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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 23 16:45:02 GMT 1996

Year: 96 Doy: 267

Observer: koon

WEATHER COMMENT: Mon Sep 23 16:45:07 GMT 1996

Medium cirrostratus overcast, wind=5 mph from the SSW, temp=44 F.

Mon Sep 23 16:45:45 GMT 1996 CHIP Startup--Initializing new tape

Mon Sep 23 16:50:14 GMT 1996 CHIP CHIP Start Patrol

Mon Sep 23 16:51:00 GMT 1996 dPMon Start Patrol

CHIP COMMENT: Mon Sep 23 16:54:32 GMT 1996

O1 ranaway, repointed it.

Mon Sep 23 17:01:02 GMT 1996 dPMon Flat

Mon Sep 23 17:01:54 GMT 1996 dPMon End Flat

Mon Sep 23 17:04:56 GMT 1996 CHIP Bias

Mon Sep 23 17:06:38 GMT 1996 CHIP End Bias

Mon Sep 23 17:06:47 GMT 1996 CHIP Water

Mon Sep 23 17:07:25 GMT 1996 CHIP End Water

CHIP COMMENT: Mon Sep 23 17:13:48 GMT 1996

O1 ranaway, running the new Manual command and repointing.

CHIP COMMENT: Mon Sep 23 17:27:16 GMT 1996

No image shown on screen, will end and restart Patrol to see if that fixes the problem.

Mon Sep 23 17:29:03 GMT 1996 CHIP CHIP End Patrol

Mon Sep 23 17:33:04 GMT 1996 CHIP CHIP Start Patrol

LOW-L COMMENT: Mon Sep 23 17:32:09 GMT 1996

Tapes were in wrong order, data going to 418 with 417 next in line. Relabeled the tapes correctly. Data now going to L00417 in drive #0. The problems that Kim and Eric had with the incorrect pointing on DOY 266 was probably due to the old autumnal equinox problem we have every 9/22 ut. It looks good today.

CHIP COMMENT: Mon Sep 23 17:43:52 GMT 1996

Manually used the mouse to make sur the dust cover was open and the diffuser was out, this brought back images to the screen. The images were not centered so I typed in Auto to let FixCenter center the image (since the clouds are relatively thin now and the Spar is pointing correctly), then I typed in Manual again to prevent the FixCenter O1 runaways. Program is running well now.

Mon Sep 23 18:00:53 GMT 1996 dPMon Flat

Mon Sep 23 18:01:46 GMT 1996 dPMon End Flat

Mon Sep 23 18:02:47 GMT 1996 CHIP Bias

Mon Sep 23 18:03:52 GMT 1996 CHIP End Bias

Mon Sep 23 18:04:01 GMT 1996 CHIP Water

Mon Sep 23 18:04:38 GMT 1996 CHIP End Water

DPMON COMMENT: Mon Sep 23 18:03:53 GMT 1996

I'm letting the Patrol run in case the clouds thin out enough to get good data.

MKIII COMMENT: Mon Sep 23 18:05:02 GMT 1996

Clouds too thick to get data, haven't started observations with MKIII.

Mon Sep 23 19:00:59 GMT 1996 dPMon Flat  
Mon Sep 23 19:01:53 GMT 1996 dPMon End Flat  
Mon Sep 23 19:03:43 GMT 1996 CHIP Bias  
Mon Sep 23 19:04:54 GMT 1996 CHIP End Bias  
Mon Sep 23 19:05:03 GMT 1996 CHIP Water  
Mon Sep 23 19:05:40 GMT 1996 CHIP End Water  
Mon Sep 23 19:26:42 GMT 1996 CHIP CHIP End Patrol

CHIP COMMENT: Mon Sep 23 19:27:22 GMT 1996

Starting the Special spectral scans.

Mon Sep 23 19:45:10 GMT 1996 CHIP CHIP Start Patrol

CHIP COMMENT: Mon Sep 23 19:45:02 GMT 1996

Special run ended, restarting Patrol.

Mon Sep 23 20:00:54 GMT 1996 dPMon Flat  
Mon Sep 23 20:01:49 GMT 1996 dPMon End Flat  
Mon Sep 23 20:03:52 GMT 1996 CHIP Gain  
Mon Sep 23 20:08:19 GMT 1996 CHIP End Gain  
Mon Sep 23 20:08:30 GMT 1996 CHIP Bias  
Mon Sep 23 20:09:11 GMT 1996 CHIP End Bias  
Mon Sep 23 20:09:19 GMT 1996 CHIP Water  
Mon Sep 23 20:09:46 GMT 1996 CHIP End Water

COMMENT: Mon Sep 23 20:45:16 GMT 1996

Extended the dome slot.

Mon Sep 23 21:00:55 GMT 1996 dPMon Flat  
Mon Sep 23 21:01:49 GMT 1996 dPMon End Flat  
Mon Sep 23 21:05:06 GMT 1996 CHIP Bias  
Mon Sep 23 21:06:10 GMT 1996 CHIP End Bias  
Mon Sep 23 21:06:18 GMT 1996 CHIP Water  
Mon Sep 23 21:06:51 GMT 1996 CHIP End Water  
Mon Sep 23 22:00:59 GMT 1996 dPMon Flat  
Mon Sep 23 22:01:50 GMT 1996 dPMon End Flat  
Mon Sep 23 22:03:24 GMT 1996 CHIP Bias  
Mon Sep 23 22:04:27 GMT 1996 CHIP End Bias  
Mon Sep 23 22:04:38 GMT 1996 CHIP Water  
Mon Sep 23 22:05:18 GMT 1996 CHIP End Water

WEATHER COMMENT: Mon Sep 23 22:09:11 GMT 1996

Orographic clouds passing over.

Mon Sep 23 22:40:04 GMT 1996 dPMon End Patrol

DPMON COMMENT: Mon Sep 23 22:39:58 GMT 1996

Pausing due to thick clouds.

CHIP COMMENT: Mon Sep 23 22:40:11 GMT 1996

Pausing due to thick clouds.

Mon Sep 23 22:42:04 GMT 1996 CHIP CHIP End Patrol

WEATHER COMMENT: Tue Sep 24 00:11:24 GMT 1996

Fog getting close, closing dome.

LOW-L COMMENT: Tue Sep 24 00:53:46 GMT 1996

Since it is cloudy I will stop the observing and work on changing the software to eliminate the equinox pointing problem and hopefully load the

firmware from the Code Load tape.

Tue Sep 24 03:21:11 GMT 1996 CHIP ending tape

LOW-L COMMENT: Tue Sep 24 03:30:10 GMT 1996

After a lot of testing with various brand new and used low density tapes it appears that the Code Load tape didn't change our problem, if the tape was written to in low density it will be written to that way by both of our tape drives even after the supposed firmware change made by the Code Load tape. I'll talk to Vic on Thursday, but maybe we'll have to get a degausser.

LOW-L COMMENT: Tue Sep 24 04:15:31 GMT 1996

Changed the software as requested by David, as far as I can tell everything is working OK.

COMMENT: Tue Sep 24 04:16:08 GMT 1996

Activity report:

QP: 220-235; 265; 315.

No coronal activity seen through clouds.

TAPES:

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DPMON: P00717

CHIP: C00134

LOW-L: L00417 and L00418 in drive #0