Building maintenance:

The electrical contractor has finished the internal and external photovoltaic solar arr
ay wiring for the Mauna Loa Solar Observatory. Breaker Panel A and Panel B within the o
bservatory are now both energized. All applicable breakers within the panels are operat
ing and providing power to outlets and lights.

The dome power has been changed over to building power from the Eco Power unit.

The Eco Flo and Yeti power units are both plugged into building power and charging.

Other than the dome, all computer and instrument are still maintaining power through th
e Eco Flo and Yeti power units. During next week we will begin transferring the compute
r racks, computers and instruments to the building power in an methodical controlled ma
nner.
Weather COMMENT BY mcotter: Fri Sep 11 17:03:12 GMT 2026
MLSO Current Weather
Timestamp (UTC): 2026-09-11 16:56:00
Temperature   : 45.34 deg F
Dew Point   : 39.26 deg F
Pressure   : 679.24 mbar
Wind Speed   : 3.36 mph
Wind Direction : 212.0 deg

Skies: Heavy fog in the Saddle Valley up to approximately 7,000’ elevation. Wet road co
nditions all the way up to the observatory and at the observatory site.
The sky is crisscrossed in many areas with long bands of Cirrus clouds. The inversion l
ayer is visible on the horizon just at the peak of Hualalai. Little to no wind.
___end___
** GENERAL PROBLEM REPORTED BY mcotter ** : Fri Sep 11 17:09:19 GMT 2026
Internet down:

The Internet was down when I came in this morning giving me a small delay in getting th
e log going.

The Yeti power unit battery was at 0% when arrived onsite and there was no output on on
 the Yeti Power unit (the input to the Yeti was at 69 Watts).

I transferred the network power strip to the Eco Pro power unit to get the network oper
ating.

The Eco Pro unit battery was at 74%.
___end___
** GENERAL PROBLEM REPORTED BY mcotter ** : Fri Sep 11 17:41:41 GMT 2026
Internet down:

The reason for the internet being down this morning is because during the night the Yet
i power unit went completely offline. The batteries are now charging and should continu
e to come up to normal levels as the Sun continues to rise.
___end___
GENERAL COMMENT BY mcotter: Fri Sep 11 17:43:13 GMT 2026
Opened windows upstairs
___end___
GENERAL COMMENT BY mcotter: Fri Sep 11 17:43:18 GMT 2026
Dome open
___end___
** KCOR PM mcotter ** : Fri Sep 11 17:43:24 GMT 2026
Blew off Kcor O1
___end___
GENERAL COMMENT BY mcotter: Fri Sep 11 17:44:22 GMT 2026
The spar and Guider and computer have been turned on and the spar is now tracking the S
un.
___end___
KCOR COMMENT BY mcotter: Fri Sep 11 18:02:39 GMT 2026
Kcor:

The Kcor computer and instrument are powered up and on sky.

EDITED TO ADD BY mgalloy: Wed Sep 16 17:32:06 GMT 2026
Power is now available from the full solar panel array allowing the KCor hepa system to be turned on. The hepa system is now running. It had been turned off for nearly all of the 2026 KCor observations.

The sky continues to be covered in Cirrus clouds and possible Cirrostratus clouds, but as the Sun rises it may pass through some pukas in which observations may be taken.

Currently the instrument is pointing to clouds.
___end___
Fri Sep 11 18:25:43 GMT 2026 Kcor Focus/alignment program exited
KCOR COMMENT BY mcotter: Fri Sep 11 18:44:25 GMT 2026
Kcor:

The Sun has risen into a nice clear area of the sky and the Kcor instrument is now obse
rving.
___end___
Weather COMMENT BY mcotter: Fri Sep 11 19:45:36 GMT 2026
MLSO Current Weather
Timestamp (UTC): 2026-09-11 19:38:00
Temperature   : 53.62 deg F
Dew Point   : 38.45 deg F
Pressure   : 680.21 mbar
Wind Speed   : 7.83 mph
Wind Direction : 330.6 deg

Skies: The sky where the observing is taking place is a bit bright, as can be observed in the synoptic images.

Bands of Cirrus clouds continue to crisscross the sky, primarily to the south and west, with some Orographic clouds now coming up over the southeastern slope of Maunaloa.

The wind is increasing and is now blowing from the northeast.
___end___
KCOR COMMENT BY mcotter: Fri Sep 11 19:53:59 GMT 2026
Kcor:

Due to poor sky conditions observations have been paused.
___end___
KCOR COMMENT BY KCOR: Sat Sep 12 00:09:20 GMT 2026
KCOR file transfer report
KCor created 330 .bin files
330 .fts files
  Remote site is complete ? no rsync required.

___end___
GENERAL COMMENT BY mcotter: Sat Sep 12 01:20:28 GMT 2026
Dome open chasing sucker holes.
___end___
** UCOMP PM mcotter ** : Sat Sep 12 01:28:29 GMT 2026
The Ucomp O1 #1 Lens Mount had .010" thick teflon shims (installed with .005" thick dou
ble back tape) installed where the countersink depressions are located on the mount. W
hen the lens mount is loaded into the instrument two spring loaded conical shaped posts engage with the countersink depressions and secure the lens mount into place.
Previously, the lens mount required a brass shim to be installed between the O1 Mount a
nd the backplate in the instrument where the O1 Lens Mount rested due to a small bit of slop in the engagement. Now the O1 Lens Mount has a more secure feel with little to no discernible unwanted movement.
___end___
Sat Sep 12 01:29:11 GMT 2026 Kcor Focus/alignment program exited
KCOR COMMENT BY KCOR: Sat Sep 12 01:37:41 GMT 2026
KCOR file transfer report
KCor created 330 .bin files
330 .fts files
  Remote site is complete ? no rsync required.

___end___
** UCOMP PM mcotter ** : Sat Sep 12 01:50:11 GMT 2026
UCoMP Occulter swapped old# ** ,new# 31

**There was no occulter in the instrument before the #31 occulter was installed.
___end___
  BY mcotter: Sat Sep 12 02:05:13 GMT 2026
End Of Day:

The sky was crisscrossed with bands of Cirrus clouds since the start of the day. A peri
od of time in the mid morning offered some better sky conditions so we were able to get
 some observations done until late morning.
___end___
KCOR COMMENT BY mcotter: Sat Sep 12 02:09:41 GMT 2026
Kcor:

Several attempts were made to observe again but the sky remains very bright.
___end___
Logger COMMENT BY mcotter: Sat Sep 12 03:05:43 GMT 2026
Log closed
ONSITE STAFF: berkey, mcotter
___end___