```
-------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
          Sat Jun 20 16:35:57 GMT 1998
Year: 98  Doy: 171
Observer: koon
Sat Jun 20 16:37:22 GMT 1998     CHIP      Startup--Initializing new tape
Sat Jun 20 16:43:48 GMT 1998     MKIII     Start Patrol
Sat Jun 20 16:43:53 GMT 1998     PICS      Start Patrol
Sat Jun 20 16:43:53 GMT 1998     PICS      Start Patrol
Sat Jun 20 17:01:23 GMT 1998     PICS      Flat
Sat Jun 20 17:02:55 GMT 1998     PICS      End Flat
Sat Jun 20 17:03:30 GMT 1998     CHIP      Bias
Sat Jun 20 17:04:55 GMT 1998     CHIP      End Bias
Sat Jun 20 17:05:09 GMT 1998     CHIP      Water
Sat Jun 20 17:06:05 GMT 1998     CHIP      End Water
Sat Jun 20 18:01:31 GMT 1998     CHIP      Bias
Sat Jun 20 18:02:28 GMT 1998     PICS      Flat
Sat Jun 20 18:02:57 GMT 1998     CHIP      End Bias
Sat Jun 20 18:03:11 GMT 1998     CHIP      Water
Sat Jun 20 18:03:56 GMT 1998     PICS      End Flat
Sat Jun 20 18:04:10 GMT 1998     CHIP      End Water
**PSPT PROBLEM**: Sat Jun 20 18:36:35 GMT 1998
There is a problem with the changes to the image backup tape routine.
I'm trying to figure it out before I start up the observations.  it
**LOW-L PROBLEM**: Sat Jun 20 18:46:13 GMT 1998
L00524 didn't pop out of drive #0 as it should have, but the counter got
reset and data were still going to this tape instead of going to L00525
in Test drive #1 as the data should have been routed.  I typed in a "q"
at the "sync" part of the cycle and the screen went black with no
further messages, it should have asked me if I wanted to save the data
and rewind the tape.  Removed L00524 from drive #0, moved L00525 from
Test Drive #1 to Drive #0, installed L00526 in Test Drive #1, cycled
the PC power.
Sat Jun 20 19:00:24 GMT 1998     PICS      Flat
Sat Jun 20 19:01:50 GMT 1998     PICS      End Flat
Sat Jun 20 19:02:37 GMT 1998     CHIP      Bias
Sat Jun 20 19:04:08 GMT 1998     CHIP      End Bias
Sat Jun 20 19:04:18 GMT 1998     CHIP      Water
Sat Jun 20 19:05:09 GMT 1998     CHIP      End Water
Sat Jun 20 20:00:22 GMT 1998     PICS      Flat
Sat Jun 20 20:01:50 GMT 1998     PICS      End Flat
Sat Jun 20 20:03:32 GMT 1998     CHIP      Gain
Sat Jun 20 20:09:57 GMT 1998     CHIP      End Gain
Sat Jun 20 20:10:10 GMT 1998     CHIP      Bias
Sat Jun 20 20:11:08 GMT 1998     CHIP      End Bias
Sat Jun 20 20:11:18 GMT 1998     CHIP      Water
Sat Jun 20 20:11:59 GMT 1998     CHIP      End Water
```

```
COMMENT: Sat Jun 20 20:16:24 GMT 1998
Extended the dome slot.
**PSPT PROBLEM**: Sat Jun 20 20:26:26 GMT 1998
I couldn't tell for sure what was wrong with the new lines of code in
the backup routine, so I changed the tar output list name back to
tar.log, tomorrow I'll look for that file to see if a backup really
happened.  There may be a syntax error in one of the two new/modified
lines dealing with the naming of the tar list file.  I also added a few
lines to the new section that asks whether we want to move the newest
images to the archive directory, to give more details about choices and
which choice to use.
   I also started the observations with this instrument.
