
Mauna Loa Solar Observatory Observer's Log

Sun Jun 15 16:34:23 GMT 1997

Year: 97 Doy: 166

Observer: yasukawa

WEATHER COMMENT: Sun Jun 15 16:34:26 GMT 1997

Cool, clear, light southeast wind.

| | | |
|------------------------------|-------|-------------------|
| Sun Jun 15 16:39:46 GMT 1997 | dPMon | Start Patrol |
| Sun Jun 15 16:40:07 GMT 1997 | CHIP | CHIP Start Patrol |
| Sun Jun 15 17:01:01 GMT 1997 | dPMon | Flat |
| Sun Jun 15 17:01:55 GMT 1997 | dPMon | End Flat |
| Sun Jun 15 17:02:04 GMT 1997 | CHIP | Bias |
| Sun Jun 15 17:02:52 GMT 1997 | CHIP | End Bias |
| Sun Jun 15 17:03:01 GMT 1997 | CHIP | Water |
| Sun Jun 15 17:03:34 GMT 1997 | CHIP | End Water |
| Sun Jun 15 18:00:54 GMT 1997 | dPMon | Flat |
| Sun Jun 15 18:01:02 GMT 1997 | CHIP | Bias |
| Sun Jun 15 18:01:44 GMT 1997 | CHIP | End Bias |
| Sun Jun 15 18:01:53 GMT 1997 | dPMon | End Flat |
| Sun Jun 15 18:01:51 GMT 1997 | CHIP | Water |
| Sun Jun 15 18:02:23 GMT 1997 | CHIP | End Water |
| Sun Jun 15 19:00:55 GMT 1997 | dPMon | Flat |
| Sun Jun 15 19:01:51 GMT 1997 | dPMon | End Flat |
| Sun Jun 15 19:03:09 GMT 1997 | CHIP | Bias |
| Sun Jun 15 19:03:58 GMT 1997 | CHIP | End Bias |
| Sun Jun 15 19:04:05 GMT 1997 | CHIP | Water |
| Sun Jun 15 19:04:40 GMT 1997 | CHIP | End Water |

COMMENT: Sun Jun 15 19:09:41 GMT 1997

Stopping to reconfigure dome shutter.

| | | |
|------------------------------|-------|-------------------|
| Sun Jun 15 19:10:46 GMT 1997 | CHIP | CHIP End Patrol |
| Sun Jun 15 19:11:15 GMT 1997 | dPMon | End Patrol |
| Sun Jun 15 19:15:40 GMT 1997 | dPMon | Start Patrol |
| Sun Jun 15 19:15:52 GMT 1997 | CHIP | CHIP Start Patrol |

MKIII COMMENT: Sun Jun 15 19:40:13 GMT 1997

I think Darryl is on the right track, there is a strange reflection on the slots and this may be due to the poor occulting due to O1 guider misbehavior. Looking down the tube from the O1, I didn't see any spill caused by an edge being illuminated. I think I recall seeing this reflection before and I recall not being able to do much about it.

The image on the occulter, though does not look centered.

| | | |
|------------------------------|-------|----------|
| Sun Jun 15 20:00:55 GMT 1997 | dPMon | Flat |
| Sun Jun 15 20:01:50 GMT 1997 | dPMon | End Flat |
| Sun Jun 15 20:02:05 GMT 1997 | CHIP | Gain |
| Sun Jun 15 20:06:31 GMT 1997 | CHIP | End Gain |
| Sun Jun 15 20:06:38 GMT 1997 | CHIP | Bias |
| Sun Jun 15 20:07:19 GMT 1997 | CHIP | End Bias |
| Sun Jun 15 20:07:27 GMT 1997 | CHIP | Water |

Sun Jun 15 20:07:56 GMT 1997 CHIP End Water
Sun Jun 15 21:01:00 GMT 1997 dPMon Flat
Sun Jun 15 21:01:51 GMT 1997 dPMon End Flat
Sun Jun 15 21:03:03 GMT 1997 CHIP Bias
Sun Jun 15 21:03:49 GMT 1997 CHIP End Bias
Sun Jun 15 21:03:58 GMT 1997 CHIP Water
Sun Jun 15 21:04:35 GMT 1997 CHIP End Water

MKIII COMMENT: Sun Jun 15 21:43:30 GMT 1997

VDIFF after 2052 revealed image flop. Spar flexure may have shifted.
N/S stepper still at a limit, limit rod is pushed toward spar, I did not notice if it was being pushed the other way earlier. N/S image symmetry is much better now.

