
Mauna Loa Solar Observatory Observer's Log

Mon Aug 10 16:45:08 GMT 2026

Year:26 Doy:222

Observer: mcotter

Weather COMMENT BY mcotter: Mon Aug 10 16:57:55 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-10 16:53:00

Temperature : 45.69 deg F

Dew Point : 32.14 deg F

Pressure : 681.5 mbar

Wind Speed : 0.67 mph

Wind Direction : 194.7 deg

Skies: The sky is clear, but it appears a little hazy. The inversion layer is visible on the horizon just at the tip of Hualalai. Little to no wind.

____end____

GENERAL COMMENT BY mcotter: Mon Aug 10 16:58:03 GMT 2026

Dome open

____end____

GENERAL COMMENT BY mcotter: Mon Aug 10 16:58:10 GMT 2026

Opened windows upstairs

____end____

** KCOR PM mcotter ** : Mon Aug 10 16:58:16 GMT 2026

Blew off Kcor 01

____end____

Mon Aug 10 17:05:16 GMT 2026 Kcor Focus/alignment program exited. I manually set the focus to 134.5 from 133.1.

KCOR BY mcotter: Mon Aug 10 17:10:10 GMT 2026

Kcor:

The Sun rises over the dome sill at 7:04 am HST.

Kcor now observing.

The sky appears a little hazy and bright, but the synoptic images look good.

____end____

KCOR BY mcotter: Mon Aug 10 17:14:15 GMT 2026

Kcor:

Aerosols are heavy and can be readily observed in the different images.

____end____

** KCOR PM mcotter ** : Mon Aug 10 17:43:58 GMT 2026

Blew off Kcor 01:

When the NRGF images came up (Level 0 also) there was a faint bullet hole feature at approximately the 12:00 o'clock and 2:00 o'clock area of the corona. Blowing off the 01 a second time seems to have removed this feature.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Mon Aug 10 18:34:56 GMT 2026 entry was edited Kcor circular acquisition error>

I caught the error the moment it happened, so I don't believe any unwanted data got through. The error happened at approximately 18:27:48 UT.

____end____

Weather COMMENT BY mcotter: Mon Aug 10 18:57:36 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-10 18:50:00

Temperature : 51.91 deg F

Dew Point : 36.14 deg F

Pressure : 682.09 mbar

Wind Speed : 4.03 mph

Wind Direction : 322.0 deg

Skies: The continues to remain mostly clear with just a few small clouds scattered on the southern horizon,

Aerosols are extremely high and very prevalent in the images.

____end____

Weather COMMENT BY mcotter: Mon Aug 10 19:12:17 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-10 19:02:00

Temperature : 52.25 deg F

Dew Point : 38.6 deg F

Pressure : 682.14 mbar

Wind Speed : 4.03 mph

Wind Direction : 327.9 deg

Skies: Orographic clouds are beginning to come over the western slope of Maunaloa. Additionally, clouds have come over the southern slope of Maunaloa and are currently scattered across the eastern sky with some of them entering the viewing area.

____end____

KCOR BY mcotter: Mon Aug 10 19:13:09 GMT 2026

Kcor:

Observations have been stopped due to clouds in the viewing area.

____end____

KCOR BY mcotter: Mon Aug 10 19:27:29 GMT 2026

Kcor:

Kcor is observing again, but there are clouds in the vicinity of the viewing area so I may end up pausing and restarting observations as conditions change.

____end____

KCOR COMMENT BY KCOR: Mon Aug 10 19:49:40 GMT 2026

KCOR file transfer report

KCor created 524 .bin files

520 .fts files

NOTICE ? 4 .bin file(s) with no matching .fts:

20260810_182803_kcor.bin

20260810_191027_kcor.bin

20260810_191804_kcor.bin

20260810_192814_kcor.bin

Remote site is complete ? no rsync required.

____end____

Weather COMMENT BY mcotter: Mon Aug 10 19:58:43 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-08-10 19:53:00

Temperature : 52.56 deg F

Dew Point : 41.23 deg F

Pressure : 682.26 mbar

Wind Speed : 6.71 mph

Wind Direction : 295.2 deg

Skies: Clouds have moved in from the west and south and the sky has become mostly overcast.

____end____

GENERAL COMMENT BY mcotter: Mon Aug 10 20:00:47 GMT 2026

The dome windows and dome have been closed due to poor sky conditions.

The Kcor and SGS instruments and computers have been powered down and the ILX has been turned off in an effort to reserve battery power.

____end____

Weather COMMENT BY mcotter: Mon Aug 10 21:28:54 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-10 21:23:00

Temperature : 57.09 deg F

Dew Point : 40.23 deg F

Pressure : 681.97 mbar

Wind Speed : 10.74 mph

Wind Direction : 55.0 deg

Skies: The sky continues to be mostly overcast.

The wind has increased considerably from earlier and it is blowing gustily from the northeast.

____end____

BY mcotter: Tue Aug 11 02:18:10 GMT 2026

End Of Day:

Some decent observing in the early morning, but clouds came in quickly by mid morning and ended observations.

____end____

Logger COMMENT BY mcotter: Tue Aug 11 02:18:18 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____