#### DISCOVER-AQ Outlook for Thursday, July 14, 2011

We will fly tomorrow (Thursday, 8am takeoff). Air quality should be reasonably good as a front passed through the mid-Atlantic Wednesday. The next likely "fly day" is Friday. Both Thursday (northerly flow) and Friday (southerly flow) should feature mostly sunny skies and clean air as a Canadian air mass settles over the mid-Atlantic. In addition, TES will be making a special observation (Beltsville; 2:33pm) on Thursday.

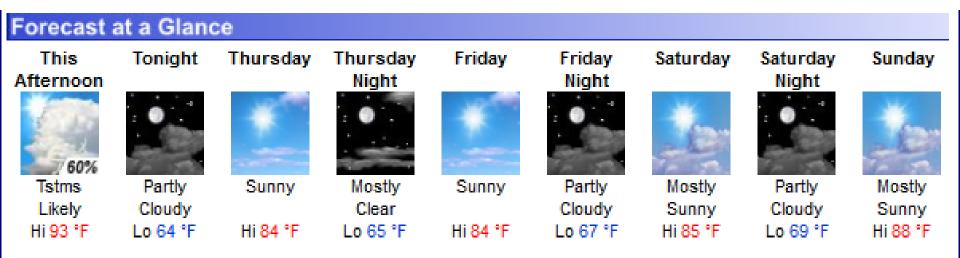
## Recommendations for July 14-16th

Thursday, July 14<sup>th</sup>: Fly TES 2:30pm Beltsville

Clean: Low O<sub>3</sub> & AOT

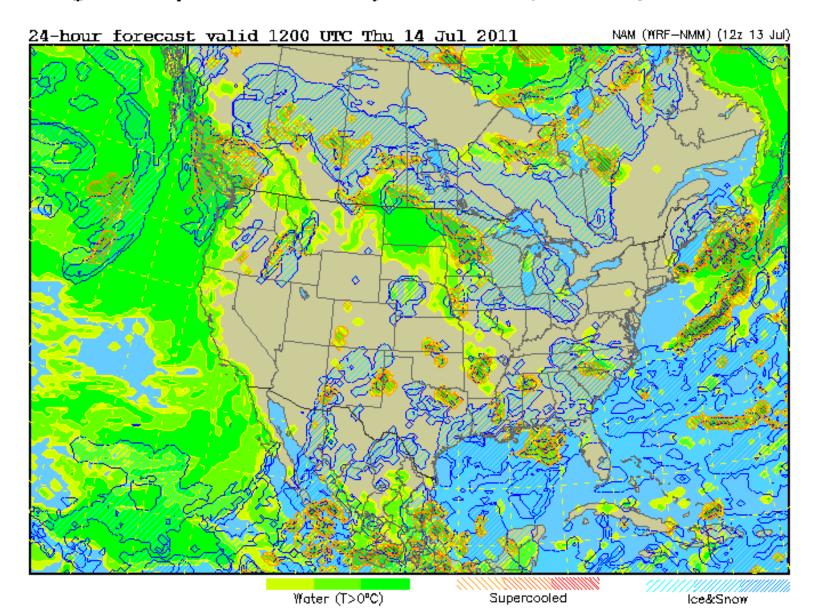
Friday, July 15<sup>th</sup>: <u>Fly</u> Likely Clean

Saturday, July 16<sup>th</sup>: Fly Need to watch cloud forecasts.



