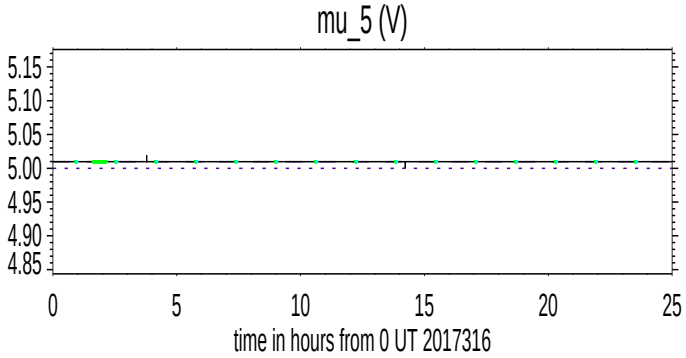
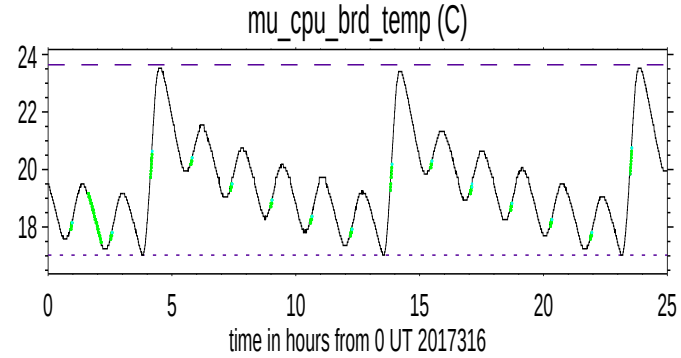
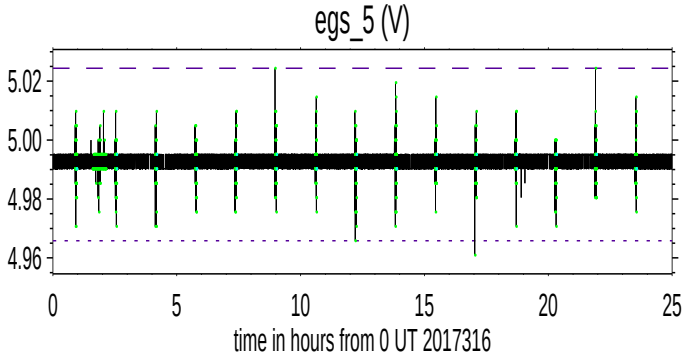
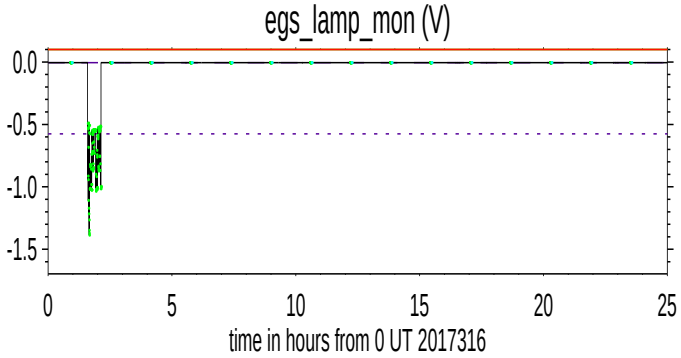
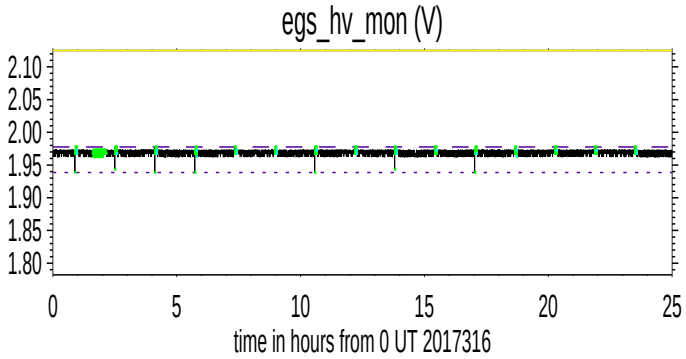
```
Information for      2017316
13:50:03.001: see_stat[1]: 4 internal error
```

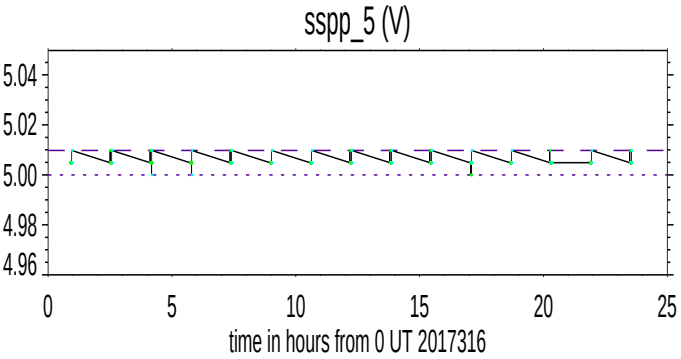

mu_5 (V)
5.15
5.10
5.05
5.00
4.95
4.90
4.85
0
5
10
15
20
25
time in hours from 0 UT 2017316

