```
--------------------------------------------------------------------------------
                Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
         Sun Nov  2 16:59:20 GMT 2003
Year: 03  Doy: 306
Observer: koon
Sun Nov  2 17:04:28 GMT 2003     MKIV     Start Patrol
Sun Nov  2 17:04:33 GMT 2003     CHIP     Start Patrol
Sun Nov  2 17:04:43 GMT 2003     PICS     Start Patrol
WEATHER COMMENT: Sun Nov  2 16:59:22 GMT 2003
Thin cirrostratus overcast, wind=5 mph from the South, temp=47 F.
ECHO COMMENT: Sun Nov  2 17:16:57 GMT 2003
Time OK.
PSPT COMMENT: Sun Nov  2 17:17:16 GMT 2003
Observing.
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Nov  2 17:26:22 GMT 2003
Sun Nov  2 17:33:54 GMT 2003     CHIP     End Patrol
**** EVENT COMMENT ****: Sun Nov  2 17:34:30 GMT 2003
CME in progress at PA=240.
Sun Nov  2 17:38:26 GMT 2003     CHIP     Flat
CHIP COMMENT: Sun Nov  2 17:36:38 GMT 2003
Paused to run a test for Tony.  In cmdtool window I typed:
/local/usr/local/src/ACOS/Bin/Flat.020809
CHIP COMMENT: Sun Nov  2 17:40:10 GMT 2003
Got what appear to be error messages, will send them to Tony and David.
Will restart regular obs.
Sun Nov  2 17:59:42 GMT 2003     CHIP     Start Patrol
Sun Nov  2 18:00:38 GMT 2003     CHIP     LSD
Sun Nov  2 18:02:38 GMT 2003     CHIP     End LSD
Sun Nov  2 18:02:48 GMT 2003     CHIP     BiasLSD
Sun Nov  2 18:03:43 GMT 2003     CHIP     End BiasLSD
Sun Nov  2 18:03:58 GMT 2003     CHIP     Bias
Sun Nov  2 18:04:34 GMT 2003     PICS     Flat
Sun Nov  2 18:04:58 GMT 2003     CHIP     End Bias
Sun Nov  2 18:07:05 GMT 2003     PICS     End Flat
MKIV COMMENT: Sun Nov  2 18:16:01 GMT 2003
Centered occulting.
MKIV COMMENT: Sun Nov  2 19:51:01 GMT 2003
Centered occulting.
Sun Nov  2 19:52:11 GMT 2003     MKIV     Start Cal
Sun Nov  2 20:10:53 GMT 2003     MKIV     End Cal
Sun Nov  2 20:11:19 GMT 2003     MKIV     Start Patrol
MKIV COMMENT: Sun Nov  2 22:35:25 GMT 2003
Centered occulting.
Sun Nov  2 22:46:25 GMT 2003     CHIP     End Patrol
Sun Nov  2 22:46:58 GMT 2003     CHIP     Flat
Sun Nov  2 22:50:45 GMT 2003     CHIP     Flat
CHIP COMMENT: Sun Nov  2 22:47:35 GMT 2003
```

David fixed the Flat test program, I paused Patrol and ran the test by typing
Flat.020809 into the cmdtool window. I can get it to run from my account
by typing the program name without the /local/usr... typed in also because the
Bin directory is in my path setup, it should work for all us observers if we
still use the original .cshrc setup script. The program still stalls with
Program:0,-500 shown in the Status window, and the last screen message in
the cmdtool window was:
Flat mic move : -1000 0
Will notify David after restarting Patrol.
Sun Nov 2 23:05:07 GMT 2003   CHIP   Flat
Sun Nov 2 23:17:53 GMT 2003   CHIP   Start Patrol
CHIP PROBLEM: Sun Nov 2 23:21:37 GMT 2003
Image wasn't centered X was low at 2500, Y direction was high at 14900.
I repointed manually, using mike controller.
MKIV COMMENT: Sun Nov 2 23:52:06 GMT 2003
Centered occulting.
MKIV COMMENT: Mon Nov 3 00:02:25 GMT 2003
The N-S (Y axis) meter for the O1 occulting wasn't centered so I checked in
the dome and found the N-S motor pegged, I adjusted the spar guider screws to
better center the O1 occulting.
CHIP COMMENT: Mon Nov 3 00:57:34 GMT 2003
Pausing to try the latest version of Flat.020809
Mon Nov 3 00:57:51 GMT 2003   CHIP   End Patrol
Mon Nov 3 01:28:31 GMT 2003   CHIP   Flat
Mon Nov 3 01:31:15 GMT 2003   CHIP   End Flat
MKIV COMMENT: Mon Nov 3 01:32:03 GMT 2003
Centered occulting.
**** EVENT COMMENT ****: Mon Nov 3 01:32:12 GMT 2003
CME in progress at PA=300 since about 0100 UT.
CHIP COMMENT: Mon Nov 3 01:34:53 GMT 2003
It looks like this Flat test worked well, the last message in the cmdtool
window is:
End Flat
Mon Nov 3 01:36:10 GMT 2003   CHIP   Start Patrol
Mon Nov 3 02:20:31 GMT 2003   CHIP   End Patrol
Mon Nov 3 02:23:36 GMT 2003   PICS   End Patrol
Mon Nov 3 02:28:24 GMT 2003   MKIV   End Patrol
Mon Nov 3 02:35:04 GMT 2003
        MkIV

