```
--------------------------------------------------------------------------------
                  Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
          Wed Apr 17 17:22:04 GMT 2002
Year: 02  Doy: 107
Observer: koon
WEATHER COMMENT: Wed Apr 17 17:22:05 GMT 2002
Clear sky, wind=5mph from the SSE, temp=50 F.
Wed Apr 17 17:26:04 GMT 2002    MKIV    Start Patrol
PSPT COMMENT: Wed Apr 17 17:44:42 GMT 2002
Observing.
**ECHO PROBLEM**: Wed Apr 17 17:50:16 GMT 2002
Image was off to bottom right corner, restarted echosys and that didn't change
it.  Got a message from Alice that I might try changing HA and Dec error values
and so I brought up that menu choice - but right at that moment the images
started coming in to center and were soon centered - I didn't change anything
as far as I know, strange.
Wed Apr 17 18:02:02 GMT 2002    PICS     Flat
Wed Apr 17 18:04:54 GMT 2002    PICS     End Flat
Wed Apr 17 18:07:39 GMT 2002    MKIV    End Patrol
Wed Apr 17 18:07:49 GMT 2002    MKIV    Start Cal
**** EVENT COMMENT ****: Wed Apr 17 18:11:51 GMT 2002
Cool looking EPL animations at the West limb.
Wed Apr 17 18:26:32 GMT 2002    MKIV    End Cal
Wed Apr 17 18:26:43 GMT 2002    MKIV    Start Patrol
Wed Apr 17 19:00:56 GMT 2002    CHIP     LSD
Wed Apr 17 19:03:07 GMT 2002    CHIP     End LSD
Wed Apr 17 19:03:25 GMT 2002    CHIP     BiasLSD
Wed Apr 17 19:04:28 GMT 2002    CHIP     End BiasLSD
Wed Apr 17 19:04:36 GMT 2002    CHIP     Bias
Wed Apr 17 19:05:30 GMT 2002    CHIP     End Bias
COMMENT: Wed Apr 17 19:41:32 GMT 2002
Extended the dome slot.
**MKIV PROBLEM**: Wed Apr 17 19:59:32 GMT 2002
David brought to my attention that there is something funny looking in the
data he is seeing.  The occulting is working fine.  There are radial streaks
consistently grouping in the area of the large coronal hole in the GIF images
used in our animations, these aren't raw data images and since the realtime
scans don't have the streaks it seems there is something wrong with the GIF
image processing.
WEATHER COMMENT: Wed Apr 17 21:18:55 GMT 2002
Orographic clouds are passing by.
Wed Apr 17 21:51:48 GMT 2002    CHIP     End Patrol
Wed Apr 17 21:52:45 GMT 2002    PICS     End Patrol
WEATHER COMMENT: Wed Apr 17 21:52:51 GMT 2002
Fog is moving in, closing down.
Wed Apr 17 21:53:12 GMT 2002    MKIV    End Patrol
MKIV COMMENT: Wed Apr 17 22:38:33 GMT 2002
```

I attached the new strip heater and RTD sensor to the appropriate camera mount.
MKIV PROBLEM: Wed Apr 17 22:42:48 GMT 2002
Alice is working on fixing the GIF image problems.
ECHO COMMENT: Wed Apr 17 22:52:33 GMT 2002
At 22:32 UT HA error= -0.974 and Dec error= 0.159. We may need to change the
"HA (and Dec) error to use" values to those if pointing continues to be a
problem (i.e., where the images are down in the lower right corner).
Wed Apr 17 22:55:06 GMT 2002
        MkIV

17_26.rawmk4   18_29.rawmk4   19_22.rawmk4   20_15.rawmk4   21_08.rawmk4
17_29.rawmk4   18_32.rawmk4   19_25.rawmk4   20_18.rawmk4   21_11.rawmk4
17_32.rawmk4   18_35.rawmk4   19_28.rawmk4   20_21.rawmk4   21_14.rawmk4
17_34.rawmk4   18_38.rawmk4   19_31.rawmk4   20_24.rawmk4   21_17.rawmk4
17_37.rawmk4   18_41.rawmk4   19_34.rawmk4   20_27.rawmk4   21_20.rawmk4
17_40.rawmk4   18_44.rawmk4   19_37.rawmk4   20_30.rawmk4   21_23.rawmk4
17_43.rawmk4   18_47.rawmk4   19_40.rawmk4   20_33.rawmk4   21_26.rawmk4
17_46.rawmk4   18_50.rawmk4   19_43.rawmk4   20_36.rawmk4   21_29.rawmk4
17_49.rawmk4   18_53.rawmk4   19_46.rawmk4   20_39.rawmk4   21_32.rawmk4
17_52.rawmk4   18_56.rawmk4   19_49.rawmk4   20_42.rawmk4   21_35.rawmk4
17_55.rawmk4   18_59.rawmk4   19_52.rawmk4   20_45.rawmk4   21_38.rawmk4
17_58.rawmk4   19_02.rawmk4   19_55.rawmk4   20_48.rawmk4   21_41.rawmk4
18_01.rawmk4   19_05.rawmk4   19_57.rawmk4   20_50.rawmk4   21_44.rawmk4
18_04.rawmk4   19_07.rawmk4   20_00.rawmk4   20_53.rawmk4   21_46.rawmk4
18_10.rawmk4   19_10.rawmk4   20_03.rawmk4   20_56.rawmk4   21_49.rawmk4
18_17.rawmk4   19_13.rawmk4   20_06.rawmk4   20_59.rawmk4   c18_07.rawmk4
18_23.rawmk4   19_16.rawmk4   20_09.rawmk4   21_02.rawmk4   c18_13.rawmk4
18_26.rawmk4   19_19.rawmk4   20_12.rawmk4   21_05.rawmk4   c18_20.rawmk4