

# LMOL report for 2017 July 13 operations

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**Lidar operators at the CBBT:** Guillaume Gronoff, Tim Berkoff

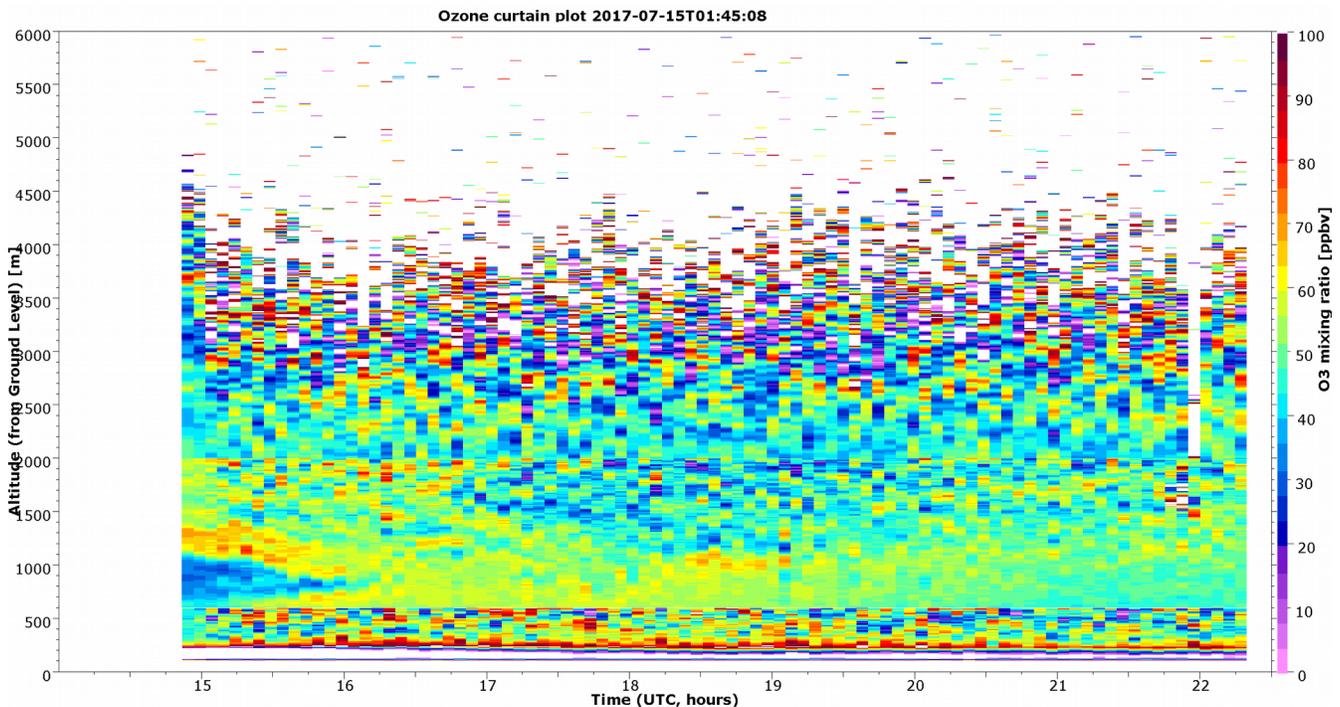
**Sonde operator:** Travis Knepp

## Lidar operations

The lidar performed nominally for the entire time period: a full coverage has been done between 15:00 to ~22h30 UT). (i.e. 11h-18h30 local time).

The first quick look is below.

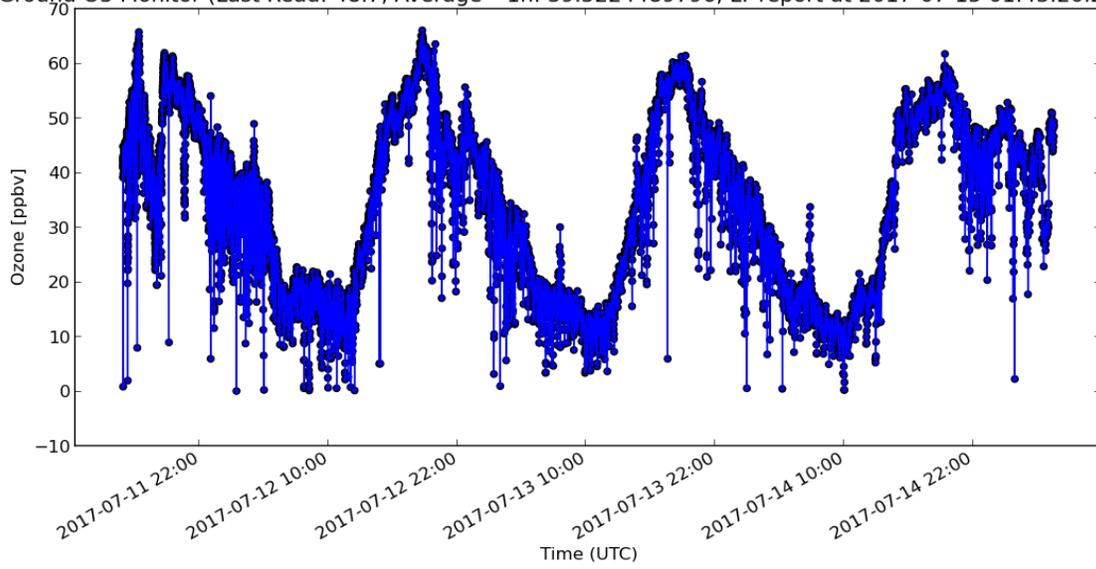
**This is an UNOFFICIAL and PRELIMINARY data plot, extreme values, especially at high altitude and low altitude are not to be believed, other problems may have occurred, the absolute values are very likely to change.** The sonde temperature/pressure data were not used in the making of this plot, the average was 5min.



