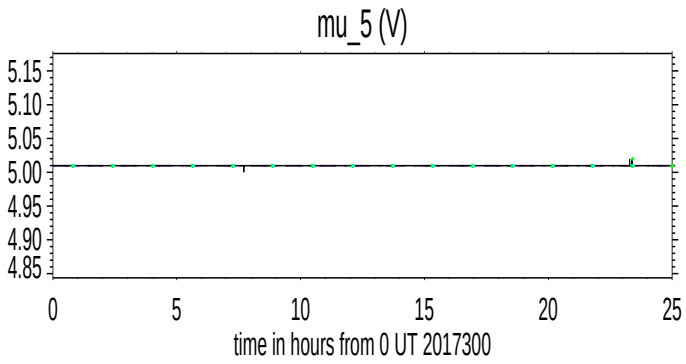
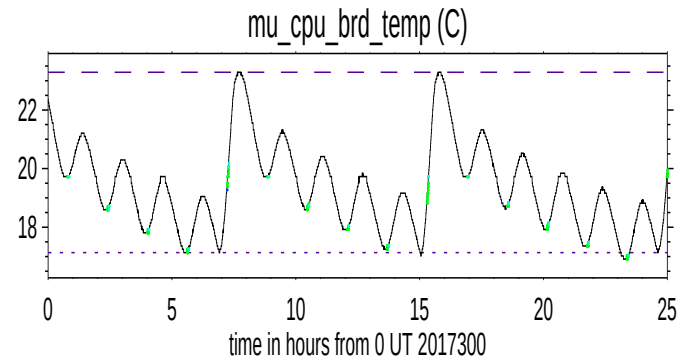
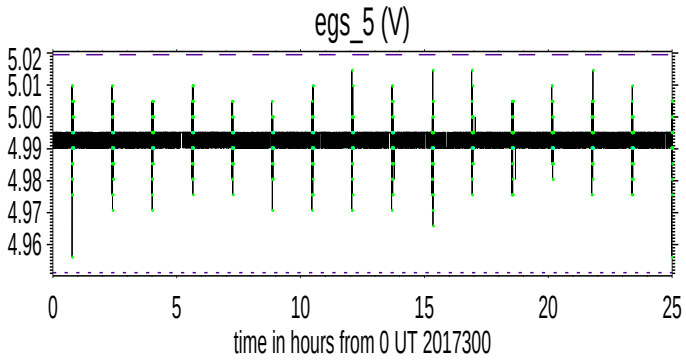
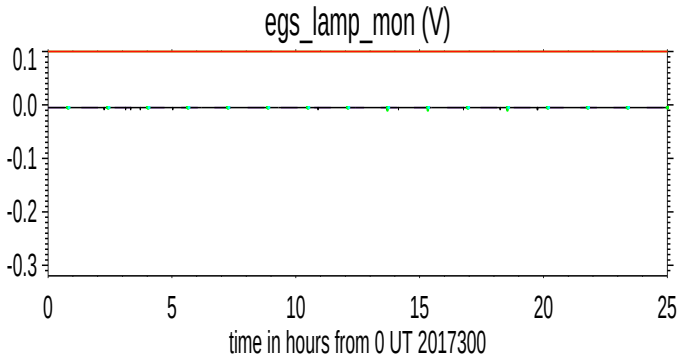
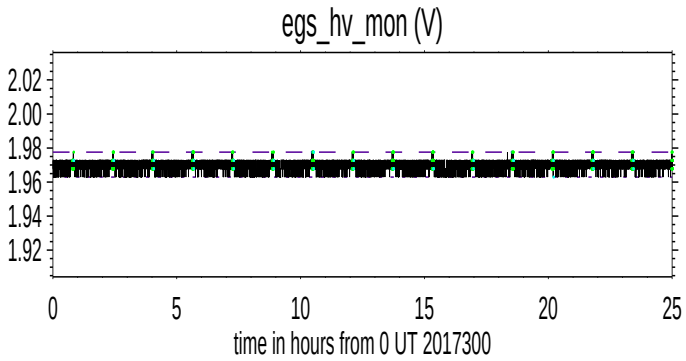
```
Information for      2017300
06:31:53.376: hk: 3 cmd pkt accepted   cmd = ODCs Loaded
06:32:08.376: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
06:32:23.376: hk: 1 cmd pkt accepted   cmd = ODCs Loaded
15:21:19.001: see_stat[1]: 13 internal error
16:39:23.376: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
16:39:38.376: hk: 4 cmd pkt accepted   cmd = ODCs Loaded
```

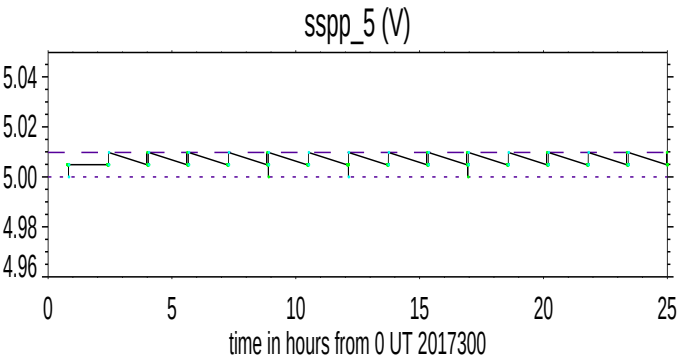

mu_5 (V)
5.15
5.10
5.05
5.00
4.95
4.90
4.85
0
5
10
15
20
25
time in hours from 0 UT 2017300

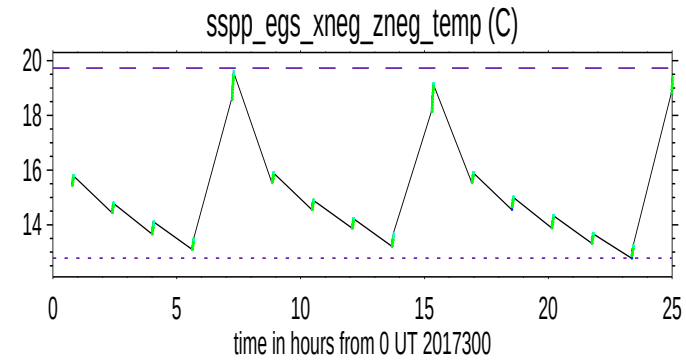

mu_cpu_brd_temp (C)
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

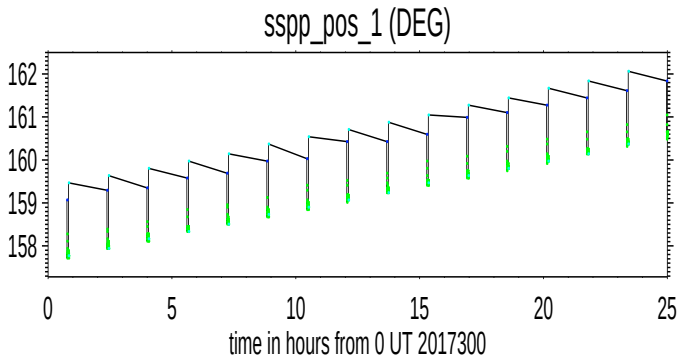

egs_5 (V)
5.02
5.01
5.00
4.99
4.98
4.97
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017300

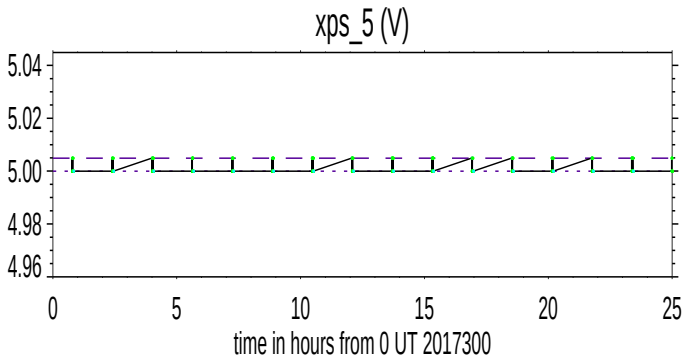

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2017300

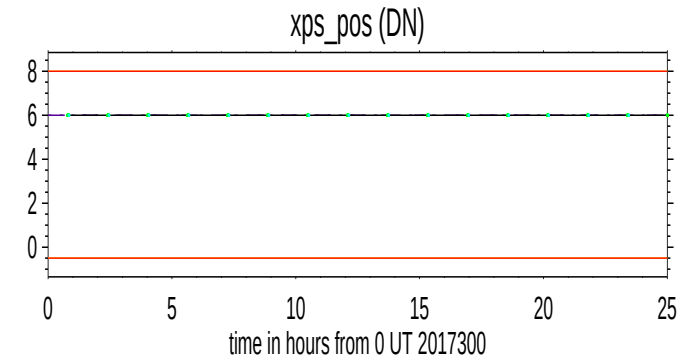

egs_hv_mon (V)
2.02
2.00
1.98
1.96
1.94
1.92
0
5
10
15
20
25
time in hours from 0 UT 2017300

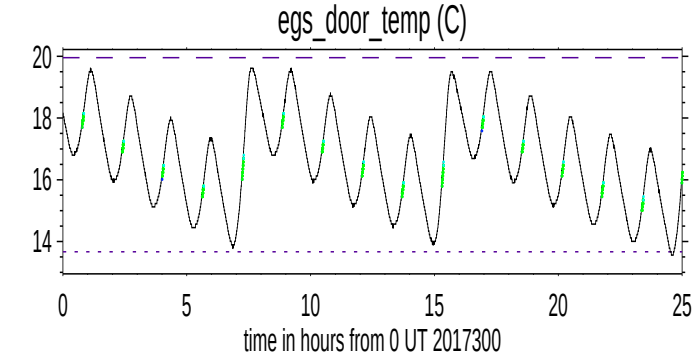

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017300

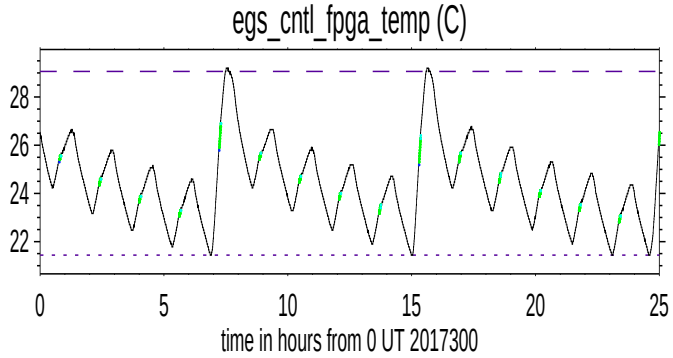

sspp_egs_xneg_zneg_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

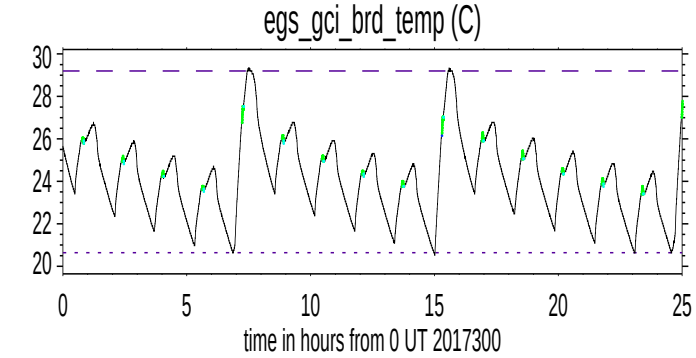

sspp_pos_1 (DEG)
162
161
160
159
158
0
5
10
15
20
25
time in hours from 0 UT 2017300

