
Mauna Loa Solar Observatory Observer's Log

Sat Oct 12 16:53:08 GMT 1996

Year: 96 Doy: 286

Observer: koon

WEATHER COMMENT: Sat Oct 12 16:53:13 GMT 1996

Clear sky, wind=5 mph from the South, temp=44 F.

Sat Oct 12 16:53:57 GMT 1996 CHIP Startup--Initializing new tape

Sat Oct 12 16:56:59 GMT 1996 dPMon Start Patrol

Sat Oct 12 16:57:10 GMT 1996 CHIP CHIP Start Patrol

Sat Oct 12 17:01:05 GMT 1996 dPMon Flat

Sat Oct 12 17:02:00 GMT 1996 dPMon End Flat

Sat Oct 12 17:03:45 GMT 1996 CHIP Bias

Sat Oct 12 17:04:45 GMT 1996 CHIP End Bias

Sat Oct 12 17:04:54 GMT 1996 CHIP Water

Sat Oct 12 17:05:34 GMT 1996 CHIP End Water

Sat Oct 12 18:00:52 GMT 1996 dPMon Flat

Sat Oct 12 18:01:44 GMT 1996 dPMon End Flat

Sat Oct 12 18:05:08 GMT 1996 CHIP Bias

Sat Oct 12 18:06:22 GMT 1996 CHIP End Bias

Sat Oct 12 18:06:31 GMT 1996 CHIP Water

Sat Oct 12 18:07:04 GMT 1996 CHIP End Water

Sat Oct 12 19:01:02 GMT 1996 dPMon Flat

Sat Oct 12 19:01:56 GMT 1996 dPMon End Flat

Sat Oct 12 19:03:53 GMT 1996 CHIP Bias

Sat Oct 12 19:04:59 GMT 1996 CHIP End Bias

Sat Oct 12 19:05:06 GMT 1996 CHIP Water

Sat Oct 12 19:05:44 GMT 1996 CHIP End Water

Sat Oct 12 20:01:02 GMT 1996 dPMon Flat

Sat Oct 12 20:01:57 GMT 1996 dPMon End Flat

Sat Oct 12 20:04:57 GMT 1996 CHIP Gain

Sat Oct 12 20:09:23 GMT 1996 CHIP End Gain

Sat Oct 12 20:09:32 GMT 1996 CHIP Bias

Sat Oct 12 20:10:11 GMT 1996 CHIP End Bias

Sat Oct 12 20:10:21 GMT 1996 CHIP Water

Sat Oct 12 20:10:50 GMT 1996 CHIP End Water

Sat Oct 12 21:00:56 GMT 1996 dPMon Flat

Sat Oct 12 21:01:49 GMT 1996 dPMon End Flat

Sat Oct 12 21:05:35 GMT 1996 CHIP Bias

Sat Oct 12 21:06:40 GMT 1996 CHIP End Bias

Sat Oct 12 21:06:49 GMT 1996 CHIP Water

Sat Oct 12 21:07:26 GMT 1996 CHIP End Water

COMMENT: Sat Oct 12 21:08:46 GMT 1996

Extended the dome slot.

Sat Oct 12 21:09:06 GMT 1996 dPMon End Patrol

DPMON COMMENT: Sat Oct 12 21:09:07 GMT 1996

Pausing Patrol to investigate the disk vignetting.

Sat Oct 12 21:28:18 GMT 1996 dPMon Start Patrol

DPMON COMMENT: Sat Oct 12 21:28:07 GMT 1996

OK, restarting Patrol. I can't see anything obviously vignetting the light path so it is probably the Daystar that is misaligned as has been a problem before. The best we can do is to optimize the vignetting for midday, and this has to be done several times during the year, when we switch away from a Coude path this problem will be solved. A good way to help align the Daystar is to stop Patrol, run Video and use the mouse to insert the filter and remove the occulter, then set the camera exposure time by first clicking on the Camera button then the Settings button, then adjust and Load different millisecond settings until you see a yellow area appear on the the image in the Camera window. Then try to adjust the Daystar position so the yellow area gets centered and hopefully more dispersed. To avoid running up and down the stairs a few dozen times maybe a camera and monitor can be set up to feed an image of the Camera window up into the dome.

