
Mauna Loa Solar Observatory Observer's Log

Tue Jul 27 16:21:12 GMT 1999

Year: 99 Doy: 208

Observer: yasukawa

WEATHER COMMENT: Tue Jul 27 16:21:34 GMT 1999

Cool, clear, brisk east wind, cloud bank very high to east.

Tue Jul 27 16:28:24 GMT 1999 CHIP Startup--Initializing new tape

Tue Jul 27 16:30:23 GMT 1999 CHIP CHIP Start Patrol

Tue Jul 27 16:30:42 GMT 1999 PICS Start Patrol

Tue Jul 27 16:32:03 GMT 1999 MKIV Start Patrol

Tue Jul 27 17:00:50 GMT 1999 CHIP Bias

MKIV PROBLEM: Tue Jul 27 17:01:19 GMT 1999

There was a funny in the NW sector of MKIV and MKIII images. Looked down tube and saw a large chip of something resting on the slot mask. Stopping to remove object. This is what might have caused the "chip" incident a few weeks ago.

Tue Jul 27 17:13:41 GMT 1999 MKIV Start Patrol

MKIV PROBLEM: Tue Jul 27 17:13:51 GMT 1999

"chip" was a piece of rubber gasket material, possibly from the air circulation system (corrugated aluminum hoses/filtration box/fans). I could not see anything inside the light tube that indicated any rubber gaskets, much less a broken one. Piece was approximately 2-inches long and 1/2-inch wide at its widest, kinda fingernail-shaped. It is out of the system now.

**** EVENT COMMENT ****: Tue Jul 27 17:20:01 GMT 1999

Active region continues. PA 65-90.

MKIV PROBLEM: Tue Jul 27 17:43:03 GMT 1999

Stopping MKIV to reboot the KCC to pick up new code that David hopes will reduce the noise in the MKIV.

Tue Jul 27 17:52:36 GMT 1999 MKIV Start Patrol

MKIV PROBLEM: Tue Jul 27 17:53:20 GMT 1999

Having difficulty getting barrel to go anywhere it recognizes.

MKIV PROBLEM: Tue Jul 27 17:56:45 GMT 1999

Patrol is finally scanning, but I do not see any coronal signal in the image display.

Tue Jul 27 18:00:50 GMT 1999 CHIP Bias

Tue Jul 27 18:01:41 GMT 1999 CHIP End Bias

Tue Jul 27 18:01:51 GMT 1999 CHIP Water

Tue Jul 27 18:02:01 GMT 1999 PICS Flat

Tue Jul 27 18:02:31 GMT 1999 CHIP End Water

Tue Jul 27 18:04:35 GMT 1999 PICS End Flat

MKIV PROBLEM: Tue Jul 27 18:11:26 GMT 1999

Data was there, David fixed display gains so we can see the data. Rebooted KCC to pick up new code. This time, I did an End Day (twice) to run the barrel to the north like when we shut down to allow the barrel to start at a familiar PA after the KCC reset.

****MKIV PROBLEM****: Tue Jul 27 18:14:42 GMT 1999
 Still cannot see image on display, even at the highest available gain (4). Assuming data is still there so I will run it, utilizing MKIII Xanim display to monitor corona until David gets back to fix the problem.

Tue Jul 27 18:21:20 GMT 1999	MKIV	Start Cal
Tue Jul 27 19:02:56 GMT 1999	PICS	polarization_calibration
Tue Jul 27 19:02:56 GMT 1999	PICS	polarization_calibration
Tue Jul 27 19:03:50 GMT 1999	CHIP	End Bias
Tue Jul 27 19:04:09 GMT 1999	CHIP	Water
Tue Jul 27 19:04:55 GMT 1999	CHIP	End Water
Tue Jul 27 19:08:28 GMT 1999	MKIV	Start Patrol

****MKIV PROBLEM****: Tue Jul 27 19:36:57 GMT 1999
 Stopping again to reset the KCC to pick up recompiled code. I will reconfigure dome shutter while the KCC is rebooting.

Tue Jul 27 19:38:23 GMT 1999	PICS	End Patrol
Tue Jul 27 19:38:31 GMT 1999	CHIP	CHIP End Patrol
Tue Jul 27 19:44:50 GMT 1999	MKIV	Start Patrol
Tue Jul 27 19:44:57 GMT 1999	CHIP	CHIP Start Patrol
Tue Jul 27 19:44:57 GMT 1999	CHIP	CHIP Start Patrol

****MKIV PROBLEM****: Tue Jul 27 19:46:05 GMT 1999
 KCC display image is still null. I will try powering down and restarting after I get back to idle.

Tue Jul 27 20:00:52 GMT 1999	CHIP	Gain
Tue Jul 27 20:02:07 GMT 1999	MKIV	Start Patrol

****MKIV PROBLEM****: Tue Jul 27 20:03:14 GMT 1999
 Display still not putting out any coronal image. May be down until David gets back from vacation Aug 16.