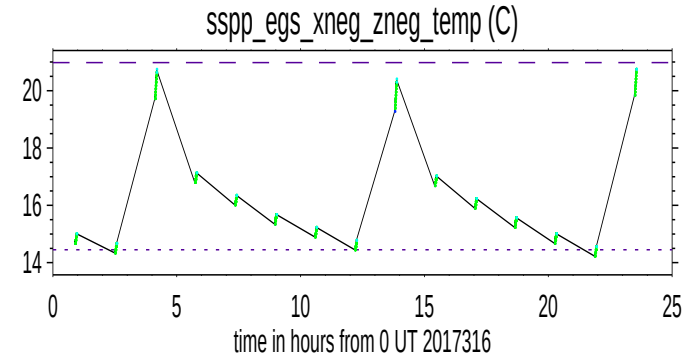

mu_cpu_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

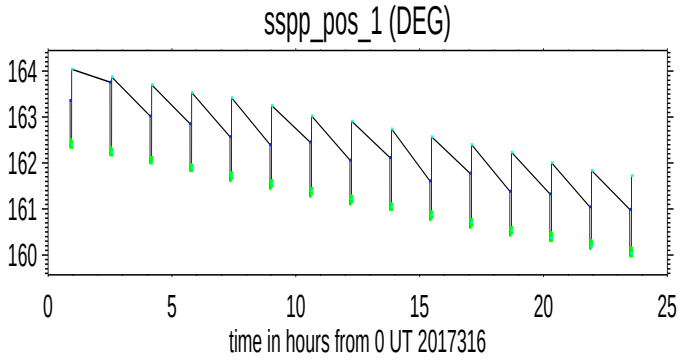

egs_5 (V)
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017316

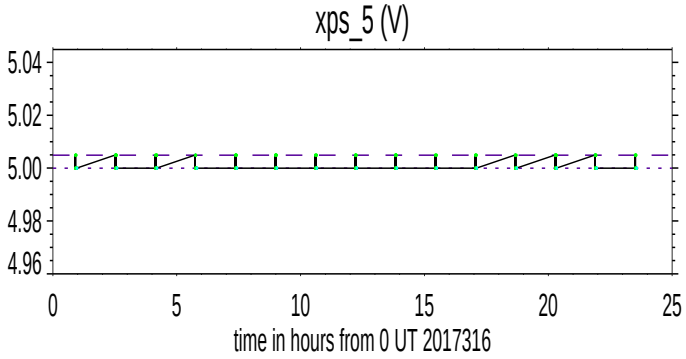

egs_lamp_mon (V)
0.0
-0.5
-1.0
-1.5
0
5
10
15
20
25
time in hours from 0 UT 2017316

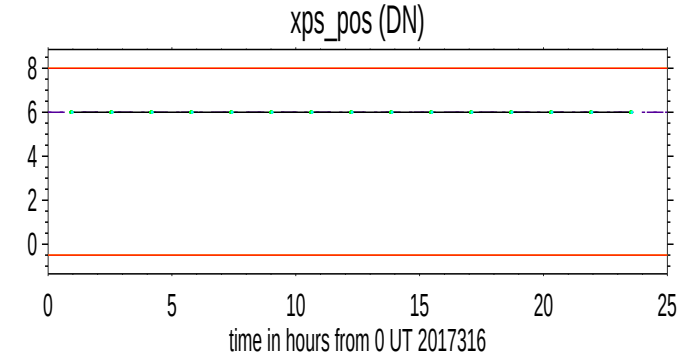

egs_hv_mon (V)
2.10
2.05
2.00
1.95
1.90
1.85
1.80
0
5
10
15
20
25
time in hours from 0 UT 2017316

