
Mauna Loa Solar Observatory Observer's Log

Tue Aug 11 16:39:49 GMT 2026

Year:26 Doy:223

Observer: mcotter

Weather COMMENT BY mcotter: Tue Aug 11 16:43:48 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-11 16:35:00

Temperature : 43.45 deg F

Dew Point : -2.42 deg F

Pressure : 680.24 mbar

Wind Speed : 8.95 mph

Wind Direction : 146.3 deg

Skies: Cirrus clouds are completely covering the sky from horizon to horizon. The inversion layer is a dark blue gray and is visible on the horizon just above Hualalai. Moderate wind blowing from the southeast. The air appears hazy at all elevations.

____end____

GENERAL COMMENT BY mcotter: Tue Aug 11 16:46:41 GMT 2026

Due to poor sky conditions the instrument and computer will remain off and the dome will remain closed. The ILX will remain on for now in the remote chance that sky conditions improve later in the day, but at this point it seems unlikely.

____end____

GENERAL COMMENT BY mcotter: Tue Aug 11 19:20:25 GMT 2026 entry was edited

Dome open

____end____

Weather COMMENT BY mcotter: Tue Aug 11 20:13:44 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-11 20:08:00

Temperature : 57.02 deg F

Dew Point : 12.31 deg F

Pressure : 681.26 mbar

Wind Speed : 16.78 mph

Wind Direction : 17.6 deg

Skies: There are still some Cirrus clouds present in the sky but the viewing area appears fairly clear.

____end____

Tue Aug 11 20:14:22 GMT 2026 Kcor Focus/alignment program exited. The focus was manually set to 134.5 from 133.2.

KCOR COMMENT BY mcotter: Tue Aug 11 20:23:02 GMT 2026

Kcor:

Sky conditions have improved greatly since the start of day. Some Cirrus clouds are still present, but the viewing area of the sky appears fairly clear. The synoptic images are a bit bright but overall fairly acceptable. Aerosols are very heavy and quite noticeable in the Level 0 and NRGF images.

____end____

KCOR COMMENT BY mcotter: Tue Aug 11 20:39:11 GMT 2026

Kcor:

The NRGF images at 20:22:11 UT and at 20:30:02 UT show a brief jump near the north-northwest area of the occulter. I looked at the Level 0 images and could also see an oscillation of the occulter at the same time stamps. The aerosols are very high and the general sky conditions are very bright so this may account for this anomaly.

____end____

Weather BY mcotter: Tue Aug 11 20:41:25 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-11 20:35:00

Temperature : 54.91 deg F

Dew Point : 28.46 deg F

Pressure : 681.26 mbar

Wind Speed : 11.63 mph

Wind Direction : 299.1 deg

Skies: Most of the Cirrus clouds from earlier this morning has burned off, but there no

w appears to be a thin translucent covering of Cirrostratus clouds covering patches of the sky.

____end____

KCOR COMMENT BY mcotter: Tue Aug 11 20:48:27 GMT 2026

Kcor:

The instrument has been paused due to bright sky conditions in the viewing area.

There appears to be a thin, translucent layer of Cirrostratus clouds in different areas of the sky. I will continue to make observations as much as sky conditions allow.

____end____

Weather COMMENT BY mcotter: Tue Aug 11 22:58:16 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-11 22:50:00

Temperature : 58.78 deg F

Dew Point : 25.79 deg F

Pressure : 681.01 mbar

Wind Speed : 15.66 mph

Wind Direction : 51.1 deg

Skies: The sky continues to have a thin layer of Cirrostratus covering it at this time. The wind has increased and is blowing gustily from the northeast.

____end____

GENERAL COMMENT BY mcotter: Tue Aug 11 23:01:48 GMT 2026

Due to poor sky conditions no observing is being done at this time, but the dome remains open in the event the sky clears enough for observations.

Due to the gusty wind conditions the dome has been rotated 180 degrees to inhibit wind shake and help prevent dust from getting into the instruments.

____end____

KCOR COMMENT BY KCOR: Wed Aug 12 00:53:43 GMT 2026

KCOR file transfer report

KCor created 354 .bin files

349 .fts files

NOTICE ? 5 .bin file(s) with no matching .fts:

20260811_203621_kcor.bin

20260811_204615_kcor.bin

20260811_205038_kcor.bin

20260811_210753_kcor.bin

20260812_005240_kcor.bin

Remote site is complete ? no rsync required.

____end____

GENERAL COMMENT BY mcotter: Wed Aug 12 01:09:26 GMT 2026

Comment:

The sky remains overcast and it does not appear to be clearing.

The dome has been closed.

The Kcor and SGS instruments and computers and the ILX have been powered down in order to reserve power in the batteries.

____end____

BY mcotter: Wed Aug 12 01:52:21 GMT 2026

End Of Day:

Poor sky conditions for most of the day with a brief period of observations in the morning.

____end____

Logger COMMENT BY mcotter: Wed Aug 12 01:52:33 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____