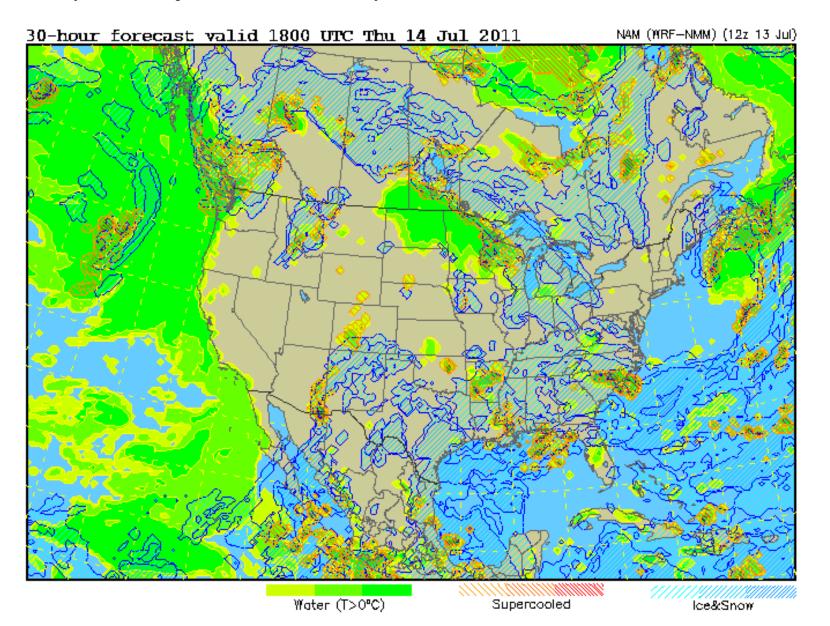
#### THURSDAY 8am: High pressure builds overnight Thursday and into Friday.

#### Integrated liquid and frozen hydrometeors (all levels)

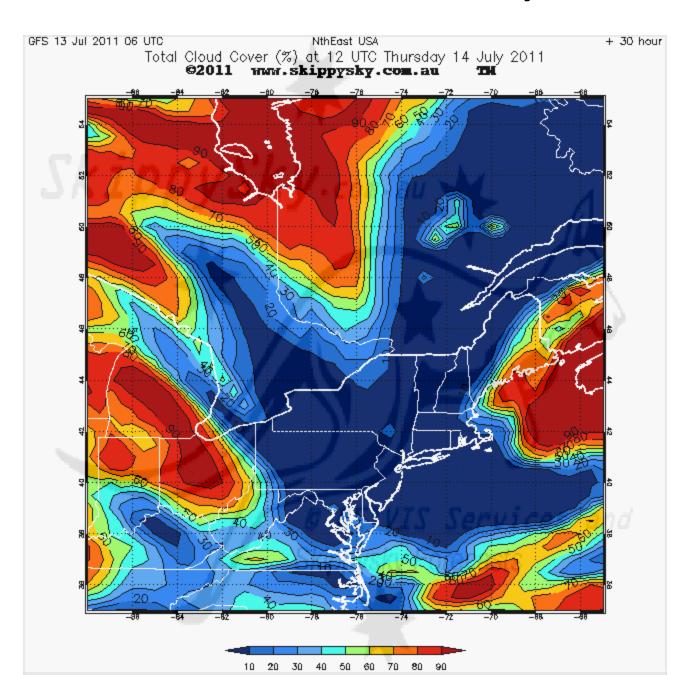


#### THURSDAY 2 pm: TES overpass – clear skies likely

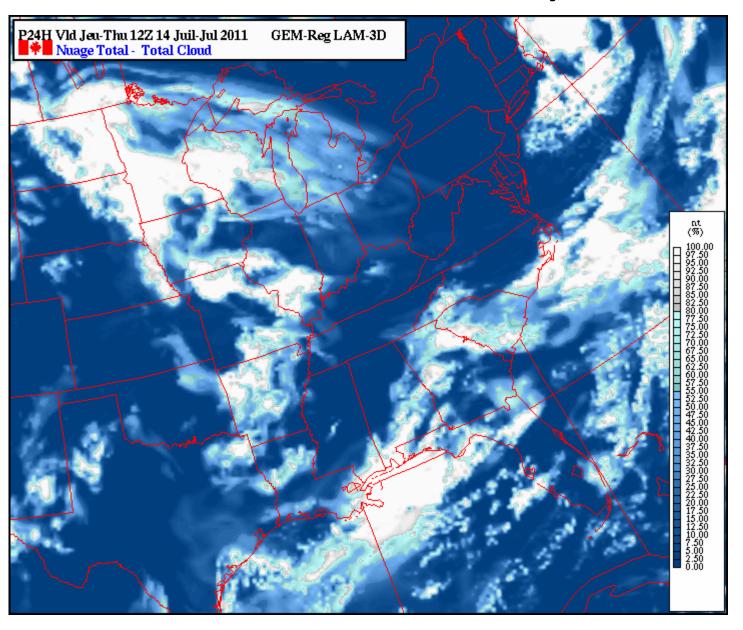
#### Integrated liquid and frozen hydrometeors (all levels)

