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## Mauna Loa Solar Observatory Observer's Log

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Mon May 22 16:22:41 GMT 2000

Year: 00 Doy: 143 Observer: yasukawa

Mon May 22 16:25:00 GMT 2000 CHIP Startup--Initializing new tape

WEATHER COMMENT: Mon May 22 16:25:06 GMT 2000

Cool, clear, light south breeze.

Mon May 22 16:30:45 GMT 2000 MKIV Start Patrol

Mon May 22 16:30:43 GMT 2000 CHIP CHIP Start 7 Passband Patrol Mon May 22 16:30:43 GMT 2000 CHIP CHIP Start 7 Passband Patrol

\*\*LOW-L PROBLEM\*\*: Mon May 22 16:43:21 GMT 2000

LOWL is running OK, data writing to L00713 in drive #1. Currently 11 files.

Steve has requested that I increase MOF2 temperature from 110 to 120.

Doing that now.

\*\*LOW-L PROBLEM\*\*: Mon May 22 17:03:51 GMT 2000

MOF2 setpoint changed from 110 to 120. Entered new setpoint value onto monitor display. L00713 file count now at 12. I will take data at this new setpoint for around an hour and then load the data onto nahenahe for ftp transfer and examination in Boulder.

\*\*\*\* EVENT COMMENT \*\*\*\*: Mon May 22 17:32:17 GMT 2000

CME in progress at PA 70-100. There is also a faint EPL at PA 80 which appears detached, moving thru the FOV at RV 1.2.

Mon May 22 18:03:22 GMT 2000 PICS Flat Mon May 22 18:06:11 GMT 2000 PICS End Flat

\*\*\*\* EVENT COMMENT \*\*\*\*: Mon May 22 18:20:22 GMT 2000

EPL at PA 80 gone from FOV.

GONG COMMENT: Mon May 22 18:34:43 GMT 2000

Going down to GONG to do weekly PM.

GONG COMMENT: Mon May 22 19:16:00 GMT 2000

Back from GONG.

Experienced problems with Exabyte tape drives, cycled power and rebooted data and instrument computers to recover.

\*\*LOW-L PROBLEM\*\*: Mon May 22 19:17:13 GMT 2000

L00713 now has 14 files and temperature has been stable for more than an hour. Ejecting tape and resuming obs onto L00714 in drive #0.

Loading L00715 into drive #1.

\*\*LOW-L PROBLEM\*\*: Mon May 22 19:24:25 GMT 2000

Reading L00713 into nahenahe e drive ftp directory:

/local/e/Data/ToHAO/LowL/L00713

COMMENT: Mon May 22 19:31:30 GMT 2000

Stopping to reconfigure dome shutter.

Patrol

Mon May 22 19:34:18 GMT 2000 CHIP CHIP End Patrol Mon May 22 19:40:36 GMT 2000 MKIV Start Patrol

