
Mauna Loa Solar Observatory Observer's Log

Wed Jun 10 17:05:50 GMT 2026

Year:26 Doy:161

Observer: berkey

Weather COMMENT BY berkey: Wed Jun 10 17:07:58 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-06-10 17:05:00

Temperature : 51.69 deg F

Dew Point : 6.76 deg F

Pressure : 681.99 mbar

Wind Speed : 0.45 mph

Wind Direction : 125.7 deg

Skies: patchy cirrus

____end____

GENERAL COMMENT BY berkey: Wed Jun 10 17:08:03 GMT 2026

Dome open

____end____

** KCOR PM berkey ** : Wed Jun 10 17:08:09 GMT 2026

Blew off Kcor 01

____end____

Wed Jun 10 17:17:58 GMT 2026 Kcor Focus/alignment program exited

Wed Jun 10 17:23:05 GMT 2026 Kcor Focus/alignment program exited

Wed Jun 10 17:25:00 GMT 2026 KCOR Start Synoptic Patrol

UCOMP COMMENT BY berkey: Wed Jun 10 17:27:54 GMT 2026

Kcor realtime software

Updated kcor SGS averaging code to compute targets based on the last N "good" values.
Current setting has N = 80. At this point the SGSRAZR/SGSDECZR keywords should hold
fixed values for the first ~20 minutes of observations then start tracking the mean error
of the last 80 values for every new image after the first 80.

____end____

Wed Jun 10 17:39:13 GMT 2026 Report Time: 17:39:02 UTC

Image: 20260610_173013_kcor_l2_nrgf.gif

Obs time: 17:30:13

CME Front Height: 1.65 Rs (front)

CME Front Angle: 78.5

East Wing Angle: 69.4

West Wing Angle: 95.6

Angular Width: 26.2

CME Speed: fast

CME Brightness: bright

Confidence: medium

Seen in: nrgf

Observer Comment: CME launch before sunrise at MLSO

Wed Jun 10 17:42:40 GMT 2026 KCOR End Patrol

KCOR COMMENT BY KCOR: Wed Jun 10 19:49:19 GMT 2026

KCOR file transfer report

KCor created 444 .bin files

439 .fts files

NOTICE ? 5 .bin file(s) with no matching .fts:

20260610_174453_kcor.bin

20260610_175851_kcor.bin

20260610_183459_kcor.bin

20260610_183918_kcor.bin

20260610_193150_kcor.bin

WARNING 10 fts file(s) found locally that was not transferred down

ACTION must be taken to copy:

20260610_175635_kcor.fts

20260610_175650_kcor.fts

20260610_175705_kcor.fts

20260610_175720_kcor.fts

20260610_175735_kcor.fts

20260610_175751_kcor.fts
20260610_175806_kcor.fts
20260610_175821_kcor.fts
20260610_175836_kcor.fts
20260610_180811_kcor.fts

____end____

Weather COMMENT BY berkey: Wed Jun 10 19:52:18 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-06-10 19:44:00

Temperature : 54.68 deg F

Dew Point : 29.53 deg F

Pressure : 682.49 mbar

Wind Speed : 10.51 mph

Wind Direction : 16.7 deg

Skies: cirrus becoming a problem.

____end____

GENERAL COMMENT BY berkey: Wed Jun 10 19:52:50 GMT 2026

Building maintenance Facility inspection team is onsite.

____end____

GENERAL COMMENT BY berkey: Wed Jun 10 21:28:44 GMT 2026

Working with NETs and UH we have a good config for the high power routers and should be able to switch over to it when we re-power the building with minimal (1 minute?) downtime. The issue was 2 config settings for link speed and ip addresses in the MLSO side equipment.

After completing the test we reverted the config we were running this morning.

____end____

GENERAL COMMENT BY berkey: Thu Jun 11 00:19:12 GMT 2026

Kcor realtime software.

A bug was found in the Kcor SGS code. Instead of not processing non-coronal (or bad) images NaN's were queued causing the code to never compute new values for the guider. A fix is in place but cannot be tested with the poor weather.

____end____

Logger COMMENT BY berkey: Thu Jun 11 00:19:58 GMT 2026

Log closed

ONSITE STAFF: berkey

____end____