

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Mon Oct 11 16:58:06 GMT 2010

Year: 10 Doy: 284

Observer: stueben

WEATHER COMMENT: Mon Oct 11 17:02:34 GMT 2010

Clear, wind southeast 15-20 mph, temp 44F.

\_\_\_\_end\_\_\_\_

Mon Oct 11 17:18:40 GMT 2010 H-ALPHA Start Patrol  
Mon Oct 11 17:19:47 GMT 2010 MKIV Start Patrol  
Mon Oct 11 17:32:14 GMT 2010 COMP Start Patrol  
Mon Oct 11 17:36:52 GMT 2010 CHIP Start Patrol  
Mon Oct 11 18:01:42 GMT 2010 CHIP LSD  
Mon Oct 11 18:03:18 GMT 2010 CHIP End LSD  
Mon Oct 11 18:03:27 GMT 2010 CHIP BiasLSD  
Mon Oct 11 18:04:11 GMT 2010 CHIP End BiasLSD  
Mon Oct 11 18:04:27 GMT 2010 CHIP Bias  
Mon Oct 11 18:05:13 GMT 2010 CHIP End Bias  
Mon Oct 11 18:05:20 GMT 2010 CHIP ReStart Patrol  
Mon Oct 11 18:18:52 GMT 2010 MKIV End Patrol  
Mon Oct 11 18:19:02 GMT 2010 MKIV Start Cal  
Mon Oct 11 18:37:47 GMT 2010 MKIV End Cal  
Mon Oct 11 18:37:54 GMT 2010 MKIV Start Patrol  
Mon Oct 11 18:56:48 GMT 2010 COMP End Patrol  
Mon Oct 11 18:57:18 GMT 2010 COMP Start Patrol  
Mon Oct 11 20:27:24 GMT 2010 COMP End Patrol  
Mon Oct 11 20:27:58 GMT 2010 COMP Start Patrol  
Mon Oct 11 20:35:35 GMT 2010 CHIP End Patrol  
Mon Oct 11 20:36:01 GMT 2010 MKIV End Patrol  
Mon Oct 11 20:36:32 GMT 2010 COMP End Patrol  
Mon Oct 11 20:38:07 GMT 2010 H-ALPHA End Patrol  
Mon Oct 11 20:45:18 GMT 2010 COMP Start Patrol  
Mon Oct 11 20:57:42 GMT 2010 MKIV Start Patrol  
Mon Oct 11 20:57:46 GMT 2010 H-ALPHA Start Patrol  
Mon Oct 11 20:57:59 GMT 2010 CHIP Start Patrol  
Mon Oct 11 22:10:52 GMT 2010 COMP End Patrol  
Mon Oct 11 22:11:26 GMT 2010 COMP Start Patrol

GONG COMMENT BY ALLEN: Mon Oct 11 22:41:38 GMT 2010

Performed weekly pm.

\_\_\_\_end\_\_\_\_

Mon Oct 11 23:01:44 GMT 2010 CHIP LSD  
Mon Oct 11 23:03:11 GMT 2010 CHIP End LSD  
Mon Oct 11 23:03:23 GMT 2010 CHIP BiasLSD  
Mon Oct 11 23:04:02 GMT 2010 CHIP End BiasLSD  
Mon Oct 11 23:04:13 GMT 2010 CHIP Bias  
Mon Oct 11 23:05:02 GMT 2010 CHIP End Bias  
Mon Oct 11 23:05:10 GMT 2010 CHIP ReStart Patrol

Mon Oct 11 23:35:42 GMT 2010 COMP End Patrol  
Mon Oct 11 23:36:13 GMT 2010 COMP Start Patrol  
Tue Oct 12 00:04:51 GMT 2010 COMP End Patrol  
Tue Oct 12 00:06:58 GMT 2010 COMP Start Patrol  
Tue Oct 12 01:31:16 GMT 2010 COMP End Patrol  
Tue Oct 12 01:31:47 GMT 2010 COMP Start Patrol  
Tue Oct 12 01:45:58 GMT 2010 CHIP End Patrol  
Tue Oct 12 01:48:37 GMT 2010 H-ALPHA End Patrol

\*\*PSPT PROBLEM COMMENT BY ALLEN\*\* : Tue Oct 12 01:49:10 GMT 2010

I looked at the xedar camera power supply/controller that resides under the telescope. It is a complex and awkward assembly that has large circuit boards attached to the top and bottom. The easiest way to open it appears to be removing the back (though it still has wiring attached to it). I probed around on the boards a bit but found nothing obviously wrong, but I would need a schematic to do serious troubleshooting. It appears to be driven from a signal called CCD\_TRIG which originates at the pc and is wired through the telescope and then down to the controller. The signal is set low when the "init sys" command is sent to the pc. The first "exp" command seems to set it high at the same time the uniblitz shutter is fired, the signal then stays high til the next "exp" when it goes low and then back high at the same time the uniblitz is fired. There is a front panel switch labeled shutter which seems to be broken, the power indicator (which is an old neon lamp) also does not work.

