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Mauna Loa Solar Observatory Observer's Log  
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Tue Sep 24 16:32:16 GMT 1996

Year: 96 Doy: 268

Observer: yasukawa

WEATHER COMMENT: Tue Sep 24 16:33:28 GMT 1996

In heavy cirrus overcast, light southwest breeze.

COMMENT: Tue Sep 24 16:34:05 GMT 1996

Cirrus too thick to guide, standing down until it thins out.

No observations for now.

Tue Sep 24 16:34:46 GMT 1996 CHIP Startup--Initializing new tape

COMMENT: Tue Sep 24 16:37:47 GMT 1996

Corrected nene time -2 sec and kii time +1 sec.

WEATHER COMMENT: Tue Sep 24 18:05:31 GMT 1996

Thin cirrus hole may approach, opened dome, standing by.

MKIII COMMENT: Tue Sep 24 18:10:26 GMT 1996

Checked seating of connectors from detectors to DCSA preamps

and checked seating of DCSA preamps in connectors in barrel.

There was some movement of preamp when pushing on LEMO connectors

(detector->preamp). unfirm seating may be cause of radial noise

seen in CHAN 1 I signal after compensator plates removed.

We shall see if there is improvement.

Tue Sep 24 18:45:31 GMT 1996 CHIP CHIP Start Patrol

CHIP COMMENT: Tue Sep 24 18:45:27 GMT 1996

I see a faint image on LOWL so decided to start up CHIP to see if

it can image thru current cirrus thickness.

Set program to Manual to defeat FixCenter.

MKIII COMMENT: Tue Sep 24 18:50:46 GMT 1996

DPMON COMMENT: Tue Sep 24 18:50:54 GMT 1996

I will try starting DPMON to see if anything is visible or useful

thru the cirrus.

Oh, wait, it got thick again. Standing down.

DPMON COMMENT: Tue Sep 24 18:57:59 GMT 1996

Thinned, Starting up.

Tue Sep 24 18:58:53 GMT 1996 dPMon Start Patrol

Tue Sep 24 19:00:35 GMT 1996 dPMon End Patrol

DPMON COMMENT: Tue Sep 24 19:00:36 GMT 1996

Halpa disc image looks useable. Need to stop and center occulter

with Daystar in manually. Too washed out to tell where occulter

is in normal mode.

Tue Sep 24 19:02:36 GMT 1996 CHIP Bias

Tue Sep 24 19:03:49 GMT 1996 dPMon Start Patrol

Tue Sep 24 19:03:53 GMT 1996 CHIP End Bias

Tue Sep 24 19:04:03 GMT 1996 CHIP Water

DPMON COMMENT: Tue Sep 24 19:03:46 GMT 1996

Centered occulter with daystar in. Stem looks close, but difficult

to tell on Display image. Used Camera image to align hour angle.

