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Mauna Loa Solar Observatory Observer's Log  
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Sat Mar 22 17:13:55 GMT 1997

Year: 97 Doy: 081

Observer: koon

WEATHER COMMENT: Sat Mar 22 17:14:01 GMT 1997

Clear sky, wind=15 mph from the South, temp=38 F.

Sat Mar 22 17:14:39 GMT 1997 CHIP Startup--Initializing new tape

Sat Mar 22 17:18:49 GMT 1997 dPMon Start Patrol

Sat Mar 22 17:18:49 GMT 1997 CHIP CHIP Start Patrol

Sat Mar 22 17:33:51 GMT 1997 dPMon Start Patrol

DPMON COMMENT: Sat Mar 22 17:42:46 GMT 1997

Display gain looks funny, can't see a dark sky around the limb. I tried moving the Objective wheel, it works, caused program to stall though and I had to run Kill/Run to clear it. Tried changing the display gain from 2 (normal setting) to 16 and that improved it a little.

Sat Mar 22 18:00:59 GMT 1997 dPMon Flat

Sat Mar 22 18:01:56 GMT 1997 dPMon End Flat

Sat Mar 22 18:02:05 GMT 1997 CHIP Bias

Sat Mar 22 18:02:53 GMT 1997 CHIP End Bias

Sat Mar 22 18:03:04 GMT 1997 CHIP Water

Sat Mar 22 18:03:33 GMT 1997 CHIP End Water

DPMON COMMENT: Sat Mar 22 18:05:46 GMT 1997

Everything looks normal in the dome. I'm not sure why the display looks so different, maybe it is related to having the Camera Controller off overnight on Thursday due to the powerline work by the contractors.

DPMON COMMENT: Sat Mar 22 18:11:50 GMT 1997

The problem might be due to an oversize occulting disk, I will stop Patrol to experiment with other disks.

Sat Mar 22 18:12:55 GMT 1997 dPMon End Patrol

Sat Mar 22 18:38:11 GMT 1997 dPMon Start Patrol

Sat Mar 22 18:40:50 GMT 1997 dPMon End Patrol

Sat Mar 22 18:45:01 GMT 1997 dPMon Start Patrol

DPMON COMMENT: Sat Mar 22 18:53:17 GMT 1997

Changed occulting disk from 1991" to 1961", that helped but image still looks different, too dim? (even at a Display Gain of 16). The features on the disk and at the limb look normal though, it is just away from the limb that is different. Will leave it like that for now and see if things change in a few days.

Sat Mar 22 19:00:54 GMT 1997 dPMon Flat

Sat Mar 22 19:01:10 GMT 1997 CHIP Bias

Sat Mar 22 19:01:47 GMT 1997 dPMon End Flat

Sat Mar 22 19:02:01 GMT 1997 CHIP End Bias

Sat Mar 22 19:02:10 GMT 1997 CHIP Water

Sat Mar 22 19:02:44 GMT 1997 CHIP End Water

DPMON COMMENT: Sat Mar 22 19:25:45 GMT 1997

I tried changing the Camera Controller gain from 0 to 6 db and the image then looked like normal, I switched it back to 0 db. Its as if the gain has decreased somehow.

Sat Mar 22 20:00:58 GMT 1997 dPMon Flat

Sat Mar 22 20:01:52 GMT 1997 dPMon End Flat

Sat Mar 22 20:03:05 GMT 1997 CHIP Gain

Sat Mar 22 20:07:11 GMT 1997 CHIP End Gain

Sat Mar 22 20:07:23 GMT 1997 CHIP Bias

Sat Mar 22 20:08:07 GMT 1997 CHIP End Bias

Sat Mar 22 20:08:18 GMT 1997 CHIP Water

Sat Mar 22 20:08:48 GMT 1997 CHIP End Water

WEATHER COMMENT: Sat Mar 22 20:22:21 GMT 1997

Orographic clouds moving up from the East.

Sat Mar 22 20:55:52 GMT 1997 dPMon End Patrol

WEATHER COMMENT: Sat Mar 22 20:56:06 GMT 1997

Clouds keep getting thicker, stopping observations.

Sat Mar 22 20:57:22 GMT 1997 CHIP CHIP End Patrol

CHIP COMMENT: Sat Mar 22 20:56:37 GMT 1997

Unable to do the tests that David requested due to clouds (Spectrum scan and shutter exposure time test).

Sat Mar 22 21:40:05 GMT 1997 CHIP ending tape

COMMENT: Sat Mar 22 21:56:27 GMT 1997

Activity report:

QP: 105; 215-255; 293.

No coronal activity.

TAPES:

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MKIII: H01519

DPMON: P00847

CHIP: C00265

LOWL: L00446

SCAN-LOG

SCAN-LOG 17:19:25. 3/22/97 DOY 81

17:25:05	17:28:20	17:31:34	17:34:48	17:37:59
17:41:11	17:44:21	17:47:31	17:50:41	17:53:53
17:57:03	18:00:17	18:03:28	18:06:40	18:09:51
18:13:04	18:16:16	18:19:29	18:22:43	18:25:56
18:29:08	18:32:22	1839 0 CL	18:44:48	1849 15CL
18:57:43	19:02:51	19:06:04	19:09:19	19:12:31
19:15:44	19:18:57	19:22:10	19:25:23	19:28:36
19:31:51	19:35:11	19:38:23	19:41:37	19:44:49
19:48:03	19:51:16	19:54:30	19:57:43	20:00:57
20:04:13	20:07:29	20:10:43	20:13:58	20:17:11
20:20:27	20:23:43	20:27:05	20:30:20	20:33:37
20:36:52	20:40:08	20:43:23	20:46:40	20:49:55
20:53:11				

0 ERRORS

OK