```
--------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
         Sun Nov 24 16:58:11 GMT 2002
Year: 02  Doy: 328
Observer: koon
Sun Nov 24 17:04:01 GMT 2002    CHIP      Start Patrol
Sun Nov 24 17:04:10 GMT 2002    PICS      Start Patrol
WEATHER COMMENT: Sun Nov 24 16:58:13 GMT 2002
Scattered cirrus, wind=5 mph from the SE, temp=40 F.
COMMENT: Sun Nov 24 17:08:20 GMT 2002
Spar isn't tracking well.
A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Nov 24 17:10:02 GMT 2002
Sun Nov 24 18:01:46 GMT 2002    CHIP      LSD
Sun Nov 24 18:03:20 GMT 2002    CHIP      End LSD
Sun Nov 24 18:03:29 GMT 2002    CHIP      BiasLSD
Sun Nov 24 18:04:08 GMT 2002    CHIP      End BiasLSD
Sun Nov 24 18:04:15 GMT 2002    CHIP      Bias
Sun Nov 24 18:04:36 GMT 2002    PICS      Flat
Sun Nov 24 18:04:55 GMT 2002    CHIP      End Bias
Sun Nov 24 18:06:39 GMT 2002    MKIV      Start Patrol
Sun Nov 24 18:06:55 GMT 2002    PICS      End Flat
MKIV COMMENT: Sun Nov 24 18:07:03 GMT 2002
Centered the occulting.
Sun Nov 24 18:44:04 GMT 2002    MKIV      End Patrol
Sun Nov 24 18:44:16 GMT 2002    MKIV      Start Cal
Sun Nov 24 19:04:44 GMT 2002    MKIV      Start Patrol
PSPT COMMENT: Sun Nov 24 19:21:18 GMT 2002
Observing
MKIV COMMENT: Sun Nov 24 19:22:27 GMT 2002
Centered occulting.
**GONG PROBLEM**: Sun Nov 24 19:42:25 GMT 2002
Went to shelter and cycled Data and Instrument chassis power and rebooted
the workstation to fix a waveplate sync error that prevented image captures.
Sun Nov 24 20:40:41 GMT 2002    CHIP      End Patrol
Sun Nov 24 20:40:52 GMT 2002    PICS      End Patrol
WEATHER COMMENT: Sun Nov 24 20:40:54 GMT 2002
Clouds are very thick, spar not tracking.
Sun Nov 24 20:45:04 GMT 2002    MKIV      End Patrol
Sun Nov 24 20:55:20 GMT 2002
        MkIV


18_06.rawmk4    18_47.rawmk4    19_25.rawmk4    19_54.rawmk4    20_24.rawmk4
18_09.rawmk4    18_53.rawmk4    19_28.rawmk4    19_57.rawmk4    20_27.rawmk4
18_12.rawmk4    18_59.rawmk4    19_31.rawmk4    20_00.rawmk4    20_30.rawmk4
18_15.rawmk4    19_04.rawmk4    19_34.rawmk4    20_03.rawmk4    20_33.rawmk4
18_18.rawmk4    19_07.rawmk4    19_37.rawmk4    20_06.rawmk4    20_35.rawmk4
18_21.rawmk4    19_10.rawmk4    19_40.rawmk4    20_09.rawmk4    20_38.rawmk4
```

```
18_27.rawmk4    19_13.rawmk4    19_42.rawmk4    20_12.rawmk4    20_41.rawmk4
18_31.rawmk4    19_16.rawmk4    19_45.rawmk4    20_15.rawmk4    c18_44.rawmk4
18_37.rawmk4    19_19.rawmk4    19_48.rawmk4    20_18.rawmk4    c18_50.rawmk4
18_40.rawmk4    19_22.rawmk4    19_51.rawmk4    20_21.rawmk4
```