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Mauna Loa Solar Observatory Observer's Log  
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Tue Jun 13 16:20:27 GMT 2000

Year: 00 Doy: 165

Observer: yasukawa

WEATHER COMMENT: Tue Jun 13 16:20:54 GMT 2000

Cool, in broken cirrus, brisk west wind.

**\*\*LOW-L PROBLEM\*\***: Tue Jun 13 16:21:22 GMT 2000

L00721 found popped out this morning. It was around 60 files yesterday. There were 2 files on the backup blank tape in drive #1, no image on screen due to clouds on east horizon. Rewound tape in drive 1. Started lowl with L00722 in drive #0 after cleaning drive.

Tue Jun 13 16:26:50 GMT 2000 CHIP Startup--Initializing new tape

Tue Jun 13 16:27:11 GMT 2000 MKIV Start Patrol

Tue Jun 13 16:27:16 GMT 2000 PICS Start Patrol

**\*\*PICS PROBLEM\*\***: Tue Jun 13 16:27:25 GMT 2000

I will take a few loops of PICS data before stopping to repack occulting wheel motor gearbox with thinned grease. We will try to run with it until Greg sends out a replacement Siemon motor cannibalized from the dust cap unit that is in Boulder for redesign. Learned from archived drawings that the motor on the old 8-station filter wheel that was shipped to Boulder is a Pittman, not a Siemon.

Tue Jun 13 16:31:36 GMT 2000 CHIP CHIP Start 7 Passband Patrol

Tue Jun 13 16:43:40 GMT 2000 PICS End Patrol

COMMENT: Tue Jun 13 18:30:21 GMT 2000

Working on occulting wheel caused loss of guiding. Repointing.

Tue Jun 13 18:32:11 GMT 2000 PICS Start Patrol

**\*\*CHIP PROBLEM\*\***: Tue Jun 13 18:34:41 GMT 2000

CHIP image not centered due to guiding loss. Moved objective to default position manually.

**\*\*PICS PROBLEM\*\***: Tue Jun 13 18:40:11 GMT 2000

Cleaned and repacked occulting wheel motor and gearbox. Noise is coming from the motor bearings. Motor needs to be replaced at some time. It is quiet now, but will probably get noisy when it gets hot or after running for a while.

**\*\*CHIP PROBLEM\*\***: Tue Jun 13 18:45:07 GMT 2000

CHIP diffuser was also in for some reason. Just moved it out.

Tue Jun 13 18:58:52 GMT 2000 MKIV Start Patrol

**\*\*MKIV PROBLEM\*\***: Tue Jun 13 18:59:25 GMT 2000

xanim images hosed. Stopping to reset KCC.

WEATHER COMMENT: Tue Jun 13 19:03:05 GMT 2000

In altostratus.

PICS COMMENT: Tue Jun 13 19:03:23 GMT 2000

Occulting wheel motor sounds OK for now.

COMMENT: Tue Jun 13 19:05:33 GMT 2000

Stopping to reconfigure dome shutter while in altostratus and while KCC is rebooting.

