
Mauna Loa Solar Observatory Observer's Log

Fri May 22 16:59:21 GMT 2026

Year:26 Doy:142

Observer:

Weather COMMENT BY : Fri May 22 17:01:01 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-22 16:56:00

Temperature : 44.71 deg F

Dew Point : -0.65 deg F

Pressure : 679.7 mbar

Wind Speed : 12.08 mph

Wind Direction : 143.0 deg

Skies: Hazy blue inversion layer visible on the horizon at the level of Haleakala peak.
Gusty wind out of the southeast.

____end____

GENERAL COMMENT BY : Fri May 22 17:01:27 GMT 2026

Dome open.

The window remain closed due to the gusty wind.

____end____

BY : Fri May 22 17:03:01 GMT 2026

Power Supply Levels.

ECO FLO: 28%.

YETI: 29%.

____end____

Fri May 22 17:11:18 GMT 2026 Kcor Focus/alignment program exited

KCOR COMMENT BY : Fri May 22 17:14:54 GMT 2026

Kcor:

The Kcor instrument is now observing. Polarization checked good.

____end____

KCOR BY : Fri May 22 17:26:18 GMT 2026

Kcor:

The Command Windows for Kcor NRGF and Kcor Level 0 both said that no folder existed for today, so I manually created a folder for today in the NRGF and Level 0 folders.

____end____

Fri May 22 17:54:50 GMT 2026 Kcor Focus/alignment program exited

KCOR BY : Fri May 22 17:57:42 GMT 2026

Kcor:

The NRGF images appeared blurry. I re-ran the Focus routine and manually set the focus to 134.56. I will keep close attention on the NRGF images to see in the improve in focus.

____end____

KCOR COMMENT BY : Fri May 22 18:00:50 GMT 2026

Kcor:

CORRECTION: The Focus is now set to 135.56, not 134.56 as previously stated.

____end____

BY : Fri May 22 18:04:48 GMT 2026

Polarization re-checked after restarting and it is good.

____end____

KCOR BY : Fri May 22 18:06:03 GMT 2026

Kcor:

The NRGF Image appears in much better focus now.

____end____

Weather COMMENT BY : Fri May 22 18:30:07 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-22 18:23:00

Temperature : 49.44 deg F

Dew Point : -6.7 deg F
Pressure : 680.33 mbar
Wind Speed : 14.09 mph
Wind Direction : 86.6 deg

Skies: The sky remains very clear in all directions.

The wind is now blowing out of the east and it is getting gusty. I have partially closed the Lower Dome Shutter Door to help abate some of the gusty wind that is blowing directly toward the instrument.

____end____

BY : Fri May 22 18:36:20 GMT 2026

Power Supply Levels:

The ECO FLO is now at 5% showing approximately 30 minutes of useable power left. The input power is approximately 600 W and the output power is approximately 800 W. Power input should increase rapidly now that the Sun is rising in the sky and shining more directly on the panels. Never the less, I will keep a close watch on it to make sure we don't have any unexpected shutdowns.

The YETI is currently at 29% with approximately 180 W input.

____end____

Weather COMMENT BY : Fri May 22 18:46:08 GMT 2026

MLO Current Weather

Timestamp (UTC): 2026-05-22 18:41:00

Temperature : 50.83 deg F

Dew Point : -6.99 deg F

Pressure : 680.49 mbar

Wind Speed : 11.41 mph

Wind Direction : 88.5 deg

Skies: The sky remains clear in all directions.

Due to Gusty wind conditions out of the east I have closed the Dome Lower Shutter Door all the way.

____end____

BY : Fri May 22 19:02:06 GMT 2026

Power Supply Levels:

The ECO FLO is at 3% with approximately 750 W input, with approximately 29 minutes of useable power left.

The YETI is at 30% with 215 W input.

____end____

Fri May 22 20:02:44 GMT 2026 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri May 22 20:17:58 GMT 2026 KCOR End Calibration Script

KCOR COMMENT BY KCOR: Fri May 22 23:23:27 GMT 2026

KCOR file transfer report

KCor created 1445 .bin files

1443 .fts files

NOTICE ? 2 .bin file(s) with no matching .fts:

20260522_175111_kcor.bin

20260522_232105_kcor.bin

Remote site is complete ? no rsync required.

____end____

BY : Fri May 22 23:31:33 GMT 2026

End Of Day:

Clear skies all day.

Good day for observing.

____end____

Logger COMMENT BY : Fri May 22 23:31:39 GMT 2026

Log closed

ONSITE STAFF: mcotter

__end__