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Mauna Loa Solar Observatory Observer's Log  
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Sat Dec 14 17:21:54 GMT 1996

Year: 96 Doy: 349

Observer: koon

WEATHER COMMENT: Sat Dec 14 17:21:58 GMT 1996

Clear sky, wind=30+ mph from the SW, temp=38 F.

Sat Dec 14 17:26:15 GMT 1996 CHIP Startup--Initializing new tape

Sat Dec 14 17:26:25 GMT 1996 dPMon Start Patrol

Sat Dec 14 17:26:46 GMT 1996 CHIP CHIP Start Patrol

LOW-L COMMENT: Sat Dec 14 17:38:52 GMT 1996

Stopped program, removed L00430 and installed L00431 in drive #0. Also cleaned the tape drive.

Sat Dec 14 18:02:55 GMT 1996 dPMon Flat

Sat Dec 14 18:03:49 GMT 1996 dPMon End Flat

Sat Dec 14 18:03:45 GMT 1996 CHIP Bias

Sat Dec 14 18:04:39 GMT 1996 CHIP End Bias

Sat Dec 14 18:04:49 GMT 1996 CHIP Water

Sat Dec 14 18:05:22 GMT 1996 CHIP End Water

CHIP COMMENT: Sat Dec 14 18:30:25 GMT 1996

Images looked blurred as if drifting E-W direction. Didn't clear up after the cal at 1800. Stopping Patrol and will try a Kill/Run to see if images improve.

Sat Dec 14 18:32:43 GMT 1996 CHIP CHIP End Patrol

Sat Dec 14 18:36:51 GMT 1996 CHIP CHIP Start Patrol

Sat Dec 14 19:02:49 GMT 1996 CHIP Bias

Sat Dec 14 19:02:58 GMT 1996 dPMon Flat

Sat Dec 14 19:03:51 GMT 1996 dPMon End Flat

Sat Dec 14 19:03:53 GMT 1996 CHIP End Bias

Sat Dec 14 19:04:03 GMT 1996 CHIP Water

Sat Dec 14 19:04:38 GMT 1996 CHIP End Water

COMMENT: Sat Dec 14 19:51:51 GMT 1996

Just gave a tour to an amateur radio club from Waiakea High school.

DPMON COMMENT: Sat Dec 14 20:01:36 GMT 1996

Dome was blocking sun, repointed it.

Sat Dec 14 20:02:49 GMT 1996 CHIP Gain

Sat Dec 14 20:03:04 GMT 1996 dPMon Flat

Sat Dec 14 20:04:02 GMT 1996 dPMon End Flat

Sat Dec 14 20:07:16 GMT 1996 CHIP End Gain

Sat Dec 14 20:07:27 GMT 1996 CHIP Bias

Sat Dec 14 20:08:09 GMT 1996 CHIP End Bias

Sat Dec 14 20:08:18 GMT 1996 CHIP Water

Sat Dec 14 20:08:45 GMT 1996 CHIP End Water

CHIP COMMENT: Sat Dec 14 20:30:36 GMT 1996

The images still look blurred despite the cals and Kill/Run cycle. There is a large filament at disk center, maybe this is causing a problem. To check whether the problem is caused by FixCenter I have changed to Manual micrometer mode.

Sat Dec 14 21:02:59 GMT 1996 dPMon Flat  
 Sat Dec 14 21:03:52 GMT 1996 dPMon End Flat  
 Sat Dec 14 21:03:51 GMT 1996 CHIP Bias  
 Sat Dec 14 21:05:03 GMT 1996 CHIP End Bias  
 Sat Dec 14 21:05:12 GMT 1996 CHIP Water  
 Sat Dec 14 21:05:51 GMT 1996 CHIP End Water  
 CHIP COMMENT: Sat Dec 14 21:33:01 GMT 1996  
 Images still look blurred E-W, switched back to Auto micrometer mode.  
 Sat Dec 14 22:01:48 GMT 1996 CHIP Bias  
 Sat Dec 14 22:03:01 GMT 1996 dPMon Flat  
 Sat Dec 14 22:02:59 GMT 1996 CHIP End Bias  
 Sat Dec 14 22:03:07 GMT 1996 CHIP Water  
 Sat Dec 14 22:03:46 GMT 1996 CHIP End Water  
 Sat Dec 14 22:03:55 GMT 1996 dPMon End Flat  
 Sat Dec 14 23:01:47 GMT 1996 CHIP Bias  
 Sat Dec 14 23:03:05 GMT 1996 dPMon Flat  
 Sat Dec 14 23:03:02 GMT 1996 CHIP End Bias  
 Sat Dec 14 23:03:11 GMT 1996 CHIP Water  
 Sat Dec 14 23:03:53 GMT 1996 CHIP End Water  
 Sat Dec 14 23:03:59 GMT 1996 dPMon End Flat  
 WEATHER COMMENT: Sat Dec 14 23:05:33 GMT 1996  
 Orographic clouds starting to pass over.  
 Sat Dec 14 23:06:02 GMT 1996 dPMon End Patrol  
 Sat Dec 14 23:07:53 GMT 1996 CHIP CHIP End Patrol  
 Sat Dec 14 23:09:33 GMT 1996 CHIP ending tape  
 COMMENT: Sat Dec 14 23:09:42 GMT 1996  
 Activity report:  
 QP: 45; 67-83; 108; 127; 240.  
 No coronal activity.

TAPES:  
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MKIII: H01451  
 DPMON: P00779  
 CHIP: C00196  
 LOWL: L00431 in drive #0

SCAN-LOG

SCAN-LOG 17:27:05. 12/14/96 DOY 349  
 17:47:20 17:50:33 17:53:47 17:57:00 18:00:15  
 18:03:29 18:06:44 18:09:58 18:13:14 18:16:28  
 18:19:44 18:22:58 1827 0 CL 18:30:12 1834 15CL  
 18:40:39 18:46:50 18:50:06 18:53:25 18:56:41  
 19:00:03 19:03:18 19:06:35 19:09:51 19:13:08  
 19:16:23 19:19:41 19:22:58 19:26:15 19:29:31  
 19:32:48 19:36:05 19:39:22 19:42:40 19:45:58  
 19:49:14 19:52:32 19:55:48 19:59:06 20:02:22  
 20:05:41 20:08:57 20:12:15 20:15:31 20:18:49  
 20:22:07 20:25:31 20:28:47 20:32:05 20:35:21

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

0 ERRORS

OK