```
--------------------------------------------------------------------------------
                  Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
            Wed Feb 16 17:13:03 GMT 2005
Year: 05  Doy: 047
Observer: yasukawa
WEATHER COMMENT: Wed Feb 16 17:17:24 GMT 2005
Clear, S wind 11 mph, temp 35 F.
___end___
Wed Feb 16 17:21:17 GMT 2005    CHIP     Start Patrol
ECHO COMMENT: Wed Feb 16 17:21:18 GMT 2005
Time OK.
___end___
Wed Feb 16 17:21:29 GMT 2005    PICS     Start Patrol
PSPT COMMENT: Wed Feb 16 17:21:49 GMT 2005
Starting up.
___end___
Wed Feb 16 17:27:00 GMT 2005    MKIV    Start Patrol
MKIV COMMENT: Wed Feb 16 17:29:23 GMT 2005
mk4 hasn't cleared the dome cylinder yet.  Centering O1 as soon as it
does.
___end___
**PSPT PROBLEM**: Wed Feb 16 17:37:19 GMT 2005
Crashed at 1725 starting up at homing guider.  Killed and restarted.
___end___
MKIV COMMENT: Wed Feb 16 17:43:58 GMT 2005
nk4 cleared dome cylinder.  Centering O1.
___end___
PSPT COMMENT: Wed Feb 16 17:54:54 GMT 2005
Observing.
___end___
Wed Feb 16 18:00:43 GMT 2005    CHIP     LSD
Wed Feb 16 18:01:16 GMT 2005    PICS     Flat
Wed Feb 16 18:02:28 GMT 2005    CHIP     End LSD
Wed Feb 16 18:02:43 GMT 2005    CHIP     BiasLSD
Wed Feb 16 18:03:30 GMT 2005    PICS     End Flat
Wed Feb 16 18:03:37 GMT 2005    PICS     ReStart Patrol
Wed Feb 16 18:03:36 GMT 2005    CHIP     End BiasLSD
Wed Feb 16 18:03:50 GMT 2005    CHIP     Bias
Wed Feb 16 18:04:42 GMT 2005    CHIP     End Bias
Wed Feb 16 18:04:49 GMT 2005    CHIP     ReStart Patrol
Wed Feb 16 18:38:41 GMT 2005    MKIV    Start Cal
Wed Feb 16 18:57:24 GMT 2005    MKIV    End Cal
Wed Feb 16 18:57:31 GMT 2005    MKIV    Start Patrol
MKIV COMMENT: Wed Feb 16 19:00:30 GMT 2005
Centered O1.
___end___
MKIV COMMENT: Wed Feb 16 19:44:21 GMT 2005
```

Centered O1.
___end___
NICE MK4   IMAGE: 1841
NICE CHIP   IMAGE: 1841
NICE PICSDISC IMAGE: 1842
NICE PICSLIMB IMAGE: 1840
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Feb 16 20:04:02 GMT 2005
GONG COMMENT: Wed Feb 16 20:38:26 GMT 2005
GONGsters, Ron, Bert, and Candido arrived on site.
___end___
PSPT COMMENT: Wed Feb 16 20:41:12 GMT 2005
Stopped observations after flat field stuff finished and GONGsters
got our of here to swap narrow CaK filters.
___end___
PSPT COMMENT: Wed Feb 16 20:49:35 GMT 2005
Narrow CaK #1 filter removed, narrow CaK #2 installed at position 4600.
Restarted Daily observations.
___end___
MKIV COMMENT: Wed Feb 16 21:01:04 GMT 2005
Centered O1.
___end___
MKIV COMMENT: Wed Feb 16 22:02:31 GMT 2005
Centered O1.
___end___
MKIV COMMENT: Wed Feb 16 23:04:21 GMT 2005
Centered O1.
___end___
MKIV COMMENT: Thu Feb 17 00:02:56 GMT 2005
Centered O1.
___end___
COMMENT: Thu Feb 17 00:15:48 GMT 2005
Declination reset itself. Repointed spar and reset guider.
___end___
MKIV COMMENT: Thu Feb 17 01:08:31 GMT 2005
Centered O1.
___end___
PICS PROBLEM: Thu Feb 17 02:11:15 GMT 2005
Just saw Halle filter timeout on the way in. Image was OK so it was
in for all practical purposes before it timed out.
___end___
PICS PROBLEM: Thu Feb 17 02:12:52 GMT 2005
Next disk cycle was OK.
___end___
PICS PROBLEM: Thu Feb 17 02:15:49 GMT 2005
Halle filter timed out again. Status LEDs did not go on indicating
the filter did not get the limit switch or the limit switch is flaky.
Image was OK--filter was mostlu in.
___end___

```
**PICS PROBLEM**: Thu Feb 17 02:21:55 GMT 2005
Timed Halle in to timeout and it took the full 20 seconds before the
timeout (button turned red) indication went on.