\_\_\_\_end\_\_\_\_  
Tue Oct 12 02:10:40 GMT 2010 MKIV End Patrol  
Tue Oct 12 02:11:39 GMT 2010 COMP End Patrol  
Tue Oct 12 02:38:21 GMT 2010

MkIV

00_00.rawmk4	01_46.rawmk4	18_49.rawmk4	20_32.rawmk4	22_37.rawmk4
00_03.rawmk4	01_49.rawmk4	18_52.rawmk4	20_57.rawmk4	22_40.rawmk4
00_05.rawmk4	01_52.rawmk4	18_55.rawmk4	21_00.rawmk4	22_43.rawmk4
00_08.rawmk4	01_55.rawmk4	18_58.rawmk4	21_03.rawmk4	22_46.rawmk4
00_11.rawmk4	01_58.rawmk4	19_01.rawmk4	21_06.rawmk4	22_49.rawmk4
00_14.rawmk4	02_01.rawmk4	19_04.rawmk4	21_09.rawmk4	22_52.rawmk4
00_17.rawmk4	02_04.rawmk4	19_07.rawmk4	21_12.rawmk4	22_55.rawmk4
00_20.rawmk4	02_07.rawmk4	19_10.rawmk4	21_15.rawmk4	22_58.rawmk4
00_23.rawmk4	17_19.rawmk4	19_13.rawmk4	21_18.rawmk4	23_01.rawmk4
00_26.rawmk4	17_22.rawmk4	19_16.rawmk4	21_21.rawmk4	23_04.rawmk4
00_29.rawmk4	17_25.rawmk4	19_18.rawmk4	21_24.rawmk4	23_07.rawmk4
00_32.rawmk4	17_28.rawmk4	19_21.rawmk4	21_27.rawmk4	23_10.rawmk4
00_35.rawmk4	17_31.rawmk4	19_24.rawmk4	21_30.rawmk4	23_13.rawmk4
00_38.rawmk4	17_34.rawmk4	19_27.rawmk4	21_33.rawmk4	23_16.rawmk4
00_41.rawmk4	17_37.rawmk4	19_30.rawmk4	21_35.rawmk4	23_18.rawmk4
00_44.rawmk4	17_40.rawmk4	19_33.rawmk4	21_38.rawmk4	23_21.rawmk4
00_47.rawmk4	17_43.rawmk4	19_36.rawmk4	21_41.rawmk4	23_24.rawmk4
00_53.rawmk4	17_46.rawmk4	19_39.rawmk4	21_44.rawmk4	23_27.rawmk4
00_56.rawmk4	17_49.rawmk4	19_42.rawmk4	21_47.rawmk4	23_30.rawmk4
00_59.rawmk4	17_52.rawmk4	19_45.rawmk4	21_50.rawmk4	23_33.rawmk4

01_02.rawmk4	17_55.rawmk4	19_48.rawmk4	21_53.rawmk4	23_36.rawmk4
01_05.rawmk4	17_58.rawmk4	19_51.rawmk4	21_56.rawmk4	23_39.rawmk4
01_08.rawmk4	18_00.rawmk4	19_54.rawmk4	21_59.rawmk4	23_42.rawmk4
01_11.rawmk4	18_03.rawmk4	19_57.rawmk4	22_02.rawmk4	23_45.rawmk4
01_14.rawmk4	18_06.rawmk4	20_00.rawmk4	22_05.rawmk4	23_48.rawmk4
01_17.rawmk4	18_09.rawmk4	20_03.rawmk4	22_08.rawmk4	23_51.rawmk4
01_20.rawmk4	18_12.rawmk4	20_06.rawmk4	22_11.rawmk4	23_54.rawmk4
01_23.rawmk4	18_15.rawmk4	20_09.rawmk4	22_14.rawmk4	23_57.rawmk4
01_26.rawmk4	18_22.rawmk4	20_12.rawmk4	22_17.rawmk4	c18_19.rawmk4
01_29.rawmk4	18_28.rawmk4	20_15.rawmk4	22_20.rawmk4	c18_25.rawmk4
01_32.rawmk4	18_34.rawmk4	20_17.rawmk4	22_23.rawmk4	c18_31.rawmk4
01_35.rawmk4	18_37.rawmk4	20_20.rawmk4	22_26.rawmk4	
01_38.rawmk4	18_40.rawmk4	20_23.rawmk4	22_28.rawmk4	
01_40.rawmk4	18_43.rawmk4	20_26.rawmk4	22_31.rawmk4	
01_43.rawmk4	18_46.rawmk4	20_29.rawmk4	22_34.rawmk4	