
Mauna Loa Solar Observatory Observer's Log

Tue Jun 23 17:03:49 GMT 2026

Year:26 Doy:174

Observer: mcotter

GENERAL COMMENT BY mcotter: Tue Jun 23 17:03:51 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Jun 23 17:03:57 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Tue Jun 23 17:04:05 GMT 2026

Blew off Kcor 01

____end____

Weather COMMENT BY mcotter: Tue Jun 23 17:06:33 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-23 17:02:00

Temperature : 51.12 deg F

Dew Point : -0.99 deg F

Pressure : 680.86 mbar

Wind Speed : 1.12 mph

Wind Direction : 173.1 deg

Skies:Clear skies. The inversion layer is visible on the horizon just above Haleakala. Clouds in the Saddle Valley to approximately 10,000'. No wind.

____end____

Tue Jun 23 17:12:20 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY KCOR: Tue Jun 23 17:13:39 GMT 2026

KCOR file transfer report

KCor created 2 .bin files

1 .fts files

NOTICE ? 1 .bin file(s) with no matching .fts:

20260623_171309_kcor.bin

WARNING 1 fts file(s) found locally that was not transfered dawn

ACTION must be taken to copy:

20260623_171253_kcor.fts

____end____

Guider/spar BY mcotter: Tue Jun 23 17:17:54 GMT 2026

This morning I had a problem with the monitor in the dome. I tried restarting the monit
or a couple of time and the restarting the splitter a couple of time but it did not wor
k. Finally I power cycled the power strip and that did the trick and the monitor starte
d working.

____end____

KCOR BY mcotter: Tue Jun 23 17:22:27 GMT 2026

Kcor:

The Kcor instrument is now observing.

Lots of aerosols visible in the Focus routine. I manually set the focus to 134.5 from
131.7.

Polarization looks good.

The synoptic images are a little bright, but they look good. Lots of aerosols visible i
n the Level 0 images and in the first couple of frames of the NRGF images.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Tue Jun 23 17:42:27 GMT 2026

Kcor circular acquisition error:

Polarization turned bad. When looking at the Level 0 image it started at 172849 and con
tinued to 173207, with poor data continuing until 173636 as I restarted the instrument
and again cycled the optics.

____end____

KCOR BY mcotter: Tue Jun 23 17:43:40 GMT 2026

Kcor:

Kcor is again observing, but aerosols are quite visible in the images.

____end____

Tue Jun 23 18:51:41 GMT 2026 Report Time: 18:49:49 UTC

Image: 20260623_183214_kcor_l2_nrgf.gif

Obs time: 18:32:14

Launch Time: 18:23:14

CME Front Height: 1.86 Rs (front)

CME Front Angle: 69.1

East Wing Angle: 51.2

West Wing Angle: 92.1

Angular Width: 40.9

CME Speed: fast

CME Brightness: bright

Confidence: medium

Weather COMMENT BY mcotter: Tue Jun 23 19:03:14 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-23 18:56:00

Temperature : 55.35 deg F

Dew Point : 25.36 deg F

Pressure : 681.47 mbar

Wind Speed : 9.17 mph

Wind Direction : 0.3 deg

Skies: The sky overhead appears bright but clear. The aerosols are very high and quite visible in the images. Clouds still remain in the Saddle Valley and I can see some forming around Hualalai.

____end____

Weather COMMENT BY mcotter: Tue Jun 23 20:14:08 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-23 20:08:00

Temperature : 55.18 deg F

Dew Point : 30.05 deg F

Pressure : 681.65 mbar

Wind Speed : 4.25 mph

Wind Direction : 324.9 deg

Skies: The sky remains clear and the brightness has gone down. Aerosols are still very prevalent in the images.

____end____

Tue Jun 23 20:14:25 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Jun 23 20:29:36 GMT 2026 KCOR End Calibration Script

Weather COMMENT BY mcotter: Tue Jun 23 20:55:29 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-23 20:50:00

Temperature : 57.58 deg F

Dew Point : 27.51 deg F

Pressure : 681.61 mbar

Wind Speed : 8.5 mph

Wind Direction : 335.2 deg

Skies: The sky remains clear overhead, but aerosols remain high and Orographic clouds are moving up from the south and west. There are still clouds in the Saddle Valley, but so far they are staying in the valley.

