
Mauna Loa Solar Observatory Observer's Log

Thu Dec 3 17:14:51 GMT 2020

Year: 20 Doy: 338

Observer: lisapg

WEATHER COMMENT: Observer: Thu Dec 03 17:15:18 GMT 2020

Logger crashed a couple times when trying to log in this morning.

____end____

WEATHER COMMENT: Observer: Thu Dec 03 17:16:32 GMT 2020

Temp: 42.3f with windspeed at about 5-10mph from the Southwest. A few passing cirrus patches but the Sun's path looks clear at present.

____end____

GENERAL COMMENT BY lisapg: Thu Dec 03 17:36:42 GMT 2020

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY lisapg: Thu Dec 03 17:36:46 GMT 2020

Opened windows upstairs

____end____

KCOR COMMENT BY lisapg: Thu Dec 03 17:37:52 GMT 2020

KCor O1 slipped all the way back and we got a SPiiPlus time out. Shut down Kcor computer, power cycled the Nema box upstairs and restart KCor computer now.

____end____

Thu Dec 03 17:47:18 GMT 2020 Kcor Focus/alignment program exited

Thu Dec 03 17:49:44 GMT 2020 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Thu Dec 3 18:03:29 GMT 2020

Yesterday the alignment laser mount was been removed from the Kcor Aft-optics box for use in the UCoMP alignment. This device is only used during instrumental alignments and added about 6pounds of weight to the very back end of the aft optics plate. Removing this alignment fixture (which is treated as unaligned at the start of an alignment) should help reduce some of the aft-optics base plate bending we see over the course of an observing day.

At this point, we have no plan on reinstalling the alignment fixture back into kcor unless we are actively performing an instrumental alignment.

____end____

Thu Dec 03 19:06:46 GMT 2020 KCOR End Patrol

Thu Dec 03 19:06:47 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Dec 03 19:21:57 GMT 2020 KCOR End Calibration Script

Thu Dec 03 19:22:14 GMT 2020 KCOR Start Synoptic Patrol

Thu Dec 03 19:22:14 GMT 2020 KCOR Start Synoptic Patrol

Thu Dec 03 20:00:06 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY lisapg: Thu Dec 03 20:00:31 GMT 2020

Starting U-CoMP alignment.

____end____

GPS COMMENT by MLSO: Thu Dec 03 21:45:11 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

```
/mnt/usb/dataoutiq_2020_335_2327.bin 0
/mnt/usb/dataoutiq_2020_335_2328.bin 0
/mnt/usb/dataoutiq_2020_335_2338.bin 2147483647
/mnt/usb/dataoutiq_2020_336_2338.bin 2147483647
/mnt/usb/dataoutiq_2020_337_2338.bin 2147483647
Disk usage: /dev/sda1          916.9G    254.9G    615.4G  29% /mnt/usb
___end___
```

GENERAL COMMENT BY berkey: Fri Dec 04 00:20:52 GMT 2020
Day 3 of the UCoMP alignment.

Base plate installed and aligned and tighten down.

Field lens, modulator and PBS installed on plate and ready for next steps. Spar has been rebalanced to account for the new parts.

Pausing install until we have more parts in hand.

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___end___
GENERAL COMMENT BY berkey: Fri Dec 04 00:28:36 GMT 2020
We had the hepa filters off during the last three days of the U-CoMP alignment.
___end___
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ONSITE STAFF: berkey, lisapg, mcotter
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