

The HYSPLIT backward trajectories started from altitudes of 10.3–10.5 km over Tomsk (56.48° N, 85.05° E) at 18:00 UTC on 16 July 2015.

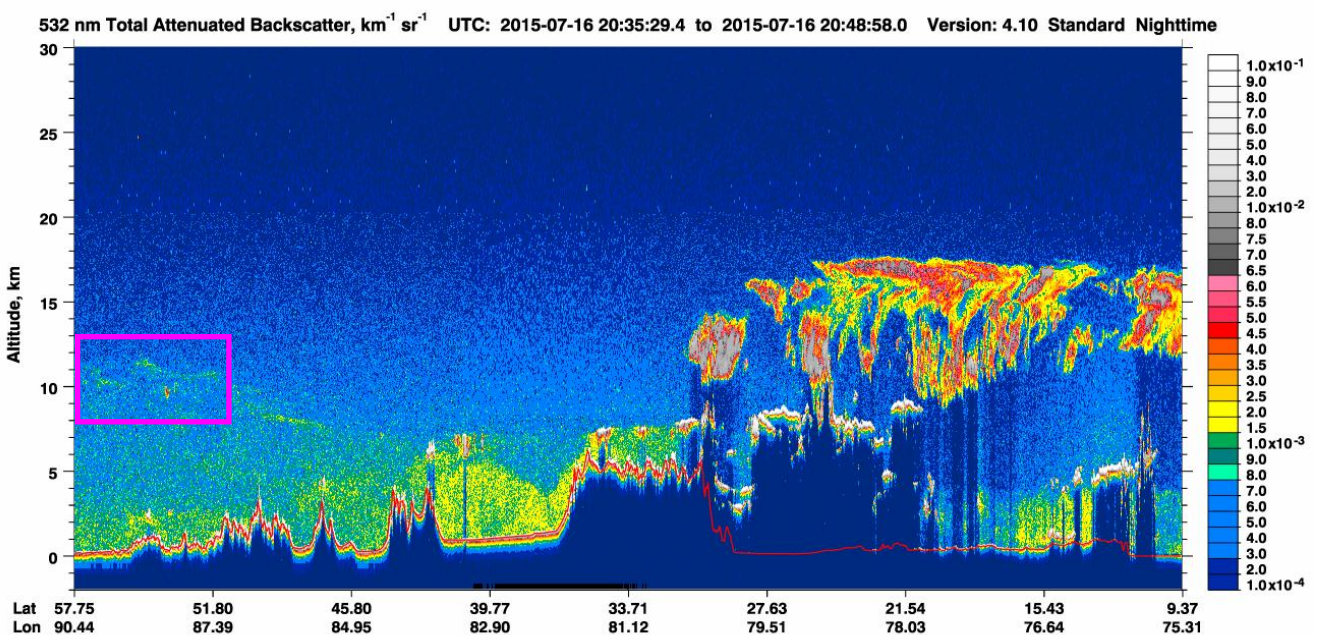
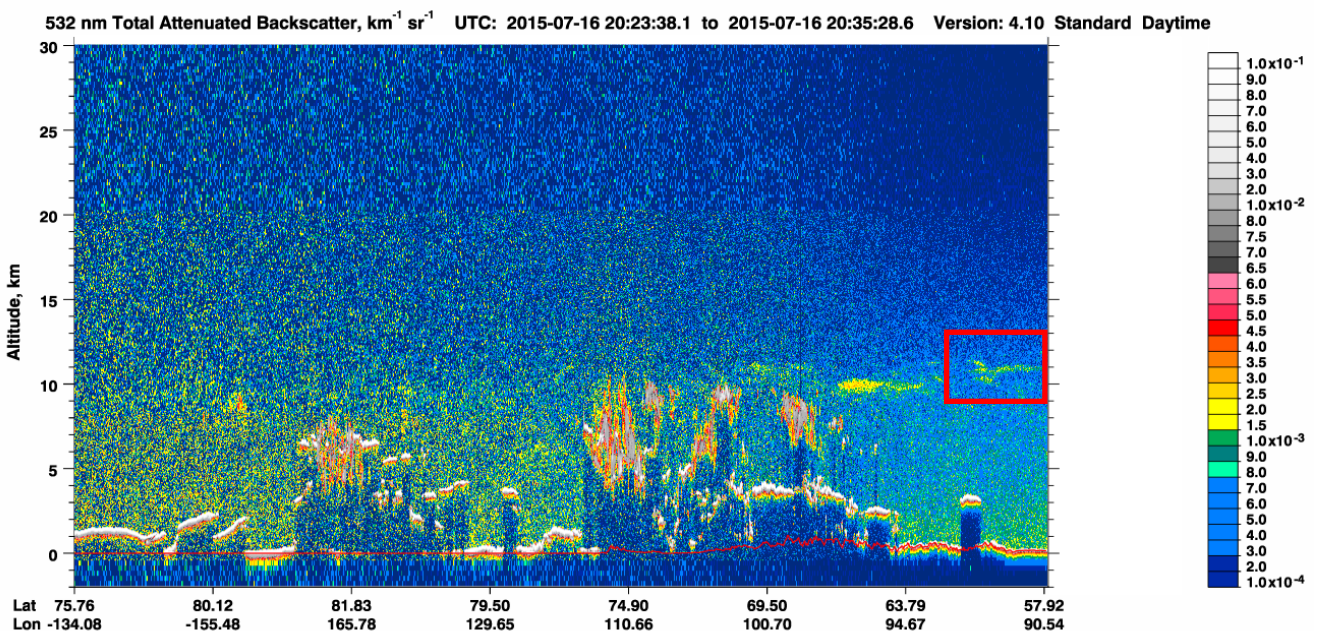
