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Mauna Loa Solar Observatory Observer's Log  
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Wed Jul 7 16:21:06 GMT 2010

Year: 10 Doy: 188

Observer: berkey

WEATHER COMMENT: Wed Jul 7 16:21:11 GMT 2010

Scattered cirrus, 5mph, 50F

\_\_\_\_end\_\_\_\_

PSPT COMMENT BY BEN: Wed Jul 7 16:21:57 GMT 2010

I am going to delay starting PSPT this morning while I do a little research on what spare disks we have on the mountain

\_\_\_\_end\_\_\_\_

Wed Jul 7 16:23:01 GMT 2010 CHIP Start Patrol

\*\*CHIP PROBLEM COMMENT BY BEN\*\* : Wed Jul 7 17:11:03 GMT 2010

Segmentation fault in chip

\_\_\_\_end\_\_\_\_

Wed Jul 7 17:11:21 GMT 2010 CHIP End Patrol

Wed Jul 7 17:13:51 GMT 2010 CHIP Start Patrol

Wed Jul 7 17:30:50 GMT 2010 MKIV Start Patrol

Wed Jul 7 18:01:52 GMT 2010 CHIP LSD

Wed Jul 7 18:03:27 GMT 2010 CHIP End LSD

Wed Jul 7 18:03:42 GMT 2010 CHIP BiasLSD

Wed Jul 7 18:04:17 GMT 2010 CHIP End BiasLSD

Wed Jul 7 18:04:26 GMT 2010 CHIP Bias

Wed Jul 7 18:05:02 GMT 2010 CHIP End Bias

Wed Jul 7 18:05:10 GMT 2010 CHIP ReStart Patrol

MKIV COMMENT BY BEN: Wed Jul 7 18:43:02 GMT 2010

Idling mk4 until clouds clear a bit

\_\_\_\_end\_\_\_\_

Wed Jul 7 18:47:45 GMT 2010 MKIV End Patrol

Wed Jul 7 19:08:51 GMT 2010 MKIV Start Patrol

Wed Jul 7 19:44:29 GMT 2010 MKIV End Patrol

Wed Jul 7 19:44:35 GMT 2010 MKIV Start Cal

Wed Jul 7 20:03:15 GMT 2010 MKIV End Cal

\*\*PSPT PROBLEM COMMENT BY BEN\*\* : Wed Jul 7 19:59:47 GMT 2010

Troubleshooting for PSPT drive noises:

Backed up pspt1:/export/ to kenobi:/data/export

Investigated possible backup disks incase export fails; export is a 9GB disk it looks like we have at least two 18GB scsi disks in storage that we should be able to bring online.

Opening up the export cases revealed that the fan was dead and clunking. I think the dieing fan lead to the odd noises, and a disk overheating issue might have been leading to the recent crashes. A replacement fan has been installed and the drive case

was left open to provide more airflow. Hopefully this fixes the problem. So far things are performing well

\_\_\_\_end\_\_\_\_

Wed Jul 7 20:05:37 GMT 2010 CHIP End Patrol

Wed Jul 7 20:09:57 GMT 2010 MKIV Start Patrol

Wed Jul 7 20:10:14 GMT 2010 CHIP Start Patrol

\*\*PSPT PROBLEM COMMENT BY BEN\*\*:  
Wed Jul 7 20:15:16 GMT 2010  
Communication error between SPARC and PC in an exp command. PC only recieved the p  
\_\_\_\_end\_\_\_\_

Wed Jul 7 21:56:06 GMT 2010 MKIV End Patrol  
\*\*PSPT PROBLEM COMMENT BY BEN\*\*:  
Wed Jul 7 21:58:00 GMT 2010  
The SPARC hard-drive grinding nosie is back  
\_\_\_\_end\_\_\_\_

Wed Jul 7 23:01:43 GMT 2010 CHIP LSD  
Wed Jul 7 23:03:12 GMT 2010 CHIP End LSD  
Wed Jul 7 23:03:21 GMT 2010 CHIP BiasLSD  
Wed Jul 7 23:03:56 GMT 2010 CHIP End BiasLSD  
Wed Jul 7 23:04:08 GMT 2010 CHIP Bias  
Wed Jul 7 23:04:44 GMT 2010 CHIP End Bias  
Wed Jul 7 23:04:51 GMT 2010 CHIP ReStart Patrol  
Thu Jul 8 00:21:47 GMT 2010 MKIV Start Patrol  
Thu Jul 8 01:25:19 GMT 2010 CHIP End Patrol  
Thu Jul 8 01:26:50 GMT 2010 MKIV End Patrol  
Thu Jul 8 01:32:22 GMT 2010 MKIV Start Patrol  
Thu Jul 8 01:32:38 GMT 2010 CHIP Start Patrol

\*\*MKIV PROBLEM COMMENT BY BEN\*\*:  
Thu Jul 8 02:46:16 GMT 2010  
Mk4 lost signal for no reason for a couple passes, shutters and sky are clear and now it appears to be fine again. See im  
ages: 2:37 2:40 2:42  
\_\_\_\_end\_\_\_\_

