
Mauna Loa Solar Observatory Observer's Log

Wed Jan 21 17:20:59 GMT 2009

Year: 09 Doy: 021

Observer: yasukawa

WEATHER COMMENT: Wed Jan 21 17:21:03 GMT 2009

Clear but bright sky, S wind 9 mph, temp 27.5 F

____end____

WEATHER COMMENT: Wed Jan 21 17:31:55 GMT 2009

So cold, airbrush compresor would not start-up. Had to dust off O1 with bulb duster.

____end____

Wed Jan 21 17:37:21 GMT 2009 CHIP Start Patrol

Wed Jan 21 17:37:27 GMT 2009 PICS Start Patrol

PSPT COMMENT: Wed Jan 21 17:43:48 GMT 2009

Start-up

____end____

CHIP PROBLEM: Wed Jan 21 17:45:36 GMT 2009

CHIP filter appears off-band.

____end____

MKIV PROBLEM: Wed Jan 21 17:45:56 GMT 2009

MK4 monitor o'scope is flat-line, checking things out.

____end____

Wed Jan 21 17:51:09 GMT 2009 MKIV Start Patrol

PSPT COMMENT: Wed Jan 21 17:56:30 GMT 2009

Observing

____end____

Wed Jan 21 18:01:52 GMT 2009 CHIP LSD

Wed Jan 21 18:02:22 GMT 2009 PICS Flat

Wed Jan 21 18:03:50 GMT 2009 CHIP End LSD

Wed Jan 21 18:03:56 GMT 2009 CHIP BiasLSD

Wed Jan 21 18:04:40 GMT 2009 PICS End Flat

Wed Jan 21 18:04:45 GMT 2009 PICS ReStart Patrol

Wed Jan 21 18:04:48 GMT 2009 CHIP End BiasLSD

Wed Jan 21 18:04:55 GMT 2009 CHIP Bias

Wed Jan 21 18:05:45 GMT 2009 CHIP End Bias

Wed Jan 21 18:05:50 GMT 2009 CHIP ReStart Patrol

MKIV PROBLEM: Wed Jan 21 18:19:23 GMT 2009

+5V power supply in MK!V Power Supply box on back end of spar is out.

____end____

Wed Jan 21 18:56:42 GMT 2009 MKIV End Patrol

CHIP PROBLEM: Wed Jan 21 19:23:03 GMT 2009

CHIP has stalled, killed and restarted (Run)

____end____

PICS PROBLEM: Wed Jan 21 19:23:20 GMT 2009

PICS has stalled, killed and restarted

____end____

Wed Jan 21 19:29:51 GMT 2009 CHIP Start Patrol

Wed Jan 21 19:30:16 GMT 2009 PICS Start Patrol

****MLSO PROBLEM****: Wed Jan 21 19:46:05 GMT 2009

CHIP filter off-band problem as well as other problems stemmed from A3 breaker tripping sometime overnight. First indication was airbrush compressor not running. It is usually sluggish when it is cold in the morning so its failure this morning did not raise any flags -- it was 27 degrees this morning. A3 breaker controls the outlets on the dome floor, east and middle on the south side of the pier. Also plugged into the east receptacle are the Meadowlark CHIP filter controller -- hence no temperature control,>> off-band images. Also plugged into east receptacle is the AC power to the Dalsa camera heater power supply (red cable). Lack of temperature control at the Dalsa camera may have caused the 5VDC power supply failure????

Middle receptacle controlled by the A3 breaker powered the dome phone and the David Clark sound powered headphones alert annunciator.

____end____

****CHIP PROBLEM****: Wed Jan 21 20:08:20 GMT 2009

Off-band performance will continue until the CHIP filter reaches the correct operating temperature and stabilizes.

____end____

****CHIP PROBLEM****: Wed Jan 21 21:35:42 GMT 2009

CHIP images are starting to look normal again, filter must be near or at correct temperature.

____end____

GONG COMMENT: Wed Jan 21 22:59:25 GMT 2009

Going down to GONG to make some requested measurements.

____end____

GONG COMMENT: Wed Jan 21 23:37:21 GMT 2009

Back from GONG

____end____

NICE PICSLIMB IMAGE: 2349

NICE PICSDISC IMAGE: 2348

NICE CHIP IMAGE: 2350

****PSPT PROBLEM****: Thu Jan 22 01:02:00 GMT 2009

C/k/r

____end____

Thu Jan 22 02:27:32 GMT 2009 CHIP End Patrol

Thu Jan 22 02:28:24 GMT 2009 PICS End Patrol

Thu Jan 22 02:37:23 GMT 2009

MkIV