
Mauna Loa Solar Observatory Observer's Log

Tue Apr 28 16:43:32 GMT 2026

Year:26 Doy:118

Observer: mcotter

Weather COMMENT BY mcotter: Tue Apr 28 16:43:40 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-04-28 16:35:00

Temperature : 38.16 deg F

Dew Point : -5.1 deg F

Pressure : 677.88 mbar

Wind Speed : 10.51 mph

Wind Direction : 226.2 deg

Skies: Heavily overcast skies in all direction below 10,000' elevation. Thin inversion layer visible on the horizon above Haleakala: cannot see Maui. There does not appear to be much wind so I suspect that the wind speed anemometer is not functioning properly.

____end____

KCOR COMMENT BY mcotter: Tue Apr 28 16:45:57 GMT 2026

Kcor:

The Kcor ILX was reading 28.3 deg C when I arrived this morning at approximately 0630 H ST.

____end____

GENERAL COMMENT BY mcotter: Tue Apr 28 16:47:58 GMT 2026

Power Supply Levels.

The power levels upon arrival were as follows:

ECO FLO Power Unit: 69%

YETI Power Unit: 66%.

____end____

KCOR COMMENT BY mcotter: Tue Apr 28 16:49:54 GMT 2026

Kcor Started:

Using the new method of operation that Ben had developed, I successfully started the Kc or power strip via the icon located on the Wahoo 2 computer desktop.

____end____

GENERAL COMMENT BY mcotter: Tue Apr 28 16:51:16 GMT 2026

Global Protect connected on both computers.

____end____

Tue Apr 28 17:32:05 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Apr 28 17:43:32 GMT 2026

Kcor heater modulator is still at 29.8, updating the crontab to be 1 hour earlier.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Apr 28 17:51:50 GMT 2026

Internet down Network drop out power cycled the fiber media converter and it came back up.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Apr 28 18:11:27 GMT 2026

Internet down Network drop out power cycled the fiber media converter and it came back up.

____end____

** KCOR PM mcotter ** : Tue Apr 28 18:20:54 GMT 2026

KCor Occulter WAS NOT SWAPPED OUT THIS MORNING.

Due to maintenance being performed, establishing procedural updates and changing startu p sequences it was decided that the Kcor Instrument would not have the occulter changed out today, but will have it changed out tomorrow, Wednesday April 29, 2026.

____end____

Weather COMMENT BY mcotter: Tue Apr 28 18:25:34 GMT 2026

Weather:

Clouds have quickly pushed their way up from the Saddle Valley and are now encroaching over the science and observing area.

____end____

KCOR COMMENT BY mcotter: Tue Apr 28 18:27:46 GMT 2026

Kcor Stopped:

The Kcor Instrument has been stopped due to clouds over the observing area.

____end____

GENERAL COMMENT BY mcotter: Tue Apr 28 18:29:15 GMT 2026

Dome closed:

The dome has been closed due to clouds coming up the the Saddle Valley and encroaching over the observatory.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Apr 28 18:39:47 GMT 2026

Internet down

Tested a second media converter but it failed to even connect. Reverted the the existing media converter and cleaned optical connections. It is running now.

____end____

Tue Apr 28 18:44:56 GMT 2026 Kcor Focus/alignment program exited

Weather COMMENT BY mcotter: Tue Apr 28 19:33:15 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-04-28 19:26:00

Temperature : 44.54 deg F

Dew Point : 36.16 deg F

Pressure : 679.35 mbar

Wind Speed : 5.82 mph

Wind Direction : 31.5 deg

Skies: The clouds that had encroached over the observatory have now retreated back down into the Saddle Valley, but they are still of concern and we will need to continue to closely monitor them. The sky conditions over the observatory and in the viewing area is now clear.

