

# LMOL report for 2021 August 29 operations ; University of Houston Campus

Contact: [Guillaume.P.Gronoff@nasa.gov](mailto:Guillaume.P.Gronoff@nasa.gov) ; [Timothy.A.Berkoff@nasa.gov](mailto:Timothy.A.Berkoff@nasa.gov)

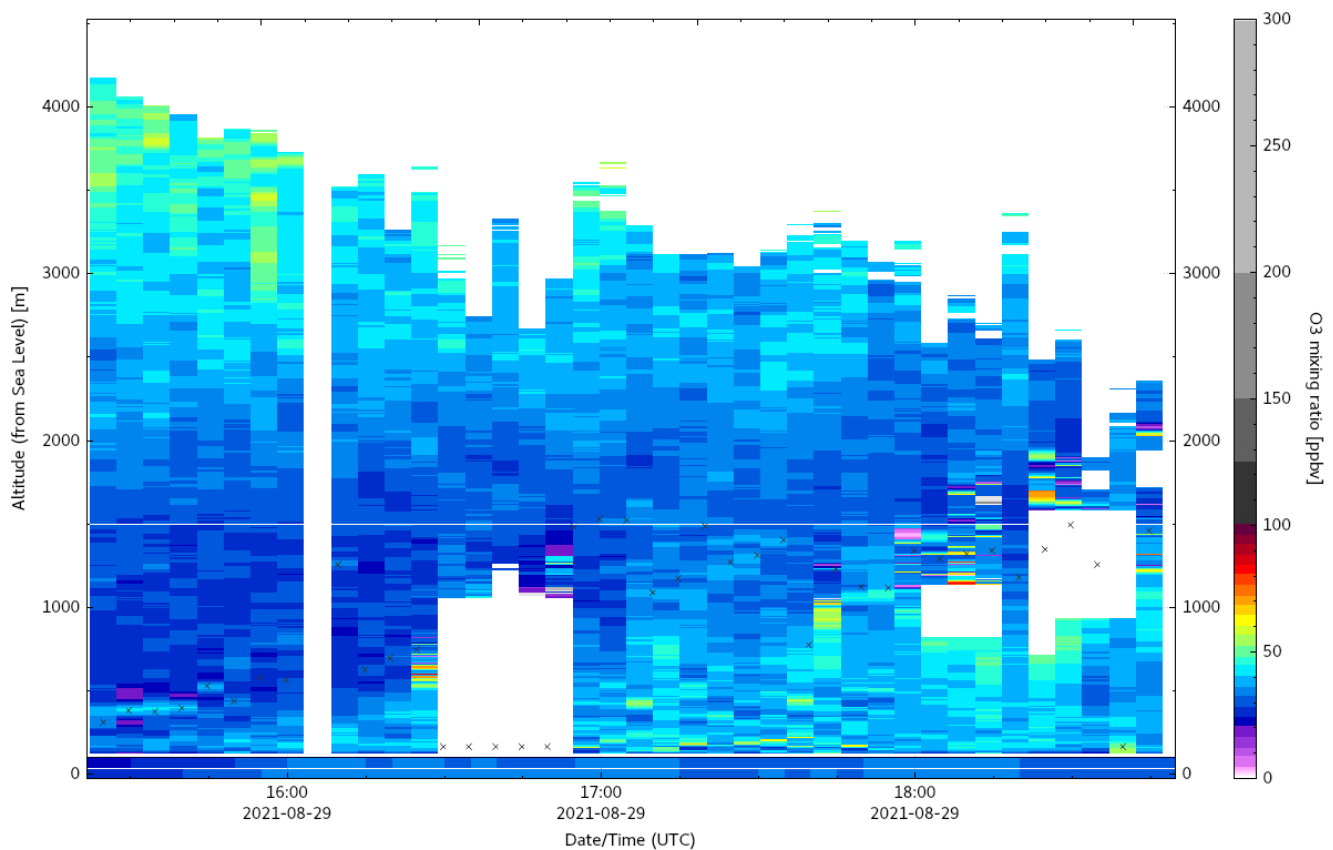
Sonde operations: none

## Lidar operations

The lidar was started around 10h00 LT / 15h00 UTC; it performed nominally until the afternoon when clouds became abundant. A near full coverage has been done in that time period, with perturbations coming from clouds.

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

LMOL University of Houston 2021-08-29 - Tracer AQ - Level 1



This is an UNOFFICIAL and PRELIMINARY data plot, extreme values, especially at high altitude and low altitude are not quality assured, not to be used for quantitative purposes. The sonde temperature/pressure data or GEOS pressure/temperature were not used in the making of this plot; which could creates systematic biases in the O<sub>3</sub> of the order of 10%.

**Please contact us for a validated plot / data**

## other:

Remarks:

- The little cross are a layer detection test. If they are above 100m altitude it means correction of the O<sub>3</sub> curtain from the aerosol contamination has been successful. It will fail when there is too many clouds.