```
--------------------------------------------------------------------------------
                   Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
           Tue Mar 21 16:48:52 GMT 2000
Year: 00  Doy: 081
Observer: yasukawa
WEATHER COMMENT: Tue Mar 21 16:49:37 GMT 2000
Cool, in broken cirrus, brisk south wind.
Tue Mar 21 16:50:30 GMT 2000    CHIP     Startup--Initializing new tape
Tue Mar 21 16:54:11 GMT 2000    CHIP     CHIP Start 7 Passband Patrol
Tue Mar 21 16:54:28 GMT 2000    MKIV     Start Patrol
Tue Mar 21 16:54:31 GMT 2000    PICS     Start Patrol
LOW-L COMMENT: Tue Mar 21 17:00:06 GMT 2000
L00678 at 73 files.  Unloading, cleaning drive #1, and loading L00680.
Data writing to L00679 in drive #0 after time/date correction and restart.
Tue Mar 21 18:02:34 GMT 2000    PICS     Flat
WEATHER COMMENT: Tue Mar 21 18:04:36 GMT 2000

Clear hole.
Tue Mar 21 18:05:15 GMT 2000    PICS     End Flat
**PSPT PROBLEM**: Tue Mar 21 19:32:22 GMT 2000
Guider took off and pointed spar to south somewhere during the 1900 UT
scan.  Could it be a spring equinox glitch in the ephemeris????
Tue Mar 21 19:37:26 GMT 2000    PICS     End Patrol
COMMENT: Tue Mar 21 19:37:35 GMT 2000
Stopping to reconfigure dome shutter.
Tue Mar 21 19:38:09 GMT 2000    CHIP     CHIP End Patrol
**PSPT PROBLEM**: Tue Mar 21 19:43:35 GMT 2000
Restarted with Run after shutting down once.  PSPT guiding correctly for now.
Tue Mar 21 19:45:21 GMT 2000    MKIV     Start Patrol
WEATHER COMMENT: Tue Mar 21 19:45:31 GMT 2000
Except for a few scans before MKIV calibration, we are in cirrus overcast.
MKIV scans were marginal.
Tue Mar 21 20:03:31 GMT 2000    CHIP     Gain7
Tue Mar 21 20:11:53 GMT 2000    CHIP     End Gain
Tue Mar 21 20:12:09 GMT 2000    CHIP     Bias
Tue Mar 21 20:13:16 GMT 2000    CHIP     End Bias
WEATHER COMMENT: Tue Mar 21 21:19:40 GMT 2000
Cirrus still extensive to west.  Cloud bank is building up to east and
a few clouds are blowing over station.  Going to shut down to avoid
misting on the O1s.
Tue Mar 21 21:21:26 GMT 2000    CHIP     CHIP End Patrol
Tue Mar 21 21:22:09 GMT 2000    CHIP     ending tape
COMMENT: Tue Mar 21 21:29:19 GMT 2000
Tapes:
MKIV:  00-081
CHIP:  C01080
PICS:  P01700
```

```
LOWL:   L00679 in drive #0
Tue Mar 21 21:32:21 GMT 2000
        MkIV

16_54.rawmk4    17_47.rawmk4    18_51.rawmk4    19_48.rawmk4    20_41.rawmk4
16_57.rawmk4    17_50.rawmk4    18_54.rawmk4    19_51.rawmk4    20_44.rawmk4
17_00.rawmk4    17_53.rawmk4    18_56.rawmk4    19_54.rawmk4    20_47.rawmk4
17_03.rawmk4    17_56.rawmk4    18_59.rawmk4    19_57.rawmk4    20_50.rawmk4
17_06.rawmk4    17_59.rawmk4    19_02.rawmk4    20_00.rawmk4    20_53.rawmk4
17_09.rawmk4    18_02.rawmk4    19_05.rawmk4    20_03.rawmk4    20_56.rawmk4
17_12.rawmk4    18_05.rawmk4    19_08.rawmk4    20_06.rawmk4    20_59.rawmk4
17_15.rawmk4    18_08.rawmk4    19_11.rawmk4    20_09.rawmk4    21_02.rawmk4
17_18.rawmk4    18_11.rawmk4    19_14.rawmk4    20_12.rawmk4    21_05.rawmk4
17_21.rawmk4    18_14.rawmk4    19_17.rawmk4    20_14.rawmk4    21_08.rawmk4
17_24.rawmk4    18_20.rawmk4    19_20.rawmk4    20_17.rawmk4    21_11.rawmk4
17_27.rawmk4    18_26.rawmk4    19_23.rawmk4    20_20.rawmk4    21_14.rawmk4
17_30.rawmk4    18_33.rawmk4    19_26.rawmk4    20_23.rawmk4    21_17.rawmk4
17_33.rawmk4    18_36.rawmk4    19_29.rawmk4    20_26.rawmk4    c18_17.rawmk4
17_36.rawmk4    18_39.rawmk4    19_32.rawmk4    20_29.rawmk4    c18_23.rawmk4
17_39.rawmk4    18_42.rawmk4    19_35.rawmk4    20_32.rawmk4    c18_29.rawmk4
17_42.rawmk4    18_45.rawmk4    19_38.rawmk4    20_35.rawmk4
17_44.rawmk4    18_48.rawmk4    19_45.rawmk4    20_38.rawmk4
```