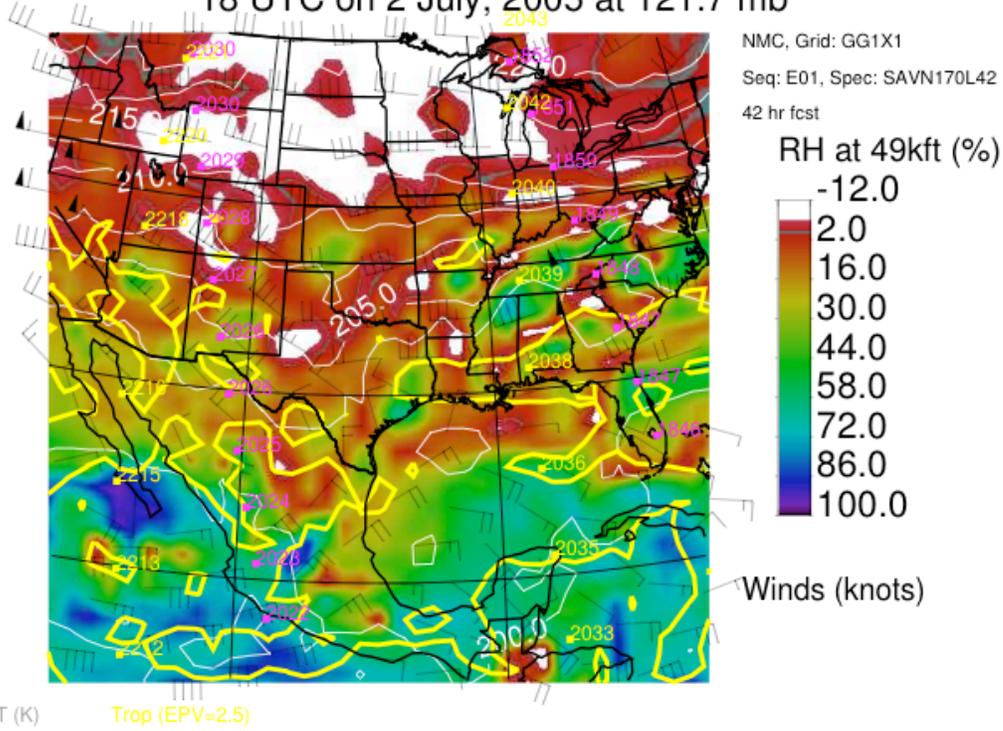


Weather Briefing, July 1, 2005

We are currently on the east side of an upper level ridge (nothing new, we have been under or on the east side or under a ridge for what amounts to weeks). However, the model runs are showing some disturbances running down the ridge to the north and northeast of us, beginning either tonight or early tomorrow (depending on the model). The Houston forecast office suggests that this may be the beginning of the end for this dry period. The GFS indicates higher rainfall probabilities by Tuesday, though keep in mind that is four days out. The longer range runs indicate a strong ridge reforming, but somewhat more to the west of us. Whether we revert to a more climatological rainfall pattern (30% is typical, rather than the 20% forecast for the next few days) depends on the positioning of this ridge. There has been convective activity to the northeast of us all this time we have been dry.

The disturbances that are expected to the north and east of us should give us some opportunities for convective outflow in the next few days (through Sunday). For example, a disturbance is progged to be just west of northwestern Louisiana tomorrow afternoon, with other convection further east. Tropopause level winds are either westerly or confused, which complicates finding a clear safe outflow region. Also, the eastern Gulf of Campeche(GOC) and Yucatan promise a convective revival by tomorrow, after being suppressed for a few days due to the passing Tropical Storm. Sunday actually looks reasonable for a flight east southeast to catch moisture outflow from GOC and Yucatan convection. I do not believe the Gulf itself will be that active as midlevel forcing (vertical velocity) is minimal or negative. Winds are progged to be from the south and strong (30 knots, decreasing to 10 at the tropopause).

18 UTC on 2 July, 2005 at 121.7 mb



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