Tue Sep 24 19:04:42 GMT 1996 CHIP End Water  
 DPMON COMMENT: Tue Sep 24 19:13:04 GMT 1996  
 Stem alignment looks good in Display image too.  
 Tue Sep 24 20:00:59 GMT 1996 dPMon Flat  
 Tue Sep 24 20:01:54 GMT 1996 dPMon End Flat  
 Tue Sep 24 20:05:34 GMT 1996 CHIP Gain  
 Tue Sep 24 20:10:16 GMT 1996 CHIP End Gain  
 Tue Sep 24 20:10:26 GMT 1996 CHIP Bias  
 Tue Sep 24 20:11:10 GMT 1996 CHIP End Bias  
 Tue Sep 24 20:11:21 GMT 1996 CHIP Water  
 Tue Sep 24 20:11:51 GMT 1996 CHIP End Water  
 Tue Sep 24 20:19:13 GMT 1996 dPMon End Patrol  
 COMMENT: Tue Sep 24 20:19:31 GMT 1996  
 Stopping to reconfigure dome shutter.  
 Tue Sep 24 20:21:37 GMT 1996 CHIP CHIP End Patrol  
 Tue Sep 24 20:28:38 GMT 1996 CHIP CHIP Start Patrol  
 Tue Sep 24 20:29:00 GMT 1996 dPMon Start Patrol  
 CHIP COMMENT: Tue Sep 24 20:40:32 GMT 1996  
 Chip image drifting, probably not enough sun to guide properly.  
 Tue Sep 24 20:49:56 GMT 1996 dPMon End Patrol  
 COMMENT: Tue Sep 24 20:50:08 GMT 1996  
 Stopping DPMON and CHIP, clouds too thick.  
 Tue Sep 24 20:52:47 GMT 1996 CHIP CHIP End Patrol  
 Tue Sep 24 21:23:21 GMT 1996 CHIP CHIP Start Patrol  
 Tue Sep 24 21:23:48 GMT 1996 dPMon Start Patrol  
 COMMENT: Tue Sep 24 21:25:39 GMT 1996  
 Restarted CHIP and DPMON, cirrus thinnig a bit.  
 Tue Sep 24 22:02:59 GMT 1996 dPMon Flat  
 Tue Sep 24 22:03:54 GMT 1996 dPMon End Flat  
 Tue Sep 24 22:04:36 GMT 1996 CHIP Bias  
 Tue Sep 24 22:05:52 GMT 1996 CHIP End Bias  
 Tue Sep 24 22:06:02 GMT 1996 CHIP Water  
 Tue Sep 24 22:06:42 GMT 1996 CHIP End Water  
 Tue Sep 24 23:02:58 GMT 1996 dPMon Flat  
 Tue Sep 24 23:03:52 GMT 1996 dPMon End Flat  
 Tue Sep 24 23:04:53 GMT 1996 CHIP Bias  
 Tue Sep 24 23:05:55 GMT 1996 CHIP End Bias  
 Tue Sep 24 23:06:04 GMT 1996 CHIP Water  
 Tue Sep 24 23:06:42 GMT 1996 CHIP End Water  
 MKIII COMMENT: Tue Sep 24 23:15:02 GMT 1996  
 Kim and I are baring the tilt plate mechanism to inspect its  
 mechanics and functions in an effort to redesign a 15 degree tilt  
 hard stop.  
 Wed Sep 25 00:02:55 GMT 1996 dPMon Flat  
 Wed Sep 25 00:03:48 GMT 1996 dPMon End Flat  
 Wed Sep 25 00:04:36 GMT 1996 CHIP Bias  
 Wed Sep 25 00:05:52 GMT 1996 CHIP End Bias  
 Wed Sep 25 00:06:01 GMT 1996 CHIP Water

Wed Sep 25 00:06:38 GMT 1996 CHIP End Water  
Wed Sep 25 00:55:18 GMT 1996 dPMon End Patrol

WEATHER COMMENT: Wed Sep 25 00:55:40 GMT 1996

In thick cirrus, stopping CHIP and DPMON.

Wed Sep 25 00:57:29 GMT 1996 CHIP CHIP End Patrol

MKIII COMMENT: Wed Sep 25 01:25:06 GMT 1996

Removed the can housing the 1/2-wave plate, prisms and slits from

MKIII to tape 3 hairs across the slits for optical channel 3

(data chan 1). Reinstalling assembly and putting MKIII back together  
again

MKIII COMMENT: Wed Sep 25 02:08:38 GMT 1996

Reassembly went smoothly except for the cover to the 1/2-wave  
plate gearbox. Had to make a minor engineering change in  
its design to get it back properly.

Wed Sep 25 02:13:32 GMT 1996 CHIP ending tape

COMMENT: Wed Sep 25 02:15:25 GMT 1996

Activity report:

QP: 70; 123-128; 230-235; 238-244;

No coronal data

Tapes: MKIII: NONE  
DPMON: P00718  
CHIP: C00135  
LOWL: L00418