
Mauna Loa Solar Observatory Observer's Log

Wed Mar 30 17:04:27 GMT 2011

Year: 11 Doy: 089

Observer: koon

WEATHER COMMENT: Wed Mar 30 17:04:28 GMT 2011

Clear sky, wind=13mph from the SE, temp=38F.

____end____

Wed Mar 30 17:10:12 GMT 2011 MKIV Start Patrol

Wed Mar 30 17:12:00 GMT 2011 H-ALPHA Start Patrol

Wed Mar 30 17:12:04 GMT 2011: PSPT Start Patrol

Wed Mar 30 17:15:01 GMT 2011 COMP Start Patrol

Wed Mar 30 17:14:58 GMT 2011 CHIP Start Patrol

Wed Mar 30 17:22:15 GMT 2011 H-ALPHA End Patrol

H-ALPHA PROBLEM COMMENT BY DARRYL:
Wed Mar 30 17:31:26 GMT 2011

This isn't pointed at sun, will repoint.

____end____

Wed Mar 30 17:50:47 GMT 2011 H-ALPHA Start Patrol

Wed Mar 30 18:00:45 GMT 2011 CHIP LSD

Wed Mar 30 18:02:13 GMT 2011 CHIP End LSD

Wed Mar 30 18:02:22 GMT 2011 CHIP BiasLSD

Wed Mar 30 18:02:59 GMT 2011 CHIP End BiasLSD

Wed Mar 30 18:03:18 GMT 2011 CHIP Bias

Wed Mar 30 18:03:29 GMT 2011 H-ALPHA Start Patrol

Wed Mar 30 18:04:00 GMT 2011 CHIP End Bias

Wed Mar 30 18:04:11 GMT 2011 CHIP ReStart Patrol

Wed Mar 30 18:06:40 GMT 2011 H-ALPHA Start Patrol

H-ALPHA COMMENT BY BEN: Wed Mar 30 18:13:55 GMT 2011

Repointed H-alpha telescope at the sun and realigned the interference filter

____end____

Wed Mar 30 18:24:30 GMT 2011: PSPT Start Patrol

H-ALPHA COMMENT BY BEN: Wed Mar 30 18:43:52 GMT 2011

Disk images look to saturate and get tagged at limb images starting at 18:38 changed disk integration time to 150, instead of 180microsecs

____end____

H-ALPHA COMMENT BY BEN: Wed Mar 30 18:45:05 GMT 2011

Before integration time change realtime processing was making disk images pure white, no orange/black disk and no blue background. After integration time change images look GREAT!

____end____

NOTE BY BEN: Wed Mar 30 18:53:32 GMT 2011

H-alpha going done to 130 because a few white images snuck through

____end____

H-ALPHA COMMENT BY BEN: Wed Mar 30 19:05:03 GMT 2011

Back to 150 integration time

____end____

Wed Mar 30 19:08:18 GMT 2011 MKIV End Patrol

Wed Mar 30 19:08:29 GMT 2011 MKIV Start Cal

Wed Mar 30 19:18:34 GMT 2011: PSPT Start Patrol
Wed Mar 30 19:27:23 GMT 2011 MKIV End Cal
Wed Mar 30 19:27:39 GMT 2011 MKIV Start Patrol
Wed Mar 30 20:02:02 GMT 2011 COMP End Patrol
Wed Mar 30 20:02:32 GMT 2011 COMP Start Patrol
NOTE BY DARRYL: Wed Mar 30 20:50:53 GMT 2011
Adjusted dome slot opening.

___end___

Wed Mar 30 21:10:17 GMT 2011 COMP End Patrol
Wed Mar 30 21:13:43 GMT 2011 COMP Start Patrol
Wed Mar 30 21:47:12 GMT 2011: PSPT Start Patrol
Wed Mar 30 22:07:48 GMT 2011 COMP End Patrol
Wed Mar 30 22:07:34 GMT 2011 CHIP End Patrol
NOTE BY BEN: Wed Mar 30 22:07:18 GMT 2011

Clouds starting to move in, idleing everying to check Chip optics before the clouds get too close

___end___

Wed Mar 30 22:08:45 GMT 2011 H-ALPHA End Patrol
Wed Mar 30 22:12:49 GMT 2011 MKIV End Patrol
Wed Mar 30 22:32:46 GMT 2011 CHIP Start Patrol
Wed Mar 30 22:39:45 GMT 2011 CHIP End Patrol
Thu Mar 31 01:52:35 GMT 2011 CHIP Start Patrol
Thu Mar 31 01:53:30 GMT 2011 H-ALPHA Start Patrol
Thu Mar 31 01:55:14 GMT 2011: PSPT Abort Patrol
Thu Mar 31 01:55:58 GMT 2011 CHIP Start Patrol
CHIP PROBLEM COMMENT BY BEN : Thu Mar 31 01:58:29 GMT 2011
After 1:40UT Chip images are running with tilted lyot filter

