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Mauna Loa Solar Observatory Observer's Log
 ______
       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
                                      End Cal
                              MKIV
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
                                       End Patrol
                              CHIP
Thu Apr 4 19:52:03 GMT 2013
                                      End Patrol
                              MKIV
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 debuging 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
                                         Bias
                                CHIP
Thu Apr 4 23:04:19 GMT 2013
                                CHIP
                                         End Bias
Thu Apr
        4 23:04:27 GMT 2013
                                         ReStart Patrol
                                CHIP
Thu Apr 4 23:09:43 GMT 2013
                                         End Patrol
                                CHIP
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
                                        End Patrol
                                MKIV
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
        MkTV
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	