
Mauna Loa Solar Observatory Observer's Log

Wed Sep 25 16:34:25 GMT 1996

Year: 96 Doy: 269

Observer: yasukawa

Wed Sep 25 16:34:27 GMT 1996 CHIP Startup--Initializing new tape

COMMENT: Wed Sep 25 16:45:01 GMT 1996

light Ci and wind about 5mph

Wed Sep 25 16:45:54 GMT 1996 dPMon Start Patrol

Wed Sep 25 16:46:20 GMT 1996 CHIP CHIP Start Patrol

Wed Sep 25 17:00:58 GMT 1996 dPMon Flat

Wed Sep 25 17:01:52 GMT 1996 dPMon End Flat

MKIII COMMENT: Wed Sep 25 16:57:08 GMT 1996

Yesterday Eric and I placed hairlines on the slits for channel 1. In the process a spring that puts tension on the synchro unwound. We are not sure if we have lost position information on the barrel. Eric is trying some different positions on the barrel to get our bearings straight.

Wed Sep 25 17:03:45 GMT 1996 CHIP Bias

Wed Sep 25 17:04:54 GMT 1996 CHIP End Bias

Wed Sep 25 17:05:04 GMT 1996 CHIP Water

Wed Sep 25 17:05:40 GMT 1996 CHIP End Water

CHIP COMMENT: Wed Sep 25 17:51:19 GMT 1996

motor mic runaway will switch to manual mode after next fixcenter routine

Wed Sep 25 18:00:55 GMT 1996 dPMon Flat

Wed Sep 25 18:01:47 GMT 1996 dPMon End Flat

Wed Sep 25 18:07:13 GMT 1996 CHIP Bias

Wed Sep 25 18:08:22 GMT 1996 CHIP End Bias

Wed Sep 25 18:08:32 GMT 1996 CHIP Water

Wed Sep 25 18:09:10 GMT 1996 CHIP End Water

Wed Sep 25 19:00:49 GMT 1996 dPMon Flat

Wed Sep 25 19:01:41 GMT 1996 dPMon End Flat

Wed Sep 25 19:02:26 GMT 1996 CHIP Bias

Wed Sep 25 19:03:30 GMT 1996 CHIP End Bias

Wed Sep 25 19:03:39 GMT 1996 CHIP Water

Wed Sep 25 19:04:18 GMT 1996 CHIP End Water

MKIII COMMENT: Wed Sep 25 19:54:21 GMT 1996

Moved synchro until barrel would scan without hitting a scan limit.

Several iterations of synchro rotation until 15 tilt opal in scan aligned itself with the FRAMS grid. Looks like a normal calibration. Think barrel is aligned correctly.

Wed Sep 25 20:00:59 GMT 1996 dPMon Flat

Wed Sep 25 20:01:52 GMT 1996 dPMon End Flat

Wed Sep 25 20:04:43 GMT 1996 CHIP Gain

COMMENT: Wed Sep 25 20:34:30 GMT 1996

Reconfiguring the dome slot.

Wed Sep 25 20:40:33 GMT 1996 CHIP End Gain

Wed Sep 25 20:40:43 GMT 1996 CHIP Bias

CHIP COMMENT: Wed Sep 25 20:40:53 GMT 1996

hung during flat not noticed earlier because of other work

Wed Sep 25 20:41:32 GMT 1996	CHIP	End Bias
Wed Sep 25 20:41:43 GMT 1996	CHIP	Water
Wed Sep 25 20:42:12 GMT 1996	CHIP	End Water
Wed Sep 25 21:00:50 GMT 1996	dPMon	Flat
Wed Sep 25 21:01:42 GMT 1996	dPMon	End Flat
Wed Sep 25 21:03:13 GMT 1996	CHIP	Bias
Wed Sep 25 21:04:23 GMT 1996	CHIP	End Bias
Wed Sep 25 21:04:33 GMT 1996	CHIP	Water
Wed Sep 25 21:05:12 GMT 1996	CHIP	End Water
Wed Sep 25 22:00:57 GMT 1996	dPMon	Flat
Wed Sep 25 22:01:50 GMT 1996	dPMon	End Flat
Wed Sep 25 22:04:40 GMT 1996	CHIP	Bias
Wed Sep 25 22:05:45 GMT 1996	CHIP	End Bias
Wed Sep 25 22:05:56 GMT 1996	CHIP	Water
Wed Sep 25 22:06:33 GMT 1996	CHIP	End Water
Wed Sep 25 23:00:57 GMT 1996	dPMon	Flat
Wed Sep 25 23:01:51 GMT 1996	dPMon	End Flat
Wed Sep 25 23:02:40 GMT 1996	CHIP	Bias
Wed Sep 25 23:03:51 GMT 1996	CHIP	End Bias
Wed Sep 25 23:04:02 GMT 1996	CHIP	Water
Wed Sep 25 23:04:40 GMT 1996	CHIP	End Water

MKIII COMMENT: Wed Sep 25 22:37:47 GMT 1996

moved upper detector in until the spacing between peaks of mask in ch1 matched. Now running mask scan with opal in to get info on scaling factor. Hairlines not noticeable in upper detector and that is why we used the mask. We have taken the mask out and have started taking data at 2300. Hair lines still in and now we see them with the upper detector, furthermore the up and down alignment of the two detectors appear right on. This is confirmed by the P+S signal showing three hair lines of about 1 pixel width each. The hairline valleys coincided between P and S by better than one pixel. Width of hairlines narrowed from 5 to 4 pixels. Note that the hairlines appear narrower when using the opal.

