```
--------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
          Tue Aug 24 17:12:23 GMT 2010
Year: 10  Doy: 236
Observer: koon
WEATHER COMMENT: Tue Aug 24 17:12:25 GMT 2010
Clear sky, wind=5mph from the East, temp=50F.
___end___
Tue Aug 24 17:33:15 GMT 2010    MKIV    Start Patrol
NOTE BY DARRYL: Tue Aug 24 17:34:56 GMT 2010
Road was blocked at 8 mile marker, I told them I worked up here and they let me through.
___end___
Tue Aug 24 17:35:53 GMT 2010 H-ALPHA Start Patrol
Tue Aug 24 17:35:57 GMT 2010    CHIP     Start Patrol
CoMP COMMENT BY DARRYL: Tue Aug 24 17:42:17 GMT 2010
The Rockwell camera temperature got above -170 C and was automatically
shut down.  After filling with LN2 I shutdown the CoMP program and the
Camera Temperature program and started them up again, then I saw that the
camera temperature was below -170 (on the Camera Temp window on PC) so
I turned on the power to Pulizzi channel 3 and continued like normal.
___end___
Tue Aug 24 17:48:49 GMT 2010: PSPT Start Patrol
NOTE BY DARRYL: Tue Aug 24 17:52:00 GMT 2010
HawTel said that their Fiber Optic cables and poles were damaged/destroyed
along the normal Saddle Road route in the range fire area and that it will
take a lot of repairs to get that back to normal.  They re-routed our
lines through Kamuela and we had service back on the same day of the fire,
that was Sunday 8/22/10.  Currently it is cloudy/smoky in the area of the
fire and smoky in the Saddle but much less than it was on Sunday.
___end___
Tue Aug 24 18:00:41 GMT 2010    CHIP       LSD
Tue Aug 24 18:02:22 GMT 2010    CHIP       End LSD
Tue Aug 24 18:02:30 GMT 2010    CHIP       BiasLSD
Tue Aug 24 18:03:21 GMT 2010    CHIP       End BiasLSD
Tue Aug 24 18:03:29 GMT 2010    CHIP       Bias
Tue Aug 24 18:04:13 GMT 2010    CHIP       End Bias
Tue Aug 24 18:04:20 GMT 2010    CHIP       ReStart Patrol
Tue Aug 24 18:04:16 GMT 2010 COMP Start Patrol
CoMP COMMENT BY DARRYL: Tue Aug 24 18:04:36 GMT 2010
The first 2 attempts at Focus were not good, first one was a flat horizontal
line through the range, the 2nd rose upward and had the peak off the
graph to the right, the 3rd worked and looked normal.  During the first 2
attempts the images looked grainy and the Camera Temperature was about -180,
during the 3rd attempt the image looked much less grainy and the temp was
seemingly stabilzed around -182.7 C
___end___
**PSPT PROBLEM COMMENT BY DARRYL**: Tue Aug 24 19:09:59 GMT 2010
```

Crashed restarted.
___end___
GONG COMMENT BY DARRYL: Tue Aug 24 19:10:14 GMT 2010
Changed the tapes.
___end___
Tue Aug 24 19:10:39 GMT 2010: PSPT Start Patrol
Tue Aug 24 19:26:38 GMT 2010 COMP End Patrol
Tue Aug 24 19:45:53 GMT 2010 COMP Start Patrol
CoMP PROBLEM COMMENT BY DARRYL: Tue Aug 24 19:51:29 GMT 2010
I noticed that the opal was in a lot, the images were bright too, I thought
it might be part of a recipe so I let it go and checked now and then. The
opal stayed in place even though the GUI said it was out. I tried various
ways to move the opal out but the way that worked was to stop the program
and exit the Comp.vi program, then start it up again and run the program.
I also checked the cables and drive mechanisms for the opal and they looked
OK. It is functioning correctly now.
___end___
GENERAL PROBLEM COMMENT BY DARRYL: Tue Aug 24 20:02:23 GMT 2010
Sometime in the past the ground wire for the elevator battery cord overheated aand melted through the insulation, I cut th
e cord so it can't be plugged in.
I'll get a trickle charger for the battery.
___end___
Tue Aug 24 20:50:03 GMT 2010   MKIV   End Patrol
Tue Aug 24 21:09:38 GMT 2010   MKIV   End Cal
Tue Aug 24 21:09:43 GMT 2010   MKIV   Start Patrol
Tue Aug 24 21:14:49 GMT 2010 COMP End Patrol
Tue Aug 24 21:15:31 GMT 2010 COMP Start Patrol
CoMP COMMENT BY DARRYL: Tue Aug 24 21:47:17 GMT 2010
Deleted data folders 20100801 through 20100805 from AlreadyCopied folder.
