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Mauna Loa Solar Observatory Observer's Log  
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Sat Jun 29 16:42:15 GMT 1996

Year: 96 Doy: 181

Observer: koon

WEATHER COMMENT: Sat Jun 29 16:42:22 GMT 1996

Medium to thin cirrostratus, wind=5 mph from the SSW, temp=46 F.

Sat Jun 29 16:42:59 GMT 1996 CHIP Startup--Initializing new tape

Sat Jun 29 16:46:41 GMT 1996 dPMon Start Patrol

Sat Jun 29 16:46:58 GMT 1996 CHIP CHIP Start Patrol

Sat Jun 29 16:57:55 GMT 1996 CHIP CHIP End Patrol

Sat Jun 29 17:02:33 GMT 1996 dPMon Flat

Sat Jun 29 17:03:24 GMT 1996 dPMon End Flat

CHIP COMMENT: Sat Jun 29 17:06:54 GMT 1996

Ol was way off in X-direction, ran Kill then Run to restart observing.

DPMON COMMENT: Sat Jun 29 17:12:49 GMT 1996

I can still see the streaks and dots that look like dust at a focus on the Display window image, but it is not evident in the Camera window image.

Could it be coming from the way the image is handled in the Display window?

Are those images calibrated whereas the Camera window images are raw?

DPMON COMMENT: Sat Jun 29 17:27:35 GMT 1996

Reading the CHIP manual reveals that for the CHIP (and dPMon?) the raw exposures are added and dark and gain corrections are made to them before they are displayed in the Display window. So there is probably something wrong with the dark or gain information being used, does this information change from day to day? I'll see if the streak and dots change sometime today.

Sat Jun 29 18:02:33 GMT 1996 dPMon Flat

Sat Jun 29 18:03:13 GMT 1996 dPMon End Flat

Sat Jun 29 18:03:21 GMT 1996 CHIP Bias

Sat Jun 29 18:04:33 GMT 1996 CHIP End Bias

Sat Jun 29 18:04:40 GMT 1996 CHIP Water

Sat Jun 29 18:05:18 GMT 1996 CHIP End Water

Sat Jun 29 19:02:28 GMT 1996 dPMon Flat

Sat Jun 29 19:03:09 GMT 1996 dPMon End Flat

Sat Jun 29 19:04:51 GMT 1996 CHIP Bias

Sat Jun 29 19:05:54 GMT 1996 CHIP End Bias

Sat Jun 29 19:06:04 GMT 1996 CHIP Water

Sat Jun 29 19:06:42 GMT 1996 CHIP End Water

DPMON COMMENT: Sat Jun 29 19:54:17 GMT 1996

Something looks strange when the disk image is taken. There is a bright area near the top of the image that looks like a light leak or an optical wheel may not have made it completely to a position. Checking the Daystar and filter wheel and occulting wheel in the dome shows no problems.

ater

Sat Jun 29 20:08:06 GMT 1996 CHIP End Water

Sat Jun 29 20:14:28 GMT 1996 dPMon End Patrol

Sat Jun 29 20:30:28 GMT 1996 dPMon Start Patrol  
DPMON COMMENT: Sat Jun 29 20:32:35 GMT 1996  
Paused program for a while to check disk images for the problem mentioned  
before, but can't find a good way to get single disk images on the display  
window. Started up Patrol and now I don't see the problem anymore, strange.  
COMMENT: Sat Jun 29 20:34:18 GMT 1996  
Extended the dome slot 5-10 minutes ago.  
WEATHER COMMENT: Sat Jun 29 20:35:21 GMT 1996  
Clouds are getting thicker.  
MKIII COMMENT: Sat Jun 29 20:35:35 GMT 1996  
Still haven't got any good data due to constant clouds.  
Sat Jun 29 20:56:56 GMT 1996 dPMon End Patrol  
COMMENT: Sat Jun 29 20:57:09 GMT 1996  
Pausing instruments due to thick cloud cover, spar isn't tracking.  
Sat Jun 29 20:58:05 GMT 1996 CHIP CHIP End Patrol  
Sat Jun 29 21:41:42 GMT 1996 CHIP ending tape  
WEATHER COMMENT: Sat Jun 29 21:49:28 GMT 1996  
Hailing outside, dome was already closed, no more observing today.  
DPMON COMMENT: Sat Jun 29 21:50:45 GMT 1996  
I'll call David on Monday regarding the streak and dots on the Display  
window images.  
MKIII COMMENT: Sat Jun 29 22:48:57 GMT 1996  
Recycling today's tape since there wasn't any good scans due to clouds.  
COMMENT: Sat Jun 29 22:49:35 GMT 1996  
Activity report:  
QP: No prominences seen through constant cloud cover.  
No coronal activity seen through constant cloud cover.  
Content-Length: 66  
X-Lines: 5  
Status: RO

TAPES:  
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DPMON: P00650  
CHIP: C00067  
LOWL: L00401 in drive #0