
Mauna Loa Solar Observatory Observer's Log

Wed Oct 8 16:29:44 GMT 2003

Year: 03 Doy: 281

Observer: yasukawa

WEATHER COMMENT: Wed Oct 8 16:30:19 GMT 2003

Cool, clear, brisk southeast wind.

COMMENT: Wed Oct 8 16:32:48 GMT 2003

Workstation clocks are synchronized with WWVH time. Bunny's fix was successful.

Wed Oct 8 16:42:01 GMT 2003 CHIP Start Patrol

Wed Oct 8 16:42:12 GMT 2003 PICS Start Patrol

PSPT COMMENT: Wed Oct 8 17:01:07 GMT 2003

Starting up

****MLSO PROBLEM****: Wed Oct 8 17:01:18 GMT 2003

I did not see any of the usual signs that data transfers between pspt and kaiee and between kaiee and the dlt tape occurred overnight. Alerted trouble (CSMT).

MKIV COMMENT: Wed Oct 8 17:07:24 GMT 2003

Centering O1 as mk4 clears the dome cylinder.

Wed Oct 8 17:07:50 GMT 2003 MKIV Start Patrol

PSPT COMMENT: Wed Oct 8 17:10:40 GMT 2003

Observing.

****MLSO PROBLEM****: Wed Oct 8 17:13:20 GMT 2003

Alice reports that the dlt was deathly slow last night. It just finished.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Oct 8 17:13:47 GMT 2003

****PSPT PROBLEM****: Wed Oct 8 17:36:15 GMT 2003

CaK image is overexposed and Blue image is moderately underexposed.

Red image looks OK.

Stopping to check things out.

****PSPT PROBLEM****: Wed Oct 8 17:57:22 GMT 2003

I ran Shutdown so I could reset PC in an attempt to troubleshoot the exposure problem. At the completion of the Shutdown program, the pspt hard drive's led began furiously blinking, indicating that the data may be transferring out. Let Bunny know.

Wed Oct 8 18:00:46 GMT 2003 CHIP LSD

MKIV COMMENT: Wed Oct 8 18:01:01 GMT 2003

Centered O1.

Wed Oct 8 18:02:41 GMT 2003 CHIP End LSD

Wed Oct 8 18:02:53 GMT 2003 CHIP BiasLSD

Wed Oct 8 18:03:29 GMT 2003 PICS Flat

Wed Oct 8 18:03:53 GMT 2003 CHIP End BiasLSD

Wed Oct 8 18:04:06 GMT 2003 CHIP Bias

Wed Oct 8 18:05:08 GMT 2003 CHIP End Bias

Wed Oct 8 18:05:54 GMT 2003 PICS End Flat

Wed Oct 8 18:07:11 GMT 2003 MKIV End Patrol

Wed Oct 8 18:07:23 GMT 2003 MKIV Start Cal

****PSPT PROBLEM****: Wed Oct 8 18:17:53 GMT 2003

Exposures still screwy. The funny exposures appear consistent to the filter as mentioned above indicating that the shutter is not inconsistent in operation (sticking either direction) otherwise overexposures and under exposures would be random.

Checking out filter positions.

Wed Oct 8 18:26:11 GMT 2003 MKIV End Cal

Wed Oct 8 18:26:21 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Wed Oct 8 19:04:36 GMT 2003

Centered O1.

****PSPT PROBLEM****: Wed Oct 8 19:04:05 GMT 2003

Found the exposure problem. That's the good news.

The bad news is the problem is the ND filter on the CaK filter shattered into 5 major pieces. I found 3 pieces inside the filter wheel compartment and retrieved 2 more pieces from inside the focus tube. These pieces were the cause of the vignetting on the Blue and Red images. Had to turn the spar upside down to get the pieces out of the tube.

I will try matching the ND filter as close as possible to a spare on hand up here and Randy may need to go thru an exposure exercise to get images back to the intensity of the former images.

****MLSO PROBLEM****: Wed Oct 8 19:20:24 GMT 2003

Wind causing tarp on Carrol spar housing to flap a lot. Tightend down the securing ropes that had worked its way loose.

****MLSO PROBLEM****: Wed Oct 8 19:25:54 GMT 2003

Hoike not updating mk4 animations. The others are animating.

****PSPT PROBLEM****: Wed Oct 8 19:50:37 GMT 2003

None of the spare ND filters are anywhere near the same density as the broken CaK filter. I alerted Randy, Mark, and Kim of the situation. Shutting down.

Wed Oct 8 20:07:56 GMT 2003 CHIP End Patrol

Wed Oct 8 20:08:01 GMT 2003 PICS End Patrol

COMMENT: Wed Oct 8 20:08:04 GMT 2003

Stopping to reconfigure dome shutter.

Wed Oct 8 20:14:14 GMT 2003 MKIV End Patrol

Wed Oct 8 20:18:38 GMT 2003 MKIV Start Patrol

COMMENT: Wed Oct 8 20:18:40 GMT 2003

Centered O1.

Wed Oct 8 20:18:40 GMT 2003 CHIP Start Patrol

Wed Oct 8 20:18:50 GMT 2003 PICS Start Patrol

****MLSO PROBLEM****: Wed Oct 8 20:28:10 GMT 2003

Taut-line hitches not sturdy enough to hold against today's wind. I changed some of the failing one for more secure, but non adjustable, three half hitches.

MKIV COMMENT: Wed Oct 8 20:58:42 GMT 2003

Centered O1.

