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Mauna Loa Solar Observatory Observer's Log  
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Thu Apr 4 17:48:06 GMT 2013

Year: 13 Doy: 094

Observer: rose

WEATHER COMMENT: Thu Apr 4 17:49:30 GMT 2013

clear skyu wind 10-15 from west 46F

\_\_\_\_end\_\_\_\_

NOTE BY GREG: Thu Apr 4 17:52:46 GMT 2013

Late start becausae I left Hilo without enough gas in work car, but did relize it until I was at bottom of the observatory road when the gas light came on and beeped. If I didnt turn around then I would run out s o I had to go back to hilo for gas.

\_\_\_\_end\_\_\_\_

Thu Apr 04 18:10:41 GMT 2013 COMP Start Patrol

Thu Apr 4 18:12:07 GMT 2013 MKIV Start Patrol

Thu Apr 4 18:12:50 GMT 2013: PSPT Start Patrol

Thu Apr 4 19:24:22 GMT 2013 CHIP Start Patrol

Thu Apr 4 19:26:44 GMT 2013 MKIV Start Cal

Thu Apr 4 19:45:43 GMT 2013 MKIV End Cal

Thu Apr 4 19:45:53 GMT 2013 MKIV Start Patrol

NOTE BY GREG: Thu Apr 4 19:49:14 GMT 2013

reconfig dome

\_\_\_\_end\_\_\_\_

Thu Apr 4 19:52:25 GMT 2013 CHIP End Patrol

Thu Apr 4 19:52:03 GMT 2013 MKIV End Patrol

Thu Apr 4 19:57:14 GMT 2013 MKIV Start Patrol

Thu Apr 4 20:00:17 GMT 2013 CHIP Start Patrol

CHIP COMMENT BY GREG: Thu Apr 4 20:15:28 GMT 2013

While debugging tek temp noticed that the RTD wire was knocked off of the bus block, probably during the pump install. Also noticed that the pinout on the solo temp controler is different than the manual. The pinout on the side of the device is correct. With the setpoint at 24C

the temp still rising. now its 31.2. The temp controler is not adding heat, it is coming from somewhere else maybe pump?

\_\_\_\_end\_\_\_\_

CHIP COMMENT BY GREG: Thu Apr 4 20:46:26 GMT 2013

chiller temp 35C now

\_\_\_\_end\_\_\_\_

Thu Apr 4 21:04:07 GMT 2013 MKIV End Patrol

Thu Apr 04 21:06:32 GMT 2013 COMP End Patrol

Thu Apr 04 21:06:34 GMT 2013 COMP Start Patrol

Thu Apr 4 21:22:49 GMT 2013 MKIV Start Patrol

Thu Apr 4 21:25:29 GMT 2013 CHIP End Patrol

Thu Apr 4 21:42:20 GMT 2013 CHIP Start Patrol

CHIP COMMENT BY GREG: Thu Apr 4 22:19:43 GMT 2013

40.5C now

\_\_\_\_end\_\_\_\_

CHIP COMMENT BY GREG: Thu Apr 4 22:44:49 GMT 2013

seams to be stable now 40.9C analog temp 102F.

\_\_\_\_end\_\_\_\_  
Thu Apr 4 23:00:45 GMT 2013 CHIP LSD  
Thu Apr 4 23:02:31 GMT 2013 CHIP End LSD  
Thu Apr 4 23:02:40 GMT 2013 CHIP BiasLSD  
Thu Apr 4 23:03:23 GMT 2013 CHIP End BiasLSD  
Thu Apr 4 23:03:34 GMT 2013 CHIP Bias  
Thu Apr 4 23:04:19 GMT 2013 CHIP End Bias  
Thu Apr 4 23:04:27 GMT 2013 CHIP ReStart Patrol  
Thu Apr 4 23:09:43 GMT 2013 CHIP End Patrol  
Fri Apr 5 00:02:36 GMT 2013 CHIP Start Patrol  
Fri Apr 05 00:02:33 GMT 2013 COMP End Patrol  
Fri Apr 05 00:02:37 GMT 2013 COMP Start Patrol  
Fri Apr 5 01:06:49 GMT 2013 CHIP End Patrol  
WEATHER COMMENT: Fri Apr 5 01:05:39 GMT 2013  
cirrus clouds idling

\_\_\_\_end\_\_\_\_  
CHIP COMMENT BY GREG: Fri Apr 5 01:06:20 GMT 2013  
Finally the chiller is working properly again. I was able to get  
chiller chilling, and the heater heating. The Tek temp now tracks to +-  
3C of the set point. I set the current setpoint to 30C, that seemed to  
give a good image. The old setup was 24C setpoint, but it seam to hover  
around 30C.(display could have been wrong before?) With some PID  
setting changes could get better resolution. I am going to leave it on  
overnight since it is working again.

