```
--------------------------------------------------------------------------------
                    Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
          Tue Feb 17 17:17:53 GMT 1998
Year: 98  Doy: 048
Observer: yasukawa
WEATHER COMMENT: Tue Feb 17 17:18:39 GMT 1998
Cool, in thin to moderate cirrus, light south wind.
Tue Feb 17 17:19:15 GMT 1998    CHIP      Startup--Initializing new tape
Tue Feb 17 17:23:45 GMT 1998    CHIP      CHIP Start Patrol
Tue Feb 17 17:24:48 GMT 1998    PICS      Start Patrol
COMMENT: Tue Feb 17 17:26:48 GMT 1998
Standing by with MKIII and PSPT, awaiting clear sky.
Tue Feb 17 17:38:52 GMT 1998    MKIII     Start Patrol
WEATHER COMMENT: Tue Feb 17 17:39:47 GMT 1998
Cirrus more broken and thinner now.  Starting MKIII and PSPT.
WEATHER COMMENT: Tue Feb 17 17:57:20 GMT 1998
In thicker cirrus, stopping MKIII.  Standing by.
Tue Feb 17 18:02:25 GMT 1998    PICS      Flat
Tue Feb 17 18:03:03 GMT 1998    CHIP      Bias
Tue Feb 17 18:04:05 GMT 1998    PICS      End Flat
Tue Feb 17 18:04:19 GMT 1998    CHIP      End Bias
Tue Feb 17 18:04:29 GMT 1998    CHIP      Water
Tue Feb 17 18:05:15 GMT 1998    CHIP      End Water
Tue Feb 17 18:19:20 GMT 1998    MKIII     Start Patrol
WEATHER COMMENT: Tue Feb 17 18:19:31 GMT 1998
Clear
MKIII COMMENT: Tue Feb 17 18:30:57 GMT 1998
Calibrating after exercising dark shutter.
Tue Feb 17 18:32:28 GMT 1998    MKIII     Start Cal
MKIII COMMENT: Tue Feb 17 18:45:15 GMT 1998
Exercising the dark shutter a couple of times seems to help.  The
first cycle did not take the shutter all the way in as light was
still apparent on P+S monitor.  Second cycle produced the flat
line signature of a good closure.  Can't say why, but cycling the shutter
seems to help it go all the way in during the following cal.
MKIII COMMENT: Tue Feb 17 18:48:06 GMT 1998
May not have gone ALL the way in during cal, I see some radial streaks
on the KCC monitor image.  P+S stayed flat, though.  Streaks also
visible in xanim image.
Tue Feb 17 19:00:16 GMT 1998    PICS      Flat
Tue Feb 17 19:01:58 GMT 1998    PICS      End Flat
Tue Feb 17 19:03:08 GMT 1998    CHIP      Bias
Tue Feb 17 19:04:19 GMT 1998    CHIP      End Bias
Tue Feb 17 19:04:28 GMT 1998    CHIP      Water
Tue Feb 17 19:05:15 GMT 1998    CHIP      End Water
Tue Feb 17 20:01:16 GMT 1998    PICS      Flat
Tue Feb 17 20:02:55 GMT 1998    PICS      End Flat
```

```
Tue Feb 17 20:03:04 GMT 1998     CHIP      Gain
Tue Feb 17 20:08:54 GMT 1998     CHIP      End Gain
Tue Feb 17 20:09:03 GMT 1998     CHIP      Bias
Tue Feb 17 20:09:58 GMT 1998     CHIP      End Bias
Tue Feb 17 20:10:13 GMT 1998     CHIP      Water
Tue Feb 17 20:10:58 GMT 1998     CHIP      End Water
MKIII COMMENT: Tue Feb 17 20:40:31 GMT 1998
Right after 2033 entry, got a 'Tape write error 0' entry on akamai window.
Tape drive still behaving OK.
Tue Feb 17 21:02:29 GMT 1998     PICS      Flat
Tue Feb 17 21:03:04 GMT 1998     CHIP      Bias
Tue Feb 17 21:04:13 GMT 1998     PICS      End Flat
Tue Feb 17 21:04:13 GMT 1998     PICS      End Flat
Tue Feb 17 21:04:26 GMT 1998     CHIP      Water
Tue Feb 17 21:05:14 GMT 1998     CHIP      End Water
Tue Feb 17 22:00:24 GMT 1998     PICS      Flat
Tue Feb 17 22:02:00 GMT 1998     PICS      End Flat
Tue Feb 17 22:03:03 GMT 1998     CHIP      Bias
Tue Feb 17 22:04:04 GMT 1998     CHIP      End Bias
Tue Feb 17 22:04:19 GMT 1998     CHIP      Water
Tue Feb 17 22:05:08 GMT 1998     CHIP      End Water
Tue Feb 17 22:07:21 GMT 1998     PICS      End Patrol
Tue Feb 17 22:08:46 GMT 1998     CHIP      CHIP End Patrol
COMMENT: Tue Feb 17 22:10:17 GMT 1998
Tapes:
MKIII:  H01743
PICS:   P01116
CHIP:   C00505
LOWL:   L00496
Tue Feb 17 22:11:57 GMT 1998     CHIP      ending tape
Tue Feb 17 22:12:37 GMT 1998
        MkIII


17_38.rawmk3    18_59.rawmk3    19_52.rawmk3    20_45.rawmk3    21_37.rawmk3
17_42.rawmk3    19_02.rawmk3    19_55.rawmk3    20_48.rawmk3    21_40.rawmk3
17_45.rawmk3    19_05.rawmk3    19_58.rawmk3    20_50.rawmk3    21_43.rawmk3
17_47.rawmk3    19_08.rawmk3    20_01.rawmk3    20_53.rawmk3    21_46.rawmk3
17_50.rawmk3    19_11.rawmk3    20_04.rawmk3    20_56.rawmk3    21_49.rawmk3
17_53.rawmk3    19_14.rawmk3    20_07.rawmk3    20_59.rawmk3    21_52.rawmk3
17_56.rawmk3    19_17.rawmk3    20_10.rawmk3    21_02.rawmk3    21_55.rawmk3
17_59.rawmk3    19_20.rawmk3    20_12.rawmk3    21_05.rawmk3    21_58.rawmk3
18_19.rawmk3    19_23.rawmk3    20_15.rawmk3    21_08.rawmk3    22_01.rawmk3
18_22.rawmk3    19_26.rawmk3    20_18.rawmk3    21_11.rawmk3    22_04.rawmk3
18_25.rawmk3    19_29.rawmk3    20_21.rawmk3    21_14.rawmk3    22_06.rawmk3
18_28.rawmk3    19_32.rawmk3    20_24.rawmk3    21_17.rawmk3    c18_32.rawmk3
18_35.rawmk3    19_34.rawmk3    20_27.rawmk3    21_20.rawmk3    c18_38.rawmk3
18_41.rawmk3    19_37.rawmk3    20_30.rawmk3    21_23.rawmk3    c18_44.rawmk3
18_47.rawmk3    19_40.rawmk3    20_33.rawmk3    21_26.rawmk3
```

```
18_51.rawmk3    19_43.rawmk3    20_36.rawmk3    21_28.rawmk3
18_54.rawmk3    19_46.rawmk3    20_39.rawmk3    21_31.rawmk3
18_56.rawmk3    19_49.rawmk3    20_42.rawmk3    21_34.rawmk3
```