
Mauna Loa Solar Observatory Observer's Log

Mon Oct 12 16:49:17 GMT 2026

Year:26 Doy:285

Observer: mcotter

Weather COMMENT BY mcotter: Mon Oct 12 16:52:49 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-10-12 16:47:00

Temperature : 37.79 deg F

Dew Point : -7.29 deg F

Pressure : 677.81 mbar

Wind Speed : 5.14 mph

Wind Direction : 245.8 deg

Skies: Fairly clear skies but very hazy air conditions with a dark blue gray inversion layer visible on the horizon above the level of Haleakala. The air is cold with a steady breeze blowing from the southeast.

____end____

GENERAL COMMENT BY mcotter: Mon Oct 12 17:02:45 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Mon Oct 12 17:02:50 GMT 2026

Dome open

____end____

** UCOMP PM mcotter ** : Mon Oct 12 17:02:58 GMT 2026

Blew off UCoMP 01

____end____

** KCOR PM mcotter ** : Mon Oct 12 17:03:08 GMT 2026

Blew off Kcor 01

____end____

Mon Oct 12 17:17:06 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Mon Oct 12 17:19:43 GMT 2026

Kcor:

The Kcor instrument is now observing and the initial synoptic images look very good.

____end____

GENERAL COMMENT BY mcotter: Mon Oct 12 18:57:18 GMT 2026

NOAA Construction Today:

The NOAA Facility construction crew has arrived on site and are beginning their work. Today they will be driving tractors across the lava as they assemble forms and perform back filling of the excavated area where the new NOAA tower and guide wires will be mounted. They informed me that they will be working on site all day, which in the past has meant well into the afternoon.

I asked that one of the crew to please knock on the door and inform me just prior to the work commencing so that I may stop the instrument and close the dome and dome area windows.

____end____

KCOR COMMENT BY mcotter: Mon Oct 12 18:59:22 GMT 2026

Kcor:

Due to NOAA Facility construction commencing soon I am going to run the calibration a little earlier than normally.

____end____

Mon Oct 12 19:00:03 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Oct 12 19:15:17 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Mon Oct 12 19:43:46 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-10-12 19:38:00

Temperature : 48.42 deg F

Dew Point : 16.68 deg F

Pressure : 679.22 mbar

Wind Speed : 6.49 mph

Wind Direction : 2.7 deg

Skies: The sky remains clear with the exception of Orographic clouds now present at lower elevations to the east, north and west.

____end____

Weather COMMENT BY mcotter: Mon Oct 12 21:26:34 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-10-12 21:20:00

Temperature : 47.39 deg F

Dew Point : 39.87 deg F

Pressure : 679.54 mbar

Wind Speed : 4.47 mph

Wind Direction : 294.9 deg

Skies: Orographic clouds have moved in from all directions and the entire sky is now heavily overcast at this time with wisps of fog blowing through the area of the observatory.

____end____

Weather COMMENT BY mcotter: Mon Oct 12 23:36:44 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-10-12 23:32:00

Temperature : 44.6 deg F

Dew Point : 43.55 deg F

Pressure : 678.59 mbar

Wind Speed : 11.41 mph

Wind Direction : 357.4 deg

Skies: The sky is completely overcast with heavy dense fog present at the observatory area.

____end____

BY mcotter: Mon Oct 12 23:39:51 GMT 2026

End Of Day:

Clear sky conditions this morning provided for good observing until NOAA Facility construction began in the mid morning, at which time the dome needed to be closed and observations halted.

____end____

Logger COMMENT BY mcotter: Mon Oct 12 23:39:52 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____