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Mauna Loa Solar Observatory Observer's Log  
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Wed Sep 29 16:53:21 GMT 1999

Year: 99 Doy: 272

Observer: koon

WEATHER COMMENT: Wed Sep 29 16:53:39 GMT 1999

Clear sky, no wind, temp=45 F.

Wed Sep 29 16:55:07 GMT 1999 CHIP Startup--Initializing new tape

COMMENT: Wed Sep 29 17:03:59 GMT 1999

Holding off on observations to do some alignment work first.

Wed Sep 29 17:58:13 GMT 1999 PICS Start Patrol

Wed Sep 29 17:58:17 GMT 1999 CHIP CHIP Start Patrol

Wed Sep 29 18:00:23 GMT 1999 PICS Flat

Wed Sep 29 18:02:03 GMT 1999 CHIP Bias

Wed Sep 29 18:02:53 GMT 1999 PICS End Flat

Wed Sep 29 18:02:57 GMT 1999 CHIP End Bias

Wed Sep 29 18:03:05 GMT 1999 CHIP Water

Wed Sep 29 18:03:45 GMT 1999 CHIP End Water

Wed Sep 29 19:01:11 GMT 1999 CHIP Bias

Wed Sep 29 19:01:28 GMT 1999 PICS polarization\_calibration

Wed Sep 29 19:02:11 GMT 1999 CHIP End Bias

Wed Sep 29 19:02:18 GMT 1999 CHIP Water

Wed Sep 29 19:03:00 GMT 1999 CHIP End Water

COMMENT: Wed Sep 29 19:36:39 GMT 1999

Extended the dome slot.

Wed Sep 29 19:41:31 GMT 1999 MKIV Start Correct

Wed Sep 29 19:42:50 GMT 1999 MKIV End Correct

Wed Sep 29 19:43:05 GMT 1999 MKIV Start Patrol

Wed Sep 29 19:50:54 GMT 1999 MKIV Start Patrol

Wed Sep 29 20:01:02 GMT 1999 CHIP Gain

WEATHER COMMENT: Wed Sep 29 20:05:41 GMT 1999

Very thin consistent cirrostratus overcast.

Wed Sep 29 20:06:54 GMT 1999 CHIP End Gain

Wed Sep 29 20:07:04 GMT 1999 CHIP Bias

Wed Sep 29 20:07:58 GMT 1999 CHIP End Bias

Wed Sep 29 20:08:17 GMT 1999 CHIP Water

Wed Sep 29 20:09:02 GMT 1999 CHIP End Water

Wed Sep 29 20:12:04 GMT 1999 MKIV Start Cal

Wed Sep 29 20:33:45 GMT 1999 MKIV Start Patrol

Wed Sep 29 20:49:06 GMT 1999 MKIV Start Patrol

Wed Sep 29 21:01:00 GMT 1999 CHIP Bias

Wed Sep 29 21:02:01 GMT 1999 CHIP End Bias

Wed Sep 29 21:02:11 GMT 1999 CHIP Water

Wed Sep 29 21:02:53 GMT 1999 CHIP End Water

Wed Sep 29 21:20:55 GMT 1999 MKIV End Patrol

Wed Sep 29 21:32:08 GMT 1999 MKIV Start Patrol

MKIV COMMENT: Wed Sep 29 21:34:40 GMT 1999

Doing 2 Height Mask Tests with the opal in, then will do 2 w/o opal.

Wed Sep 29 21:39:05 GMT 1999 MKIV End Patrol  
Wed Sep 29 21:39:57 GMT 1999 MKIV Start Patrol  
Wed Sep 29 21:46:54 GMT 1999 MKIV End Patrol  
Wed Sep 29 22:01:02 GMT 1999 CHIP Bias  
Wed Sep 29 22:01:59 GMT 1999 CHIP End Bias  
Wed Sep 29 22:02:09 GMT 1999 CHIP Water  
Wed Sep 29 22:02:54 GMT 1999 CHIP End Water  
Wed Sep 29 23:00:59 GMT 1999 CHIP Bias  
Wed Sep 29 23:01:54 GMT 1999 CHIP End Bias  
Wed Sep 29 23:02:02 GMT 1999 CHIP Water  
Wed Sep 29 23:02:40 GMT 1999 CHIP End Water  
Wed Sep 29 23:11:21 GMT 1999 PICS End Patrol  
Wed Sep 29 23:11:37 GMT 1999 CHIP CHIP End Patrol

\*\*PSPT PROBLEM\*\* Wed Sep 29 23:14:24 GMT 1999

Wouldn't track sun since about 2200 ut, I manually pointed but then the images were not centered. I tried moving the beam-splitter slightly in case it wasn't returned to the ideal position when it was adjusted on Monday. The best I could do was either get an off center image or a centered vignettted image. I tried moving the quadcell stage, it would move in X direction but not in Y direction, it wasn't at a limit either. I'll continue with this tomorrow. Images earlier looked good. One interesting note, at one point the images started looking fuzzy, and the fast mirror was oscillating noticeably, I nudged the telescope and the fast mirror settled and the images got sharp.

Wed Sep 29 23:19:46 GMT 1999 CHIP ending tape

COMMENT: Wed Sep 29 23:25:49 GMT 1999

TAPES:

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MKIV: 99272

CHIP: C00936

PICS: P01561

LOWL: L00630 in drive #1

Wed Sep 29 23:26:52 GMT 1999

MkIII

19_51.rawmk3	20_15.rawmk3	20_52.rawmk3	21_10.rawmk3	21_43.rawmk3
19_54.rawmk3	20_22.rawmk3	20_53.rawmk3	21_14.rawmk3	c20_12.rawmk3
19_57.rawmk3	20_30.rawmk3	20_56.rawmk3	21_17.rawmk3	c20_19.rawmk3
20_01.rawmk3	20_33.rawmk3	21_00.rawmk3	21_32.rawmk3	c20_26.rawmk3
20_04.rawmk3	20_37.rawmk3	21_03.rawmk3	21_35.rawmk3	
20_08.rawmk3	20_49.rawmk3	21_07.rawmk3	21_40.rawmk3	