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Mauna Loa Solar Observatory Observer's Log  
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Wed Oct 30 16:38:41 GMT 1996

Year: 96 Doy: 304

Observer: yasukawa

WEATHER COMMENT: Wed Oct 30 16:38:45 GMT 1996

Cool, clear, light southeast wind.

DPMON COMMENT: Wed Oct 30 16:39:09 GMT 1996

Occulter = 1981

Wed Oct 30 16:39:22 GMT 1996 CHIP Startup--Initializing new tape

Wed Oct 30 16:54:02 GMT 1996 CHIP CHIP Start Patrol

Wed Oct 30 16:54:19 GMT 1996 dPMon Start Patrol

COMMENT: Wed Oct 30 16:54:15 GMT 1996

Guider finally acquired sun.

Wed Oct 30 17:01:03 GMT 1996 dPMon Flat

Wed Oct 30 17:01:56 GMT 1996 dPMon End Flat

Wed Oct 30 17:01:52 GMT 1996 CHIP Bias

Wed Oct 30 17:02:56 GMT 1996 CHIP End Bias

Wed Oct 30 17:03:06 GMT 1996 CHIP Water

Wed Oct 30 17:03:40 GMT 1996 CHIP End Water

Wed Oct 30 18:00:55 GMT 1996 dPMon Flat

Wed Oct 30 18:01:47 GMT 1996 dPMon End Flat

Wed Oct 30 18:01:46 GMT 1996 CHIP Bias

Wed Oct 30 18:02:56 GMT 1996 CHIP End Bias

Wed Oct 30 18:03:05 GMT 1996 CHIP Water

Wed Oct 30 18:03:39 GMT 1996 CHIP End Water

Wed Oct 30 19:01:01 GMT 1996 dPMon Flat

Wed Oct 30 19:01:47 GMT 1996 CHIP Bias

Wed Oct 30 19:01:54 GMT 1996 dPMon End Flat

Wed Oct 30 19:02:47 GMT 1996 CHIP End Bias

Wed Oct 30 19:02:58 GMT 1996 CHIP Water

Wed Oct 30 19:03:38 GMT 1996 CHIP End Water

LOW-L COMMENT: Wed Oct 30 19:17:01 GMT 1996

Working on trying to get image on LOWL display. It is not tracking

sun properly after the harmonic drive replacement.

Wed Oct 30 20:00:58 GMT 1996 dPMon Flat

Wed Oct 30 20:01:43 GMT 1996 CHIP Gain

Wed Oct 30 20:01:52 GMT 1996 dPMon End Flat

Wed Oct 30 20:06:31 GMT 1996 CHIP End Gain

Wed Oct 30 20:06:39 GMT 1996 CHIP Bias

Wed Oct 30 20:07:19 GMT 1996 CHIP End Bias

Wed Oct 30 20:07:29 GMT 1996 CHIP Water

Wed Oct 30 20:08:01 GMT 1996 CHIP End Water

Wed Oct 30 21:01:00 GMT 1996 dPMon Flat

Wed Oct 30 21:01:52 GMT 1996 dPMon End Flat

Wed Oct 30 21:03:43 GMT 1996 CHIP Bias

Wed Oct 30 21:04:47 GMT 1996 CHIP End Bias

Wed Oct 30 21:04:57 GMT 1996 CHIP Water  
Wed Oct 30 21:05:36 GMT 1996 CHIP End Water  
Wed Oct 30 22:00:56 GMT 1996 dPMon Flat  
Wed Oct 30 22:01:49 GMT 1996 dPMon End Flat

WEATHER COMMENT: Wed Oct 30 22:36:49 GMT 1996

Fog just rolled in. Closing dome.

Wed Oct 30 22:37:18 GMT 1996 dPMon End Patrol

LOW-L COMMENT: Wed Oct 30 22:47:58 GMT 1996

There wasn't any image on LOWL display after the harmonic drive replacement.

Between David Elmore, Darryl and I, we tried moving RA around to try acquiring sun, tried to determine if RA or Dec motors were running, tried to determine if light was getting to Cohu by removing the RG9 filter, and between keyboard crashes, Spar power resets, and other roadblocks, we finally got the image by tweeking the dec around.

Once we got the error values, David calculated the ha\_switch\_offset and dec\_switch\_offset values and we edited lowl.h and recompiled.

Almost heightened the suspense by finishing just as the fog rolled in, but a hole in the fog revealed that the fix was successful.

COMMENT: Wed Oct 30 22:56:22 GMT 1996

Activity report: No PA's recorded before got sidetracked with LOWL.

Tapes: MKIII: H01425

DPMON: P00750

CHIP: Cool167

LOWL: L00423 in unit 0 restarted.

Wed Oct 30 22:59:51 GMT 1996 CHIP Bias

Wed Oct 30 23:05:10 GMT 1996 CHIP End Bias

Wed Oct 30 23:05:16 GMT 1996 CHIP Water

Wed Oct 30 23:12:11 GMT 1996 CHIP ending tape

CHIP crashed, had to Kill to end gracefully.

#### SCAN-LOG

SCAN-LOG 17:00:51. 10/30/96 DOY 304

17:06:59	17:10:13	17:13:27	17:16:42	17:19:55
17:23:08	17:26:21	17:29:34	17:32:47	17:36:00
17:39:13	17:42:27	17:45:40	17:48:55	17:52:07
17:55:21	17:58:35	18:01:48	18:05:00	1815 0 CL
18:22:06	1827 15CL	18:36:55	18:42:47	18:45:58
18:49:11	18:52:22	18:55:35	18:58:46	19:01:59
19:05:11	19:08:24	19:11:35	19:14:48	19:18:00
19:21:13	19:24:25	19:27:38	19:30:50	19:34:04
19:37:16	19:40:30	19:43:42	19:46:56	19:50:08
19:53:21	19:56:33	19:59:48	20:03:00	20:06:15
20:09:29	20:12:42	20:15:54	20:19:07	20:22:18
20:25:31	20:28:43	20:31:56	20:35:08	20:38:20
20:41:32	20:44:45	20:47:57	20:51:09	20:54:21
20:57:34	21:00:45	21:03:58	21:07:10	21:10:23

21:13:34	21:16:47	21:19:58	21:23:11	21:26:23
21:29:37	21:32:48	21:36:01	21:39:12	21:42:25
21:45:36	21:48:49	21:52:00	21:55:18	21:58:29
22:01:42	22:04:53	22:08:06	22:11:18	22:14:31
22:17:43	22:20:56	22:24:08	22:27:21	22:30:33
22:33:46	22:36:58			

0 ERRORS

OK