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------------------------------------------------------------------------------
                Mauna Loa Solar Observatory Observer's Log
------------------------------------------------------------------------------
          Sun Feb  9 20:30:20 GMT 1997
Year: 97  Doy: 040
Observer: yasukawa
DPMON COMMENT: Sun Feb  9 20:32:50 GMT 1997
CHIP and DPMON were dead this morning.  Problem seemed to be in MCC.
Started MKIII and kept logs on 11-44.  I will transfer those logs
here shortly.  Meanwhile, we're back up so I will start systems first.
Sun Feb  9 20:34:57 GMT 1997    CHIP     Startup--Initializing new tape
Sun Feb  9 20:35:27 GMT 1997    dPMon    Start Patrol
Sun Feb  9 20:38:11 GMT 1997    CHIP     CHIP Start Patrol
LOG-LIST
### NCAR-HAO-MLSO LOG  17:30:22.   2/9/97 DOY 40        ###
1733 STARTING ONLY MKIII AT THIS TIME.  CHIP AND DPMON          160
1734 ARE DOWN.  MONITOR IS IN POWER-SAVE MODE, YBOX DRIVE
1735 UNIT IS OFF, STATUS UNIT IS LIVE, MCC 2533,4105, AND 3125
1735 CARDS' FAIL LEDS ARE ON.  RUN FAILS DUE TO MCC FAILURE.
1736 KEEPING RUNNING LOG ON MKIII'S OLD LOG SYSTEM FOR NOW.
1808 LOWL TAPE IN DRIVE 0 WAS POPPED. L00439 REMOVED, DRIVE
1809 CLEANED, L00441 LOADED.  DATA GOING TO L00440 IN DRIVE 1.
1814
1815 TRIED ALERTING BOULDER VIA EMAIL, NETWORK IS DOWN.  PING
1816 GETS TO SAN FRANCISCO BEFORE DYING.
1838 *** MARK-III CALIBRATION
1857 SKY TRANMISSION:  1444 DVM    0256 AR11
1909 STATIC CRASHED 4105.  CANNOT RECOVER.
1909 EXABYTE HAD ALSO STOPPED.  DID 0EOF TO SAVE DATA
1910 BUT KEEP STARTED AFTER 0EOF WRITTEN.  DID WEEP
1910 TO STOP DRIVE.  WILL PUT ON TWO EOFS BEFORE REBOOTING.     KEY
1911 TEK AND LA120 TERMINALS OK, BY THE WAY.                    161
1921 REMOVED H01491, LOADED H01492.
1921 H01491 CONTAINS 26 FILES.
1935 DECLINATION PROBLEM.  REPOINTED AND RESET.
OK
Sun Feb  9 21:03:01 GMT 1997    dPMon    Flat
Sun Feb  9 21:03:05 GMT 1997    CHIP     Bias
Sun Feb  9 21:03:50 GMT 1997    CHIP     End Bias
Sun Feb  9 21:03:56 GMT 1997    dPMon    End Flat
Sun Feb  9 21:03:57 GMT 1997    CHIP     Water
Sun Feb  9 21:04:25 GMT 1997    CHIP     End Water
COMMENT: Sun Feb  9 20:53:21 GMT 1997
Synopsis of today's problem:

