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Mauna Loa Solar Observatory Observer's Log  
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Wed Apr 10 16:55:08 GMT 2013

Year: 13 Doy: 100

Observer: berkey

Wed Apr 10 16:58:55 GMT 2013 CHIP Start Patrol

Wed Apr 10 16:59:33 GMT 2013 COMP Start Patrol

Wed Apr 10 17:04:41 GMT 2013: PSPT Start Patrol

Wed Apr 10 17:04:53 GMT 2013 MKIV Start Patrol

WEATHER COMMENT: Wed Apr 10 17:17:04 GMT 2013

wind 5mph from S, temp 39f, clear skies

\_\_\_\_end\_\_\_\_

MKIV COMMENT BY BEN: Wed Apr 10 17:17:21 GMT 2013

Had some U12 issues on start up this morning.

\_\_\_\_end\_\_\_\_

NOTE BY BEN: Wed Apr 10 17:17:35 GMT 2013

Sky tranmission display is very dim tried reseating the panel but it still does not look correct.

\_\_\_\_end\_\_\_\_

Wed Apr 10 18:02:41 GMT 2013 CHIP LSD

Wed Apr 10 18:04:34 GMT 2013 CHIP End LSD

Wed Apr 10 18:04:45 GMT 2013 CHIP BiasLSD

Wed Apr 10 18:05:51 GMT 2013 CHIP End BiasLSD

Wed Apr 10 18:06:02 GMT 2013 CHIP Bias

Wed Apr 10 18:06:45 GMT 2013 CHIP End Bias

Wed Apr 10 18:06:52 GMT 2013 CHIP ReStart Patrol

\*\*\*\*EVENT COMMENT BY BEN\*\*\*\*: Wed Apr 10 18:14:51 GMT 2013

Lots of promaince active seen near UT 130 and 290 this morning. With a flare in active region 1718 at 18:00UT

\_\_\_\_end\_\_\_\_

Wed Apr 10 18:39:53 GMT 2013 MKIV End Patrol

Wed Apr 10 18:39:59 GMT 2013 MKIV Start Cal

Wed Apr 10 18:58:49 GMT 2013 MKIV End Cal

Wed Apr 10 19:07:54 GMT 2013: PSPT Start Patrol

Wed Apr 10 19:15:24 GMT 2013 MKIV Start Patrol

Wed Apr 10 19:56:54 GMT 2013 COMP End Patrol

Wed Apr 10 19:56:58 GMT 2013 COMP Start Patrol

Wed Apr 10 20:02:18 GMT 2013 COMP End Patrol

Wed Apr 10 20:02:10 GMT 2013 CHIP End Patrol

Wed Apr 10 20:11:49 GMT 2013 CHIP Start Patrol

Wed Apr 10 20:12:21 GMT 2013 MKIV Start Patrol

Wed Apr 10 20:16:38 GMT 2013 COMP Start Patrol

NOTE BY BEN: Wed Apr 10 20:28:17 GMT 2013

Wind picking up, now 20mph from the West

\_\_\_\_end\_\_\_\_

NOTE BY BEN: Wed Apr 10 21:28:00 GMT 2013

Time fixed on Kii this morning at 17:23UT. At that time Kii clock was ~17:26UT

\_\_\_\_end\_\_\_\_

Wed Apr 10 23:02:41 GMT 2013 CHIP LSD

Wed Apr 10 23:04:30 GMT 2013 CHIP End LSD  
Wed Apr 10 23:04:42 GMT 2013 CHIP BiasLSD  
Wed Apr 10 23:05:23 GMT 2013 CHIP End BiasLSD  
Wed Apr 10 23:05:32 GMT 2013 CHIP Bias  
Wed Apr 10 23:06:05 GMT 2013 CHIP End Bias  
Wed Apr 10 23:06:12 GMT 2013 CHIP ReStart Patrol

NOTE BY BEN: Wed Apr 10 23:07:05 GMT 2013

Orrographic clouds effecting observing

\_\_\_\_end\_\_\_\_

Wed Apr 10 23:12:54 GMT 2013 COMP End Patrol  
Wed Apr 10 23:12:56 GMT 2013 COMP Start Patrol

NOTE BY BEN: Wed Apr 10 23:20:33 GMT 2013

Shabar time format changed to 24 hours

\_\_\_\_end\_\_\_\_

NOTE BY BEN: Wed Apr 10 23:24:43 GMT 2013

Deleted local shabar data from before 3/15

\_\_\_\_end\_\_\_\_

Thu Apr 11 00:07:41 GMT 2013: PSPT Start Patrol

NOTE BY BEN: Thu Apr 11 00:53:21 GMT 2013

SVN update of shabar removed the copy data to mlsoserver script. I think I have properly recreated it; but we will have to wait until later tonight to test it.

\_\_\_\_end\_\_\_\_

Thu Apr 11 01:08:24 GMT 2013 COMP End Patrol

Thu Apr 11 01:08:26 GMT 2013 CHIP End Patrol

Thu Apr 11 01:14:38 GMT 2013 MKIV End Patrol

Thu Apr 11 01:14:46 GMT 2013 MKIV Start Patrol

NOTE BY BEN: Thu Apr 11 01:14:48 GMT 2013

Lower shutter moved down

\_\_\_\_end\_\_\_\_

Thu Apr 11 01:15:08 GMT 2013 CHIP Start Patrol

\*\*\*\*EVENT COMMENT BY BEN\*\*\*\*: Thu Apr 11 01:19:25 GMT 2013

Active limb regions at PA130 and PA290 remain active. A large prominence erupted from PA290 at about 23UT

