
Mauna Loa Solar Observatory Observer's Log

Tue May 26 16:49:06 GMT 2026

Year:26 Doy:146

Observer: berkey

Weather COMMENT BY berkey: Tue May 26 16:49:55 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-26 16:47:00

Temperature : 47.91 deg F

Dew Point : -12.35 deg F

Pressure : 680.4 mbar

Wind Speed : 9.62 mph

Wind Direction : 139.5 deg

Skies: clear

____end____

GENERAL COMMENT BY berkey: Tue May 26 16:50:01 GMT 2026

Dome open

____end____

** KCOR PM berkey ** : Tue May 26 16:50:10 GMT 2026

Blew off Kcor 01

____end____

** KCOR PM berkey ** : Tue May 26 16:50:14 GMT 2026

Blew off Kcor Field Lens

____end____

Tue May 26 17:04:03 GMT 2026 Kcor Focus/alignment program exited

Tue May 26 17:07:18 GMT 2026 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Tue May 26 17:20:44 GMT 2026

Kcor realtime software added a small change to the synoptic code to verify if the DIFFUSER, COVER and CALPOL metadata is Out. If these values show up as MID or IN in the header the code now "highlights" them as read.

This should catch the error we have had in the mornings after code start of the KCor MC4u controller; where we were explicitly reading back the location of the mechanisms.

If observers notice a RED metadata when they think we are taking science data the offending stage should be explicitly commanded with the MC4u GUI to the location that it is either expected or visually verified to be located.

For example: typically at facility start up the DIFFUSER is out of the beam but the metadata maybe shown as Mid. Pushing the DIFFUSER out button command the DIFFUSER to move, where it would identify that it is at the OUT beam limit switch and update the metadata without actually moving.

____end____

Tue May 26 17:27:25 GMT 2026 KCOR Start Synoptic Patrol

Tue May 26 17:44:09 GMT 2026 Kcor Focus/alignment program exited

Tue May 26 18:01:56 GMT 2026 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Tue May 26 19:32:46 GMT 2026

Dome closed lower shutter for some wind screening.

____end____

Tue May 26 19:38:24 GMT 2026 KCOR End Patrol

Tue May 26 19:38:25 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue May 26 19:53:39 GMT 2026 KCOR End Calibration Script

Tue May 26 19:53:56 GMT 2026 KCOR Start Synoptic Patrol

Tue May 26 19:53:57 GMT 2026 KCOR Start Synoptic Patrol

Solar Event COMMENT BY berkey: Wed May 27 00:48:05 GMT 2026

Observed Prominence Interesting prominence? structure seen in kcor near PA 70 significantly brighter than I would have expected based on what I see in SDO but no related features appear in h-alpha. The feature has had some evolution over the course of the day but has remained bright.

____end____

KCOR COMMENT BY KCOR: Wed May 27 00:48:46 GMT 2026

KCOR file transfer report

KCor created 1803 .bin files

1800 .fts files

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

20260526_170800_kcor.bin

20260526_173904_kcor.bin

20260527_004749_kcor.bin

Remote site is complete ? no rsync required.

___end___

GENERAL COMMENT BY berkey: Wed May 27 01:10:42 GMT 2026

EPC on site since 11-3. Panel install and inside electrical work.

___end___

Logger COMMENT BY berkey: Wed May 27 01:10:47 GMT 2026

Log closed

ONSITE STAFF: berkey

___end___