___end___

Thu Mar 31 02:03:54 GMT 2011 CHIP End Patrol
Thu Mar 31 02:19:15 GMT 2011 H-ALPHA End Patrol

CHIP PROBLEM COMMENT BY DARRYL : Thu Mar 31 02:11:49 GMT 2011

We checked out the CHIP today. Tilting the O1 and prefilter had no effect on the bad artifacts, translating the O1 and moving the Lyot filter to touch the camera and taping around the filter to camera interface didn't change anything. Tilting the Lyot filter towards the East moving the artifacts about 1/6 solar diameter to the East, that had the best results. It appears that the camera aperture doesn't match the height from the plate of the Lyot filter aperture. The camera (and now the Lyot filter) are tilted slightly to the East. The O1 is at least 0.25" North of center to get the image centered in the camera. We left the Lyot filter tilted, you can see the change in artifact position. Moving the Lyot filter away from the camera moved the artifacts back towards the West and enlarged them and made them slightly fainter. Enough for today, we'll think about it and try more things later.

___end___

Thu Mar 31 02:25:51 GMT 2011
MkIV

17_10.rawmk4 18_12.rawmk4 19_23.rawmk4 20_26.rawmk4 21_28.rawmk4

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| 17_13.rawmk4 | 18_15.rawmk4 | 19_27.rawmk4 | 20_29.rawmk4 | 21_31.rawmk4 |
| 17_16.rawmk4 | 18_17.rawmk4 | 19_30.rawmk4 | 20_32.rawmk4 | 21_34.rawmk4 |
| 17_19.rawmk4 | 18_20.rawmk4 | 19_33.rawmk4 | 20_35.rawmk4 | 21_37.rawmk4 |
| 17_22.rawmk4 | 18_23.rawmk4 | 19_36.rawmk4 | 20_38.rawmk4 | 21_40.rawmk4 |
| 17_25.rawmk4 | 18_26.rawmk4 | 19_39.rawmk4 | 20_41.rawmk4 | 21_43.rawmk4 |
| 17_27.rawmk4 | 18_29.rawmk4 | 19_42.rawmk4 | 20_44.rawmk4 | 21_45.rawmk4 |
| 17_30.rawmk4 | 18_32.rawmk4 | 19_45.rawmk4 | 20_47.rawmk4 | 21_48.rawmk4 |
| 17_33.rawmk4 | 18_35.rawmk4 | 19_48.rawmk4 | 20_49.rawmk4 | 21_51.rawmk4 |
| 17_36.rawmk4 | 18_38.rawmk4 | 19_51.rawmk4 | 20_52.rawmk4 | 21_54.rawmk4 |
| 17_39.rawmk4 | 18_41.rawmk4 | 19_54.rawmk4 | 20_55.rawmk4 | 21_57.rawmk4 |
| 17_42.rawmk4 | 18_44.rawmk4 | 19_57.rawmk4 | 20_58.rawmk4 | 22_00.rawmk4 |
| 17_45.rawmk4 | 18_47.rawmk4 | 19_59.rawmk4 | 21_01.rawmk4 | 22_03.rawmk4 |
| 17_48.rawmk4 | 18_50.rawmk4 | 20_02.rawmk4 | 21_04.rawmk4 | 22_06.rawmk4 |
| 17_51.rawmk4 | 18_53.rawmk4 | 20_05.rawmk4 | 21_07.rawmk4 | 22_09.rawmk4 |
| 17_54.rawmk4 | 18_56.rawmk4 | 20_08.rawmk4 | 21_10.rawmk4 | c19_08.rawmk4 |
| 17_57.rawmk4 | 18_59.rawmk4 | 20_11.rawmk4 | 21_13.rawmk4 | c19_14.rawmk4 |
| 18_00.rawmk4 | 19_02.rawmk4 | 20_14.rawmk4 | 21_16.rawmk4 | c19_20.rawmk4 |
| 18_03.rawmk4 | 19_05.rawmk4 | 20_17.rawmk4 | 21_19.rawmk4 | |
| 18_06.rawmk4 | 19_11.rawmk4 | 20_20.rawmk4 | 21_22.rawmk4 | |
| 18_09.rawmk4 | 19_17.rawmk4 | 20_23.rawmk4 | 21_25.rawmk4 | |