
Mauna Loa Solar Observatory Observer's Log

Sun Jun 11 16:34:01 GMT 2006

Year: 06 Doy: 162

Observer: koon

WEATHER COMMENT: Sun Jun 11 16:34:02 GMT 2006

Clear sky, wind=10 mph from the South, temp=48F.

____end____

WEATHER COMMENT: Sun Jun 11 16:40:40 GMT 2006

____end____

Sun Jun 11 16:41:19 GMT 2006 CHIP Start Patrol

Sun Jun 11 16:41:46 GMT 2006 PICS Start Patrol

Sun Jun 11 16:42:17 GMT 2006 MKIV Start Patrol

PSPT COMMENT: Sun Jun 11 16:53:43 GMT 2006

Observing.

____end____

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Jun 11 17:05:13 GMT 2006

PICS PROBLEM Sun Jun 11 17:20:54 GMT 2006

Occulting wheel not stopping correctly for limb images, investigating problem.

____end____

Sun Jun 11 17:22:19 GMT 2006 CHIP End Patrol

Sun Jun 11 17:22:26 GMT 2006 PICS End Patrol

Sun Jun 11 17:27:32 GMT 2006 PICS Start Patrol

Sun Jun 11 17:30:19 GMT 2006 CHIP Start Patrol

Sun Jun 11 17:30:26 GMT 2006 PICS End Patrol

Sun Jun 11 17:47:12 GMT 2006 MKIV End Patrol

Sun Jun 11 17:47:19 GMT 2006 MKIV Start Cal

Sun Jun 11 18:06:01 GMT 2006 MKIV End Cal

Sun Jun 11 18:10:47 GMT 2006 MKIV Start Patrol

COMMENT: Sun Jun 11 18:25:59 GMT 2006

Started Sky Brightness Monitor (SBM) obs, this is the new instrument we mounted at the front of the Spar.

____end____

Sun Jun 11 18:45:22 GMT 2006 CHIP LSD

Sun Jun 11 18:47:05 GMT 2006 CHIP Start Patrol

MLSO PROBLEM Sun Jun 11 19:31:31 GMT 2006

No dial tones on either telephone line. I used our cellphone and called 1-877-482-3900 just now and spoke to Kawai, she is currently testing our lines. I gave her our cellphone number 987-1697 to call me back after the testing. They may need to send someone out here on Wednesday to fix things, that person will call our cellphone number if necessary, so we need to keep the cellphone handy up here until things are fixed. The cellphone won't sit as designed in the charging cradle due to the stick-on clip, but that's OK, with a little patience you can get it to sit well enough in the cradle that the charging light will come on and indicate that it is charging.

____end____

Sun Jun 11 21:17:55 GMT 2006 PICS Start Patrol

Sun Jun 11 22:00:27 GMT 2006 PICS End Patrol
Sun Jun 11 22:03:26 GMT 2006 PICS Start Patrol
Sun Jun 11 22:05:17 GMT 2006 PICS End Patrol
Sun Jun 11 23:17:55 GMT 2006 PICS Start Patrol
Sun Jun 11 23:29:45 GMT 2006 PICS End Patrol

****PICS PROBLEM****: Sun Jun 11 23:30:04 GMT 2006

I've been bouncing the spar around working on the occulting wheel problem. Watching the GUI I can see the stations cycle through Clear, PICS, Wedge, Wedge, Wedge, Dark. The correct sequence should be Clear, PICS, Occult, Reticule, Wedge, Dark. The LED for Bit #2 on the PICS Occulting Wheel Status board never lights, so Occult and Reticule stations are never read now.

I tried changing the board with a spare, restarting MCC, restarting Patrol, and I even went through the laborious task of changing the HEI optical switch for the Bit #2 reading, the one on the disk that is farthest from the Occulting Wheel. Before I changed the switch I noticed that the Bit #2 LED didn't light though the old switch was still connected and nothing was blocking the sensors - it was hanging free from the actuating disk. When So I connected the new switch and got the same result - no LED lit for Bit #2. I installed the new switch anyway and it didn't help, right now it is hanging free and I'm taking a break from this problem.

