GSFC TROPOZ report for 2017 July 26 operations

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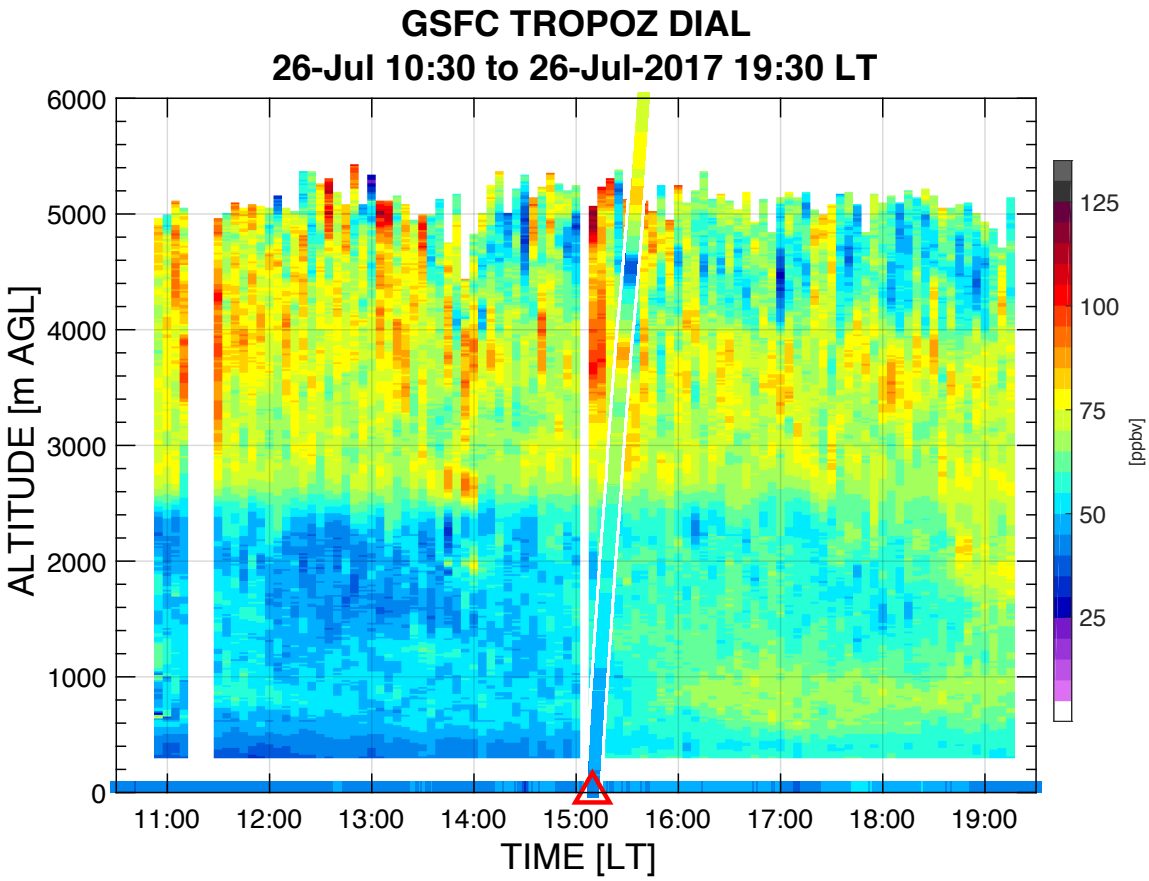
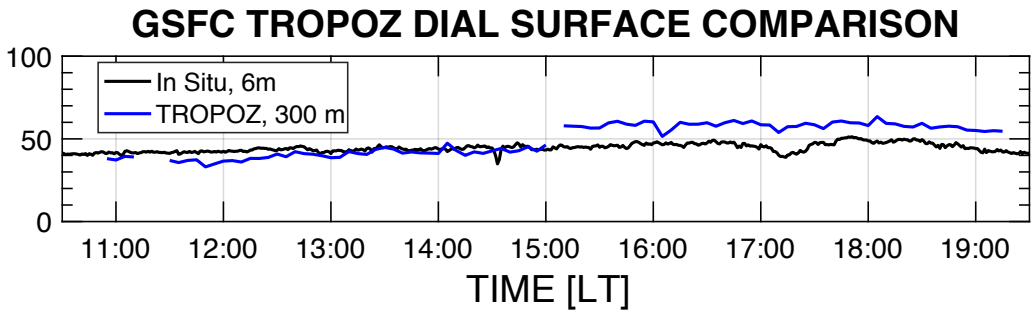
Sonde/Lidar operators at the GSFC Trailer at LaRC: Sullivan, Twigg, Nino

Lidar operations: The lidar performed with minimal overheating issues. Minimla cloud cover at mid levels in beginning of the measurement period. Data were taken between 14:55-23:30 UT. (i.e. 1045a-1930p 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 5-10 ppbv enhancement in aloft lidar data that is observed at the surface, potentially caused by air mass recirculation. An o3-sonde, launched at 15:20LT, is also overlaid.