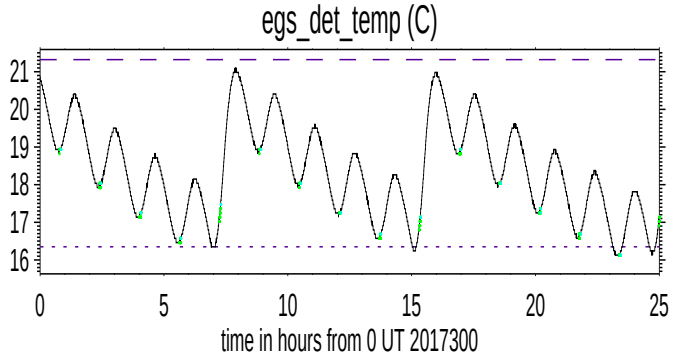

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017300

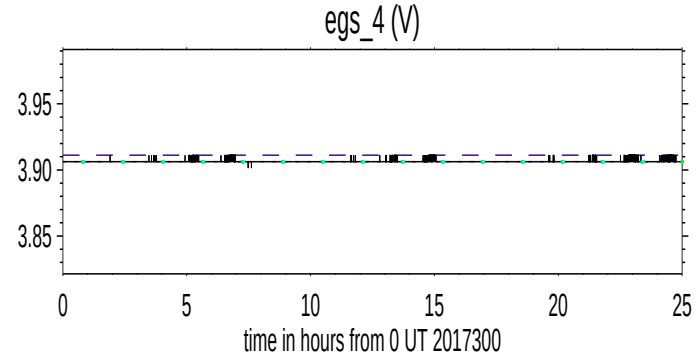

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2017300

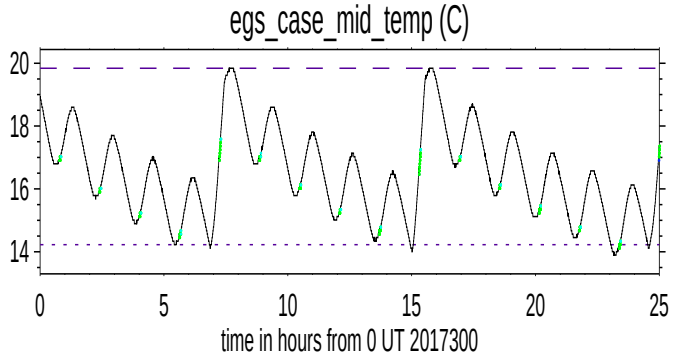

egs_door_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

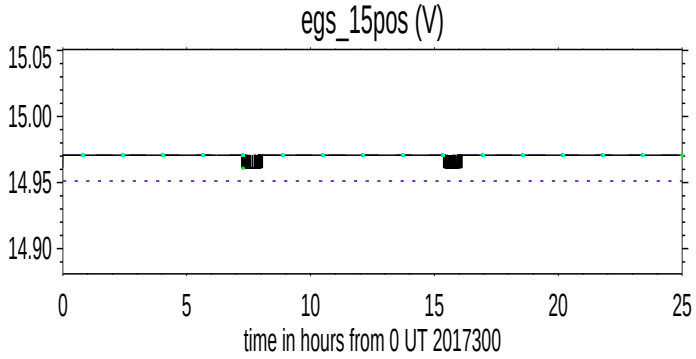

egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017300

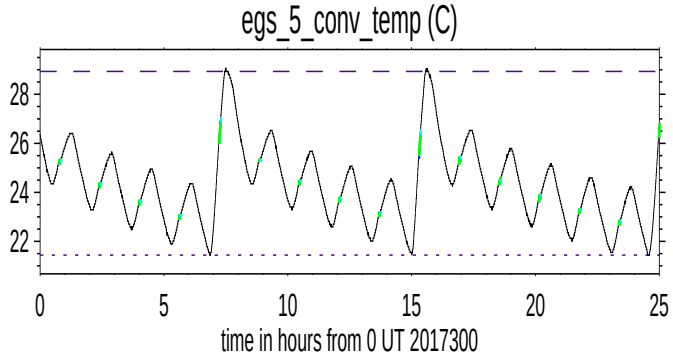

egs_gci_brd_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017300

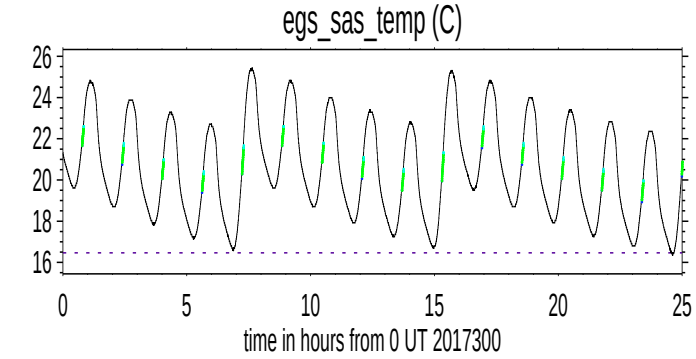

egs_det_temp (C)
21
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2017300

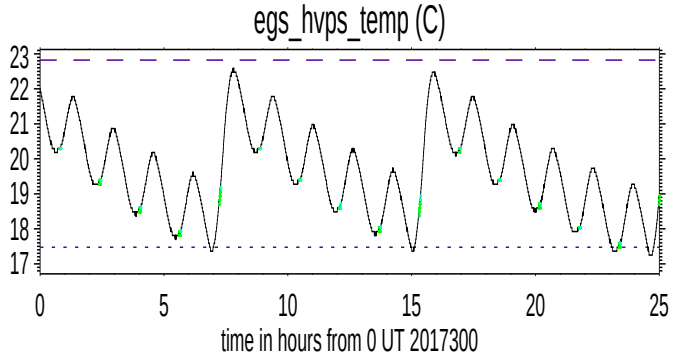

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017300

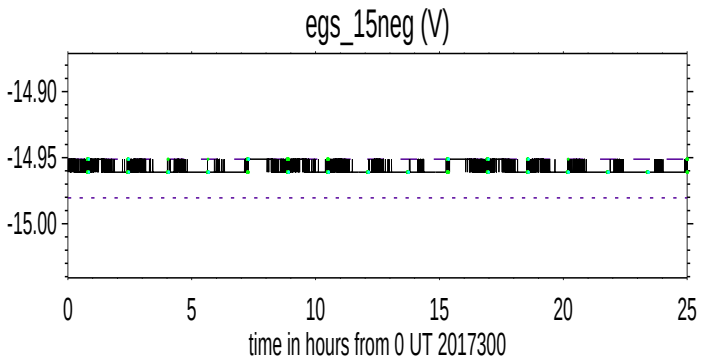

egs_case_mid_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

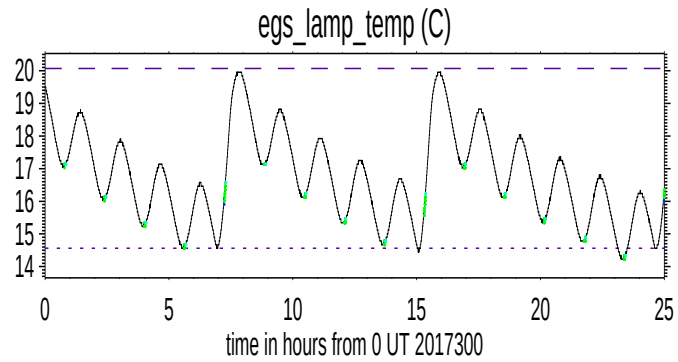

egs_15pos (V)
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2017300


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017300


egs_sas_temp (C)
26
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017300


egs_hvps_temp (C)
23
22
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2017300


egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2017300


egs_lamp_temp (C)
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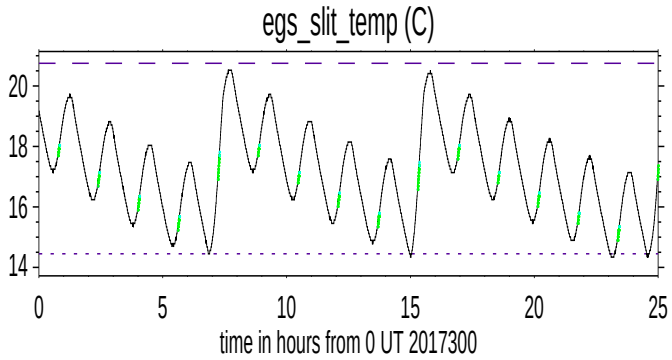
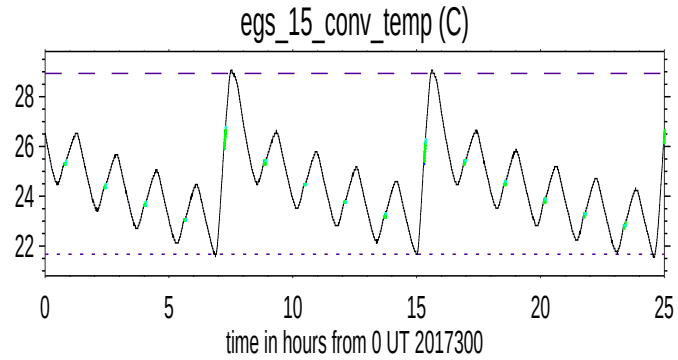
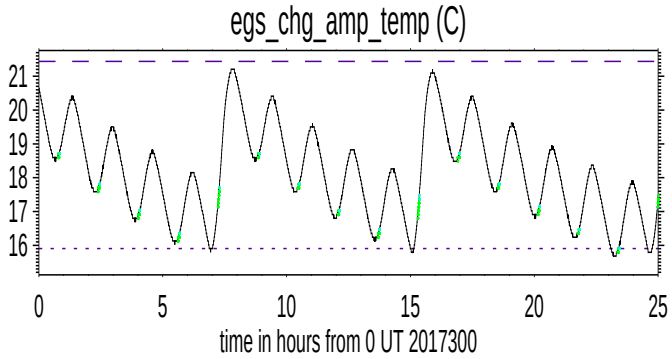
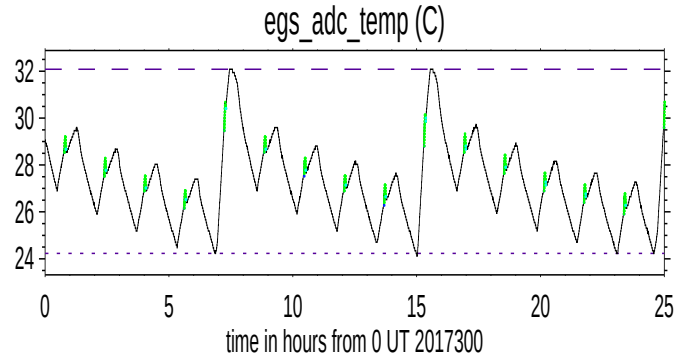
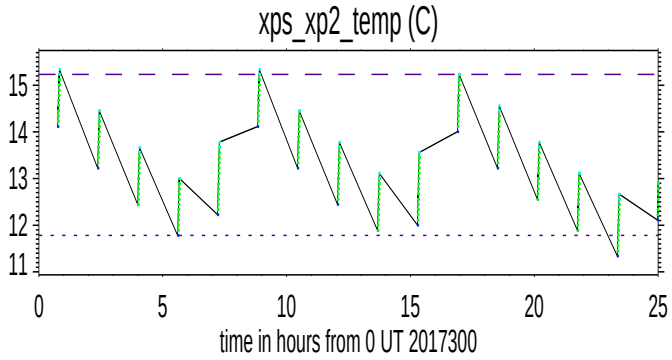
0 5 10 15 20 25
time in hours from 0 UT 2017300

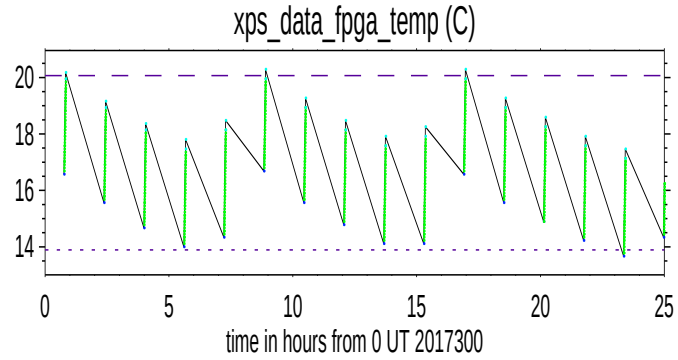

egs_slit_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2017300

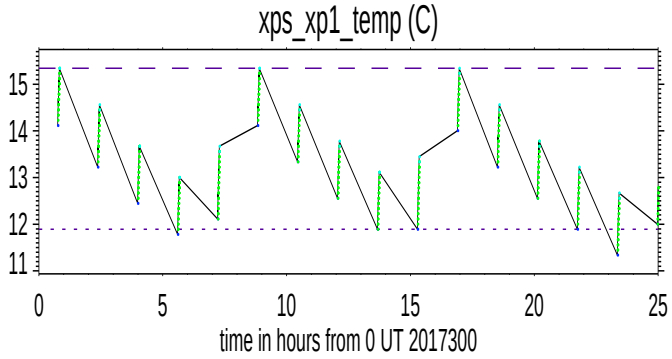

egs_15_conv_temp (C)
28 26 24 22
0 5 10 15 20 25
time in hours from 0 UT 2017300

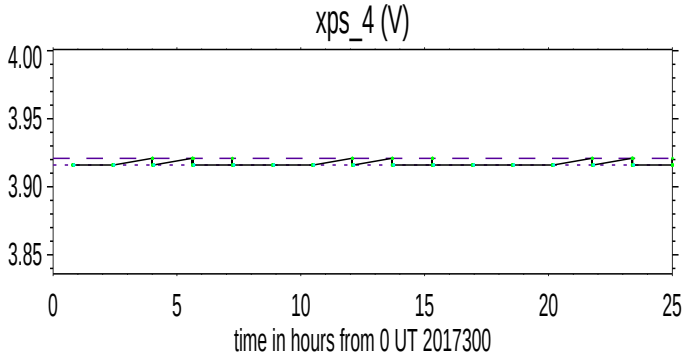

egs_chg_amp_temp (C)
21 20 19 18 17 16
0 5 10 15 20 25
time in hours from 0 UT 2017300

