
Mauna Loa Solar Observatory Observer's Log

Tue Sep 01 16:43:08 GMT 2026

Year:26 Doy:244

Observer: mcotter

Weather COMMENT BY mcotter: Tue Sep 01 16:49:48 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-01 16:41:00

Temperature : 44.62 deg F

Dew Point : 6.73 deg F

Pressure : 681.18 mbar

Wind Speed : 9.17 mph

Wind Direction : 155.4 deg

Skies: Current sky conditions are very poor with Cirrus and Cirrostratus clouds completely covering the sky in all directions.

Clouds in the Saddle Valley with rain and drizzle up to approximately 8,500' elevation.

The inversion layer is dark blue in color and is visible on the horizon just above Hualalai. Light wind from the southeast.

____end____

GENERAL COMMENT BY mcotter: Tue Sep 01 16:53:04 GMT 2026

Due to poor sky conditions the instruments and their computers will remain off and the dome will remain closed.

Present sky conditions look like they are here for the day, but observations will commence if conditions improve.

____end____

Weather COMMENT BY mcotter: Tue Sep 01 21:45:05 GMT 2026

MLSO Current Weather

Timestamp (UTC): 2026-09-01 21:38:00

Temperature : 59.56 deg F

Dew Point : 38.87 deg F

Pressure : 682.14 mbar

Wind Speed : 14.09 mph

Wind Direction : 349.7 deg

Skies: Sky conditions have not improved, but have actually worsened. The sky continues to be completely overcast with Cirrus and Cirrostratus clouds and there is a large halo around the Sun.

____end____

GENERAL COMMENT BY berkey: Tue Sep 01 23:43:24 GMT 2026

The MLSO network no longer runs through the Keeling building.

At about 8:30 this morning, we switched to the new temporary path, which should let us get through the next phase of construction with no network outages.

The old path is currently available until Keeling renovations kick off by moving a fiber jumper in the back of the top unit of the MLSO network rack. A ladder/step stool may be needed to reach the jumper, which needs to be moved to the next plug to the right.

UH should be informed if this move is made so they can see traffic where they expect it.

New network path is:

-MLSO patch panel-Barnes patch panel closest to the door (under the blue tarp),

-Turquoise Jumper fiber to the CRS112 port 12 white box on the opposite side of the racks under the tarp.

-Shared (with MLONet) Blue Cat6 Ethernet network cable from Barnes CRS112 across the driveway to UCHIDA RB5009 black box in the network rack.

The Barnes CRS112 is powered by the Atlas UPS, also under the blue tarp, which is powered by the Atlas Fortress Inverter/battery system inside the Barnes building.

The UCHIDA RB5009 is powered by an extension cord that crosses the driveway and is plugged into the East exterior wall of the NDACC building

____end____

GENERAL COMMENT BY berkey: Tue Sep 01 23:53:27 GMT 2026

NOAA had two contractors on site today.

One team was repairing the NDACC solar deck. This work should (or would) have had no impact on our observing.

The other team was preparing for the new tower foundation. They did a final survey of the footing locations. This included 4 7x7x4? holes needed for the guy wire anchors and an 11x11x4? tower foundation. They expect to begin mobilizing the equipment needed for the foundation work this week, with construction starting either late this week or early next week.

Access to the tower site will be between the new MLSO solar array and the NOAA tsunami seismograph and will involve removing a section of the wood and metal boardwalk, as well as a section of our unused utility power lines. This alignment will likely never be used again, but the plan will allow for the wires to be spliced back together if needed in the future. The foreman and his equipment operator both expressed a willingness/earnestness to work with us on dust mitigation and planning schedules to allow everyone to get work done.

____end____

Wed Sep 02 00:59:00 GMT 2026 Kcor Focus/alignment program exited

** KCOR PROBLEM REPORTED BY mcotter ** : Wed Sep 02 01:04:17 GMT 2026

Kcor circular acquisition error On startup at 01:00:52 to 01:01:08 polarization was in the wrong state.

____end____

GENERAL COMMENT BY mcotter: Wed Sep 02 01:18:18 GMT 2026

Sky conditions are marginal but thin cirrus is leading to mostly washed out images.

____end____

KCOR COMMENT BY KCOR: Wed Sep 02 01:21:04 GMT 2026

KCOR file transfer report

KCor created 55 .bin files

55 .fts files

WARNING 34 fts file(s) found locally that was not transferred down

ACTION must be taken to copy:

20260902_010756_kcor.fts
20260902_010812_kcor.fts
20260902_010827_kcor.fts
20260902_010842_kcor.fts
20260902_010857_kcor.fts
20260902_010912_kcor.fts
20260902_010927_kcor.fts
20260902_010943_kcor.fts
20260902_010958_kcor.fts
20260902_011013_kcor.fts
20260902_011028_kcor.fts
20260902_011043_kcor.fts
20260902_011058_kcor.fts
20260902_011114_kcor.fts
20260902_011129_kcor.fts
20260902_011144_kcor.fts
20260902_011159_kcor.fts
20260902_011214_kcor.fts
20260902_011229_kcor.fts
20260902_011245_kcor.fts
20260902_011300_kcor.fts
20260902_011315_kcor.fts
20260902_011330_kcor.fts
20260902_011345_kcor.fts
20260902_011400_kcor.fts
20260902_011416_kcor.fts
20260902_011431_kcor.fts
20260902_011446_kcor.fts
20260902_011501_kcor.fts
20260902_011516_kcor.fts
20260902_011532_kcor.fts
20260902_011547_kcor.fts

20260902_011602_kcor.fts

20260902_011617_kcor.fts

____end____

Logger COMMENT BY mcotter: Wed Sep 02 01:22:15 GMT 2026

Log closed

ONSITE STAFF: berkey, mcotter

____end____