

DISCOVER-AQ OUTLOOK -- September 9, 2013

Lesser number of thunderstorms in the Houston area compared with the past few days. Continued easterly and southeasterly winds at the surface off the Gulf led to low background ozone and aerosol. The moisture is shifting to the south and west, and there was some evidence of storm outflow over the study region from those directions.

Tomorrow should see continued drying of the atmosphere. Thunderstorm may pop up along the coast, but few are expected over inland areas of our study region. There will be continued easterly and southeasterly winds off the Gulf. This flow will continue the low ozone (Code Green) over the region. Mostly clear skies off the coast of Louisiana where the King Air will fly tomorrow to rendezvous with the GEO-CAPE ship. Perhaps some scattered Cu in the lower levels and possible scattered Ci in that region during the afternoon.

Wednesday and Thursday should continue the drying trend with partly cloudy skies (less than 50% cloud cover). Relatively clean conditions for ozone and aerosols continue, except for possible influence of Mississippi Valley smoke extending down to the northern portion of our region. Wednesday will likely be a good day to fly in the Houston area.