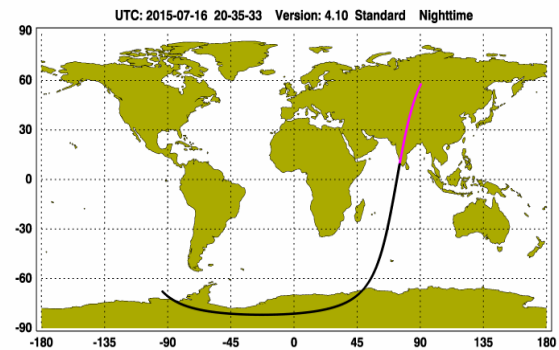
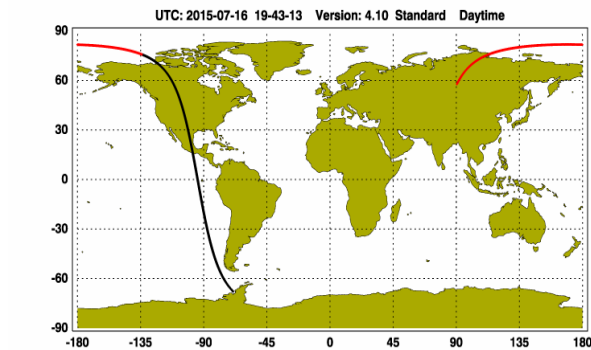
The closest to Tomsk daytime (**image four**) and nighttime (**image one**) CALIPSO orbit tracks, version 4.10

