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Mauna Loa Solar Observatory Observer's Log  
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Sun Feb 3 17:46:43 GMT 2002

Year: 02 Doy: 034

Observer: koon

Sun Feb 3 17:53:23 GMT 2002 MKIV Start Patrol

WEATHER COMMENT: Sun Feb 3 17:46:45 GMT 2002

Clear sky, wind=5 mph from the West, temp=36 F.

Sun Feb 3 17:55:20 GMT 2002 CHIP Start Patrol

Sun Feb 3 17:55:30 GMT 2002 PICS Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Feb 3 18:01:57 GMT 2002

Sun Feb 3 18:02:58 GMT 2002 CHIP LSD

Sun Feb 3 18:05:22 GMT 2002 CHIP End LSD

Sun Feb 3 18:05:38 GMT 2002 CHIP BiasLSD

Sun Feb 3 18:06:37 GMT 2002 CHIP End BiasLSD

Sun Feb 3 18:06:52 GMT 2002 CHIP Bias

Sun Feb 3 18:07:49 GMT 2002 CHIP End Bias

Sun Feb 3 18:09:42 GMT 2002 PICS Start Patrol

\*\*PICS PROBLEM\*\*: Sun Feb 3 18:09:35 GMT 2002

It looked like the objective wheel was spinning a lot and no positions were being indicated though the Home LED was functioning. Then the program stalled. I restarted it now.

PSPT COMMENT: Sun Feb 3 18:18:03 GMT 2002

Observing.

\*\*PICS PROBLEM\*\*: Sun Feb 3 18:18:32 GMT 2002

After doing a Kill/Run cycle the objective wheel no longer is rotated until a timeout after each limb or disk image, and the position indicating LEDs are working.

PICS COMMENT: Sun Feb 3 18:24:25 GMT 2002

So far the images all look beautifully sharp, there are the same tiny specks of dust on the image that I couldn't remove yesterday but no large dust like before I worked on it yesterday. I may leave the focus alone and try removing the dust later on.

\*\*MKIV PROBLEM\*\*: Sun Feb 3 18:30:45 GMT 2002

The corona looks faint compared to normal, it was faint yesterday too. Maybe those Corrects changed some kind of brightness scaling?

Sun Feb 3 18:35:07 GMT 2002 MKIV End Patrol

Sun Feb 3 18:35:18 GMT 2002 MKIV Start Cal

\*\*PSPT PROBLEM\*\*: Sun Feb 3 18:37:07 GMT 2002

Images aren't centered in this sequence, they are shifted to the upper right, and the active mirror isn't on. I'll let it run to see what happens, right now it is running and taking uncentered images.

\*\*PSPT PROBLEM\*\*: Sun Feb 3 18:41:02 GMT 2002

The images are now centered and the active mirror is on.

