
Mauna Loa Solar Observatory Observer's Log

Tue Jun 30 16:46:40 GMT 2026

Year:26 Doy:181

Observer:

Tue Jun 30 16:54:54 GMT 2026 SGS Alignment complete

Weather COMMENT BY mcotter: Tue Jun 30 16:55:36 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-30 16:50:00

Temperature : 51.75 deg F

Dew Point : 7.5 deg F

Pressure : 681.36 mbar

Wind Speed : 5.37 mph

Wind Direction : 217.0 deg

Skies: Generally clear skies with some Cirrostratus clouds visible on the horizon. The inversion layer is just above Hualalai. Light wind.

____end____

GENERAL COMMENT BY mcotter: Tue Jun 30 16:55:43 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Jun 30 16:55:48 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Tue Jun 30 16:55:55 GMT 2026

Blew off Kcor O1

____end____

Tue Jun 30 16:56:43 GMT 2026 Kcor Focus/alignment program exited

Tue Jun 30 16:58:35 GMT 2026 KCOR Start Synoptic Patrol

Weather COMMENT BY mcotter: Tue Jun 30 17:13:55 GMT 2026

Skies: There are currently some bands of Cirrostratus clouds on the western horizon that we are keeping a close watch on.

We are wishing to run a calibration this morning with the updated code and the clouds on the horizon are giving us concern that they may move into the viewing area before this can be accomplished.

____end____

Weather COMMENT BY mcotter: Tue Jun 30 17:59:26 GMT 2026

Skies: The sky in the viewing area remains clear and the clouds that we have been watching in the west are moving slowly closer, but they appear to be taking a northeasterly track. We will continue to closely monitor this cloud activity.

____end____

Tue Jun 30 18:06:10 GMT 2026 Report Time: 18:05:18 UTC

Image: 20260630_180205_kcor_l2_nrgf.gif

Obs time: 18:02:05

CME Front Height: 1.77 Rs (front)

CME Front Angle: 281.7

East Wing Angle: 274.7

West Wing Angle: 285.0

Angular Width: 10.3

CME Speed: moderate

CME Brightness: faint

Confidence: medium

Seen in: nrgf

Tue Jun 30 18:06:20 GMT 2026 KCOR End Patrol

Tue Jun 30 18:06:21 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Jun 30 18:21:28 GMT 2026 KCOR End Calibration Script

Tue Jun 30 18:21:45 GMT 2026 KCOR Start Synoptic Patrol

Tue Jun 30 18:21:46 GMT 2026 KCOR Start Synoptic Patrol

Weather COMMENT BY mcotter: Tue Jun 30 19:27:48 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-30 19:17:00

Temperature : 56.61 deg F
Dew Point : 30.84 deg F
Pressure : 682.22 mbar
Wind Speed : 5.14 mph
Wind Direction : 5.0 deg

Skies: The sky remains relatively clear with some bands of Cirrostratus clouds on the western-northwestern horizon. These are the clouds that we have been watching since this morning, but so far they have made little progress towards the observatory and have moved mostly towards the north.

Aerosols are increasing and are quite noticeable in the Level 0 and NRGF images.

____end____

Weather COMMENT BY mcotter: Tue Jun 30 21:28:47 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-30 21:05:00

Temperature : 56.41 deg F
Dew Point : 34.79 deg F
Pressure : 682.56 mbar
Wind Speed : 8.05 mph
Wind Direction : 358.9 deg

Skies: The sky remains clear in all directions with some small wisps of clouds on the distant west, north and east horizons. Lower level Orographic clouds are building up in the eastern and western sides of the Saddle Valley, with some additional clouds on the western slope of Maunaloa, but so far they have not come up in altitude.

Aerosols continue to be heavy and are readily visible in the images.

____end____

Weather COMMENT BY mcotter: Tue Jun 30 22:00:01 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-30 21:50:00

Temperature : 58.82 deg F
Dew Point : 34.83 deg F
Pressure : 682.51 mbar
Wind Speed : 6.93 mph
Wind Direction : 337.2 deg

Skies: Skies remain clear with some Orographic clouds making their way up the eastern slope of Maunaloa. The Orographic clouds to the west continue to stay just west of the Maunaloa slope.

Aerosols continue to be heavy and are visible in the images.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Tue Jun 30 22:33:23 GMT 2026 entry was edited
Kcor circular error:

The error occurred at 22:05:34 and went to 22:18:58.

When trying to restart Socketcam the program went into a Board acquisition error a couple of time before having to restart the computer in order to restart the Observation code with the Socketcam code.

Computer, Observing code and Socketcam code all running good now.

____end____

Tue Jun 30 22:33:49 GMT 2026 KCOR Start Synoptic Patrol

KCOR BY mcotter: Tue Jun 30 22:43:46 GMT 2026

Kcor:

Kcor is again observing.

____end____

Weather COMMENT BY mcotter: Tue Jun 30 23:35:40 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-30 23:29:00

Temperature : 57.87 deg F
Dew Point : 42.06 deg F
Pressure : 682.06 mbar
Wind Speed : 9.84 mph
Wind Direction : 347.3 deg

Skies: The skies continue to be mostly clear, with some passing clouds that came up from the east, but thankfully they passed and dissipated before effecting the viewing are

a and observations.

The aerosols are increasing and are very prevalent in the images.

____end____

Wed Jul 01 00:16:36 GMT 2026 KCOR End Patrol

Weather COMMENT BY mcotter: Wed Jul 01 00:17:58 GMT 2026

Skies: Clouds are coming into the viewing area from the west and are beginning to form and dissipate over the observatory.

____end____

GENERAL COMMENT BY mcotter: Wed Jul 01 00:19:12 GMT 2026

Observations have ended for the day.

____end____

KCOR COMMENT BY KCOR: Wed Jul 01 00:20:56 GMT 2026

KCOR file transfer report

KCor created 1690 .bin files

1688 .fts files

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

20260630_221858_kcor.bin

20260701_001702_kcor.bin

Remote site is complete ? no rsync required.

____end____

Logger COMMENT BY mcotter: Wed Jul 01 01:27:30 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____