
Mauna Loa Solar Observatory Observer's Log

Wed Aug 14 16:35:36 GMT 1996

Year: 96 Doy: 227

Observer: yasukawa

WEATHER COMMENT: Wed Aug 14 16:35:46 GMT 1996

Cool, clear, southeast wind.

CHIP Startup--Initializing new tape

Wed Aug 14 16:42:46 GMT 1996 dPMon Start Patrol

Wed Aug 14 16:43:08 GMT 1996 CHIP CHIP Start Patrol

MKIII COMMENT: Wed Aug 14 16:47:19 GMT 1996

Before starting up, I checked seating of analog corrector cards and two of them were indeed loosely seated as DAK described.

I reseated them and there was a bit of extra effort required to seat them firmly, but there was a difference in seating.

At startup, oscilloscope sync'd up as soon as the microprocessor kicked in.

Wed Aug 14 17:00:52 GMT 1996 dPMon Flat

Wed Aug 14 17:01:48 GMT 1996 dPMon End Flat

Wed Aug 14 17:03:43 GMT 1996 CHIP Bias

Wed Aug 14 17:05:02 GMT 1996 CHIP End Bias

Wed Aug 14 17:05:13 GMT 1996 CHIP Water

Wed Aug 14 17:05:52 GMT 1996 CHIP End Water

MKIII COMMENT: Wed Aug 14 17:11:31 GMT 1996

Checked corrector tables on 11/44 disk and they are not corrupted from table stored in file on nene. Anyhow, rings are common to both channels, I am told, so problem is not occurring anywhere channels are separate.

Wed Aug 14 18:00:51 GMT 1996 dPMon Flat

Wed Aug 14 18:01:45 GMT 1996 dPMon End Flat

Wed Aug 14 18:02:54 GMT 1996 CHIP Bias

Wed Aug 14 18:04:08 GMT 1996 CHIP End Bias

Wed Aug 14 18:04:18 GMT 1996 CHIP Water

Wed Aug 14 18:05:02 GMT 1996 CHIP End Water

MKIII COMMENT: Wed Aug 14 18:39:05 GMT 1996

I just noticed that the phasing, of chan 0 at least, was off.

I noticed this while entering calibration values into the cal notebook. Peaks were at 148-150 degrees and not around 180 where they normally are. Peaks are OK today.

MKIII COMMENT: Wed Aug 14 18:45:27 GMT 1996

Phasing was off for DOY 225.

MKIII COMMENT: Wed Aug 14 18:53:03 GMT 1996

Saved NMAP image for DOY 225 got hosed somehow, says it is chan 3, there is no coronal contours but Darryl has an Activity (SBH) listing for image. It may have gotten hosed in the FLIP after activity was done. Because of this situation it isn't clear whether the phasing was wrong at any time other

than the 15TLT cal scan.

MKIII COMMENT: Wed Aug 14 18:57:38 GMT 1996

Image stored in HISTORY is correct channel so something happened after the image was taken.

Wed Aug 14 19:00:56 GMT 1996	dPMon	Flat
Wed Aug 14 19:01:53 GMT 1996	dPMon	End Flat
Wed Aug 14 19:05:09 GMT 1996	CHIP	Bias
Wed Aug 14 19:06:19 GMT 1996	CHIP	End Bias
Wed Aug 14 19:06:27 GMT 1996	CHIP	Water
Wed Aug 14 19:07:01 GMT 1996	CHIP	End Water

MKIII COMMENT: Wed Aug 14 19:21:54 GMT 1996

Turned off NOAA PC for a while to see if it is putting noise into system somehow.

MKIII COMMENT: Wed Aug 14 19:29:22 GMT 1996

PGA monitor scope has a strange noise going thru it that I hadn't noticed before. Seems localized to the scope.

CHIP COMMENT: Wed Aug 14 19:40:42 GMT 1996

CHIP stopped at FixCenter, Optics Busy. If it doesn't change in a bit I will do a fix attempt.

CHIP COMMENT: Wed Aug 14 19:44:10 GMT 1996

Fixed.

COMMENT: Wed Aug 14 19:44:21 GMT 1996

Stopping to reconfigure dome shutter.

Wed Aug 14 19:44:58 GMT 1996	dPMon	End Patrol
Wed Aug 14 19:46:42 GMT 1996	CHIP	CHIP End Patrol
Wed Aug 14 19:53:12 GMT 1996	dPMon	Start Patrol
Wed Aug 14 19:53:16 GMT 1996	CHIP	CHIP Start Patrol
Wed Aug 14 20:02:54 GMT 1996	dPMon	Flat
Wed Aug 14 20:03:53 GMT 1996	dPMon	End Flat
Wed Aug 14 20:04:38 GMT 1996	CHIP	Gain

MKIII COMMENT: Wed Aug 14 20:04:59 GMT 1996

Turning NOAA PC back on. VDIFFs of images taken during shutdown were rather quiet.

