
Mauna Loa Solar Observatory Observer's Log

Tue Jun 09 17:29:45 GMT 2026

Year:26 Doy:160

Observer: berkey

Weather COMMENT BY berkey: Tue Jun 09 17:29:58 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-06-09 17:26:00

Temperature : 55.62 deg F

Dew Point : -3.55 deg F

Pressure : 681.12 mbar

Wind Speed : 2.01 mph

Wind Direction : 291.6 deg

Skies: patchy overcast

____end____

GENERAL COMMENT BY berkey: Tue Jun 09 22:07:24 GMT 2026

Dome open

Briefly tried to get on sky with Kcor, the high clouds cleared around the the time of the slope breeze. By time kcor was powered up low clouds prevented ops.

____end____

Tue Jun 09 22:49:52 GMT 2026 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Wed Jun 10 00:04:06 GMT 2026

Inverter C (the left most) over heated and burnt its neutral leg.

The solar installation is on hold pending a resolution on the decision to replace inverter C or purchase a 3-phase inverter.

____end____

GENERAL COMMENT BY berkey: Wed Jun 10 01:19:00 GMT 2026

Network changes Spent some time working with NETS this morning to configure the big cisco switch to act as our main network equipment. We made progress in configuring the device but we were unable to get it to talk to UH.

One thing that was found during this work, is we were using the wrong jumper fiber between the MLSO-SHOP and SHOP-UCHIDA. The whole path is multimode, but the jumper was single mode. This jumper was replaced with an SC-LC MM jumper, which should increase the SNR on the link.

Before we made the change the link SNR was near the lower limit of what our hardware can handle. When we get the root password for the switch from NETs we will be able to see how much this changed the link quality.

____end____

UCOMP COMMENT BY berkey: Wed Jun 10 01:23:34 GMT 2026

ucomp realtime software

The camera readout code was updated to put the camera in to "live" readout mode. We did not have this in the code before, but reading out the manual this seems like a requirement for the camera to be in a mode to respond to triggers. I am not sure why it worked on the old computer in the older version of labview. I think this is the correct mode to do this.

UCOMP realtime code now seems like it would be ready to test on sky. However with the current power levels it is unlikely we can get it into a state where we are ready to take science data until we sort out the inverters.

Next steps will be make sure the START,STOP,PAUSE buttons work in the new way we want to handle disruptions.

____end____

Logger COMMENT BY berkey: Wed Jun 10 01:25:20 GMT 2026

Log closed

ONSITE STAFF: berkey

____end____