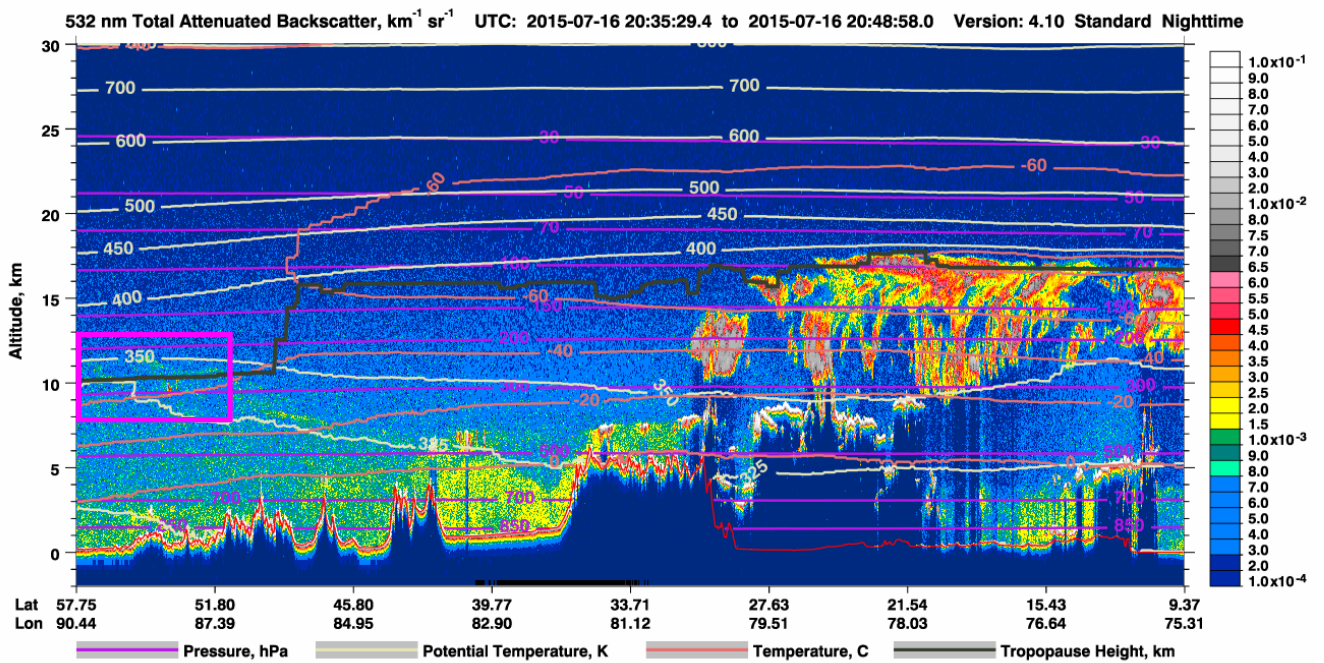
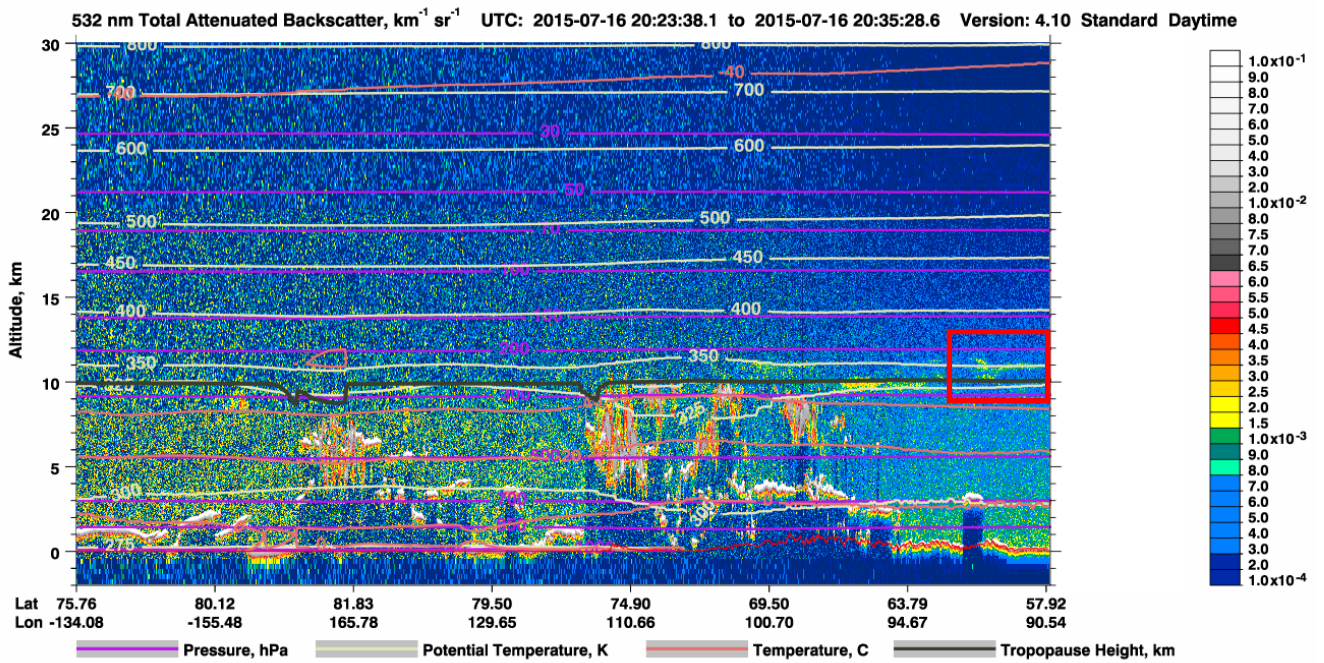
Daytime orbit track after lidar measurement in Tomsk:

