
Mauna Loa Solar Observatory Observer's Log

Wed Apr 01 17:28:03 GMT 2026

Year:26 Doy:091

Observer: lisapg

Weather COMMENT BY lisapg: Wed Apr 01 17:29:28 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-04-01 17:26:00

Temperature : 39.04 deg F

Dew Point : -11.47 deg F

Pressure : 677.89 mbar

Wind Speed : 3.8 mph

Wind Direction : 219.5 deg

Skies: Clear sky with a hazy above 10,000 ft.

____end____

BY lisapg: Wed Apr 01 17:30:40 GMT 2026

Battery this morning was at 54%, starting up operations.

____end____

GENERAL COMMENT BY lisapg: Wed Apr 01 17:44:15 GMT 2026

Dome open

____end____

** KCOR PM lisapg ** : Wed Apr 01 17:44:22 GMT 2026

Blew off Kcor 01

____end____

BY lisapg: Wed Apr 01 18:07:47 GMT 2026

RA was falling this morning when we got SGS on the Sun. Seems the PID values that were put in yesterday were not saved. Checked yesterdays log and imputed them as follows

PID

RA

KC: 30.000

T1:0.007

RA is back up and settled now, starting up KCor focus.

____end____

GENERAL COMMENT BY lisapg: Wed Apr 01 18:07:55 GMT 2026

Opened windows upstairs

____end____

KCOR BY lisapg: Wed Apr 01 18:28:19 GMT 2026

Kcor started up in the wrong state. Was able to get it back by stopping and starting up KCor observations again.

____end____

Wed Apr 01 18:51:42 GMT 2026 Report Time: 18:46:54 UTC

Image: 20260401_184005_kcor_l2_nrgf.gif

Obs time: 18:40:05

CME Front Height: 1.42 Rs (front)

CME Front Angle: 262.9

East Wing Angle: 250.4

West Wing Angle: 274.8

Angular Width: 24.4

CME Speed: moderate

CME Brightness: moderate

Confidence: medium

Seen in: nrgf

KCOR BY lisapg: Wed Apr 01 19:03:11 GMT 2026

Will hold off Kcor calibration due to activity on the West limb

____end____

Wed Apr 01 19:26:19 GMT 2026 Report Time: 19:24:04 UTC

Image: 20260401_191010_kcor_l2_nrgf.gif

Obs time: 19:10:10

CME Front Height: 1.58 Rs (front)

CME Front Angle: 277.9

East Wing Angle: 272.2

West Wing Angle: 283.6
Angular Width: 11.4
CME Speed: moderate
CME Brightness: faint
Confidence: medium
Seen in: nrgf

KCOR COMMENT BY lisapg: Wed Apr 01 20:40:09 GMT 2026

Holding off KCor calibration as we can still see activity propagating through the coron a very faintly.

____end____

KCOR COMMENT BY mcotter: Wed Apr 01 21:15:49 GMT 2026

Kcor Calibration has been selected by the observer.

The Kcor calibration routine was initiated at approximately 11:10 am HST.

____end____

Weather COMMENT BY mcotter: Wed Apr 01 21:38:43 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-04-01 21:29:00

Temperature : 48.67 deg F

Dew Point : -2.06 deg F

Pressure : 678.9 mbar

Wind Speed : 3.8 mph

Wind Direction : 331.2 deg

Skies: Clear skies in all directions with a light breeze from the North-Northwest. Currently no signs of aerosols. Very good observing conditions are continuing.

____end____

** KCOR PROBLEM REPORTED BY lisapg ** : Wed Apr 01 22:06:43 GMT 2026 entry was edited
KCor watch dog reported a connection time out after scp e:/20260401/avg/20260401_215245_kcor.fts. This one,
scp e:/20260401/avg/20260401_215215_kcor.fts,
scp e:/20260401/avg/20260401_215230_kcor.fts
did not have percentages attached.

Connection timed out twice before closing connection again. Global connect did not drop out for either the logger and Kcor.

When the connection closed, scp e:/20260401/avg/20260401_215245_kcor.fts updated to 100% but that was the only one to update. Next update was

scp e:/20260401/avg/20260401_215300_kcor.fts

____end____

Weather COMMENT BY lisapg: Wed Apr 01 22:14:25 GMT 2026

MLO Current Weather

Sky: A few wisps of clouds have popped up over to the Southeast shoulder of Mauna Loa; will keep a close eye but otherwise, clear.

____end____

** KCOR PROBLEM REPORTED BY lisapg ** : Wed Apr 01 22:17:12 GMT 2026 entry was edited
KCor watch dog reported 86% for scp e:/20260401/avg/20260401_221430_kcor.fts
Global connect stayed connected throughout.

____end____

Wed Apr 01 23:05:45 GMT 2026 Report Time: 23:05:21 UTC

Image: 20260401_000603_kcor_l2_nrgf.gif

Obs time: 00:06:03

CME Front Height: 1.71 Rs (front)

CME Front Angle: 326.8

East Wing Angle: 314.1

West Wing Angle: 353.5

Angular Width: 39.4

CME Speed: fast

CME Brightness: moderate

Confidence: high

Seen in: nrgf

Observer Comment: Very wide cme can be seen launching from the N-NW with a bright core.

GENERAL COMMENT BY lisapg: Wed Apr 01 23:07:54 GMT 2026

Logger crashed roughly at 22:16 UTC or 12:16 HST

____end____

** GENERAL PROBLEM REPORTED BY lisapg ** : Wed Apr 01 23:52:04 GMT 2026

Logger crashed again when trying to edit a comment

____end____

** GENERAL PROBLEM REPORTED BY lisapg ** : Wed Apr 01 23:58:00 GMT 2026

Logger crashed again when just trying to type a comment. Appears to be running very slow, doing a check in with Ben before restarting computer.

____end____

GENERAL COMMENT BY lisapg: Thu Apr 02 00:09:36 GMT 2026

Restart started Wahoo 2 to see if it will help with/fix the logger issue I'm seeing. Ben is looking into it from the database side of things.

____end____

BY lisapg: Thu Apr 02 00:16:53 GMT 2026

Logger crashed with no input provided. Also crashed when I tried to type in this comment.

____end____

KCOR COMMENT BY lisapg: Thu Apr 02 00:20:04 GMT 2026

Sky getting a bit bright and aerosols have picked up. Not great data at present but still clear.

____end____

GENERAL COMMENT BY lisapg: Thu Apr 02 00:21:25 GMT 2026

Ben had me do a git pull and then re-run the logger to hopefully fix the logger crashing. We shall see how it goes.

____end____

GENERAL COMMENT BY berkey: Thu Apr 02 00:23:47 GMT 2026

Updated the logger code to not block the GUI thread for DB updates or other background tasks. It seems a lot smoother now.

____end____

GENERAL COMMENT BY berkey: Thu Apr 02 00:39:16 GMT 2026

logger issues Fixed the auto scroll to the bottom on log refresh if the user scrolled a way from the bottom of the log. And removed the injection of "has been selected by the observer" into the log if a comment tag is manually selected.

____end____

GENERAL COMMENT BY lisapg: Thu Apr 02 00:56:52 GMT 2026 entry was edited

Ran kcor_daily_check.py before shutting down kcor

____end____

Logger COMMENT BY lisapg: Thu Apr 02 01:05:53 GMT 2026

Log closed

ONSITE STAFF: lisapg, mcotter

____end____