
Mauna Loa Solar Observatory Observer's Log

Tue Aug 14 16:21:37 GMT 2001

Year: 01 Doy: 226

Observer: yasukawa

WEATHER COMMENT: Tue Aug 14 16:22:15 GMT 2001

Cool, clear, light south breeze.

Tue Aug 14 16:32:22 GMT 2001 CHIP Start Patrol

Tue Aug 14 16:32:34 GMT 2001 PICS Start Patrol

Tue Aug 14 16:37:05 GMT 2001 MKIV Start Patrol

Tue Aug 14 17:01:03 GMT 2001 CHIP LSD

Tue Aug 14 17:03:19 GMT 2001 CHIP End LSD

Tue Aug 14 17:03:28 GMT 2001 CHIP BiasLSD

Tue Aug 14 17:04:50 GMT 2001 CHIP End BiasLSD

Tue Aug 14 17:05:04 GMT 2001 CHIP Bias

Tue Aug 14 17:06:22 GMT 2001 CHIP End Bias

****CHIP PROBLEM****: Tue Aug 14 17:05:55 GMT 2001

Cover/diffuser configuration stalled, may be sticking microswitch.

Used alakai control panel to re-enable mechanism to resume Bias.

Program failed... cover/diffuser not working properly.

Tue Aug 14 17:11:19 GMT 2001 CHIP End Patrol

****CHIP PROBLEM****: Tue Aug 14 17:34:56 GMT 2001

Exercised microswitches and then exercised mechanisms with hand-held terminal. CHIP diffuser works OK. CHIP cover motor runs but slips during OUT command, does not respond to IN command.

Tue Aug 14 18:01:55 GMT 2001 PICS Flat

****CHIP PROBLEM****: Tue Aug 14 18:02:16 GMT 2001

Swapped drive cards and alternate cards do not work in the cover slot, CHIP cover card works in the diffuser slot so problem is upstairs on the mechanism itself.

Tue Aug 14 18:04:52 GMT 2001 PICS End Flat

Tue Aug 14 18:05:50 GMT 2001 MKIV End Patrol

Tue Aug 14 18:06:01 GMT 2001 MKIV Start Cal

****CHIP PROBLEM****: Tue Aug 14 18:09:58 GMT 2001

One problem is the clutch or motor coupling for the cover is loose.

Other problem, cover motor runs for OUT but not for IN, may be due to the diffuser-out (cover-disable/enable) microswitch (SW2) is not enabled.

This condition will disable the cover-IN drive current.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue Aug 14 18:14:07 GMT 2001

Tue Aug 14 18:24:50 GMT 2001 MKIV End Cal

Tue Aug 14 18:25:03 GMT 2001 MKIV Start Patrol

****CHIP PROBLEM****: Tue Aug 14 18:41:00 GMT 2001

Tightened down on set screw on motor coupler, it was loose.

Adjusted actuator arm on SW2 microswitch. Tested with handheld terminal and determined that the problems with the cover/diffuser mechanism is now working properly.

Tue Aug 14 18:43:42 GMT 2001 CHIP Start Patrol

Tue Aug 14 19:03:42 GMT 2001 CHIP BiasLSD

Tue Aug 14 19:04:31 GMT 2001 CHIP End BiasLSD

Tue Aug 14 19:04:47 GMT 2001 CHIP Bias

Tue Aug 14 19:05:36 GMT 2001 CHIP End Bias

****PSPT PROBLEM****: Tue Aug 14 19:06:17 GMT 2001

PSPT stalled at 1823 UT. Killed RunPspt.pro and restarted.

COMMENT: Tue Aug 14 19:14:24 GMT 2001

Reconfigured dome shutter.

****CHIP PROBLEM****: Tue Aug 14 19:14:39 GMT 2001

While troubleshooting CHIP cover/diffuser, i found that we do not have any spare OTTO MS27257-2 microswitches in stock. There are two unused microswitches (SW4 and SW8) mounted on the assembly that can be used as spares but they are getting cycled (bashed) along with the working microswitches so they may fail before or soon after they can be used. Emailed Kim to request the IG order some spares for us whenever they have an opportunity to purchase other parts.

GONG COMMENT: Tue Aug 14 19:20:24 GMT 2001

Going down to GONG to do weekly PM.

GONG COMMENT: Tue Aug 14 19:42:22 GMT 2001

Back from GONG.

Tue Aug 14 20:01:10 GMT 2001 CHIP LSD
Tue Aug 14 20:03:25 GMT 2001 CHIP End LSD
Tue Aug 14 20:03:42 GMT 2001 CHIP BiasLSD
Tue Aug 14 20:04:29 GMT 2001 CHIP End BiasLSD
Tue Aug 14 20:04:37 GMT 2001 CHIP Bias
Tue Aug 14 20:05:19 GMT 2001 CHIP End Bias
Tue Aug 14 21:00:58 GMT 2001 CHIP LSD
Tue Aug 14 21:03:13 GMT 2001 CHIP End LSD
Tue Aug 14 21:03:26 GMT 2001 CHIP BiasLSD
Tue Aug 14 21:04:14 GMT 2001 CHIP End BiasLSD
Tue Aug 14 21:04:22 GMT 2001 CHIP Bias
Tue Aug 14 21:05:04 GMT 2001 CHIP End Bias

**** EVENT COMMENT ****: Tue Aug 14 21:34:49 GMT 2001
CME at PA 310-350, starting at around 2040 UT.

**** EVENT COMMENT ****: Tue Aug 14 21:37:39 GMT 2001

There is also an EPL at PA 315, appearing above the limb from 2114 UT.

Tue Aug 14 22:01:18 GMT 2001 CHIP LSD
Tue Aug 14 22:03:37 GMT 2001 CHIP End LSD
Tue Aug 14 22:03:54 GMT 2001 CHIP BiasLSD
Tue Aug 14 22:04:43 GMT 2001 CHIP End BiasLSD
Tue Aug 14 22:04:59 GMT 2001 CHIP Bias
Tue Aug 14 22:05:53 GMT 2001 CHIP End Bias
Tue Aug 14 22:05:57 GMT 2001 PICS End Patrol
Tue Aug 14 22:08:20 GMT 2001 CHIP End Patrol
Tue Aug 14 22:08:52 GMT 2001

MkIV

16_37.rawmk4	17_42.rawmk4	18_57.rawmk4	20_02.rawmk4	21_10.rawmk4
16_40.rawmk4	17_45.rawmk4	19_00.rawmk4	20_05.rawmk4	21_13.rawmk4
16_43.rawmk4	17_47.rawmk4	19_03.rawmk4	20_10.rawmk4	21_16.rawmk4
16_46.rawmk4	17_50.rawmk4	19_06.rawmk4	20_14.rawmk4	21_19.rawmk4
16_48.rawmk4	17_53.rawmk4	19_09.rawmk4	20_17.rawmk4	21_22.rawmk4
16_51.rawmk4	17_56.rawmk4	19_12.rawmk4	20_20.rawmk4	21_25.rawmk4
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17_18.rawmk4	18_33.rawmk4	19_38.rawmk4	20_47.rawmk4	21_51.rawmk4
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17_36.rawmk4	18_51.rawmk4	19_56.rawmk4	21_04.rawmk4	c18_18.rawmk4
17_39.rawmk4	18_54.rawmk4	19_59.rawmk4	21_07.rawmk4	