```
Mauna Loa Solar Observatory Observer's Log
 -----
       Sat Oct 21 17:16:15 GMT 2006
Year: 06 Doy: 294
Observer: stueben
**MLSO PROBLEM**: Sat Oct 21 17:28:37 GMT 2006
Power is OK this morning. Have been working on bringing all systems back up.
Starting up instruments.
 end
COMMENT: Sat Oct 21 17:32:58 GMT 2006
Coolant circulator in upper dome is back on but will take a while to stabilize
temperature.
end
WEATHER COMMENT: Sat Oct 21 17:34:13 GMT 2006
Broken altostratus, wind calm, temp 44F.
end
Sat Oct 21 17:35:38 GMT 2006
                              CHIP
                                       Start Patrol
Sat Oct 21 17:35:45 GMT 2006
                              MKIV
                                      Start Patrol
Sat Oct 21 17:35:56 GMT 2006
                                       Start Patrol
                              PICS
Sat Oct 21 18:01:14 GMT 2006
                              PICS
                                       Flat
Sat Oct 21 18:02:55 GMT 2006
                              CHIP
                                       LSD
Sat Oct 21 18:03:22 GMT 2006
                              PICS
                                       End Flat
Sat Oct 21 18:03:28 GMT 2006
                              PICS
                                       ReStart Patrol
Sat Oct 21 18:04:50 GMT 2006
                              CHIP
                                       End LSD
Sat Oct 21 18:04:58 GMT 2006
                              CHIP
                                       BiasLSD
Sat Oct 21 18:05:42 GMT 2006
                                       End BiasLSD
                              CHIP
Sat Oct 21 18:05:49 GMT 2006
                              CHIP
                                       Bias
Sat Oct 21 18:06:28 GMT 2006
                              CHIP
                                       End Bias
Sat Oct 21 18:06:34 GMT 2006
                              CHIP
                                       ReStart Patrol
**MLSO PROBLEM**: Sat Oct 21 18:25:48 GMT 2006
Oopu doesn't come up properly. Its gives the message "Unable to repair the /
file system. Instruments are running except pspt - the sparc can't talk to the
pc. The GONG phone keeps calling with the message that the electricity is off.
Going down to the shelter shortly to investigate.
 end
GONG COMMENT: Sat Oct 21 19:46:57 GMT 2006
Gong seems OK. Sensaphone needed power outage acknowledged to stop calling
every 5 min.
end
SBM COMMENT: Sat Oct 21 19:52:02 GMT 2006
Observing.
end
PSPT COMMENT: Sat Oct 21 19:52:27 GMT 2006
Observing. Rebooted pc and sparc to get going again.
end
Sat Oct 21 19:55:31 GMT 2006
                              MKIV
                                      End Patrol
Sat Oct 21 19:55:34 GMT 2006
                              MKIV
                                      Start Cal
```

```
Sat Oct 21 20:13:57 GMT 2006
                                MKIV
                                        End Cal
Sat Oct 21 20:16:44 GMT 2006
                                CHIP
                                         End Patrol
Sat Oct 21 20:17:03 GMT 2006
                                PICS
                                         End Patrol
Sat Oct 21 20:20:47 GMT 2006
                                        End Patrol
                                MKIV
WEATHER COMMENT: Sat Oct 21 20:25:30 GMT 2006
In orographic clouds, instruments idled.
  end
**MLSO PROBLEM**: Sat Oct 21 20:28:33 GMT 2006
Oopu is now running. Bunny called from home and talked me through getting the
file system repaired. HELCO also called earlier to tell us that they had found
and fixed the power problem.
  end
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sat Oct 21 22:14:27 GMT 2006
WEATHER COMMENT: Sat Oct 21 23:14:21 GMT 2006
Blowing fog, domes closed.
end
Sun Oct 22 00:08:33 GMT 2006
        MkIV
17_35.rawmk4
               18_10.rawmk4
                              18_45.rawmk4
                                             19_20.rawmk4
                                                            19_58.rawmk4
17_38.rawmk4
              18_13.rawmk4
                              18_48.rawmk4
                                             19_23.rawmk4
                                                            20_04.rawmk4
                              18 51.rawmk4
                                             19 26.rawmk4
                                                            20 10.rawmk4
17 41.rawmk4
              18 16.rawmk4
17_44.rawmk4
               18_19.rawmk4
                              18_54.rawmk4
                                             19_29.rawmk4
                                                            20_14.rawmk4
                                             19 32.rawmk4
17 47.rawmk4
              18 22.rawmk4
                              18 57.rawmk4
                                                            20 17.rawmk4
17 50.rawmk4
              18 25.rawmk4
                              19 00.rawmk4
                                             19 35.rawmk4
                                                            c19 55.rawmk4
17 53.rawmk4
              18_28.rawmk4
                              19 03.rawmk4
                                             19 37.rawmk4
                                                            c20 01.rawmk4
17 56.rawmk4
              18 31.rawmk4
                              19 05.rawmk4
                                             19 40.rawmk4
                                                            c20 07.rawmk4
```

19 08.rawmk4

19_11.rawmk4

19_14.rawmk4

19_17.rawmk4

19 43.rawmk4

19_46.rawmk4

19 49.rawmk4

19 52.rawmk4

17 59.rawmk4

18_02.rawmk4

18_04.rawmk4

18_07.rawmk4

18 34.rawmk4

18_36.rawmk4

18_39.rawmk4

18_42.rawmk4