
Mauna Loa Solar Observatory Observer's Log

Fri Oct 8 16:37:28 GMT 1999

Year: 99 Doy: 281

Observer: yasukawa

WEATHER COMMENT: Fri Oct 8 16:40:52 GMT 1999

Cool, in continued cirrostratus, thinner today, brisk southeast wind.

Fri Oct 8 16:52:43 GMT 1999 CHIP Startup--Initializing new tape

Fri Oct 8 16:53:24 GMT 1999 PICS Start Patrol

Fri Oct 8 16:55:12 GMT 1999 CHIP CHIP Start Patrol

Fri Oct 8 17:00:05 GMT 1999 MKIV Start Patrol

Fri Oct 8 17:02:03 GMT 1999 CHIP Bias

Fri Oct 8 17:02:56 GMT 1999 CHIP End Bias

Fri Oct 8 17:03:05 GMT 1999 CHIP Water

Fri Oct 8 17:03:47 GMT 1999 CHIP End Water

MKIV PROBLEM Fri Oct 8 17:16:01 GMT 1999

Getting error messages at end of each scan. Sun looking at dome wall and also looking thru cirrus. San images are radially streaked.

Resetting KCC to see what goes away.

Fri Oct 8 17:30:08 GMT 1999 MKIV Start Patrol

WEATHER COMMENT: Fri Oct 8 17:35:10 GMT 1999

clear but bright sky or thin cirrus.

Fri Oct 8 18:00:38 GMT 1999 PICS Flat

Fri Oct 8 18:00:59 GMT 1999 CHIP Bias

Fri Oct 8 18:02:02 GMT 1999 CHIP End Bias

Fri Oct 8 18:02:18 GMT 1999 CHIP Water

Fri Oct 8 18:03:14 GMT 1999 PICS End Flat

Fri Oct 8 18:03:14 GMT 1999 PICS End Flat

MKIV COMMENT: Fri Oct 8 18:12:00 GMT 1999

Moderate thickness cirrus moved in during calibration.

MKIV PROBLEM Fri Oct 8 18:39:55 GMT 1999

Checked out 64/rot signal at various points. Looked thru old micro drawings and did not see any special termination for the modulator signals that came down from the encoder. 64/rot signal looked clean and sharp at the input from the spar at the old microprocessor digital isolator panel test points in the rear of the MKIV rack, at the output of U42 (optoisolator pin 7) on the transformation board and at the output of U36 (OR gate pin 3) on the transformation board. Output of U36 was 4V and did not look loaded down by the number of gates it needed to feed, no ringing or rounded edges apparent.

Fri Oct 8 18:48:13 GMT 1999 MKIV Start Patrol

MKIV PROBLEM Fri Oct 8 18:51:03 GMT 1999

Fri Oct 8 19:01:05 GMT 1999 CHIP Bias

Fri Oct 8 19:01:33 GMT 1999 PICS polarization_calibration

Fri Oct 8 19:02:18 GMT 1999 CHIP End Bias

Fri Oct 8 19:02:31 GMT 1999 CHIP Water

Fri Oct 8 19:03:12 GMT 1999 CHIP End Water

LOW-L COMMENT: Fri Oct 8 19:05:04 GMT 1999

Changed setpoint of wing2 controller to 134.0 as requested by Tomczyk several days ago. Ron sent instructions on how to do that yesterday afternoon (controller was changed out and no longer responds to computer input as before). Setpoint was 133.1 not 130 as mentioned by Steve.

WEATHER COMMENT: Fri Oct 8 19:26:27 GMT 1999

Clear hole.

MKIV COMMENT: Fri Oct 8 19:29:58 GMT 1999

1924 scan was good, Attempting another cal, hole may contain thin cirrus occasionally.

****MKIV PROBLEM****: Fri Oct 8 19:31:09 GMT 1999

Xanim image does not look good (1924 and 1927). Image is almost dark grey background and white inner corona with no grey scale in between.

WEATHER COMMENT: Fri Oct 8 19:35:59 GMT 1999

In cirrus streak.

Fri Oct 8 20:00:59 GMT 1999	CHIP	Gain
Fri Oct 8 20:06:48 GMT 1999	CHIP	End Gain
Fri Oct 8 20:06:59 GMT 1999	CHIP	Bias
Fri Oct 8 20:07:54 GMT 1999	CHIP	End Bias
Fri Oct 8 20:08:06 GMT 1999	CHIP	Water
Fri Oct 8 20:08:48 GMT 1999	CHIP	End Water

LOW-L COMMENT: Fri Oct 8 20:09:22 GMT 1999

Set point changed to 138.0, a net change of 5 degrees from where it was originally set (actually 4.9 degrees net). This change was clarified by Steve.

Changed gui to reflect the change.

****MKIV PROBLEM****: Fri Oct 8 20:39:42 GMT 1999

Looked at the differential outputs from the drivers connected to the output of U36 on the transformation board and found all outputs to be sharp, clean square waves except for the outputs of U15 pin 11, U16 pin 3 and U16 pin 6, which were almost flat except for very low-level square wave, probably due to leakage.

MKIV COMMENT: Fri Oct 8 20:47:39 GMT 1999

Stopped after cal, in moderate to thin cirrus overcast.

Fri Oct 8 21:00:59 GMT 1999	CHIP	Bias
Fri Oct 8 21:01:57 GMT 1999	CHIP	End Bias
Fri Oct 8 21:02:08 GMT 1999	CHIP	Water
Fri Oct 8 21:02:53 GMT 1999	CHIP	End Water
Fri Oct 8 22:00:59 GMT 1999	CHIP	Bias
Fri Oct 8 22:02:00 GMT 1999	CHIP	End Bias
Fri Oct 8 22:02:11 GMT 1999	CHIP	Water
Fri Oct 8 22:02:58 GMT 1999	CHIP	End Water

COMMENT: Fri Oct 8 22:03:59 GMT 1999

CHIP and PICS got domed out. Stopping.
atrol

Fri Oct 8 22:06:21 GMT 1999 CHIP CHIP End Patrol

COMMENT: Fri Oct 8 22:07:09 GMT 1999

Tapes:

MKIV: 99-281

PICS: P01568

CHIP: C00943

LOWL: L00633 in drive #0

Fri Oct 8 22:11:11 GMT 1999

MkIV

17_00.rawmk4	17_39.rawmk4	18_09.rawmk4	19_06.rawmk4	19_39.rawmk4
17_03.rawmk4	17_42.rawmk4	18_15.rawmk4	19_09.rawmk4	19_45.rawmk4
17_06.rawmk4	17_45.rawmk4	18_21.rawmk4	19_12.rawmk4	c18_06.rawmk4
17_09.rawmk4	17_48.rawmk4	18_48.rawmk4	19_15.rawmk4	c18_12.rawmk4
17_12.rawmk4	17_51.rawmk4	18_51.rawmk4	19_18.rawmk4	c18_18.rawmk4
17_15.rawmk4	17_54.rawmk4	18_54.rawmk4	19_21.rawmk4	c19_30.rawmk4
17_30.rawmk4	17_57.rawmk4	18_57.rawmk4	19_24.rawmk4	c19_36.rawmk4
17_33.rawmk4	18_00.rawmk4	19_00.rawmk4	19_27.rawmk4	c19_42.rawmk4
17_36.rawmk4	18_03.rawmk4	19_03.rawmk4	19_33.rawmk4	