
Mauna Loa Solar Observatory Observer's Log

Thu Sep 15 16:28:37 GMT 2022

Year: 22 Doy: 258

Observer: mlso

WEATHER COMMENT: mcotter: Thu Sep 15 16:30:58 GMT 2022

Temp: 38.5f, Humidity: 35%, Pressure: 28.729in, Wind: 6mph from 178degs. Clear but hazy skies. Light steady wind from the South. The inversion layer is visible on the horizon well above Haleakala and is pink brown in color.

____end____

UCoMP COMMENT BY mcotter: Thu Sep 15 16:39:24 GMT 2022

Updated ucomp tuning offsets.

____end____

Thu Sep 15 17:20:13 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Thu Sep 15 17:22:35 GMT 2022 Kcor Focus/alignment program exited

Thu Sep 15 17:41:06 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Thu Sep 15 18:17:42 GMT 2022

PM Blew off Kcor Field Lens

____end____

Thu Sep 15 18:19:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Thu Sep 15 18:19:51 GMT 2022

Changed Summer Occulter to Autumn Occulter, size 1006.9.

____end____

UCoMP COMMENT BY mcotter: Thu Sep 15 18:20:45 GMT 2022

Changed Occulter disk from Disk #27 to Disk #31.

____end____

Thu Sep 15 18:57:37 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Thu Sep 15 19:35:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Thu Sep 15 19:56:22 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Thu Sep 15 20:04:13 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Sep 15 20:16:49 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Thu Sep 15 20:40:05 GMT 2022

Orographic clouds unfortunately moved into the viewing area. The Kcor instrument was in the middle of a Calibration but it needed to be aborted due to clouds. Within 10 to 15 minutes the sky has become totally overcast. The dome shutter doors have been closed due to heavy overcast skies.

____end____

GENERAL COMMENT BY mcotter: Fri Sep 16 02:44:30 GMT 2022

Removed access panel from bottom of Spar to gain access to the Declination Drive. The Dec gear housing cover was removed and the worm and spur gear were lubricated with Moly grease. The cover was reinstalled then the Ball Screw Drive and nuts were also lubricated with grease by driving the Dec drive all the way to one extent then continuously applying grease to the Screw while driving the Dec drive to the opposite extent. The Dec drive was visually inspected for any issues and it was noted that the bottom Ball Screw Drive Boot came was out of position. The Boot was snapped back into position and everything else looked fine. The interior of the lower spar was vacuumed and cleaned. Finally a "Piano Hinge" was installed on the access plate to make it easier to open the panel to access the Dec drive and associated equipment.

____end____

KCOR COMMENT BY mcotter: Fri Sep 16 02:54:59 GMT 2022

While running the calibration sequence for Kcor clouds came into the viewing area and the Calibration was aborted. This is the first time that I encountered this anomaly and in the confusion I engaged the Abort command on the Kcor -Stand Alone Acquisition GUI instead of the Abort button on the Calibration page GUI.

____end____

GENERAL COMMENT BY mcotter: Fri Sep 16 03:16:36 GMT 2022

The morning was hazy but clear until approximately 10:00 am HST when Orographic clouds came into the viewing area at which time observations ended.

____end____

ONSITE STAFF: berkey, mcotter