

GSFC TROPOZ report for 2017 July 21 operations

Contact: john.t.sullivan@nasa.gov

Sonde/Lidar operators at the GSFC Trailer at LaRC: Sullivan, Twigg, Nino

Lidar operations: The lidar performed with minimal overheating issues. Marginal cloud cover at mid levels in beginning of the measurement period. Data were taken between 12:15-22:30 UT. (i.e. 0815a-1830p local time). Quicklook 5-min data is below, email john.t.sullivan@nasa.gov for high(er) quality figure. Surface o3 compares well with the lidar 300m data during the afternoon, and is plotted in the lowest data bin. However, there is an 15-20 ppbv enhancement in aloft lidar data that is observed at the surface, potentially caused by air mass recirculation. An o3-sonde, launched at 13:20LT, is also overlaid.

