
Mauna Loa Solar Observatory Observer's Log

Sun Oct 28 16:47:06 GMT 2007

Year: 07 Doy: 301

Observer: yasukawa

WEATHER COMMENT: Sun Oct 28 16:47:09 GMT 2007

Cleqar, SE wind 19 mph, temp 41 F.

____end____

Sun Oct 28 16:51:05 GMT 2007 CHIP Start Patrol
Sun Oct 28 16:54:34 GMT 2007 PICS Start Patrol
Sun Oct 28 17:13:39 GMT 2007 MKIV Start Patrol
Sun Oct 28 18:00:55 GMT 2007 CHIP LSD
Sun Oct 28 18:01:18 GMT 2007 PICS Flat
Sun Oct 28 18:02:47 GMT 2007 CHIP End LSD
Sun Oct 28 18:02:56 GMT 2007 CHIP BiasLSD
Sun Oct 28 18:03:39 GMT 2007 PICS End Flat
Sun Oct 28 18:03:49 GMT 2007 CHIP End BiasLSD
Sun Oct 28 18:03:51 GMT 2007 PICS ReStart Patrol
Sun Oct 28 18:04:04 GMT 2007 CHIP Bias
Sun Oct 28 18:05:06 GMT 2007 CHIP End Bias
Sun Oct 28 18:05:14 GMT 2007 CHIP ReStart Patrol
Sun Oct 28 18:06:55 GMT 2007 MKIV End Patrol
Sun Oct 28 18:07:02 GMT 2007 MKIV Start Cal
Sun Oct 28 18:25:48 GMT 2007 MKIV End Cal
Sun Oct 28 18:25:59 GMT 2007 MKIV Start Patrol

PSPT PROBLEM : Sun Oct 28 18:50:53 GMT 2007

Checked out dome rotator. Home switch mount was again bent out of shape. I took it apart and straightened the mount post. Took microswitch apart and checked it out. NC and NO were actuating OK. Reassembled the switch and mount and adjusted the actuator. Dome is still running in the wrong direction to home itself. Checking further.

____end____

WEATHER COMMENT: Sun Oct 28 19:43:04 GMT 2007

In scattered cirrus

____end____

PSPT PROBLEM : Sun Oct 28 19:56:36 GMT 2007

There are two mechanical relays in the dome rotator box. Top one is for RUN on/off. Bottom one is for DIRECTION cw/ccw. RUN turns on each time dome is rotated. DIR turns on when CCW (dome goto decreasing number) is requested. DIR does not actuate when CW (dome goto increasing number) is requested. Mechanical relays function normally when manual switch is actuated, both CW and CCW. Computer control bypasses the manual switch and goes thru a pair (L & R--RUN and DIR) of SSRs. Checked the control voltages to each SSR and found there wa no change in voltage to the DIR SSR when CCW was requested--there should be for CCW and there shouldn't be for CW. Disassembled Jones connector to the box that provides the DIR control from the computer and found the red wire to

pin 2 broken. (Pins 1 & 2 are DIR, pins 3 & 4 are RUN). Resoldered the wire, reassembled connector and tested dome rotator. Rotation in both directions now work correctly.

Dome rotator still has a problem of jumping the track near the HOME azimuth. This causes the dome to rotate to an incorrect azimuth after homing itself. Encoder counts the requested steps but the dome doesn't actually rotate that number of steps due to the skipping. Attempting to adjust that problem.

____end____

PSPT PROBLEM : Sun Oct 28 21:06:38 GMT 2007
Marked off track sectors where dome rotator motor/drive was jumping.
Lifted the track a little with crowbar in those sectors.
Tested--drive ran smoothly over the sectors.
Reassembled everything that was taken apart earlier.

____end____

PSPT COMMENT: Sun Oct 28 21:09:00 GMT 2007
Starting up --- everybody is behaving!

____end____

PSPT COMMENT: Sun Oct 28 21:10:52 GMT 2007
Observing. (!!!)

