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Mauna Loa Solar Observatory Observer's Log  
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Mon Dec 10 17:09:31 GMT 2001

Year: 01 Doy: 344

Observer: yasukawa

WEATHER COMMENT: Mon Dec 10 17:10:00 GMT 2001

Cool, clear, south wind.

Mon Dec 10 17:17:03 GMT 2001 CHIP Start Patrol

Mon Dec 10 17:17:24 GMT 2001 PICS Start Patrol

Mon Dec 10 17:17:58 GMT 2001 MKIV Start Patrol

PSPT COMMENT: Mon Dec 10 17:29:25 GMT 2001

Started PSPT observations.

**\*\*PICS PROBLEM\*\***: Mon Dec 10 17:38:44 GMT 2001

Automatic dome rotator must have started out slightly domed out so it did not engage properly. PICS slowly got domed out. Reset ADR.

**\*\*PICS PROBLEM\*\***: Mon Dec 10 17:51:39 GMT 2001

Looks like PICS filter wheel is not working. Disk images look vignetted and "dark". Control panel, MCC status module, and disk image all indicate that the filter wheel is not turning and is stuck at 6563 station.

Previous repair indicated wheel was slipping on shaft and Darryl tightened setscrew and secured it with Loctite. I will check mechanism a little later on in the morning after I get a few more observations as this work will

jar the spar around quite a bit.

Mon Dec 10 18:00:59 GMT 2001 CHIP LSD

Mon Dec 10 18:01:53 GMT 2001 PICS Flat

Mon Dec 10 18:03:15 GMT 2001 CHIP End LSD

Mon Dec 10 18:03:29 GMT 2001 CHIP BiasLSD

Mon Dec 10 18:04:23 GMT 2001 CHIP End BiasLSD

Mon Dec 10 18:04:34 GMT 2001 CHIP Bias

Mon Dec 10 18:05:09 GMT 2001 PICS End Flat

Mon Dec 10 18:05:34 GMT 2001 MKIV End Patrol

Mon Dec 10 18:05:29 GMT 2001 CHIP End Bias

Mon Dec 10 18:05:45 GMT 2001 MKIV Start Cal

Mon Dec 10 18:24:33 GMT 2001 MKIV End Cal

Mon Dec 10 18:24:44 GMT 2001 MKIV Start Patrol

**\*\*PICS PROBLEM\*\***: Mon Dec 10 18:39:21 GMT 2001

Stopping PICS to work on filter wheel problem.

Mon Dec 10 19:00:56 GMT 2001 CHIP LSD

Mon Dec 10 19:03:17 GMT 2001 CHIP End LSD

Mon Dec 10 19:03:29 GMT 2001 CHIP BiasLSD

Mon Dec 10 19:04:17 GMT 2001 CHIP End BiasLSD

Mon Dec 10 19:04:30 GMT 2001 CHIP Bias

Mon Dec 10 19:05:24 GMT 2001 CHIP End Bias

**\*\*PICS PROBLEM\*\***: Mon Dec 10 19:43:46 GMT 2001

Removed filter wheel assembly to work on set screws on workbench.

Set screw was loose on shaft. Tightened it and tested assembly.

Reinstalled and tested with hand terminal. Reinstalled covers.

