
Mauna Loa Solar Observatory Observer's Log

Tue May 05 16:42:36 GMT 2026

Year:26 Doy:125

Observer:

Weather COMMENT BY mcotter: Tue May 05 16:45:35 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-05 16:41:00

Temperature : 44.23 deg F

Dew Point : -3.89 deg F

Pressure : 679.8 mbar

Wind Speed : 6.04 mph

Wind Direction : 236.8 deg

Skies: Clear skies in all directions. Some low level clouds in the Saddle Valley. The inversion layer is a light blue gray and is observed just above Haleakala on the horizon

____end____

GENERAL COMMENT BY mcotter: Tue May 05 16:57:02 GMT 2026

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue May 05 16:57:08 GMT 2026

Dome open

____end____

** KCOR PM mcotter ** : Tue May 05 16:57:18 GMT 2026

Blew off Kcor 01

____end____

Tue May 05 17:04:48 GMT 2026 Kcor Focus/alignment program exited

Weather COMMENT BY mcotter: Tue May 05 17:08:33 GMT 2026

Skies:

Skies appear bright in the Kcor Focus Routine with some aerosols present.

____end____

KCOR COMMENT BY mcotter: Tue May 05 17:10:23 GMT 2026

Kcor Started.

The Kcor Instrument is now observing. The skies are slightly bright, but the Kcor Synoptic Acquisition images look good.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Tue May 05 18:45:38 GMT 2026

Pipeline Down.

The Kcor Instrument has been successfully running since approximately 17:05 UT this morning, but I noticed after a short period of time that we were not getting any processed NRGF Images back from Boulder. I checked the Kcor Socketcam and Watchdog Command windows and the Kcor Instrument appeared to be collecting the data correctly. Checking the Update Data and NRGF Command windows showed that the data was not making it back. I checked that there was a file folder with today's date present on the Wahoo 2 computer and it was there. I then checked the Kcor Level 0 folder to see if any data was in the file, but there were only a couple of files and there should have been many. At this point I was fairly certain that the problem was in the Pipeline in Boulder so I started writing an email to Michael Galloy to alert him that there was a problem going on with the Kcor Pipeline. At about this time Ben arrived onsite and he looked through the collected data and the data files located in Boulder and he determined that the pipeline failure was happening at the Level 0 processing. I included this information in my email to Michael and sent the email out.

Michael emailed back and acknowledged that something was going wrong on the "Mahi" and "Dawn" Pipeline computers and that he was working on correcting the problem.

____end____

Tue May 05 19:22:41 GMT 2026 Kcor Focus/alignment program exited

Tue May 05 19:27:37 GMT 2026 Kcor Focus/alignment program exited

Weather COMMENT BY mcotter: Tue May 05 19:50:38 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-05 19:44:00

Temperature : 53.91 deg F

Dew Point : 3.38 deg F
Pressure : 681.02 mbar
Wind Speed : 5.82 mph
Wind Direction : 352.9 deg

Skies: The skies are clear in all directions with some Orographic clouds forming in the Saddle Valley and lower elevations.

Aerosols are high and are quite visible in the Level 0 images.

____end____

GENERAL COMMENT BY mcotter: Tue May 05 19:58:40 GMT 2026

When I ran the Focus routine early this morning aerosols were quite visible in the Focus images, which may have accounted for the Focus Number being lower than normal (normal Focus Range number is 133.50), which it came in at 132.4. For this reason I re-ran the Focus routine before doing the Calibration. I ran the Focus routine again and the Focus number came in at 133.0. For this reason I manually entered in a Focus Value of 133.5 and have resumed running the observing program using this value.

____end____

Tue May 05 20:00:09 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue May 05 20:15:23 GMT 2026 KCOR End Calibration Script

** KCOR PROBLEM REPORTED BY mcotter ** : Tue May 05 21:52:15 GMT 2026

Bad Polarization images.

The Kcor Instrument was refocused earlier and when the instrument was re-started it came up in the wrong polarization state. This began at 19:28:32 and ran through 21:20:48 UT. The pipeline was down this morning, so our quicklook images have been unavailable during the morning. The Calibration was taken during this bad state (the Calibration was started at approximately 20:00 UT) so this calibration is not good.

____end____

** KCOR PROBLEM REPORTED BY mcotter ** : Tue May 05 21:52:53 GMT 2026

Pipeline Down.

The Pipeline has gone down again.

____end____

KCOR COMMENT BY KCOR: Tue May 05 22:13:48 GMT 2026

KCOR file transfer report

KCor created 1091 .bin files

1088 .fts files

NOTICE ? 3 .bin file(s) with no matching .fts:

20260505_212048_kcor.bin

20260505_215443_kcor.bin

20260505_215739_kcor.bin

Remote site is complete ? no rsync required.

____end____

KCOR COMMENT BY mcotter: Wed May 06 00:18:40 GMT 2026

Added the socketcam log to the end of day report.

____end____

Logger COMMENT BY mcotter: Wed May 06 00:41:47 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____