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Mauna Loa Solar Observatory Observer's Log  
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Thu Mar 4 18:27:38 GMT 2010

Year: 10 Doy: 063

Observer: stueben

WEATHER COMMENT: Thu Mar 4 18:27:54 GMT 2010

Clear, wind southeast 5-10 mph, temp 45F.

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

PSPT COMMENT: Thu Mar 4 18:31:37 GMT 2010

Observing.

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

COMMENT: Thu Mar 4 18:56:44 GMT 2010

Allen and Darryl up here today. Cleaned Sky Trans and Guider telescope objectives, and various other areas.

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

\*\*MKIV PROBLEM\*\* : Thu Mar 4 18:57:39 GMT 2010

Had trouble removing O1 , too tight in mount for some reason, but did get it removed. Will clean and replace. Found bad connector on Analog Dalsa output, repair in progress.

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

Thu Mar 4 20:07:31 GMT 2010 MKIV Start Patrol

\*\*MKIV PROBLEM\*\* : Thu Mar 4 20:12:49 GMT 2010

We have a double-hump analog display downstairs again, the bad BNC connector at the "T" on the pier was the problem. The scans look a lot better digitally too, the O1 was filthy from all the activity upstairs lately.

We're done with mk4 for now, it is essentially the same as before the CoMP deployment as far as we can tell, it looks like the right hump can be improved with a little camera tweaking so I'll do that later when I have more time to work on it.

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

COMMENT: Thu Mar 4 20:17:19 GMT 2010

H-alpha telescope is observing and files are going to Kenobi.

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

COMMENT: Thu Mar 4 21:02:42 GMT 2010

Installed Auto-Dome-Rotator, testing in progress, I mounted it on the front of CHIP on that metal guard that looks like a handle.

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

Thu Mar 4 21:12:33 GMT 2010 MKIV End Patrol

Thu Mar 4 21:12:39 GMT 2010 MKIV Start Cal

Thu Mar 4 21:31:20 GMT 2010 MKIV End Cal

Thu Mar 4 21:31:26 GMT 2010 MKIV Start Patrol

COMMENT: Thu Mar 4 21:31:30 GMT 2010

ADR is working well so far.

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

Thu Mar 4 22:19:39 GMT 2010 CHIP Start Patrol

Thu Mar 4 22:22:53 GMT 2010 CHIP End Patrol

COMMENT: Thu Mar 4 22:33:36 GMT 2010

Shutter blocking instruments, extending dome slot.

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

Thu Mar 4 22:54:12 GMT 2010 MKIV End Patrol  
Thu Mar 4 23:44:08 GMT 2010 MKIV Start Patrol

COMMENT: Fri Mar 5 00:31:20 GMT 2010

HawTel guys came up for a site survey related to our request for more bandwidth for CoMP. We need 15 Mbaud.

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

Fri Mar 5 00:54:58 GMT 2010 MKIV End Patrol  
Fri Mar 5 01:09:30 GMT 2010 CHIP Start Patrol

CHIP COMMENT: Fri Mar 5 01:09:33 GMT 2010

Found and centered the image of the sun, set focus to 20670 (absolute) as requested by Joan, taking Patrol data now. Note

s: X absolute = -12400,

Y absolute = 14070; Camera touches filter at an absolute focus setting of 26060; moving X Down gives a smaller number and image moves down on screen; moving Y Down gives a smaller number and the image moves left on the screen; moving Focus to a larger number moves the camera closer to the filter;

the motor-mike for focus has a difficult time moving to numbers greater than about 20000 from a lower number because it is pushing the camera against a spring, and this is a problem even with the camera rail almost horizontal

as it is now in the late afternoon, so focusing can be a difficult thing

because the motor-mike struggles and you have to keep pressing the Run button on the Mike controller, during midday the motor-mike would struggle

even more because the weight of the camera would be added to the force of

the return spring; there was several big specks on the CCD so I carefully and lightly blew away some of them using the little compressor that we use on Mk4,

that helped a lot but there is still one speck visible in the lower left quadrant of the sun. Pau for now.

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

Fri Mar 5 01:24:59 GMT 2010 MKIV Start Patrol  
Fri Mar 5 01:27:25 GMT 2010 CHIP End Patrol

\*\*CHIP PROBLEM\*\*: Fri Mar 5 01:28:05 GMT 2010

Crashed doing a FixCenter, restarting.

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

Fri Mar 5 01:29:09 GMT 2010 CHIP Start Patrol  
Fri Mar 5 02:01:29 GMT 2010 MKIV End Patrol  
Fri Mar 5 02:10:33 GMT 2010 CHIP End Patrol  
Fri Mar 5 02:17:44 GMT 2010

MkIV

00_01.rawmk4	01_27.rawmk4	20_34.rawmk4	21_40.rawmk4	22_36.rawmk4
00_04.rawmk4	01_30.rawmk4	20_37.rawmk4	21_43.rawmk4	22_39.rawmk4
00_07.rawmk4	01_33.rawmk4	20_40.rawmk4	21_46.rawmk4	22_41.rawmk4
00_10.rawmk4	01_36.rawmk4	20_42.rawmk4	21_49.rawmk4	22_44.rawmk4
00_13.rawmk4	01_39.rawmk4	20_45.rawmk4	21_52.rawmk4	22_47.rawmk4
00_16.rawmk4	01_42.rawmk4	20_48.rawmk4	21_54.rawmk4	22_50.rawmk4
00_19.rawmk4	01_45.rawmk4	20_51.rawmk4	21_57.rawmk4	23_44.rawmk4
00_22.rawmk4	01_48.rawmk4	20_54.rawmk4	22_00.rawmk4	23_47.rawmk4
00_25.rawmk4	01_54.rawmk4	20_57.rawmk4	22_03.rawmk4	23_50.rawmk4

00_28.rawmk4	01_58.rawmk4	21_00.rawmk4	22_06.rawmk4	23_52.rawmk4
00_31.rawmk4	20_07.rawmk4	21_03.rawmk4	22_09.rawmk4	23_55.rawmk4
00_34.rawmk4	20_10.rawmk4	21_06.rawmk4	22_12.rawmk4	23_58.rawmk4
00_37.rawmk4	20_13.rawmk4	21_09.rawmk4	22_15.rawmk4	c21_12.rawmk4
00_40.rawmk4	20_16.rawmk4	21_15.rawmk4	22_18.rawmk4	c21_18.rawmk4
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00_45.rawmk4	20_22.rawmk4	21_27.rawmk4	22_24.rawmk4	
00_48.rawmk4	20_25.rawmk4	21_31.rawmk4	22_27.rawmk4	
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01_25.rawmk4	20_31.rawmk4	21_37.rawmk4	22_33.rawmk4	