
Mauna Loa Solar Observatory Observer's Log

Tue Jul 21 16:52:53 GMT 2026

Year:26 Doy:202

Observer: mcotter

Weather COMMENT BY mcotter: Tue Jul 21 16:57:25 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-07-21 16:50:00

Temperature : 50.45 deg F

Dew Point : 4.39 deg F

Pressure : 679.01 mbar

Wind Speed : 4.92 mph

Wind Direction : 223.6 deg

Skies: The sky is completely overcast with Cirrostratus clouds. Clouds in the Saddle Valley up to approximately 10,000' elevation with fog, rain and drizzle up to approximately 9,000' elevation. Little to no wind. The inversion layer cannot be seen due to dense clouds at lower elevations in all directions.

____end____

GENERAL COMMENT BY mcotter: Tue Jul 21 16:59:20 GMT 2026

Due to poor sky conditions no observing can be done at this time and it is unlikely that observations can be accomplished today.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Jul 21 17:03:57 GMT 2026

The smoke detector located on the south wall of the PSPT dome was beeping when I came in this morning. I am unfamiliar with this newly installed device, but suspect it is a battery that has run low.

____end____

** GENERAL PM mcotter ** : Tue Jul 21 19:27:09 GMT 2026

Previously I reported that there was a smoke detector beeping when I came in this morning. Using a ladder, I looked at the unit and did not see any obvious battery compartment, but there is a button on the front of the unit that when I pressed it the beeping stopped. The button has some annotation stating that it is used for test purposes. When Ben came in I told him about the detector beeping and about pressing the button. He said that he had the instructions that came with the unit, we will review the information to see if the beeping was a prompt for a test of the unit, or a signal indicating that the unit needs maintenance.

____end____

BY mcotter: Tue Jul 21 19:30:15 GMT 2026

When using the ladder/lift this morning the battery died while engaging the lift. I now have the unit plugged in and charging.

We should put battery charging of this device on a regular weekly maintenance schedule.

____end____

Weather COMMENT BY mcotter: Wed Jul 22 00:05:26 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-07-21 23:59:00

Temperature : 48.74 deg F

Dew Point : 48.52 deg F

Pressure : 679.67 mbar

Wind Speed : 11.86 mph

Wind Direction : 11.2 deg

Skies: Fog, rain and drizzle currently at the observatory.

____end____

GENERAL COMMENT BY berkey: Wed Jul 22 01:27:44 GMT 2026

Network changes

UH MLO net radio power moved off of a power supply in Keeling and on to a power supply in the radio room (via extension cords leading off the east wall of NDACC building).

The MLSO network data path still runs through Keeling but a new cable has been laid between Barns and Uchida. The plan is to do some consulting with the UH network operators and then switch the network over to a new path in the next week or so.

____end____

Logger COMMENT BY berkey: Wed Jul 22 01:28:06 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____