
Mauna Loa Solar Observatory Observer's Log

Thu Jul 16 16:00:15 GMT 2026

Year:26 Doy:197

Observer: lisapg

Weather COMMENT BY lisapg: Thu Jul 16 16:16:37 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-07-16 16:11:00

Temperature : 46.51 deg F

Dew Point : -15.77 deg F

Pressure : 679.38 mbar

Wind Speed : 14.54 mph

Wind Direction : 175.5 deg

Skies: Bands of cirrus in the Suns path at present waiting for better conditions before starting.

____end____

Weather COMMENT BY lisapg: Thu Jul 16 17:01:22 GMT 2026

MLO Current Weather

Skies: Sky too bright at present, waiting for better conditions

____end____

Thu Jul 16 17:09:31 GMT 2026 Kcor Focus/alignment program exited

Thu Jul 16 17:10:28 GMT 2026 KCOR Start Synoptic Patrol

Thu Jul 16 17:20:09 GMT 2026 KCOR End Patrol

Thu Jul 16 17:20:20 GMT 2026 KCOR End Patrol

Thu Jul 16 17:31:43 GMT 2026 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Thu Jul 16 17:42:58 GMT 2026

EPC on site

____end____

Thu Jul 16 19:30:59 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

** GENERAL PROBLEM REPORTED BY lisapg ** : Thu Jul 16 19:41:50 GMT 2026 entry was edited

Internet down

The issue was planned work on the UH system. Overall down time was about 5 minutes.

____end____

Weather COMMENT BY lisapg: Thu Jul 16 19:51:37 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-07-16 19:47:00

Temperature : 59.13 deg F

Dew Point : 9.66 deg F

Pressure : 680.8 mbar

Wind Speed : 1.79 mph

Wind Direction : 41.5 deg

Skies: Cirrus crossing at present, KCor stopped

____end____

KCOR COMMENT BY KCOR: Fri Jul 17 01:15:41 GMT 2026

KCOR file transfer report

KCor created 1398 .bin files

1394 .fts files

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

20260716_174245_kcor.bin

20260716_214620_kcor.bin

20260716_225257_kcor.bin

20260717_010735_kcor.bin

WARNING 29 fts file(s) found locally that was not transferred dawn

ACTION must be taken to copy:

20260716_193410_kcor.fts

20260716_193425_kcor.fts

20260716_193440_kcor.fts

20260716_193456_kcor.fts

20260716_193511_kcor.fts

20260716_193526_kcor.fts

20260716_193541_kcor.fts

20260716_193556_kcor.fts

20260716_193611_kcor.fts

20260716_193627_kcor.fts
20260716_193642_kcor.fts
20260716_193657_kcor.fts
20260716_193712_kcor.fts
20260716_193727_kcor.fts
20260716_193742_kcor.fts
20260716_193758_kcor.fts
20260716_193813_kcor.fts
20260716_193828_kcor.fts
20260716_193843_kcor.fts
20260716_193858_kcor.fts
20260716_193913_kcor.fts
20260716_193929_kcor.fts
20260716_193944_kcor.fts
20260716_193959_kcor.fts
20260716_194014_kcor.fts
20260716_194029_kcor.fts
20260716_194044_kcor.fts
20260716_194100_kcor.fts
20260716_194115_kcor.fts

____end____

GENERAL COMMENT BY lisapg: Fri Jul 17 01:15:47 GMT 2026

EPC failed to get the inverters to boot up. It is possible the batteries are not compatible with the new inverter. More research is needed.

____end____

GENERAL COMMENT BY lisapg: Fri Jul 17 01:23:28 GMT 2026

Kcor realtime software

This afternoon the kcor pointing control software was changed to be less aggressive in its tracking. We only look at the pixels near the occulter instead of the full array.

And we have decreased the exponent in the exponential moving average and seen a smaller fraction of the correct at each period. The tracking seemed to do ok during the heavy aerosols.

____end____

Logger COMMENT BY lisapg: Fri Jul 17 01:23:31 GMT 2026

Log closed

ONSITE STAFF: berkey, lisapg

____end____