```
--------------------------------------------------------------------------------
                    Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
            Sat Jul 17 16:57:40 GMT 1999
Year: 99  Doy: 198
Observer: koon
WEATHER COMMENT: Sat Jul 17 16:57:42 GMT 1999
Clear sky, wind=5 mph from the Southeast, temp=50 F.
ing new tape
Sat Jul 17 16:59:37 GMT 1999     CHIP      CHIP Start Patrol
Sat Jul 17 16:59:37 GMT 1999     CHIP      CHIP Start Patrol
Sat Jul 17 17:03:01 GMT 1999     CHIP      Bias
Sat Jul 17 17:04:02 GMT 1999     CHIP      End Bias
Sat Jul 17 17:04:16 GMT 1999     CHIP      Water
Sat Jul 17 17:05:03 GMT 1999     CHIP      End Water
**MKIV PROBLEM**: Sat Jul 17 17:51:34 GMT 1999
Scans don't look very good (MkIII either), strange looking sectors in the
South.
Sat Jul 17 18:00:58 GMT 1999     PICS      Flat
Sat Jul 17 18:02:48 GMT 1999     CHIP      Bias
Sat Jul 17 18:03:34 GMT 1999     PICS      End Flat
Sat Jul 17 18:03:52 GMT 1999     CHIP      End Bias
Sat Jul 17 18:04:15 GMT 1999     CHIP      Water
Sat Jul 17 18:05:01 GMT 1999     CHIP      End Water
**MKIV PROBLEM**: Sat Jul 17 18:45:17 GMT 1999
The scans still look weird, but I think they looked normal in the early
morning.  The clockwise scan has strange scalloped bright sectors in the
south, the CCW scan has a little of that due south and an obvious scaling
related ring from the limb out to about 1/3 of the radial FOV distance.
Sat Jul 17 19:02:01 GMT 1999     PICS      polarization_calibration
Sat Jul 17 19:02:54 GMT 1999     CHIP      Bias
Sat Jul 17 19:03:48 GMT 1999     CHIP      End Bias
Sat Jul 17 19:04:06 GMT 1999     CHIP      Water
Sat Jul 17 19:04:57 GMT 1999     CHIP      End Water
**MKIV PROBLEM**: Sat Jul 17 19:05:23 GMT 1999
Scans look normal again.
COMMENT: Sat Jul 17 19:48:27 GMT 1999
Extended the dome slot.
Sat Jul 17 20:02:50 GMT 1999     CHIP      Gain
Sat Jul 17 20:07:17 GMT 1999     CHIP      End Gain
Sat Jul 17 20:07:30 GMT 1999     CHIP      Bias
Sat Jul 17 20:08:24 GMT 1999     CHIP      End Bias
Sat Jul 17 20:08:46 GMT 1999     CHIP      Water
Sat Jul 17 20:09:33 GMT 1999     CHIP      End Water
**GONG PROBLEM**: Sat Jul 17 20:36:06 GMT 1999
I'm going down to the shelter to see if I can fix the UPS, it has been
nonfunctional for a week or so due to lack of charging capability, we
just got a piece of equipment necessary for troubleshooting it.
```

```
Sat Jul 17 21:00:51 GMT 1999      CHIP       Bias
Sat Jul 17 21:01:56 GMT 1999      CHIP       End Bias
Sat Jul 17 21:02:09 GMT 1999      CHIP       Water
Sat Jul 17 21:02:53 GMT 1999      CHIP       End Water
Sat Jul 17 22:00:47 GMT 1999      CHIP       Bias
Sat Jul 17 22:01:45 GMT 1999      CHIP       End Bias
Sat Jul 17 22:02:06 GMT 1999      CHIP       Water
Sat Jul 17 22:02:56 GMT 1999      CHIP       End Water
**MKIV PROBLEM**: Sat Jul 17 22:31:14 GMT 1999
The scans still look OK.
**GONG PROBLEM**: Sat Jul 17 22:31:28 GMT 1999
I just got back from the shelter.  The new keypad works but will not communicate w
with the logic board, I will need to replace the logic board next but I
can't find any spare on site, I'll ask GONG about it.
Sat Jul 17 22:33:30 GMT 1999      CHIP       CHIP End Patrol
Sat Jul 17 22:46:30 GMT 1999      CHIP       ending tape
COMMENT: Sat Jul 17 23:01:01 GMT 1999


TAPES:
******
MKIV: 99198
CHIP: C00866
PICS: P01487
LOWL: L00613 in drive #1

Sat Jul 17 23:02:18 GMT 1999
        MkIII


16_59.rawmk3    18_19.rawmk3    19_26.rawmk3    20_34.rawmk3    21_42.rawmk3
17_03.rawmk3    18_22.rawmk3    19_30.rawmk3    20_38.rawmk3    21_46.rawmk3
17_06.rawmk3    18_26.rawmk3    19_34.rawmk3    20_42.rawmk3    21_50.rawmk3
17_10.rawmk3    18_30.rawmk3    19_38.rawmk3    20_46.rawmk3    21_54.rawmk3
17_14.rawmk3    18_34.rawmk3    19_41.rawmk3    20_49.rawmk3    21_57.rawmk3
17_18.rawmk3    18_37.rawmk3    19_45.rawmk3    20_53.rawmk3    22_01.rawmk3
17_22.rawmk3    18_41.rawmk3    19_49.rawmk3    20_57.rawmk3    22_05.rawmk3
17_25.rawmk3    18_45.rawmk3    19_53.rawmk3    21_01.rawmk3    22_09.rawmk3
17_29.rawmk3    18_49.rawmk3    19_56.rawmk3    21_05.rawmk3    22_13.rawmk3
17_33.rawmk3    18_52.rawmk3    20_00.rawmk3    21_09.rawmk3    22_16.rawmk3
17_37.rawmk3    18_56.rawmk3    20_04.rawmk3    21_12.rawmk3    22_20.rawmk3
17_40.rawmk3    19_00.rawmk3    20_08.rawmk3    21_16.rawmk3    22_24.rawmk3
17_44.rawmk3    19_04.rawmk3    20_12.rawmk3    21_20.rawmk3    22_28.rawmk3
17_48.rawmk3    19_08.rawmk3    20_16.rawmk3    21_24.rawmk3    c17_52.rawmk3
17_55.rawmk3    19_12.rawmk3    20_19.rawmk3    21_27.rawmk3    c17_59.rawmk3
18_03.rawmk3    19_15.rawmk3    20_23.rawmk3    21_31.rawmk3    c18_07.rawmk3
18_11.rawmk3    19_19.rawmk3    20_27.rawmk3    21_35.rawmk3
18_15.rawmk3    19_23.rawmk3    20_31.rawmk3    21_39.rawmk3
```