MKIII COMMENT: Sun Jun 15 21:51:14 GMT 1997

I had to touch up DPMON pointing in N/S direction although not by much and a lot later on. Problem may not be spar flexure related.

Sun Jun 15 22:00:56 GMT 1997 dPMon Flat
Sun Jun 15 22:01:48 GMT 1997 dPMon End Flat
Sun Jun 15 22:02:04 GMT 1997 CHIP Bias
Sun Jun 15 22:02:50 GMT 1997 CHIP End Bias
Sun Jun 15 22:02:59 GMT 1997 CHIP Water
Sun Jun 15 22:03:37 GMT 1997 CHIP End Water
Sun Jun 15 22:24:36 GMT 1997 CHIP CHIP End Patrol
Sun Jun 15 22:24:54 GMT 1997 dPMon End Patrol

MKIII COMMENT: Sun Jun 15 22:24:46 GMT 1997

Occulting has held in the better position since the image flop.

Sun Jun 15 22:25:42 GMT 1997 CHIP ending tape

COMMENT: Sun Jun 15 22:25:51 GMT 1997

Activity report:

QP: 68; 305;

No coronal activity

Tapes: MKIII: H01580

DPMON: P00911

CHIP: C00332

LOWL: L00460

SCAN-LOG

SCAN-LOG 16:43:38. 6/15/97 DOY 166

| | | | | |
|-----------|----------|-----------|----------|----------|
| 16:52:18 | 16:55:35 | 16:58:50 | 17:02:11 | 17:05:24 |
| 17:08:39 | 17:11:51 | 17:15:05 | 17:18:18 | 17:21:31 |
| 17:24:43 | 17:27:58 | 17:31:11 | 17:34:24 | 17:37:36 |
| 17:40:49 | 17:44:01 | 17:47:14 | 17:50:26 | 17:53:39 |
| 17:56:50 | 18:00:03 | 18:03:14 | 18:06:26 | 18:09:38 |
| 1816 0 CL | 18:19:39 | 1824 15CL | 18:28:08 | 18:32:01 |
| 18:35:14 | 18:38:30 | 18:41:41 | 18:44:53 | 18:48:03 |
| 18:51:15 | 18:54:27 | 18:57:39 | 19:00:49 | 19:04:01 |
| 19:07:12 | 19:16:35 | 19:19:45 | 19:22:58 | 19:26:08 |
| 19:29:25 | 19:32:35 | 19:35:46 | 19:38:56 | 19:42:08 |
| 19:45:18 | 19:48:30 | 19:51:41 | 19:54:52 | 19:58:02 |

| | | | | |
|----------|----------|----------|----------|----------|
| 20:01:14 | 20:04:26 | 20:07:37 | 20:10:47 | 20:13:58 |
| 20:17:09 | 20:20:20 | 20:23:31 | 20:26:43 | 20:29:54 |
| 20:33:06 | 20:36:16 | 20:39:32 | 20:42:43 | 20:45:54 |
| 20:49:05 | 20:52:17 | 20:55:28 | 20:58:40 | 21:01:50 |
| 21:05:05 | 21:08:17 | 21:11:32 | 21:14:42 | 21:17:55 |
| 21:21:05 | 21:24:21 | 21:27:31 | 21:30:43 | 21:33:53 |
| 21:37:05 | 21:40:15 | 21:43:28 | 21:46:38 | 21:49:54 |
| 21:53:05 | 21:56:17 | 21:59:28 | 22:02:44 | 22:05:55 |
| 22:09:07 | 22:12:17 | 22:15:29 | 22:18:40 | 22:21:52 |

0 ERRORS

OK