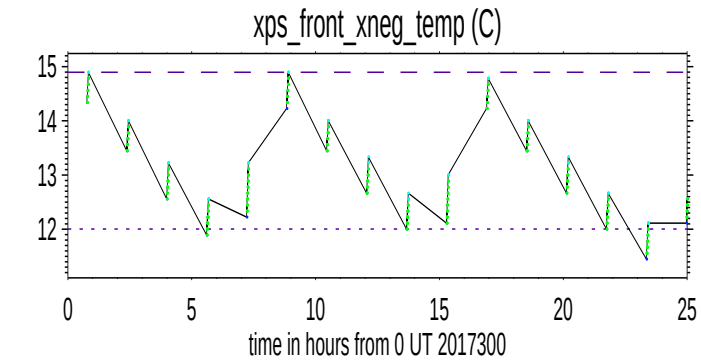

egs_adc_temp (C)
32 30 28 26 24
0 5 10 15 20 25
time in hours from 0 UT 2017300

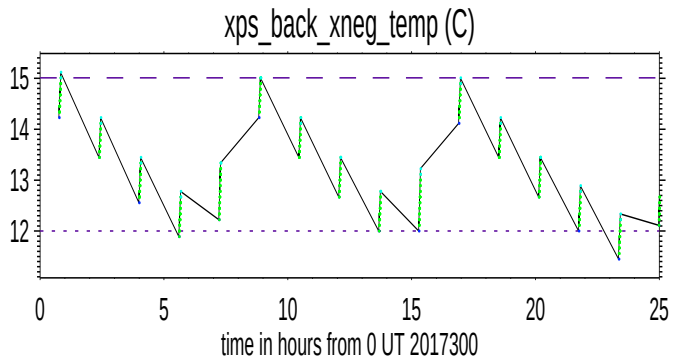

xps_xp2_temp (C)
15 14 13 12 11
0 5 10 15 20 25
time in hours from 0 UT 2017300

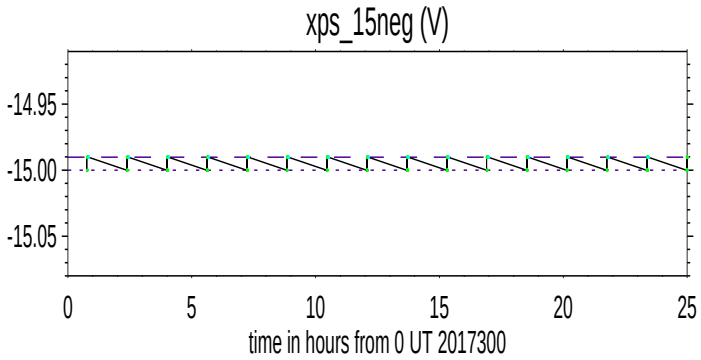

xps_data_fpga_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2017300

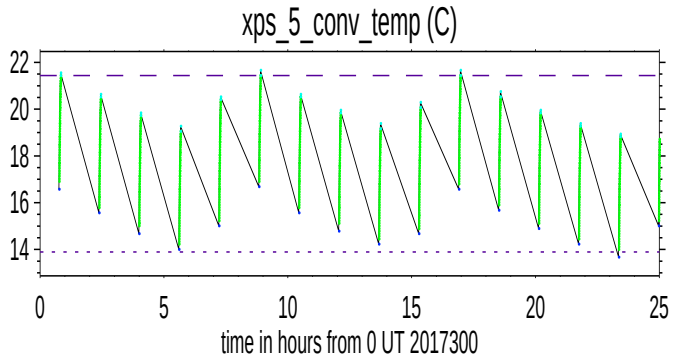

xps_xp1_temp (C)
15 14 13 12 11
0 5 10 15 20 25
time in hours from 0 UT 2017300

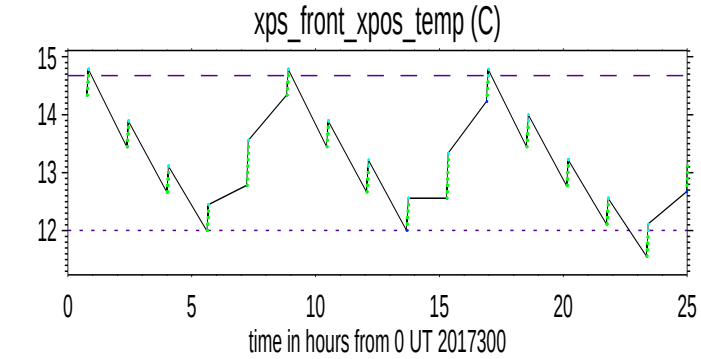

xps_4 (V)
4.00 3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2017300

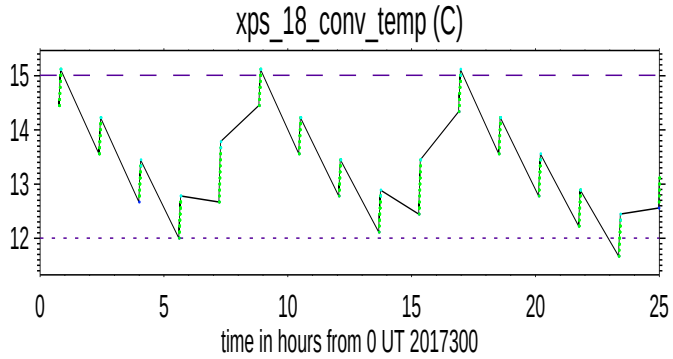

xps_front_xneg_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

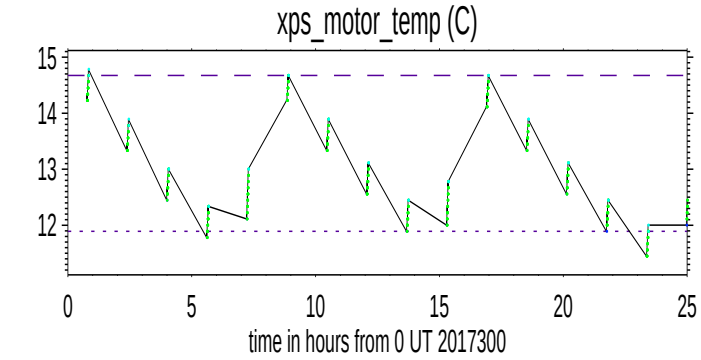

xps_back_xneg_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

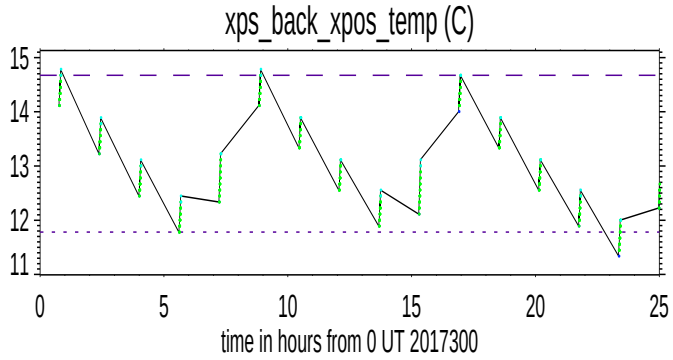

xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2017300

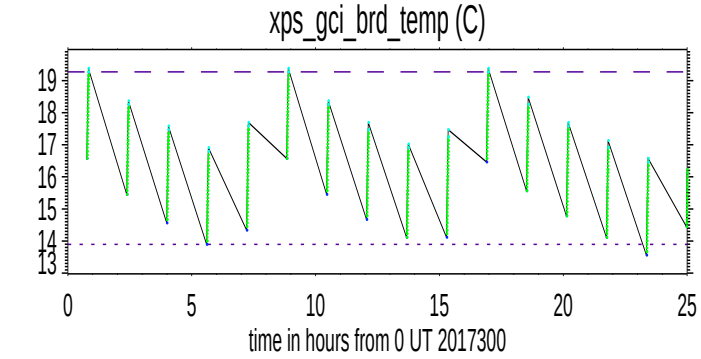

xps_5_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

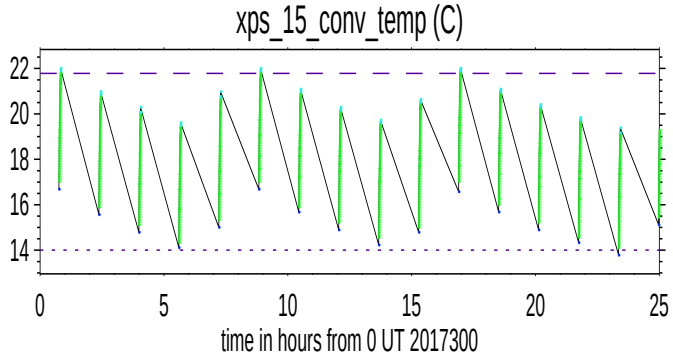

xps_front_xpos_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

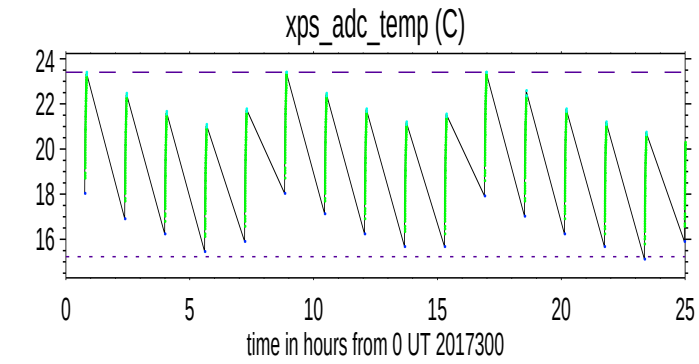

xps_18_conv_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

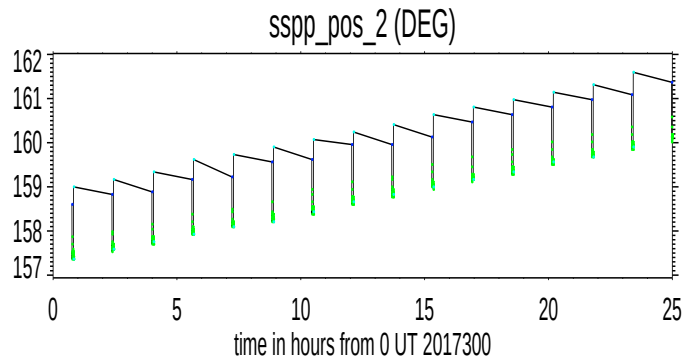

xps_motor_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

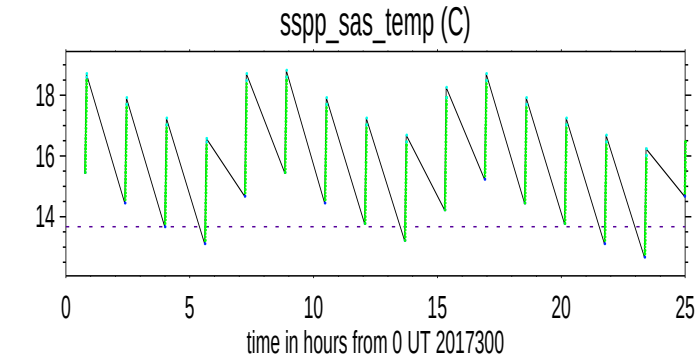

xps_back_xpos_temp (C)
15
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017300

