
Mauna Loa Solar Observatory Observer's Log

Sat Oct 17 16:41:17 GMT 2026
Year:26 Doy:290
Observer: mcotter
Weather COMMENT BY mcotter: Sat Oct 17 16:43:24 GMT 2026
MLSO Current Weather
Timestamp (UTC): 2026-10-17 16:38:00
Temperature   : 38.61 deg F
Dew Point   : 8.11 deg F
Pressure   : 680.67 mbar
Wind Speed   : 8.95 mph
Wind Direction : 156.6 deg

Skies: Clear skies overhead with clouds in all directions at lower elevations. The inve
rsion layer is visible on the horizon at the peak of Haleakala. Cold steady wind from t
he southeast.
___end___
GENERAL COMMENT BY mcotter: Sat Oct 17 17:14:42 GMT 2026 entry was edited
While driving up the Maunaloa access road I could see a large plume of smoke and clouds
 towering over the ridge of Maunaloa. I went online and checked Kilauea and the plume t
hat I saw is coming from another Kilauea eruption taking place and the webcam shows lav
a fountaining and smoke billowing.
___end___
Sat Oct 17 17:19:40 GMT 2026 Kcor Focus/alignment program exited. Autofocus range set t
o 136.07.
KCOR BY mcotter: Sat Oct 17 17:23:14 GMT 2026
Kcor:

The Kcor instrument is now observing. Initial synoptic images look good.
___end___
Sat Oct 17 20:06:35 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22d
eg-20171025.ini
Sat Oct 17 20:21:49 GMT 2026 KCOR End Calibration Script
Weather COMMENT BY mcotter: Sat Oct 17 20:24:26 GMT 2026
MLSO Current Weather
Timestamp (UTC): 2026-10-17 20:20:00
Temperature   : 55.42 deg F
Dew Point   : 24.28 deg F
Pressure   : 682.04 mbar
Wind Speed   : 9.62 mph
Wind Direction : 34.9 deg

Skies: The sky overhead remains clear at this time, but Cirrus clouds are approaching f
rom the south-southeast. Additionally, Orographic clouds have formed and are now approa
ching from the east and west.
___end___
Weather COMMENT BY mcotter: Sat Oct 17 21:08:13 GMT 2026
MLSO Current Weather
Timestamp (UTC): 2026-10-17 20:56:00
Temperature   : 57.25 deg F
Dew Point   : 13.64 deg F
Pressure   : 681.83 mbar
Wind Speed   : 13.87 mph
Wind Direction : 28.1 deg

Skies: The sky continues to be clear overhead.
The Cirrus clouds that were reported moving in from the south-southeast have lost their
 defined shape and now appear to be Cirrostratus clouds. These clouds are increasing an
d continue to move toward the observatory area.
Orographic clouds continue to form and are moving in from the west and coming up over t
he summit of Maunaloa to the south.
___end___
Weather COMMENT BY mcotter: Sat Oct 17 22:11:12 GMT 2026
Orographic clouds have moved into the area of the observatory and are now in the viewin
g area.

___end___
KCOR COMMENT BY mcotter: Sat Oct 17 22:12:06 GMT 2026
Kcor:

Observations have been paused due to poor sky conditions.
___end___
Weather COMMENT BY mcotter: Sat Oct 17 22:56:12 GMT 2026
Weather:

Skies: Orographic clouds continue to come into the area of the observatory from all dir
ections and the sky is rapidly becoming mostly overcast.
___end___
GENERAL BY mcotter: Sat Oct 17 22:58:59 GMT 2026
The dome and dome area windows have been closed due to poor sky conditions.

The spar continues to track in Open Loop state, in the event the sky clears up and obs
ervations may resume.
___end___
KCOR COMMENT BY KCOR: Sun Oct 18 00:42:00 GMT 2026
KCOR file transfer report
KCor created 1145 .bin files
1145 .fts files
 WARNING 1 fts file(s) found locally that was not transfered dawn
 ACTION must be taken to copy:
    20261017_172004_kcor.fts
___end___
Sun Oct 18 00:48:50 GMT 2026 Kcor Focus/alignment program exited
Sun Oct 18 00:50:41 GMT 2026 Kcor Focus/alignment program exited
KCOR BY mcotter: Sun Oct 18 00:56:19 GMT 2026
Kcor:

It looked like there may have been an opening in the clouds, so I attempted observing a
gain, but the sky is very bright and aerosols are super high. Also, within a minute of
getting back on sky clouds reappeared and the sky is again overcast.
___end___
  BY mcotter: Sun Oct 18 01:06:05 GMT 2026
End Of Day:

Good morning of observations, though aerosols were high at times. Orographic clouds mov
ed into the area of the observatory in the early afternoon ending observations for the
day.
___end___
Logger COMMENT BY mcotter: Sun Oct 18 01:06:06 GMT 2026
Log closed
ONSITE STAFF: mcotter
___end___