
Mauna Loa Solar Observatory Observer's Log

Sat Aug 29 16:53:56 GMT 2026

Year:26 Doy:241

Observer: mcotter

Weather COMMENT BY mcotter: Sat Aug 29 17:18:32 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-29 17:11:00

Temperature : 50.43 deg F

Dew Point : 24.21 deg F

Pressure : 680.67 mbar

Wind Speed : 3.13 mph

Wind Direction : 136.1 deg

Skies: Clouds, fog and drizzle in the Saddle Valley up to approximately 10,000 elevation. A hazy blue gray inversion layer visible on the horizon just below the peak of Halea kala. Scattered patches of Cirrus clouds across all areas of the sky. Little to now wind at this time.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 29 17:18:43 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Aug 29 17:18:47 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Sat Aug 29 17:18:52 GMT 2026

Blew off Kcor O1

____end____

** Guider/spar PROBLEM REPORTED BY mcotter ** : Sat Aug 29 17:20:27 GMT 2026

The spar initially would not track. After shutting down the SGS program and restarting the computer the spar is now tracking properly.

____end____

KCOR COMMENT BY mcotter: Sat Aug 29 17:22:03 GMT 2026

Kcor:

When first starting the Focus routine clouds could be seen in the Focus images. Waiting until clouds pass out of the observing area.

____end____

Sat Aug 29 17:22:21 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat Aug 29 17:25:32 GMT 2026

Kcor:

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

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Sat Aug 29 17:41:53 GMT 2026

Kcor circular acquisition error:

I caught it when it happened, so I don't believe much if any data got through.

____end____

Sat Aug 29 17:42:21 GMT 2026 Kcor Focus/alignment program exited

KCOR BY mcotter: Sat Aug 29 17:48:02 GMT 2026

Kcor:

After running the Auto-Focus routine I manually changed the focus value from 133.3 to 134.5 to see if there is a noticeable difference in the focus when observed in the NRGF images.

____end____

KCOR BY mcotter: Sat Aug 29 17:52:33 GMT 2026

Kcor:

A band of Cirrus clouds have entered the observing area: Observations have been paused at this time until the Sun clears the cloud band.

____end____

KCOR COMMENT BY mcotter: Sat Aug 29 18:00:00 GMT 2026

Kcor:

I deleted observation file 20260428 to 20260515 from the E Drive to clear up space for current observation data.

____end____

KCOR BY mcotter: Sat Aug 29 18:07:59 GMT 2026

Kcor:

A band of Cirrus is still present in the viewing area; waiting for the Sun to rise out of the cloud band.

____end____

Sat Aug 29 18:20:16 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat Aug 29 18:23:38 GMT 2026

Kcor:

The Sun has risen out of the band of clouds and the instrument is again observing.

____end____

Weather COMMENT BY mcotter: Sat Aug 29 18:52:38 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-29 18:47:00

Temperature : 55.15 deg F

Dew Point : 21.25 deg F

Pressure : 681.52 mbar

Wind Speed : 3.58 mph

Wind Direction : 341.1 deg

Skies: The sky continues to have scattered patches of Cirrus clouds, but so far there do not appear to be any in the immediate viewing area.

Aerosols are beginning to pick up but images continue to look good.

____end____

Sat Aug 29 19:07:18 GMT 2026 Report Time: 19:05:06 UTC

Image: 20260829_185800_kcor_l2_nrgf.gif

Obs time: 18:58:00

Launch Time: 18:46:07

CME Front Height: 1.74 Rs (front)

CME Front Angle: 62.4

East Wing Angle: 56.2

West Wing Angle: 73.5

Angular Width: 17.3

CME Speed: moderate

CME Brightness: moderate

Confidence: high

Sat Aug 29 20:19:03 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Aug 29 20:33:57 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Sat Aug 29 21:08:33 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-29 20:59:00

Temperature : 55.27 deg F

Dew Point : 41.35 deg F

Pressure : 681.84 mbar

Wind Speed : 12.08 mph

Wind Direction : 344.8 deg

Skies: The area of the sky where observations are currently taking place appears clear, though aerosols are continuing to increase and are quite noticeable in the images.

Orographic clouds have come up over the east and west slopes of Maunaloa and are now beginning to encroach on the observatory area. Additionally, patches of Cirrus clouds continue to be scattered across large areas of the sky, particularly in the path of the Sun as it continues to climb to zenith.

____end____

Weather COMMENT BY mcotter: Sat Aug 29 21:57:27 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-29 21:53:00

Temperature : 55.36 deg F
Dew Point : 40.73 deg F
Pressure : 681.71 mbar
Wind Speed : 9.84 mph
Wind Direction : 14.2 deg

Skies: The Orographic clouds coming in from the east and west have increased substantially and are getting very close to the observatory and observing area.

____end____

KCOR COMMENT BY KCOR: Sun Aug 30 00:41:02 GMT 2026

KCOR file transfer report

KCor created 1044 .bin files

1044 .fts files

Remote site is complete ? no rsync required.

____end____

Weather COMMENT BY mcotter: Sun Aug 30 00:46:38 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-08-30 00:41:00

Temperature : 51.62 deg F

Dew Point : 47.77 deg F

Pressure : 680.88 mbar

Wind Speed : 9.4 mph

Wind Direction : 15.1 deg

Skies: The sky has been completely overcast for a while and there is now a very dense fog rolling through the science area.

____end____

GENERAL BY mcotter: Sun Aug 30 01:28:52 GMT 2026

End Of Day:

Good observing early in the day, but clouds moved in late in the morning then conditions got steadily worse.

____end____

Logger COMMENT BY mcotter: Sun Aug 30 01:28:58 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____