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Mauna Loa Solar Observatory Observer's Log  
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Tue Aug 31 17:30:38 GMT 2010

Year: 10 Doy: 243

Observer: koon

WEATHER COMMENT: Tue Aug 31 17:30:40 GMT 2010

Clear sky, wind=5mph from the SE, temp=50F

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

Tue Aug 31 17:36:05 GMT 2010 H-ALPHA Start Patrol

Tue Aug 31 17:36:22 GMT 2010 MKIV Start Patrol

Tue Aug 31 17:38:34 GMT 2010 CHIP Start Patrol

\*\*PSPT PROBLEM COMMENT BY DARRYL\*\* : Tue Aug 31 18:00:10 GMT 2010

Ron is sending me a new processor card for the PC, later they may send out the rest of the spare PC and the spare Sparc for us to have on hand for troubleshooting and fixing those computers currently in use here at MLSO.

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

Tue Aug 31 18:06:03 GMT 2010 CHIP End Patrol

\*\*CHIP PROBLEM COMMENT BY DARRYL\*\* : Tue Aug 31 18:24:47 GMT 2010

Typical crash, but it looks like one set of wavelength changes happened before the crash. Crash happens after Sparc attempts "WaitOptics" in the Patrol program, alakai reports a "Bus Error" soon after the first wavelength in a series of 7 for a loop of exposures. I think the crash happens while alakai is trying to change the LCVR in the Lyot filter, it seems like either it doesn't get there or there is a problem waiting for it to get to the commanded wavelength. I wish I could find a way to tell where the wavelength is currently set so I can see if it changed to the commanded wavelength. If I'm interpreting the alakai messages correctly it looks like alakai gets the next commanded wavelength from Kii but doesn't send the command to the LCVR receiver ("1081" in the alakai messages?), meanwhile Kii is waiting for alakai to acknowledge the wavelength change ("WaitOptics") before it can go on to taking 2 exposures at that wavelength ("SendCameraCommand"). Will do a pau, kill processes, reset alakai, run.

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

Tue Aug 31 19:22:03 GMT 2010 CHIP Start Patrol

NOTE BY DARRYL: Tue Aug 31 20:25:41 GMT 2010

Adjusted dome slot.

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

\*\*GENERAL PROBLEM COMMENT BY DARRYL\*\* : Tue Aug 31 20:25:57 GMT 2010

I bought and installed a new low current charger for the battery in the main dome lift. It is in the battery tray and now easily visible from normal orientation of lift, instructions and status lights are on the case, just need to plug in until it shows full charge whenever we notice that the lift is getting sluggish, then unplug until next time. Also adjusted battery electrolyte level with distilled water.

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

Tue Aug 31 21:15:11 GMT 2010 MKIV End Patrol

Tue Aug 31 21:15:17 GMT 2010 MKIV Start Cal  
Tue Aug 31 21:34:02 GMT 2010 MKIV End Cal  
Tue Aug 31 21:34:07 GMT 2010 MKIV Start Patrol

WEATHER COMMENT: Tue Aug 31 21:44:32 GMT 2010  
Low clouds are passing over.

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

Tue Aug 31 23:01:37 GMT 2010 CHIP LSD  
PSPT COMMENT BY DARRYL: Tue Aug 31 23:01:15 GMT 2010

I got an RMA number from Vincent Associates and packed up the 2 shutters that are in need of repair, I will FedEx those this afternoon.

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

MKIV COMMENT BY DARRYL: Tue Aug 31 23:02:39 GMT 2010  
Pausing due to clouds.

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

Tue Aug 31 23:03:36 GMT 2010 CHIP End LSD  
Tue Aug 31 23:03:44 GMT 2010 CHIP BiasLSD  
Tue Aug 31 23:04:21 GMT 2010 CHIP End BiasLSD  
Tue Aug 31 23:04:30 GMT 2010 CHIP Bias  
Tue Aug 31 23:05:02 GMT 2010 CHIP End Bias  
Tue Aug 31 23:05:15 GMT 2010 CHIP ReStart Patrol  
Tue Aug 31 23:08:32 GMT 2010 MKIV End Patrol  
Tue Aug 31 23:11:56 GMT 2010 CHIP End Patrol

WEATHER COMMENT: Tue Aug 31 23:12:02 GMT 2010  
Pausing rest of instruments due to clouds.

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

Tue Aug 31 23:14:24 GMT 2010 H-ALPHA End Patrol  
Tue Aug 31 23:19:12 GMT 2010

MkIV

17_36.rawmk4	18_44.rawmk4	19_55.rawmk4	21_03.rawmk4	22_21.rawmk4
17_39.rawmk4	18_47.rawmk4	19_58.rawmk4	21_06.rawmk4	22_24.rawmk4
17_42.rawmk4	18_49.rawmk4	20_01.rawmk4	21_08.rawmk4	22_26.rawmk4
17_45.rawmk4	18_52.rawmk4	20_04.rawmk4	21_12.rawmk4	22_29.rawmk4
17_48.rawmk4	18_55.rawmk4	20_07.rawmk4	21_18.rawmk4	22_32.rawmk4
17_51.rawmk4	18_58.rawmk4	20_10.rawmk4	21_24.rawmk4	22_35.rawmk4
17_54.rawmk4	19_01.rawmk4	20_13.rawmk4	21_30.rawmk4	22_38.rawmk4
17_57.rawmk4	19_04.rawmk4	20_16.rawmk4	21_34.rawmk4	22_41.rawmk4
18_00.rawmk4	19_07.rawmk4	20_19.rawmk4	21_37.rawmk4	22_44.rawmk4
18_02.rawmk4	19_10.rawmk4	20_21.rawmk4	21_40.rawmk4	22_47.rawmk4
18_05.rawmk4	19_13.rawmk4	20_24.rawmk4	21_42.rawmk4	22_50.rawmk4
18_08.rawmk4	19_16.rawmk4	20_27.rawmk4	21_45.rawmk4	22_53.rawmk4
18_11.rawmk4	19_19.rawmk4	20_30.rawmk4	21_48.rawmk4	22_56.rawmk4
18_14.rawmk4	19_22.rawmk4	20_33.rawmk4	21_51.rawmk4	22_59.rawmk4
18_17.rawmk4	19_25.rawmk4	20_36.rawmk4	21_54.rawmk4	23_02.rawmk4
18_20.rawmk4	19_28.rawmk4	20_39.rawmk4	21_57.rawmk4	23_05.rawmk4
18_23.rawmk4	19_31.rawmk4	20_42.rawmk4	22_00.rawmk4	c21_15.rawmk4
18_26.rawmk4	19_34.rawmk4	20_45.rawmk4	22_03.rawmk4	c21_21.rawmk4
18_29.rawmk4	19_37.rawmk4	20_48.rawmk4	22_06.rawmk4	c21_27.rawmk4

18_32.rawmk4	19_39.rawmk4	20_51.rawmk4	22_09.rawmk4
18_35.rawmk4	19_42.rawmk4	20_54.rawmk4	22_12.rawmk4
18_38.rawmk4	19_45.rawmk4	20_57.rawmk4	22_15.rawmk4
18_41.rawmk4	19_51.rawmk4	21_00.rawmk4	22_18.rawmk4