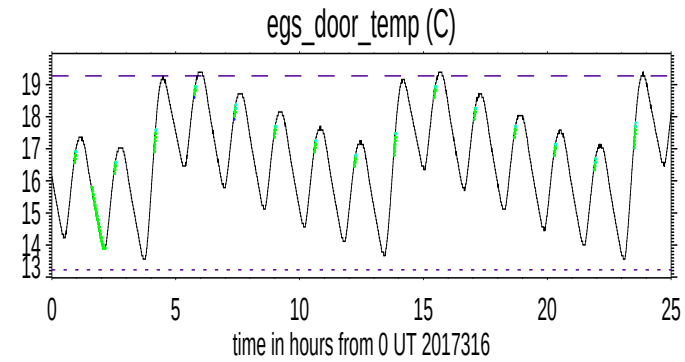

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017316

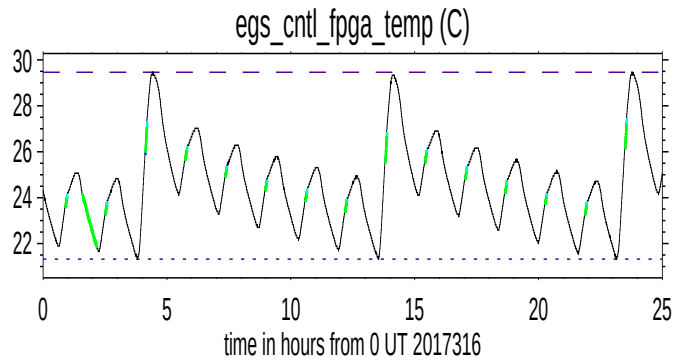

sspp_egs_xneg_zneg_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

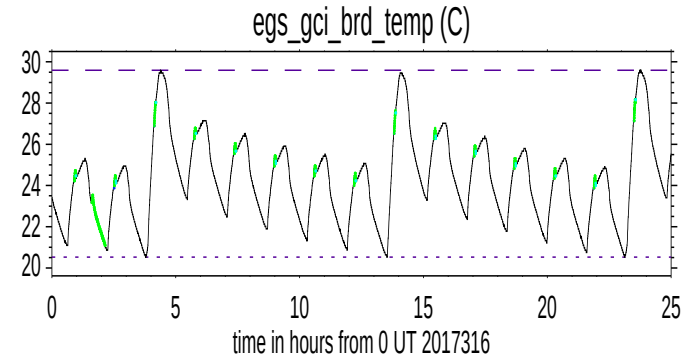

sspp_pos_1 (DEG)
164
163
162
161
160
0
5
10
15
20
25
time in hours from 0 UT 2017316

