

Morning Forecast, Thursday May 5

Submitted by dhartsock on Thu, 05/05/2011 - 14:06

- [Central Facility](#)

Although the weather today through this weekend will likely remain dry over the SGP region, a series of weak fronts, returning moisture with drylines, and low-level jets will try to fire off a few storm events. A weak cold front will pass through northern OK by 18Z with cumulus likely in the afternoon, the showers/storms staying far off to the east. Dry conditions with brisk southerly surface winds will persist Friday, before a weak warm front lifts northward across the area late Friday night along with some moisture return. An 850mb jet intensifies overnight into Saturday morning with a chance of rain mainly over southern Kansas and into NE OK again (20%). The surface front will then again return southward Saturday afternoon setting up possible isolated storms near the developing dryline/front triple point. The front then again lifts northward Sunday morning, while a broad upper-level ridge builds in across the central plains. Again, slight chance of rain early Sunday morning over northern Kansas (20%).

Instability will be strongly capped Monday into Tuesday, until a deeper upper level trough is expected to enhance lift along with a stronger cold front mid-week. After a likely dry period, the next best chance for more widespread precipitation is forecast to occur next Wednesday.

Forecasts

Time of Day:

Morning

Day 0:

05/05/2011

Forecast for Day 0:

A weak cold front has passed through north central OK this afternoon, with a deck of mid-level cloud this morning. Fair weather cumulus over the region this afternoon (bases near 2 km 70/40F (20/5C)), with storms/showers staying far off over eastern Kansas and NE OK.

Day 1:

05/06/2011

Forecast for Day 1:

Brisk southerly winds will remain dry Friday in the lower levels. Winds at Offutt (NE) are still forecast 15-20 knots and gusting from 18Z to 22Z Friday afternoon. A warm front will begin to lift northward across the region, and a low-level jet (850 mb) develops over western OK Friday night. These may combine to enhance rain potential (20-30%) over southern Kansas into NE OK overnight (6Z-12Z).

Day 2:

05/07/2011

Forecast for Day 2:

Low level moisture finally returns back to the area, more over eastern OK Saturday morning. The surface front will then again return southward Saturday afternoon setting up possible isolated storms near a developing dryline/front triple point, which is currently forecast to be set up south of OKC. Some cumulus may be possible Saturday afternoon, but remains fairly dry in the mid-levels.

Extended Outlook:

The front then again lifts northward Sunday morning, while a broad upper-level ridge builds in

across the central plains. Again, slight chance of rain early Sunday morning over northern Kansas (20%).

Instability will be strongly capped Monday into Tuesday, until a deeper upper level trough is expected to enhance lift along with a stronger cold front mid-week. After a likely dry period, the next best chance for more widespread precipitation is forecast to occur next Wednesday.

Attached files:

1. [MC3E Weather Briefing 20110505.ppt](#)