
Mauna Loa Solar Observatory Observer's Log

Thu May 14 17:08:19 GMT 2026

Year:26 Doy:134

Observer: berkey

Weather COMMENT BY berkey: Thu May 14 17:08:35 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-14 17:05:00

Temperature : 48.96 deg F

Dew Point : 4.95 deg F

Pressure : 679.31 mbar

Wind Speed : 2.91 mph

Wind Direction : 254.9 deg

Skies: cirrus overcast

____end____

KCOR COMMENT BY berkey: Fri May 15 00:01:09 GMT 2026

The new KCor dark shutter was tested for functionality.

- Power supply and controller have been installed in the AUX nema box
- Shutter was temporarily connected to the cabling in the instrument box for end to end functional testing, with the NI Max test panel. Shutter acted as expected.
- The shutter was then removed from the instrument box. And cabling restored to drive the old parker shutter.
- The new shutter power supply was then unplugged from the distribution switch in the AUX nema box.

Kcor hardware was then tested to verify functionality of the camera, modulator and mechanisms control systems. Socketcam was allowed to collect 2 or 3 images. (note the end of day and data log script was not run before powering down the computer. But the data was marked as testing and the dome was closed so it will not be powered back on for the transfer.

To-do before switching over to the new shutter.

- Update the software to trigger and get feedback from the new system.
- Swing the CD-217 cable from the MC4u nema box to the DB-25 plug in the AUX box
- Remove the parker shutters from the instrument, and install the new uniblitz shutter

____end____

Weather COMMENT BY berkey: Fri May 15 00:01:59 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-14 23:59:00

Temperature : 48.52 deg F

Dew Point : 46.85 deg F

Pressure : 679.16 mbar

Wind Speed : 10.74 mph

Wind Direction : 6.6 deg

Skies: blowing fog.

____end____

Logger COMMENT BY berkey: Fri May 15 00:03:01 GMT 2026

Log closed

ONSITE STAFF: berkey, Rebecca and Jay from Facilities

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