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Mauna Loa Solar Observatory Observer's Log  
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Thu Jul 2 16:47:08 GMT 1998

Year: 98 Doy: 183

Observer: koon

WEATHER COMMENT: Thu Jul 2 16:48:10 GMT 1998

Clear sky, no wind, temp=52 F.

CHIP COMMENT: Thu Jul 2 16:48:39 GMT 1998

It looks like this is working again, a message from Kitty says she was able to repair the bad blocks of the affected disk and mount it, and the program came up like usual, so I'll try it out.

Thu Jul 2 16:52:52 GMT 1998 CHIP Startup--Initializing new tape

Thu Jul 2 16:59:04 GMT 1998 MKIII Start Patrol

Thu Jul 2 16:59:09 GMT 1998 CHIP CHIP Start Patrol

Thu Jul 2 16:59:15 GMT 1998 PICS Start Patrol

\*\*CHIP PROBLEM\*\*: Thu Jul 2 17:01:37 GMT 1998

When I tried to run Patrol the sparcstation rebooted itself.

Thu Jul 2 17:02:08 GMT 1998 PICS Flat

Thu Jul 2 17:03:37 GMT 1998 PICS End Flat

MKIII COMMENT: Thu Jul 2 17:04:40 GMT 1998

The scans look good, so the corrector table must be OK. I wasn't sure about that yesterday because the scans looked strange, probably due to the clouds and some optical misplacements.

\*\*MLSO PROBLEM\*\*: Thu Jul 2 17:06:20 GMT 1998

The power went out again sometime yesterday.

\*\*LOW-L PROBLEM\*\*: Thu Jul 2 17:07:02 GMT 1998

Due to the second power outage yesterday the program was restarted and the data went to Test Drive #1, so none of yesterday's data were lost, but if there were another power outage the program would have started overwriting the data on Drive#0 because that tape didn't eject. A UPS for the LOWL would prevent that sort of data loss, we've lost data that way before. Removed L00529 and installed L00531 in Drive #0.

\*\*PICS PROBLEM\*\*: Thu Jul 2 17:08:42 GMT 1998

Due to the second power outage yesterday the cooler was off this morning.

Thu Jul 2 17:14:01 GMT 1998 CHIP Startup--Initializing new tape

Thu Jul 2 17:24:42 GMT 1998 CHIP CHIP Start Patrol

CHIP COMMENT: Thu Jul 2 17:28:09 GMT 1998

I started the Patrol again after the automatic reboot, so far the program is working, it appears to be taking data and writing to tape OK.

CHIP COMMENT: Thu Jul 2 17:37:36 GMT 1998

Although the program appears to be working I don't see any images in either the Camera or Display windows.

CHIP COMMENT: Thu Jul 2 17:43:19 GMT 1998

The dust cover and diffuser are both out, it looks like light is getting to the camera, probably. I'll see if I can update the hourly time-lapse sequence after 1800, that would indicate that data is being taken and put somewhere.

**\*\*MLSO PROBLEM\*\***: Thu Jul 2 17:58:45 GMT 1998

The network is down again, it was working earlier today, can't get past mtnserv.

Thu Jul 2 18:01:17 GMT 1998 CHIP Bias  
Thu Jul 2 18:02:24 GMT 1998 PICS Flat  
Thu Jul 2 18:02:43 GMT 1998 CHIP End Bias  
Thu Jul 2 18:02:53 GMT 1998 CHIP Water  
Thu Jul 2 18:03:40 GMT 1998 CHIP End Water  
Thu Jul 2 18:03:51 GMT 1998 PICS End Flat

CHIP COMMENT: Thu Jul 2 18:04:21 GMT 1998

The image for the hourly time-lapse sequence is bad, just like the Display window image, pure noise.

Thu Jul 2 18:09:36 GMT 1998 CHIP CHIP End Patrol

CHIP COMMENT: Thu Jul 2 18:25:00 GMT 1998

I found that the objective was pointed far off in the Y direction, I centered the image as best I could by eye in the Camera window. Also had to move a little in the X direction.

CHIP COMMENT: Thu Jul 2 18:30:49 GMT 1998

I restarted Patrol and now there is an image in the Display window.

**\*\*CHIP PROBLEM\*\***: Thu Jul 2 18:31:59 GMT 1998

There was a few problems today that are mentioned in more detail in the log. Basically, Kitty fixed the disk by finding the bad blocks, so she remounted the disk and I tried the Patrol today. On the first try, the computer automatically rebooted shortly after I started Patrol. On the second try the Patrol worked but it turned out that the objective was incorrectly pointed, I used the Mike Controller to visually center the image of the sun in the Camera window while running the Video program. Hopefully the adjusting of the objective won't cause other problems. This comment is a heads-up notice to the Boulder folks that some problems may still exist but if aren't noticeable to me right now. I am currently running Patrol for the third time and everything looks good.

Thu Jul 2 19:02:21 GMT 1998 PICS Flat  
Thu Jul 2 19:03:49 GMT 1998 PICS End Flat

**\*\*CHIP PROBLEM\*\***: Thu Jul 2 19:10:38 GMT 1998

Had and Optics:Busy crash during Program:FixCenter, did Kill/Run to fix.

Thu Jul 2 19:13:52 GMT 1998 CHIP CHIP Start Patrol

**\*\*MLSO PROBLEM\*\***: Thu Jul 2 19:22:29 GMT 1998

Mail at Boulder isn't working for some reason, hopefully it will just be delayed, and at least the network is working now.

**\*\*MLSO PROBLEM\*\***: Thu Jul 2 19:28:42 GMT 1998

I checked with NOAA and they had power outages yesterday at the same time as us, but they had a UPS for their equipment and therefore nothing was damaged. We need UPS systems for our equipment too, before we get a serious problem due to power problems, at least for the computers.

