

LMOL report for 2021 September 27 operations ; University of Houston Campus

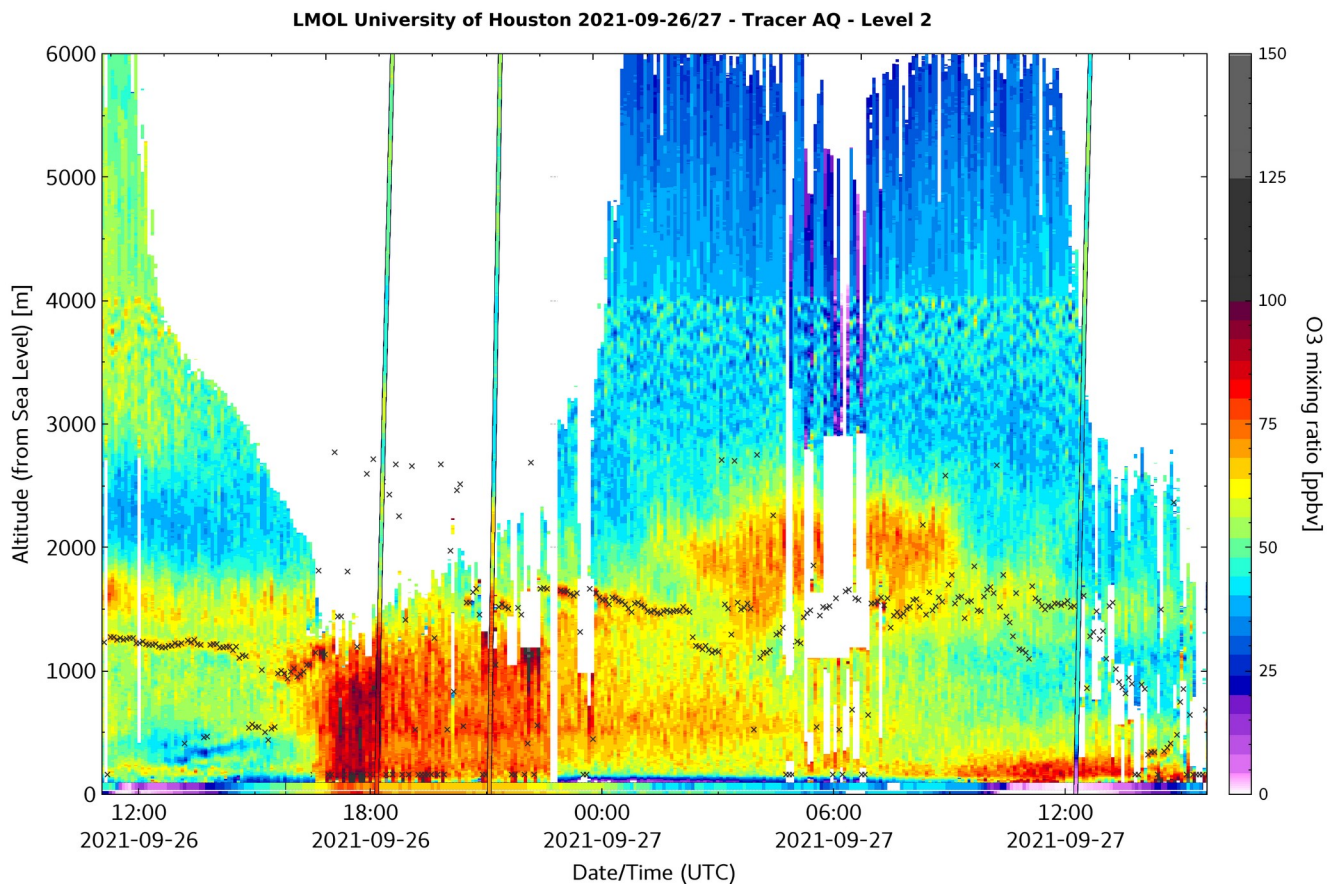
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Sonde operations: yes

Lidar operations

The lidar continued operations from September 26 and was stopped around 11LT/16 UTC when the cloud coverage prevented the normal operations.

The quick look is below, along from the ground data from Moody Tower and the Launch Trailer and the sondes.



This is a PRELIMINARY data plot that went through the first quality control.

Please contact us for a validated plot / data

other:

Remarks:

- GEOS data were used for this plot
- The little cross are a layer detection test. If they are above 100m altitude it means correction of the O3 curtain from the aerosol contamination has been successful. It will fail when there is too many clouds.
- An interesting high-O3 layer was detected around 100-300m at 12 UTC but not observed by the sonde. This is being investigated: the high amount of NO_x and maybe other pollutant may be affecting the measurements.