Wed Aug 14 20:09:25 GMT 1996	CHIP	End Gain
Wed Aug 14 20:09:35 GMT 1996	CHIP	Bias
Wed Aug 14 20:10:16 GMT 1996	CHIP	End Bias
Wed Aug 14 20:10:27 GMT 1996	CHIP	Water
Wed Aug 14 20:10:57 GMT 1996	CHIP	End Water

MKIII COMMENT: Wed Aug 14 20:22:16 GMT 1996

Noise is back.

MKIII COMMENT: Wed Aug 14 20:23:20 GMT 1996

Turned NOAA pc off again.

MKIII COMMENT: Wed Aug 14 20:44:15 GMT 1996

VDIFF between two OFF periods relatively quiet.

MKIII COMMENT: Wed Aug 14 20:44:57 GMT 1996

Turning NOAA PC back on.

Wed Aug 14 21:02:52 GMT 1996	dPMon	Flat
Wed Aug 14 21:03:45 GMT 1996	dPMon	End Flat

MKIII COMMENT: Wed Aug 14 21:04:27 GMT 1996
Patterned noise in VDIFF between off and on scans back.

Wed Aug 14 21:04:47 GMT 1996 CHIP Bias

MKIII COMMENT: Wed Aug 14 21:05:47 GMT 1996

Turned NOAA computer off

Wed Aug 14 21:06:03 GMT 1996 CHIP End Bias

Wed Aug 14 21:06:12 GMT 1996 CHIP Water

Wed Aug 14 21:06:52 GMT 1996 CHIP End Water

MKIII COMMENT: Wed Aug 14 21:14:35 GMT 1996

Patterned VDIFF noise between previous off image and current off
image gone (minimal) again. Leaving NOAA computer off.

Wed Aug 14 22:02:57 GMT 1996 dPMon Flat

Wed Aug 14 22:03:52 GMT 1996 dPMon End Flat

Wed Aug 14 22:04:38 GMT 1996 CHIP Bias

Wed Aug 14 22:05:42 GMT 1996 CHIP End Bias

Wed Aug 14 22:05:53 GMT 1996 CHIP Water

Wed Aug 14 22:06:28 GMT 1996 CHIP End Water

Wed Aug 14 22:07:10 GMT 1996 dPMon End Patrol

Wed Aug 14 22:09:45 GMT 1996 CHIP CHIP End Patrol

Wed Aug 14 22:10:47 GMT 1996 CHIP ending tape

COMMENT: Wed Aug 14 22:11:26 GMT 1996

Activity report:

QP: 105-130; 227; 233; 250; 265; 275; 280; 290;

No coronal activity

Tapes: MKIII: H01363

DPMON: P00684

CHIP: C00101

LOWL: L00408

SCAN-LOG

SCAN-LOG 16:42:14. 8/14/96 DOY 227

16:49:41	16:52:57	16:56:11	16:59:27	17:02:40
17:05:58	17:09:12	17:12:25	17:15:37	17:18:50
17:22:02	17:25:15	17:28:28	17:31:41	17:34:53
17:38:07	17:41:19	17:44:32	17:47:43	17:51:01
17:54:12	17:57:24	18:00:36	18:03:47	18:06:58
18:10:10	18:13:21	18:16:34	18:19:45	1824 0 CL
18:27:54	1833 15CL	18:38:32	18:43:12	18:46:24
18:49:38	18:52:50	18:56:03	18:59:17	19:02:35
19:05:48	19:09:02	19:12:16	19:15:30	19:18:44
19:22:01	19:25:14	19:28:28	19:31:42	19:35:00
19:38:12	19:41:25	19:44:37	19:54:09	19:57:21
20:00:35	20:03:48	20:07:01	20:10:12	20:13:24
20:16:35	20:19:48	20:23:01	20:26:13	20:29:24
20:32:41	20:35:54	20:39:08	20:42:20	20:45:32
20:48:42	20:51:54	20:55:05	20:58:17	21:01:28
21:04:45	21:07:57	21:11:11	21:14:23	21:17:40
21:20:51	21:24:02	21:27:13	21:30:25	21:33:36

21:36:48
21:52:48

21:40:00
21:56:00

21:43:13
21:59:11

21:46:26
22:02:23

21:49:38
22:05:34

0 ERRORS

OK