Tue Jul 27 20:05:27 GMT 1999	CHIP	End Gain
Tue Jul 27 20:05:48 GMT 1999	CHIP	Bias
Tue Jul 27 20:06:46 GMT 1999	CHIP	End Bias
Tue Jul 27 20:07:01 GMT 1999	CHIP	Water
Tue Jul 27 20:07:39 GMT 1999	CHIP	End Water
Tue Jul 27 21:01:48 GMT 1999	CHIP	Bias
Tue Jul 27 21:02:46 GMT 1999	CHIP	End Bias
Tue Jul 27 21:03:08 GMT 1999	CHIP	Water
Tue Jul 27 21:03:56 GMT 1999	CHIP	End Water
Tue Jul 27 22:01:49 GMT 1999	CHIP	Bias
Tue Jul 27 22:02:42 GMT 1999	CHIP	End Bias
Tue Jul 27 22:02:55 GMT 1999	CHIP	Water
Tue Jul 27 22:03:39 GMT 1999	CHIP	End Water

****MKIV PROBLEM****: Tue Jul 27 22:05:45 GMT 1999
 David rebuilt all of the subdirectories. Stopped and rebooting.

Tue Jul 27 22:08:45 GMT 1999	MKIV	Start Patrol
Tue Jul 27 22:16:31 GMT 1999	MKIV	End Patrol
Tue Jul 27 22:23:14 GMT 1999	MKIV	Start Patrol

PICS COMMENT: Tue Jul 27 22:33:17 GMT 1999
 Stopping PICS. Cannot keep both PICS and MKIV in slot at this time.

MKIV PROBLEM:

Tue Jul 27 22:34:13 GMT 1999
Determined that gains were set too high and image was saturated by looking at MKIV image at .25. Corona was visible and "hot" at this gain setting. David reset the gains and we now have a good range, corona is back! MKIII image gain was also changed so David adjusted it. Waiting for scan to finish to reset KCC to pick up new changes.

Tue Jul 27 22:42:49 GMT 1999 MKIV Start Patrol

MKIV PROBLEM:

Tue Jul 27 22:47:30 GMT 1999
Both MKIII and MKIV gain ranges for the KCC display look good.

Shutting down for the day before I break something else and David won't be able to leave for his vacation.

Tue Jul 27 22:50:09 GMT 1999 CHIP ending tape

COMMENT: Tue Jul 27 22:52:49 GMT 1999

TAPES:

MKIV: 99-208

PICS: P01498

CHIP: C00876

LOWL: L00615

Tue Jul 27 22:54:43 GMT 1999

MkIII

16_32.rawmk3	17_59.rawmk3	19_28.rawmk3	20_47.rawmk3	21_51.rawmk3
16_35.rawmk3	18_13.rawmk3	19_32.rawmk3	20_51.rawmk3	21_55.rawmk3
16_39.rawmk3	18_17.rawmk3	19_35.rawmk3	20_55.rawmk3	21_59.rawmk3
16_43.rawmk3	18_25.rawmk3	19_44.rawmk3	20_58.rawmk3	22_08.rawmk3
16_46.rawmk3	18_33.rawmk3	19_48.rawmk3	21_02.rawmk3	22_12.rawmk3
16_50.rawmk3	18_41.rawmk3	20_02.rawmk3	21_06.rawmk3	22_23.rawmk3
16_54.rawmk3	18_45.rawmk3	20_06.rawmk3	21_10.rawmk3	22_27.rawmk3
16_58.rawmk3	18_49.rawmk3	20_10.rawmk3	21_14.rawmk3	22_30.rawmk3
17_13.rawmk3	18_53.rawmk3	20_13.rawmk3	21_17.rawmk3	22_34.rawmk3
17_17.rawmk3	18_56.rawmk3	20_17.rawmk3	21_21.rawmk3	22_42.rawmk3
17_21.rawmk3	19_00.rawmk3	20_21.rawmk3	21_25.rawmk3	22_46.rawmk3
17_25.rawmk3	19_04.rawmk3	20_25.rawmk3	21_29.rawmk3	c18_21.rawmk3
17_28.rawmk3	19_08.rawmk3	20_28.rawmk3	21_33.rawmk3	c18_29.rawmk3
17_32.rawmk3	19_12.rawmk3	20_32.rawmk3	21_36.rawmk3	c18_37.rawmk3
17_36.rawmk3	19_16.rawmk3	20_36.rawmk3	21_40.rawmk3	
17_40.rawmk3	19_20.rawmk3	20_40.rawmk3	21_44.rawmk3	
17_54.rawmk3	19_23.rawmk3	20_43.rawmk3	21_48.rawmk3	