

This directory contains the special processing of OMPS LP aerosol to track the Hunga-Tonga eruption at higher altitudes. This processing allows the retrieval to go up to 45km, compared to 38km for our operational product.

The directory /LP-L2-AER-AerExtxxxCurtain/ contains OMPS LP extinction coefficient orbital plots, at 510, 600, 675, 745, 869 and 997 nm wavelengths.

The directory /LP-L2-AER-ExtRatioxxxCurtain/ contains similar plots for the aerosol extinction ratio, analogous to an aerosol mixing ratio.

The directory /LP-L2-AER-DAILY/ contains the daily HDF files.

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Reference: Taha, G., Loughman, R., Zhu, T., Thomason, L., Kar, J., Rieger, L., and Bourassa, A.: OMPS LP Version 2.0 multi-wavelength aerosol extinction coefficient retrieval algorithm, Atmos. Meas. Tech., 14, 1015–1036, <https://doi.org/10.5194/amt-14-1015-2021>, 2021.