
Mauna Loa Solar Observatory Observer's Log

Fri May 01 16:26:57 GMT 2026

Year:26 Doy:121

Observer:

Weather COMMENT BY mcotter: Fri May 01 16:30:17 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-01 16:23:00

Temperature : 36.54 deg F

Dew Point : 9.01 deg F

Pressure : 678.26 mbar

Wind Speed : 4.92 mph

Wind Direction : 141.7 deg

Skies: Dense fog and heavy rain in the Saddle Valley up to approximately 10,000'. Inversion layer visible on the horizon up to approximately 10,000' with bright skies on the horizon and seemingly clear skies overhead.

____end____

GENERAL COMMENT BY mcotter: Fri May 01 16:43:32 GMT 2026

Comment:

Arrived onsite at approximately 0625 HST.

____end____

GENERAL COMMENT BY mcotter: Fri May 01 16:44:10 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Fri May 01 16:44:17 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Fri May 01 16:44:28 GMT 2026

Blew off Kcor 01

____end____

BY mcotter: Fri May 01 16:48:37 GMT 2026

Power Supply Levels.

Upon arrival power levels were as follows:

ECO FLO: 49%.

YETI: 35%.

____end____

KCOR BY mcotter: Fri May 01 16:49:44 GMT 2026

Kcor computer and instrument are energized.

____end____

Fri May 01 17:04:14 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Fri May 01 17:07:27 GMT 2026

Kcor Started:

The Kcor Instrument is now observing.

____end____

Solar Event COMMENT BY mcotter: Fri May 01 18:50:14 GMT 2026

Observed Prominence:

There is a bright prominence at approximate PA 80 Deg. , which I have been monitoring since the data started coming in at approximately 17:06 UT.

Several automated CME reports were sent out regarding this prominence, but in my opinion it is NOT a CME, but a prominence.

After the first automated CME report was issued I sent out an email to the MLSO team advising that the anomaly observed is not a CME but a prominence and I requested further instructions on how to respond when a false automated alert is sent out.

____end____

Weather COMMENT BY mcotter: Fri May 01 18:51:32 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-01 18:47:00

Temperature : 48.11 deg F
Dew Point : 21.27 deg F
Pressure : 679.35 mbar
Wind Speed : 8.05 mph
Wind Direction : 70.7 deg

Skies: Skies remain clear, but aerosols are increasing.

____end____

GENERAL COMMENT BY mcotter: Fri May 01 18:58:23 GMT 2026

Power Supply Levels:

ECO FLO:

Input: 800 W.

Output: 750 W.

Battery: 15%

YETI:

Input: 233 W

Output: 54 W

Battery: 36%

____end____

Fri May 01 20:01:02 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri May 01 20:16:16 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Fri May 01 20:19:12 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-01 20:14:00

Temperature : 51.31 deg F

Dew Point : 9.81 deg F

Pressure : 679.56 mbar

Wind Speed : 8.72 mph

Wind Direction : 51.2 deg

Skies: The skies have cleared a bit and the Synoptic images have gotten darker, indicating that the sky has lost some of it's brightness.

____end____

KCOR COMMENT BY mcotter: Fri May 01 20:23:05 GMT 2026

Aerosols are still prevalent in the NRGF images, but the images are looking good as the Sun rises in the sky and the sky loses some of it's brightness.

____end____

CME Retraction COMMENT BY mcotter: Fri May 01 20:53:12 GMT 2026

CME Retraction.

An automated CME alert was sent out for an anomaly observed at 2023-05-01 17:24:22 UT. After further observations, this anomaly IS NOT A CME.

The anomaly observed has been identified as an Observed Solar Prominence.

____end____

Weather COMMENT BY mcotter: Fri May 01 21:05:01 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-01 20:59:00

Temperature : 52.23 deg F

Dew Point : 15.73 deg F

Pressure : 679.42 mbar

Wind Speed : 10.74 mph

Wind Direction : 30.7 deg

Skies: Skies continue to be clear in the immediate area around the observatory and in the viewing area, but Orographic clouds are now starting to appear to the East and West with additional clouds still present in the Saddle Valley.

There has been a large increase in the aerosols visible in the NRGF images.

____end____

GENERAL COMMENT BY mcotter: Fri May 01 21:36:04 GMT 2026

Closed Dome Lower Shutter Door.

Closed Dome Windows.

The wind is picking up a little bit, so I closed the Dome Lower Shutter Door and closed the Dome windows.

____end____

Weather COMMENT BY mcotter: Fri May 01 22:15:03 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-01 22:08:00

Temperature : 53.26 deg F

Dew Point : 15.03 deg F

Pressure : 679.07 mbar

Wind Speed : 12.3 mph

Wind Direction : 59.6 deg

Skies: The skies remain clear at this time over the observatory and the in the viewing area, but Orographic clouds continue to build on in the sky in all directions. The wind continues to increase quite a bit.

____end____

Solar Event COMMENT BY mcotter: Fri May 01 23:06:47 GMT 2026

Observed Filament.

Filament can be observed at approximate PA 33.5 Deg.

____end____

KCOR COMMENT BY KCOR: Fri May 01 23:15:53 GMT 2026

KCOR file transfer report

KCor created 1465 .bin files

1465 .fts files

Remote site is complete ? no rsync required.

____end____

BY mcotter: Fri May 01 23:24:34 GMT 2026

End Of Day.

Good day of observations.

____end____

Logger COMMENT BY mcotter: Fri May 01 23:24:45 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____