

DISCOVER-AQ Outlook for Friday, July 1, 2011 Flights

Friday will still be dominated by relatively clean northwesterly flow at low levels. However, winds will be light as the center of the large high pressure area moves over us during the day. This will allow possible bay breeze conditions to develop due to strong surface heating over land during the afternoon. The bay breeze will be conducive for pollutant buildup along the western shore of the Chesapeake Bay. Expect surface ozone in the upper good (Code Green, 8-hr max ozone <60 ppbv) to lower moderate range (Code Yellow, 8-hr max ozone 60-75 ppbv). Some locations along the Bay could exceed 75 ppbv. With low relative humidity on Friday, aerosol optical depth will still likely be low. Clear skies with a few scattered clouds are expected throughout the day. Recommendation is to fly.