____end____

GENERAL COMMENT BY mcotter: Tue Apr 28 19:36:48 GMT 2026

Dome open:

The dome shutters have been re-opened, but we have left the lower shutter door approximately half open and the upper shutter door is approximately half open. If the clouds continue to stay away from the viewing area we will open the upper shutter door fully open for continuing observations.

____end____

KCOR COMMENT BY mcotter: Tue Apr 28 19:37:34 GMT 2026

Kcor Started:

The Kcor Instrument is again on sky and observing.

____end____

** KCOR PM mcotter ** : Tue Apr 28 19:48:52 GMT 2026

Blew off Kcor 01:

This morning before observing the Kcor 01 was blown off.

____end____

** GENERAL PROBLEM REPORTED BY mcotter ** : Tue Apr 28 19:53:14 GMT 2026

Internet down:

We have encountered issues with the internet going down several times. We have been able to successfully reconnect just by reconnecting Global Protect.

____end____

Weather COMMENT BY mcotter: Tue Apr 28 20:06:32 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-04-28 19:59:00

Temperature : 49.89 deg F

Dew Point : 37.33 deg F

Pressure : 679.53 mbar

Wind Speed : 10.07 mph

Wind Direction : 337.6 deg

Skies: Orographic clouds have swiftly blown up the Maunaloa slopes into the science area and over the observatory. The sky is quickly becoming mostly overcast.

____end____

KCOR COMMENT BY mcotter: Tue Apr 28 20:07:36 GMT 2026

Kcor:

The Kcor Instrument has been stopped due to cloud coverage in the viewing area.

____end____

GENERAL COMMENT BY mcotter: Tue Apr 28 20:08:59 GMT 2026

Dome closed:

The dome and windows have been closed at this time due to cloud coverage over the observatory.

____end____

KCOR COMMENT BY KCOR: Tue Apr 28 20:14:58 GMT 2026

KCOR file transfer report

KCor created 429 .bin files

425 .fts files

NOTICE ? 4 .bin file(s) with no matching .fts:

20260428_181710_kcor.bin

20260428_193022_kcor.bin

20260428_193037_kcor.bin

20260428_195607_kcor.bin

WARNING 32 fts file(s) found locally that was not transferred dawn

ACTION must be taken to copy:

20260428_174851_kcor.fts

20260428_174906_kcor.fts

20260428_174921_kcor.fts

20260428_180617_kcor.fts

20260428_180633_kcor.fts

20260428_180648_kcor.fts

20260428_180703_kcor.fts

20260428_180718_kcor.fts

20260428_180733_kcor.fts

20260428_180748_kcor.fts

20260428_180804_kcor.fts

20260428_180819_kcor.fts

20260428_180834_kcor.fts

20260428_181655_kcor.fts

20260428_184813_kcor.fts

20260428_184828_kcor.fts

20260428_184843_kcor.fts

20260428_184858_kcor.fts

20260428_184929_kcor.fts

20260428_184944_kcor.fts

20260428_184959_kcor.fts

20260428_185029_kcor.fts

20260428_185045_kcor.fts

20260428_185100_kcor.fts

20260428_185331_kcor.fts

20260428_185402_kcor.fts

20260428_191028_kcor.fts

20260428_191043_kcor.fts

20260428_191058_kcor.fts

20260428_191113_kcor.fts

20260428_191129_kcor.fts

20260428_191144_kcor.fts

____end____

Solar Event COMMENT BY mcotter: Tue Apr 28 20:18:13 GMT 2026 entry was edited

Observed Prominence to be erupting

Time: 19:18:14

PA: 255 Deg.

Height: 1.11 Rs

____end____

BY mcotter: Wed Apr 29 00:05:18 GMT 2026

Updated the end of day script to check for missing files and incomplete files in raw/transfer/YYYYMMDD

____end____

KCOR COMMENT BY mcotter: Wed Apr 29 00:06:27 GMT 2026

Updated the kcor mc4u code to turn on the ilx output if needed.

____end____

Logger COMMENT BY mcotter: Wed Apr 29 00:07:12 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____