https://www-calipso.larc.nasa.gov/products/lidar/browse_images/show_detail.php?s=production&v=V4-10&browse_date=2015-07-16&orbit_time=19-43-13&page=4&granule_name=CAL_LID_L1-Standard-V4-10.2015-07-16T19-43-13ZD.hdf

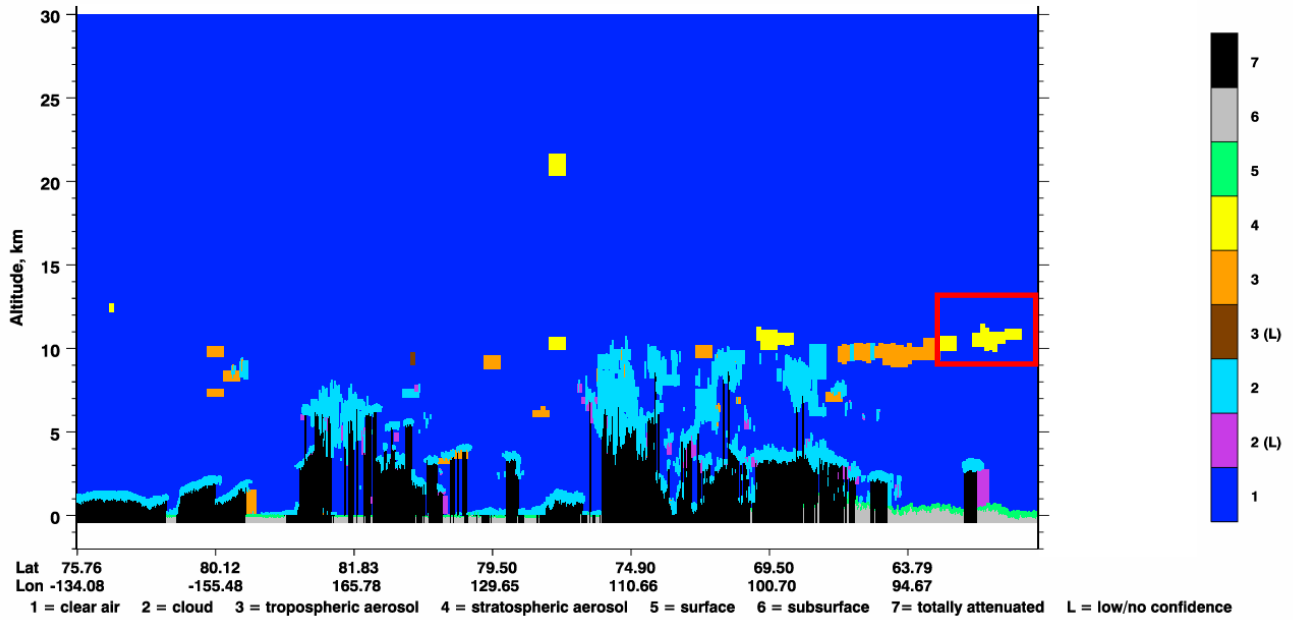
Nighttime orbit track after lidar measurement in Tomsk:

https://www-calipso.larc.nasa.gov/products/lidar/browse_images/show_detail.php?s=production&v=V4-10&browse_date=2015-07-16&orbit_time=20-35-33&page=1&granule_name=CAL_LID_L1-Standard-V4-10.2015-07-16T20-35-33ZN.hdf