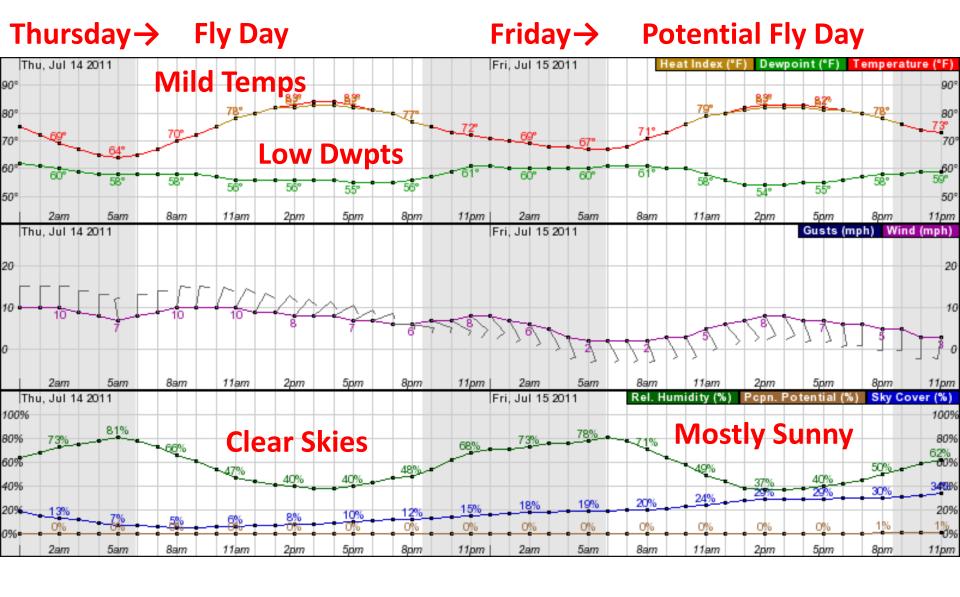


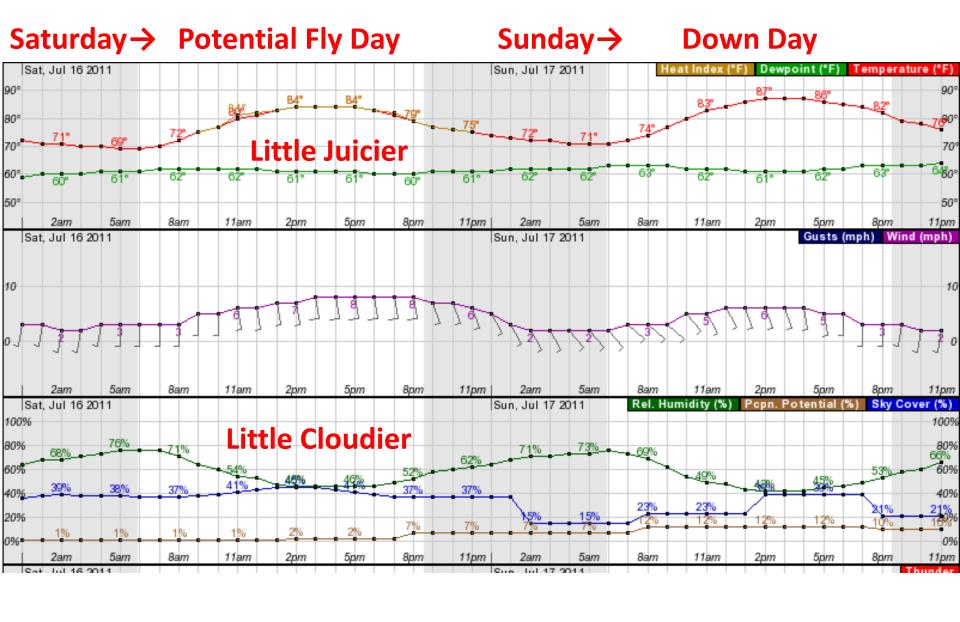
#### Cloud Cover from GFS for Thursday at 8 am



