
Mauna Loa Solar Observatory Observer's Log

Thu Jan 4 17:45:17 GMT 2001

Year: 01 Doy: 004

Observer: koon

Thu Jan 4 17:46:09 GMT 2001 CHIP Startup--Initializing new tape

Thu Jan 4 17:50:47 GMT 2001 MKIV Start Patrol

Thu Jan 4 17:50:55 GMT 2001 CHIP Start 7 Passband Patrol

Thu Jan 4 17:50:59 GMT 2001 PICS Start Patrol

WEATHER COMMENT: Thu Jan 4 17:45:58 GMT 2001

Clear sky, wind=5 mph from the SSW, temp=42 F.

Thu Jan 4 18:03:11 GMT 2001 PICS Flat

Thu Jan 4 18:06:48 GMT 2001 PICS End Flat

Thu Jan 4 20:02:42 GMT 2001 CHIP LSD

Thu Jan 4 20:05:30 GMT 2001 CHIP End LSD

Thu Jan 4 20:05:43 GMT 2001 CHIP BiasLSD

Thu Jan 4 20:06:32 GMT 2001 CHIP End BiasLSD

Thu Jan 4 20:06:50 GMT 2001 CHIP Bias7

Thu Jan 4 20:07:46 GMT 2001 CHIP End Bias7

ECHO PROBLEM: Thu Jan 4 20:55:14 GMT 2001

I will turn down MOF1 temp to 25.0 and open the top cover outside. It may be that that there is another problem with the limit switches for the geneva drive

that is causing it to stop at only one position instead of four (QWP).

ECHO PROBLEM: Thu Jan 4 21:29:20 GMT 2001

The motor isn't turning the geneva drive for the QWP. There is 13.0 vdc across the motor input when it should be turning. The motor makes noise but no shafts can be seen turning. The QWP is stuck close to one of the 4 positions it turns to.

ECHO PROBLEM: Thu Jan 4 22:00:30 GMT 2001

The motor shaft is sheared close to the motor at the E-clip groove. The geneva drive must have too much friction for the motor system, it was hard to turn the free geneva driver mechanism without the motor or it engaging the geneva driven mechanism. Kim says to remove the entire motor and QWP mechanism and send it back to them in Boulder, they'll order and install a new motor and check for the cause of the geneva friction and check the alignment of the QWP. Will remove and ship today. ECHO is down until we receive the repaired mechanism from them, maybe 2 weeks. I will do a "Partial Shutdown" as defined in our documentation, the heat exchanger will remain on but most everything else including the computer will be turned on.

Thu Jan 4 22:17:22 GMT 2001 PICS End Patrol

Thu Jan 4 22:18:47 GMT 2001 CHIP End Patrol

Thu Jan 4 22:20:19 GMT 2001 CHIP FrontEnd finished.

ECHO PROBLEM: Thu Jan 4 23:28:00 GMT 2001

Finished closing up ECHO outside and packing up the QWP assembly. Will stop by Fedex office and send today in Hilo.

Thu Jan 4 23:29:22 GMT 2001

MkIV

17_50.rawmk4	18_54.rawmk4	19_47.rawmk4	20_40.rawmk4	21_34.rawmk4
17_53.rawmk4	18_57.rawmk4	19_50.rawmk4	20_43.rawmk4	21_36.rawmk4
17_56.rawmk4	18_59.rawmk4	19_53.rawmk4	20_46.rawmk4	21_39.rawmk4
17_59.rawmk4	19_02.rawmk4	19_56.rawmk4	20_49.rawmk4	21_42.rawmk4
18_02.rawmk4	19_05.rawmk4	19_59.rawmk4	20_52.rawmk4	21_45.rawmk4
18_05.rawmk4	19_08.rawmk4	20_02.rawmk4	20_55.rawmk4	21_48.rawmk4
18_08.rawmk4	19_11.rawmk4	20_05.rawmk4	20_58.rawmk4	21_51.rawmk4
18_11.rawmk4	19_14.rawmk4	20_08.rawmk4	21_01.rawmk4	21_54.rawmk4
18_17.rawmk4	19_17.rawmk4	20_11.rawmk4	21_04.rawmk4	21_57.rawmk4
18_23.rawmk4	19_20.rawmk4	20_14.rawmk4	21_07.rawmk4	22_00.rawmk4
18_30.rawmk4	19_23.rawmk4	20_16.rawmk4	21_10.rawmk4	22_03.rawmk4
18_33.rawmk4	19_26.rawmk4	20_19.rawmk4	21_13.rawmk4	22_06.rawmk4
18_36.rawmk4	19_29.rawmk4	20_22.rawmk4	21_16.rawmk4	22_09.rawmk4
18_39.rawmk4	19_32.rawmk4	20_25.rawmk4	21_19.rawmk4	22_12.rawmk4
18_42.rawmk4	19_35.rawmk4	20_28.rawmk4	21_22.rawmk4	22_15.rawmk4
18_45.rawmk4	19_38.rawmk4	20_31.rawmk4	21_25.rawmk4	c18_14.rawmk4
18_48.rawmk4	19_41.rawmk4	20_34.rawmk4	21_28.rawmk4	c18_20.rawmk4
18_51.rawmk4	19_44.rawmk4	20_37.rawmk4	21_31.rawmk4	c18_27.rawmk4