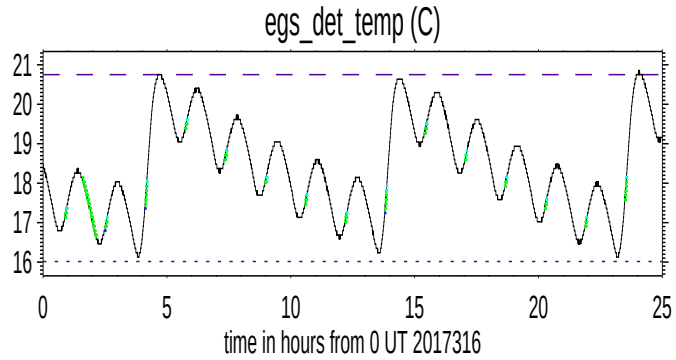

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017316

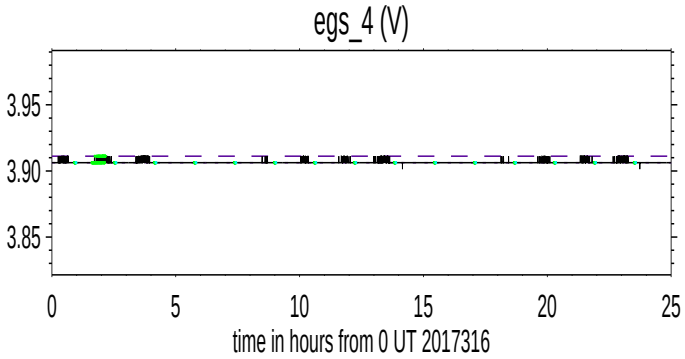

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2017316

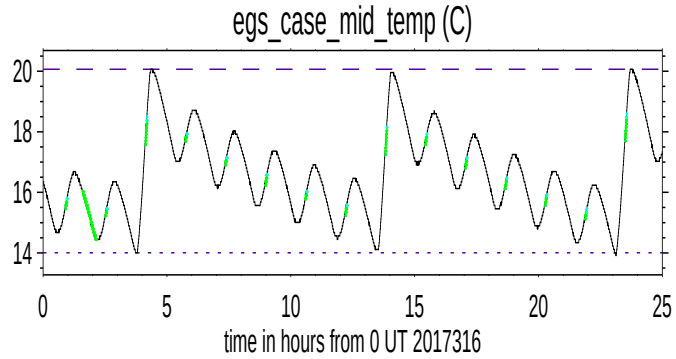

egs_door_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017316

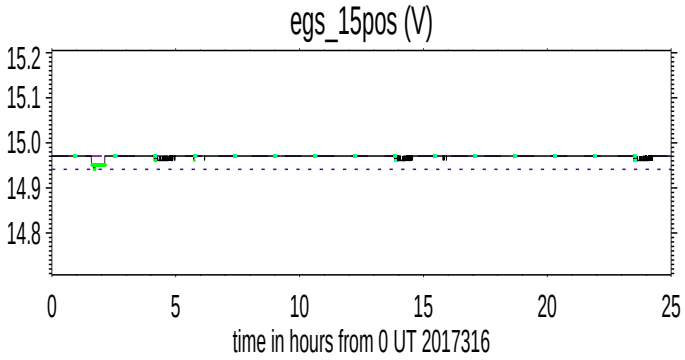

egs_cntl_fpga_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017316

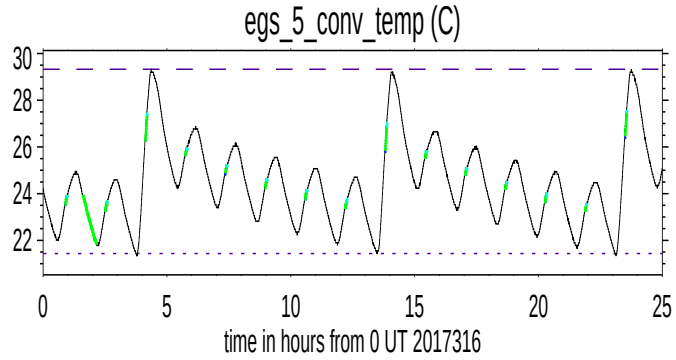

egs_gci_brd_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

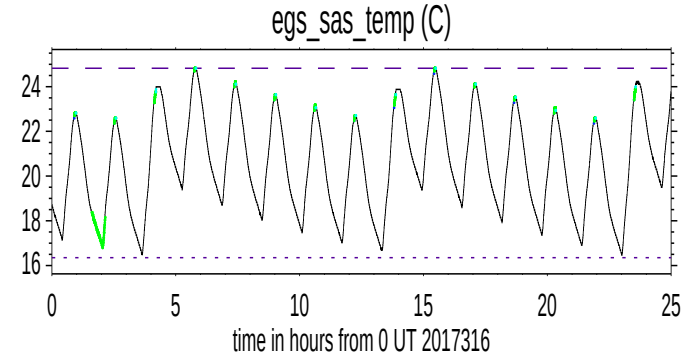

egs_det_temp (C)
21
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2017316

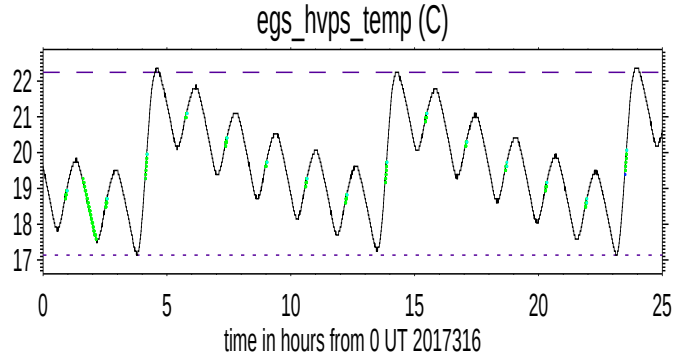

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017316

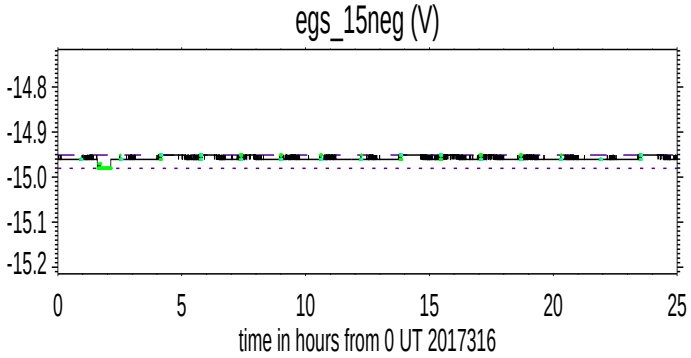

egs_case_mid_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

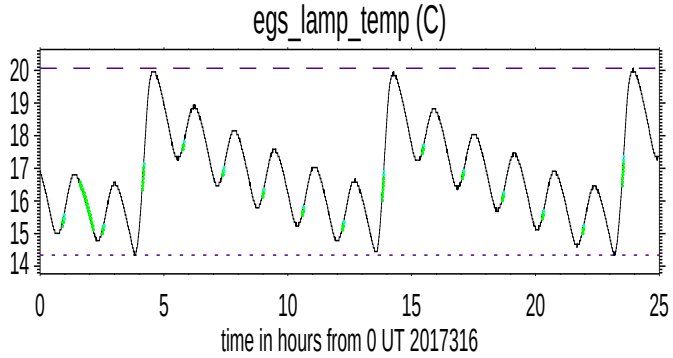

egs_15pos (V)
15.2
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2017316

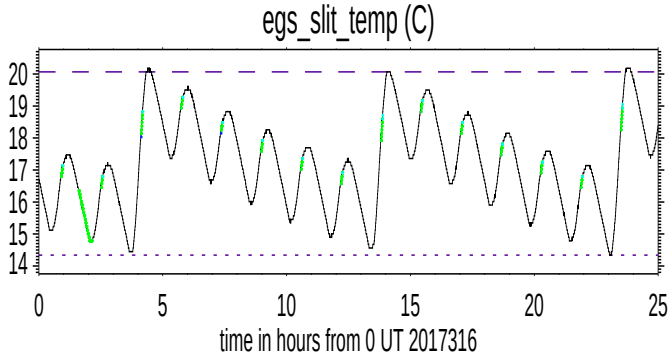

egs_5_conv_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017316

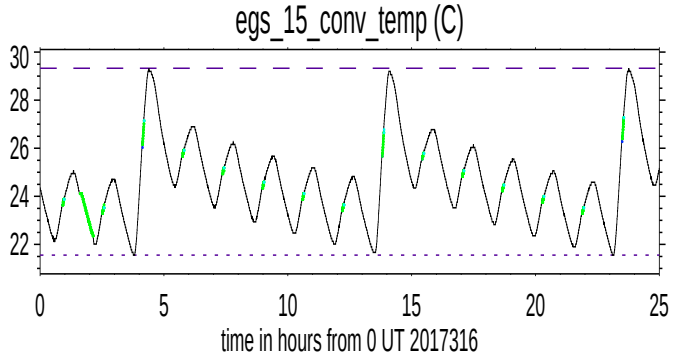

egs_sas_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017316

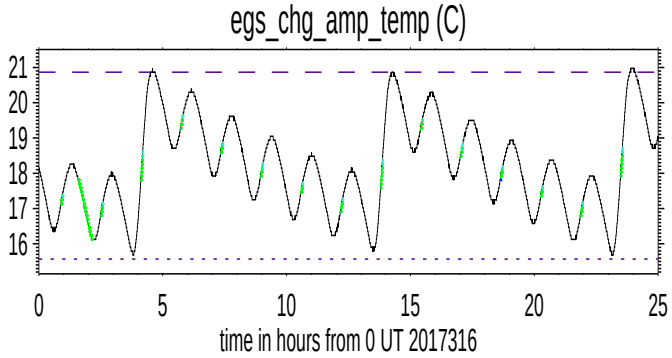

egs_hvps_temp (C)
22
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2017316

