

**07/07/2017 15:00 UTC**

The following graphs represent the coordinated launch for Langley Research Center (LaRC; 37.1024, -76.3929) and the Chesapeake Bay Bridge Tunnel 3<sup>rd</sup> Island (CBBT; 37.0366, -76.0767) on 07/07/2017 at approximately 15:00 UTC with initial wind blowing approximately from the southwest. This launch coordinated with the GeoTASO Flights. Preliminary analysis suggests a probable boundary layer around 1000 m at LaRC and approximately 900 m at CBBT. Potential temperature is noticeably less in the first 1000 m at CBBT compared to LaRC, but both sites show similar profiles from 1000 m to 5000 m.

Ozone mixing ratio for CBBT was not received throughout flight due to disconnected ozone sonde. Ozone mixing ratio above LaRC was approximately uniform the first 1000 m (~40 ppbv), generally increasing linearly from 1000 m to 2500 m and remaining approximately uniform from 2500 m to 5000 m, fluctuating between 55 and 60 ppbv.

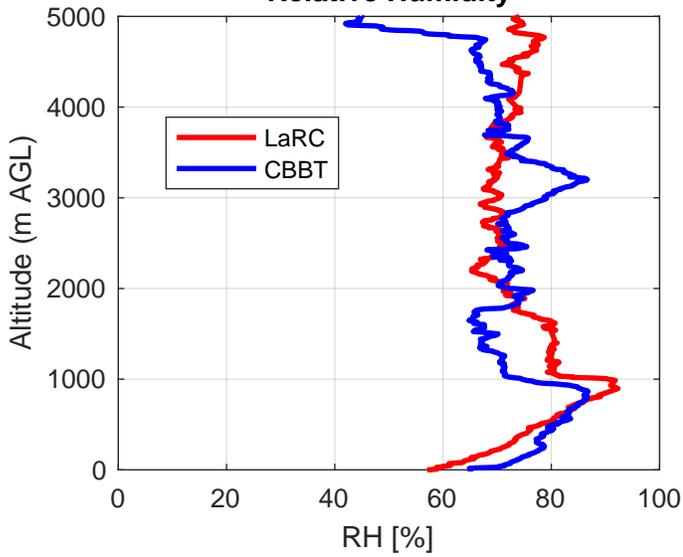
**PLEASE NOTE:** This data is preliminary and should not be used for official business until certified by NASA technical staff.

LaRC Sonde POC: John Sullivan ([john.t.sullivan@nasa.gov](mailto:john.t.sullivan@nasa.gov))

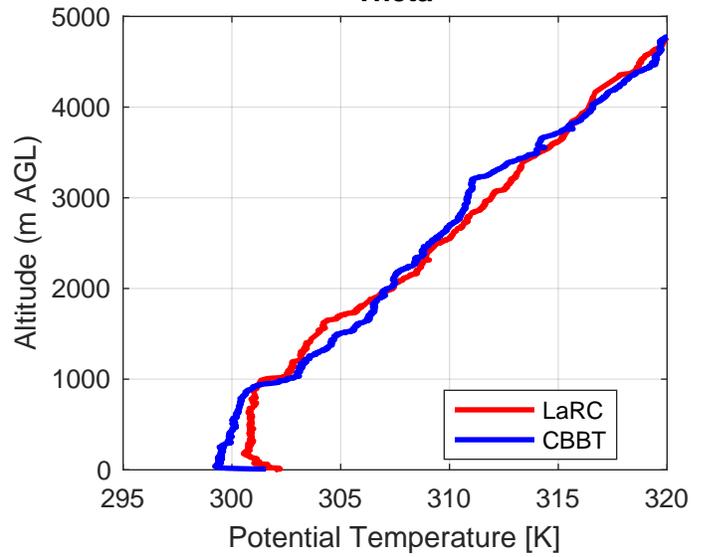
CBBT Sonde POC: Travis Knepp ([travis.n.knepp@nasa.gov](mailto:travis.n.knepp@nasa.gov))

