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-------------------------------------------------------------------------------
                  Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
          Sun Apr  6 16:50:48 GMT 2003
Year: 03  Doy: 096
Observer: koon
WEATHER COMMENT: Sun Apr  6 16:51:33 GMT 2003
Thick cirrostratus overcast, no wind, temp=42 F.
WEATHER COMMENT: Sun Apr  6 19:07:17 GMT 2003
Clouds have thinned, spar is tracking, starting obs.
Sun Apr  6 19:07:32 GMT 2003    PICS     Start Patrol
Sun Apr  6 19:08:09 GMT 2003    CHIP     Start Patrol
Sun Apr  6 19:08:22 GMT 2003    MKIV     Start Patrol
MKIV COMMENT: Sun Apr  6 19:08:25 GMT 2003
Centered occulting.
PSPT COMMENT: Sun Apr  6 19:32:21 GMT 2003
Observing.
Sun Apr  6 19:36:34 GMT 2003    MKIV     End Patrol
Sun Apr  6 19:37:38 GMT 2003    MKIV     Start Patrol
Sun Apr  6 19:43:52 GMT 2003    MKIV     End Patrol
**MKIV PROBLEM**: Sun Apr  6 19:39:38 GMT 2003
Started up with the typical partial scan symptoms shown on the realtime scans.
I went upstairs and cycled power to the spar power strip while the CCW scan
was still running but in the "non-data" sector (white on realtime scan), I
came back down to find the scan was still bad and continued until it stalled at
the end of the CCW scan.  Then I went back upstairs again and
cycled the spar power strip power, after that the CW scan started by
itself and the scans looked normal.  I've noted before that cycling this
power strip power has fixed the "Bad scans" problem.  I didn't have to cycle
the main KCC power or reset the KCC cpu board.  Somehow cycling that spar
power strip power undoes some confused state that the mk4 gets into with
these partial sector scans.
Sun Apr  6 20:18:22 GMT 2003    CHIP     End Patrol
WEATHER COMMENT: Sun Apr  6 20:18:39 GMT 2003
Pausing due to thick clouds.
Sun Apr  6 20:18:43 GMT 2003    PICS     End Patrol
WEATHER COMMENT: Sun Apr  6 23:44:47 GMT 2003
Very cloudy, getting some hail too.
Mon Apr  7 02:03:01 GMT 2003    MKIV     Start Patrol
MKIV COMMENT: Mon Apr  7 02:03:13 GMT 2003
David changed the mk4 code, it is still cloudy but I started Patrol to see if
it runs OK.  So far so good.
Mon Apr  7 02:15:13 GMT 2003    MKIV     End Patrol
MKIV COMMENT: Mon Apr  7 02:18:45 GMT 2003
Still saw the old "fix offset" messages which were removed in David's new
version of the code, so new code apparently wasn't loaded.  So I cycled the
main KCC power to load the new code, will try a couple of scans again.
Mon Apr  7 02:20:27 GMT 2003    MKIV     Start Patrol
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MKIV COMMENT: Mon Apr  7 02:23:29 GMT 2003
At end of scan the messages: t_scan 982 records, last barrel 8392
were displayed, and the "fix offset" messages are gone.  So it looks like the
new parts of the code mentioned by David work correctly.
Mon Apr  7 02:26:55 GMT 2003     MKIV     End Patrol
MKIV COMMENT: Mon Apr  7 02:26:36 GMT 2003
At end of CW scan the messages are: t_scan 983 records, last barrel 57161.  The
previous log entry gave messages for the end of a CCW scan.
Mon Apr  7 02:28:28 GMT 2003
        MkIV


02_03.rawmk4  02_11.rawmk4  19_08.rawmk4  19_29.rawmk4
02_05.rawmk4  02_20.rawmk4  19_12.rawmk4  19_37.rawmk4
02_08.rawmk4  02_23.rawmk4  19_17.rawmk4  19_40.rawmk4
```