Sat Jun 20 21:00:23 GMT 1998     PICS     Flat
Sat Jun 20 21:01:31 GMT 1998     CHIP     Bias
Sat Jun 20 21:01:50 GMT 1998     PICS     End Flat
Sat Jun 20 21:03:00 GMT 1998     CHIP     End Bias
Sat Jun 20 21:03:15 GMT 1998     CHIP     Water
Sat Jun 20 21:04:07 GMT 1998     CHIP     End Water
Sat Jun 20 22:01:23 GMT 1998     PICS     Flat
Sat Jun 20 22:02:30 GMT 1998     CHIP     Bias
Sat Jun 20 22:02:50 GMT 1998     PICS     End Flat
Sat Jun 20 22:03:59 GMT 1998     CHIP     End Bias
Sat Jun 20 22:04:18 GMT 1998     CHIP     Water
Sat Jun 20 22:05:08 GMT 1998     CHIP     End Water
Sat Jun 20 22:20:20 GMT 1998     PICS     End Patrol
Sat Jun 20 22:20:39 GMT 1998     CHIP     CHIP End Patrol
Sat Jun 20 22:42:22 GMT 1998     CHIP     ending tape
COMMENT: Sat Jun 20 22:45:35 GMT 1998


TAPES:
******
PICS: P01223
CHIP: C00617
LOWL: L00524 and L00525 in drive #0


Sat Jun 20 22:46:38 GMT 1998
        MkIII


16_43.rawmk3    17_54.rawmk3    19_13.rawmk3    20_24.rawmk3    21_34.rawmk3
16_46.rawmk3    17_57.rawmk3    19_16.rawmk3    20_27.rawmk3    21_37.rawmk3
16_49.rawmk3    17_59.rawmk3    19_19.rawmk3    20_29.rawmk3    21_40.rawmk3
16_52.rawmk3    18_02.rawmk3    19_22.rawmk3    20_32.rawmk3    21_43.rawmk3
16_55.rawmk3    18_05.rawmk3    19_25.rawmk3    20_35.rawmk3    21_45.rawmk3
16_58.rawmk3    18_08.rawmk3    19_28.rawmk3    20_38.rawmk3    21_48.rawmk3
17_01.rawmk3    18_11.rawmk3    19_31.rawmk3    20_41.rawmk3    21_51.rawmk3
17_04.rawmk3    18_14.rawmk3    19_34.rawmk3    20_44.rawmk3    21_54.rawmk3
17_07.rawmk3    18_17.rawmk3    19_37.rawmk3    20_47.rawmk3    21_57.rawmk3
17_10.rawmk3    18_20.rawmk3    19_40.rawmk3    20_50.rawmk3    22_00.rawmk3
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17_13.rawmk3    18_23.rawmk3    19_43.rawmk3    20_53.rawmk3    22_03.rawmk3
17_16.rawmk3    18_26.rawmk3    19_46.rawmk3    20_56.rawmk3    22_06.rawmk3
17_19.rawmk3    18_29.rawmk3    19_49.rawmk3    20_59.rawmk3    22_09.rawmk3
17_21.rawmk3    18_32.rawmk3    19_51.rawmk3    21_02.rawmk3    22_12.rawmk3
17_24.rawmk3    18_35.rawmk3    19_54.rawmk3    21_05.rawmk3    22_15.rawmk3
17_27.rawmk3    18_37.rawmk3    19_57.rawmk3    21_07.rawmk3    22_18.rawmk3
17_30.rawmk3    18_43.rawmk3    20_00.rawmk3    21_10.rawmk3    22_20.rawmk3
17_33.rawmk3    18_50.rawmk3    20_03.rawmk3    21_13.rawmk3    c18_40.rawmk3
17_36.rawmk3    18_56.rawmk3    20_06.rawmk3    21_16.rawmk3    c18_47.rawmk3
17_39.rawmk3    18_59.rawmk3    20_09.rawmk3    21_19.rawmk3    c18_53.rawmk3
17_42.rawmk3    19_02.rawmk3    20_12.rawmk3    21_22.rawmk3
17_45.rawmk3    19_05.rawmk3    20_15.rawmk3    21_25.rawmk3
17_48.rawmk3    19_08.rawmk3    20_18.rawmk3    21_28.rawmk3
17_51.rawmk3    19_11.rawmk3    20_21.rawmk3    21_31.rawmk3
```