\_\_\_\_end\_\_\_\_

Thu Apr 11 01:21:11 GMT 2013 COMP Start Patrol

Thu Apr 11 02:16:19 GMT 2013 CHIP End Patrol

Thu Apr 11 02:16:37 GMT 2013 COMP End Patrol

Thu Apr 11 02:17:14 GMT 2013: PSPT Abort Patrol

Thu Apr 11 02:17:26 GMT 2013: PSPT Abort Patrol

Thu Apr 11 02:17:36 GMT 2013: PSPT Abort Patrol

Thu Apr 11 02:20:11 GMT 2013 MKIV End Patrol

Thu Apr 11 02:27:39 GMT 2013

MkIV

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|--------------|--------------|--------------|--------------|--------------|
| 00_00.rawmk4 | 01_44.rawmk4 | 18_27.rawmk4 | 20_51.rawmk4 | 22_34.rawmk4 |
| 00_03.rawmk4 | 01_47.rawmk4 | 18_30.rawmk4 | 20_54.rawmk4 | 22_37.rawmk4 |
| 00_06.rawmk4 | 01_50.rawmk4 | 18_33.rawmk4 | 20_57.rawmk4 | 22_40.rawmk4 |
| 00_09.rawmk4 | 01_53.rawmk4 | 18_36.rawmk4 | 21_00.rawmk4 | 22_43.rawmk4 |
| 00_12.rawmk4 | 01_56.rawmk4 | 18_43.rawmk4 | 21_03.rawmk4 | 22_46.rawmk4 |

|              |              |              |              |               |
|--------------|--------------|--------------|--------------|---------------|
| 00_15.rawmk4 | 01_59.rawmk4 | 18_49.rawmk4 | 21_06.rawmk4 | 22_49.rawmk4  |
| 00_18.rawmk4 | 02_02.rawmk4 | 18_55.rawmk4 | 21_09.rawmk4 | 22_52.rawmk4  |
| 00_21.rawmk4 | 02_04.rawmk4 | 19_15.rawmk4 | 21_12.rawmk4 | 22_55.rawmk4  |
| 00_24.rawmk4 | 02_07.rawmk4 | 19_18.rawmk4 | 21_15.rawmk4 | 22_58.rawmk4  |
| 00_27.rawmk4 | 02_10.rawmk4 | 19_21.rawmk4 | 21_18.rawmk4 | 23_01.rawmk4  |
| 00_30.rawmk4 | 02_13.rawmk4 | 19_24.rawmk4 | 21_21.rawmk4 | 23_04.rawmk4  |
| 00_32.rawmk4 | 02_16.rawmk4 | 19_27.rawmk4 | 21_24.rawmk4 | 23_07.rawmk4  |
| 00_35.rawmk4 | 17_04.rawmk4 | 19_30.rawmk4 | 21_27.rawmk4 | 23_10.rawmk4  |
| 00_38.rawmk4 | 17_08.rawmk4 | 19_33.rawmk4 | 21_29.rawmk4 | 23_13.rawmk4  |
| 00_41.rawmk4 | 17_11.rawmk4 | 19_36.rawmk4 | 21_32.rawmk4 | 23_16.rawmk4  |
| 00_44.rawmk4 | 17_14.rawmk4 | 19_38.rawmk4 | 21_35.rawmk4 | 23_19.rawmk4  |
| 00_47.rawmk4 | 17_17.rawmk4 | 19_41.rawmk4 | 21_38.rawmk4 | 23_22.rawmk4  |
| 00_50.rawmk4 | 17_24.rawmk4 | 19_44.rawmk4 | 21_41.rawmk4 | 23_25.rawmk4  |
| 00_53.rawmk4 | 17_28.rawmk4 | 19_47.rawmk4 | 21_44.rawmk4 | 23_28.rawmk4  |
| 00_56.rawmk4 | 17_31.rawmk4 | 19_50.rawmk4 | 21_47.rawmk4 | 23_30.rawmk4  |
| 00_59.rawmk4 | 17_34.rawmk4 | 19_53.rawmk4 | 21_50.rawmk4 | 23_33.rawmk4  |
| 01_02.rawmk4 | 17_38.rawmk4 | 19_56.rawmk4 | 21_53.rawmk4 | 23_36.rawmk4  |
| 01_05.rawmk4 | 17_44.rawmk4 | 19_59.rawmk4 | 21_56.rawmk4 | 23_39.rawmk4  |
| 01_08.rawmk4 | 17_48.rawmk4 | 20_12.rawmk4 | 21_59.rawmk4 | 23_42.rawmk4  |
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| 01_17.rawmk4 | 17_57.rawmk4 | 20_24.rawmk4 | 22_08.rawmk4 | 23_51.rawmk4  |
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| 01_23.rawmk4 | 18_06.rawmk4 | 20_30.rawmk4 | 22_14.rawmk4 | 23_57.rawmk4  |
| 01_26.rawmk4 | 18_09.rawmk4 | 20_33.rawmk4 | 22_17.rawmk4 | c18_40.rawmk4 |
| 01_29.rawmk4 | 18_12.rawmk4 | 20_36.rawmk4 | 22_20.rawmk4 | c18_46.rawmk4 |
| 01_32.rawmk4 | 18_15.rawmk4 | 20_39.rawmk4 | 22_23.rawmk4 | c18_52.rawmk4 |
| 01_35.rawmk4 | 18_18.rawmk4 | 20_42.rawmk4 | 22_26.rawmk4 |               |
| 01_38.rawmk4 | 18_21.rawmk4 | 20_45.rawmk4 | 22_28.rawmk4 |               |
| 01_41.rawmk4 | 18_24.rawmk4 | 20_48.rawmk4 | 22_31.rawmk4 |               |