

# LMOL report for 2017 July 12 operations

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

**Sonde operator:** Travis Knepp

**Ceilometer setup:** Travis Knepp

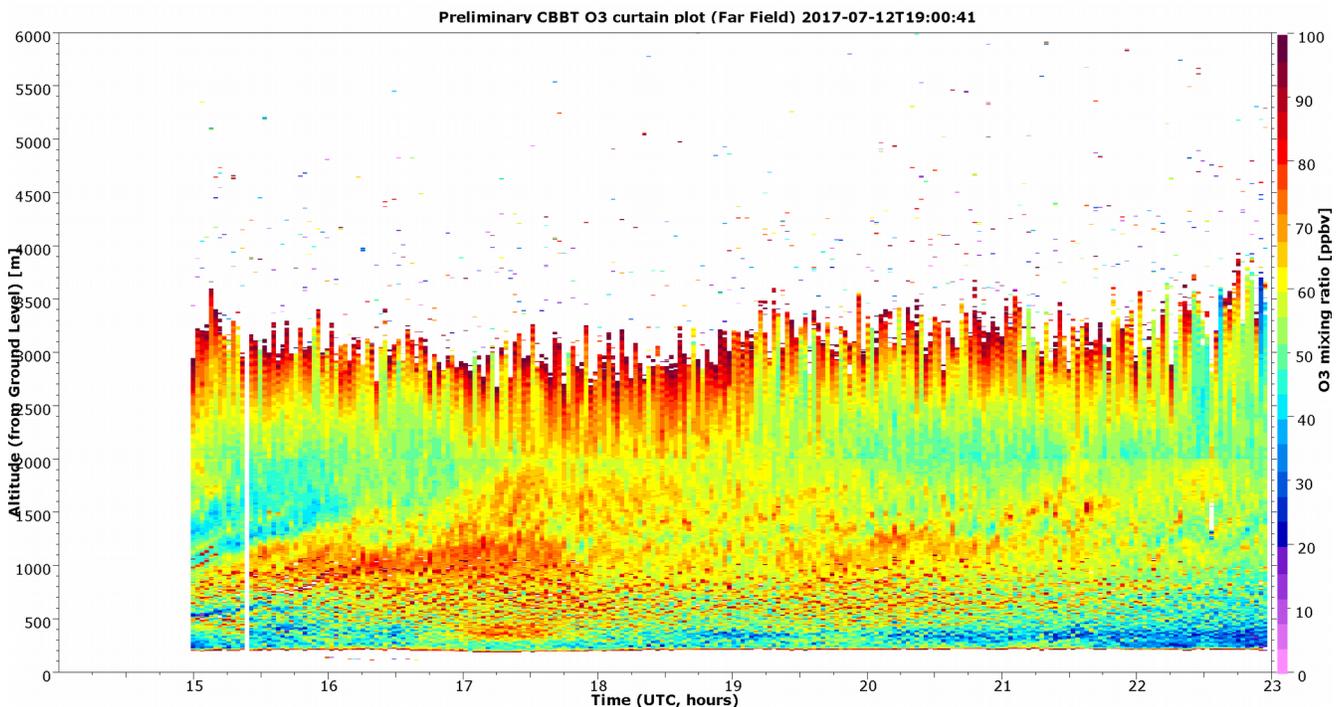
**Davis Weather Station:** Guillaume Gronoff

## Lidar operations

The lidar performed nominally for the entire time period: a full coverage has been done between 15:00 to ~23h UT). (i.e. 11h-19h local time).