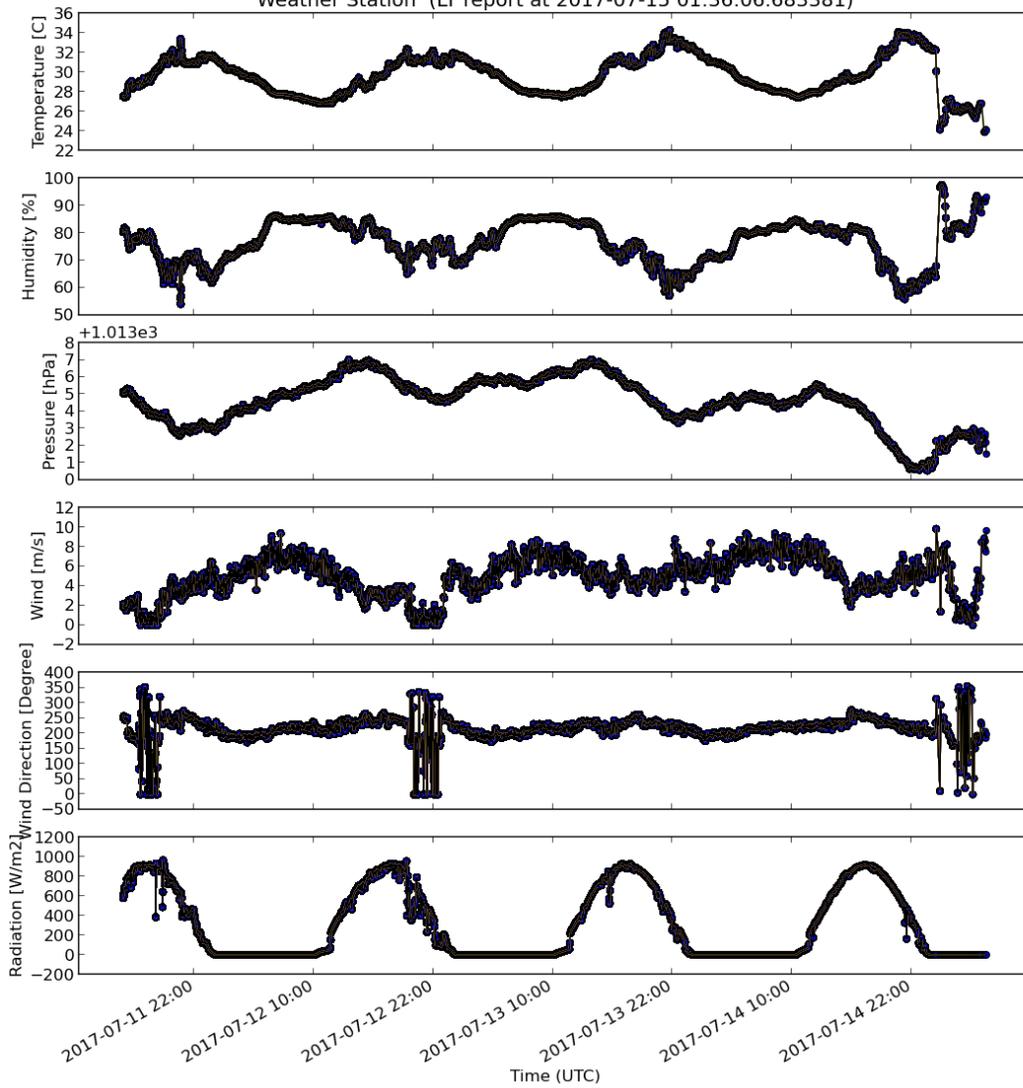
## Weather station and O3 monitor:

The weather station performed nominally. **UNOFFICIAL data plots below**  
The ground ozone monitor time are in local time.

Ground O3 Monitor (Last Read: 48.7, Average ~1h: 39.5224489796, LT report at 2017-07-15 01:43:20.219847)



Weather Station (LT report at 2017-07-15 01:36:06.683381)



## Other:

- 2 Ozonesonde launches at morning and afternoon.
- The ceilometer is running and giving data.
- The Davis station is reporting non-official data to internet on <http://www.weatherlink.com/user/lmollarc/> .

## Remarks:

Ice cubes have been used to cool down the lidar chiller. This greatly help the laser to stay at temperature and to transmit at consistent power.  
The N2 flow through the laser is dependent upon