____end____

Weather COMMENT BY mcotter: Tue Jun 23 21:19:48 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-06-23 21:14:00

Temperature : 59.7 deg F

Dew Point : 24.18 deg F

Pressure : 681.52 mbar

Wind Speed : 16.55 mph

Wind Direction : 359.7 deg

Skies: Orographic clouds are increasing and moving up the Maunaloa slopes to the south and west.

____end____

Tue Jun 23 22:47:49 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY KCOR: Tue Jun 23 23:32:09 GMT 2026

KCOR file transfer report

KCor created 1290 .bin files

1284 .fts files

NOTICE ? 6 .bin file(s) with no matching .fts:

20260623_222753_kcor.bin

20260623_222915_kcor.bin

20260623_223351_kcor.bin

20260623_225019_kcor.bin

20260623_231341_kcor.bin

20260623_232600_kcor.bin

WARNING 38 fts file(s) found locally that was not transfered dawn

ACTION must be taken to copy:

20260623_221817_kcor.fts

20260623_221832_kcor.fts

20260623_221847_kcor.fts

20260623_221902_kcor.fts

20260623_221917_kcor.fts

20260623_221933_kcor.fts

20260623_221948_kcor.fts

20260623_222003_kcor.fts

20260623_222018_kcor.fts

20260623_222033_kcor.fts

20260623_222048_kcor.fts

20260623_222104_kcor.fts

20260623_222119_kcor.fts

20260623_222134_kcor.fts

20260623_222149_kcor.fts

20260623_222204_kcor.fts

20260623_222219_kcor.fts

20260623_222235_kcor.fts

20260623_222250_kcor.fts

20260623_222305_kcor.fts

20260623_222320_kcor.fts

20260623_222335_kcor.fts

20260623_222350_kcor.fts

20260623_222406_kcor.fts

20260623_222421_kcor.fts

20260623_222436_kcor.fts

20260623_222451_kcor.fts

20260623_222506_kcor.fts

20260623_222521_kcor.fts

20260623_222537_kcor.fts

20260623_222552_kcor.fts

20260623_222607_kcor.fts

20260623_222622_kcor.fts

20260623_222637_kcor.fts

20260623_222653_kcor.fts

20260623_222708_kcor.fts

20260623_222723_kcor.fts

20260623_222738_kcor.fts

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Jun 23 23:32:58 GMT 2026

The synoptic images all went white, so at first I thought that we may be clipping the dome in the image. I went to the dome and there was no problem with the dome. I tried stopping the observing program and a GUI came up telling me there was an error with socket cam. I tried to restart the program but the GUI came up again. I restarted the computer but the Socket Cam still would not work and a GUI came up stating there is a problem. I took screen shots of the GUI's and emailed them to Ben and Lisa. I texted Ben to call me and he called me back and told me to check the "E" Drive to see how much disk space was available, as this is where the socket cam puts it's data. There was 0% disk space available. Ben told to delete the oldest file, which I did. Then I restarted the Kcor observing program and socket cam worked fine.

____end____

Weather COMMENT BY mcotter: Tue Jun 23 23:35:01 GMT 2026

MLSO Current Weather

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

Temperature : 62.37 deg F

Dew Point : 31.04 deg F

Pressure : 680.79 mbar

Wind Speed : 12.75 mph

Wind Direction : 62.0 deg

Skies: Orographic clouds have move in over the observatory from all directions.

____end____

GENERAL COMMENT BY mcotter: Tue Jun 23 23:35:30 GMT 2026

Dome closed.

The dome windows are closed.

____end____

BY mcotter: Tue Jun 23 23:37:09 GMT 2026

End Of Day

Good day to observe, though the aerosols were quite high.

Updates were provided to the Windows computers prior to shutdown.

____end____

BY mcotter: Wed Jun 24 00:01:14 GMT 2026

Window Updates finished downloading.

Everything is shutdown.

____end____

Logger COMMENT BY mcotter: Wed Jun 24 00:01:15 GMT 2026

Log closed

ONSITE STAFF: mcotter

____end____