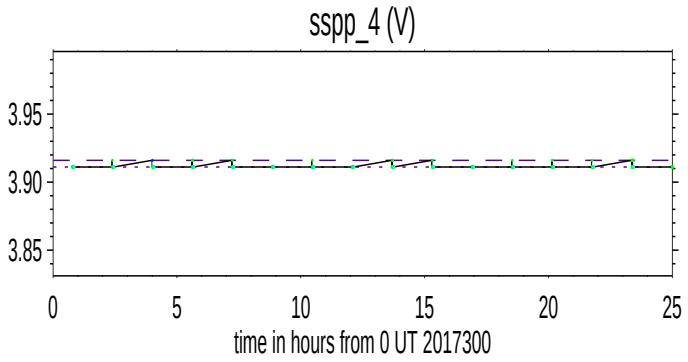

xps_gci_brd_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017300

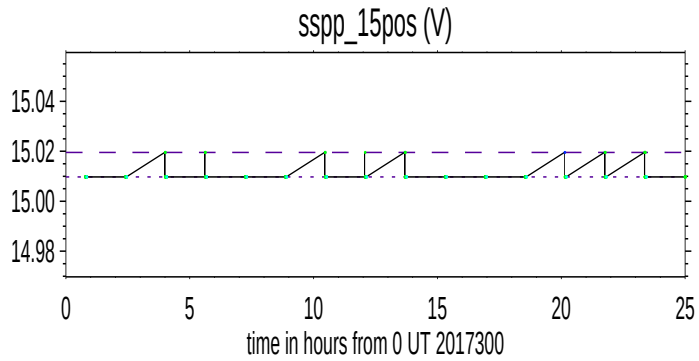

xps_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

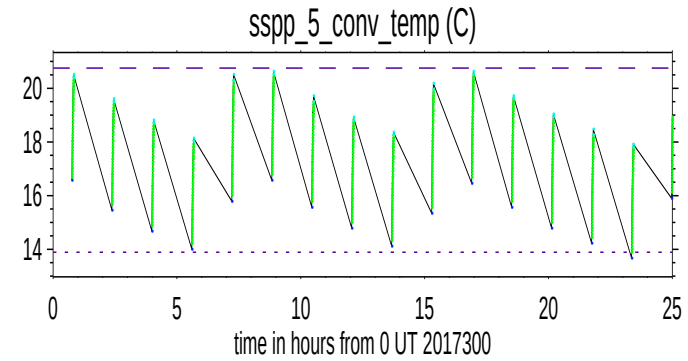

xps_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017300

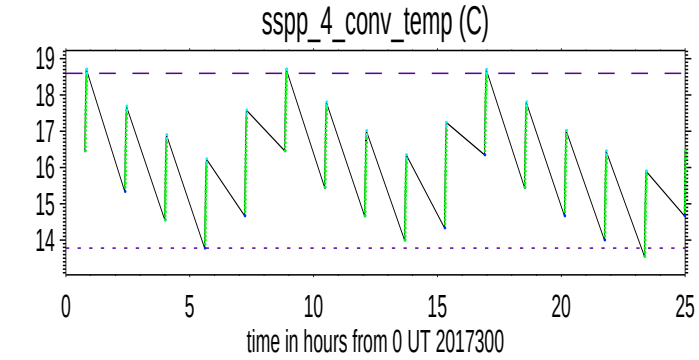

sspp_pos_2 (DEG)
162
161
160
159
158
157
0
5
10
15
20
25
time in hours from 0 UT 2017300

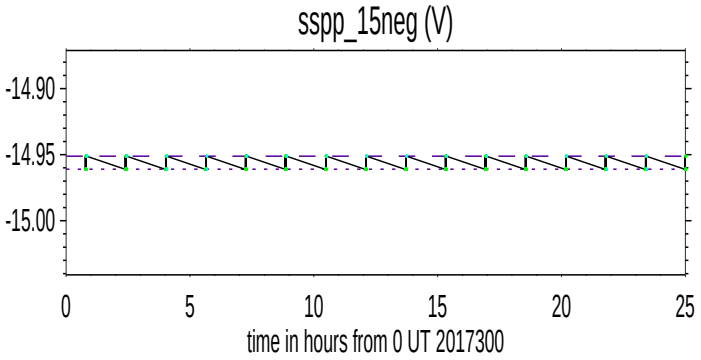

sspp_sas_temp (C)
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

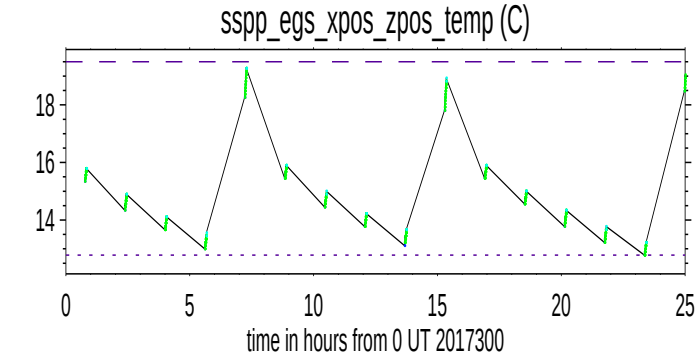

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017300

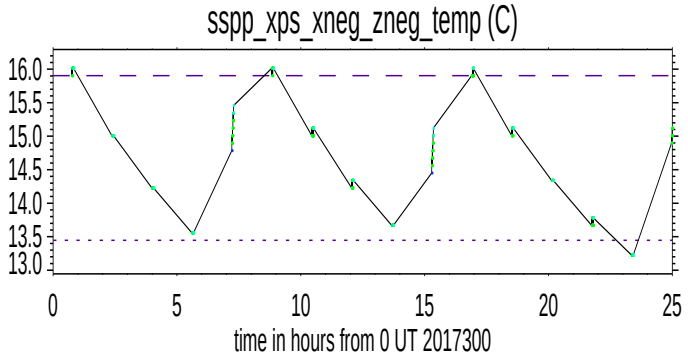

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2017300

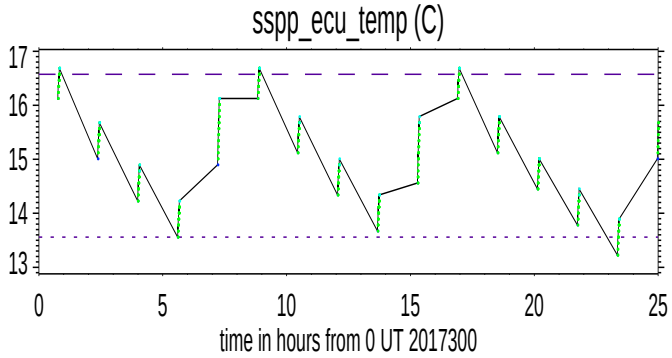

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

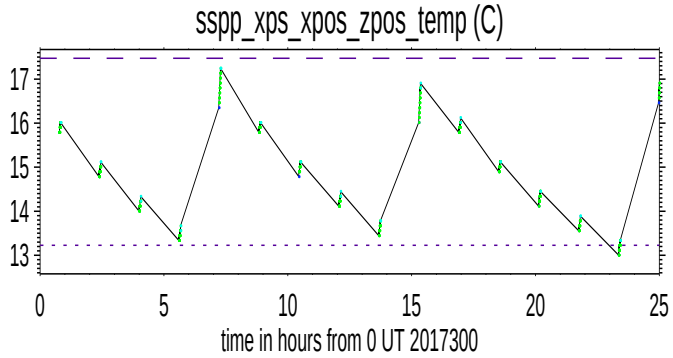

sspp_4_conv_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

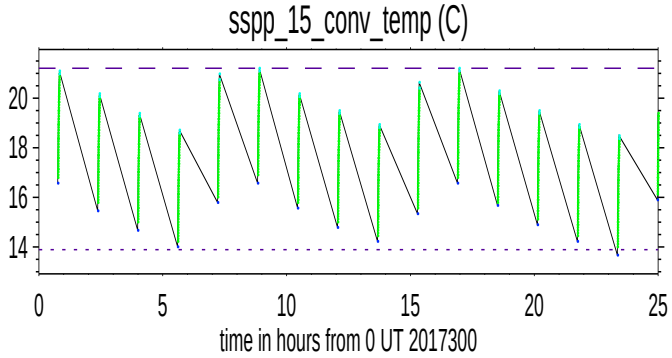

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017300

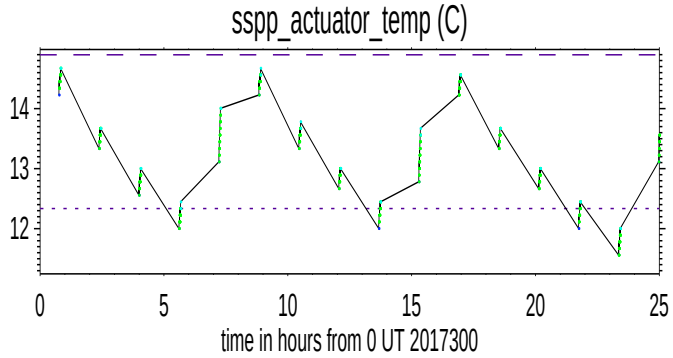

sspp_egs_xpos_zpos_temp (C)
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

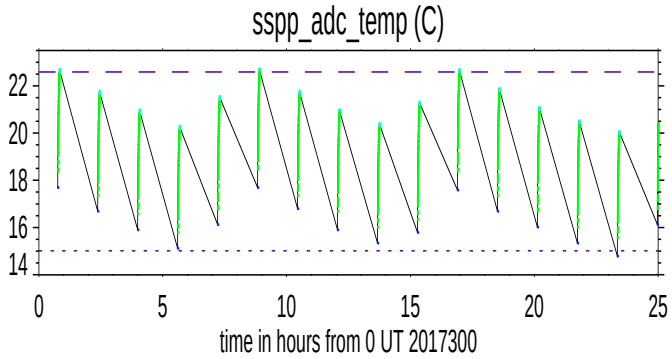

sspp_xps_xneg_zneg_temp (C)
16.0
15.5
15.0
14.5
14.0
13.5
13.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

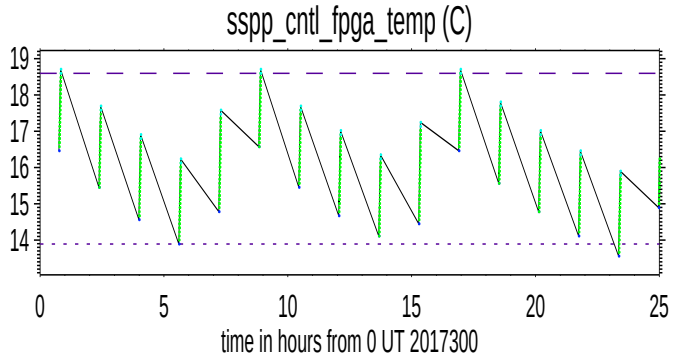

sspp_ecu_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017300

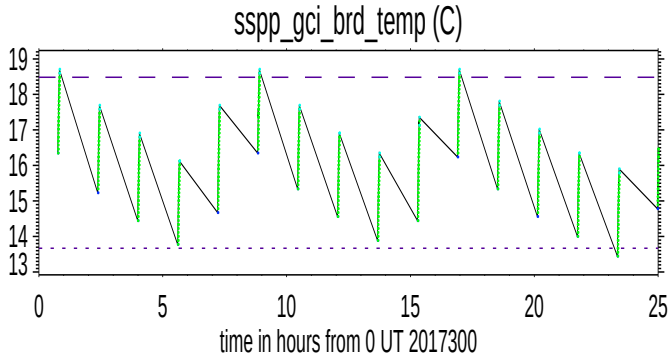

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017300

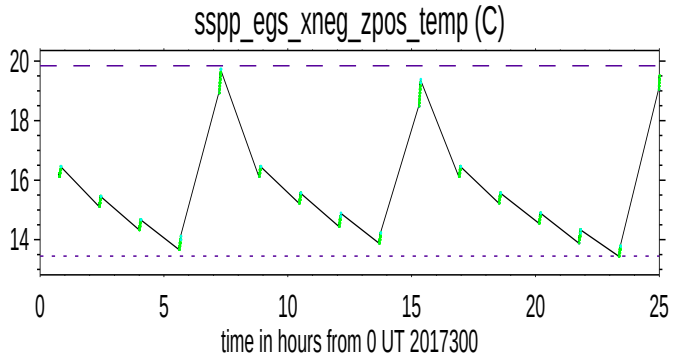

sspp_15_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

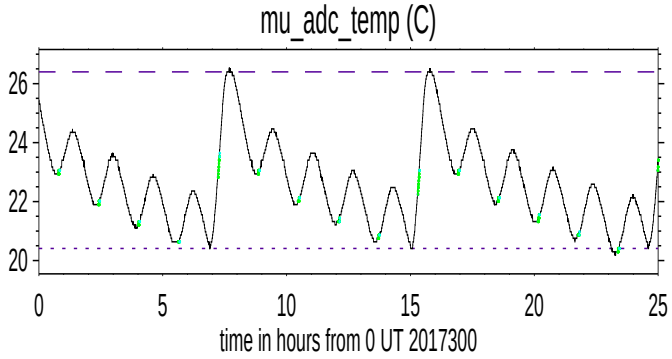

sspp_actuator_temp (C)
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017300