\_\_\_\_end\_\_\_\_  
Fri Apr 5 01:07:52 GMT 2013 MKIV End Patrol  
Fri Apr 5 01:27:59 GMT 2013: PSPT Abort Patrol  
Fri Apr 5 01:28:07 GMT 2013: PSPT Abort Patrol  
Fri Apr 05 01:59:03 GMT 2013 COMP End Patrol  
Fri Apr 5 02:02:34 GMT 2013  
MkIV

00_02.rawmk4	18_24.rawmk4	20_06.rawmk4	21_49.rawmk4	23_06.rawmk4
00_05.rawmk4	18_27.rawmk4	20_09.rawmk4	21_52.rawmk4	23_09.rawmk4
00_08.rawmk4	18_30.rawmk4	20_11.rawmk4	21_55.rawmk4	23_12.rawmk4
00_11.rawmk4	18_33.rawmk4	20_17.rawmk4	21_58.rawmk4	23_15.rawmk4
00_14.rawmk4	18_36.rawmk4	20_21.rawmk4	22_01.rawmk4	23_18.rawmk4
00_17.rawmk4	18_39.rawmk4	20_24.rawmk4	22_04.rawmk4	23_21.rawmk4
00_20.rawmk4	18_42.rawmk4	20_27.rawmk4	22_07.rawmk4	23_24.rawmk4
00_23.rawmk4	18_45.rawmk4	20_30.rawmk4	22_10.rawmk4	23_27.rawmk4
00_26.rawmk4	18_48.rawmk4	20_33.rawmk4	22_13.rawmk4	23_30.rawmk4
00_29.rawmk4	18_54.rawmk4	20_36.rawmk4	22_16.rawmk4	23_33.rawmk4
00_32.rawmk4	18_58.rawmk4	20_39.rawmk4	22_19.rawmk4	23_35.rawmk4
00_35.rawmk4	19_04.rawmk4	20_42.rawmk4	22_21.rawmk4	23_38.rawmk4
00_37.rawmk4	19_07.rawmk4	20_45.rawmk4	22_24.rawmk4	23_41.rawmk4
00_40.rawmk4	19_10.rawmk4	20_48.rawmk4	22_27.rawmk4	23_44.rawmk4
00_43.rawmk4	19_13.rawmk4	20_51.rawmk4	22_30.rawmk4	23_47.rawmk4
00_46.rawmk4	19_16.rawmk4	20_54.rawmk4	22_33.rawmk4	23_50.rawmk4

00_49.rawmk4	19_19.rawmk4	21_00.rawmk4	22_36.rawmk4	23_53.rawmk4
00_52.rawmk4	19_22.rawmk4	21_22.rawmk4	22_39.rawmk4	23_56.rawmk4
00_55.rawmk4	19_29.rawmk4	21_25.rawmk4	22_42.rawmk4	23_59.rawmk4
00_58.rawmk4	19_35.rawmk4	21_28.rawmk4	22_45.rawmk4	c19_26.rawmk4
01_01.rawmk4	19_42.rawmk4	21_31.rawmk4	22_48.rawmk4	c19_32.rawmk4
01_04.rawmk4	19_45.rawmk4	21_34.rawmk4	22_51.rawmk4	c19_39.rawmk4
18_12.rawmk4	19_48.rawmk4	21_37.rawmk4	22_54.rawmk4	
18_15.rawmk4	19_57.rawmk4	21_40.rawmk4	22_57.rawmk4	
18_18.rawmk4	20_00.rawmk4	21_43.rawmk4	23_00.rawmk4	
18_21.rawmk4	20_03.rawmk4	21_46.rawmk4	23_03.rawmk4	