
Mauna Loa Solar Observatory Observer's Log

Wed Sep 09 17:19:18 GMT 2026

Year:26 Doy:252

Observer: berkey

Weather COMMENT BY berkey: Wed Sep 09 17:19:56 GMT 2026 entry was edited

Skies bright but mostly clear above but we are below the inversion layer so fog could show up at any point.

____end____

** KCOR PM berkey ** : Wed Sep 09 17:20:01 GMT 2026

Blew off Kcor 01

____end____

** GENERAL PROBLEM REPORTED BY berkey ** : Wed Sep 09 17:23:02 GMT 2026

Internet down

Looks like there is a network issue in the Barnes building. Atlas/network UPS was beeping when we came on site. The beeping was reset but it looked like the network was online. But facility still appears down.

____end____

GENERAL COMMENT BY berkey: Wed Sep 09 18:00:47 GMT 2026 entry was edited

Dome closed

____end____

BY berkey: Wed Sep 09 19:00:41 GMT 2026

Tower construction team on site.

____end____

** Guider/spar PROBLEM REPORTED BY berkey ** : Wed Sep 09 19:06:39 GMT 2026

SGS prox sensor 5 V power supply failed.

On startup this morning all 3 prox sensor (home, +/- EOT travel) LEDs lite up on the GUI front panel. Trouble shooting showed the SOLA 5-5-100 T power supply did not have an "OK" led illuminated and the output showed 0 V while the input had the expected 120 V.

Further troubleshooting with the prox sensor load disconnected showed no short on the load side.

Power supply was then replaced with an onsite spare. New PS shows 5 V output and prox sensors show expected behavior.

Note the prox sensors do not effect guiding performance in SGS they are only used to provide feedback to the observer about where we are in the dec arm range and to provide an end of range limit system to prevent the dec arm from hitting a physical end of range.

____end____

GENERAL COMMENT BY berkey: Wed Sep 09 19:30:26 GMT 2026 entry was edited

Building maintenance electrical installers on site.

____end____

** GENERAL PROBLEM REPORTED BY berkey ** : Wed Sep 09 20:49:05 GMT 2026

Rebooting the Atlas inverter per instructions from that team brought the internet back online.

____end____

GENERAL COMMENT BY berkey: Wed Sep 09 23:30:33 GMT 2026

Tower construction team has left the mountain.

____end____

BY berkey: Thu Sep 10 00:58:35 GMT 2026

No data today.

____end____

GENERAL COMMENT BY berkey: Thu Sep 10 01:03:42 GMT 2026

Electricians cleaned up the old inverter step. Installed the 2-15K s that we plan to use, and are in the process of connected up the missing solar panels.

The outside team is in the process of connecting up all of the panels, during the last version ~8 were never cabled into a string.

____end____

Logger COMMENT BY berkey: Thu Sep 10 01:03:47 GMT 2026

Log closed

ONSITE STAFF: berkey

____end____

Logger COMMENT BY : Thu Sep 10 01:06:17 GMT 2026

Log closed

ONSITE STAFF:

____end____