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Mauna Loa Solar Observatory Observer's Log  
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Fri May 1 16:34:25 GMT 2020

Year: 20 Doy: 122

Observer: berkey

WEATHER COMMENT: berkey: Fri May 01 16:36:26 GMT 2020

Temp: 51.7f, Humidity: 11%, Pressure: 28.617in, Wind: 10mph from 152deg, Skies: clear

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 17:05:24 GMT 2020

PM Blew off Kcor O1. Found a dead bee tucked inside the aperture stop of the o1

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 17:05:35 GMT 2020

opened windows upstairs

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 17:08:50 GMT 2020

Added a small balance rod to the north side of the spar to allow a location to hang extra (mostly) DEC balance weight on the spar. Currently has a next 10pound. This seems to give a north bias (w.r.t the dec arm) of the spar position.

We will see if this is enough to address the dec dead band issues seen around zenith over the last couple weeks.

\_\_\_\_end\_\_\_\_

Fri May 01 17:11:29 GMT 2020 Kcor Focus/alignment program exited

KCOR COMMENT BY berkey: Fri May 01 17:31:29 GMT 2020

Lots of structure/artifacts in the nrgf images, looks like the bee left some residue.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 18:54:09 GMT 2020

PM Washed Kcor O1 with soap and water.

\_\_\_\_end\_\_\_\_

Fri May 01 18:57:12 GMT 2020 SGS Alignment complete

KCOR COMMENT BY berkey: Fri May 01 19:06:26 GMT 2020

Lens cleaning got rid of the big N/S structure/artifacts seen in the nrgf data.

\_\_\_\_end\_\_\_\_

Fri May 01 19:08:16 GMT 2020 KCOR Start Synoptic Patrol

Fri May 01 19:55:07 GMT 2020 KCOR End Patrol

Fri May 01 19:55:08 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri May 01 20:10:22 GMT 2020 KCOR End Calibration Script

Fri May 01 20:10:39 GMT 2020 KCOR Start Synoptic Patrol

Fri May 01 20:10:39 GMT 2020 KCOR Start Synoptic Patrol

Fri May 01 20:10:46 GMT 2020 KCOR End Patrol

Fri May 01 20:15:36 GMT 2020 SGS Alignment complete

Fri May 01 20:15:37 GMT 2020 Kcor Focus/alignment program exited

Fri May 01 20:26:50 GMT 2020 KCOR Start Synoptic Patrol

Fri May 01 21:13:27 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY berkey: Fri May 01 21:25:56 GMT 2020

PM Blew off Kcor Field Lens

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 21:44:00 GMT 2020

PM Blew off Kcor O1

\_\_\_end\_\_\_

Fri May 01 21:28:19 GMT 2020 SGS Alignment complete  
Fri May 01 21:28:22 GMT 2020 Kcor Focus/alignment program exited  
GPS COMMENT by MLSO: Fri May 01 21:45:06 GMT 2020  
Successfully logged in to system  
Good disk mount  
GPS software running  
Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_117\_2146.bin 2147483647  
/mnt/usb/dataoutiq\_2020\_118\_2146.bin 2147483647  
/mnt/usb/dataoutiq\_2020\_119\_2146.bin 2147483647  
/mnt/usb/dataoutiq\_2020\_120\_2146.bin 2147483647  
/mnt/usb/dataoutiq\_2020\_121\_2146.bin 2147483647

\_\_\_end\_\_\_

GENERAL COMMENT BY berkey: Fri May 01 21:47:22 GMT 2020  
PM Blew off Kcor O1

Looks like a smallish piece of fabric came off my shirt during the last o1 blow off. This material ended up in the SW "corner" of the lens and lead to the artifacts we we just saw in the lens.

Blowing this fabric off the lens looks to have cleared it up.

\_\_\_end\_\_\_

Sat May 02 00:31:53 GMT 2020 Kcor Focus/alignment program exited  
Sat May 02 00:56:21 GMT 2020 SGS Alignment complete  
ONSITE STAFF: berkey