```
Mauna Loa Solar Observatory Observer's Log
   ______
       Tue Dec 5 17:37:18 GMT 2006
Year: 06 Doy: 339
Observer: koon
Tue Dec 5 17:40:32 GMT 2006
                             MKIV
                                    Start Patrol
WEATHER COMMENT: Tue Dec 5 17:37:19 GMT 2006
Thin to medium cirrostratus overcast, no wind, temp=44F.
end
Tue Dec 5 17:41:06 GMT 2006
                             CHIP
                                     Start Patrol
Tue Dec 5 17:41:19 GMT 2006
                             PICS
                                     Start Patrol
SBM COMMENT: Tue Dec 5 17:44:03 GMT 2006
Obs.
end
PSPT COMMENT: Tue Dec 5 17:50:06 GMT 2006
Obs.
end
SBM COMMENT: Tue Dec 5 17:58:06 GMT 2006
Centering occulting.
end
Tue Dec 5 18:00:16 GMT 2006
                           PICS
                                     Flat
Tue Dec 5 18:02:34 GMT 2006
                           PICS
                                     End Flat
Tue Dec 5 18:02:42 GMT 2006
                           PICS
                                     ReStart Patrol
Tue Dec 5 18:02:52 GMT 2006
                           CHIP
MKIV COMMENT: Tue Dec 5 18:02:57 GMT 2006
Pausing due to clouds, no good scans yet.
end
Tue Dec 5 18:04:25 GMT 2006
                                    End Patrol
                             MKIV
Tue Dec 5 18:04:42 GMT 2006
                             CHIP
                                     End LSD
Tue Dec 5 18:04:52 GMT 2006
                           CHIP
                                     BiasLSD
Tue Dec 5 18:05:46 GMT 2006
                             CHIP
                                     End BiasLSD
Tue Dec 5 18:05:55 GMT 2006
                             CHIP
                                     Bias
Tue Dec 5 18:06:42 GMT 2006
                             CHIP
                                     End Bias
Tue Dec 5 18:06:49 GMT 2006
                             CHIP
                                     ReStart Patrol
**PSPT PROBLEM**: Tue Dec 5 20:44:34 GMT 2006
Crashed twice earlier, I noticed the filter wheel was out of sync so I paused
obs and "homed" the wheel then restarted obs.
end
Tue Dec 5 20:57:13 GMT 2006
                             MKIV
                                    Start Patrol
Tue Dec 5 21:47:23 GMT 2006
                           MKIV
                                    End Patrol
COMMENT: Tue Dec 5 22:34:58 GMT 2006
Lost Dec guiding, repointed and reset.
end
**PSPT PROBLEM**: Tue Dec 5 22:35:18 GMT 2006
Images vignetted, "homed" filter wheel and restarted.
end
```

MKIV

Start Patrol

Wed Dec 6 01:46:46 GMT 2006

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**PSPT PROBLEM**: Wed Dec 6 01:49:09 GMT 2006
Crashed, "homed" filter wheel and restarted.
  end
MKIV COMMENT: Wed Dec 6 01:49:33 GMT 2006
Clouds have thinned enough to get marginal scans, not very good though.
  end
Wed Dec 6 01:53:43 GMT 2006
                               MKIV
                                        Start Cal
Wed Dec 6 02:08:08 GMT 2006
                               CHIP
                                        End Patrol
NICE PICSDISC IMAGE: 1829
NICE PICSLIMB IMAGE: 1939
Wed Dec 6 02:09:13 GMT 2006
                                        End Patrol
                               PICS
NICE CHIP
             IMAGE: 1858
Wed Dec 6 02:12:27 GMT 2006
                                        End Cal
                               MKIV
Wed Dec 6 02:18:38 GMT 2006
        MkIV
01_46.rawmk4
              02_09.rawmk4
                             17_49.rawmk4
                                            18_01.rawmk4
                                                           c01 59.rawmk4
01_49.rawmk4
              17_40.rawmk4
                             17_52.rawmk4
                                            20_57.rawmk4
                                                           c02_06.rawmk4
01 56.rawmk4
              17 43.rawmk4
                             17 55.rawmk4
                                            21 00.rawmk4
```

17_58.rawmk4

c01_53.rawmk4

02_02.rawmk4

17_46.rawmk4