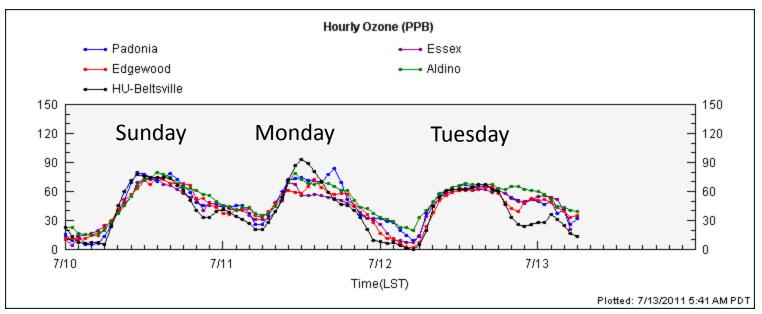
#### Cloud Cover from GEM for Thursday at 8 am

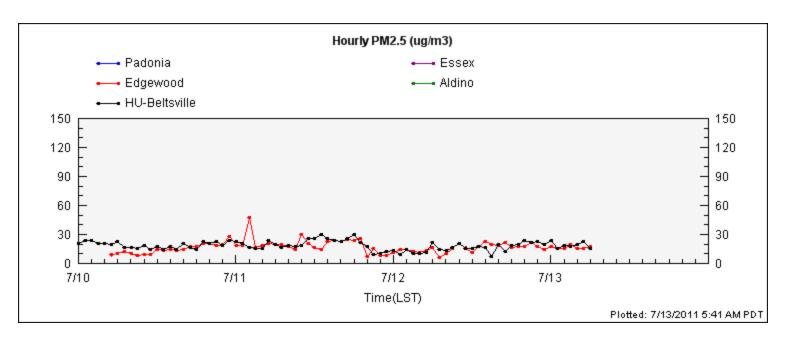




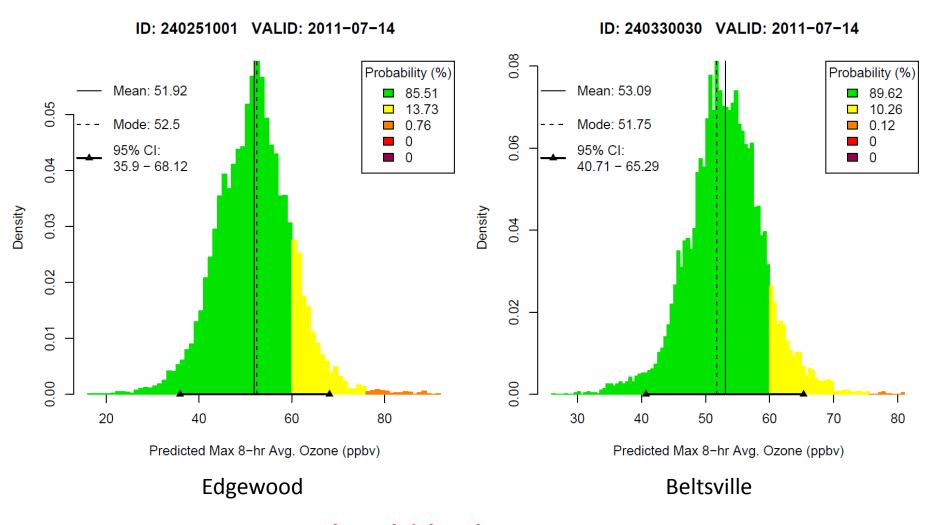


### Lackluster air quality last few days 😊





## NAQFC-MOS valid for Thursday



PM2.5 should be low too.

# AQ forecast for Today (Wednesday) Thursday even cleaner.

1 hr Max Ozone (ppbv)

8 hr Max Ozone (ppbv)