****MKIV PROBLEM****: Wed Oct 8 21:00:23 GMT 2003

Console message:

WARNING: /tmp: File system full, swap space limit exceeded

COMMENT: Wed Oct 8 21:58:19 GMT 2003

Declination reset itself, repointed spar and reset guider.

MKIV COMMENT: Wed Oct 8 22:32:13 GMT 2003

Stopping temporarily to check out loss of cmdtool.

Wed Oct 8 22:33:03 GMT 2003 MKIV End Patrol

Wed Oct 8 22:33:06 GMT 2003

MkIV

Wed Oct 8 22:40:08 GMT 2003 MKIV Start Patrol

MKIV PROBLEM: Wed Oct 8 22:48:55 GMT 2003

Reboot of nahenahe got the images to resume loading to xanim on nahenahe and hoike.

MKIV COMMENT: Wed Oct 8 22:55:05 GMT 2003

Centered O1.

PSPT PROBLEM: Wed Oct 8 23:41:29 GMT 2003

Further investigation into the cause of the ND filter breakage revealed that it is highly suspect that the ND filter just fell out of the holder and down into the telescope. It was held in by two pieces of photographic tape along its edge and the tape could have failed. Retaining lip on the holder was on the upward side of the filter. There was no retaining ring on the down side of the holder.

MKIV COMMENT: Thu Oct 9 00:05:24 GMT 2003

Centered O1.

GONG PROBLEM: Thu Oct 9 00:05:35 GMT 2003

Going down to GONG to work on their failed DLT Tape Write.

GONG COMMENT: Thu Oct 9 00:44:21 GMT 2003

Back from GONG.

Thu Oct 9 00:52:03 GMT 2003 CHIP End Patrol

COMMENT: Thu Oct 9 00:52:22 GMT 2003

Stopping to reconfigure dome shutter.

Thu Oct 9 00:55:29 GMT 2003 PICS End Patrol

Thu Oct 9 00:56:23 GMT 2003 MKIV End Patrol

MKIV COMMENT: Thu Oct 9 01:02:20 GMT 2003

Centered O1.

Thu Oct 9 01:02:23 GMT 2003 CHIP Start Patrol

Thu Oct 9 01:02:37 GMT 2003 MKIV Start Patrol

Thu Oct 9 01:02:28 GMT 2003 PICS Start Patrol

Thu Oct 9 02:26:52 GMT 2003 CHIP End Patrol

CHIP PROBLEM: Thu Oct 9 02:26:58 GMT 2003

CHIP domed out.

Thu Oct 9 02:31:00 GMT 2003 MKIV End Patrol

Thu Oct 9 02:33:41 GMT 2003 PICS End Patrol

Thu Oct 9 02:34:32 GMT 2003

MkIV

00_02.rawmk4	01_55.rawmk4	18_26.rawmk4	20_21.rawmk4	22_40.rawmk4
00_05.rawmk4	01_58.rawmk4	18_29.rawmk4	20_24.rawmk4	22_43.rawmk4
00_08.rawmk4	02_01.rawmk4	18_32.rawmk4	20_27.rawmk4	22_46.rawmk4
00_11.rawmk4	02_04.rawmk4	18_35.rawmk4	20_30.rawmk4	22_48.rawmk4
00_14.rawmk4	02_07.rawmk4	18_38.rawmk4	20_33.rawmk4	22_51.rawmk4

00_17.rawmk4	02_10.rawmk4	18_41.rawmk4	20_36.rawmk4	22_54.rawmk4
00_20.rawmk4	02_13.rawmk4	18_44.rawmk4	20_39.rawmk4	22_57.rawmk4
00_22.rawmk4	02_16.rawmk4	18_46.rawmk4	20_45.rawmk4	23_00.rawmk4
00_25.rawmk4	02_19.rawmk4	18_49.rawmk4	20_49.rawmk4	23_03.rawmk4
00_28.rawmk4	02_21.rawmk4	18_52.rawmk4	20_52.rawmk4	23_06.rawmk4
00_31.rawmk4	02_24.rawmk4	18_55.rawmk4	20_55.rawmk4	23_09.rawmk4
00_34.rawmk4	02_27.rawmk4	18_58.rawmk4	20_58.rawmk4	23_12.rawmk4
00_40.rawmk4	17_07.rawmk4	19_01.rawmk4	21_01.rawmk4	23_15.rawmk4
00_44.rawmk4	17_10.rawmk4	19_07.rawmk4	21_04.rawmk4	23_18.rawmk4
00_47.rawmk4	17_13.rawmk4	19_11.rawmk4	21_07.rawmk4	23_21.rawmk4
00_50.rawmk4	17_16.rawmk4	19_14.rawmk4	21_11.rawmk4	23_24.rawmk4
00_53.rawmk4	17_19.rawmk4	19_17.rawmk4	21_14.rawmk4	23_27.rawmk4
01_02.rawmk4	17_22.rawmk4	19_20.rawmk4	21_17.rawmk4	23_30.rawmk4
01_05.rawmk4	17_25.rawmk4	19_23.rawmk4	21_20.rawmk4	23_33.rawmk4
01_08.rawmk4	17_28.rawmk4	19_26.rawmk4	21_23.rawmk4	23_35.rawmk4
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01_14.rawmk4	17_34.rawmk4	19_31.rawmk4	21_32.rawmk4	23_41.rawmk4
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01_52.rawmk4	18_22.rawmk4	20_18.rawmk4	22_26.rawmk4	