Thu Sep 26 00:00:54 GMT 1996	dPMon	Flat
Thu Sep 26 00:01:45 GMT 1996	dPMon	End Flat
Thu Sep 26 00:03:36 GMT 1996	CHIP	Bias
Thu Sep 26 00:04:47 GMT 1996	CHIP	End Bias
Thu Sep 26 00:04:56 GMT 1996	CHIP	Water
Thu Sep 26 00:05:30 GMT 1996	CHIP	End Water

MKIII COMMENT: Thu Sep 26 00:33:22 GMT 1996

removed margin mirror to clean. First put in mask and marked oscilloscope with location and amplitude of signals from mask. Cleaned mirror with air and replaced. Found no signals on scope. Very, very subtle changes in tightening the mirror holder screws brought the signals back into alignment with marks on the scope. Removed mask and started taking data again in poor sky about 2430.

Thu Sep 26 01:00:57 GMT 1996	dPMon	Flat
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Thu Sep 26 01:01:49 GMT 1996 dPMon End Flat
Thu Sep 26 01:04:17 GMT 1996 CHIP Bias
Thu Sep 26 01:05:25 GMT 1996 CHIP End Bias
Thu Sep 26 01:05:35 GMT 1996 CHIP Water
Thu Sep 26 01:06:14 GMT 1996 CHIP End Water
CHIP COMMENT: Thu Sep 26 01:03:02 GMT 1996
may have had a disappearing filament earlier in day. Image looks different
from this morning. Believe filament was one of two located near disk center.
Comparison with an image taken one hour earlier shows no change. Unable
to compare images from any time earlier in day.
DPMON COMMENT: Thu Sep 26 01:31:53 GMT 1996
epl at 290 started about 0130.
DPMON COMMENT: Thu Sep 26 01:34:37 GMT 1996
rv 1.1 at 0134 on epl at 290
DPMON COMMENT: Thu Sep 26 01:39:02 GMT 1996
rv 1.15 at 0139 on epl
DPMON COMMENT: Thu Sep 26 01:45:27 GMT 1996
rv 1.20 at 0145 on epl
Thu Sep 26 02:00:51 GMT 1996 dPMon Flat
Thu Sep 26 02:01:45 GMT 1996 dPMon End Flat
Thu Sep 26 02:03:13 GMT 1996 CHIP Bias
Thu Sep 26 02:04:29 GMT 1996 CHIP End Bias
Thu Sep 26 02:04:39 GMT 1996 CHIP Water
Thu Sep 26 02:05:17 GMT 1996 CHIP End Water
DPMON COMMENT: Thu Sep 26 02:13:34 GMT 1996
epl at PA 290 fell back into limb. event pau.
Thu Sep 26 03:01:02 GMT 1996 dPMon Flat
Thu Sep 26 03:01:58 GMT 1996 dPMon End Flat
Thu Sep 26 03:04:17 GMT 1996 CHIP Bias
Thu Sep 26 03:05:50 GMT 1996 CHIP End Bias
Thu Sep 26 03:06:00 GMT 1996 CHIP Water
Thu Sep 26 03:06:39 GMT 1996 CHIP End Water
Thu Sep 26 03:24:38 GMT 1996 CHIP CHIP End Patrol
Thu Sep 26 03:25:28 GMT 1996 CHIP ending tape
Thu Sep 26 03:35:30 GMT 1996 dPMon End Patrol
COMMENT: Thu Sep 26 03:36:18 GMT 1996
QP: 110,125,200,215-225,235-240,250,255
epl: 290 from 0130-0213UT
rv to 1.20
Possible disappearing filament earlier in day
No coronal activity
Tapes:
LowL: L00418
MKIII: H01395
CHIP: C00136
PMON: P00719
SCAN-LOG
SCAN-LOG 16:41:57. 9/25/96 DOY 269

20:42:08	20:45:21	2049 0 CL	20:52:31	2056 15CL
21:01:17	21:04:50	21:08:03	21:11:19	21:14:32
21:17:46	21:20:58	21:24:12	21:27:25	21:30:38
21:33:51	21:37:04	21:40:17	21:43:33	21:46:45
22:39:18	22:42:31	23:01:29	23:04:44	23:07:57
23:11:12	23:14:27	23:17:45	23:20:59	23:24:14
23:27:28	23:30:41	23:33:53	23:37:07	23:40:19
23:43:32	23:46:45	0:33:11	0:36:24	0:39:39
0:42:51	0:46:09	0:49:22	0:52:35	0:55:47
0:59:01	1:02:13	1:05:27	1:08:40	1:11:58
1:15:11	1:18:24	1:21:37	1:24:51	1:28:03
1:31:18	1:34:30	1:37:49	1:41:01	1:44:15
1:47:27	1:50:41	1:53:54	1:57:12	2:00:27
2:03:40	2:06:53	2:10:07	2:13:19	2:16:34
2:19:47	2:23:05	2:26:17	2:29:31	2:32:44
2:35:57	2:39:10	2:42:23	2:45:36	2:48:49
2:52:01	2:55:15	2:58:27	3:01:41	3:04:53
3:08:06	3:11:19	3:14:32	3:17:45	3:21:00
3:24:14	3:27:32			

0 ERRORS

OK

!SCRIPT !SCRIPT ?