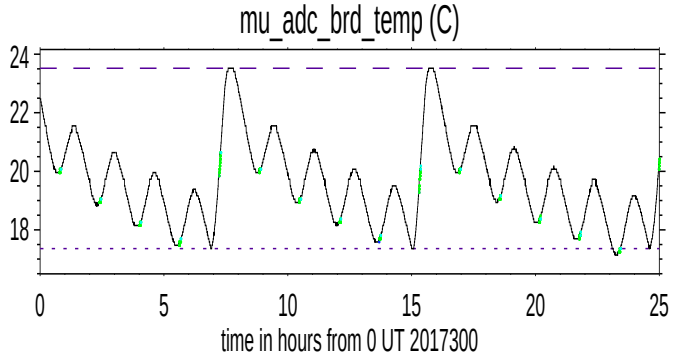

sspp_adc_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

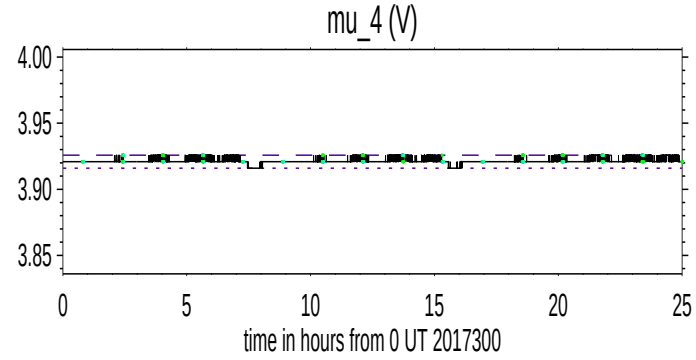

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

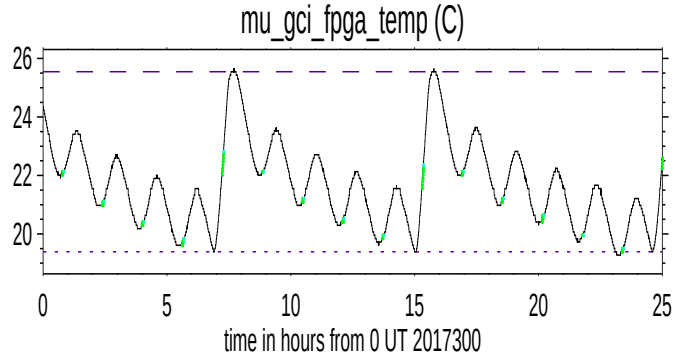

sspp_gci_brd_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017300

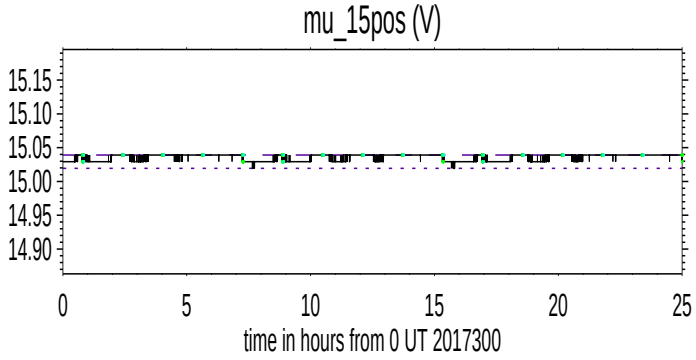

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017300

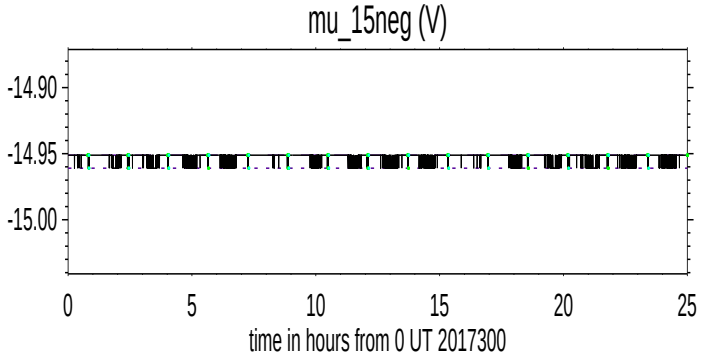

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017300

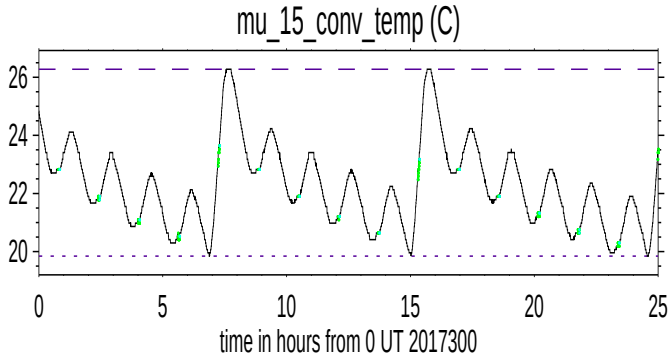

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

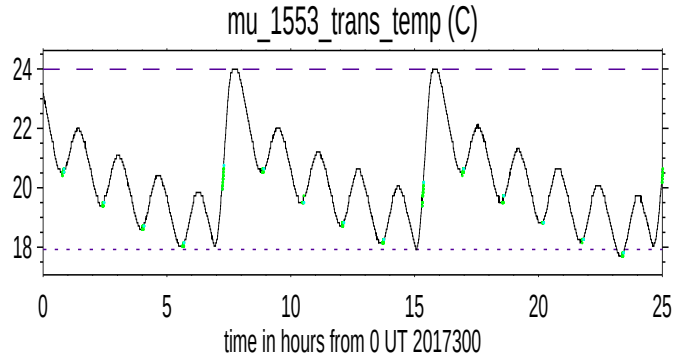

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017300

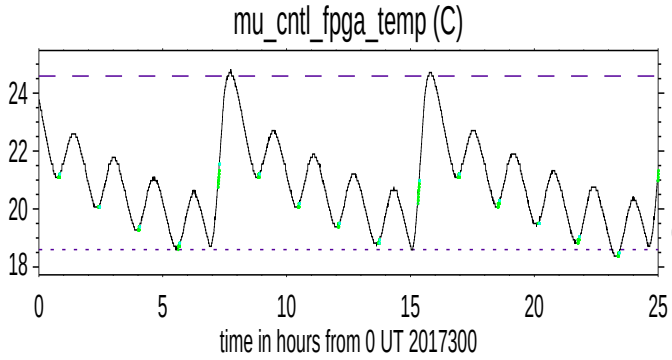

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017300

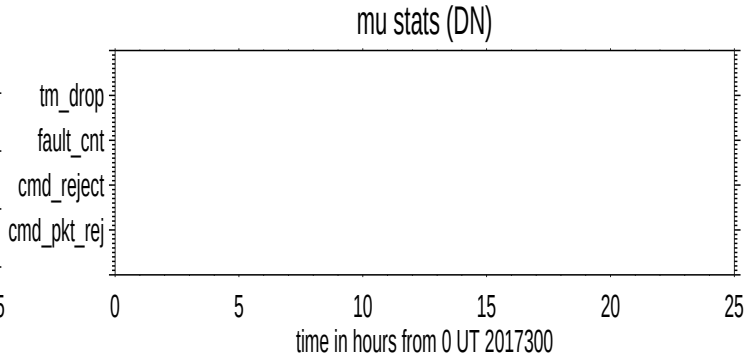

mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2017300

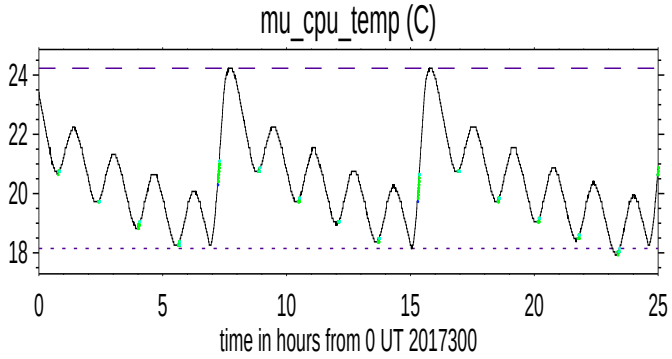

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017300

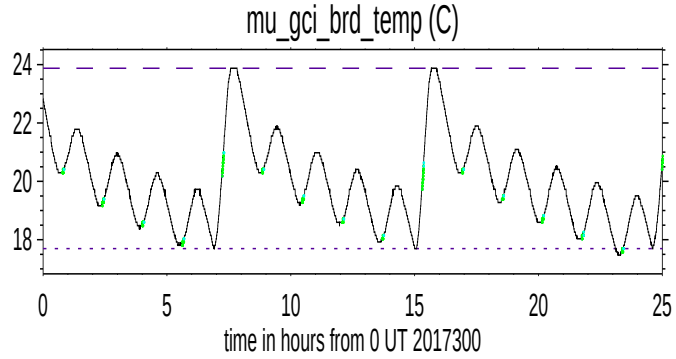

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017300

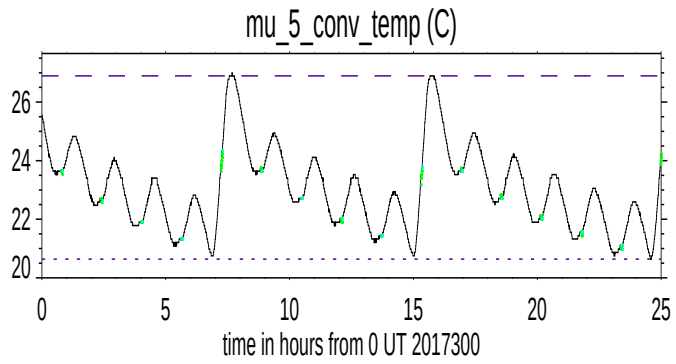

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

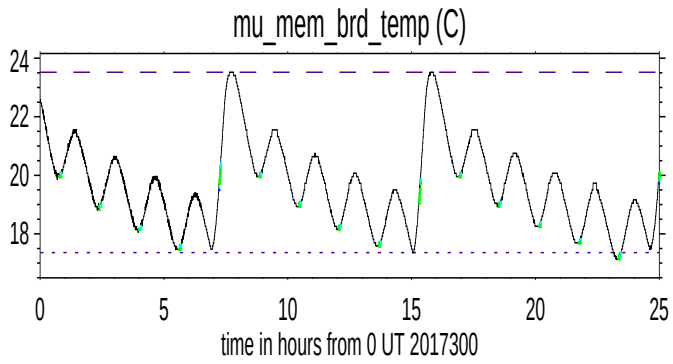

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

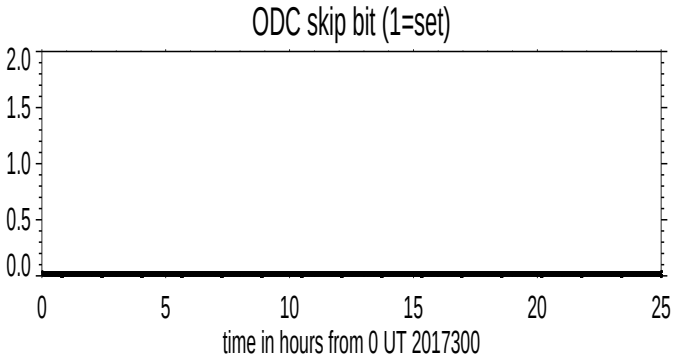

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2017300

