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Mauna Loa Solar Observatory Observer's Log  
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Tue Feb 15 17:27:31 GMT 2005

Year: 05 Doy: 046

Observer: koon

Tue Feb 15 17:32:02 GMT 2005 MKIV Start Patrol

Tue Feb 15 17:32:30 GMT 2005 CHIP Start Patrol

Tue Feb 15 17:32:48 GMT 2005 PICS Start Patrol

WEATHER COMMENT: Tue Feb 15 17:27:31 GMT 2005

Clear sky, wind=5 mph from the SSE, temp=39F.

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

MKIV COMMENT: Tue Feb 15 17:35:21 GMT 2005

Centered occulting.

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

PSPT COMMENT: Tue Feb 15 17:53:55 GMT 2005

Observing.

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

Tue Feb 15 18:00:18 GMT 2005 PICS Flat

Tue Feb 15 18:02:37 GMT 2005 PICS End Flat

Tue Feb 15 18:02:44 GMT 2005 PICS ReStart Patrol

Tue Feb 15 18:02:46 GMT 2005 CHIP LSD

Tue Feb 15 18:04:35 GMT 2005 CHIP End LSD

Tue Feb 15 18:04:51 GMT 2005 CHIP BiasLSD

Tue Feb 15 18:05:45 GMT 2005 CHIP End BiasLSD

Tue Feb 15 18:05:54 GMT 2005 CHIP Bias

Tue Feb 15 18:06:46 GMT 2005 CHIP End Bias

Tue Feb 15 18:06:53 GMT 2005 CHIP ReStart Patrol

MKIV COMMENT: Tue Feb 15 18:18:55 GMT 2005

Centered occulting.

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

Tue Feb 15 18:19:36 GMT 2005 MKIV End Patrol

Tue Feb 15 18:19:44 GMT 2005 MKIV Start Cal

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue Feb 15 18:27:43 GMT 2005

Tue Feb 15 18:38:27 GMT 2005 MKIV End Cal

Tue Feb 15 18:38:34 GMT 2005 MKIV Start Patrol

\*\*PICS PROBLEM\*\* : Tue Feb 15 21:02:38 GMT 2005

At 2010 UT I did several iterations of timing the properly functioning movements of the occulting wheel and the Halle filter stage, and checked the timing of the software. Davis recently installed a 20 second timeout to continue the observing sequence incase the Halle filter (and hopefully the occulting wheel too) doesn't make it to its correct position, if a signal indicating the correct wheel or stage position doesn't get to the observing program within 20 seconds then the program wait will timeout and continue with the sequence. There is a 20 second delay between each of the following sets of events shown in the PICS Status window fields: "Program:H-alpha.disk" to "Camera:Busy" and "Program:H-alpha.limb" to "Camera:Busy", could this be the 20 second delay David added? It seems like it should be shorter for

one interval because it takes 18 seconds for the Occulting wheel to go from "Occulting" to "Clear" but only 9 seconds to go the other way. It takes 7 seconds for the Halle filter to go in or out.

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

\*\*PICS PROBLEM\*\* : Tue Feb 15 22:35:04 GMT 2005

At 2200 UT I redid the timing tests noted earlier with the same results.

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

MKIV COMMENT: Tue Feb 15 22:36:13 GMT 2005

Centered occulting.

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

\*\*PSPT PROBLEM\*\* : Tue Feb 15 23:21:45 GMT 2005

Crashed at 2240 "Taking CaK image", kill runPspt.pro and restarted.

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

COMMENT: Tue Feb 15 23:22:19 GMT 2005

Spar bumped ladder, reset pointing.

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

MKIV COMMENT: Tue Feb 15 23:45:38 GMT 2005

Centered occulting.

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

\*\*PICS PROBLEM\*\* : Wed Feb 16 00:09:35 GMT 2005

I just finished another 2 sets of checking the mechanism and program timing. Halle In and Out takes 7 seconds like before, Occulting wheel In is 17 to 18 seconds and Out is 8 to 9 seconds - like before. Timing is 20 seconds from Program:H-alpha.disk/limb to Camera:Busy, same for both and same as before. No bad images yet either.

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

\*\*PICS PROBLEM\*\* : Wed Feb 16 01:18:08 GMT 2005

Did the timing checks again, all numbers are the same, no slowdown, no bad images either.

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

MKIV COMMENT: Wed Feb 16 01:41:16 GMT 2005

Centered occulting.