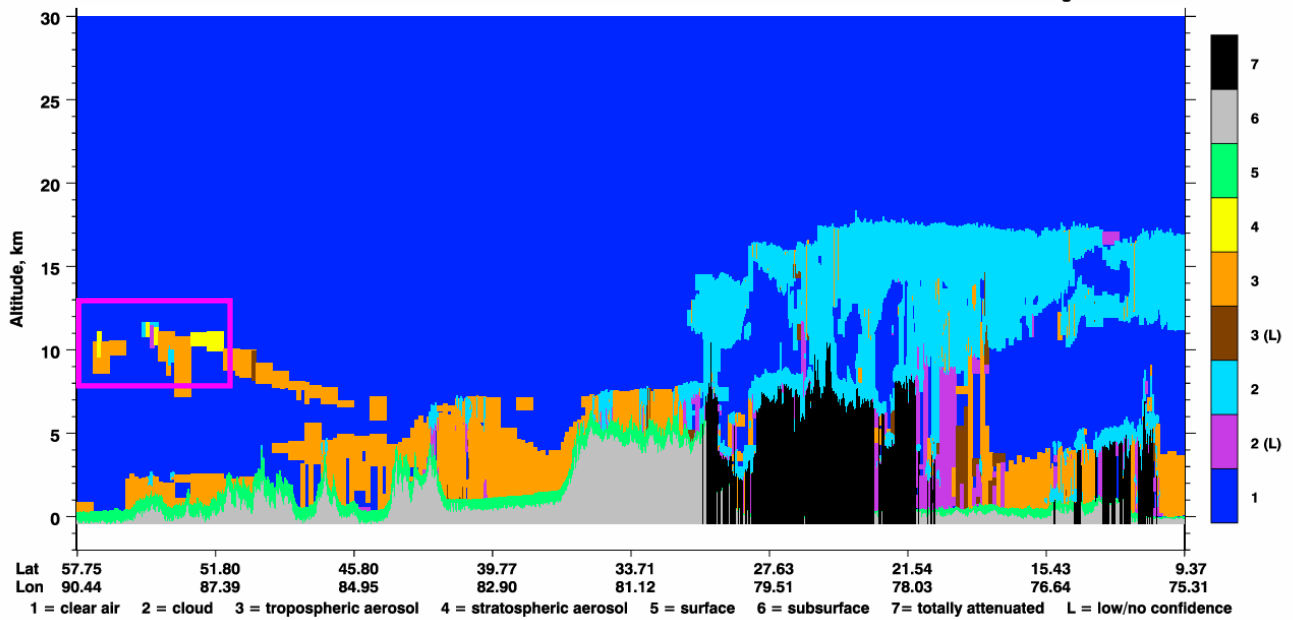


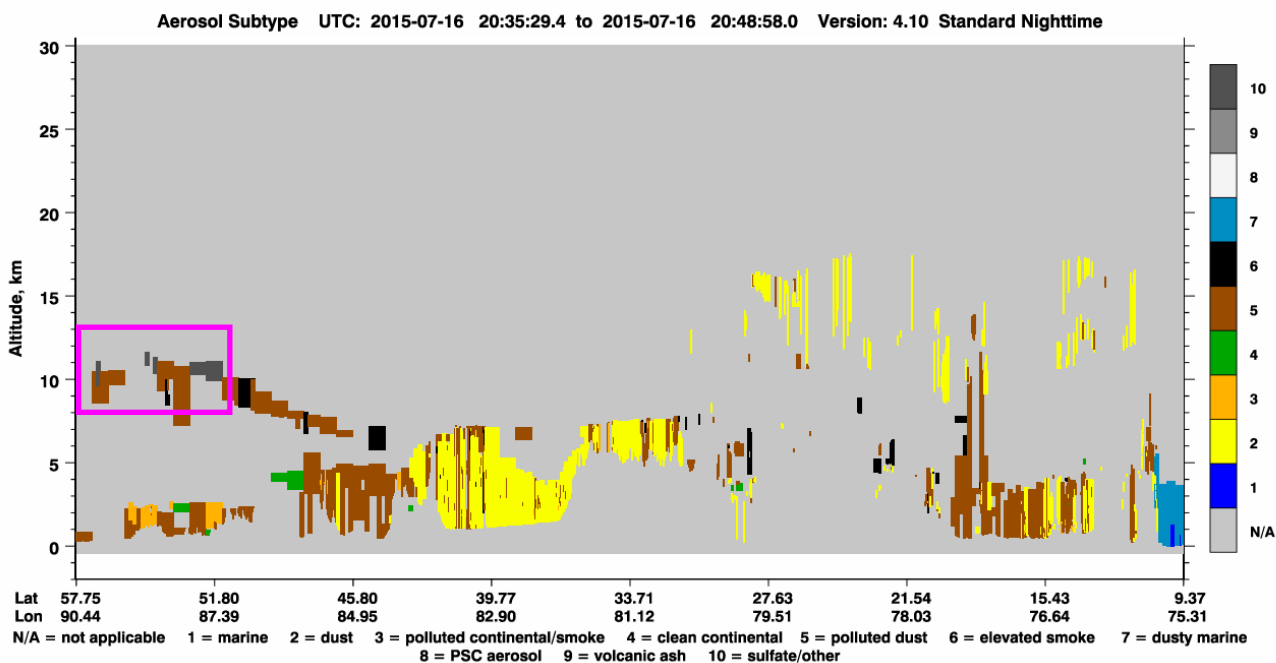
