-frontal conditions will set up with NW winds and a few shallow Cumulus possible during the afternoon. Otherwise staying mostly clear.

Extended Outlook:

Northwesterly flow aloft will persist as an upper-ridge progresses over the region. Surface high pressure will also help to keep conditions clear through the end of the week over the SGP region. Friday a low pressure system begins moving across Canada which may bring some precipitation over northern CO. Slight chances of this storms system reaching down to OK Saturday/Sunday.

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