
Mauna Loa Solar Observatory Observer's Log

Sun May 24 16:41:39 GMT 2026
Year:26 Doy:144
Observer:
Weather COMMENT BY : Sun May 24 16:45:33 GMT 2026
MLO Current Weather
Timestamp (UTC): 2026-05-24 16:38:00
Temperature : 44.8 deg F
Dew Point : -15.95 deg F
Pressure : 679.0 mbar
Wind Speed : 6.93 mph
Wind Direction : 136.9 deg

Skies: Clouds in the Saddle Valley up to approximately 7500' elevation. The sky is clear in all directions but they appear hazy and a bit bright. The inversion layer appears a dark gray blue color and it is visible on the horizon just below the peak of Haleakalā.

____end____
GENERAL COMMENT BY : Sun May 24 16:59:23 GMT 2026
Opened windows upstairs

____end____
GENERAL COMMENT BY : Sun May 24 16:59:29 GMT 2026
Dome open

____end____
Sun May 24 17:00:50 GMT 2026 Kcor Focus/alignment program exited
KCOR COMMENT BY : Sun May 24 17:06:43 GMT 2026
Kcor:

The Kcor instrument is now observing.
Polarization checked good.
The Focus range was manually set to 135.53.

____end____
KCOR COMMENT BY : Sun May 24 17:07:30 GMT 2026
Kcor:

The synoptic images look a bit bright, but acceptable.
____end____

Sun May 24 18:22:25 GMT 2026 Kcor Focus/alignment program exited
KCOR COMMENT BY : Sun May 24 18:25:57 GMT 2026
Kcor:

The bottom synoptic image appeared all bright. I put the polarizer in position to check the state and it was out of sequence. I don't know why it jumped out of sequence but I stopped the observing program and re-ran the focus routine.

____end____
Sun May 24 18:27:24 GMT 2026 Kcor Focus/alignment program exited
** KCOR PROBLEM REPORTED BY ** : Sun May 24 19:00:40 GMT 2026
Kcor circular acquisition error:

The socket cam got out of sync and it appeared in the Level 0 image as an out of polarization state.
This happened from approximately 1749 UT until approximately 1808 UT.
The observing code and socket cam code was exited and re-started and this action has resolved the problem.
Polarization checked good.

____end____
** KCOR PROBLEM REPORTED BY ** : Sun May 24 19:10:21 GMT 2026
This morning when I began observing I noticed that the NRGF images were not coming back from the pipeline. I checked to see if data was going out from the MLSO and it was, but it was not being processed and sent back. After further investigation there was a metadata error that indicated that the diffuser was in mid beam. This was not the case, but an error on the MC4U not getting a signal that the diffuser was out of beam. I have cycled the diffuser and it is now showing out of beam on the MC4U. This error was corrected at approximately 1840 UT, so data prior to this time will show this incorrect metadata error.

____end____
Sun May 24 20:07:07 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini
Sun May 24 20:22:17 GMT 2026 KCOR End Calibration Script
Weather COMMENT BY : Sun May 24 21:40:24 GMT 2026
MLO Current Weather
Timestamp (UTC): 2026-05-24 21:35:00
Temperature : 54.7 deg F
Dew Point : 23.95 deg F
Pressure : 679.93 mbar
Wind Speed : 11.41 mph
Wind Direction : 340.5 deg

Skies: Cirrus has moved into the viewing area from the southwest and the sky has become increasingly bright.

____end____
KCOR BY : Sun May 24 21:41:42 GMT 2026
Kcor:

The Kcor instrument has been paused due to Cirrus clouds moving into the viewing area and the sky becoming too bright to observe.

____end____
KCOR COMMENT BY : Sun May 24 22:07:52 GMT 2026
Kcor:

The sky has cleared in the viewing area and the instrument is observing again.

____end____
Weather COMMENT BY : Sun May 24 22:21:50 GMT 2026
MLO Current Weather
Timestamp (UTC): 2026-05-24 22:17:00
Temperature : 53.62 deg F
Dew Point : 27.31 deg F
Pressure : 679.89 mbar
Wind Speed : 12.08 mph
Wind Direction : 0.4 deg

Skies: The sky has become very bright and it looks like Cirrus clouds have moved back into the viewing area.

____end____
KCOR COMMENT BY : Sun May 24 22:23:39 GMT 2026
The sky has become become very bright and Cirrus has moved back into the viewing area.

Kcor has been stopped.

____end____
KCOR COMMENT BY KCOR: Sun May 24 22:24:23 GMT 2026
KCOR file transfer report
Kcor created 1053 .bin files
1050 .fts files
NOTICE ? 3 .bin file(s) with no matching .fts:
20260524_183039_kcor.bin
20260524_213737_kcor.bin
20260524_222035_kcor.bin
WARNING 1 fts file(s) found locally that was not transfered dawn
ACTION must be taken to copy:
20260524_170206_kcor.fts

____end____
BY : Sun May 24 22:36:12 GMT 2026
End Of Day:

Good day for observing until Cirrus clouds came into the viewing area in the early afternoon.

____end____
Logger COMMENT BY : Sun May 24 22:36:16 GMT 2026
Log closed
ONSITE STAFF: mcotter
____end____