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Mauna Loa Solar Observatory Observer's Log  
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Tue Dec 26 17:08:16 GMT 2000

Year: 00 Doy: 361

Observer: yasukawa

WEATHER COMMENT: Tue Dec 26 17:08:31 GMT 2000

Cold, clear, south wind.

\*\*MKIV PROBLEM\*\* : Tue Dec 26 17:08:45 GMT 2000

nahenahe found rebooted this morning.

COMMENT: Tue Dec 26 17:20:23 GMT 2000

Sky tx/guider AGC almost clear of dome wall. Waiting for it to clear before starting up.

Tue Dec 26 17:23:26 GMT 2000 CHIP Start 7 Passband Patrol

Tue Dec 26 17:23:32 GMT 2000 PICS Start Patrol

Tue Dec 26 17:30:37 GMT 2000 MKIV Start Patrol

ECHO COMMENT: Tue Dec 26 17:31:08 GMT 2000

Booting up echo.

Tue Dec 26 18:02:19 GMT 2000 PICS Flat

\*\*ECHO PROBLEM\*\* : Tue Dec 26 18:02:46 GMT 2000

Restarting echo, MOF1 and MOF2 turned off (set to 25), QWP turned off.

Removing optics bay cover to inspect QWP.

Tue Dec 26 18:05:53 GMT 2000 PICS End Flat

\*\*ECHO PROBLEM\*\* : Tue Dec 26 18:36:08 GMT 2000

QWP large gear can be rotated when holding geneva side down. Gear is not real loose, but it is turnable with a bit of torque. Waiting for MOF1 to reach temperature and I will attempt to adjust the gear alignment.

\*\*ECHO PROBLEM\*\* : Tue Dec 26 19:37:39 GMT 2000

Not getting any image on monitor. Trying a Start rather than restart to see if that works better.

\*\*ECHO PROBLEM\*\* : Tue Dec 26 19:44:28 GMT 2000

Light level is 22.368.

Obs type = Velocity, not changing. Maybe there is a crash involved.

\*\*ECHO PROBLEM\*\* : Tue Dec 26 19:57:16 GMT 2000

Quit and restarted program. Still getting no image. Queried Boulder echo crew, Jonathan is on vacation until 28th. Forwarded message to Greg. Original message was cc'd to kvs and tomczyk also, no response yet.

Tue Dec 26 20:02:04 GMT 2000 CHIP LSD

Tue Dec 26 20:04:52 GMT 2000 CHIP End LSD

Tue Dec 26 20:05:02 GMT 2000 CHIP BiasLSD

Tue Dec 26 20:05:46 GMT 2000 CHIP End BiasLSD

Tue Dec 26 20:06:00 GMT 2000 CHIP Bias7

Tue Dec 26 20:06:49 GMT 2000 CHIP End Bias7

GONG COMMENT: Tue Dec 26 20:34:40 GMT 2000

going down to GONG to do weekly PM.

GONG COMMENT: Tue Dec 26 21:10:46 GMT 2000

Back from GONG. Had to deal with Exabyte problems besides the usual PM.

\*\*ECHO PROBLEM\*\* : Tue Dec 26 21:11:25 GMT 2000

No response from anyone in Boulder regarding loss of image. Buttoning ECHO back up and shutting it down until someone gets back from vacation.

**\*\*ECHO PROBLEM\*\***: Tue Dec 26 21:22:25 GMT 2000

With dark cloth off, light level = 26.334, image screen white.

**\*\*ECHO PROBLEM\*\***: Tue Dec 26 21:38:00 GMT 2000

Light level = 21.609 with cover on. Dark cloth must not have squelched enough scattered light. Images are back on screen. I will need to darken optical bench some more in order to adjust QWP. I will bring up more darkening material, maybe trashbags under or over dark cloth might help.

Decided to leave ECHO powered up and on. Darryl can try darkening light path with cloth/trashbags or cardboard and attempt alignment of QWP tomorrow.

**\*\*ECHO PROBLEM\*\***: Tue Dec 26 21:55:47 GMT 2000

Another solution to darkening optical path is to prop cover up at back end and adjust QWP by iterating between gear positions then placing cover back while checking results on remote monitor.

Tue Dec 26 22:06:06 GMT 2000 PICS End Patrol

CHIP COMMENT: Tue Dec 26 22:06:33 GMT 2000

CHIP filter and plate temperatures remained in range all morning.

Good work Darryl.

Tue Dec 26 22:08:08 GMT 2000 CHIP End Patrol

Tue Dec 26 22:12:52 GMT 2000

MkIV

17_30.rawmk4	18_33.rawmk4	19_33.rawmk4	20_29.rawmk4	21_25.rawmk4
17_33.rawmk4	18_39.rawmk4	19_36.rawmk4	20_32.rawmk4	21_28.rawmk4
17_36.rawmk4	18_42.rawmk4	19_39.rawmk4	20_35.rawmk4	21_31.rawmk4
17_39.rawmk4	18_45.rawmk4	19_42.rawmk4	20_38.rawmk4	21_34.rawmk4
17_42.rawmk4	18_48.rawmk4	19_45.rawmk4	20_41.rawmk4	21_37.rawmk4
17_45.rawmk4	18_51.rawmk4	19_47.rawmk4	20_44.rawmk4	21_40.rawmk4
17_48.rawmk4	18_54.rawmk4	19_50.rawmk4	20_47.rawmk4	21_43.rawmk4
17_51.rawmk4	18_57.rawmk4	19_53.rawmk4	20_50.rawmk4	21_46.rawmk4
17_54.rawmk4	19_00.rawmk4	19_56.rawmk4	20_53.rawmk4	21_49.rawmk4
17_57.rawmk4	19_03.rawmk4	19_59.rawmk4	20_56.rawmk4	21_52.rawmk4
18_00.rawmk4	19_06.rawmk4	20_02.rawmk4	20_59.rawmk4	21_55.rawmk4
18_03.rawmk4	19_09.rawmk4	20_05.rawmk4	21_02.rawmk4	21_58.rawmk4
18_06.rawmk4	19_12.rawmk4	20_08.rawmk4	21_05.rawmk4	22_01.rawmk4
18_09.rawmk4	19_15.rawmk4	20_11.rawmk4	21_08.rawmk4	22_04.rawmk4
18_12.rawmk4	19_18.rawmk4	20_14.rawmk4	21_11.rawmk4	22_07.rawmk4
18_15.rawmk4	19_21.rawmk4	20_17.rawmk4	21_14.rawmk4	c18_24.rawmk4
18_18.rawmk4	19_24.rawmk4	20_20.rawmk4	21_17.rawmk4	c18_30.rawmk4
18_21.rawmk4	19_27.rawmk4	20_23.rawmk4	21_20.rawmk4	c18_36.rawmk4
18_27.rawmk4	19_30.rawmk4	20_26.rawmk4	21_23.rawmk4	