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Mauna Loa Solar Observatory Observer's Log  
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Thu Aug 29 16:39:38 GMT 2002

Year: 02 Doy: 241

Observer: koon

Thu Aug 29 16:46:49 GMT 2002 CHIP Start Patrol

Thu Aug 29 16:46:59 GMT 2002 PICS Start Patrol

WEATHER COMMENT: Thu Aug 29 16:39:40 GMT 2002

Clear sky, wind=5 mph from the ESE, temp=44 F

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Thu Aug 29 17:13:13 GMT 2002

PSPT COMMENT: Thu Aug 29 17:21:01 GMT 2002

Observing. The telescope pointed well enough to avoid doing an ephemeris calibration despite remounting it on the new platform mount yesterday. The mount bolts need to be swapped with the new SS bolts and nuts and washers that I bought yesterday afternoon, I put those on the platform beneath the pedestal. A guider ephemeris calibration can wait until after the new bolts and platform brace are installed, probably tomorrow - I need to help David with other projects today. The dome is pointing well too. This new mount should allow pointing the dome according to the ephemeris most or all of the year without any included offsets; the new mount also allows better alignment of the telescope polar axis.

MKIV COMMENT: Thu Aug 29 17:26:35 GMT 2002

David is experimenting with the O1 guider on the 1717 UT scans, powered up for 1717 and 1720 scans then turned back off (as usual) after that. Powered on briefly during the 1723 scan.

Thu Aug 29 17:40:38 GMT 2002 MKIV Start Patrol

PSPT COMMENT: Thu Aug 29 17:49:40 GMT 2002

I brought up a compass and construction protractor to aid in aligning the polar axis of the telescope, they are in my mailbox if you want to try it that way.

Thu Aug 29 18:02:27 GMT 2002 PICS Flat

Thu Aug 29 18:04:30 GMT 2002 MKIV Start Patrol

WEATHER COMMENT: Thu Aug 29 18:04:23 GMT 2002

Scattered orographic clouds passing by.

Thu Aug 29 18:05:17 GMT 2002 PICS End Flat

Thu Aug 29 19:00:47 GMT 2002 MKIV Start Patrol

Thu Aug 29 19:01:46 GMT 2002 CHIP LSD

Thu Aug 29 19:03:21 GMT 2002 CHIP End LSD

Thu Aug 29 19:03:30 GMT 2002 CHIP BiasLSD

Thu Aug 29 19:04:22 GMT 2002 CHIP End BiasLSD

Thu Aug 29 19:04:31 GMT 2002 CHIP Bias

Thu Aug 29 19:05:23 GMT 2002 CHIP End Bias

MKIV COMMENT: Thu Aug 29 19:09:08 GMT 2002

Barrel ran away to CCW limit. Rebooted kcc

Thu Aug 29 19:10:37 GMT 2002 MKIV Start Patrol

Thu Aug 29 19:16:53 GMT 2002 MKIV End Patrol

Thu Aug 29 19:20:32 GMT 2002 MKIV Start Patrol  
Thu Aug 29 19:29:16 GMT 2002 MKIV Start Patrol  
Thu Aug 29 19:35:21 GMT 2002 MKIV End Patrol  
Thu Aug 29 19:36:54 GMT 2002 MKIV Start Patrol  
MKIV COMMENT: Thu Aug 29 19:28:34 GMT 2002  
1928+ working with detector balances.  
Actually observing with constant gain vs height.  
12000 for p, 14000 for s  
Also changed pix\_offset p from 23 to 27 for better difference

Back to regular gain from tables. Balance looks really good after all this time, except for the lowest and most elevated heights.

COMMENT: Thu Aug 29 19:48:09 GMT 2002  
Extended the dome slot.

WEATHER COMMENT: Thu Aug 29 20:15:02 GMT 2002  
Orographic clouds are getting thicker, we're surrounded. There is a fog bank closeby to the West.

MKIV COMMENT: Thu Aug 29 20:16:15 GMT 2002  
Pausing due to clouds.

Thu Aug 29 20:20:27 GMT 2002 MKIV End Patrol  
Thu Aug 29 20:24:20 GMT 2002 MKIV Start Patrol

MKIV COMMENT: Thu Aug 29 20:24:26 GMT 2002  
Restarted Patrol, clouds clear away now and then.  
WEATHER COMMENT: Thu Aug 29 20:24:51 GMT 2002  
Clouds are clearing at times. fog is still staying to the West.

Thu Aug 29 21:00:45 GMT 2002 MKIV Start Cal  
PSPT COMMENT: Thu Aug 29 21:15:41 GMT 2002  
Telescope points to the right in the dome slot, but so far hasn't been blocked by the edge. Maybe an offset can be added to get it more centered in the slot. In other words the dome is slightly lagging behind the telescope pointing.

Thu Aug 29 21:19:27 GMT 2002 MKIV End Cal  
Thu Aug 29 21:19:38 GMT 2002 MKIV Start Patrol

WEATHER COMMENT: Thu Aug 29 21:53:29 GMT 2002  
Getting some fog, pausing and closing domes for now.

Thu Aug 29 21:54:14 GMT 2002 CHIP End Patrol  
Thu Aug 29 21:54:44 GMT 2002 PICS End Patrol

Thu Aug 29 21:55:27 GMT 2002 MKIV End Patrol  
PSPT COMMENT: Thu Aug 29 22:22:05 GMT 2002  
The dome slot pointed well throughout the day, just a slight constant offset from the telescope pointing, a slight lag.

MKIV COMMENT: Thu Aug 29 22:29:32 GMT 2002  
Several tests were done on the O1 guiding and video was taken of various areas and components of mk4 telescope, David will report on this later.

Thu Aug 29 22:31:33 GMT 2002  
MkIV

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