
Mauna Loa Solar Observatory Observer's Log

Mon Oct 4 16:24:40 GMT 1999

Year: 99 Doy: 277

Observer: yasukawa

WEATHER COMMENT: Mon Oct 4 16:25:59 GMT 1999

Cool, clear, light south wind.

Mon Oct 4 16:26:51 GMT 1999 CHIP Startup--Initializing new tape

MKIII COMMENT: Mon Oct 4 16:38:41 GMT 1999

>>>> The last observations with MkIII were recorded Thursday September 30, 1999. The \$data/MkIII directory on nahenahe is gone. Data transfer from the k-coronameter control computer to nahenahe is strictly MkIV and all mention of MkIII has been removed. Scanlog picks up MkIV file names.

MKIV COMMENT: Mon Oct 4 16:42:34 GMT 1999

Software changes for MkIV today. There was a digital wrap around in I and Q at really low heights, possibly below useful height, but just in case, the corrector table has been changed for so that the lowest height has 1/2 the gain of yesterday.

The corrector table now smooths over the hairline positions. This way as the hairlines drift during the day, there will not be artifacts from the correct remaining in the data.

Sky transmission is picked up continuously now so that there should be fewer glitches at ends of scans.

Mon Oct 4 17:02:02 GMT 1999 CHIP Bias

Mon Oct 4 17:03:00 GMT 1999 CHIP End Bias

Mon Oct 4 17:03:10 GMT 1999 CHIP Water

Mon Oct 4 17:03:56 GMT 1999 CHIP End Water

Mon Oct 4 17:23:55 GMT 1999 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 17:29:47 GMT 1999

Lost MkIV phasing this scan. Also lost it twice previously today.

This is seen as the corona going negative.

Mon Oct 4 17:32:51 GMT 1999 MKIV Start Patrol

Mon Oct 4 17:39:50 GMT 1999 MKIV Start Cal

Mon Oct 4 18:01:59 GMT 1999 CHIP Bias

Mon Oct 4 18:02:26 GMT 1999 PICS Flat

Mon Oct 4 18:03:00 GMT 1999 CHIP End Bias

Mon Oct 4 18:03:10 GMT 1999 CHIP Water

Mon Oct 4 18:03:52 GMT 1999 CHIP End Water

Mon Oct 4 18:04:41 GMT 1999 MKIV Start Patrol

Mon Oct 4 18:04:58 GMT 1999 PICS End Flat

Mon Oct 4 18:11:31 GMT 1999 MKIV Start Patrol

Mon Oct 4 18:30:17 GMT 1999 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 18:37:50 GMT 1999

Last two coronal scans run with the guider hat removed. In real-time there was no apparent change in "scattered light" as seen in the intensity to Q crosstalk. It is still significant at elevated height and worse in the West.

Mon Oct 4 18:40:36 GMT 1999 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 18:46:46 GMT 1999

Last pair of scans with guider hat off and with light trap removed.

It isn't much of a light trap as years of sunlight have baked off all the black anodizing.

Mon Oct 4 18:51:43 GMT 1999 MKIV Start Patrol

Mon Oct 4 19:00:28 GMT 1999 PICS polarization_calibration

MKIV COMMENT: Mon Oct 4 19:02:17 GMT 1999

No changes made an improvement in the -Q at elevated height. Any E-W asymmetry could be attributed to bright corona in the West.

Mon Oct 4 19:03:20 GMT 1999 CHIP End Bias

Mon Oct 4 19:03:31 GMT 1999 CHIP Water

Mon Oct 4 19:04:16 GMT 1999 CHIP End Water

Mon Oct 4 19:21:10 GMT 1999 MKIV Start Correct

MKIII COMMENT: Mon Oct 4 19:21:14 GMT 1999

Correct using new code which adjusts corrector table gain for sky transmission.

Mon Oct 4 19:22:42 GMT 1999 MKIV End Correct
Mon Oct 4 19:22:51 GMT 1999 MKIV Start Patrol
Mon Oct 4 19:25:08 GMT 1999 MKIV Start Patrol
Mon Oct 4 20:02:00 GMT 1999 CHIP Gain
Mon Oct 4 20:08:04 GMT 1999 CHIP End Gain
Mon Oct 4 20:08:22 GMT 1999 CHIP Bias
Mon Oct 4 20:08:45 GMT 1999 PICS End Patrol
Mon Oct 4 20:09:24 GMT 1999 CHIP End Bias
Mon Oct 4 20:09:41 GMT 1999 CHIP Water
Mon Oct 4 20:10:31 GMT 1999 CHIP End Water
Mon Oct 4 20:13:39 GMT 1999 CHIP CHIP End Patrol
Mon Oct 4 20:20:07 GMT 1999 MKIV Start Patrol
Mon Oct 4 20:20:17 GMT 1999 CHIP CHIP Start Patrol
Mon Oct 4 20:20:17 GMT 1999 CHIP CHIP Start Patrol

MKIV COMMENT: Mon Oct 4 20:27:46 GMT 1999

Working on spar, lost tracking temporarily.

