
Mauna Loa Solar Observatory Observer's Log

Sun Jun 14 16:49:20 GMT 2026

Year:26 Doy:165

Observer: mcotter

Weather COMMENT BY mcotter: Sun Jun 14 16:50:26 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-14 16:47:00

Temperature : 51.49 deg F

Dew Point : 7.65 deg F

Pressure : 679.11 mbar

Wind Speed : 4.25 mph

Wind Direction : 203.7 deg

Skies: Beautiful clear skies. The inversion layer is visible on the horizon just above Hualalai. Little to no wind.

____end____

GENERAL COMMENT BY mcotter: Sun Jun 14 16:57:28 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sun Jun 14 16:57:34 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Sun Jun 14 16:57:43 GMT 2026

Blew off Kcor O1

____end____

Sun Jun 14 17:03:24 GMT 2026 Kcor Focus/alignment program exited

Weather COMMENT BY mcotter: Sun Jun 14 17:15:48 GMT 2026

Skies: The sky appears a bit bright with aerosols present.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Sun Jun 14 17:18:06 GMT 2026

A had a difficult time connecting with Global Protect on the Wahoo 2 and Kcor computers . It took multiple attempts with each computer before it would latch on.

____end____

KCOR BY mcotter: Sun Jun 14 17:52:08 GMT 2026

After starting Kcor observations I checked the polarization and it checked good (Mid, B right, Dark, Mid). After approximately 10 to 15 minutes I saw an irregular pattern in the Level 0 and NRGF images, additionally the bottom Synoptic pair of images showed a "Four Leaf Flower" pattern. I suspected that the Polarization changed state, so I again put the polarizer in the beam and the Polarization was bad (Dark, Mid, Bright, Mid). I stopped the observing code, re-homed the polarizer, then re-started the observing code . When the observing code Synoptic images came up I checked the polarization and it checked good (Mid, Bright, Dark, Mid).

The first bad polarization image that I saw in the Level 0 images was at 17:20:31 and the last bad polarization image that I saw in the Level 0 images was at 17:28:36.

The Kcor instrument is again observing. Polarization checked good.

____end____

Sun Jun 14 19:01:24 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sun Jun 14 19:16:35 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Sun Jun 14 19:28:06 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-14 19:23:00

Temperature : 56.34 deg F

Dew Point : 11.93 deg F

Pressure : 680.05 mbar

Wind Speed : 7.38 mph

Wind Direction : 55.7 deg

Skies: The sky remains clear but aerosols are increasing.

____end____

Sun Jun 14 19:44:49 GMT 2026 Report Time: 19:44:26 UTC

Image: 20260614_192000_kcor_l2_nrgf.gif

Obs time: 19:20:00

CME Front Height: 1.78 Rs (front)
CME Front Angle: 357.0
East Wing Angle: 338.4
West Wing Angle: 17.3
Angular Width: 38.8
CME Speed: moderate
CME Brightness: faint
Confidence: medium
Observer Comment: A faint, broad CME observed launching from North Pole of Sun.

Weather COMMENT BY mcotter: Sun Jun 14 20:36:45 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-14 20:32:00

Temperature : 56.44 deg F

Dew Point : 36.95 deg F

Pressure : 680.23 mbar

Wind Speed : 8.95 mph

Wind Direction : 16.5 deg

Skies: Aerosols are very heavy and are quite visible in the NRGF and level 0 images.
____end____

Weather COMMENT BY mcotter: Sun Jun 14 22:23:28 GMT 2026

MLSO Current Weather

Skies: Aerosols have continued to increase and are very heavy.
____end____

GENERAL COMMENT BY mcotter: Sun Jun 14 23:05:09 GMT 2026

End Of Day:

Good day of observing, however the aerosols got increasingly heavy as the day progressed.

____end____

Logger COMMENT BY mcotter: Sun Jun 14 23:05:15 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____