Sonde Data: 07/07/2017 15:19 UTC (LaRC) and 14:59 UTC (CBBT)

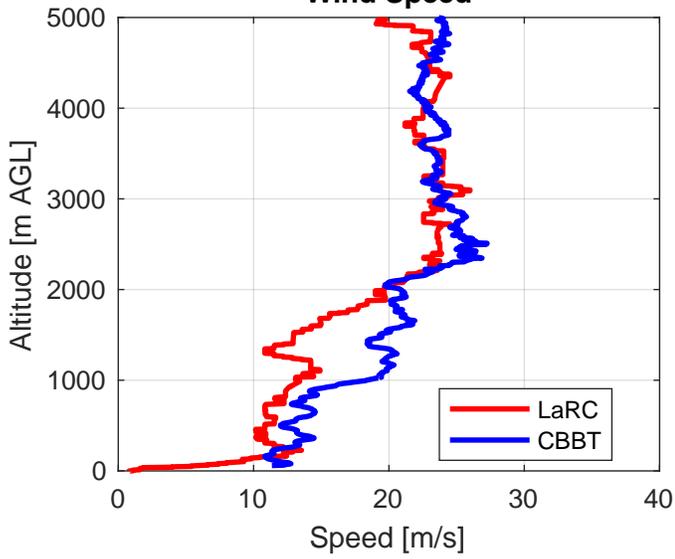
Relative Humidity



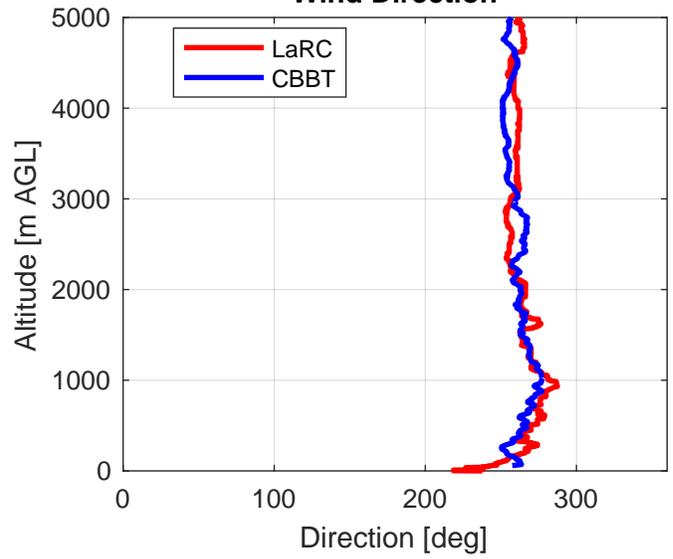
Theta



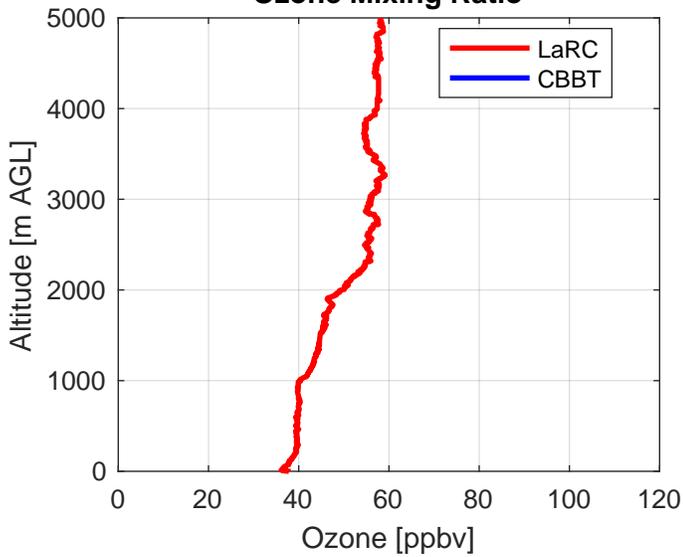
Wind Speed



Wind Direction



Ozone Mixing Ratio



Ozonesonde Map [ppbv]

