
Mauna Loa Solar Observatory Observer's Log

Sun May 20 16:28:52 GMT 2012

Year: 12 Doy: 141

Observer: berkey

Sun May 20 16:50:47 GMT 2012: PSPT Start Patrol

Sun May 20 17:52:51 GMT 2012 H-ALPHA Start Patrol

Sun May 20 17:53:27 GMT 2012 MKIV Start Patrol

WEATHER COMMENT: Sun May 20 17:53:39 GMT 2012

light haze, temp 52f, wind 15mph from SE

____end____

Sun May 20 17:53:45 GMT 2012 CHIP Start Patrol

Sun May 20 17:58:06 GMT 2012 COMP Start Patrol

GENERAL PROBLEM COMMENT BY BEN: Sun May 20 17:53:56 GMT 2012

The main dome L-bracket that hold the shutter rack onto the drive pinion slipped and got wedged in next to the rack. When I arrived this morning I found the shutter motor could spin when power was applied but the shutter would not move.

The L-bracket was removed and reinstalled on top of the rack and the dome moves properly again.

My first couple attempts at re-installing the bracket were unsuccessful because I didn't have enough force pulling both the bracket and rack down onto the pinion gear. I found that using a few straps and the block and tackle hooked to the base of the lift

I could pull down on the rack just behind the drive motor and get good contact on the gear. From here I only need to apply a small force directly to the l-bracket to get everything to snug up.

What a way to start the morning.

____end____

NOTE BY BEN: Sun May 20 18:02:53 GMT 2012

mk4 sees a strong polarization, not sure why

____end____

Sun May 20 18:02:49 GMT 2012 CHIP LSD

Sun May 20 18:04:40 GMT 2012 CHIP End LSD

Sun May 20 18:04:58 GMT 2012 CHIP BiasLSD

Sun May 20 18:05:47 GMT 2012 CHIP End BiasLSD

Sun May 20 18:05:55 GMT 2012 CHIP Bias

Sun May 20 18:06:42 GMT 2012 CHIP End Bias

Sun May 20 18:06:50 GMT 2012 CHIP ReStart Patrol

Sun May 20 18:47:53 GMT 2012 MKIV End Patrol

Sun May 20 18:47:59 GMT 2012 MKIV Start Cal

MKIV COMMENT BY BEN: Sun May 20 18:57:30 GMT 2012

Tried a cal to see if moving stages in/out would fix the polarization signal. but things have continued to degrade (on both mk4 and comp) so it looks like it was a sky signal

____end____

Sun May 20 19:02:28 GMT 2012 COMP End Patrol

Sun May 20 19:06:46 GMT 2012 MKIV End Cal

Sun May 20 19:32:16 GMT 2012 MKIV End Patrol

Sun May 20 19:52:00 GMT 2012 CHIP End Patrol

Sun May 20 19:54:46 GMT 2012 H-ALPHA End Patrol

NOTE BY BEN: Sun May 20 19:59:28 GMT 2012

Tried to move shutter back down to release lower shutter. It is slipping again.

___end___

Sun May 20 23:10:42 GMT 2012 MKIV Start Patrol

Sun May 20 23:11:38 GMT 2012 H-ALPHA Start Patrol

Sun May 20 23:11:02 GMT 2012 CHIP Start Patrol

NOTE BY BEN: Sun May 20 23:13:30 GMT 2012

Replaced the L-bracket and pulled down a bit harder than this morning, and now the shutter appears to move up and down properly. Once we get close to eclipse time I will just down the main dome

Just in case the shutter fails again..

___end___

Sun May 20 23:21:25 GMT 2012 COMP Start Patrol

NOTE BY BEN: Sun May 20 23:27:06 GMT 2012

Noon seen in MK4 images :)

___end___

Mon May 21 00:15:18 GMT 2012 CHIP End Patrol

Mon May 21 00:16:41 GMT 2012 COMP End Patrol

Mon May 21 00:18:46 GMT 2012 H-ALPHA End Patrol

Mon May 21 00:21:31 GMT 2012 MKIV End Patrol

COMP PROBLEM COMMENT BY BEN : Mon May 21 00:27:07 GMT 2012

For some the comp observing script was not advancing around 2:10(hst) today. I watched 3 minutes tick by with no advance in recipe; looking at the data it looks like we dropped a lot of waves data.

___end___

NOTE BY BEN: Mon May 21 00:30:45 GMT 2012

Pspt is missing the NE region

___end___

Mon May 21 00:54:09 GMT 2012: PSPT Abort Patrol

Mon May 21 00:54:38 GMT 2012

MkIV

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|--------------|--------------|--------------|--------------|---------------|
| 00_00.rawmk4 | 18_02.rawmk4 | 18_31.rawmk4 | 23_19.rawmk4 | 23_48.rawmk4 |
| 00_03.rawmk4 | 18_05.rawmk4 | 18_34.rawmk4 | 23_22.rawmk4 | 23_51.rawmk4 |
| 00_06.rawmk4 | 18_08.rawmk4 | 18_40.rawmk4 | 23_25.rawmk4 | 23_54.rawmk4 |
| 00_09.rawmk4 | 18_11.rawmk4 | 18_44.rawmk4 | 23_28.rawmk4 | 23_57.rawmk4 |
| 00_12.rawmk4 | 18_14.rawmk4 | 18_51.rawmk4 | 23_31.rawmk4 | c18_47.rawmk4 |
| 00_15.rawmk4 | 18_17.rawmk4 | 18_57.rawmk4 | 23_34.rawmk4 | c18_54.rawmk4 |
| 00_18.rawmk4 | 18_20.rawmk4 | 19_03.rawmk4 | 23_37.rawmk4 | c19_00.rawmk4 |
| 17_53.rawmk4 | 18_22.rawmk4 | 23_10.rawmk4 | 23_40.rawmk4 | |
| 17_56.rawmk4 | 18_25.rawmk4 | 23_13.rawmk4 | 23_43.rawmk4 | |
| 17_59.rawmk4 | 18_28.rawmk4 | 23_16.rawmk4 | 23_45.rawmk4 | |