
Mauna Loa Solar Observatory Observer's Log

Wed Sep 16 16:53:29 GMT 2026

Year:26 Doy:259

Observer: berkey

GENERAL COMMENT BY berkey: Wed Sep 16 16:59:38 GMT 2026

Dome open

____end____

Weather COMMENT BY berkey: Wed Sep 16 17:01:23 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-09-16 16:56:00

Temperature : 46.94 deg F

Dew Point : 14.04 deg F

Pressure : 681.63 mbar

Wind Speed : 1.34 mph

Wind Direction : 271.2 deg

Skies: clear

____end____

Wed Sep 16 17:17:52 GMT 2026 Kcor Focus/alignment program exited

Wed Sep 16 18:16:50 GMT 2026 Kcor Focus/alignment program exited

** UCOMP PROBLEM REPORTED BY berkey ** : Wed Sep 16 18:25:24 GMT 2026

ucomp hardware changes

The dark shutter power supply popped a fuse. The fuse F-3 was replaced and the shutter is operational again.

Troubleshooting, showed the ucomp-controller showed delays waiting for the shutter (started yesterday) and Mech-controller appeared to hang or act slow when the shutter move button is pressed.

Then the piggy back in the dome cover was pulled off to find the shutter driver VDC which should have been 24 V but we got 0 V. Opening the piggy back power supply box, power was found on the input filter but not on the shutter power supply. Fused F-3 was checked to find that it had blown.

On replacing with the fuse with a spare the shutter started working from the mech-controller again.

____end____

GENERAL COMMENT BY berkey: Wed Sep 16 18:53:33 GMT 2026

Heavy aerosols today.

____end____

Wed Sep 16 19:10:22 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

** UCOMP PROBLEM REPORTED BY berkey ** : Wed Sep 16 19:18:35 GMT 2026

Ucomp filter wheel crashing again.

____end____

Wed Sep 16 19:25:34 GMT 2026 KCOR End Calibration Script

** UCOMP PROBLEM REPORTED BY berkey ** : Wed Sep 16 19:56:06 GMT 2026

UCOMP dark shutter driver burnt up.

____end____

Wed Sep 16 19:58:28 GMT 2026 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Wed Sep 16 20:45:47 GMT 2026

Dome closed for aerosol/dust

____end____

KCOR COMMENT BY KCOR: Wed Sep 16 21:51:55 GMT 2026

KCOR file transfer report

KCor created 527 .bin files

527 .fts files

Remote site is complete ? no rsync required.

____end____

KCOR COMMENT BY KCOR: Wed Sep 16 21:52:11 GMT 2026

KCOR file transfer report

KCor created 527 .bin files

527 .fts files

Remote site is complete ? no rsync required.

____end____

GENERAL COMMENT BY berkey: Wed Sep 16 22:06:27 GMT 2026 entry was edited
Heading off the mountain but UCoMP close dome testing is ongoing.

____end____

BY berkey: Thu Sep 17 04:09:17 GMT 2026

So far I am not seeing filterwheel issues now that the darkshutter controller has been removed. More remote work to continue tomorrow.

____end____

Logger COMMENT BY berkey: Thu Sep 17 04:10:03 GMT 2026

Log closed

ONSITE STAFF: berkey

____end____