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Mauna Loa Solar Observatory Observer's Log  
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Thu Sep 26 16:49:16 GMT 1996

Year: 96 Doy: 270

Observer: koon

WEATHER COMMENT: Thu Sep 26 16:49:21 GMT 1996

Clear sky, wind=5 mph from the West, temp=46 F.

Thu Sep 26 16:53:46 GMT 1996 dPMon Start Patrol  
Thu Sep 26 16:54:20 GMT 1996 CHIP CHIP Start Patrol  
Thu Sep 26 17:02:57 GMT 1996 dPMon Flat  
Thu Sep 26 17:03:52 GMT 1996 dPMon End Flat  
Thu Sep 26 17:04:27 GMT 1996 CHIP Bias  
Thu Sep 26 17:06:04 GMT 1996 CHIP End Bias  
Thu Sep 26 17:06:13 GMT 1996 CHIP Water  
Thu Sep 26 17:06:52 GMT 1996 CHIP End Water  
Thu Sep 26 17:11:31 GMT 1996 CHIP CHIP End Patrol  
Thu Sep 26 17:15:56 GMT 1996 CHIP CHIP Start Patrol  
Thu Sep 26 17:20:03 GMT 1996 CHIP CHIP End Patrol  
Thu Sep 26 17:24:21 GMT 1996 CHIP ending tape

CHIP COMMENT: Thu Sep 26 17:14:14 GMT 1996

The diffuser and dust cover were both in at start of observations, I couldn't remove them using the mouse, so I tried Kill/Run and that didn't work either. Will exit completely and then login again and take data to same tape since nothing is on it anyway.

Thu Sep 26 17:29:07 GMT 1996 CHIP Startup--Initializing new tape  
Thu Sep 26 17:31:14 GMT 1996 CHIP CHIP Start Patrol  
Thu Sep 26 17:35:19 GMT 1996 CHIP CHIP End Patrol  
Thu Sep 26 17:36:06 GMT 1996 dPMon End Patrol  
Thu Sep 26 17:38:43 GMT 1996 CHIP CHIP Start Patrol  
Thu Sep 26 17:56:40 GMT 1996 dPMon Start Patrol  
Thu Sep 26 18:17:35 GMT 1996 dPMon Start Patrol

CHIP COMMENT: Thu Sep 26 18:13:40 GMT 1996

I tried stopping CHIP and dPMon and cycling the switched power then starting observations but still have the problem with the dust cover not opening. I found out from David that the diffuser won't open until the dust cover is open, so the dust cover may be the only problem. Also tried to physically open the cover at the front of the telescope but it springs shut. It didn't seem as though the clutch was slipping although I can hear the motor turning when I use the mouse to try to open the cover. I'll use the remote terminal up in the dome to try to figure out what is going on.

DPMON COMMENT: Thu Sep 26 18:17:58 GMT 1996

Had to use Kill/Run to fix a stall with Program:Init

Thu Sep 26 19:02:45 GMT 1996 dPMon Flat  
Thu Sep 26 19:03:21 GMT 1996 dPMon End Flat  
Thu Sep 26 19:37:21 GMT 1996 CHIP CHIP Start Patrol

CHIP COMMENT: Thu Sep 26 19:36:04 GMT 1996

Finally fixed the problem with the dust cover, the clutch wasn't slipping

but the whole clutch assembly was slipping on the motor output shaft. I tightened the setscrew and tested the motor and limit switches for both the dust cover and the diffuser, all is well now. That remote keyboard sure comes in handy! The O1 is pointed wrong, pointing back manually.

Thu Sep 26 19:54:11 GMT 1996 dPMon End Patrol

DPMON COMMENT: Thu Sep 26 19:54:21 GMT 1996

It looks like the limb images aren't getting to tape because the images are being taken before the occulting disk is in place, so I think the images going to tape look like highly underocculted images. Trying Kill/Run to see if that clears the timing problem.

Thu Sep 26 19:58:39 GMT 1996 dPMon Start Patrol

Thu Sep 26 20:01:58 GMT 1996 dPMon Flat

DPMON COMMENT: Thu Sep 26 20:01:56 GMT 1996

OK, the limb images going to tape should be normal now.

Thu Sep 26 20:02:55 GMT 1996 dPMon End Flat

Thu Sep 26 20:04:24 GMT 1996 CHIP Gain

Thu Sep 26 20:08:54 GMT 1996 CHIP End Gain

Thu Sep 26 20:09:04 GMT 1996 CHIP Bias

Thu Sep 26 20:09:45 GMT 1996 CHIP End Bias

Thu Sep 26 20:09:55 GMT 1996 CHIP Water

Thu Sep 26 20:10:24 GMT 1996 CHIP End Water

CHIP COMMENT: Thu Sep 26 20:22:02 GMT 1996

O1 pointed off, repointing, no clouds.