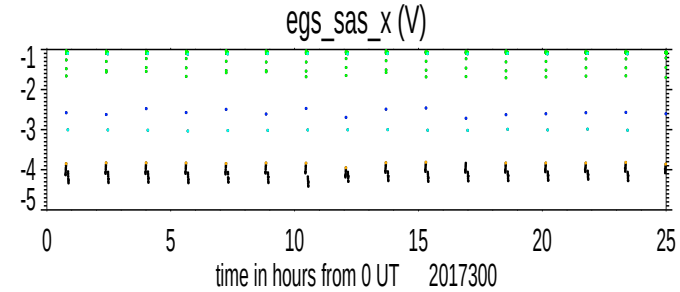

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

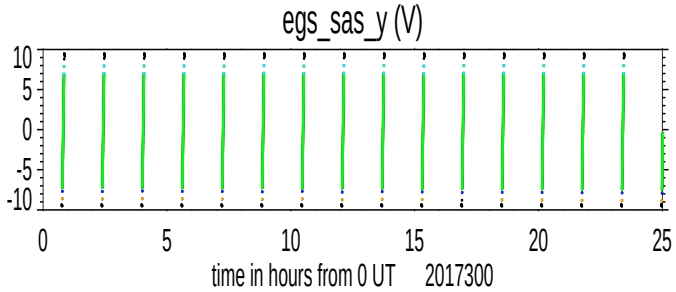

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

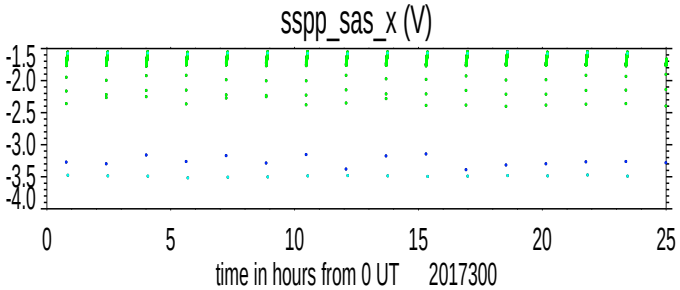

mu_5_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017300

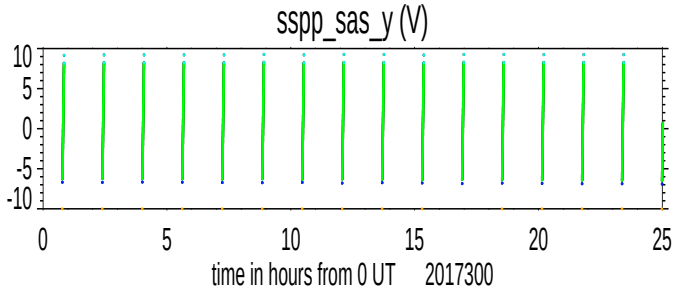

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017300

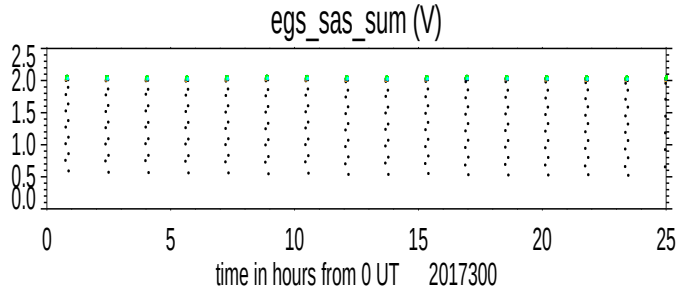

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

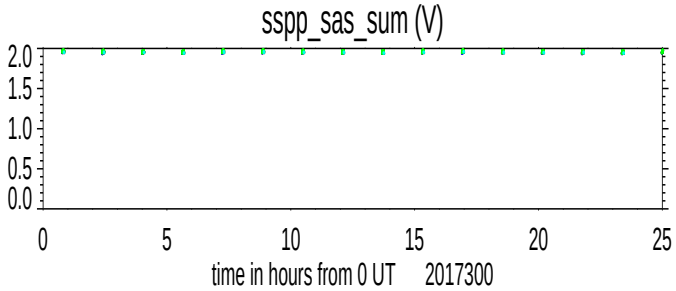

egs_sas_x (V)
-1
-2
-3
-4
-5
0
5
10
15
20
25
time in hours from 0 UT 2017300

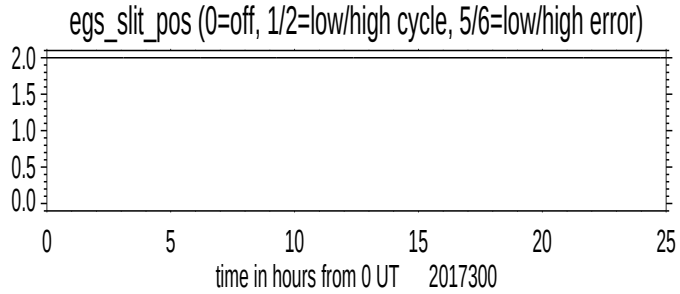

egs_sas_y (V)
10
5
0
-5
-10
0
5
10
15
20
25
time in hours from 0 UT 2017300

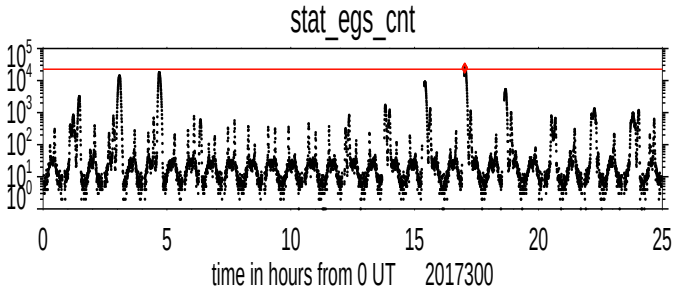

sspp_sas_x (V)
-1.5
-2.0
-2.5
-3.0
-3.5
-4.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

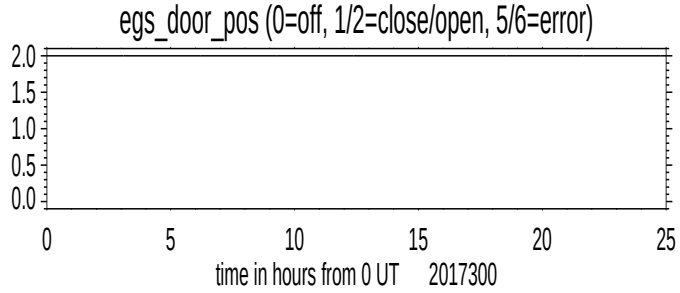

sspp_sas_y (V)
10
5
0
-5
-10
0
5
10
15
20
25
time in hours from 0 UT 2017300

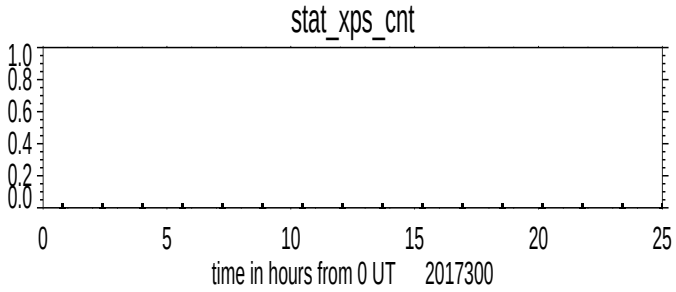

egs_sas_sum (V)
2.5
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

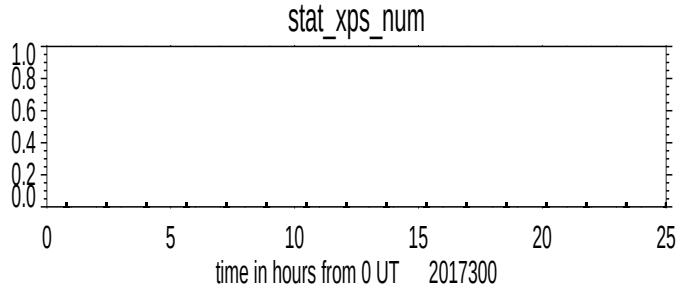

sspp_sas_sum (V)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

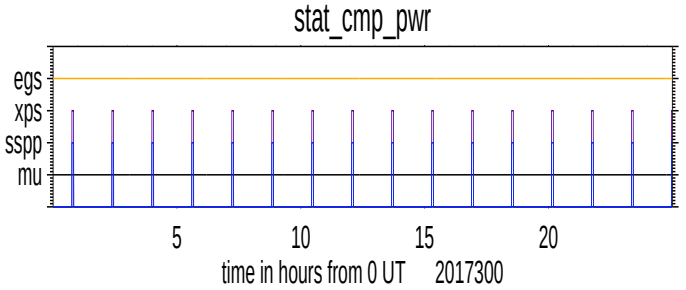

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

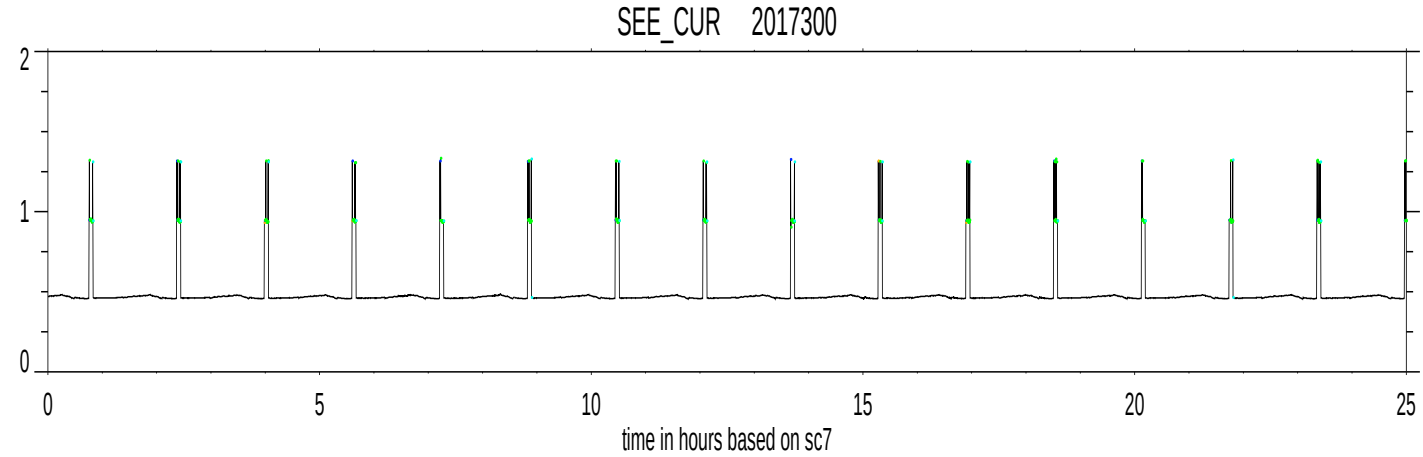

stat_egs_cnt
10^5
10^4
10^3
10^2
10^1
10^0
0
5
10
15
20
25
time in hours from 0 UT 2017300