Mon May 22 19:40:56 GMT 2000 CHIP CHIP Start 7 Passband Patrol

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Mon May 22 19:40:56 GMT 2000
                                CHIP
                                         CHIP Start 7 Passband Patrol
Mon May 22 20:02:18 GMT 2000
                               CHIP
                                         Gain7
**LOW-L PROBLEM**: Mon May 22 20:03:28 GMT 2000
Tape transfer to nahenahe e drive finished. Alerted Steve via email.
Loaded MKIV tape into nahenahe tape drive.
Mon May 22 20:10:56 GMT 2000
                                CHIP
                                         End Gain
Mon May 22 20:11:11 GMT 2000
                                CHIP
                                         Bias
Mon May 22 20:12:20 GMT 2000
                               CHIP
                                         End Bias
**PSPT PROBLEM**: Mon May 22 20:51:13 GMT 2000
PSPT crashed at 19:40:29.
Last message on gui: Writing image 20000522.1908.HW.R.C.015
Error message in xterm window:
        % WRITEU: Error encountered writing to file.
                                                        Unit 100
                   File: /psp1/pspt1/images/20000522.1908.HW.R.C.015
                No space left on device
        % Error occurred at:
                                WRITEFITS
                                                        184
                /export/home/pspt1/idl/idlastro/cds/util/fits/writefits.pro
                                PSPT CALIB DATA EVENTS 240 pspt calib data.pro
                                WIDGET_PROCESS_EVENTS
                                $MAINS$
        Execution halted at:
                                PSPT CALIB DATA EVENTS 240 pspt calib data.pro
**PSPT PROBLEM**: Mon May 22 21:20:52 GMT 2000
Closed qui and exited IDL. Started up again and opened new qui.
Selected Abort (Randy reinstalled old program for now requiring ABORT
before doing Shutdown), and selected Shutdown. GUI indicated there were
0 bytes available and began a backup, then shut down. Backup only ran
briefly. Randy meanwhile got my message and checked things out.
Brief backup was because files were not properly zipped so archive was
empty. He will zip and write data to loaded tape tonight (and hopefully
fix the problem) and I will check the tape tomorrow and delete the archive
if the transfer is successful.
**LOW-L PROBLEM**: Mon May 22 21:31:49 GMT 2000
Steve prescribed another 10 degree increas in MOF2 temperature.
Raised temperature from 120 to 130.
Allowing 15 minutes to stabilize and will take about an hours worth of
data to transfer to Boulder.
COMMENT: Mon May 22 22:02:49 GMT 2000
Moving dome manually to try keeping the three telescopes in the slot.
Sun is moving either straight overhead or slightly north this time
of year.
**LOW-L PROBLEM**: Mon May 22 22:17:24 GMT 2000
MOF2 Res value seems stable around 127.95. Not sure if it is as high as
it is going to get at setpoint 130, or I missed it reaching setpoint and
hysteresis is causing it to hunt, or I'm just not being patient enough.
**LOW-L PROBLEM**: Mon May 22 23:00:54 GMT 2000
Stopping LOWL at 4 files for transfer to Boulder. Unloading L00714
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from drive #0, cleaning drive, loading L00716 into drive #0,
restarting program writing to L00715 in drive #1.
Mon May 22 23:06:25 GMT 2000
                                 PICS
                                          End Patrol
**LOW-L PROBLEM**: Mon May 22 23:12:30 GMT 2000
Transferring LowL data from tape to nahenahe e-drive for Steve to ftp
over to Boulder for examination. Data is writing to:
/local/e/Data/ToHAO/LowL/L00714
Mon May 22 23:16:17 GMT 2000
                                          CHIP End Patrol
                                 CHIP
Mon May 22 23:17:02 GMT 2000
                                          ending tape
                                 CHIP
COMMENT: Mon May 22 23:17:11 GMT 2000
Tapes:
MKIV: 00-143
PICS: P01754
CHIP: C01133
LOWL: L00713, L00714, and L00715 in drives #1, #0, and #1 respectively
MKIV COMMENT: Mon May 22 23:27:14 GMT 2000
MKIV tape back in tape drive for overnight transfer.
Mon May 22 23:28:15 GMT 2000
        MkIV
                                              20 37.rawmk4
16_30.rawmk4
               17_48.rawmk4
                               19_14.rawmk4
                                                              21_54.rawmk4
16 33.rawmk4
               17 50.rawmk4
                               19 17.rawmk4
                                              20 40.rawmk4
                                                              21 57.rawmk4
16_36.rawmk4
               17_53.rawmk4
                               19_20.rawmk4
                                              20_43.rawmk4
                                                              22_00.rawmk4
16 39.rawmk4
               17 56.rawmk4
                               19 23.rawmk4
                                              20 46.rawmk4
                                                              22 03.rawmk4
               17 59.rawmk4
                               19 26.rawmk4
                                              20 48.rawmk4
                                                              22 06.rawmk4
16 42.rawmk4
16_45.rawmk4
               18_02.rawmk4
                               19 29.rawmk4
                                              20 51.rawmk4
                                                              22 08.rawmk4
16 48.rawmk4
               18 05.rawmk4
                               19 32.rawmk4
                                              20 54.rawmk4
                                                              22 11.rawmk4
16 51.rawmk4
               18 08.rawmk4
                               19 40.rawmk4
                                              20 57.rawmk4
                                                              22 14.rawmk4
16_54.rawmk4
               18_11.rawmk4
                               19_43.rawmk4
                                              21_00.rawmk4
                                                              22_17.rawmk4
16_57.rawmk4
               18_14.rawmk4
                               19_46.rawmk4
                                              21_03.rawmk4
                                                              22_20.rawmk4
17_00.rawmk4
               18 17.rawmk4
                               19 49.rawmk4
                                              21 06.rawmk4
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17_03.rawmk4
               18_20.rawmk4
                               19_52.rawmk4
                                              21_09.rawmk4
                                                              22_26.rawmk4
17_06.rawmk4
               18_23.rawmk4
                               19_55.rawmk4
                                              21_12.rawmk4
                                                              22_29.rawmk4
               18 26.rawmk4
17 09.rawmk4
                               19 58.rawmk4
                                              21 15.rawmk4
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17 12.rawmk4
               18_32.rawmk4
                               20 01.rawmk4
                                              21 18.rawmk4
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17 15.rawmk4
               18 38.rawmk4
                               20 04.rawmk4
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17_18.rawmk4
               18 44.rawmk4
                               20 07.rawmk4
                                              21 24.rawmk4
                                                              22 41.rawmk4
17_21.rawmk4
               18_48.rawmk4
                               20_10.rawmk4
                                              21_27.rawmk4
                                                              22_44.rawmk4
17 24.rawmk4
               18 51.rawmk4
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17 27.rawmk4
               18 54.rawmk4
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17_30.rawmk4
               18_56.rawmk4
                               20_19.rawmk4
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17 33.rawmk4
               18 59.rawmk4
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               19 02.rawmk4
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17 36.rawmk4
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17_39.rawmk4
               19_05.rawmk4
                               20_28.rawmk4
                                              21_45.rawmk4
                                                              c18_29.rawmk4
17 42.rawmk4
               19 08.rawmk4
                               20 31.rawmk4
                                              21 48.rawmk4
                                                              c18 35.rawmk4
17 45.rawmk4
               19 11.rawmk4
                               20 34.rawmk4
                                              21 51.rawmk4
                                                              c18 41.rawmk4
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