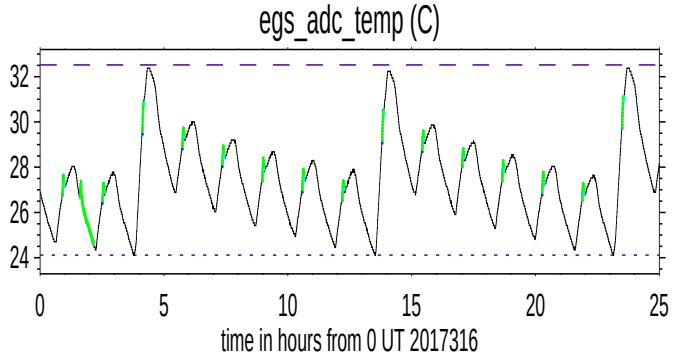

egs_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2017316

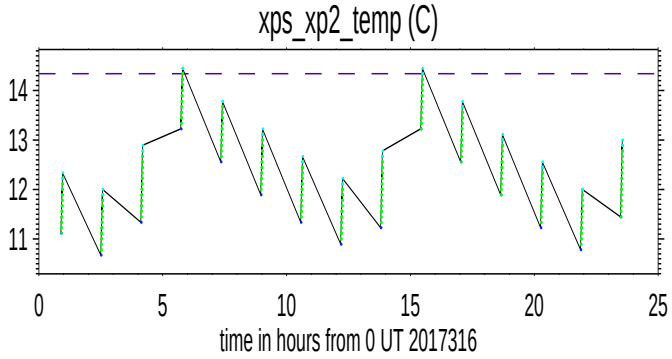

egs_lamp_temp (C)
20 19 18 17 16 15 14
0 5 10 15 20 25
time in hours from 0 UT 2017316

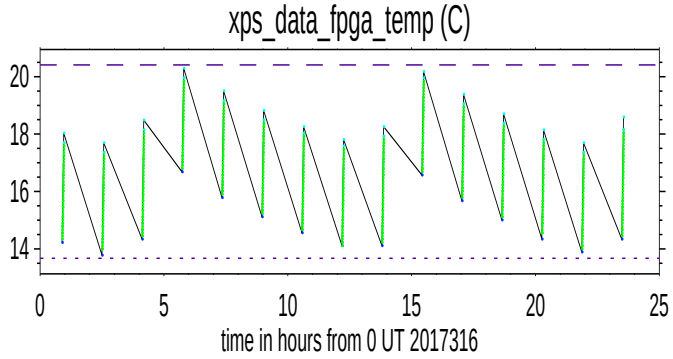

egs_slit_temp (C)
20 19 18 17 16 15 14
0 5 10 15 20 25
time in hours from 0 UT 2017316

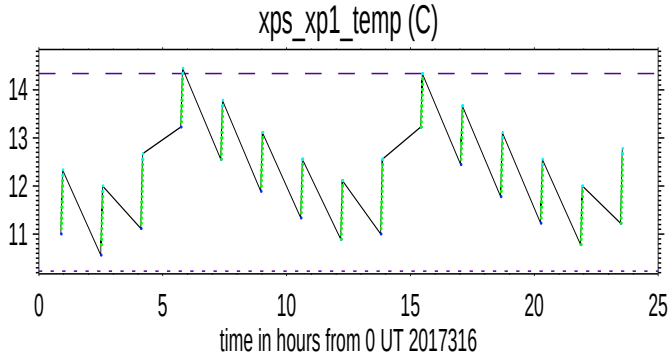

egs_15_conv_temp (C)
30 28 26 24 22
0 5 10 15 20 25
time in hours from 0 UT 2017316

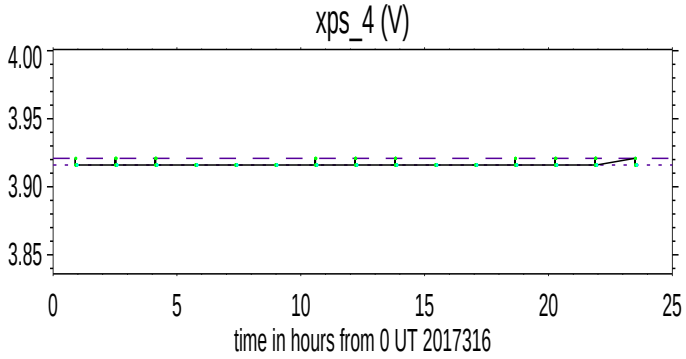

egs_chg_amp_temp (C)
21 20 19 18 17 16
0 5 10 15 20 25
time in hours from 0 UT 2017316

