```
Mauna Loa Solar Observatory Observer's Log
 ______
       Wed Dec 1 16:57:52 GMT 2004
Year: 04 Doy: 336
Observer: yasukawa
WEATHER COMMENT: Wed Dec 1 17:00:09 GMT 2004
In light mist blowing off high cloud bank to east and south,
scattered altostratus clouds, E wind 10 mph, temp 52 F.
end
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Dec 1 17:17:32 GMT 2004
WEATHER COMMENT: Wed Dec 1 18:36:54 GMT 2004
Still in light mist and drizzle. Somes still closed.
end
**PSPT PROBLEM**: Wed Dec 1 21:21:58 GMT 2004
Removed camera and inspected CCD. No dust was apparent but CCD was dusted off
in any case with a few puffs of dry nitrogen at around 10 psi.
end
WEATHER COMMENT: Wed Dec 1 21:23:03 GMT 2004
Cloud bank still hanging to east and occasional misting is still occurring.
end
WEATHER COMMENT: Wed Dec 1 21:46:59 GMT 2004
Cloud bank has receded enough that risk of misting is low. Opened domes.
end
PSPT COMMENT: Wed Dec 1 21:47:43 GMT 2004
Starting up.
end
Wed Dec 1 21:48:18 GMT 2004 CHIP
                                      Start Patrol
MKIV COMMENT: Wed Dec 1 21:48:21 GMT 2004
Centering 01.
 end
Wed Dec 1 21:48:28 GMT 2004
                             PICS
                                      Start Patrol
Wed Dec 1 21:48:36 GMT 2004
                             MKIV
                                     Start Patrol
WEATHER COMMENT: Wed Dec 1 21:49:05 GMT 2004
Scattered cirrus and altostratus still around.
 end
WEATHER COMMENT: Wed Dec 1 21:51:14 GMT 2004
gusty winds buffeting spar.
end
Wed Dec 1 21:54:49 GMT 2004
                             MKIV
                                     End Patrol
                             MKIV
Wed Dec 1 21:54:56 GMT 2004
                                     Start Cal
PSPT COMMENT: Wed Dec 1 21:57:46 GMT 2004
Observing.
end
Wed Dec 1 22:16:14 GMT 2004
                             MKIV
                                     End Cal
WEATHER COMMENT: Wed Dec 1 22:16:21 GMT 2004
sucker hole! Clouded back up just before MK4 cal started.
Cloud bank just now drifted back over observatory, closing domes.
```

```
end
PSPT COMMENT: Wed Dec 1 22:17:02 GMT 2004
Idling PSPT
end
Wed Dec 1 22:17:22 GMT 2004
                                   End Patrol
                           CHIP
Wed Dec 1 22:17:25 GMT 2004
                           PICS
                                    End Patrol
            IMAGE: 2148
NICE MK4
            IMAGE: 2148
NICE CHIP
NICE PICSLIMB IMAGE: 2152
NICE PICSDISC IMAGE: 2149
**MKIV PROBLEM**: Wed Dec 1 22:25:29 GMT 2004
xanims not appearing on nahenahe due to truncated file problem.
 end
WEATHER COMMENT: Thu Dec 2 00:07:35 GMT 2004
Ground clouds receded again. Broken cirrus still around. Opened domes.
 end
PSPT COMMENT: Thu Dec 2 00:08:21 GMT 2004
Restart observations.
  end
MKIV COMMENT: Thu Dec 2 00:09:35 GMT 2004
Centered 01.
 end
Thu Dec 2 00:09:47 GMT 2004 MKIV Start Patrol
Thu Dec 2 00:09:40 GMT 2004 CHIP Start Patrol
Thu Dec 2 00:09:50 GMT 2004 PICS Start Patrol
Thu Dec 2 00:16:04 GMT 2004 MKIV End Patrol
**MKIV PROBLEM**: Thu Dec 2 00:15:40 GMT 2004
Stopping mk4 in cirrus patch to reboot nahenahe to see if I can get
past the truncated file problem.
end
Thu Dec 2 00:16:49 GMT 2004
       MkIV
______
           Mauna Loa Solar Observatory Observer's Log
       Thu Dec 2 00:25:51 GMT 2004
Year: 04 Doy: 337
Observer: yasukawa
**MKIV PROBLEM**: Thu Dec 2 00:26:09 GMT 2004
Nahenahe rebooted. In cirrostratus but will take data to see if
truncation problem still exists.
end
Thu Dec 2 00:27:26 GMT 2004
                           MKTV
                                   Start Patrol
**MKIV PROBLEM**: Thu Dec 2 00:32:14 GMT 2004
Still getting truncated file message on the console after XAnim messages
```

```
indicate XAnim is Done.
end
Thu Dec 2 00:39:31 GMT 2004
                              MKIV
                                      End Patrol
Thu Dec 2 00:54:22 GMT 2004
                              MKIV
                                      Start Patrol
WEATHER COMMENT: Thu Dec 2 00:57:14 GMT 2004
Cleared again.
end
Thu Dec 2 01:00:32 GMT 2004
                                      End Patrol
                              MKIV
Thu Dec 2 01:00:39 GMT 2004
                                      Start Cal
                              MKIV
**MLSO PROBLEM**: Thu Dec 2 01:05:25 GMT 2004
Just had a brief power glitch. Heard UPS kick in as lights blinked.
end
Thu Dec 2 01:19:23 GMT 2004
                              MKIV
                                      End Cal
Thu Dec 2 01:19:29 GMT 2004
                              MKIV
                                      Start Patrol
WEATHER COMMENT: Thu Dec 2 01:25:42 GMT 2004
In extensive cirrostratus, idling mk4.
end
**CHIP PROBLEM**: Thu Dec 2 01:27:13 GMT 2004
CHIP stalled, Alice's funny pigc appeared on hoike.
Troubleshooting problem.
end
Thu Dec 2 01:31:29 GMT 2004
                              MKIV
                                      End Patrol
Thu Dec 2 01:33:24 GMT 2004
                              CHIP
                                       Start Patrol
**CHIP PROBLEM**: Thu Dec 2 01:33:30 GMT 2004
Canceling WaitOpti moved program along by only a single step.
Killed program and restarted.
end
Thu Dec 2 01:58:59 GMT 2004
                                       End Patrol
                               CHIP
Thu Dec 2 01:59:25 GMT 2004
                              PICS
                                       End Patrol
WEATHER COMMENT: Thu Dec 2 01:59:05 GMT 2004
CHIP and PICS images very washed out due to thickness of clouds,
Spar barely guiding. Stopping for the day.
end
Thu Dec 2 02:10:51 GMT 2004
       MkIV
00 09.rawmk4
             00 36.rawmk4
                             01 16.rawmk4
                                           21 48.rawmk4
                                                         c01 12.rawmk4
                                           21_51.rawmk4 c21_54.rawmk4
00_12.rawmk4
             00_54.rawmk4
                             01 19.rawmk4
00 27.rawmk4
             00 57.rawmk4
                             01 22.rawmk4
                                           22 12.rawmk4
                                                         c22 01.rawmk4
00 30.rawmk4 01 03.rawmk4
                             01 25.rawmk4
                                           c01 00.rawmk4
```

01_28.rawmk4

c01 06.rawmk4

00_33.rawmk4

01_09.rawmk4