
Mauna Loa Solar Observatory Observer's Log

Sat Mar 1 17:00:31 GMT 2003

Year: 03 Doy: 060

Observer: stueben

WEATHER COMMENT: Sat Mar 1 17:06:53 GMT 2003

Clear, wind southeast 10-15mph, temp 36F.

Sat Mar 1 17:09:38 GMT 2003 CHIP Start Patrol

Sat Mar 1 17:09:56 GMT 2003 PICS Start Patrol

MKIV COMMENT: Sat Mar 1 17:34:40 GMT 2003

Centered 01 guider.

Sat Mar 1 17:35:53 GMT 2003 MKIV Start Patrol

Sat Mar 1 17:51:12 GMT 2003 MKIV Start Patrol

Sat Mar 1 18:00:44 GMT 2003 CHIP LSD

Sat Mar 1 18:02:38 GMT 2003 CHIP End LSD

Sat Mar 1 18:02:46 GMT 2003 CHIP BiasLSD

Sat Mar 1 18:03:39 GMT 2003 CHIP End BiasLSD

Sat Mar 1 18:03:40 GMT 2003 PICS Flat

Sat Mar 1 18:03:50 GMT 2003 CHIP Bias

Sat Mar 1 18:04:44 GMT 2003 CHIP End Bias

Sat Mar 1 18:05:54 GMT 2003 PICS End Flat

Sat Mar 1 18:15:12 GMT 2003 MKIV Start Patrol

Sat Mar 1 19:00:23 GMT 2003 MKIV Start Patrol

Sat Mar 1 19:16:57 GMT 2003 MKIV Start Patrol

Sat Mar 1 19:39:16 GMT 2003 MKIV End Patrol

Sat Mar 1 19:43:34 GMT 2003 PICS End Patrol

Sat Mar 1 19:43:49 GMT 2003 CHIP End Patrol

MKIV PROBLEM Sat Mar 1 19:47:34 GMT 2003

Having problems with barrel glitches. Removed sheetmetal shield and found camera heater cable twisted into loop in adjacent section. Have idled PICS, CHIP to replace shield (since I keep disturbing the guider).

Sat Mar 1 20:25:32 GMT 2003 PICS Start Patrol

Sat Mar 1 20:25:31 GMT 2003 CHIP Start Patrol

Sat Mar 1 20:36:33 GMT 2003 MKIV Start Patrol

Sat Mar 1 21:14:52 GMT 2003 MKIV Start Patrol

Sat Mar 1 21:26:29 GMT 2003 MKIV End Patrol

MKIV PROBLEM Sat Mar 1 21:29:53 GMT 2003

Still having barrel glitches after untangling heater cable and putting shield back on. Barrel stops ar about 41deg moving CCW and -40deg moving cw.

Sat Mar 1 22:09:18 GMT 2003 CHIP End Patrol

Sat Mar 1 22:09:29 GMT 2003 PICS End Patrol

MKIV PROBLEM Sat Mar 1 22:14:19 GMT 2003

Idling PICS, CHIP while I take off the Mk4 wrapup shield and have another look inside.

Sat Mar 1 22:56:52 GMT 2003 MKIV Start Patrol

Sat Mar 1 22:59:00 GMT 2003 CHIP Start Patrol

Sat Mar 1 22:59:02 GMT 2003 PICS Start Patrol

Sat Mar 1 23:23:49 GMT 2003 MKIV Start Patrol
Sun Mar 2 00:22:09 GMT 2003 MKIV End Patrol

****MKIV PROBLEM****: Sun Mar 2 00:58:40 GMT 2003

The barrel problem looks more like software than hardware. On each scan the barrel stops about 2/3 of the way through the scan (at -40.5 for CW, at 40.5 for CCW

), remains stopped for about 10 seconds, then restarts and completes the scan. The DRIVE and REQUEST status LEDs on the barrel drive module go out at the time the barrel stops and come on again when it restarts. There is also a beep when the barrel restarts. At the end of a scan the reverse direction scan starts immediately (instead of waiting about 10 sec) and there is no beep at the start. I also operated the barrel drive CW and CCW through several scans from the controls on the akamai monitor and the barrel rotated smoothly with not stops or hesitation at the 40deg and -40deg rotations. Am leaving Mk4 idled for the rest of the day.

****PSPT PROBLEM****: Sun Mar 2 01:18:34 GMT 2003

About 20:00UT I noticed that the PSPT image was very blurred. Upon looking at the telescope the RA axis appeared to be oscillating with the sunward end moving rapidly with an amplitude of roughly 1/2 inch. PSPT was doing flatfield at the time. Aborting observation, and running shutdown and the restart fixed the problem. (Didn't log this earlier due to Mk4 problem.)

Sun Mar 2 01:50:48 GMT 2003 CHIP End Patrol

Sun Mar 2 01:53:00 GMT 2003 PICS End Patrol

Sun Mar 2 02:00:35 GMT 2003 CHIP Start Patrol

Sun Mar 2 02:00:49 GMT 2003 PICS Start Patrol

COMMENT: Sun Mar 2 01:52:40 GMT 2003

Idling PICS, CHIP to reconfigure dome - looks like we'll need to do this twice a day with the longer observation days.

****PICS PROBLEM****: Sun Mar 2 02:19:28 GMT 2003

PICS stalled on restarting patrol after reconfiguring dome. Leaving it shut down since its 10 min to end of day.

Sun Mar 2 02:29:41 GMT 2003 CHIP End Patrol

Sun Mar 2 02:32:53 GMT 2003

MkIV

00_02.rawmk4	17_54.rawmk4	20_36.rawmk4	21_14.rawmk4	23_37.rawmk4
00_07.rawmk4	18_15.rawmk4	20_40.rawmk4	21_18.rawmk4	23_42.rawmk4
00_12.rawmk4	19_16.rawmk4	20_44.rawmk4	22_56.rawmk4	23_46.rawmk4
00_17.rawmk4	19_22.rawmk4	20_50.rawmk4	23_23.rawmk4	23_51.rawmk4
17_35.rawmk4	19_27.rawmk4	20_56.rawmk4	23_27.rawmk4	23_56.rawmk4
17_51.rawmk4	19_33.rawmk4	21_00.rawmk4	23_33.rawmk4	