Mon Dec 10 19:47:37 GMT 2001 PICS Start Patrol  
 \*\*PICS PROBLEM\*\*: Mon Dec 10 19:48:50 GMT 2001  
 Disk image much improved. Decreased display gain from 2 back to 1 again.  
 Control panel no longer timing out when changing to Clear, MCC filter  
 wheel status LEDs now changing again.  
 Mon Dec 10 20:01:01 GMT 2001 CHIP LSD  
 Mon Dec 10 20:03:16 GMT 2001 CHIP End LSD  
 Mon Dec 10 20:03:28 GMT 2001 CHIP BiasLSD  
 Mon Dec 10 20:04:18 GMT 2001 CHIP End BiasLSD  
 Mon Dec 10 20:04:26 GMT 2001 CHIP Bias  
 Mon Dec 10 20:05:09 GMT 2001 CHIP End Bias  
 PSPT COMMENT: Mon Dec 10 20:08:02 GMT 2001  
 Stopped PSPT at 1957 UT to check file naming conventions and look for  
 possible filenames in the /PSPT directory for Alice. Restarted observing  
 at 2007 UT.  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 20:11:29 GMT 2001  
 Restart failed trying to center image. Killed RunPspt.pro and restarted.  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 20:21:13 GMT 2001  
 PSPT crashed again trying to center image. Checked pointing, that was OK.  
 Killed runPspt.pro again, this time I did an init sys on PC before  
 restarting.  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 20:28:50 GMT 2001  
 This time dome ran to wrong location and things stalled again.  
 Shutting down and restarting.  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 20:37:39 GMT 2001  
 Had to manually point spar and dome to shutdown locations, reinitialized PC's  
 pspt program, then restarted (Start-up) PSPT.  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 20:46:14 GMT 2001  
 Running dome manually. Turned dome ephemeris off for today. Need to do  
 an ephemcal.  
 Mon Dec 10 21:01:08 GMT 2001 CHIP LSD  
 Mon Dec 10 21:03:21 GMT 2001 CHIP End LSD  
 Mon Dec 10 21:03:32 GMT 2001 CHIP BiasLSD  
 Mon Dec 10 21:04:15 GMT 2001 CHIP End BiasLSD  
 Mon Dec 10 21:04:26 GMT 2001 CHIP Bias  
 Mon Dec 10 21:05:11 GMT 2001 CHIP End Bias  
 \*\*PSPT PROBLEM\*\*: Mon Dec 10 21:46:04 GMT 2001  
 Stopped observations. Running a dome ephemeris calibration.  
 Mon Dec 10 22:01:00 GMT 2001 CHIP LSD  
 PSPT COMMENT: Mon Dec 10 22:02:45 GMT 2001  
 Testing after dome ephm dome. May need to do gdr ephmcal too, spar did not  
 find sun.  
 Mon Dec 10 22:03:18 GMT 2001 CHIP End LSD  
 Mon Dec 10 22:03:30 GMT 2001 CHIP BiasLSD  
 Mon Dec 10 22:03:52 GMT 2001 MKIV End Patrol  
 Mon Dec 10 22:04:17 GMT 2001 CHIP End BiasLSD  
 Mon Dec 10 22:04:32 GMT 2001 CHIP Bias  
 Mon Dec 10 22:05:21 GMT 2001 CHIP End Bias

Mon Dec 10 22:06:22 GMT 2001 PICS End Patrol  
Mon Dec 10 22:07:30 GMT 2001 CHIP End Patrol

\*\*PSPT PROBLEM\*\* Mon Dec 10 22:17:27 GMT 2001

Stopped observation. Running gdr ephmcal

Mon Dec 10 22:17:59 GMT 2001

MkIV

17_18.rawmk4	18_24.rawmk4	19_20.rawmk4	20_20.rawmk4	21_16.rawmk4
17_21.rawmk4	18_27.rawmk4	19_23.rawmk4	20_23.rawmk4	21_19.rawmk4
17_23.rawmk4	18_30.rawmk4	19_26.rawmk4	20_26.rawmk4	21_22.rawmk4
17_26.rawmk4	18_33.rawmk4	19_29.rawmk4	20_29.rawmk4	21_25.rawmk4
17_29.rawmk4	18_36.rawmk4	19_32.rawmk4	20_32.rawmk4	21_28.rawmk4
17_32.rawmk4	18_39.rawmk4	19_35.rawmk4	20_35.rawmk4	21_31.rawmk4
17_35.rawmk4	18_42.rawmk4	19_38.rawmk4	20_38.rawmk4	21_33.rawmk4
17_38.rawmk4	18_45.rawmk4	19_41.rawmk4	20_40.rawmk4	21_36.rawmk4
17_41.rawmk4	18_48.rawmk4	19_44.rawmk4	20_43.rawmk4	21_39.rawmk4
17_44.rawmk4	18_51.rawmk4	19_47.rawmk4	20_46.rawmk4	21_42.rawmk4
17_47.rawmk4	18_54.rawmk4	19_50.rawmk4	20_49.rawmk4	21_45.rawmk4
17_50.rawmk4	18_57.rawmk4	19_53.rawmk4	20_52.rawmk4	21_48.rawmk4
17_53.rawmk4	19_00.rawmk4	19_55.rawmk4	20_55.rawmk4	21_51.rawmk4
17_56.rawmk4	19_03.rawmk4	19_58.rawmk4	20_58.rawmk4	21_54.rawmk4
17_59.rawmk4	19_05.rawmk4	20_01.rawmk4	21_01.rawmk4	21_57.rawmk4
18_02.rawmk4	19_08.rawmk4	20_04.rawmk4	21_04.rawmk4	22_00.rawmk4
18_08.rawmk4	19_11.rawmk4	20_07.rawmk4	21_07.rawmk4	c18_05.rawmk4
18_14.rawmk4	19_14.rawmk4	20_13.rawmk4	21_10.rawmk4	c18_11.rawmk4
18_21.rawmk4	19_17.rawmk4	20_17.rawmk4	21_13.rawmk4	c18_18.rawmk4