
Mauna Loa Solar Observatory Observer's Log

Mon Oct 4 16:36:56 GMT 2004

Year: 04 Doy: 278

Observer: stueben

WEATHER COMMENT: Mon Oct 4 16:38:54 GMT 2004

Clear, wind southwest 10-15 mph, temp 40F.

____end____

ECHO COMMENT: Mon Oct 4 16:40:54 GMT 2004

Time OK.

____end____

Mon Oct 4 16:42:49 GMT 2004 CHIP Start Patrol

Mon Oct 4 16:43:00 GMT 2004 PICS Start Patrol

Mon Oct 4 16:45:50 GMT 2004 CHIP End Patrol

CHIP PROBLEM Mon Oct 4 16:48:20 GMT 2004

Image offset. Stopping and centering image manually.

____end____

Mon Oct 4 16:51:42 GMT 2004 CHIP Start Patrol

PSPT COMMENT: Mon Oct 4 16:54:47 GMT 2004

Starting up.

____end____

PSPT COMMENT: Mon Oct 4 17:03:05 GMT 2004

Observing.

____end____

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Mon Oct 4 17:03:27 GMT 2004

MKIV COMMENT: Mon Oct 4 17:05:55 GMT 2004

Centered Ol.

____end____

Mon Oct 4 17:06:56 GMT 2004 MKIV Start Patrol

PSPT PROBLEM Mon Oct 4 17:37:12 GMT 2004

PSPT crashed at 17:17 UT at 2/3 Taking CaK image. Killed and restarted.

____end____

MKIV COMMENT: Mon Oct 4 18:00:05 GMT 2004

Centered Ol.

____end____

Mon Oct 4 18:00:18 GMT 2004 MKIV End Patrol

Mon Oct 4 18:00:24 GMT 2004 MKIV Start Cal

Mon Oct 4 18:00:55 GMT 2004 CHIP LSD

Mon Oct 4 18:02:32 GMT 2004 PICS Flat

Mon Oct 4 18:02:39 GMT 2004 CHIP End LSD

Mon Oct 4 18:02:48 GMT 2004 CHIP BiasLSD

Mon Oct 4 18:03:40 GMT 2004 CHIP End BiasLSD

Mon Oct 4 18:03:51 GMT 2004 CHIP Bias

Mon Oct 4 18:04:44 GMT 2004 CHIP End Bias

Mon Oct 4 18:04:52 GMT 2004 CHIP ReStart Patrol

Mon Oct 4 18:05:00 GMT 2004 PICS End Flat

Mon Oct 4 18:05:08 GMT 2004 PICS ReStart Patrol

Mon Oct 4 18:19:07 GMT 2004 MKIV End Cal
Mon Oct 4 18:19:13 GMT 2004 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 19:03:13 GMT 2004

Centered Ol.

____end____

NICE MK4 IMAGE: 1803

NICE PICSLIMB IMAGE: 1802

NICE CHIP IMAGE: 1805

NICE PICSDISC IMAGE: 1805

MKIV COMMENT: Mon Oct 4 20:05:01 GMT 2004

Centered Ol.

____end____

Mon Oct 4 20:08:49 GMT 2004 CHIP End Patrol

Mon Oct 4 20:09:33 GMT 2004 PICS End Patrol

COMMENT: Mon Oct 4 20:09:35 GMT 2004

Stopping to reconfigure dome shutter.

____end____

Mon Oct 4 20:16:20 GMT 2004 CHIP Start Patrol

Mon Oct 4 20:16:26 GMT 2004 PICS Start Patrol

Mon Oct 4 20:17:03 GMT 2004 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 21:04:12 GMT 2004

Centered Ol.

____end____

MKIV PROBLEM: Mon Oct 4 21:30:21 GMT 2004

xanim crashed by truncated file message on cmdtool. Stopping, exiting and restarting. Last xanim image at 2125 UT.

____end____

Mon Oct 4 21:35:09 GMT 2004 MKIV End Patrol

Mon Oct 4 21:35:43 GMT 2004

MkIV

Mauna Loa Solar Observatory Observer's Log

Mon Oct 4 21:35:58 GMT 2004

Year: 04 Doy: 278

Observer: stueben

Mon Oct 4 21:36:16 GMT 2004 MKIV Start Patrol

MKIV PROBLEM: Mon Oct 4 21:40:44 GMT 2004

Kill/Restart did not fix truncated files. Stopping and rebooting nahenahe.

