
Mauna Loa Solar Observatory Observer's Log

Mon Jun 08 16:02:37 GMT 2026

Year:26 Doy:159

Observer: lisapg

Weather COMMENT BY lisapg: Mon Jun 08 16:28:18 GMT 2026 entry was edited

MLO Current Weather

Timestamp (UTC): 2026-06-08 16:23:00

Temperature : 45.4 deg F

Dew Point : 5.41 deg F

Pressure : 680.55 mbar

Wind Speed : 13.87 mph

Wind Direction : 164.5 deg

Skies: Sky looks clear with a haze at about 10,000 ft.

____end____

** GENERAL PROBLEM REPORTED BY lisapg ** : Mon Jun 08 16:32:30 GMT 2026

Trouble shooting this morning; ILX had turned on but the output button did not trigger, so the KCor ILX was at 5.2 C when I came in this morning. Power cycled the usb cables and that made it worse. Then power cycled the raspberry pi and it came back up; tested it with out turn off KCor power strip and then turned on ILX (only) and the output triggered properly instead of staying off. Should be okay to go once it comes up to temp.

____end____

GENERAL COMMENT BY lisapg: Mon Jun 08 16:33:41 GMT 2026

Logger computer lower monitor was not working this morning; had to power cycle the monitor cable to get it back up.

____end____

GENERAL COMMENT BY lisapg: Mon Jun 08 16:38:28 GMT 2026

Observing station monitors were left on through the night.

____end____

GENERAL COMMENT BY lisapg: Mon Jun 08 16:58:39 GMT 2026

Dome open

____end____

** KCOR PM lisapg ** : Mon Jun 08 16:58:50 GMT 2026 entry was edited

Blew off Kcor O1

____end____

** GENERAL PROBLEM REPORTED BY lisapg ** : Mon Jun 08 16:59:16 GMT 2026 entry was edited

Currently not getting any signal from the guider. Getting an error that reads:

Error -229771 occurred at DAQmx Create Channel (AO-Voltage-Basic).vi:1870001

Possible reason(s):

Internal Software Error occurred in MIG software. Please contact National instruments Support.

Task Name:_unnamedTask<3>

Currently trouble shooting.

____end____

Mon Jun 08 17:50:47 GMT 2026 SGS Alignment complete

KCOR COMMENT BY lisapg: Mon Jun 08 17:52:03 GMT 2026

Seems the KCor O1 slipped all the way back. Manually drove the O1 back from 124 to 134 before starting the O1 focus.

____end____

Mon Jun 08 17:52:42 GMT 2026 Kcor Focus/alignment program exited

Mon Jun 08 17:54:26 GMT 2026 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Mon Jun 08 18:03:45 GMT 2026 entry was edited

Trouble shooting update/solution: After checking cabling to make sure nothing got disconnected from the SGS Nema box, I shut down the SGS computer and then power cycled the SGS Nema box power strip. This did not fix the problem; when the error popped up again, I clicked the blue link that said "search for ni.com for error". This brought me to a troubleshooting page that had the error I was looking for after searching for it and then I clicked on the appropriate link. It told me to check the ni-max app and when I did, I got an error that said:

Max database corruption

The database file is corrupt. Refer to the KnowledgeBase article 4GA9TOQA for information about how to fix or restore the database file.

I did not close the trouble shooting guide, so I continued through the steps. It mentioned that the Max database file becoming corrupt is rare and if this does happen, reset the max database file. Thankfully the application was still responsive, so I was able to go to Tools>> Reset Configuration Data. Followed the prompts and after the computer came back from a restarting, SGS started working and tracking just fine.

Hopefully, since this is rare, we won't encounter this for a while but good to know.

____end____

** KCOR PROBLEM REPORTED BY lisapg ** : Mon Jun 08 18:51:43 GMT 2026

Kcor circular acquisition error

____end____

Mon Jun 08 18:52:46 GMT 2026 KCOR Start Synoptic Patrol

Solar Event COMMENT BY lisapg: Mon Jun 08 20:13:59 GMT 2026

Activity can seen on the East limb; may be a cme but not too sure as it looks like it's falling back. Will hold off calibration for now.

____end____

Mon Jun 08 20:15:55 GMT 2026 Report Time: 20:15:41 UTC

Image: 20260608_195205_kcor_l2_nrgf.gif

Obs time: 19:52:05

CME Front Height: 1.38 Rs (front)

CME Front Angle: 91.0

East Wing Angle: 84.2

West Wing Angle: 101.3

Angular Width: 17.1

CME Speed: moderate

CME Brightness: faint

Confidence: medium

Seen in: nrgf

Observer Comment: Possible cme on the East limb

Mon Jun 08 21:27:24 GMT 2026 KCOR End Patrol

Mon Jun 08 21:29:12 GMT 2026 KCOR Start Synoptic Patrol

Weather COMMENT BY lisapg: Mon Jun 08 22:06:21 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-06-08 21:50:00

Temperature : 59.85 deg F

Dew Point : 8.8 deg F

Pressure : 681.23 mbar

Wind Speed : 16.55 mph

Wind Direction : 19.6 deg

Skies: Sky looks clear but it's not looking great as it seems the sky is starting to polarize a bit.

____end____

GENERAL COMMENT BY lisapg: Mon Jun 08 22:29:04 GMT 2026

Manually moved the dome

____end____

Mon Jun 08 22:48:30 GMT 2026 Report Time: 22:48:14 UTC

Image: 20260608_224013_kcor_l2_nrgf.gif

Obs time: 22:40:13

CME Front Height: 1.39 Rs (front)

CME Front Angle: 272.7

East Wing Angle: 268.2

West Wing Angle: 275.5

Angular Width: 7.3

CME Speed: moderate

CME Brightness: faint

Confidence: medium

Observer Comment: Very faint possible outflow in the West

Tue Jun 09 00:22:42 GMT 2026 KCOR End Patrol

KCOR COMMENT BY KCOR: Tue Jun 09 00:23:32 GMT 2026

KCOR file transfer report

KCor created 1537 .bin files

1534 .fts files

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

20260608_185132_kcor.bin

20260608_212724_kcor.bin

20260609_002252_kcor.bin

Remote site is complete ? no rsync required.

____end____

GENERAL COMMENT BY lisapg: Tue Jun 09 00:31:32 GMT 2026

Dome closed

____end____

GENERAL COMMENT BY lisapg: Tue Jun 09 00:33:03 GMT 2026

A nice clear day, not the best data day especially just after 1115 am HST. Hopefully to morrow is a better day with a less eventful morning.

____end____

Logger COMMENT BY lisapg: Tue Jun 09 00:33:09 GMT 2026

Log closed

ONSITE STAFF: lisapg

____end____