Sun Feb 3 18:54:01 GMT 2002 MKIV End Cal

Sun Feb 3 18:54:11 GMT 2002 MKIV Start Patrol

Sun Feb 3 19:03:03 GMT 2002 CHIP LSD

Sun Feb 3 19:05:17 GMT 2002 CHIP End LSD  
 Sun Feb 3 19:05:26 GMT 2002 CHIP BiasLSD  
 Sun Feb 3 19:06:17 GMT 2002 CHIP End BiasLSD  
 Sun Feb 3 19:06:30 GMT 2002 CHIP Bias  
 Sun Feb 3 19:07:29 GMT 2002 CHIP End Bias  
 \*\*PSPT PROBLEM\*\* Sun Feb 3 19:51:56 GMT 2002  
 Stalled at 1922 while centering image, pressed "Enter" key on PC to fix.  
 Sun Feb 3 20:00:11 GMT 2002 CHIP LSD  
 Sun Feb 3 20:02:36 GMT 2002 CHIP End LSD  
 Sun Feb 3 20:02:49 GMT 2002 CHIP BiasLSD  
 Sun Feb 3 20:03:35 GMT 2002 CHIP End BiasLSD  
 Sun Feb 3 20:03:51 GMT 2002 CHIP Bias  
 Sun Feb 3 20:04:42 GMT 2002 CHIP End Bias  
 \*\*PSPT PROBLEM\*\* Sun Feb 3 20:09:14 GMT 2002  
 Stalled and fixed it the same as last time.  
 PICS COMMENT: Sun Feb 3 20:10:17 GMT 2002  
 Pausing to try to clear dust better.  
 Sun Feb 3 20:13:46 GMT 2002 PICS End Patrol  
 \*\*PSPT PROBLEM\*\* Sun Feb 3 20:34:56 GMT 2002  
 Same stall and fix as last time, 2027 UT.  
 PICS COMMENT: Sun Feb 3 20:42:51 GMT 2002  
 OK, that's the best I can make it with the airbrush blower, I don't think  
 anything changed, but it was good to begin with. So PICS is now focused and  
 cleared of dust on the CCD.  
 Sun Feb 3 21:00:21 GMT 2002 CHIP LSD  
 Sun Feb 3 21:02:09 GMT 2002 PICS Start Patrol  
 Sun Feb 3 21:02:26 GMT 2002 CHIP End LSD  
 Sun Feb 3 21:02:41 GMT 2002 CHIP BiasLSD  
 Sun Feb 3 21:03:29 GMT 2002 CHIP End BiasLSD  
 Sun Feb 3 21:03:38 GMT 2002 CHIP Bias  
 Sun Feb 3 21:04:20 GMT 2002 CHIP End Bias  
 COMMENT: Sun Feb 3 21:04:24 GMT 2002  
 The spar was off the sun a lot while I closed up the PICS covers. Guiding  
 should be normal for the rest of the day now.  
 Sun Feb 3 22:00:06 GMT 2002 CHIP LSD  
 Sun Feb 3 22:02:27 GMT 2002 CHIP End LSD  
 Sun Feb 3 22:02:40 GMT 2002 CHIP BiasLSD  
 Sun Feb 3 22:03:29 GMT 2002 CHIP End BiasLSD  
 Sun Feb 3 22:03:39 GMT 2002 CHIP Bias  
 Sun Feb 3 22:04:29 GMT 2002 CHIP End Bias  
 Sun Feb 3 22:21:08 GMT 2002 CHIP End Patrol  
 Sun Feb 3 22:22:47 GMT 2002 PICS End Patrol  
 Sun Feb 3 22:24:41 GMT 2002 MKIV End Patrol  
 Sun Feb 3 22:31:45 GMT 2002

MkIV

17\_53.rawmk4 18\_57.rawmk4 19\_53.rawmk4 20\_49.rawmk4 21\_46.rawmk4  
 17\_56.rawmk4 19\_00.rawmk4 19\_56.rawmk4 20\_52.rawmk4 21\_49.rawmk4

17_59.rawmk4	19_03.rawmk4	19_59.rawmk4	20_55.rawmk4	21_52.rawmk4
18_02.rawmk4	19_05.rawmk4	20_02.rawmk4	20_58.rawmk4	21_54.rawmk4
18_05.rawmk4	19_08.rawmk4	20_05.rawmk4	21_01.rawmk4	21_57.rawmk4
18_08.rawmk4	19_14.rawmk4	20_08.rawmk4	21_04.rawmk4	22_00.rawmk4
18_11.rawmk4	19_18.rawmk4	20_11.rawmk4	21_07.rawmk4	22_03.rawmk4
18_14.rawmk4	19_21.rawmk4	20_14.rawmk4	21_09.rawmk4	22_06.rawmk4
18_17.rawmk4	19_24.rawmk4	20_17.rawmk4	21_12.rawmk4	22_09.rawmk4
18_19.rawmk4	19_27.rawmk4	20_20.rawmk4	21_18.rawmk4	22_12.rawmk4
18_22.rawmk4	19_30.rawmk4	20_23.rawmk4	21_22.rawmk4	22_15.rawmk4
18_25.rawmk4	19_33.rawmk4	20_26.rawmk4	21_25.rawmk4	22_18.rawmk4
18_28.rawmk4	19_36.rawmk4	20_29.rawmk4	21_28.rawmk4	22_21.rawmk4
18_31.rawmk4	19_39.rawmk4	20_32.rawmk4	21_31.rawmk4	c18_35.rawmk4
18_38.rawmk4	19_42.rawmk4	20_35.rawmk4	21_34.rawmk4	c18_41.rawmk4
18_44.rawmk4	19_45.rawmk4	20_38.rawmk4	21_37.rawmk4	c18_47.rawmk4
18_50.rawmk4	19_48.rawmk4	20_41.rawmk4	21_40.rawmk4	
18_54.rawmk4	19_51.rawmk4	20_44.rawmk4	21_43.rawmk4	