Its past the middle of the observing day so this will have to be done later.

Sat Oct 12 22:01:58 GMT 1996 dPMon Flat

Sat Oct 12 22:02:53 GMT 1996 dPMon End Flat

Sat Oct 12 22:04:43 GMT 1996 CHIP Bias

Sat Oct 12 22:05:57 GMT 1996 CHIP End Bias
Sat Oct 12 22:06:06 GMT 1996 CHIP Water
Sat Oct 12 22:06:48 GMT 1996 CHIP End Water
LOW-L COMMENT: Sat Oct 12 22:26:42 GMT 1996
Added another offering of metal tape to the Holey Hose.
MKIII COMMENT: Sat Oct 12 22:47:41 GMT 1996

Stopping to do some encoder tests.
Sat Oct 12 23:02:06 GMT 1996 dPMon Flat
Sat Oct 12 23:03:01 GMT 1996 dPMon End Flat
Sat Oct 12 23:04:38 GMT 1996 CHIP Bias
Sat Oct 12 23:05:46 GMT 1996 CHIP End Bias
Sat Oct 12 23:05:55 GMT 1996 CHIP Water
Sat Oct 12 23:06:32 GMT 1996 CHIP End Water
Sat Oct 12 23:15:03 GMT 1996 dPMon End Patrol

COMMENT: Sat Oct 12 23:15:05 GMT 1996
Must have caused the Spar to lose tracking, will stop instruments.
Sat Oct 12 23:15:48 GMT 1996 CHIP CHIP End Patrol

MKIII COMMENT: Sat Oct 12 23:22:37 GMT 1996
At the place that I stopped the barrel (345.69) the gear lash felt normal so I measured it, I could only move encoder between 345.69 and 345.69, only 1/10 of a degree. So this isn't accounting for the 5 degree mismatch that Alice saw. I'll try to see if the encoder is slipping on the first gear and maybe tighten the coil spring next week.

Sat Oct 12 23:27:15 GMT 1996 CHIP ending tape
COMMENT: Sat Oct 12 23:28:28 GMT 1996

Activity report:
QP: 40; 102; 116; 130; 280.
No coronal activity.

TAPES:

MKIII: H01411
DPMON: P00735
CHIP: C00152
LOWL: L00420 in drive #0

SCAN-LOG

SCAN-LOG 16:57:43. 10/12/96 DOY 286

17:02:44	17:05:59	17:09:14	17:12:30	17:15:45
17:19:01	17:22:16	17:25:30	17:28:43	17:31:57
17:35:09	17:38:24	17:41:36	17:44:49	17:48:01
17:51:15	17:54:27	17:57:40	1807 0 CL	18:21:03
1835 15CL	18:53:39	19:01:25	19:04:37	19:07:54
19:11:04	19:14:21	19:17:32	19:20:44	19:23:55
19:27:07	19:30:19	19:33:31	19:36:43	19:39:55
19:43:07	19:46:20	19:49:32	19:52:46	19:55:58
19:59:11	20:02:23	20:05:37	20:08:49	20:12:02
20:15:16	20:18:35	20:21:49	20:25:01	20:28:13
20:31:25	20:34:36	20:37:49	20:41:01	20:44:13
20:47:24	20:50:36	20:53:47	20:56:59	21:00:10
21:03:22	21:06:33	21:09:44	21:12:55	21:16:07
21:19:18	21:22:30	21:25:40	21:28:52	21:32:02
21:35:14	21:38:24	21:41:42	21:44:54	21:48:06
21:51:16	21:54:28	21:57:38	22:00:49	22:04:00
22:07:11	22:10:22	22:13:33	22:16:44	22:20:00
22:23:10	22:26:22	22:29:32	22:32:44	22:35:54
22:39:06	22:42:16	22:45:28		

0 ERRORS

OK