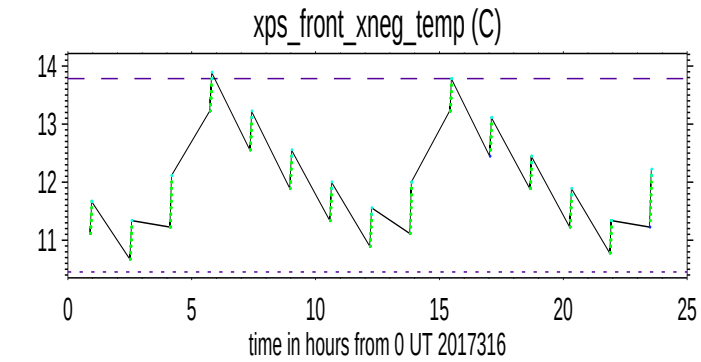

egs_adc_temp (C)
32 30 28 26 24
0 5 10 15 20 25
time in hours from 0 UT 2017316

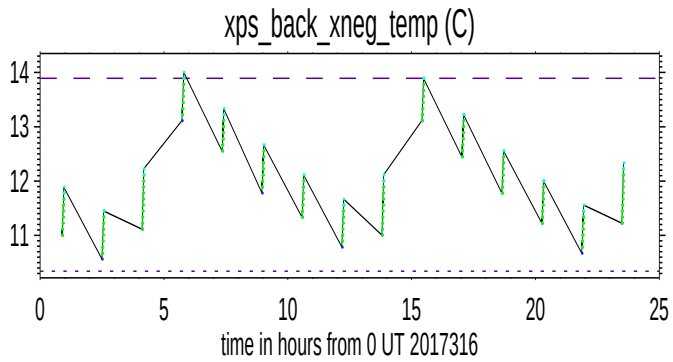

xps_xp2_temp (C)
14 13 12 11
0 5 10 15 20 25
time in hours from 0 UT 2017316

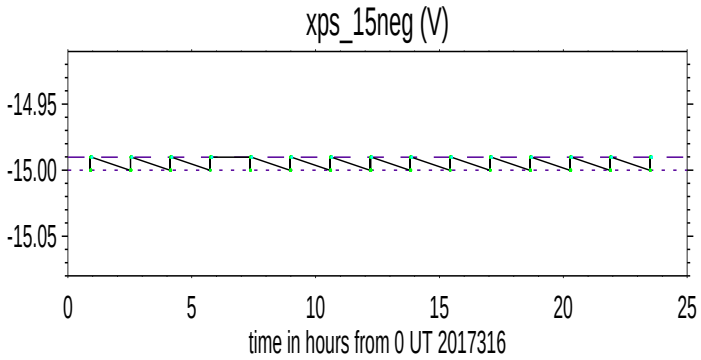

xps_data_fpga_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2017316

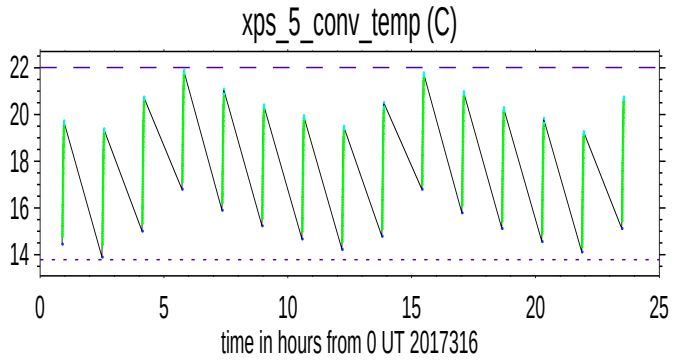

xps_xp1_temp (C)
14 13 12 11
0 5 10 15 20 25
time in hours from 0 UT 2017316

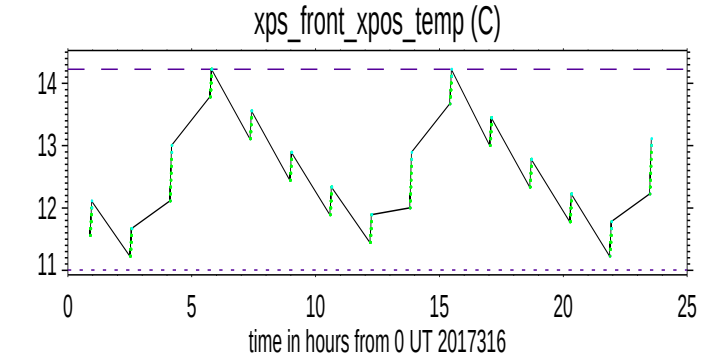

xps_4 (V)
4.00 3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2017316

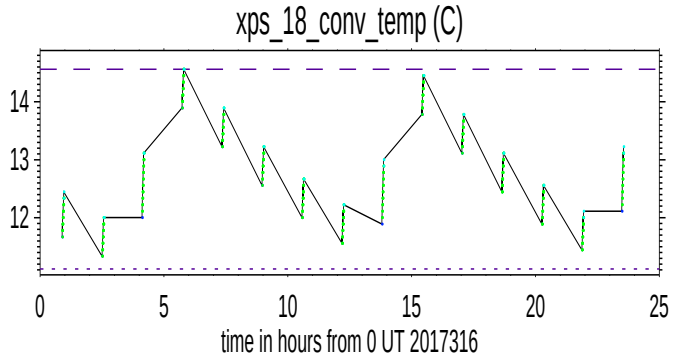

xps_front_xneg_temp (C)
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017316

