
Mauna Loa Solar Observatory Observer's Log

Tue Sep 14 16:57:04 GMT 2021

Year: 21 Doy: 257

Observer: mlso

WEATHER COMMENT: mcotter: Tue Sep 14 17:05:21 GMT 2021

Temp: 42.8f, Humidity: 28%, Pressure: 28.664in, Wind: 4mph from 190degs, Skies: Clear but slightly hazy skies with an inversion layer visible on the horizon above Haleakala. The sky seems a bit bright.

____end____

GENERAL COMMENT BY mcotter: Tue Sep 14 17:06:00 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Sep 14 17:06:06 GMT 2021

PM Blew off UCoMP O1

____end____

GENERAL COMMENT BY mcotter: Tue Sep 14 17:06:12 GMT 2021

PM Blew off Kcor O1

____end____

KCOR COMMENT BY mcotter: Tue Sep 14 17:08:15 GMT 2021

The sky is a bit bright in the Kcor focus routine with aerosols clearly noticeable in the background.

____end____

Tue Sep 14 17:09:01 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.ckb line 0

UCoMP COMMENT BY mcotter: Tue Sep 14 17:09:46 GMT 2021

Ucomp now running.

____end____

Tue Sep 14 17:10:27 GMT 2021 Running UCOMP Cookbook 530_Scan.ckb line 0

Tue Sep 14 17:10:54 GMT 2021 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Sep 14 17:13:39 GMT 2021

Kcor instrument now running. There appears to be a lot of aerosols present in the sky this morning.

____end____

Tue Sep 14 17:13:51 GMT 2021 Running UCOMP Cookbook 637_Scan.ckb line 0

Tue Sep 14 17:16:50 GMT 2021 Running UCOMP Cookbook 656_Scan.ckb line 0

Tue Sep 14 17:19:47 GMT 2021 Running UCOMP Cookbook 691_Scan.ckb line 0

Tue Sep 14 17:22:45 GMT 2021 Running UCOMP Cookbook 706_Scan.ckb line 0

Tue Sep 14 17:25:41 GMT 2021 Running UCOMP Cookbook 789_Scan.ckb line 0

Tue Sep 14 17:28:40 GMT 2021 Running UCOMP Cookbook 1074_Scan.ckb line 0

Tue Sep 14 17:31:39 GMT 2021 Running UCOMP Cookbook 1079_Scan.ckb line 0

Tue Sep 14 17:34:36 GMT 2021 Running UCOMP Cookbook 1083_Scan.ckb line 0

Tue Sep 14 17:37:33 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb line 0

Tue Sep 14 18:01:02 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0

Tue Sep 14 18:24:44 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0

Tue Sep 14 18:48:09 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.ckb line 0

Tue Sep 14 18:49:32 GMT 2021 Running UCOMP Cookbook 530_Pol_Calibrate.ckb line 0

****Possible CME in Progress mcotter**** : Tue Sep 14 18:50:14 GMT 2021

Possible CME seen launching near PA: 240 deg at time 17:14 UT.

____end____

Tue Sep 14 18:54:13 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.ckb line 0

Tue Sep 14 18:58:35 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.ckb line 0
Tue Sep 14 19:02:55 GMT 2021 Running UCOMP Cookbook 691_Pol_Calibrate.ckb line 0
Tue Sep 14 19:07:24 GMT 2021 Running UCOMP Cookbook 706_Pol_Calibrate.ckb line 0
Tue Sep 14 19:11:44 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.ckb line 0
Tue Sep 14 19:16:04 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.ckb line 0
Tue Sep 14 19:20:26 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.ckb line 0
Tue Sep 14 19:24:47 GMT 2021 Running UCOMP Cookbook 1083_Pol_Calibrate.ckb line 0
Tue Sep 14 19:29:06 GMT 2021 Running UCOMP Cookbook sumtest-1074.ckb line 0
Tue Sep 14 19:34:55 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.ckb line 0
Tue Sep 14 20:10:52 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini
Tue Sep 14 20:26:08 GMT 2021 KCOR End Calibration Script
Tue Sep 14 20:35:05 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.ckb line 117
Tue Sep 14 20:40:40 GMT 2021 Running UCOMP Cookbook dark_200_200_1sums_80ms.ckb line 0
Tue Sep 14 20:45:45 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb line 0
Tue Sep 14 21:09:43 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0
Tue Sep 14 21:33:24 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0
Tue Sep 14 21:56:47 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0
Tue Sep 14 22:20:10 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb line 0
Tue Sep 14 22:38:18 GMT 2021 UCoMP Paused for clouds
Tue Sep 14 23:48:10 GMT 2021 UCoMP Restarted from pause
KCOR COMMENT BY mcotter: Wed Sep 15 00:29:31 GMT 2021
Kcor occulter swapped. Summer occulter removed spring 1006.9" installed.
____end____
UCoMP COMMENT BY mcotter: Wed Sep 15 00:31:14 GMT 2021
UCoMP occulter swapped. Summer removed fall #31 installed. C:\ucomp-configuration\config\header_static_data.ini edited to reflect these new changes.
____end____
Wed Sep 15 00:34:42 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.ckb line 0
WEATHER COMMENT: mcotter: Wed Sep 15 01:17:48 GMT 2021
Temp: 47.6f, Humidity: 83%, Pressure: 28.591in, Wind: 6mph from 46degs, Skies: Mostly overcast skies with intermittent fog blowing through the science area.
____end____
GENERAL COMMENT BY mcotter: Wed Sep 15 01:26:40 GMT 2021
At approximately 12:30pm HST we stopped both instruments due to clouds.
____end____
GENERAL COMMENT BY mcotter: Wed Sep 15 01:27:40 GMT 2021
The dome shutter doors and window were closed at approximately 13:30 due to worsening weather conditions.
____end____
GENERAL COMMENT BY mcotter: Wed Sep 15 03:16:15 GMT 2021
Today Ben had me clean and inspect the Kcor spare 01 lens. I spent approximately 1.5 hours cleaning the lens repeatedly to ensure that it was thoroughly clean on both side. Inspecting the lens for particulate matter, smudges or residue takes time as sometimes anomalies which would affect "seeing" are not readily apparent. There was one spot on the lens that even after repeated attempts to clean and remove what looked like a particle of dust or debris it became obvious that there is a small knick in lens. The lens at this time seems to be in a clean enough state to be used in necessary.
____end____
GENERAL COMMENT BY mcotter: Wed Sep 15 03:18:53 GMT 2021
Started working on mounting the extruder aluminum length on the spar north side (spar at zenith). I rerouted cables and re

positioned them so that they would not interfere with mounting. I also need to remove the alignment targets, but I reinstalled them exactly where they were originally.

____end____

GENERAL COMMENT BY mcotter: Wed Sep 15 03:19:19 GMT 2021

I emptied the two trash receptacles in the control room.

____end____

GENERAL COMMENT BY mcotter: Wed Sep 15 03:20:23 GMT 2021

Good morning for observing but clouds began to move in and form around the area of the observatory in the early afternoon requiring us to stop observing.

____end____

ONSITE STAFF: