

Pandora report for 2017 August 01

Contact: joseph.robinson@nasa.gov

Pandora/Data notes: Data for Pan32 at the LaRC CAPABLE site are not included as data quality cannot be assured at this time. While R0 data are archived, reprocessing (expected Jan 2018) should fix the issues and will be archived as R1. Data for Pan37 are R0 with R1 also expected Jan 2018. Data for both instruments sited at the CBBT, Pan19 and Pan40, are R1. Email joseph.robinson@nasa.gov for data inquiries or additional figures.

O₃ data have been filtered for uncertainty at a 1% level (i.e. those data whose uncertainty is larger than 1% (~3 DU) of the retrieved column density are excluded). NO₂ data have been filtered for uncertainty at a 5% level (~0.05 DU). Data with uncertainties larger than this may still be useful.

Time series notes: Error bars are the uncertainty of the retrieval in Dobson units.

Elevated NO₂ at LaRC compared to CBBT for much of the day. NO₂ data show agreement between Pan19 and Pan40. NO₂ plume in vicinity of CBBT at approximately 1730 local time is the result of shipping traffic; manuscript in preparation to investigate event (Gronoff et al.).

