

# LMOL report for 2017 July 7 operations

**Contact:** Guillaume.P.Gronoff@nasa.gov

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

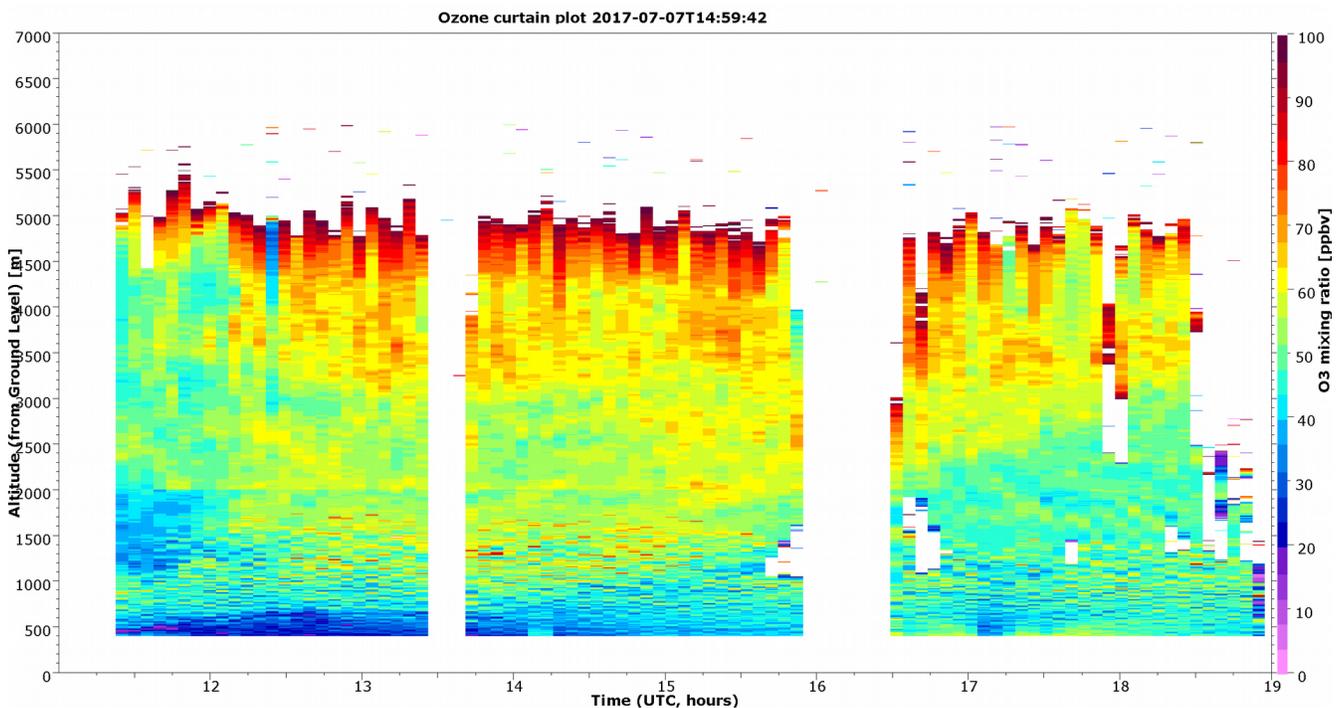
**Sonde operator:** Travis Knepp

## Lidar operations

The lidar performed nominally. Sporadic cloud cover, especially at the end of the acquisitions, prevented full coverage of the time period. Data were taken between 11:15-13:20 13:35-16:00 16:30-19h UT. (i.e. 7h15-15h local time).