____end____

Mon Oct 4 21:42:25 GMT 2004 MKIV End Patrol

Mon Oct 4 21:42:50 GMT 2004

MkIV

Mauna Loa Solar Observatory Observer's Log

Mon Oct 4 21:46:15 GMT 2004

Year: 04 Doy: 278

Observer: yasukawa

Mon Oct 4 21:46:36 GMT 2004 MKIV Start Patrol

****MKIV PROBLEM****: Mon Oct 4 21:56:09 GMT 2004

Truncated file/xanim problem fixed by reboot.

Observed front end of telescopes and determined that the dome sensor needs to be moved closer to PICS snout in order to keep MK4 from being vignetted by opposing dome-slot edge. Sensor is not easily moved at this time of day so I turned off the ADR and will move dome slot manually around midday. I photographed the current sensor position so that I can adjust it later when front of spar is accessible (but shadows will be different).

____end____

****MKIV PROBLEM****: Mon Oct 4 22:43:38 GMT 2004

Fixed position of dome-edge sensor after moving ladders around. Sensor now activates dome rotator when dome-edge shadow gets closer to PICS snout than before, keeping opposing dome-edge shadow farther away from MK4 snout.

____end____

WEATHER COMMENT: Mon Oct 4 22:56:03 GMT 2004

In scattered orographic clouds.

____end____

PSPT COMMENT: Mon Oct 4 22:56:45 GMT 2004

Stopping PSPT to work on tilting ND filters on CaK and Red filters to match the tilt on the Blue filter.

____end____

WEATHER COMMENT: Mon Oct 4 23:14:03 GMT 2004

Orographic clouds beginning to degrade images.

____end____

MKIV COMMENT: Tue Oct 5 00:04:35 GMT 2004

Centered 01 guider.

____end____

Tue Oct 5 01:03:50 GMT 2004 CHIP End Patrol

Tue Oct 5 01:03:53 GMT 2004 PICS End Patrol

Tue Oct 5 01:06:31 GMT 2004 MKIV End Patrol

Tue Oct 5 01:12:18 GMT 2004 MKIV Start Patrol

Tue Oct 5 01:12:38 GMT 2004 CHIP Start Patrol

Tue Oct 5 01:12:54 GMT 2004 PICS Start Patrol

****PSPT PROBLEM****: Tue Oct 5 01:09:41 GMT 2004

Measured stack of 6 small washers used as spacer to establish tilt on the ND filter in front of the Blue filter. Nominal thickness was 0.0890

+/- 0.002 inches. Spacer thickness of the Red filter's ND was 0.0760 +/-

0.002 inches, using 5 small washers. Spacer thickness of the CaK filter's ND was 0.1250 +/- 0.002 inches using 3 large and 2 small washers. Turned

observatory upside down to find an assortment of washers to come up with

an 0.0890 inch stack for the Red and the Cak filters. Located enough small washers to make another 6-washer stack, and a motley combination of large, medium, and the last small washer to make a nominal 0.0890 +/- 0.002 inch stack. Reassembled the filters and reinstalled them into PSPT. Restarted obs at 00:54 UT. Pointing was off at restart probably due to having to turn off the PSPT power while removing the filters to avoid shearing from the rotating shutter's dreaded Masher-screw. Aborted. Pointed spar manually, ran centering routine, restarted observations again at 01:16 UT.

____end____

COMMENT: Tue Oct 5 01:25:11 GMT 2004

Reconfigured dome shutter about 01:00 UT.

____end____

Tue Oct 5 01:57:24 GMT 2004 PICS End Patrol

Tue Oct 5 01:57:46 GMT 2004 CHIP End Patrol

WEATHER COMMENT: Tue Oct 5 01:57:33 GMT 2004

Dense clouds moving in, instruments idled.

____end____

Tue Oct 5 02:00:40 GMT 2004 MKIV End Patrol

Tue Oct 5 02:06:56 GMT 2004

MkIV

00_01.rawmk4	01_54.rawmk4	18_54.rawmk4	20_43.rawmk4	22_39.rawmk4
00_04.rawmk4	01_57.rawmk4	18_57.rawmk4	20_46.rawmk4	22_42.rawmk4
00_07.rawmk4	17_06.rawmk4	19_00.rawmk4	20_49.rawmk4	22_45.rawmk4
00_10.rawmk4	17_09.rawmk4	19_03.rawmk4	20_52.rawmk4	22_48.rawmk4
00_13.rawmk4	17_12.rawmk4	19_06.rawmk4	20_55.rawmk4	22_51.rawmk4
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