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Mauna Loa Solar Observatory Observer's Log  
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Fri May 12 16:23:35 GMT 2000

Year: 00 Doy: 133

Observer: yasukawa

WEATHER COMMENT: Fri May 12 16:24:40 GMT 2000

Cool, in broken cirrus, light south breeze.

Fri May 12 16:50:52 GMT 2000 CHIP Startup--Initializing new tape

WEATHER COMMENT: Fri May 12 17:03:13 GMT 2000

Cirrus thinning enough to guide. Starting PICS and CHIP.

17:03:20 GMT 2000 PICS Start Patrol

**\*\*LOW-L PROBLEM\*\***: Fri May 12 17:03:44 GMT 2000

LOWL crashed again trying to write a header to drive #0. Heliostat found pointing west, date 2000/05/12, time 04:02:30, files 5, message tape, tape 0 header. Kim has sent out a "new" drive for us to replace the current drive 0 with, should arrive in a day or two. For now we will swap drives 0 and 1 to see if we can get by. Swap done at select switch on rear of drives. Now drive 0 is temp1 and drive 1 is temp0. Unloaded L00706 from orig0. Loaded L00707 in temp0 and L00708 in temp1. Cycled power on PC, entered time and date, started lowl program.

**\*\*LOW-L PROBLEM\*\***: Fri May 12 17:10:16 GMT 2000

MOF2 not working properly, Kim will be sending out two replacement cells that we will need to replace the failed cell (and one for spare).

**\*\*LOW-L PROBLEM\*\***: Fri May 12 17:11:59 GMT 2000

Forgot to mention original drive 1 makes an unhealthy noise when tape is loading and positioning itself. Sounds like a vibration on one of its rollers, or friction in one of its bearings.

**\*\*LOW-L PROBLEM\*\***: Fri May 12 17:18:34 GMT 2000

Well, so much for the swap. L00707 popped out of temp0 sometime between the time I started it and now, data is writing to L00708 in temp1.

**\*\*LOW-L PROBLEM\*\***: Fri May 12 17:23:41 GMT 2000

Since the sky is bad, I unloaded both tapes and restarted program with the data writing to temp0 again to see if the problem recurs.

L00707 in temp0, L00708 in temp1.

Fri May 12 18:03:01 GMT 2000 PICS Flat

Fri May 12 18:05:39 GMT 2000 PICS End Flat

Distributed Sadler supplies between MLSO first aid station, car first aid kit, and office first aid kit. Discarded bottle of Garcia-era aspirin.

COMMENT: Fri May 12 18:47:57 GMT 2000

reconfiguring dome shutter while in thick clouds.

Fri May 12 18:48:20 GMT 2000 PICS End Patrol

Fri May 12 18:50:20 GMT 2000 CHIP CHIP End Patrol

WEATHER COMMENT: Fri May 12 18:53:42 GMT 2000

Can't see solar image on guider target at this time. Waiting for guiding to get better before restarting CHIP and PICS.

Fri May 12 18:58:47 GMT 2000 PICS Start Patrol  
Fri May 12 18:58:47 GMT 2000 PICS Start Patrol  
\*\*LOW-L PROBLEM\*\*:  
Fri May 12 19:50:39 GMT 2000  
LOWL is still taking cloud data, writing to temp0.  
Fri May 12 20:03:28 GMT 2000 CHIP Gain7  
Fri May 12 20:12:00 GMT 2000 CHIP End Gain  
Fri May 12 20:12:07 GMT 2000 CHIP Bias  
Fri May 12 20:13:02 GMT 2000 CHIP End Bias  
COMMENT: Fri May 12 20:18:44 GMT 2000  
Have not been able to get mail (if any) popped. Cannot get to hao.ucar.edu at this time.  
PSPT COMMENT: Fri May 12 20:43:25 GMT 2000  
Used manual (longhand) command string to write data to tape.  
Checked tape with tapecheck command and determined that backup was successful. Deleted files in archive. Mailing tape to Randy along with the other data tape in the mail queue.  
Start Patrol  
WEATHER COMMENT: Fri May 12 20:46:00 GMT 2000  
In hole, starting MKIV and PSPT  
WEATHER COMMENT: Fri May 12 20:50:32 GMT 2000  
Thin cirrus in hole. Orographic clouds forming all around.  
MKIV COMMENT: Fri May 12 21:00:58 GMT 2000  
Got one complete marginal coronal scan before getting back in thin cirrus.  
WEATHER COMMENT: Fri May 12 21:11:35 GMT 2000  
In thick cirrus.  
WEATHER COMMENT: Fri May 12 21:24:27 GMT 2000  
In orographic clouds, too.  
Fri May 12 21:25:22 GMT 2000 CHIP CHIP End Patrol  
Fri May 12 21:26:27 GMT 2000 PICS End Patrol  
Fri May 12 21:27:56 GMT 2000 CHIP ending tape  
COMMENT: Fri May 12 21:28:09 GMT 2000  
Tapes:  
MKIV: 00-133  
PICS: P01745  
CHIP: C01124  
LOWL: L00707 in temp0  
LOW-L COMMENT: Fri May 12 21:37:54 GMT 2000  
Last log entry before printing logs and leaving site---  
LOWL is still running and writing data to temp0.  
It is at file: 4  
Fri May 12 21:39:55 GMT 2000  
MkIV

20\_45.rawmk4 20\_51.rawmk4 20\_57.rawmk4 21\_03.rawmk4 21\_09.rawmk4  
20\_48.rawmk4 20\_54.rawmk4 21\_00.rawmk4 21\_06.rawmk4 21\_12.rawmk4