
Mauna Loa Solar Observatory Observer's Log

Sat May 23 16:33:43 GMT 2026

Year:26 Doy:143

Observer: mcotter

Weather COMMENT BY mcotter: Sat May 23 16:35:32 GMT 2026 entry was edited

MLO Current Weather

Timestamp (UTC): 2026-05-23 16:29:00

Temperature : 43.57 deg F

Dew Point : -12.03 deg F

Pressure : 677.77 mbar

Wind Speed : 14.09 mph

Wind Direction : 149.0 deg

Skies: Clear skies in all directions with a hazy blue inversion layer visible on the horizon above Haleakala summit. Very gust wind blowing from the southwest.

____end____

GENERAL COMMENT BY lisapg: Sat May 23 16:46:20 GMT 2026

Dome open

____end____

** KCOR PM lisapg ** : Sat May 23 16:46:33 GMT 2026

Blew off Kcor 01

____end____

BY lisapg: Sat May 23 16:48:43 GMT 2026

Kcor above dome

____end____

Sat May 23 16:51:21 GMT 2026 Kcor Focus/alignment program exited

Sat May 23 16:53:05 GMT 2026 KCOR Start Synoptic Patrol

Weather COMMENT BY lisapg: Sat May 23 16:53:18 GMT 2026

MLO Current Weather

Skies: Sky is a little bright but maybe not too bright. Starting Kcor observing GUI

____end____

GENERAL COMMENT BY lisapg: Sat May 23 17:14:24 GMT 2026

Did an inspection of the facility, inside and out, since there was a magnitude 6 earthquake to the Southwest of here (roughly 16 miles as the crow flies) yesterday evening. Besides a bottle of sunscreen toppled, nothing seemed out of place or damaged; panels/equipment looked undisturbed as well.

____end____

GENERAL COMMENT BY lisapg: Sat May 23 18:32:28 GMT 2026

Holding off on Kcor calibrations as there is faint movement in the NW.

____end____

Sat May 23 19:16:36 GMT 2026 Report Time: 19:16:19 UTC

Image: 20260523_190410_kcor_l2_nrgf.gif

Obs time: 19:04:10

CME Front Height: 1.98 Rs (front)

CME Front Angle: 49.0

East Wing Angle: 33.9

CME Speed: moderate

CME Brightness: faint

Confidence: medium

Seen in: nrgf

Observer Comment: Very faint cme, cannot see one side of it in NRGF

Sat May 23 19:27:25 GMT 2026 Report Time: 19:27:09 UTC

Image: 20260523_182211_kcor_l2_nrgf.gif

Obs time: 18:22:11

CME Front Height: 1.41 Rs (front)

CME Front Angle: 291.4

East Wing Angle: 279.4

West Wing Angle: 303.7

Angular Width: 24.3

CME Speed: slow

CME Brightness: faint

Confidence: medium

Seen in: nrgf

Observer Comment: Possibly slow cme in the W-NW that may or may not fade before long

Sat May 23 19:48:54 GMT 2026 Report Time: 19:48:34 UTC

Image: 20260523_194004_kcor_l2_nrgf.gif

Obs time: 19:40:04

CME Front Height: 2.20 Rs (front)

CME Front Angle: 42.4

East Wing Angle: 33.0

West Wing Angle: 58.9

Angular Width: 25.9

CME Speed: fast

CME Brightness: moderate

Confidence: medium

Seen in: nrgf

Observer Comment: Fast cme after the initial one earlier this morning.

Sat May 23 21:43:24 GMT 2026 KCOR End Patrol

Sat May 23 21:43:25 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat May 23 21:58:36 GMT 2026 KCOR End Calibration Script

Sat May 23 21:58:52 GMT 2026 KCOR Start Synoptic Patrol

Sat May 23 21:58:53 GMT 2026 KCOR Start Synoptic Patrol

Weather COMMENT BY lisapg: Sat May 23 22:04:09 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-23 21:59:00

Temperature : 58.48 deg F

Dew Point : 27.05 deg F

Pressure : 679.24 mbar

Wind Speed : 10.96 mph

Wind Direction : 340.9 deg

Skies: Aerosols are getting a bit heavy, so the calibration may not be great but the sky is clear.

__end__

GENERAL COMMENT BY lisapg: Sat May 23 22:24:15 GMT 2026

Had a row of the eco flow solar panels completely flip over due to the wind, causing us to lose about 900 watts. Once we flipped them back over and checked the wiring, we got back those watts.

__end__

Sun May 24 00:24:25 GMT 2026 KCOR End Patrol

KCOR COMMENT BY KCOR: Sun May 24 00:25:21 GMT 2026

KCOR file transfer report

KCor created 1791 .bin files

1790 .fts files

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

20260524_002432_kcor.bin

Remote site is complete ? no rsync required.

__end__

GENERAL COMMENT BY lisapg: Sun May 24 00:29:30 GMT 2026

Dome closed

__end__

GENERAL COMMENT BY lisapg: Sun May 24 00:30:26 GMT 2026

A bit bright at the start of the day and the aerosols got have after 10 am HST but it was a nice day to take data! Hope tomorrow is just as wonderful.

__end__

Logger COMMENT BY lisapg: Sun May 24 00:30:27 GMT 2026

Log closed

ONSITE STAFF: lisapg, mcotter

__end__