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

Wed Feb 16 02:24:31 GMT 2005

MKIV End Patrol

Wed Feb 16 02:24:23 GMT 2005

CHIP End Patrol

Wed Feb 16 02:55:19 GMT 2005

MkIV

00_00.rawmk4	01_45.rawmk4	18_50.rawmk4	20_36.rawmk4	22_25.rawmk4
00_03.rawmk4	01_48.rawmk4	18_53.rawmk4	20_39.rawmk4	22_28.rawmk4
00_06.rawmk4	01_51.rawmk4	18_56.rawmk4	20_41.rawmk4	22_31.rawmk4
00_09.rawmk4	01_54.rawmk4	18_59.rawmk4	20_44.rawmk4	22_34.rawmk4
00_12.rawmk4	01_57.rawmk4	19_02.rawmk4	20_47.rawmk4	22_37.rawmk4
00_14.rawmk4	02_00.rawmk4	19_04.rawmk4	20_50.rawmk4	22_40.rawmk4
00_17.rawmk4	02_03.rawmk4	19_07.rawmk4	20_53.rawmk4	22_43.rawmk4
00_20.rawmk4	02_06.rawmk4	19_10.rawmk4	20_59.rawmk4	22_46.rawmk4
00_23.rawmk4	02_09.rawmk4	19_13.rawmk4	21_03.rawmk4	22_49.rawmk4
00_26.rawmk4	02_12.rawmk4	19_16.rawmk4	21_06.rawmk4	22_51.rawmk4

00_29.rawmk4	02_15.rawmk4	19_19.rawmk4	21_09.rawmk4	22_54.rawmk4
00_32.rawmk4	02_18.rawmk4	19_22.rawmk4	21_12.rawmk4	22_57.rawmk4
00_35.rawmk4	02_21.rawmk4	19_25.rawmk4	21_15.rawmk4	23_00.rawmk4
00_38.rawmk4	17_32.rawmk4	19_28.rawmk4	21_18.rawmk4	23_03.rawmk4
00_41.rawmk4	17_35.rawmk4	19_31.rawmk4	21_20.rawmk4	23_06.rawmk4
00_44.rawmk4	17_38.rawmk4	19_34.rawmk4	21_23.rawmk4	23_09.rawmk4
00_47.rawmk4	17_40.rawmk4	19_37.rawmk4	21_26.rawmk4	23_12.rawmk4
00_50.rawmk4	17_43.rawmk4	19_40.rawmk4	21_29.rawmk4	23_15.rawmk4
00_53.rawmk4	17_46.rawmk4	19_43.rawmk4	21_32.rawmk4	23_18.rawmk4
00_56.rawmk4	17_49.rawmk4	19_46.rawmk4	21_35.rawmk4	23_21.rawmk4
00_58.rawmk4	17_52.rawmk4	19_49.rawmk4	21_38.rawmk4	23_24.rawmk4
01_01.rawmk4	17_55.rawmk4	19_52.rawmk4	21_41.rawmk4	23_27.rawmk4
01_04.rawmk4	17_58.rawmk4	19_54.rawmk4	21_44.rawmk4	23_30.rawmk4
01_07.rawmk4	18_01.rawmk4	19_57.rawmk4	21_47.rawmk4	23_35.rawmk4
01_10.rawmk4	18_04.rawmk4	20_00.rawmk4	21_50.rawmk4	23_39.rawmk4
01_13.rawmk4	18_07.rawmk4	20_03.rawmk4	21_53.rawmk4	23_42.rawmk4
01_16.rawmk4	18_10.rawmk4	20_06.rawmk4	21_56.rawmk4	23_45.rawmk4
01_19.rawmk4	18_13.rawmk4	20_09.rawmk4	21_59.rawmk4	23_48.rawmk4
01_22.rawmk4	18_16.rawmk4	20_12.rawmk4	22_02.rawmk4	23_51.rawmk4
01_25.rawmk4	18_22.rawmk4	20_15.rawmk4	22_05.rawmk4	23_54.rawmk4
01_28.rawmk4	18_28.rawmk4	20_18.rawmk4	22_07.rawmk4	23_57.rawmk4
01_31.rawmk4	18_35.rawmk4	20_21.rawmk4	22_10.rawmk4	c18_19.rawmk4
01_34.rawmk4	18_38.rawmk4	20_24.rawmk4	22_13.rawmk4	c18_25.rawmk4
01_37.rawmk4	18_41.rawmk4	20_27.rawmk4	22_16.rawmk4	c18_31.rawmk4
01_39.rawmk4	18_44.rawmk4	20_30.rawmk4	22_19.rawmk4	
01_42.rawmk4	18_47.rawmk4	20_33.rawmk4	22_22.rawmk4	