
Mauna Loa Solar Observatory Observer's Log

Mon Sep 21 18:31:41 GMT 2026

Year:26 Doy:264

Observer: berkey

Weather COMMENT BY berkey: Mon Sep 21 18:32:10 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-09-21 18:29:00

Temperature : 53.62 deg F

Dew Point : 7.25 deg F

Pressure : 682.91 mbar

Wind Speed : 10.96 mph

Wind Direction : 90.1 deg

Skies: cirrus overcast.

____end____

Mon Sep 21 20:22:18 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Sep 21 20:39:53 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Sep 21 20:40:24 GMT 2026 KCOR ABORT Calibration Script

Mon Sep 21 20:43:27 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Sep 21 20:48:04 GMT 2026 KCOR ABORT Calibration Script

UCOMP COMMENT BY berkey: Mon Sep 21 20:50:31 GMT 2026

Kcor calibration code wasn't capturing meta-data for the parker dark shutter. A fix has been applied to address this and spot checking the fits data looks correct.

____end____

GENERAL COMMENT BY berkey: Mon Sep 21 21:05:22 GMT 2026 entry was edited

noaa construction digging next to the observatory has started.

____end____

UCOMP COMMENT BY berkey: Tue Sep 22 01:47:06 GMT 2026

Tested filter wheel control over various USB cables and hubs, it was found that in most configuration the filter wheel would either not work or periodically drop out.

switching over to a USB over ethernet cable we found a configuration that allowed control of the filter wheel over extended periods of time with no issues. The (gray) ethernet is partially pulled into the cable wrap onto the spar; this should allow us to observe without damaging the cable for the next few days; but will allow for quick changes if needed. If we find the filter wheel works well in this configuration we will need to do a better job adding the cable to the wire wrap.

More filter wheel testing needed

____end____

KCOR COMMENT BY berkey: Tue Sep 22 01:54:13 GMT 2026

To search for the source of a reported "dark" region in the NE.

No object were found in the beam during this inspection, however some discoloration (damage?) of the sun side of the field lens was seen slightly off center toward the SW.

During this inspection the lens was removed for photographing; clocking of the spot was not observed/respected during the installation, so in all likelihood it rotated.

While the instrument was open the band pass, field lens and modulator surfaces optical surfaces were blown off. And only the band pass filter was observed to have any accumulation of material that suggested a need. (The band pass is fairly far from focus so we do not expect dust on this to show up as spatial features).

____end____

GENERAL COMMENT BY berkey: Tue Sep 22 01:55:22 GMT 2026

Poor day for observing. Skies never looked completely clear of thin cirrus with the best (of the marginal) skies showing up during digging /dust creation next to the dome.

____end____

GENERAL COMMENT BY berkey: Tue Sep 22 01:58:55 GMT 2026

Staff from TIDDBIT were on site to retrieve some equipment today.

They also seemed interested in other future instrumentation at MLSO/MLO including working on an FPI with Qian. The TIDDBIT team is associated with Orion Space who made some

of the GPS instrumentation that Qian perviously had on site. I expect Walter/Tristan will reach out to HAO at some point about some space weather related instruments.

____end____

Logger COMMENT BY berkey: Tue Sep 22 02:01:15 GMT 2026

Log closed

ONSITE STAFF: berkey

____end____