___end___
Tue Aug 24 21:49:22 GMT 2010 COMP End Patrol
Tue Aug 24 21:51:15 GMT 2010 COMP Start Patrol
Tue Aug 24 23:01:44 GMT 2010   CHIP   LSD
Tue Aug 24 23:03:13 GMT 2010   CHIP   End LSD
Tue Aug 24 23:03:21 GMT 2010   CHIP   BiasLSD
Tue Aug 24 23:03:58 GMT 2010   CHIP   End BiasLSD
Tue Aug 24 23:04:06 GMT 2010   CHIP   Bias
Tue Aug 24 23:04:42 GMT 2010   CHIP   End Bias
Tue Aug 24 23:04:50 GMT 2010   CHIP   ReStart Patrol
Tue Aug 24 23:18:40 GMT 2010 COMP End Patrol
Tue Aug 24 23:19:22 GMT 2010 COMP Start Patrol
NOTE BY DARRYL: Tue Aug 24 23:22:07 GMT 2010
The ADR worked throughout solar noon today.
___end___
Tue Aug 24 23:39:36 GMT 2010   CHIP   End Patrol
Tue Aug 24 23:40:28 GMT 2010Tue Aug 24 23:40:08 GMT 2010 COMP End Patrol
: PSPT Abort Patrol
Tue Aug 24 23:42:24 GMT 2010 H-ALPHA End Patrol

```
Tue Aug 24 23:43:53 GMT 2010      MKIV      End Patrol
Wed Aug 25 00:26:12 GMT 2010
        MkIV


17_33.rawmk4     18_51.rawmk4     20_04.rawmk4     21_27.rawmk4     22_37.rawmk4
17_36.rawmk4     18_54.rawmk4     20_08.rawmk4     21_30.rawmk4     22_40.rawmk4
17_39.rawmk4     18_57.rawmk4     20_11.rawmk4     21_33.rawmk4     22_43.rawmk4
17_42.rawmk4     19_00.rawmk4     20_14.rawmk4     21_36.rawmk4     22_46.rawmk4
17_45.rawmk4     19_03.rawmk4     20_17.rawmk4     21_39.rawmk4     22_49.rawmk4
17_48.rawmk4     19_06.rawmk4     20_20.rawmk4     21_42.rawmk4     22_52.rawmk4
17_51.rawmk4     19_09.rawmk4     20_23.rawmk4     21_44.rawmk4     22_55.rawmk4
17_53.rawmk4     19_12.rawmk4     20_26.rawmk4     21_47.rawmk4     22_58.rawmk4
17_56.rawmk4     19_14.rawmk4     20_29.rawmk4     21_50.rawmk4     23_01.rawmk4
17_59.rawmk4     19_17.rawmk4     20_32.rawmk4     21_53.rawmk4     23_04.rawmk4
18_02.rawmk4     19_20.rawmk4     20_35.rawmk4     21_56.rawmk4     23_07.rawmk4
18_05.rawmk4     19_23.rawmk4     20_38.rawmk4     21_59.rawmk4     23_10.rawmk4
18_08.rawmk4     19_26.rawmk4     20_40.rawmk4     22_02.rawmk4     23_13.rawmk4
18_14.rawmk4     19_29.rawmk4     20_43.rawmk4     22_05.rawmk4     23_16.rawmk4
18_18.rawmk4     19_32.rawmk4     20_46.rawmk4     22_08.rawmk4     23_19.rawmk4
18_21.rawmk4     19_35.rawmk4     20_54.rawmk4     22_11.rawmk4     23_22.rawmk4
18_24.rawmk4     19_38.rawmk4     21_00.rawmk4     22_14.rawmk4     23_25.rawmk4
18_27.rawmk4     19_41.rawmk4     21_06.rawmk4     22_17.rawmk4     23_30.rawmk4
18_30.rawmk4     19_44.rawmk4     21_09.rawmk4     22_20.rawmk4     23_34.rawmk4
18_33.rawmk4     19_47.rawmk4     21_12.rawmk4     22_23.rawmk4     23_37.rawmk4
18_35.rawmk4     19_50.rawmk4     21_15.rawmk4     22_26.rawmk4     23_40.rawmk4
18_38.rawmk4     19_53.rawmk4     21_18.rawmk4     22_29.rawmk4     c20_50.rawmk4
18_44.rawmk4     19_56.rawmk4     21_21.rawmk4     22_32.rawmk4     c20_57.rawmk4
18_48.rawmk4     19_59.rawmk4     21_24.rawmk4     22_35.rawmk4     c21_03.rawmk4
```