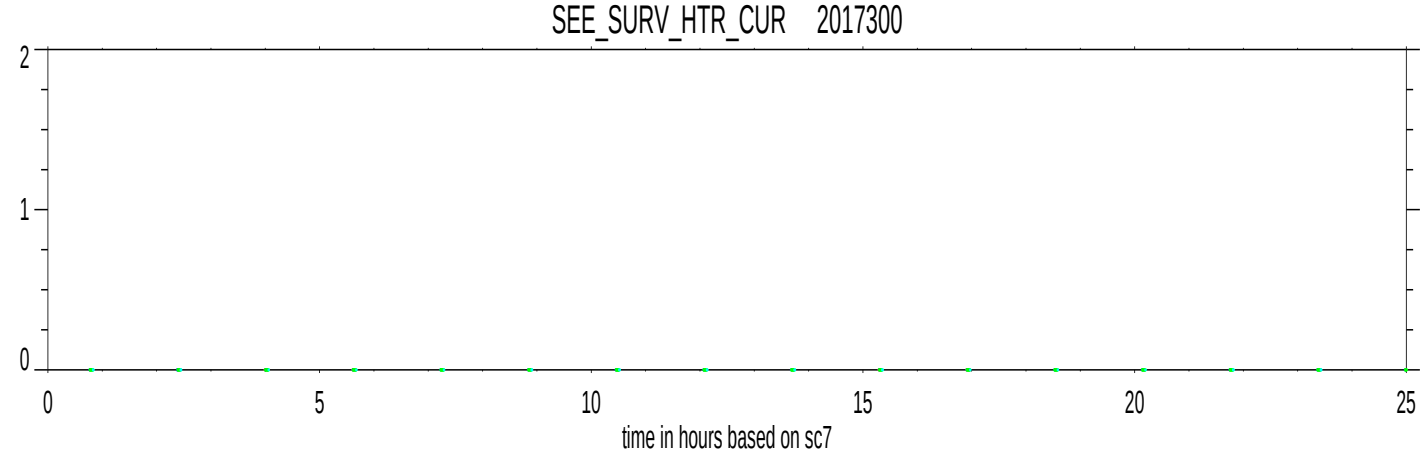

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

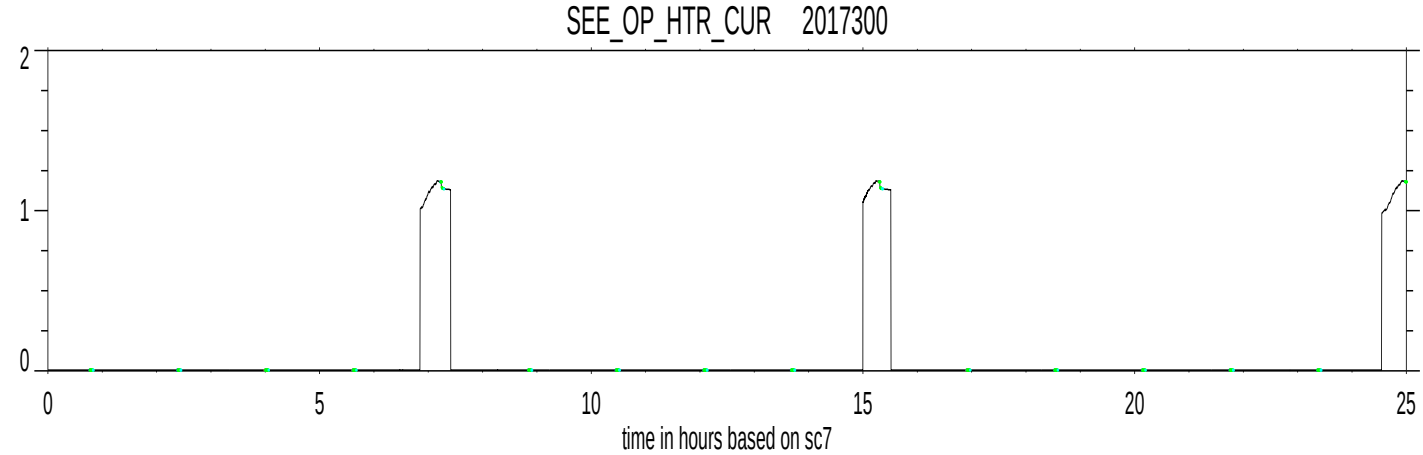

stat_xps_cnt
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

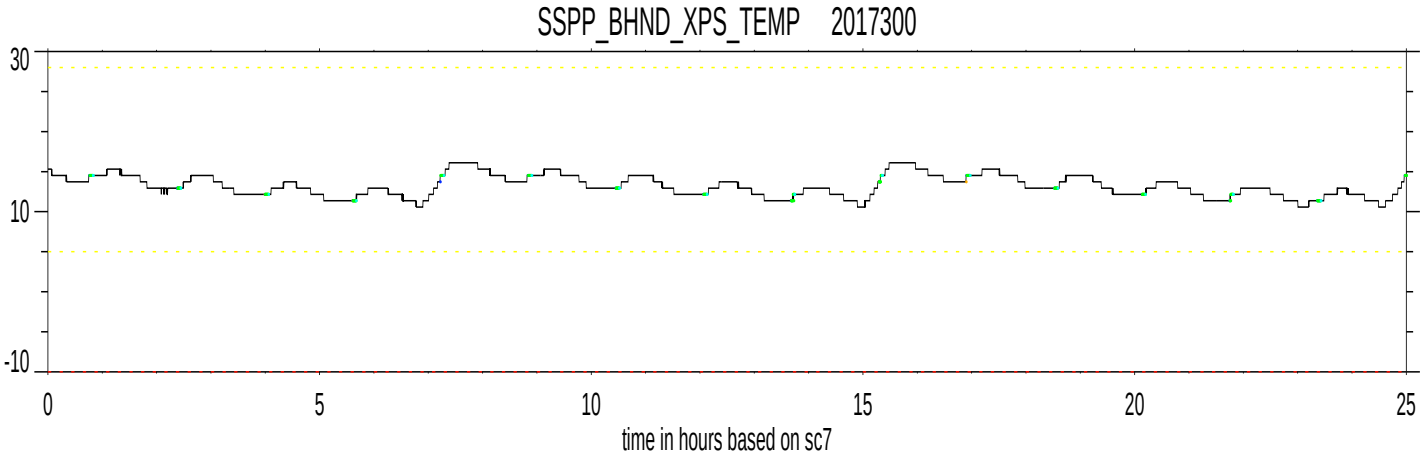

stat_xps_num
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017300

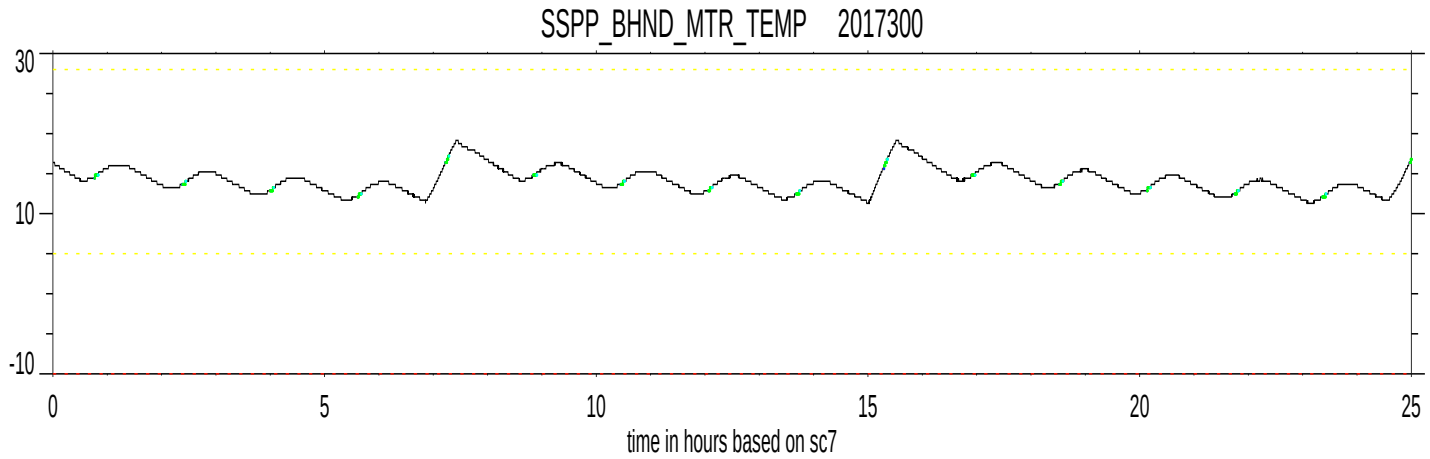

stat_cmp_pwr
egs
xps
sspp
mu
5
10
15
20
time in hours from 0 UT 2017300

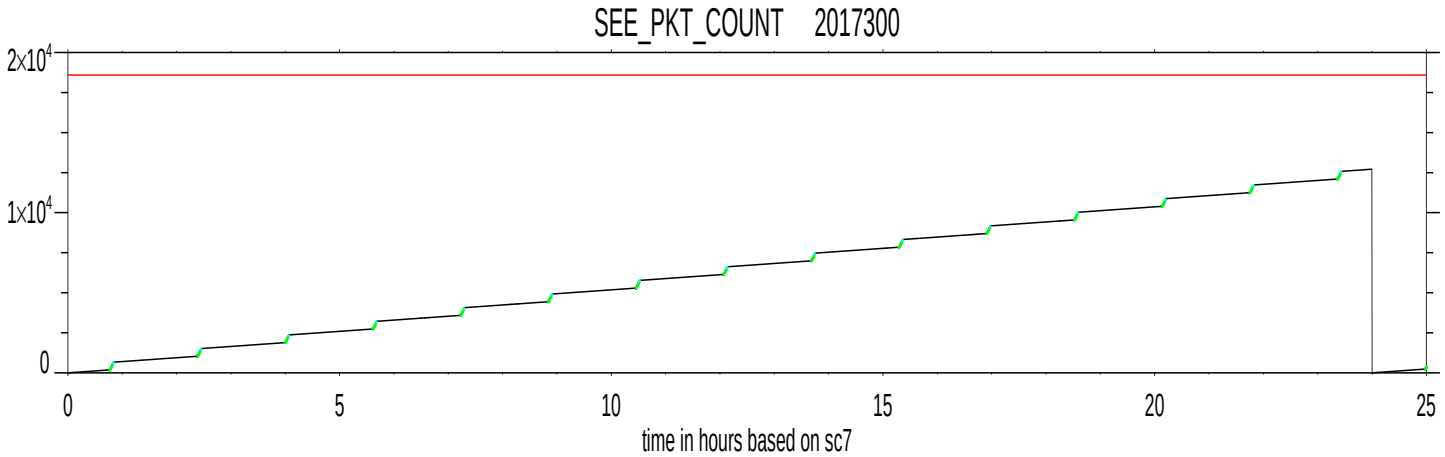

SEE_CUR 2017300
2
1
0
0
5
10
15
20
25
time in hours based on sc7

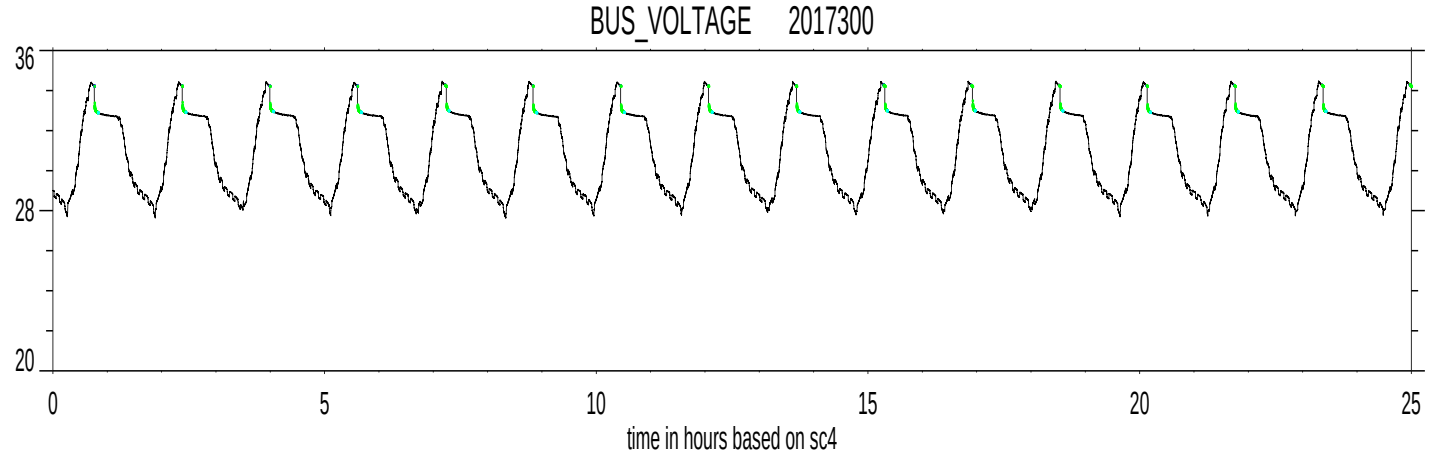

SEE_SURV_HTR_CUR 2017300
2
1
0
0
5
10
15
20
25
time in hours based on sc7

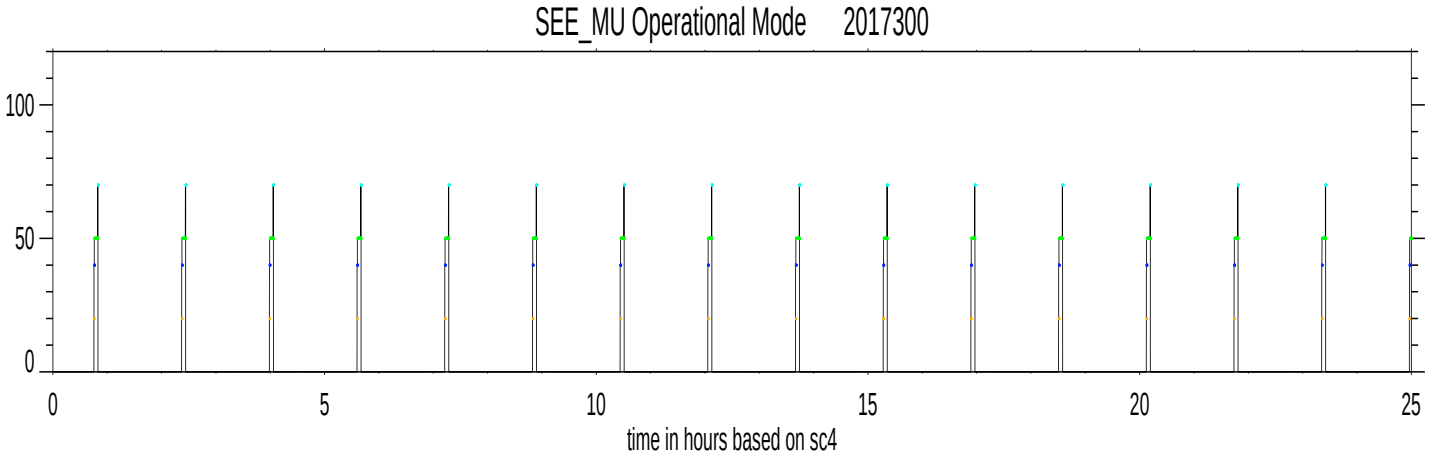

SEE_OP_HTR_CUR 2017300
2
1
0
0
5
10
15
20
25
time in hours based on sc7

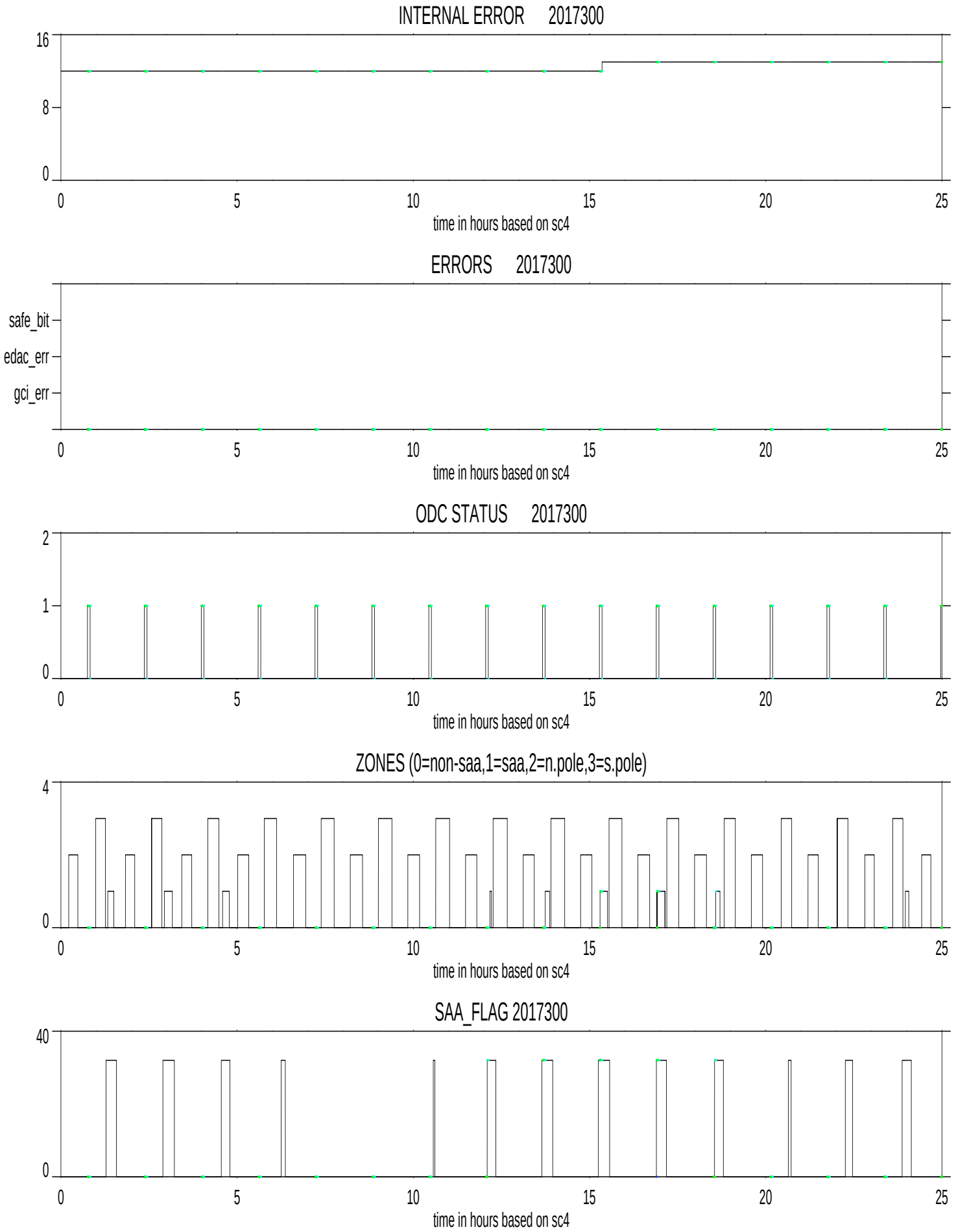

SSPP_BHND_XPS_TEMP 2017300
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

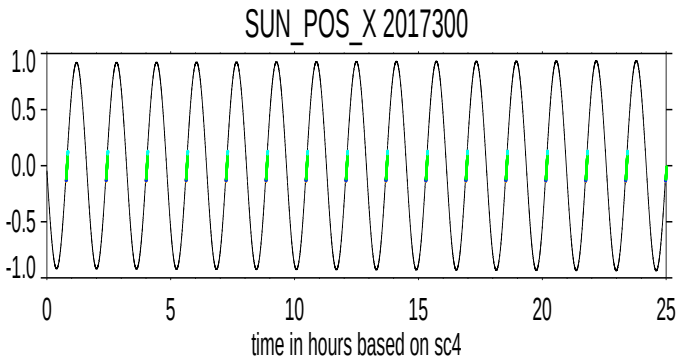

SSPP_BHND_MTR_TEMP 2017300
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

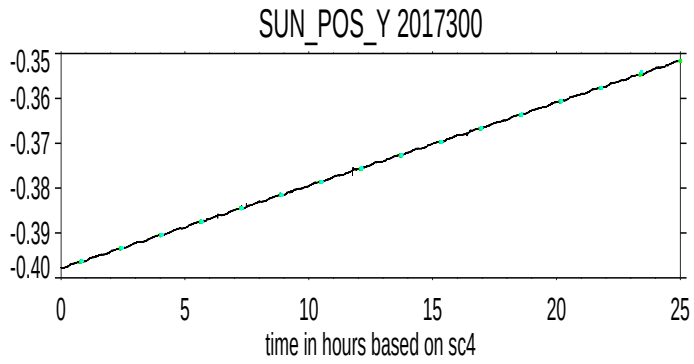

SEE_PKT_COUNT 2017300
2×10^4
1×10^4
0
0
5
10
15
20
25
time in hours based on sc7

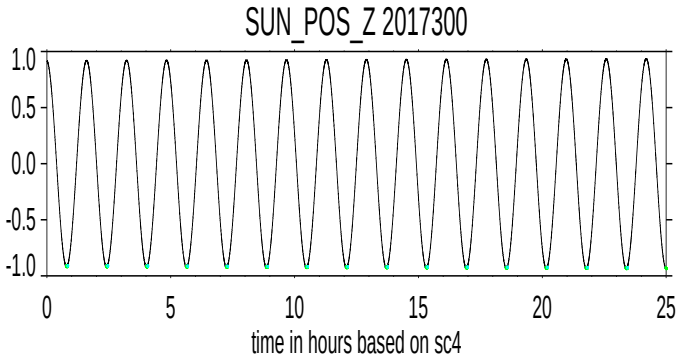

BUS_VOLTAGE 2017300
36
28
20
0