\*\*MKIV PROBLEM COMMENT BY BEN\*\*:  
Thu Jul 8 02:47:45 GMT 2010  
Note the signal was lost on both the analog scope output and the digital images  
\_\_\_\_end\_\_\_\_

PSPT COMMENT BY BEN:  
Thu Jul 8 02:54:42 GMT 2010  
I rebuilt the pspt sparc /export/pspl disk today with a spare 18GB we had up here. It appears the system is functioning w  
ell, and all of the data and permissions are restored on the new disk.  
Unfortuanly the data taken this morning is only on the old disk and will not make it into the archive.  
I am running a test observation now.  
\_\_\_\_end\_\_\_\_

PSPT COMMENT BY BEN:  
Thu Jul 8 03:31:05 GMT 2010  
Test took a little longer then I expected I forgot the camera controller is on a timer that turns the system off  
\_\_\_\_end\_\_\_\_

Thu Jul 8 03:40:58 GMT 2010 CHIP End Patrol  
PSPT COMMENT BY BEN:  
Thu Jul 8 03:43:04 GMT 2010  
I think everything is working, but it is to late in the day to observe so we will see tomorrow.  
\_\_\_\_end\_\_\_\_

Thu Jul 8 03:44:15 GMT 2010 MKIV End Patrol  
Thu Jul 8 03:48:44 GMT 2010  
MkIV

00_21.rawmk4	01_55.rawmk4	03_24.rawmk4	18_35.rawmk4	20_42.rawmk4
00_24.rawmk4	01_58.rawmk4	03_27.rawmk4	18_38.rawmk4	20_45.rawmk4
00_27.rawmk4	02_01.rawmk4	03_30.rawmk4	18_41.rawmk4	20_48.rawmk4
00_30.rawmk4	02_04.rawmk4	03_32.rawmk4	18_44.rawmk4	20_51.rawmk4
00_33.rawmk4	02_07.rawmk4	03_35.rawmk4	19_08.rawmk4	20_54.rawmk4

00_36.rawmk4	02_10.rawmk4	03_38.rawmk4	19_11.rawmk4	20_57.rawmk4
00_39.rawmk4	02_13.rawmk4	03_39.rawmk4	19_14.rawmk4	20_59.rawmk4
00_42.rawmk4	02_16.rawmk4	03_40.rawmk4	19_17.rawmk4	21_03.rawmk4
00_45.rawmk4	02_19.rawmk4	17_30.rawmk4	19_20.rawmk4	21_05.rawmk4
00_48.rawmk4	02_22.rawmk4	17_33.rawmk4	19_23.rawmk4	21_08.rawmk4
00_51.rawmk4	02_25.rawmk4	17_36.rawmk4	19_26.rawmk4	21_11.rawmk4
00_54.rawmk4	02_28.rawmk4	17_39.rawmk4	19_29.rawmk4	21_14.rawmk4
00_57.rawmk4	02_31.rawmk4	17_42.rawmk4	19_32.rawmk4	21_17.rawmk4
01_00.rawmk4	02_34.rawmk4	17_45.rawmk4	19_35.rawmk4	21_20.rawmk4
01_03.rawmk4	02_37.rawmk4	17_48.rawmk4	19_38.rawmk4	21_23.rawmk4
01_06.rawmk4	02_40.rawmk4	17_51.rawmk4	19_41.rawmk4	21_26.rawmk4
01_08.rawmk4	02_42.rawmk4	17_54.rawmk4	19_47.rawmk4	21_29.rawmk4
01_11.rawmk4	02_45.rawmk4	17_57.rawmk4	19_53.rawmk4	21_32.rawmk4
01_14.rawmk4	02_48.rawmk4	18_00.rawmk4	19_59.rawmk4	21_35.rawmk4
01_17.rawmk4	02_51.rawmk4	18_03.rawmk4	20_09.rawmk4	21_38.rawmk4
01_20.rawmk4	02_54.rawmk4	18_06.rawmk4	20_12.rawmk4	21_41.rawmk4
01_23.rawmk4	02_57.rawmk4	18_09.rawmk4	20_15.rawmk4	21_44.rawmk4
01_32.rawmk4	03_00.rawmk4	18_12.rawmk4	20_18.rawmk4	21_47.rawmk4
01_35.rawmk4	03_03.rawmk4	18_15.rawmk4	20_21.rawmk4	21_49.rawmk4
01_38.rawmk4	03_06.rawmk4	18_18.rawmk4	20_24.rawmk4	21_52.rawmk4
01_41.rawmk4	03_09.rawmk4	18_20.rawmk4	20_27.rawmk4	c19_44.rawmk4
01_44.rawmk4	03_12.rawmk4	18_23.rawmk4	20_30.rawmk4	c19_50.rawmk4
01_47.rawmk4	03_15.rawmk4	18_26.rawmk4	20_33.rawmk4	c19_56.rawmk4
01_50.rawmk4	03_18.rawmk4	18_29.rawmk4	20_36.rawmk4	
01_53.rawmk4	03_21.rawmk4	18_32.rawmk4	20_39.rawmk4	