
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
16_54.rawmk4	17_59.rawmk4	19_15.rawmk4	20_23.rawmk4	21_28.rawmk4
16_57.rawmk4	18_02.rawmk4	19_17.rawmk4	20_26.rawmk4	21_31.rawmk4
17_00.rawmk4	18_09.rawmk4	19_20.rawmk4	20_29.rawmk4	21_34.rawmk4
17_03.rawmk4	18_15.rawmk4	19_23.rawmk4	20_32.rawmk4	21_37.rawmk4
17_06.rawmk4	18_21.rawmk4	19_26.rawmk4	20_35.rawmk4	21_40.rawmk4
17_09.rawmk4	18_25.rawmk4	19_29.rawmk4	20_38.rawmk4	21_42.rawmk4
17_12.rawmk4	18_27.rawmk4	19_32.rawmk4	20_41.rawmk4	21_45.rawmk4
17_15.rawmk4	18_30.rawmk4	19_35.rawmk4	20_44.rawmk4	21_48.rawmk4
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17_24.rawmk4	18_39.rawmk4	19_44.rawmk4	20_52.rawmk4	21_57.rawmk4
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17_30.rawmk4	18_45.rawmk4	19_50.rawmk4	20_58.rawmk4	c18_06.rawmk4
17_33.rawmk4	18_48.rawmk4	19_53.rawmk4	21_01.rawmk4	c18_12.rawmk4
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	