```
--------------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
--------------------------------------------------------------------------------
            Wed Feb 10 17:35:50 GMT 1999
Year: 99  Doy: 041
Observer: koon
WEATHER COMMENT: Wed Feb 10 17:35:55 GMT 1999
Clear sky, wind=10 mph from the SSE, temp=38 F.
Wed Feb 10 17:37:23 GMT 1999    CHIP     Startup--Initializing new tape
Wed Feb 10 17:42:52 GMT 1999    MKIII    Start Patrol
Wed Feb 10 17:43:06 GMT 1999    CHIP     CHIP Start Patrol
Wed Feb 10 18:01:49 GMT 1999    CHIP     Bias
Wed Feb 10 18:02:47 GMT 1999    CHIP     End Bias
Wed Feb 10 18:03:01 GMT 1999    CHIP     Water
Wed Feb 10 18:03:41 GMT 1999    CHIP     End Water
Wed Feb 10 18:34:33 GMT 1999    MKIII    Start Cal
Wed Feb 10 18:54:46 GMT 1999    MKIII    Start Patrol
**PSPT PROBLEM**: Wed Feb 10 18:57:08 GMT 1999
Crashed trying an exposure, tried Run, didn't work, tried Restart, stalled
showing timeout counter, tried Restart again, dome pointed too far to West
but telescope may have pointed correctly, exited and used Obs to store
telescope and dome, dome pointed too far West of stow position, tried Run
again, this time it worked.
        CHIP     Bias
Wed Feb 10 19:02:05 GMT 1999    CHIP     End Bias
Wed Feb 10 19:02:15 GMT 1999    CHIP     Water
Wed Feb 10 19:02:55 GMT 1999    CHIP     End Water
Wed Feb 10 20:00:46 GMT 1999    CHIP     Gain
Wed Feb 10 20:05:18 GMT 1999    CHIP     End Gain
Wed Feb 10 20:05:34 GMT 1999    CHIP     Bias
Wed Feb 10 20:06:37 GMT 1999    CHIP     End Bias
Wed Feb 10 20:06:47 GMT 1999    CHIP     Water
Wed Feb 10 20:07:22 GMT 1999    CHIP     End Water
Wed Feb 10 21:01:49 GMT 1999    CHIP     Bias
Wed Feb 10 21:02:42 GMT 1999    CHIP     End Bias
Wed Feb 10 21:02:52 GMT 1999    CHIP     Water
Wed Feb 10 21:03:32 GMT 1999    CHIP     End Water
Wed Feb 10 22:01:50 GMT 1999    CHIP     Bias
Wed Feb 10 22:02:51 GMT 1999    CHIP     End Bias
Wed Feb 10 22:03:01 GMT 1999    CHIP     Water
Wed Feb 10 22:03:40 GMT 1999    CHIP     End Water
Wed Feb 10 23:00:47 GMT 1999    CHIP     Bias
Wed Feb 10 23:01:43 GMT 1999    CHIP     End Bias
Wed Feb 10 23:01:52 GMT 1999    CHIP     Water
Wed Feb 10 23:02:32 GMT 1999    CHIP     End Water
COMMENT: Wed Feb 10 23:06:23 GMT 1999
The new RAS accounts for MODEM dial-in access to HAO work very well, much
faster than old connection.
```

```
Wed Feb 10 23:11:27 GMT 1999     CHIP       CHIP End Patrol
Wed Feb 10 23:12:44 GMT 1999     CHIP       ending tape
COMMENT: Wed Feb 10 23:17:30 GMT 1999


TAPES:
******
MKIV: 99041
CHIP: C00779
LOWL: L00578 in drive #0

Wed Feb 10 23:19:03 GMT 1999
        MkIII


17_42.rawmk3    18_58.rawmk3    20_02.rawmk3    21_07.rawmk3    22_11.rawmk3
17_46.rawmk3    19_01.rawmk3    20_05.rawmk3    21_10.rawmk3    22_14.rawmk3
17_49.rawmk3    19_04.rawmk3    20_09.rawmk3    21_13.rawmk3    22_18.rawmk3
17_52.rawmk3    19_07.rawmk3    20_12.rawmk3    21_16.rawmk3    22_21.rawmk3
17_55.rawmk3    19_11.rawmk3    20_15.rawmk3    21_20.rawmk3    22_24.rawmk3
17_59.rawmk3    19_14.rawmk3    20_18.rawmk3    21_23.rawmk3    22_27.rawmk3
18_02.rawmk3    19_17.rawmk3    20_22.rawmk3    21_26.rawmk3    22_31.rawmk3
18_05.rawmk3    19_20.rawmk3    20_25.rawmk3    21_29.rawmk3    22_34.rawmk3
18_08.rawmk3    19_23.rawmk3    20_28.rawmk3    21_33.rawmk3    22_37.rawmk3
18_12.rawmk3    19_27.rawmk3    20_31.rawmk3    21_36.rawmk3    22_40.rawmk3
18_15.rawmk3    19_30.rawmk3    20_34.rawmk3    21_39.rawmk3    22_43.rawmk3
18_18.rawmk3    19_33.rawmk3    20_38.rawmk3    21_42.rawmk3    22_47.rawmk3
18_21.rawmk3    19_36.rawmk3    20_41.rawmk3    21_45.rawmk3    22_50.rawmk3
18_25.rawmk3    19_40.rawmk3    20_44.rawmk3    21_49.rawmk3    22_53.rawmk3
18_28.rawmk3    19_43.rawmk3    20_47.rawmk3    21_52.rawmk3    22_56.rawmk3
18_31.rawmk3    19_46.rawmk3    20_51.rawmk3    21_55.rawmk3    23_00.rawmk3
18_38.rawmk3    19_49.rawmk3    20_54.rawmk3    21_58.rawmk3    23_03.rawmk3
18_44.rawmk3    19_52.rawmk3    20_57.rawmk3    22_02.rawmk3    c18_34.rawmk3
18_51.rawmk3    19_56.rawmk3    21_00.rawmk3    22_05.rawmk3    c18_41.rawmk3
18_54.rawmk3    19_59.rawmk3    21_03.rawmk3    22_08.rawmk3    c18_48.rawmk3
```