

DISCOVER-AQ Outlook for Tuesday, July 5, 2011

A frontal system remains stalled just south of the Baltimore-Washington area today, leading to considerable clouds at multiple levels. All of the forecast models show high pressure building over the upper Midwest today and tonight which will lead to clearing over our study region by tomorrow morning. Following the early morning clearing, the day should only have scattered clouds. The cloud outlook will be updated at 3:30 AM tomorrow. Sky conditions will continue with only scattered clouds into Wednesday morning, but with increasing clouds during the Wednesday afternoon as the frontal system moves back to the north. Ozone is forecast to be in the upper moderate range tomorrow over the region. The GEOS-5 aerosol forecast produces AOT up to nearly 0.9 over the southern part of the study region with a combination of smoke from fires and regional sulfate. Recommendation is to fly tomorrow, with an update at 3:30 AM.