00_00.rawmk4   01_52.rawmk4   18_28.rawmk4   20_31.rawmk4   22_23.rawmk4
00_03.rawmk4   01_55.rawmk4   18_31.rawmk4   20_34.rawmk4   22_26.rawmk4
00_06.rawmk4   01_58.rawmk4   18_34.rawmk4   20_37.rawmk4   22_29.rawmk4
00_09.rawmk4   02_01.rawmk4   18_37.rawmk4   20_40.rawmk4   22_32.rawmk4
00_12.rawmk4   02_04.rawmk4   18_40.rawmk4   20_43.rawmk4   22_35.rawmk4
00_15.rawmk4   02_07.rawmk4   18_43.rawmk4   20_46.rawmk4   22_38.rawmk4
00_18.rawmk4   02_10.rawmk4   18_46.rawmk4   20_49.rawmk4   22_41.rawmk4
00_21.rawmk4   02_13.rawmk4   18_49.rawmk4   20_52.rawmk4   22_44.rawmk4

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00_24.rawmk4    02_16.rawmk4    18_52.rawmk4    20_55.rawmk4    22_47.rawmk4
00_27.rawmk4    02_19.rawmk4    18_55.rawmk4    20_58.rawmk4    22_50.rawmk4
00_30.rawmk4    02_22.rawmk4    18_58.rawmk4    21_01.rawmk4    22_53.rawmk4
00_33.rawmk4    02_25.rawmk4    19_01.rawmk4    21_04.rawmk4    22_56.rawmk4
00_36.rawmk4    17_04.rawmk4    19_04.rawmk4    21_07.rawmk4    22_59.rawmk4
00_39.rawmk4    17_07.rawmk4    19_07.rawmk4    21_10.rawmk4    23_01.rawmk4
00_42.rawmk4    17_10.rawmk4    19_09.rawmk4    21_13.rawmk4    23_04.rawmk4
00_45.rawmk4    17_13.rawmk4    19_12.rawmk4    21_16.rawmk4    23_07.rawmk4
00_47.rawmk4    17_16.rawmk4    19_15.rawmk4    21_19.rawmk4    23_10.rawmk4
00_50.rawmk4    17_19.rawmk4    19_18.rawmk4    21_21.rawmk4    23_13.rawmk4
00_53.rawmk4    17_22.rawmk4    19_21.rawmk4    21_24.rawmk4    23_16.rawmk4
00_56.rawmk4    17_25.rawmk4    19_24.rawmk4    21_27.rawmk4    23_19.rawmk4
00_59.rawmk4    17_28.rawmk4    19_27.rawmk4    21_30.rawmk4    23_22.rawmk4
01_02.rawmk4    17_31.rawmk4    19_30.rawmk4    21_33.rawmk4    23_25.rawmk4
01_05.rawmk4    17_34.rawmk4    19_33.rawmk4    21_36.rawmk4    23_28.rawmk4
01_08.rawmk4    17_36.rawmk4    19_36.rawmk4    21_39.rawmk4    23_31.rawmk4
01_11.rawmk4    17_39.rawmk4    19_39.rawmk4    21_42.rawmk4    23_34.rawmk4
01_14.rawmk4    17_42.rawmk4    19_42.rawmk4    21_45.rawmk4    23_37.rawmk4
01_17.rawmk4    17_45.rawmk4    19_45.rawmk4    21_48.rawmk4    23_40.rawmk4
01_20.rawmk4    17_48.rawmk4    19_48.rawmk4    21_51.rawmk4    23_43.rawmk4
01_23.rawmk4    17_51.rawmk4    19_55.rawmk4    21_54.rawmk4    23_46.rawmk4
01_26.rawmk4    17_54.rawmk4    20_01.rawmk4    21_57.rawmk4    23_49.rawmk4
01_29.rawmk4    17_57.rawmk4    20_07.rawmk4    22_00.rawmk4    23_52.rawmk4
01_32.rawmk4    18_00.rawmk4    20_11.rawmk4    22_03.rawmk4    23_54.rawmk4
01_35.rawmk4    18_03.rawmk4    20_14.rawmk4    22_05.rawmk4    23_57.rawmk4
01_38.rawmk4    18_09.rawmk4    20_17.rawmk4    22_08.rawmk4    c19_52.rawmk4
01_41.rawmk4    18_13.rawmk4    20_20.rawmk4    22_11.rawmk4    c19_58.rawmk4
01_43.rawmk4    18_19.rawmk4    20_23.rawmk4    22_14.rawmk4    c20_04.rawmk4
01_46.rawmk4    18_22.rawmk4    20_26.rawmk4    22_17.rawmk4
01_49.rawmk4    18_25.rawmk4    20_29.rawmk4    22_20.rawmk4
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