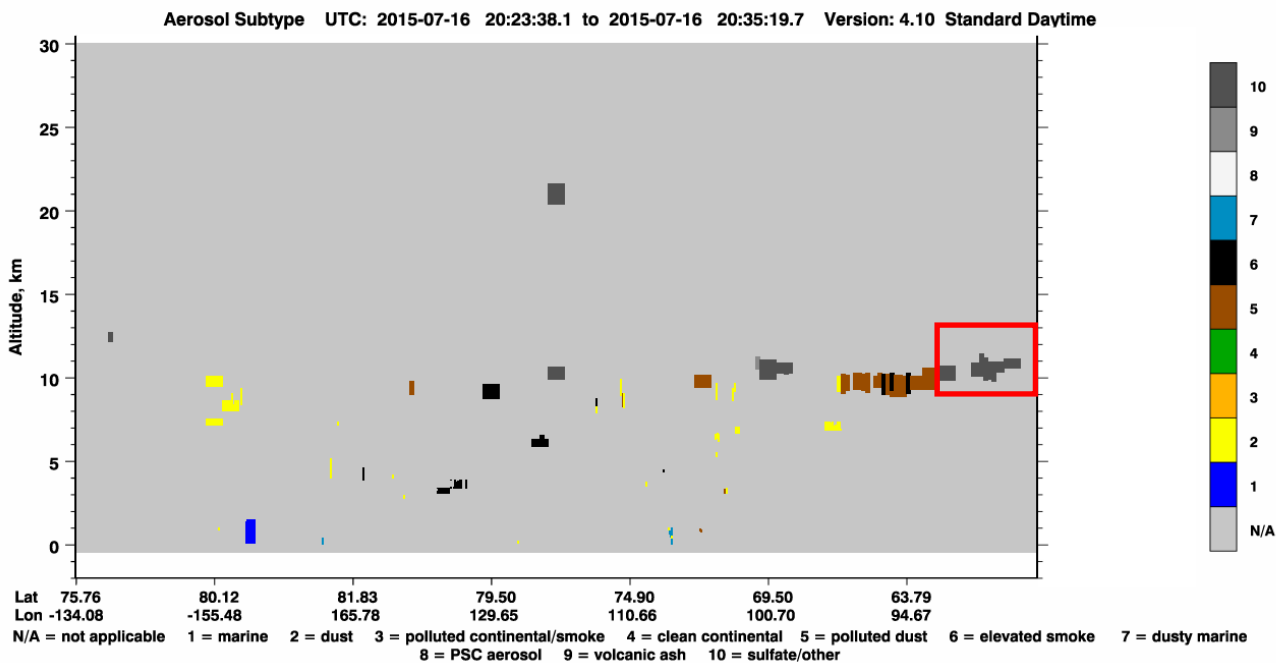


