
Mauna Loa Solar Observatory Observer's Log

Sat Sep 05 16:49:18 GMT 2026

Year:26 Doy:248

Observer: mcotter

Weather COMMENT BY mcotter: Sat Sep 05 17:01:50 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-05 16:56:00

Temperature : 46.81 deg F

Dew Point : 11.66 deg F

Pressure : 678.09 mbar

Wind Speed : 9.84 mph

Wind Direction : 195.1 deg

Skies: The air is a little hazy but the skies are beautifully clear in all directions. The inversion layer is visible on the horizon just above Hualalai. The wind feels a little gusty out of the south-southeast.

____end____

GENERAL COMMENT BY mcotter: Sat Sep 05 17:02:38 GMT 2026

Dome open.

The dome area windows remain closed at this time due to the wind conditions.

____end____

** KCOR PM mcotter ** : Sat Sep 05 17:02:46 GMT 2026

Blew off Kcor 01

____end____

Guider/spar BY mcotter: Sat Sep 05 17:13:19 GMT 2026

In order to run the Focus routine I had to manually adjust the Guider Zero Point Offsets to the following:

X(RA): -20

Y(Dec): 30

____end____

KCOR COMMENT BY mcotter: Sat Sep 05 17:14:00 GMT 2026

Aerosols are high when looking at the Focus routine images.

____end____

Sat Sep 05 17:15:59 GMT 2026 Kcor Focus/alignment program exited. The Focus range was manually changed to 134.5 from 133.2.

KCOR COMMENT BY mcotter: Sat Sep 05 17:19:58 GMT 2026

Kcor:

The Kcor instrument is now observing, though the aerosol level is quite high as can be observed in the Synoptic and 01 Level images.

____end____

Guider/spar COMMENT BY mcotter: Sat Sep 05 17:22:49 GMT 2026

The spar webcam image appears out of focus.

____end____

Weather COMMENT BY mcotter: Sat Sep 05 17:27:53 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-05 17:20:00

Temperature : 51.19 deg F

Dew Point : 10.62 deg F

Pressure : 678.24 mbar

Wind Speed : 1.34 mph

Wind Direction : 215.4 deg

Skies: Aerosols are quite high and are very prevalent in all the images.

The wind has dropped off and it is now quite calm.

____end____

GENERAL COMMENT BY mcotter: Sat Sep 05 17:28:06 GMT 2026

Opened windows upstairs

____end____

Sat Sep 05 18:07:43 GMT 2026 Report Time: 18:06:35 UTC

Image: 20260905_173406_kcor_l2_nrgf.gif

Obs time: 17:34:06

First Seen: 17:34:06 UT

CME Front Height: 1.58 Rs (front)
CME Front Angle: 95.5
East Edge Angle: 75.3
West Edge Angle: 114.8
Angular Width: 39.5
CME Speed: moderate
CME Brightness: moderate
Confidence: high
Seen in: nrgf

GOES-PROTON COUNT:

Elevated 10 MeV Proton Flux observed in GOES-18.

Weather COMMENT BY mcotter: Sat Sep 05 18:56:53 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-05 18:35:00

Temperature : 53.28 deg F

Dew Point : 33.33 deg F

Pressure : 678.99 mbar

Wind Speed : 2.91 mph

Wind Direction : 319.7 deg

Skies: The sky in the observing area remains beautifully clear, though a bit bright with heavy aerosols.

Large patches of Cirrostratus clouds can now be observed to the north, northwest and west. These clouds currently appear still far off, so at least for now will not impede observations.

Some of this cloud pattern appears to be part of the Hurricane Lowell storm that originally passed by the south of the Hawaiian Islands. The storm now appears to have taken a more northern track and may again start interfering with the islands. Additionally another tropical storm system is just to the east of the Hawaiian Islands and is currently on track to come across the Hawaiian Islands by Monday.

____end____

Sat Sep 05 20:29:23 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Sep 05 20:44:16 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Sat Sep 05 21:07:55 GMT 2026 entry was edited

MLO Current Weather

Timestamp (UTC): 2026-09-05 21:02:00

Temperature : 55.99 deg F

Dew Point : 36.74 deg F

Pressure : 679.38 mbar

Wind Speed : 13.65 mph

Wind Direction : 5.0 deg

Skies: The sky currently remains clear in the viewing area, but Orographic clouds have made their way up over the slopes of Maunaloa to the east, south and west.

Aerosols remain quite high.

____end____

Weather COMMENT BY mcotter: Sat Sep 05 21:18:14 GMT 2026

Skies:

Orographic clouds are beginning to encroach on the area of the observatory.

____end____

KCOR COMMENT BY mcotter: Sat Sep 05 21:30:25 GMT 2026

Kcor:

Orographic clouds have entered the viewing area.

Observations have been paused at this time due to poor sky conditions.

____end____

GENERAL COMMENT BY mcotter: Sat Sep 05 21:46:38 GMT 2026

Due to poor sky conditions the dome shutters and dome windows have been closed at this time.

____end____

KCOR COMMENT BY KCOR: Sat Sep 05 22:36:37 GMT 2026

KCOR file transfer report

KCor created 990 .bin files

990 .fts files

Remote site is complete ? no rsync required.

____end____

Weather COMMENT BY mcotter: Sat Sep 05 22:40:39 GMT 2026

MLsO Current Weather

Timestamp (UTC): 2026-09-05 22:35:00

Temperature : 57.36 deg F

Dew Point : 44.56 deg F

Pressure : 679.0 mbar

Wind Speed : 6.49 mph

Wind Direction : 334.8 deg

Skies: The sky is now mostly overcast.

____end____

KCOR BY mcotter: Sat Sep 05 22:42:54 GMT 2026

Kcor:

I have turned off the Kcor instrument and computer in order to preserve battery power.

I have left the spar energized and tracking in the event the sky becomes clear enough to observe again.

____end____

Weather COMMENT BY mcotter: Sat Sep 05 23:54:45 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-05 23:50:00

Temperature : 52.95 deg F

Dew Point : 46.85 deg F

Pressure : 678.27 mbar

Wind Speed : 12.53 mph

Wind Direction : 358.4 deg

Skies: The sky is now completely overcast and fog is blowing through the area of the observatory.

____end____

Weather COMMENT BY mcotter: Sun Sep 06 01:43:11 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-06 01:38:00

Temperature : 50.81 deg F

Dew Point : 47.71 deg F

Pressure : 677.58 mbar

Wind Speed : 10.07 mph

Wind Direction : 336.8 deg

Skies: The sky is dark and heavily overcast with fog and mist at the science area.

____end____

Guider/spar COMMENT BY mcotter: Sun Sep 06 01:44:24 GMT 2026

The spar and guider have been powered down at this time to reserve battery power.

____end____

BY mcotter: Sun Sep 06 02:25:39 GMT 2026

End Of Day:

Good observing conditions until late morning when Orographic clouds moved into the science area.

____end____

Logger COMMENT BY mcotter: Sun Sep 06 02:25:43 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____