COMMENT: Thu Sep 26 20:41:41 GMT 1996

Extended the dome slot.

CHIP COMMENT: Thu Sep 26 20:44:13 GMT 1996

O1 pointing off again, no clouds, repointing.

Thu Sep 26 21:01:57 GMT 1996 dPMon Flat

Thu Sep 26 21:02:53 GMT 1996 dPMon End Flat

Thu Sep 26 21:04:33 GMT 1996 CHIP Bias

Thu Sep 26 21:05:47 GMT 1996 CHIP End Bias

Thu Sep 26 21:05:57 GMT 1996 CHIP Water

Thu Sep 26 21:06:32 GMT 1996 CHIP End Water

CHIP COMMENT: Thu Sep 26 21:27:42 GMT 1996

O1 pointed off, no clouds, will repoint and let FixCenter find the best position then use the Manual command.

Thu Sep 26 22:01:48 GMT 1996 dPMon Flat

Thu Sep 26 22:02:31 GMT 1996 dPMon End Flat

Thu Sep 26 22:06:36 GMT 1996 CHIP Bias

Thu Sep 26 22:07:49 GMT 1996 CHIP End Bias

Thu Sep 26 22:07:58 GMT 1996 CHIP Water

Thu Sep 26 22:08:35 GMT 1996 CHIP End Water

WEATHER COMMENT: Thu Sep 26 22:35:38 GMT 1996

Orographic clouds are starting to pass by.

Thu Sep 26 23:02:03 GMT 1996 dPMon Flat

Thu Sep 26 23:02:57 GMT 1996 dPMon End Flat

Thu Sep 26 23:08:26 GMT 1996 CHIP Bias

Thu Sep 26 23:09:50 GMT 1996 CHIP End Bias

Thu Sep 26 23:10:00 GMT 1996 CHIP Water  
 Thu Sep 26 23:10:40 GMT 1996 CHIP End Water  
 Thu Sep 26 23:50:01 GMT 1996 dPMon End Patrol  
 MKIII COMMENT: Thu Sep 26 23:50:07 GMT 1996  
 Pausing due to clouds.  
 DPMON COMMENT: Thu Sep 26 23:50:20 GMT 1996  
 Pausing due to clouds.  
 Fri Sep 27 00:05:04 GMT 1996 CHIP Bias  
 Fri Sep 27 00:06:25 GMT 1996 CHIP End Bias  
 Fri Sep 27 00:06:32 GMT 1996 CHIP Water  
 Fri Sep 27 00:07:08 GMT 1996 CHIP End Water  
 Fri Sep 27 01:04:21 GMT 1996 CHIP Bias  
 Fri Sep 27 01:05:40 GMT 1996 CHIP End Bias  
 Fri Sep 27 01:05:47 GMT 1996 CHIP Water  
 Fri Sep 27 01:06:25 GMT 1996 CHIP End Water  
 Fri Sep 27 02:02:26 GMT 1996 CHIP Bias  
 Fri Sep 27 02:03:42 GMT 1996 CHIP End Bias  
 Fri Sep 27 02:03:49 GMT 1996 CHIP Water  
 Fri Sep 27 02:04:24 GMT 1996 CHIP End Water  
 Fri Sep 27 02:41:02 GMT 1996 CHIP CHIP End Patrol  
 Fri Sep 27 03:30:40 GMT 1996 CHIP ending tape  
 COMMENT: Fri Sep 27 03:31:07 GMT 1996  
 Activity report:  
 QP: 65; 80-90; 120-133; 220-230; 306.  
 No coronal activity.

TAPES:  
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MKIII: H001396  
 DPMON: P00720  
 CHIP: C00137  
 LOWL: L00418 in drive #0

SCAN-LOG

SCAN-LOG 16:54:15. 9/26/96 DOY 270  
 17:02:49 17:06:05 17:09:18 17:12:33 17:15:46  
 17:19:01 17:22:15 17:25:29 17:28:42 17:31:55  
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20:55:46	20:58:58	21:02:12	21:05:25	21:08:38
21:11:51	21:15:04	21:18:16	21:21:36	21:24:50
21:28:04	21:31:16	21:34:29	21:37:41	21:40:55
21:44:08	21:47:26	21:50:39	21:53:52	21:57:05
22:00:19	22:03:31	22:06:45	22:09:58	22:13:11
22:16:24	22:19:37	22:22:49	22:26:02	22:29:14
22:32:28	22:35:40	22:38:53	22:42:05	22:45:18
22:48:31	22:51:44	22:54:56	22:58:09	23:01:21
23:04:35	23:07:47	23:10:59	23:14:11	23:17:24
23:20:36	23:23:48	23:26:59	23:30:11	23:33:22
23:36:34	23:39:45	23:42:57	23:46:08	

0 ERRORS

OK