____end____

Mon Jun 12 00:38:29 GMT 2006 PICS Start Patrol
Mon Jun 12 00:46:07 GMT 2006 PICS End Patrol
Mon Jun 12 00:50:58 GMT 2006 PICS Start Patrol
Mon Jun 12 00:53:35 GMT 2006 PICS End Patrol
Mon Jun 12 01:00:59 GMT 2006 PICS Start Patrol
Mon Jun 12 01:02:26 GMT 2006 PICS End Patrol
Mon Jun 12 01:06:03 GMT 2006 PICS Start Patrol
Mon Jun 12 01:18:15 GMT 2006 PICS End Patrol

****PICS PROBLEM****: Mon Jun 12 01:07:44 GMT 2006

I re-installed the new HEI switch for Bit #2. I checked voltages there and at the other HEI for Bits #0 and #1, I see a voltage of about 0.6 for the Bit #2 switch and about 1.3 vdc for the other switch, I expected to see something low for the Bit #2 switch but I don't understand the low voltage on the other switch - I expected to see about 5 vdc according to the drawings I found. Anyway I suspect a bad power supply in the "Y-box" as labeled in the drawings. I'm kind of worn out for today so I'll leave that voltage check for the guys tomorrow.

____end____

COMMENT: Mon Jun 12 01:34:39 GMT 2006

I ran the new SBM today without any problems.

____end____

Mon Jun 12 02:07:01 GMT 2006 MKIV End Patrol
Mon Jun 12 02:11:50 GMT 2006 CHIP End Patrol

****MLSO PROBLEM****: Mon Jun 12 02:21:45 GMT 2006

SBM problem: data aren't being moved to /archive directory, they are staying in /data directory.

____end____

NICE CHIP IMAGE: 1708
NICE MK4 IMAGE: 1912
NICE PICSDISC IMAGE: 1719
Mon Jun 12 02:26:54 GMT 2006
MkIV

00_00.rawmk4	01_52.rawmk4	18_34.rawmk4	20_25.rawmk4	22_17.rawmk4
00_03.rawmk4	01_54.rawmk4	18_37.rawmk4	20_28.rawmk4	22_20.rawmk4
00_06.rawmk4	01_57.rawmk4	18_40.rawmk4	20_31.rawmk4	22_23.rawmk4
00_09.rawmk4	02_00.rawmk4	18_43.rawmk4	20_34.rawmk4	22_26.rawmk4
00_12.rawmk4	02_03.rawmk4	18_46.rawmk4	20_37.rawmk4	22_29.rawmk4
00_15.rawmk4	16_42.rawmk4	18_49.rawmk4	20_40.rawmk4	22_32.rawmk4
00_17.rawmk4	16_45.rawmk4	18_51.rawmk4	20_43.rawmk4	22_35.rawmk4
00_20.rawmk4	16_48.rawmk4	18_54.rawmk4	20_46.rawmk4	22_38.rawmk4
00_23.rawmk4	16_51.rawmk4	18_57.rawmk4	20_49.rawmk4	22_41.rawmk4
00_26.rawmk4	16_54.rawmk4	19_00.rawmk4	20_52.rawmk4	22_44.rawmk4
00_29.rawmk4	16_57.rawmk4	19_03.rawmk4	20_55.rawmk4	22_46.rawmk4
00_32.rawmk4	17_00.rawmk4	19_06.rawmk4	20_58.rawmk4	22_49.rawmk4
00_35.rawmk4	17_02.rawmk4	19_09.rawmk4	21_01.rawmk4	22_52.rawmk4
00_38.rawmk4	17_05.rawmk4	19_12.rawmk4	21_04.rawmk4	22_55.rawmk4
00_41.rawmk4	17_08.rawmk4	19_15.rawmk4	21_07.rawmk4	22_58.rawmk4
00_44.rawmk4	17_11.rawmk4	19_18.rawmk4	21_10.rawmk4	23_01.rawmk4
00_47.rawmk4	17_14.rawmk4	19_21.rawmk4	21_12.rawmk4	23_04.rawmk4
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01_46.rawmk4	18_28.rawmk4	20_20.rawmk4	22_11.rawmk4	c17_53.rawmk4
01_49.rawmk4	18_31.rawmk4	20_23.rawmk4	22_14.rawmk4	c17_59.rawmk4