
Mauna Loa Solar Observatory Observer's Log

Fri Aug 21 16:59:15 GMT 2026

Year:26 Doy:233

Observer: mcotter

Weather COMMENT BY mcotter: Fri Aug 21 17:01:41 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 16:56:00

Temperature : 48.09 deg F

Dew Point : 23.66 deg F

Pressure : 681.96 mbar

Wind Speed : 11.63 mph

Wind Direction : 169.4 deg

Skies: Cumulus clouds scattered across the horizon in all directions with clear skies overhead. Dark blue gray inversion layer visible on the horizon above Haleakala. The air appears slightly hazy. Moderate wind from the southeast.

____end____

GENERAL COMMENT BY mcotter: Fri Aug 21 17:01:53 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Fri Aug 21 17:01:59 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Fri Aug 21 17:02:06 GMT 2026

Blew off Kcor O1

____end____

Fri Aug 21 17:12:08 GMT 2026 Kcor Focus/alignment program exited. Focus manually set to 134.5 from 132.5. When starting the Focus routine the occulter was leaking light, so I manually adjusted the Guider Zero-Point Offset to the following:

X(RA): -19

Y(Dec): 22

After this adjustment the occulter centered properly and the Focus routine ran as normal.

KCOR BY mcotter: Fri Aug 21 17:15:43 GMT 2026

Kcor:

The Kcor instrument is now observing. Synoptic images look good.

____end____

CME Retraction COMMENT BY mcotter: Fri Aug 21 17:53:20 GMT 2026

17:25:02 271.50 deg CME has been retracted by the observer.

I have been watching this very bright prominence since starting observations this morning, but I am not convinced that it is an actual CME at this time.

I will continue to monitor this prominence and make updates as necessary.

____end____

Weather COMMENT BY mcotter: Fri Aug 21 18:43:26 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 18:38:00

Temperature : 54.75 deg F

Dew Point : 40.2 deg F

Pressure : 682.51 mbar

Wind Speed : 10.96 mph

Wind Direction : 129.3 deg

Skies: Orographic clouds are starting to come up over Maunaloa from the southeast at this time.

____end____

Weather COMMENT BY mcotter: Fri Aug 21 20:00:31 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 19:56:00

Temperature : 59.38 deg F

Dew Point : 34.89 deg F

Pressure : 682.79 mbar

Wind Speed : 10.74 mph
Wind Direction : 118.1 deg

Skies: Orographic clouds have made there way up the western slope of Maunaloa and are now getting close to the observatory area.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Fri Aug 21 20:16:59 GMT 2026

Kcor circular acquisition error:

The error occurred at approximately 19:43 UT to 20:12 UT.

____end____

Fri Aug 21 20:18:22 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri Aug 21 20:33:16 GMT 2026 KCOR End Calibration Script

CME Retraction COMMENT BY mcotter: Fri Aug 21 20:57:14 GMT 2026

19:35:30 UT 271.50 deg CME has been retracted by the observer.

This CME is in the same exact spot as a CME that was automatically reported earlier today at 17:25:02 UT, which was also retracted.

At this time I cannot with absolute clarity confirm that an actual CME is taking place.

This area of the Sun is quite active and currently shows bright prominences in this location.

____end____

Weather COMMENT BY mcotter: Fri Aug 21 21:00:08 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 20:56:00

Temperature : 56.89 deg F

Dew Point : 43.75 deg F

Pressure : 683.15 mbar

Wind Speed : 3.8 mph

Wind Direction : 148.7 deg

Skies: There are Orographic clouds encroaching on the area of the observatory from the north and west, with additional Orographic clouds present to the south over the crest of Maunaloa.

Aerosols are getting heavy.

____end____

Weather COMMENT BY mcotter: Fri Aug 21 21:36:50 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 21:29:00

Temperature : 61.07 deg F

Dew Point : 43.12 deg F

Pressure : 683.04 mbar

Wind Speed : 8.5 mph

Wind Direction : 359.0 deg

Skies: Clouds have moved into the viewing area.

____end____

KCOR COMMENT BY mcotter: Fri Aug 21 21:37:26 GMT 2026

Kcor:

Observations have stopped due to poor sky conditions.

____end____

GENERAL COMMENT BY mcotter: Fri Aug 21 21:45:33 GMT 2026

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

The sky has quickly become overcast with gray Orographic clouds from the west.

____end____

Weather COMMENT BY mcotter: Fri Aug 21 22:00:56 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-21 21:56:00

Temperature : 56.95 deg F

Dew Point : 48.67 deg F

Pressure : 682.87 mbar
Wind Speed : 8.5 mph
Wind Direction : 332.2 deg

Skies: The sky is now mostly overcast with wisps of fog blowing through the area of the observatory from the northwest.

____end____

KCOR COMMENT BY KCOR: Fri Aug 21 22:23:52 GMT 2026

KCOR file transfer report

KCor created 1041 .bin files

1039 .fts files

NOTICE ? 2 .bin file(s) with no matching .fts:

20260821_201118_kcor.bin

20260821_213612_kcor.bin

Remote site is complete ? no rsync required.

____end____

BY mcotter: Sat Aug 22 01:33:48 GMT 2026

End Of Day:

I thought that the sky was going to clear up this afternoon, but unfortunately it did not.

Good observations this morning until late morning when clouds came in and sky conditions were too poor to observe.

____end____

Logger COMMENT BY mcotter: Sat Aug 22 01:33:55 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____