5
10
15
20
25
time in hours based on sc4

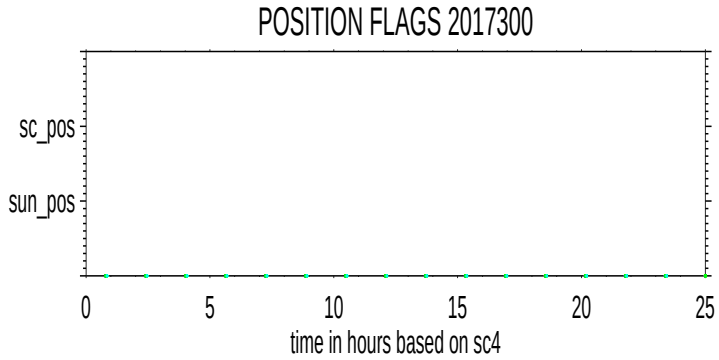

SEE_MU Operational Mode 2017300
100
50
0
0
5
10
15
20
25
time in hours based on sc4

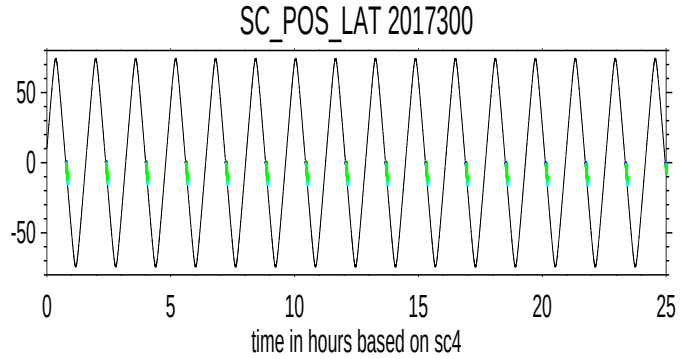

INTERNAL ERROR 2017300
16
8
0
0
5
10
15
20
25
time in hours based on sc4
ERRORS 2017300
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4
ODC STATUS 2017300
2
1
0
0
5
10
15
20
25
time in hours based on sc4
ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4
SAA_FLAG 2017300
40
0
0
5
10
15
20
25
time in hours based on sc4

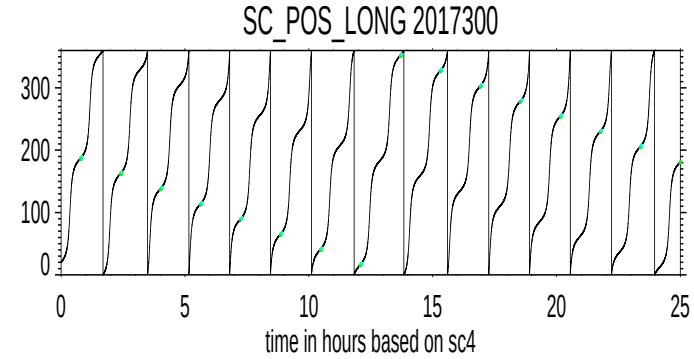

SUN_POS_X 2017300
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

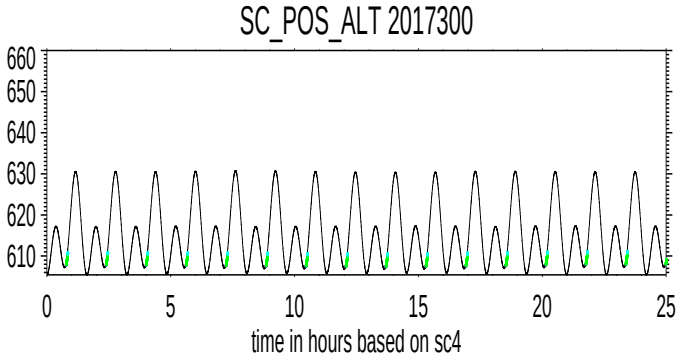

SUN_POS_Y 2017300
-0.35
-0.36
-0.37
-0.38
-0.39
-0.40
0
5
10
15
20
25
time in hours based on sc4

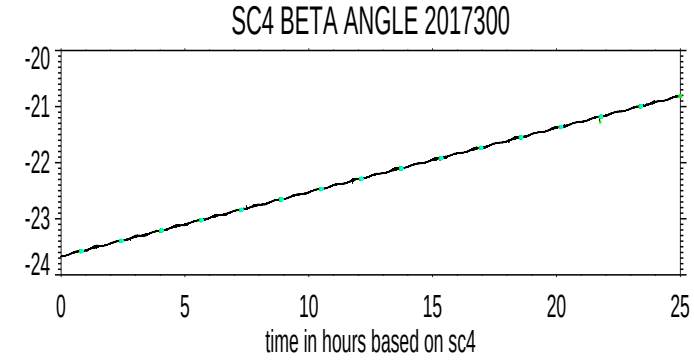

SUN_POS_Z 2017300
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2017300
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2017300
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2017300
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2017300
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2017300
-20
-21
-22
-23
-24
0
5
10
15
20
25
time in hours based on sc4