Mon Oct 4 21:03:01 GMT 1999 CHIP Bias
Mon Oct 4 21:04:09 GMT 1999 CHIP End Bias
Mon Oct 4 21:04:20 GMT 1999 CHIP Water
Mon Oct 4 21:05:09 GMT 1999 CHIP End Water

MKIV COMMENT: Mon Oct 4 21:36:22 GMT 1999

All manner of stuff floating by in the image. Another Kona wind day.

Mon Oct 4 22:03:01 GMT 1999 CHIP Bias
Mon Oct 4 22:04:05 GMT 1999 CHIP End Bias
Mon Oct 4 22:04:17 GMT 1999 CHIP Water
Mon Oct 4 22:05:02 GMT 1999 CHIP End Water
Mon Oct 4 22:38:54 GMT 1999 MKIV Start Patrol
Mon Oct 4 22:57:55 GMT 1999 MKIV Start Patrol

MKIV COMMENT: Mon Oct 4 22:57:59 GMT 1999

short break to re-wire analog power transformer and move it into the ocp rack

Mon Oct 4 23:02:59 GMT 1999 CHIP Bias
Mon Oct 4 23:03:57 GMT 1999 CHIP End Bias
Mon Oct 4 23:04:12 GMT 1999 CHIP Water
Mon Oct 4 23:05:03 GMT 1999 CHIP End Water

MKIV COMMENT: Mon Oct 4 23:10:04 GMT 1999

Sky is REALLY bright. Scaling of scope trace indicates >40millionths.

There is a signature of saturation in the gif display.

WEATHER COMMENT: Mon Oct 4 23:36:42 GMT 1999

Sky too bright, either thin cirrus or haze from down below.

Shutting down.

COMMENT: Mon Oct 4 23:37:25 GMT 1999

Tapes:

MKIV: 99-277

PICS: P01566

CHIP: C00941

LOWL: L00631 in drive #0

99 CHIP CHIP End Patrol

Mon Oct 4 23:42:21 GMT 1999

MkIV

16_53.rawmk4	18_33.rawmk4	20_31.rawmk4	21_50.rawmk4	23_15.rawmk4
16_57.rawmk4	18_40.rawmk4	20_34.rawmk4	21_53.rawmk4	23_18.rawmk4
17_00.rawmk4	18_43.rawmk4	20_37.rawmk4	21_56.rawmk4	23_21.rawmk4
17_03.rawmk4	18_51.rawmk4	20_40.rawmk4	21_59.rawmk4	23_24.rawmk4
17_06.rawmk4	18_54.rawmk4	20_43.rawmk4	22_02.rawmk4	23_27.rawmk4
17_09.rawmk4	19_00.rawmk4	20_46.rawmk4	22_05.rawmk4	23_30.rawmk4
17_12.rawmk4	19_06.rawmk4	20_49.rawmk4	22_07.rawmk4	23_33.rawmk4
17_15.rawmk4	19_13.rawmk4	20_52.rawmk4	22_10.rawmk4	23_36.rawmk4
17_18.rawmk4	19_25.rawmk4	20_55.rawmk4	22_13.rawmk4	c17_39.rawmk4
17_23.rawmk4	19_28.rawmk4	20_58.rawmk4	22_16.rawmk4	c17_46.rawmk4
17_27.rawmk4	19_31.rawmk4	21_04.rawmk4	22_22.rawmk4	c17_52.rawmk4
17_33.rawmk4	19_34.rawmk4	21_10.rawmk4	22_29.rawmk4	c18_57.rawmk4
17_36.rawmk4	19_40.rawmk4	21_17.rawmk4	22_35.rawmk4	c19_03.rawmk4
17_42.rawmk4	19_46.rawmk4	21_20.rawmk4	22_38.rawmk4	c19_10.rawmk4

17_49.rawmk4	19_52.rawmk4	21_23.rawmk4	22_41.rawmk4	c19_37.rawmk4
17_55.rawmk4	19_55.rawmk4	21_26.rawmk4	22_44.rawmk4	c19_43.rawmk4
18_04.rawmk4	19_58.rawmk4	21_29.rawmk4	22_47.rawmk4	c19_49.rawmk4
18_07.rawmk4	20_01.rawmk4	21_32.rawmk4	22_57.rawmk4	c21_01.rawmk4
18_11.rawmk4	20_04.rawmk4	21_35.rawmk4	23_00.rawmk4	c21_07.rawmk4
18_14.rawmk4	20_20.rawmk4	21_38.rawmk4	23_03.rawmk4	c21_14.rawmk4
18_17.rawmk4	20_23.rawmk4	21_41.rawmk4	23_06.rawmk4	c22_19.rawmk4
18_20.rawmk4	20_26.rawmk4	21_44.rawmk4	23_09.rawmk4	c22_25.rawmk4
18_30.rawmk4	20_29.rawmk4	21_47.rawmk4	23_12.rawmk4	c22_32.rawmk4