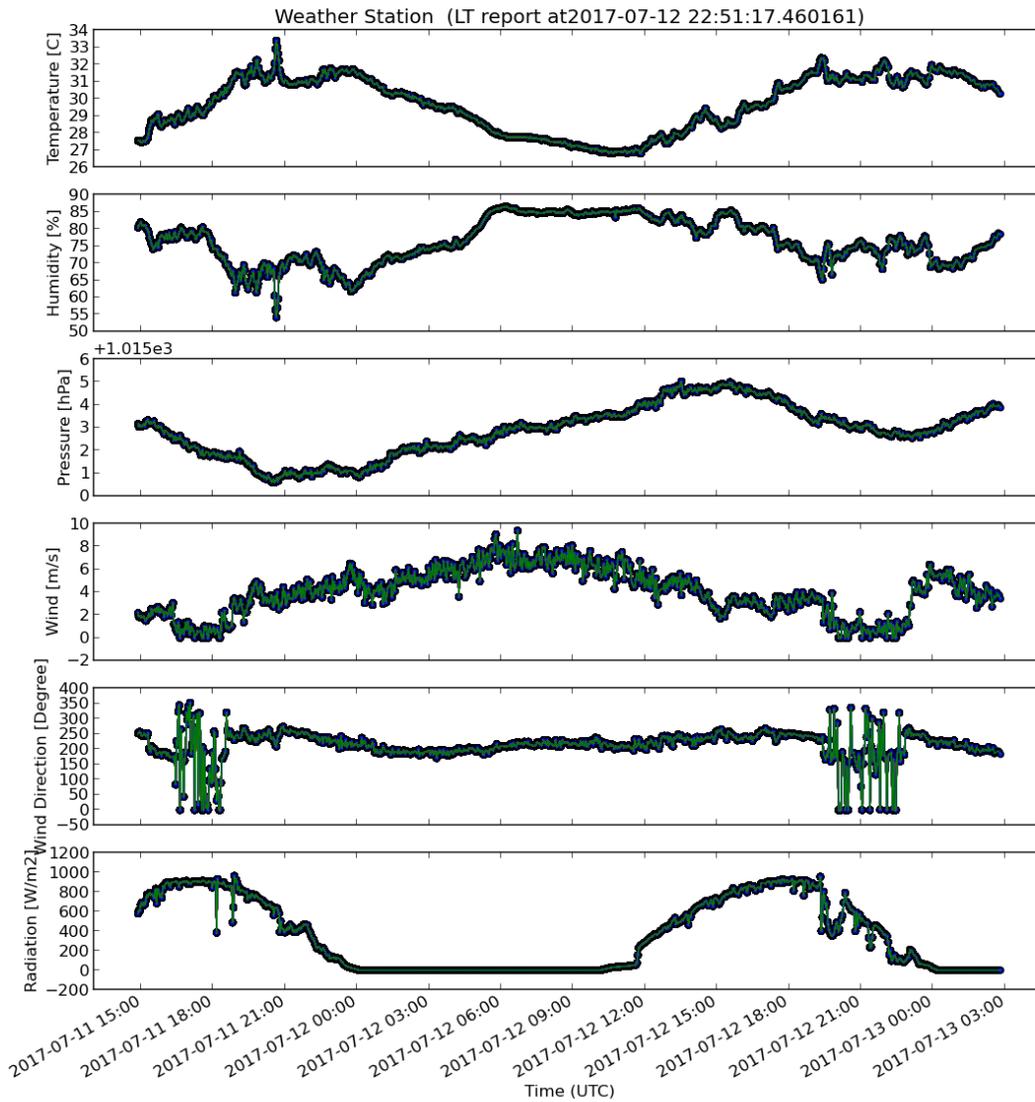
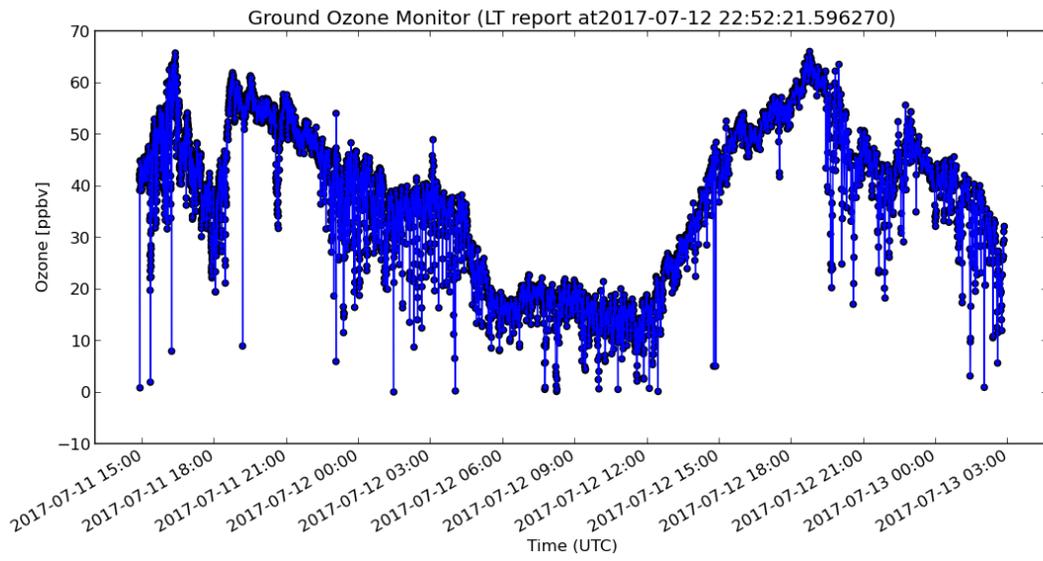
The first quick look is below.

**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 only 2min.



## Weather station and O3 monitor:

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



## Other:

- Sonde launches at 11h30 and an ozonesonde at 15h30 local time.
- 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 around 15h LT. This greatly help the laser to stay at temperature and to transmit at consistent power.