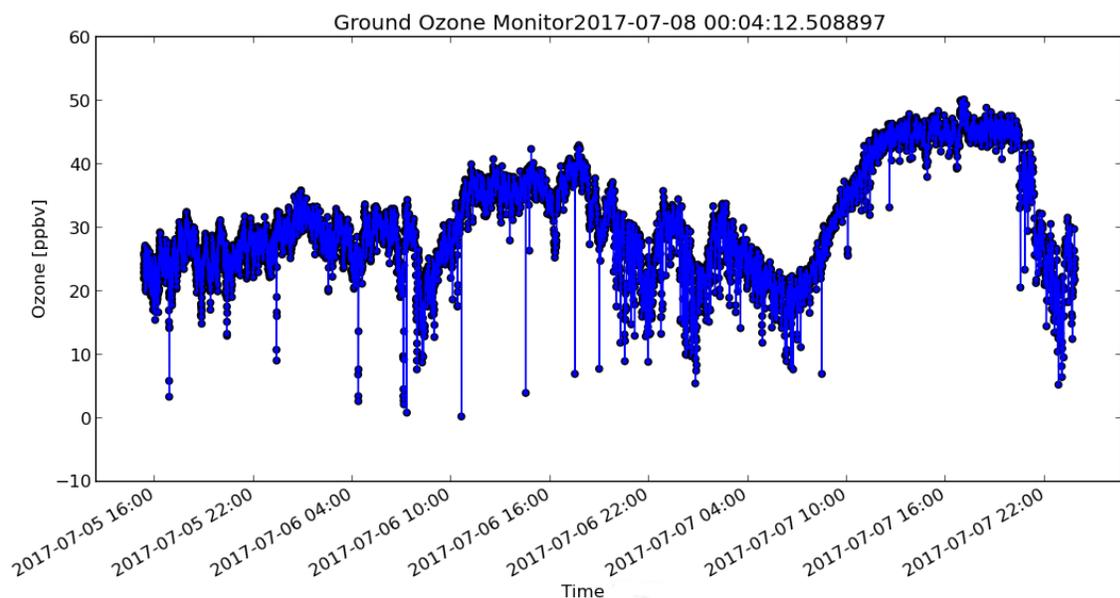
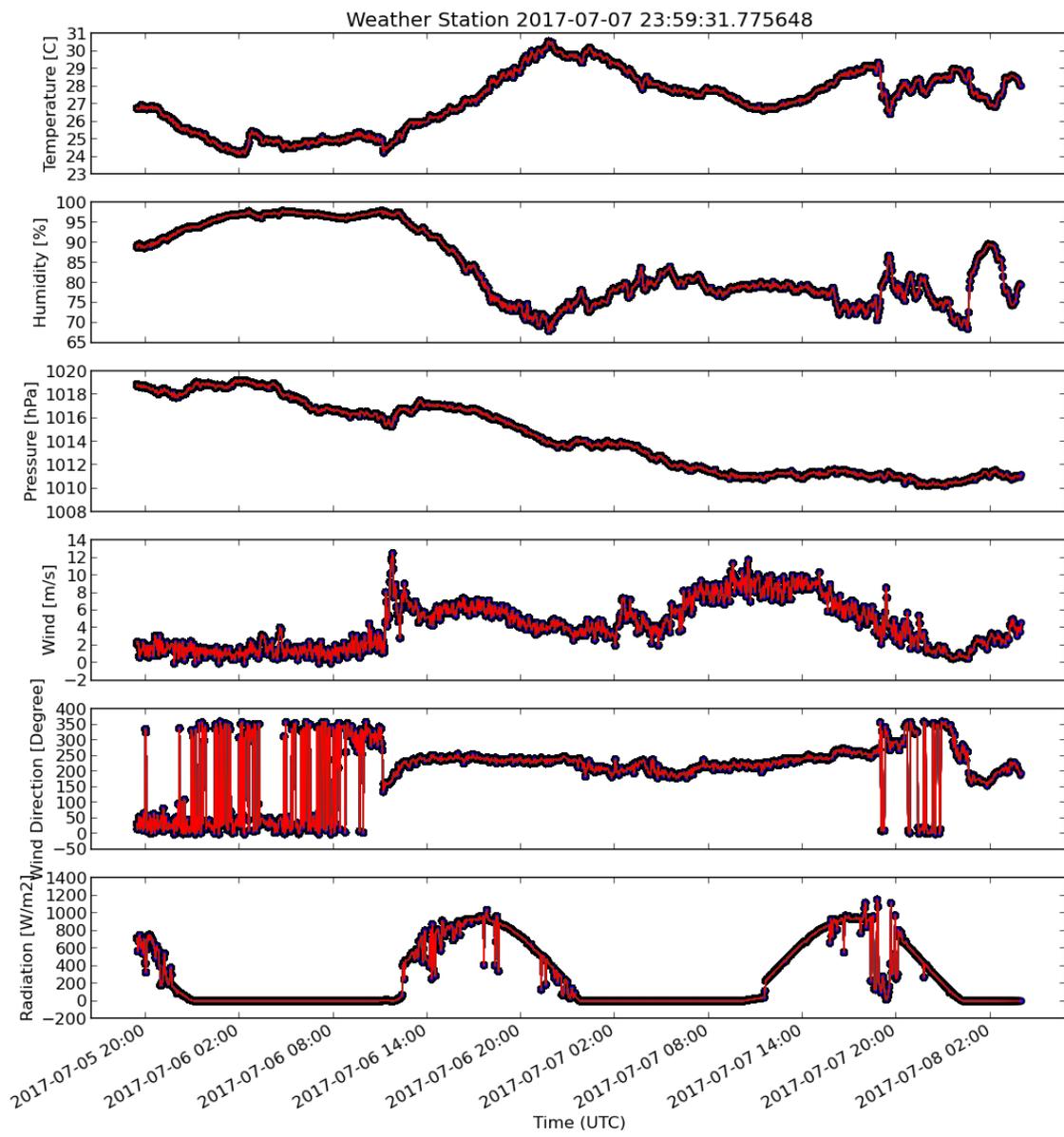
The first quicklook is below.

**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 sonde temperature/pressure data were not used in the making of this plot.



## 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 launch at 10:00 local time. A voltage error led to the loss of O3 data. The meteorological data were retrieved.
- The new “Davis” weather station was installed at the top of the trailer to evaluate its operation against the legacy one. The orientation and location were not optimized for accurate measurements (the 3<sup>rd</sup> island building shadows the station).