____end____

NICE MK4 IMAGE: 1810
NICE CHIP IMAGE: 1811
NICE PICSLIMB IMAGE: 1811
NICE PICSDISC IMAGE: 1810

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Oct 28 21:17:24 GMT 2007
WEATHER COMMENT: Sun Oct 28 21:17:50 GMT 2007

Still pretty windy outside.

____end____

PSPT PROBLEM : Sun Oct 28 21:18:25 GMT 2007
Spar getting buffeted.

____end____

PSPT COMMENT: Sun Oct 28 22:47:53 GMT 2007
Hey! I just noticed that the memidl timeout counter is incrementing counts on the same line, not on separate lines, again (at least for now).

____end____

Sun Oct 28 22:54:16 GMT 2007 CHIP End Patrol
Sun Oct 28 22:54:22 GMT 2007 PICS End Patrol
Sun Oct 28 22:56:31 GMT 2007 MKIV End Patrol
Sun Oct 28 22:58:58 GMT 2007

MkIV

17_13.rawmk4	18_34.rawmk4	19_45.rawmk4	20_55.rawmk4	22_06.rawmk4
17_16.rawmk4	18_37.rawmk4	19_48.rawmk4	20_58.rawmk4	22_09.rawmk4
17_19.rawmk4	18_40.rawmk4	19_51.rawmk4	21_01.rawmk4	22_12.rawmk4
17_22.rawmk4	18_43.rawmk4	19_54.rawmk4	21_04.rawmk4	22_15.rawmk4

17_25.rawmk4	18_46.rawmk4	19_56.rawmk4	21_07.rawmk4	22_17.rawmk4
17_28.rawmk4	18_49.rawmk4	19_59.rawmk4	21_10.rawmk4	22_20.rawmk4
17_31.rawmk4	18_52.rawmk4	20_02.rawmk4	21_13.rawmk4	22_23.rawmk4
17_34.rawmk4	18_55.rawmk4	20_05.rawmk4	21_16.rawmk4	22_26.rawmk4
17_37.rawmk4	18_58.rawmk4	20_08.rawmk4	21_19.rawmk4	22_29.rawmk4
17_40.rawmk4	19_01.rawmk4	20_11.rawmk4	21_22.rawmk4	22_32.rawmk4
17_43.rawmk4	19_04.rawmk4	20_14.rawmk4	21_25.rawmk4	22_35.rawmk4
17_46.rawmk4	19_07.rawmk4	20_17.rawmk4	21_27.rawmk4	22_38.rawmk4
17_49.rawmk4	19_09.rawmk4	20_20.rawmk4	21_30.rawmk4	22_41.rawmk4
17_51.rawmk4	19_12.rawmk4	20_23.rawmk4	21_33.rawmk4	22_44.rawmk4
17_54.rawmk4	19_15.rawmk4	20_26.rawmk4	21_36.rawmk4	22_47.rawmk4
17_57.rawmk4	19_18.rawmk4	20_29.rawmk4	21_39.rawmk4	22_50.rawmk4
18_00.rawmk4	19_21.rawmk4	20_32.rawmk4	21_42.rawmk4	22_53.rawmk4
18_03.rawmk4	19_24.rawmk4	20_35.rawmk4	21_45.rawmk4	c18_07.rawmk4
18_10.rawmk4	19_27.rawmk4	20_38.rawmk4	21_48.rawmk4	c18_13.rawmk4
18_16.rawmk4	19_30.rawmk4	20_41.rawmk4	21_51.rawmk4	c18_19.rawmk4
18_22.rawmk4	19_33.rawmk4	20_44.rawmk4	21_54.rawmk4	
18_25.rawmk4	19_36.rawmk4	20_46.rawmk4	21_57.rawmk4	
18_28.rawmk4	19_39.rawmk4	20_49.rawmk4	22_00.rawmk4	
18_31.rawmk4	19_42.rawmk4	20_52.rawmk4	22_03.rawmk4	