Vertical Feature Mask UTC: 2015-07-16 20:23:38.1 to 2015-07-16 20:35:19.7 Version: 4.10 Standard Daytime

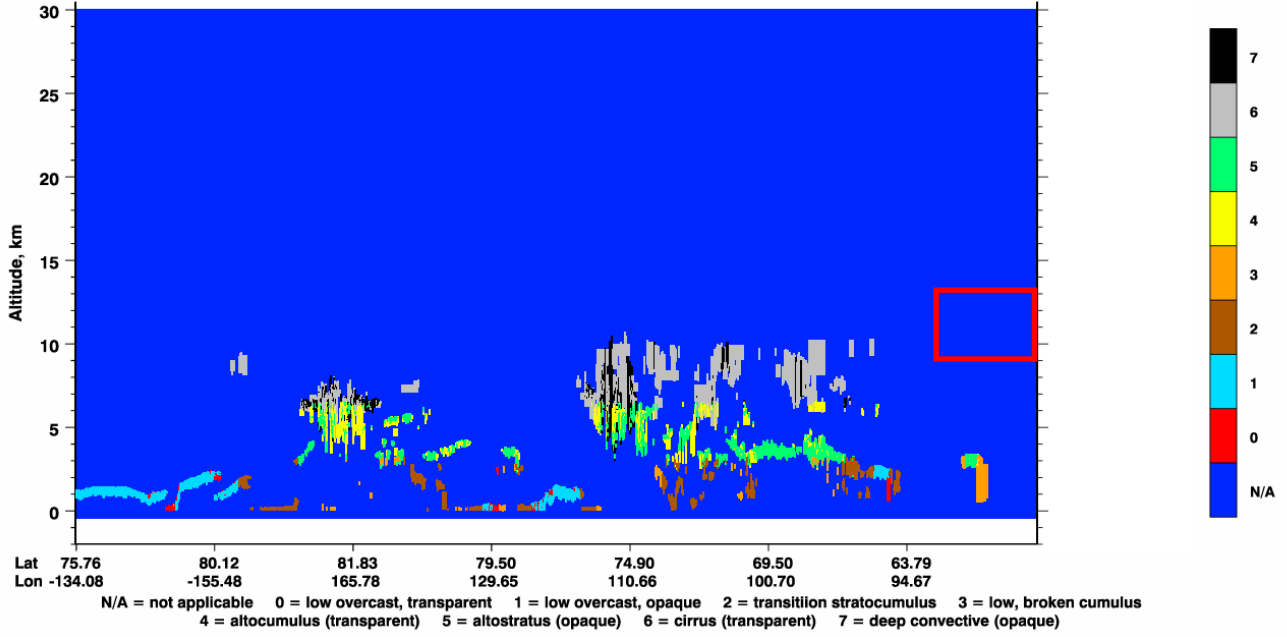


Vertical Feature Mask UTC: 2015-07-16 20:35:29.4 to 2015-07-16 20:48:58.0 Version: 4.10 Standard Nighttime





Cloud Subtype UTC: 2015-07-16 20:23:38.1 to 2015-07-16 20:35:19.7 Version: 4.10 Standard Daytime



Cloud Subtype UTC: 2015-07-16 20:35:29.4 to 2015-07-16 20:48:58.0 Version: 4.10 Standard Nighttime