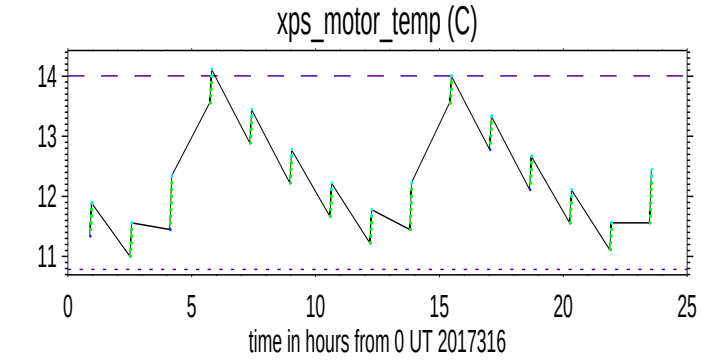

xps_back_xneg_temp (C)
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017316

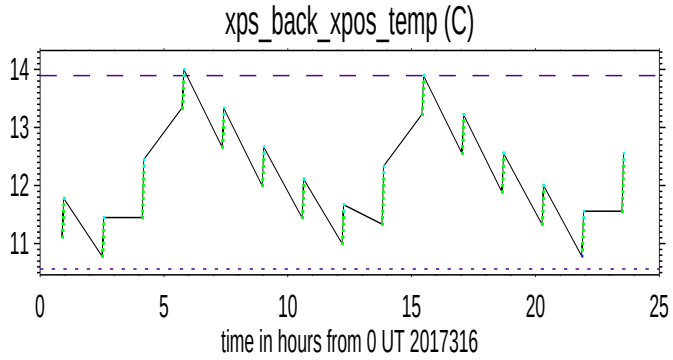

xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2017316

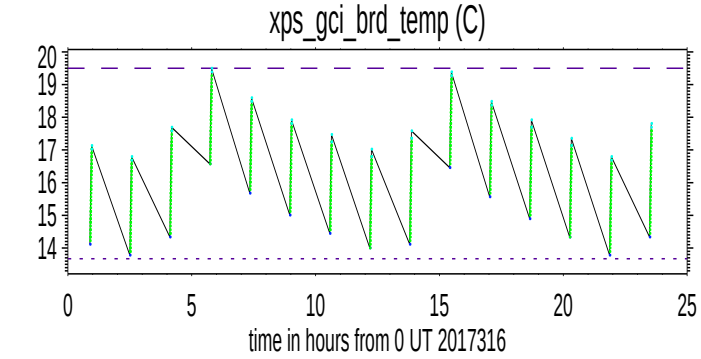

xps_5_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

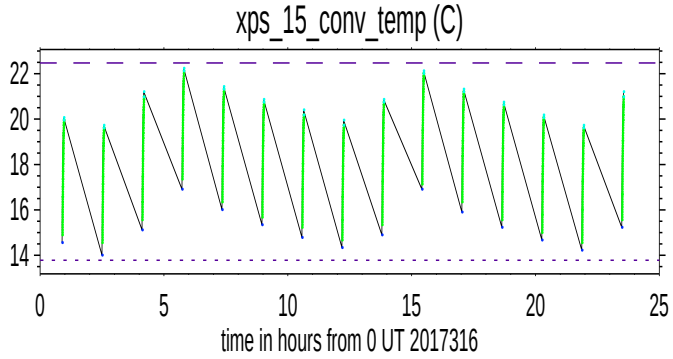

xps_front_xpos_temp (C)
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017316