___end___
Thu Feb 17 02:27:47 GMT 2005     CHIP      End Patrol
Thu Feb 17 02:31:06 GMT 2005     MKIV      End Patrol
Thu Feb 17 02:37:43 GMT 2005     PICS      End Patrol
**PICS PROBLEM**: Thu Feb 17 02:39:33 GMT 2005
After shutting down, I let PICS continue and swung spar over to
morning position.  The Halle filter had been timing out consistently
(albeit the images were OK)since 0215 UT.  The first disk optics
setup routine after the swing was good as well as the subsequent setups.
Appears gravity may have an effect on the Halle IN motion -- driving
uphill.
___end___
Thu Feb 17 02:51:30 GMT 2005
        MkIV


00_00.rawmk4    01_52.rawmk4    18_41.rawmk4    20_37.rawmk4    22_25.rawmk4
00_02.rawmk4    01_55.rawmk4    18_47.rawmk4    20_40.rawmk4    22_28.rawmk4
00_05.rawmk4    01_58.rawmk4    18_54.rawmk4    20_43.rawmk4    22_31.rawmk4
00_08.rawmk4    02_01.rawmk4    18_57.rawmk4    20_46.rawmk4    22_34.rawmk4
00_11.rawmk4    02_04.rawmk4    19_00.rawmk4    20_49.rawmk4    22_37.rawmk4
00_14.rawmk4    02_07.rawmk4    19_03.rawmk4    20_52.rawmk4    22_40.rawmk4
00_17.rawmk4    02_10.rawmk4    19_06.rawmk4    20_54.rawmk4    22_43.rawmk4
00_20.rawmk4    02_13.rawmk4    19_09.rawmk4    20_57.rawmk4    22_46.rawmk4
00_23.rawmk4    02_16.rawmk4    19_12.rawmk4    21_00.rawmk4    22_49.rawmk4
00_26.rawmk4    02_19.rawmk4    19_15.rawmk4    21_03.rawmk4    22_52.rawmk4
00_29.rawmk4    02_22.rawmk4    19_18.rawmk4    21_06.rawmk4    22_55.rawmk4
00_32.rawmk4    02_24.rawmk4    19_20.rawmk4    21_09.rawmk4    22_58.rawmk4
00_35.rawmk4    02_27.rawmk4    19_23.rawmk4    21_12.rawmk4    23_01.rawmk4
00_38.rawmk4    17_27.rawmk4    19_26.rawmk4    21_15.rawmk4    23_04.rawmk4
00_41.rawmk4    17_30.rawmk4    19_29.rawmk4    21_18.rawmk4    23_07.rawmk4
00_44.rawmk4    17_33.rawmk4    19_32.rawmk4    21_21.rawmk4    23_10.rawmk4
00_47.rawmk4    17_35.rawmk4    19_35.rawmk4    21_24.rawmk4    23_13.rawmk4
00_49.rawmk4    17_38.rawmk4    19_38.rawmk4    21_27.rawmk4    23_15.rawmk4
00_55.rawmk4    17_41.rawmk4    19_41.rawmk4    21_30.rawmk4    23_18.rawmk4
00_59.rawmk4    17_44.rawmk4    19_44.rawmk4    21_33.rawmk4    23_21.rawmk4
01_02.rawmk4    17_47.rawmk4    19_47.rawmk4    21_36.rawmk4    23_24.rawmk4
01_05.rawmk4    17_50.rawmk4    19_50.rawmk4    21_39.rawmk4    23_27.rawmk4
01_08.rawmk4    17_53.rawmk4    19_53.rawmk4    21_41.rawmk4    23_30.rawmk4
01_11.rawmk4    17_56.rawmk4    19_56.rawmk4    21_44.rawmk4    23_33.rawmk4
01_14.rawmk4    17_59.rawmk4    19_59.rawmk4    21_47.rawmk4    23_36.rawmk4
01_17.rawmk4    18_02.rawmk4    20_02.rawmk4    21_50.rawmk4    23_39.rawmk4
01_20.rawmk4    18_05.rawmk4    20_05.rawmk4    21_53.rawmk4    23_42.rawmk4
01_23.rawmk4    18_08.rawmk4    20_08.rawmk4    21_56.rawmk4    23_45.rawmk4
01_26.rawmk4    18_11.rawmk4    20_10.rawmk4    21_59.rawmk4    23_48.rawmk4
01_29.rawmk4    18_14.rawmk4    20_13.rawmk4    22_02.rawmk4    23_51.rawmk4
```

```
01_32.rawmk4    18_17.rawmk4    20_16.rawmk4    22_05.rawmk4    23_54.rawmk4
01_34.rawmk4    18_20.rawmk4    20_19.rawmk4    22_08.rawmk4    23_57.rawmk4
01_37.rawmk4    18_22.rawmk4    20_22.rawmk4    22_11.rawmk4    c18_38.rawmk4
01_40.rawmk4    18_25.rawmk4    20_25.rawmk4    22_14.rawmk4    c18_44.rawmk4
01_43.rawmk4    18_28.rawmk4    20_28.rawmk4    22_17.rawmk4    c18_50.rawmk4
01_46.rawmk4    18_31.rawmk4    20_31.rawmk4    22_20.rawmk4
01_49.rawmk4    18_34.rawmk4    20_34.rawmk4    22_23.rawmk4
```