Run on CHIP and DPMON would not start up, MCC monitor was dark this morning.
A check revealed that the FAIL LEDs on three MCC cards were on.  These cards
were the VMIC 2533 Digital Output Card, the VMIC 4105 8-channel D/A Card,
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and the VMIC 3125 32-channel A/D Card. I tried resetting the MCC processor
card with no results. Checked AC power and DC power and they were OK.
Tried cycling power at Switched Power on YBOX front panel, no result.
Began looking over documentation for clues. Later on when I got brave
(or desperate) I turned off power at the front panel of the MCC. OH WAIT<
before that, I tried rebooting the host computers to see if some interfaces
might need resetting--no result. Back to the MCC.... After turning off
power, I removed the cables and pulled the three cards to look for any
physical damage or obvious signs of a failure. All cards looked good.
I replaced the cards and replaced the cables. When I powered the MCC
back up, the processor leds began to flash like normal and after a shor
time, (nominal time for built-in test to run) the FAIL leds went off.
MCC monitor came to life and hosts responded to Run command.
DPMON COMMENT: Sun Feb 9 21:06:10 GMT 1997
Forgot to switch back from slew to clock drive on Coude bench.
Made angular correction.
COMMENT: Sun Feb 9 21:34:05 GMT 1997
Going down to GONG to attend to their tape drive problem.
Sun Feb 9 22:02:04 GMT 1997   CHIP   Bias
Sun Feb 9 22:02:51 GMT 1997   CHIP   End Bias
Sun Feb 9 22:03:00 GMT 1997   dPMon   Flat
Sun Feb 9 22:03:01 GMT 1997   CHIP   Water
Sun Feb 9 22:03:28 GMT 1997   CHIP   End Water
Sun Feb 9 22:03:55 GMT 1997   dPMon   End Flat
COMMENT: Sun Feb 9 22:33:47 GMT 1997
Back from GONG.
Sun Feb 9 23:01:03 GMT 1997   CHIP   Bias
Sun Feb 9 23:01:50 GMT 1997   CHIP   End Bias
Sun Feb 9 23:02:00 GMT 1997   CHIP   Water
Sun Feb 9 23:02:29 GMT 1997   CHIP   End Water
Sun Feb 9 23:03:00 GMT 1997   dPMon   Flat
Sun Feb 9 23:03:51 GMT 1997   dPMon   End Flat
Sun Feb 9 23:08:00 GMT 1997   dPMon   End Patrol
Sun Feb 9 23:08:34 GMT 1997   CHIP   CHIP End Patrol
Sun Feb 9 23:09:06 GMT 1997   CHIP   ending tape
COMMENT: Sun Feb 9 23:09:30 GMT 1997
Activity report:
QP: 95; 115; 120; 254;
No coronal activity

Tapes: MKIII: H01491 and H01492
        DPMON: P00819
        CHIP: C00236
        LOWL: L00440
SCAN-LOG
SCAN-LOG 17:30:22.   2/9/97 DOY 40

H01491------

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     17:39:48        17:43:02        17:46:15        17:49:30        17:52:43
   17:55:58        17:59:11        18:02:27        18:05:41        18:08:57
   18:12:11        18:15:27        18:18:42        18:21:58        18:25:13
   18:28:29        18:31:44        18:35:01        18:38:15        1842 0 CL
   18:45:28        1849 15CL       18:58:37        19:02:55        19:06:08
   19:08:34

H01492------
        19:24:04        19:27:17        19:30:36        19:33:48
   19:37:01        19:40:13        19:43:26        19:46:38        19:49:55
   19:53:07        19:56:19        19:59:31        20:02:43        20:05:54
   20:09:08        20:12:19        20:15:32        20:18:43        20:21:56
   20:25:07        20:28:20        20:31:31        20:34:48        20:38:00
   20:41:12        20:44:24        20:47:38        20:50:49        20:54:06
   20:57:19        21:00:32        21:03:43        21:06:56        21:10:07
   21:13:20        21:16:31        21:19:44        21:22:56        21:26:09
   21:29:21        21:32:38        21:35:50        21:39:03        21:42:14
   21:45:27        21:48:38        21:51:51        21:55:03        21:58:15
   22:01:27        22:04:40        22:07:51        22:11:04        22:14:15
   22:17:28        22:20:39        22:23:52        22:27:03        22:30:16
   22:33:28        22:36:41        22:39:53        22:43:10        22:46:22
   22:49:34        22:52:46        22:55:58        22:59:09        23:02:22
   0 ERRORS
OK
```