
Mauna Loa Solar Observatory Observer's Log

Thu Feb 11 17:27:37 GMT 2021

Year: 21 Doy: 042

Observer: mlso

WEATHER COMMENT: mcotter: Thu Feb 11 17:29:59 GMT 2021

Temp: 39.5f, Humidity: 19%, Pressure: 28.759in, Wind: 14mph from 153degs, Skies: Clear skies overhead. Fog and mist in the Saddle Valley up to approximately 8500' level. Inversion layer visible on horizon at or just below level of Maunakea.

____end____

GENERAL COMMENT BY mcotter: Thu Feb 11 17:30:09 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Thu Feb 11 18:02:33 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Thu Feb 11 18:02:36 GMT 2021

PM Blew off Kcor O1

____end____

UCoMP PROBLEM COMMENT BY mcotter : Thu Feb 11 18:03:09 GMT 2021

UCoMP O1ND in beam.

Moving UCoMP O1 dogs to get a better alignment of the UCOMP to kcor.

____end____

Thu Feb 11 19:50:52 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Thu Feb 11 19:54:55 GMT 2021

Work was performed on Ucomp O1 alignment from 08:00am HST to 09:40am HST.

____end____

GENERAL COMMENT BY mcotter: Thu Feb 11 19:58:45 GMT 2021

Kcor up and running at approximately 09:50am HST.

Polarization verified: Mid, Bright, Dark, Mid.

SGS Guider Zero-Point Offset (GZPO) setting: X(RA)-102,Y(Dec)30

____end____

UCoMP COMMENT BY mcotter: Thu Feb 11 21:44:44 GMT 2021

After moving the O1 to best align the O1 to the center of the field lens (X axis on the cameras). A couple data sets of 10 83 vs focus data were taken to trace how the image moved (in X) over the course of the focus range. This ended at 20:30UT

The instrument plate was then lowered about 2.2mm (2 turns) on all 3 knimatic adjusters to center the sun on the field lens in Y.

This is likely the end of the UCoMP hardware work for today. We are now going to take some more focus data in UCoMP and restart kcor observations.

____end____

Thu Feb 11 21:44:51 GMT 2021 Kcor Focus/alignment program exited

Thu Feb 11 21:49:14 GMT 2021 KCOR Start Synoptic Patrol

Thu Feb 11 21:56:16 GMT 2021 KCOR End Patrol

UCoMP COMMENT BY mcotter: Thu Feb 11 21:56:46 GMT 2021

Left a field lens cover in UCoMP pausing to remove it.

___end___

UCoMP PROBLEM COMMENT BY mcotter : Thu Feb 11 23:50:12 GMT 2021

UCoMP O1ND filter removed and stored in its box.

___end___

GENERAL COMMENT BY mcotter: Fri Feb 12 03:39:17 GMT 2021

Cleaned and organized tool boxes in observatory and control room. Emptied all trash receptacles. Continued to work on e-waste disposal and recycling.

___end___

GENERAL COMMENT BY mcotter: Fri Feb 12 03:46:21 GMT 2021

Beautiful clear skies all day!

___end___

ONSITE STAFF: berkey, mcotter