

## **DISCOVER-AQ OUTLOOK -- September 11, 2013**

The P-3B and King Air flew today in the Houston region as clouds became more cooperative. However, there was enough cirrus that the King Air descended from 28K ft to 23Kft to get below it. Ozone was expected to build today to higher mixing ratios than we have seen for the past several days with light winds and more solar radiation.

Tomorrow should be similar to today, but perhaps with somewhat less cirrus. Ozone will again build to the high end of the moderate range to near code Orange levels on the W and SW side of Houston in response to light NE winds. Therefore, Thursday appears to be a good day to fly.

Friday, the cloud situation should remain similar to today and tomorrow, but with a somewhat greater chance of more cirrus from the convection in the southern Gulf. Code Orange ozone is expected to the W and NW side of Houston. The GFS model develops the disturbance in the Bay of Campeche into a tropical cyclone on Friday, which moves very slowly WNW-ward into the coast of Mexico over the weekend. High-level outflow from this storm may reach our region on Saturday. Code Orange ozone is still expected Saturday with weak winds.

PM2.5 will be in the low moderate range Wed. through Sat. with a substantial continental background contribution.