I also checked with HELCO and there was a power outage in Puna in the morning that probably caused our main outage problem, they weren't aware of any problem in the afternoon but we got hit by something that caused loss of LOWL data and turned off the PICS/CHIP cooler.

Thu Jul 2 20:02:27 GMT 1998 PICS Flat  
Thu Jul 2 20:03:22 GMT 1998 CHIP Gain  
Thu Jul 2 20:03:53 GMT 1998 PICS End Flat  
Thu Jul 2 20:09:13 GMT 1998 CHIP End Bias  
Thu Jul 2 20:09:23 GMT 1998 CHIP Water  
Thu Jul 2 20:09:58 GMT 1998 CHIP End Water  
COMMENT: Thu Jul 2 20:25:12 GMT 1998  
Extended the dome slot about 20 minutes ago.  
\*\*PSPT PROBLEM\*\*:  
Thu Jul 2 20:35:17 GMT 1998  
Roy had a problem with the sparcstation, it was locked up. I tried  
STOP-A and rlogging into pspt, neither worked. Had to cycle the power,  
it came up OK, no "fsck" type problems.  
Thu Jul 2 21:00:16 GMT 1998 PICS Flat  
Thu Jul 2 21:01:48 GMT 1998 PICS End Flat  
Thu Jul 2 21:02:19 GMT 1998 CHIP Bias  
Thu Jul 2 21:03:32 GMT 1998 CHIP End Bias  
Thu Jul 2 21:03:44 GMT 1998 CHIP Water  
Thu Jul 2 21:04:27 GMT 1998 CHIP End Water  
Thu Jul 2 22:01:17 GMT 1998 PICS Flat  
Thu Jul 2 22:02:18 GMT 1998 CHIP Bias  
Thu Jul 2 22:02:49 GMT 1998 PICS End Flat  
Thu Jul 2 22:03:26 GMT 1998 CHIP End Bias  
Thu Jul 2 22:03:36 GMT 1998 CHIP Water  
Thu Jul 2 22:04:19 GMT 1998 CHIP End Water  
Thu Jul 2 22:13:37 GMT 1998 PICS End Patrol  
Thu Jul 2 22:16:30 GMT 1998 CHIP CHIP End Patrol  
Thu Jul 2 22:18:10 GMT 1998 CHIP ending tape  
COMMENT: Thu Jul 2 22:23:49 GMT 1998

TAPES:

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PICS: P01233

CHIP: C00627

LOWL: L00530 in Test drive #1

\*\*MLSO PROBLEM\*\*:  
Thu Jul 2 22:45:00 GMT 1998

I heard an alarm up in the dome. The CHIP/PICS cooler was low on coolant,  
even though I just filled it about 3 weeks ago. I filled it back. I found  
a puddle of coolant under the cooler, it leaked out from somewhere near  
the rear of the cooler but I couldn't tell where. The leak had stopped so  
I didn't pull the cooler apart. It was probably due to some seal or  
connection deforming due to temperature or dehydration because of the  
cooler being off due to the second power outage yesterday. This is  
another good reason to have a UPS system for the cooler, and we also lose  
good data as the plate temperatures cool down in the morning after the  
cooler was off overnight.

Thu Jul 2 22:50:33 GMT 1998

MkIII

16_59.rawmk3	18_10.rawmk3	19_11.rawmk3	20_13.rawmk3	21_14.rawmk3
17_02.rawmk3	18_13.rawmk3	19_14.rawmk3	20_16.rawmk3	21_17.rawmk3
17_05.rawmk3	18_16.rawmk3	19_17.rawmk3	20_18.rawmk3	21_20.rawmk3
17_08.rawmk3	18_19.rawmk3	19_20.rawmk3	20_21.rawmk3	21_23.rawmk3
17_10.rawmk3	18_22.rawmk3	19_23.rawmk3	20_24.rawmk3	21_26.rawmk3
17_13.rawmk3	18_24.rawmk3	19_26.rawmk3	20_27.rawmk3	21_29.rawmk3
17_16.rawmk3	18_27.rawmk3	19_29.rawmk3	20_30.rawmk3	21_31.rawmk3
17_19.rawmk3	18_30.rawmk3	19_32.rawmk3	20_33.rawmk3	21_34.rawmk3
17_22.rawmk3	18_33.rawmk3	19_35.rawmk3	20_36.rawmk3	21_37.rawmk3
17_25.rawmk3	18_36.rawmk3	19_38.rawmk3	20_39.rawmk3	21_40.rawmk3
17_28.rawmk3	18_39.rawmk3	19_40.rawmk3	20_42.rawmk3	21_43.rawmk3
17_31.rawmk3	18_42.rawmk3	19_43.rawmk3	20_45.rawmk3	21_46.rawmk3
17_34.rawmk3	18_45.rawmk3	19_46.rawmk3	20_48.rawmk3	21_49.rawmk3
17_37.rawmk3	18_48.rawmk3	19_49.rawmk3	20_51.rawmk3	21_52.rawmk3
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17_43.rawmk3	18_54.rawmk3	19_55.rawmk3	20_56.rawmk3	21_58.rawmk3
17_46.rawmk3	18_57.rawmk3	19_58.rawmk3	20_59.rawmk3	22_01.rawmk3
17_48.rawmk3	19_00.rawmk3	20_01.rawmk3	21_02.rawmk3	c17_51.rawmk3
17_54.rawmk3	19_02.rawmk3	20_04.rawmk3	21_05.rawmk3	c17_58.rawmk3
18_01.rawmk3	19_05.rawmk3	20_07.rawmk3	21_08.rawmk3	c18_04.rawmk3
18_07.rawmk3	19_08.rawmk3	20_10.rawmk3	21_11.rawmk3	