```
-------------------------------------------------------------------------------
                Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
            Sat Dec 12 17:25:06 GMT 1998
Year: 98  Doy: 346
Observer: koon
WEATHER COMMENT: Sat Dec 12 17:25:14 GMT 1998
Clear sky, wind=10 mph from the SE, temp=42 F.
Sat Dec 12 17:26:09 GMT 1998     CHIP     Startup--Initializing new tape
Sat Dec 12 17:31:16 GMT 1998     MKIII    Start Patrol
Sat Dec 12 17:31:21 GMT 1998     PICS     Start Patrol
Sat Dec 12 17:31:21 GMT 1998     PICS     Start Patrol
**MLSO PROBLEM**: Sat Dec 12 17:41:27 GMT 1998
Network connection not working past mountain.
Sat Dec 12 18:00:13 GMT 1998     PICS     Flat
Sat Dec 12 18:01:52 GMT 1998     PICS     End Flat
Sat Dec 12 18:01:52 GMT 1998     PICS     End Flat
Sat Dec 12 18:02:48 GMT 1998     CHIP     End Bias
Sat Dec 12 18:02:58 GMT 1998     CHIP     Water
Sat Dec 12 18:03:37 GMT 1998     CHIP     End Water
**PICS PROBLEM**: Sat Dec 12 18:29:13 GMT 1998
Looks normal except for the first few cycles where the images on the Display
window were divided in half vertically and the east half was against the right
edge and the west half was against the left edge of the window.
Sat Dec 12 18:48:50 GMT 1998     MKIII    Start Cal
Sat Dec 12 19:00:57 GMT 1998     CHIP     Bias
Sat Dec 12 19:01:16 GMT 1998     PICS     Flat
Sat Dec 12 19:01:53 GMT 1998     CHIP     End Bias
Sat Dec 12 19:02:24 GMT 1998     CHIP     Water
MKIV COMMENT: Sat Dec 12 19:02:45 GMT 1998
Removed tape 98345 and installed 98346 in Nahenahe drive.
Sat Dec 12 19:03:07 GMT 1998     CHIP     End Water
**PICS PROBLEM**: Sat Dec 12 19:03:36 GMT 1998
The sun is divided vertically again on the Display window.
Sat Dec 12 19:09:03 GMT 1998     MKIII    Start Patrol
Sat Dec 12 20:00:48 GMT 1998     CHIP     Gain
Sat Dec 12 20:01:19 GMT 1998     PICS     Flat
Sat Dec 12 20:02:54 GMT 1998     PICS     End Flat
Sat Dec 12 20:05:36 GMT 1998     CHIP     End Gain
Sat Dec 12 20:05:48 GMT 1998     CHIP     Bias
Sat Dec 12 20:06:41 GMT 1998     CHIP     End Bias
Sat Dec 12 20:06:54 GMT 1998     CHIP     Water
Sat Dec 12 20:07:47 GMT 1998     CHIP     End Water
COMMENT: Sat Dec 12 20:28:27 GMT 1998
Just finished giving a tour to students from Hilo High School Science Club.
Sat Dec 12 21:02:12 GMT 1998     PICS     Flat
Sat Dec 12 21:02:48 GMT 1998     CHIP     Bias
Sat Dec 12 21:03:55 GMT 1998     CHIP     End Bias
```

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Sat Dec 12 21:04:09 GMT 1998      CHIP      Water
\000\000\000Sat Dec 12 21:04:09 GMT 1998        CHIP      Water
\000\000\000Sat Dec 12 21:04:53 GMT 1998        CHIP      End Water
Sat Dec 12 22:00:15 GMT 1998      PICS      Flat
Sat Dec 12 22:01:47 GMT 1998      PICS      End Flat
Sat Dec 12 22:02:50 GMT 1998      CHIP      Bias
Sat Dec 12 22:03:49 GMT 1998      CHIP      End Bias
Sat Dec 12 22:04:19 GMT 1998      CHIP      Water
Sat Dec 12 22:05:03 GMT 1998      CHIP      End Water
Sat Dec 12 23:01:13 GMT 1998      PICS      Flat
Sat Dec 12 23:02:48 GMT 1998      CHIP      Bias
Sat Dec 12 23:02:48 GMT 1998      CHIP      Bias
Sat Dec 12 23:03:59 GMT 1998      CHIP      End Bias
Sat Dec 12 23:04:13 GMT 1998      CHIP      Water
Sat Dec 12 23:05:00 GMT 1998      CHIP      End Water
Sat Dec 12 23:09:01 GMT 1998      MKIII     End Patrol
Sat Dec 12 23:11:20 GMT 1998      PICS      End Patrol
Sat Dec 12 23:11:29 GMT 1998      CHIP      CHIP End Patrol
Sat Dec 12 23:14:37 GMT 1998      CHIP      ending tape
COMMENT: Sat Dec 12 23:15:16 GMT 1998


TAPES:
******
MKIV: 98346
CHIP: C00738
PICS: P01351
LOWL: L00563


Sat Dec 12 23:19:48 GMT 1998
        MkIII


17_31.rawmk3    18_39.rawmk3    19_57.rawmk3    21_05.rawmk3    22_14.rawmk3
17_34.rawmk3    18_42.rawmk3    20_01.rawmk3    21_09.rawmk3    22_17.rawmk3
17_37.rawmk3    18_45.rawmk3    20_04.rawmk3    21_12.rawmk3    22_20.rawmk3
17_41.rawmk3    18_52.rawmk3    20_07.rawmk3    21_15.rawmk3    22_23.rawmk3
17_44.rawmk3    18_59.rawmk3    20_10.rawmk3    21_18.rawmk3    22_27.rawmk3
17_47.rawmk3    19_05.rawmk3    20_14.rawmk3    21_22.rawmk3    22_30.rawmk3
17_50.rawmk3    19_09.rawmk3    20_17.rawmk3    21_25.rawmk3    22_33.rawmk3
17_54.rawmk3    19_12.rawmk3    20_20.rawmk3    21_28.rawmk3    22_36.rawmk3
17_57.rawmk3    19_15.rawmk3    20_23.rawmk3    21_31.rawmk3    22_40.rawmk3
18_00.rawmk3    19_18.rawmk3    20_26.rawmk3    21_35.rawmk3    22_43.rawmk3
18_03.rawmk3    19_22.rawmk3    20_30.rawmk3    21_38.rawmk3    22_46.rawmk3
18_07.rawmk3    19_25.rawmk3    20_33.rawmk3    21_41.rawmk3    22_49.rawmk3
18_10.rawmk3    19_28.rawmk3    20_36.rawmk3    21_44.rawmk3    22_52.rawmk3
18_13.rawmk3    19_31.rawmk3    20_39.rawmk3    21_48.rawmk3    22_56.rawmk3
18_16.rawmk3    19_35.rawmk3    20_43.rawmk3    21_51.rawmk3    22_59.rawmk3
18_19.rawmk3    19_38.rawmk3    20_46.rawmk3    21_54.rawmk3    23_02.rawmk3
18_23.rawmk3    19_41.rawmk3    20_49.rawmk3    21_57.rawmk3    23_05.rawmk3
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18_26.rawmk3    19_44.rawmk3    20_52.rawmk3    22_01.rawmk3    c18_48.rawmk3
18_29.rawmk3    19_48.rawmk3    20_56.rawmk3    22_04.rawmk3    c18_55.rawmk3
18_32.rawmk3    19_51.rawmk3    20_59.rawmk3    22_07.rawmk3    c19_02.rawmk3
18_36.rawmk3    19_54.rawmk3    21_02.rawmk3    22_10.rawmk3
```