
Mauna Loa Solar Observatory Observer's Log

Tue Feb 1 17:42:42 GMT 2022

Year: 22 Doy: 032

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Feb 01 17:46:41 GMT 2022

Temp: 37.8f, Humidity: 11%, Pressure: 28.683in, Wind: 9mph from 117deg, Skies: Scattered clouds at multiple levels across the entire sky. inversion layer visible on the horizon below Haleakala. Cold with steady winds out of the southeast.

____end____

GENERAL COMMENT BY mcotter: Tue Feb 01 17:54:17 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY mcotter: Tue Feb 01 17:54:28 GMT 2022

PM Blew off UCOMP 01

____end____

Tue Feb 01 18:02:11 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Feb 01 18:05:08 GMT 2022

Tried starting Kcor but the sky is much too bright to run the focus routine.

____end____

UCOMP COMMENT BY mcotter: Tue Feb 01 18:06:01 GMT 2022

Started Ucomp instrument but left it in a pause state until the sky conditions improve.

____end____

Tue Feb 01 18:37:17 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Feb 01 18:41:18 GMT 2022

The sky continues to be quite bright but I was able to run the Kcor focus routine and get a decently shaped parabola. When the synoptic view came up the images fairly decent.

____end____

KCOR COMMENT BY mcotter: Tue Feb 01 18:43:17 GMT 2022

Kcor now running.

SGS offsets: X (RA): 64, Y (Dec): 12.

Polarization checks good: Mid, Bright, Dark, Mid.

____end____

Tue Feb 01 18:43:25 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Tue Feb 01 19:04:35 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Tue Feb 01 19:04:41 GMT 2022 UCOMP Paused for clouds

UCOMP PROBLEM COMMENT BY mcotter : Tue Feb 01 19:05:23 GMT 2022

When I tried starting the Ucomp instrument program it hung up and would not do anything. I restarted the program and it appears to have started up normally.

____end____

Tue Feb 01 19:06:03 GMT 2022 UCOMP Restarted from pause

Tue Feb 01 19:07:08 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0

GENERAL COMMENT BY mcotter: Tue Feb 01 19:08:37 GMT 2022

The sky is getting bright and high altitude Cirrus is beginning to form in various areas of the sky.

____end____

Tue Feb 01 19:09:18 GMT 2022 Running UCOMP Cookbook 656_Scan.cbk line 0

GENERAL COMMENT BY mcotter: Tue Feb 01 19:10:16 GMT 2022

I have been using the auto generated SGS Offset numbers that Ben posted within a GUI on the SGS control screen and so far the numbers look good.

____end____

Tue Feb 01 19:11:08 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0

Tue Feb 01 19:12:57 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0

Tue Feb 01 19:14:46 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0

Tue Feb 01 19:16:36 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Feb 01 19:16:49 GMT 2022 UCOMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Feb 01 19:18:00 GMT 2022

Kcor and Ucomp both paused due to sky conditions.

____end____

Tue Feb 01 19:50:29 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Feb 01 19:52:02 GMT 2022

Kcor and Ucomp again running.

____end____

GENERAL COMMENT BY mcotter: Tue Feb 01 19:54:14 GMT 2022

The SGS offsets that are currently displayed on the GUI is as follows:

X: 56, Y: 19

The actual numbers are as follows:

X: 47, Y: 23.

____end____

Tue Feb 01 19:57:04 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Feb 01 19:59:06 GMT 2022

Kcor and Ucomp are again paused due to sky conditions.

____end____

Tue Feb 01 21:00:52 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Feb 01 21:01:38 GMT 2022

Instruments back on sky.

____end____

GENERAL COMMENT BY mcotter: Tue Feb 01 21:03:26 GMT 2022

The SGS offsets are X: 44.34 , Y: 31.92 on the GUI.

Actual offsets: X: 28 , Y: 38.

____end____

Tue Feb 01 21:04:08 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 9

UCoMP PROBLEM COMMENT BY mcotter : Tue Feb 01 21:07:51 GMT 2022

The LED's that are located on the bottom of the Ucomp-controller GUI are not all illuminated; the ILX and 01 LED's are off. Aside from the LED's not being illuminated the Ucomp-controller program and instrument appear to be operating normally.

____end____

Tue Feb 01 21:13:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Feb 01 21:25:28 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Feb 01 21:26:36 GMT 2022

Kcor and Ucomp are again paused due to sky conditions.

____end____

Tue Feb 01 21:43:35 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Feb 01 21:44:26 GMT 2022

Instruments are again on sky.

____end____

Tue Feb 01 22:10:16 GMT 2022 UCoMP Paused for clouds

Tue Feb 01 22:33:20 GMT 2022 Kcor Focus/alignment program exited

Tue Feb 01 22:36:42 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Feb 01 22:39:18 GMT 2022

The "Move the ladder" warning GUI did not pop up and I forgot to move the ladder. I paused the instruments then moved the ladder. Afterwards I ran the Kcor focus routine again and verified the polarization was good.

____end____

GENERAL COMMENT BY mcotter: Tue Feb 01 22:39:43 GMT 2022

Kcor and Ucomp are again on sky.

____end____

WEATHER COMMENT: mcotter: Tue Feb 01 22:44:20 GMT 2022

The sky has had scattered clouds across all areas of the sky from the start of the day.

I have had to pause the instruments several times due to clouds in the field of view and because of occasional very bright conditions in the viewing area. The clouds have for the most part dissipated and the bright conditions earlier observed have receded as well.

____end____

WEATHER COMMENT: mcotter: Wed Feb 02 00:26:26 GMT 2022

Orthographic clouds are moving up the western slope of Maunaloa, but so far are staying just to the west of the observing area.

____end____

****Possible CME in Progress mcotter**** : Wed Feb 02 00:30:34 GMT 2022

Observers report with medium confidence a CME seeing launching near PA 230 deg, with a minimum width of 10 deg, at UT time 23:50:01.

____end____

GONG PROBLEM COMMENT BY mcotter : Wed Feb 02 01:46:45 GMT 2022

The GONG GUI images appear to have a problem. The GONG Expert GUI is not displaying information and the GONG gongTool GUI is all in the red for "General", "Instrument" & "Data". I tried closing and reopening the GUI's but to no avail. I suspect that there is an issue from the GONG operations side.

____end____

GONG COMMENT BY mcotter: Wed Feb 02 01:57:44 GMT 2022

Sent email to GONG support reporting problem with GUI's.

____end____

GENERAL COMMENT BY mcotter: Wed Feb 02 02:02:24 GMT 2022

Late in the day the dome auto advance controls don't control the dome movement properly

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Turned off dome auto advance control and turned on manual advance. I aligned the dome on center with the spar.

____end____

Wed Feb 02 02:33:16 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Wed Feb 02 02:34:00 GMT 2022

Kcor and Ucomp are both paused due to sky conditions.

____end____

GENERAL COMMENT BY mcotter: Wed Feb 02 02:41:10 GMT 2022

Emptied control room trash receptacle.

____end____

GENERAL COMMENT BY mcotter: Wed Feb 02 02:44:37 GMT 2022

Good day for observing, though there were plenty of clouds and bright spots to avoid.

____end____

ONSITE STAFF: