
Mauna Loa Solar Observatory Observer's Log

Fri Jan 19 17:18:30 GMT 2001

Year: 01 Doy: 019

Observer: yasukawa

WEATHER COMMENT: Fri Jan 19 17:19:10 GMT 2001

Cold, clear, brisk southeast wind.

Fri Jan 19 17:28:29 GMT 2001 CHIP Start 7 Passband Patrol

Fri Jan 19 17:28:36 GMT 2001 PICS Start Patrol

PICS PROBLEM : Fri Jan 19 17:32:26 GMT 2001

Cover was still on at startup.

PSPT PROBLEM : Fri Jan 19 17:37:22 GMT 2001

Adjusted dome position with dome goto tweak, cal and ephm.

Startup completed with pspt looking halfway into left side of dome slot wall.

Fri Jan 19 17:39:17 GMT 2001 MKIV Start Patrol

Fri Jan 19 18:04:08 GMT 2001 PICS Flat

Fri Jan 19 18:07:52 GMT 2001 PICS End Flat

Fri Jan 19 18:31:32 GMT 2001 MKIV Start Patrol

Fri Jan 19 18:34:58 GMT 2001 MKIV Start Patrol

MKIV PROBLEM : Fri Jan 19 18:33:07 GMT 2001

David changed flc phasing by 960th of a second. Q and U real-time images were expected to be wierd, but they looked OK this morning. Xanim .gif images looked noisy though. We stopped scans and did "ltc" from akamai with the shutter in, opal, and opal/15tlt. Restarted patrol. No raw image so rebooted kcc as has been the usual SOP after these tests. We will now take data and a calibration with the flc phasing change while David mulls the ltc test results.

GONG COMMENT: Fri Jan 19 19:05:53 GMT 2001

Going down to GONG to take care of a request.

GONG COMMENT: Fri Jan 19 19:31:58 GMT 2001

Back from GONG.

MKIV PROBLEM : Fri Jan 19 19:49:01 GMT 2001

Stopped scans. Downloading new kcc code with a 960th of a second change in phasing of the demodulation.

Fri Jan 19 19:50:37 GMT 2001 MKIV Start Patrol

MKIV PROBLEM : Fri Jan 19 19:52:25 GMT 2001

OK, this time the Q signal is "flat", no coronal signal apparent and the U component appears to have a weak coronal signal in it.

MKIV PROBLEM : Fri Jan 19 19:58:25 GMT 2001

Downloading another version of kcc code and trying another scan.

Fri Jan 19 20:00:06 GMT 2001 MKIV Start Patrol

Fri Jan 19 20:00:53 GMT 2001 CHIP LSD

Fri Jan 19 20:03:36 GMT 2001 CHIP End LSD

Fri Jan 19 20:03:49 GMT 2001 CHIP BiasLSD

Fri Jan 19 20:04:39 GMT 2001 CHIP End BiasLSD

Fri Jan 19 20:04:53 GMT 2001 CHIP Bias7

Fri Jan 19 20:05:53 GMT 2001 CHIP End Bias7

****MKIV PROBLEM****: Fri Jan 19 20:06:06 GMT 2001
Again, the Q image is mostly flat and the U image has a weak coronal signal in it.

****MKIV PROBLEM****: Fri Jan 19 20:08:43 GMT 2001
Downloading another kcc code tweak and trying another scan.
Fri Jan 19 20:10:32 GMT 2001 MKIV Start Patrol

****MKIV PROBLEM****: Fri Jan 19 20:15:46 GMT 2001
The Q signal looks like good coronal signal and the U signal appears to have a very, very weak coronal signal in it.

****MKIV PROBLEM****: Fri Jan 19 20:33:55 GMT 2001
Setting up for a photon transfer curve test.
Stopped mk4

put shutter in
powered down flc drive in back of kcc rack
removing cover to pig trough housing the camera
attaching scope to camera output
attempting to adjust light seen by camera to provide a near saturated signal and a near dark signal.

Fri Jan 19 21:40:52 GMT 2001 MKIV Start Patrol
Fri Jan 19 21:44:53 GMT 2001 MKIV Start Patrol

****MKIV PROBLEM****: Fri Jan 19 21:46:18 GMT 2001
In order to get a light level to appear on the scope, I had to position a magnifying mirror to concentrate a beam ~1/3 the diameter of the mirror onto the prism to reflect enough light down to the camera.

With the light coming from other than the telescope, to eliminate the modulated signal, and with it set up as previously described, I took an ltc scan with the maximum signal near 1-volt, then with the maximum signal near 1/2-volt (minimum signal near zero with a full range of voltage levels across the ccd), and another ltc scan with the mk4 set back up for observation, but with the barrel stopped at the same (180) position.

With everything restored, I resumed Patrol.
Fri Jan 19 22:03:51 GMT 2001 CHIP End Patrol
Fri Jan 19 22:03:55 GMT 2001 PICS End Patrol
Fri Jan 19 22:11:27 GMT 2001
MkIV

17_39.rawmk4	18_11.rawmk4	19_08.rawmk4	19_41.rawmk4	21_53.rawmk4
17_42.rawmk4	18_14.rawmk4	19_11.rawmk4	19_44.rawmk4	21_56.rawmk4
17_45.rawmk4	18_17.rawmk4	19_14.rawmk4	19_51.rawmk4	21_59.rawmk4
17_48.rawmk4	18_35.rawmk4	19_17.rawmk4	19_54.rawmk4	22_02.rawmk4
17_51.rawmk4	18_38.rawmk4	19_20.rawmk4	20_01.rawmk4	22_05.rawmk4
17_54.rawmk4	18_44.rawmk4	19_23.rawmk4	20_04.rawmk4	c18_41.rawmk4
17_57.rawmk4	18_50.rawmk4	19_26.rawmk4	20_11.rawmk4	c18_47.rawmk4
18_00.rawmk4	18_56.rawmk4	19_29.rawmk4	20_14.rawmk4	c18_53.rawmk4
18_03.rawmk4	19_00.rawmk4	19_32.rawmk4	21_44.rawmk4	

18_06.rawmk4 19_03.rawmk4 19_35.rawmk4 21_47.rawmk4
18_09.rawmk4 19_05.rawmk4 19_38.rawmk4 21_50.rawmk4