Tue Jun 13 19:06:27 GMT 2000 PICS End Patrol  
 Tue Jun 13 19:07:58 GMT 2000 CHIP CHIP End Patrol  
 Tue Jun 13 19:15:19 GMT 2000 PICS Start Patrol  
 Tue Jun 13 19:15:19 GMT 2000 PICS Start Patrol  
 Tue Jun 13 19:18:21 GMT 2000 MKIV Start Patrol  
 WEATHER COMMENT: Tue Jun 13 19:38:44 GMT 2000  
 In orographic clouds.  
 Tue Jun 13 20:01:14 GMT 2000 CHIP Gain7  
 Tue Jun 13 20:09:56 GMT 2000 CHIP End Gain  
 Tue Jun 13 20:10:14 GMT 2000 CHIP Bias  
 Tue Jun 13 20:11:23 GMT 2000 CHIP End Bias  
 \*\*MKIV PROBLEM\*\*: Tue Jun 13 20:28:49 GMT 2000  
 Xanim stil hosed. Resetting KCC again, this time powering down/up KCC.  
 Tue Jun 13 20:34:54 GMT 2000 MKIV Start Patrol  
 WEATHER COMMENT: Tue Jun 13 20:40:06 GMT 2000  
 In thick orographic clouds.  
 \*\*MKIV PROBLEM\*\*: Tue Jun 13 20:40:47 GMT 2000  
 Power cycle fixed xanim. Needed to reset transformation board, not just KCC.  
 \*\*MKIV PROBLEM\*\*: Tue Jun 13 21:15:51 GMT 2000  
 Xanim images still look bad after that good one.  
 \*\*PICS PROBLEM\*\*: Tue Jun 13 21:31:16 GMT 2000  
 Occulting wheel motor is noisy again. Looks like we should replace  
 it as soon as we get the replacement from Greg. It was shipped out  
 today.  
 WEATHER COMMENT: Tue Jun 13 21:40:01 GMT 2000  
 In orographic clouds again.  
 Tue Jun 13 21:56:27 GMT 2000 PICS End Patrol  
 Tue Jun 13 21:59:37 GMT 2000 CHIP CHIP End Patrol  
 Tue Jun 13 22:02:53 GMT 2000 CHIP ending tape  
 COMMENT: Tue Jun 13 22:07:08 GMT 2000  
 Tapes:  
 MKIV: 00-165  
 PICS: P01775  
 CHIP: C01154  
 LOWL: L00722  
 Tue Jun 13 22:08:38 GMT 2000  
 MkIV

16_27.rawmk4	17_29.rawmk4	18_30.rawmk4	19_57.rawmk4	21_04.rawmk4
16_30.rawmk4	17_32.rawmk4	18_33.rawmk4	20_00.rawmk4	21_07.rawmk4
16_33.rawmk4	17_35.rawmk4	18_36.rawmk4	20_03.rawmk4	21_10.rawmk4
16_36.rawmk4	17_36.rawmk4	18_42.rawmk4	20_06.rawmk4	21_13.rawmk4
16_39.rawmk4	17_40.rawmk4	18_49.rawmk4	20_09.rawmk4	21_16.rawmk4
16_42.rawmk4	17_43.rawmk4	18_55.rawmk4	20_12.rawmk4	21_19.rawmk4
16_45.rawmk4	17_46.rawmk4	18_58.rawmk4	20_14.rawmk4	21_22.rawmk4
16_48.rawmk4	17_49.rawmk4	19_01.rawmk4	20_17.rawmk4	21_25.rawmk4
16_51.rawmk4	17_52.rawmk4	19_18.rawmk4	20_20.rawmk4	21_28.rawmk4
16_53.rawmk4	17_55.rawmk4	19_21.rawmk4	20_23.rawmk4	21_31.rawmk4

16_56.rawmk4	17_58.rawmk4	19_24.rawmk4	20_26.rawmk4	21_34.rawmk4
16_59.rawmk4	18_01.rawmk4	19_27.rawmk4	20_34.rawmk4	21_37.rawmk4
17_02.rawmk4	18_04.rawmk4	19_30.rawmk4	20_38.rawmk4	21_40.rawmk4
17_05.rawmk4	18_07.rawmk4	19_33.rawmk4	20_40.rawmk4	21_43.rawmk4
17_08.rawmk4	18_10.rawmk4	19_36.rawmk4	20_43.rawmk4	21_46.rawmk4
17_11.rawmk4	18_13.rawmk4	19_39.rawmk4	20_46.rawmk4	21_49.rawmk4
17_14.rawmk4	18_16.rawmk4	19_42.rawmk4	20_49.rawmk4	21_52.rawmk4
17_17.rawmk4	18_19.rawmk4	19_45.rawmk4	20_52.rawmk4	21_54.rawmk4
17_20.rawmk4	18_22.rawmk4	19_48.rawmk4	20_55.rawmk4	c18_39.rawmk4
17_23.rawmk4	18_25.rawmk4	19_51.rawmk4	20_58.rawmk4	c18_46.rawmk4
17_26.rawmk4	18_28.rawmk4	19_54.rawmk4	21_01.rawmk4	c18_52.rawmk4