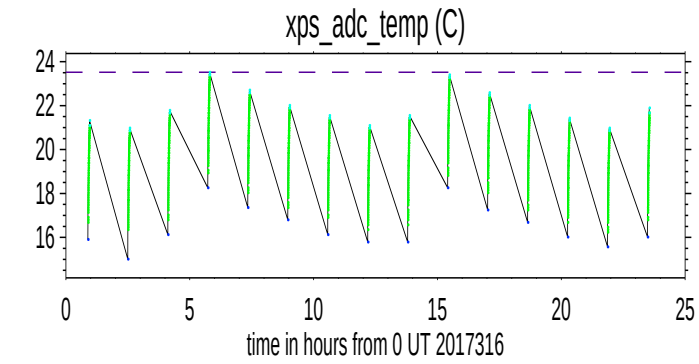

xps_18_conv_temp (C)
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017316

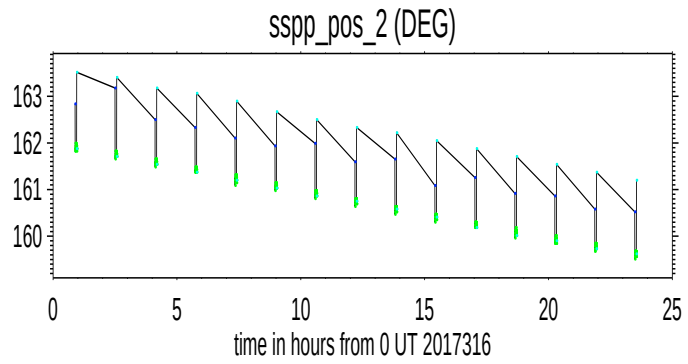

xps_motor_temp (C)
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017316

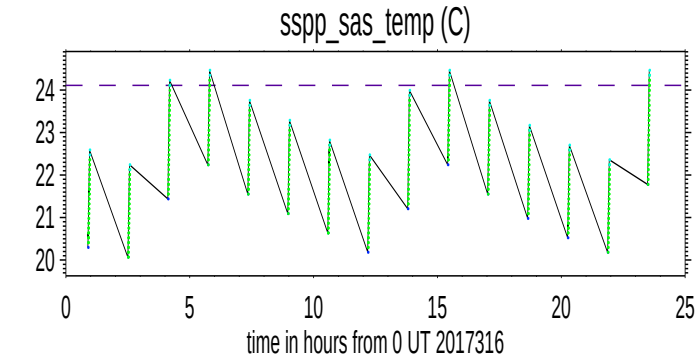

xps_back_xpos_temp (C)
14
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2017316

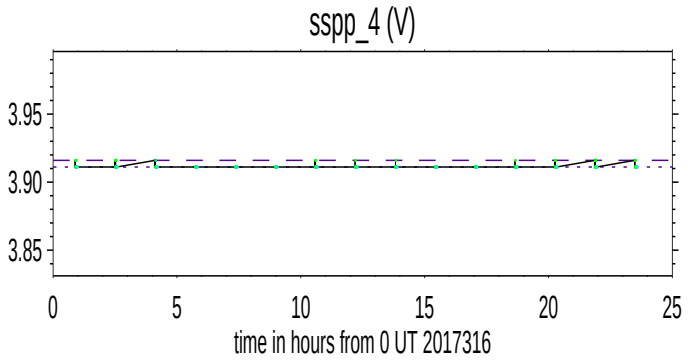

xps_gci_brd_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

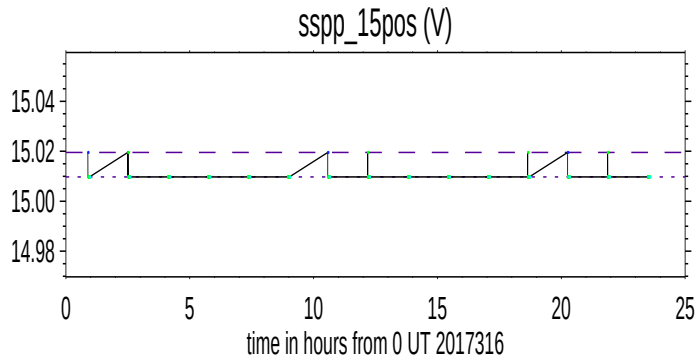

xps_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

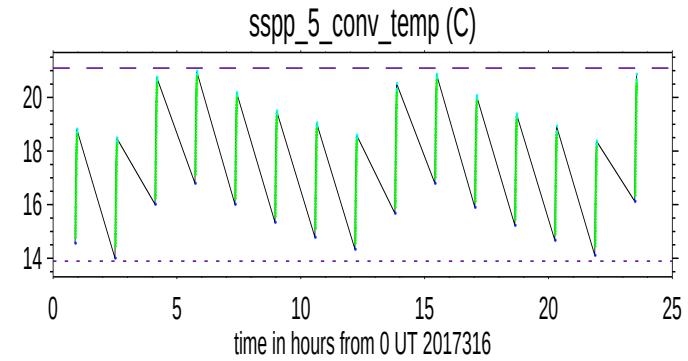

xps_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017316

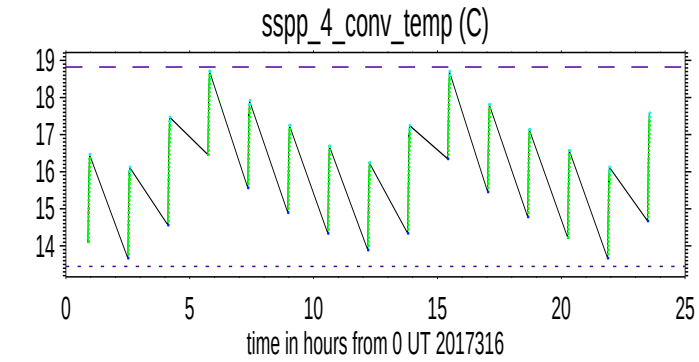

sspp_pos_2 (DEG)
163
162
161
160
0
5
10
15
20
25
time in hours from 0 UT 2017316

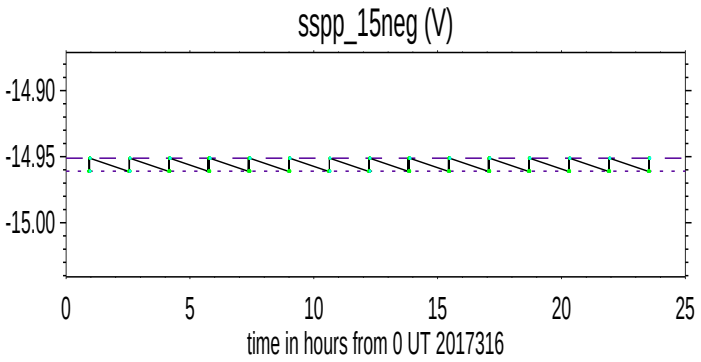

sspp_sas_temp (C)
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

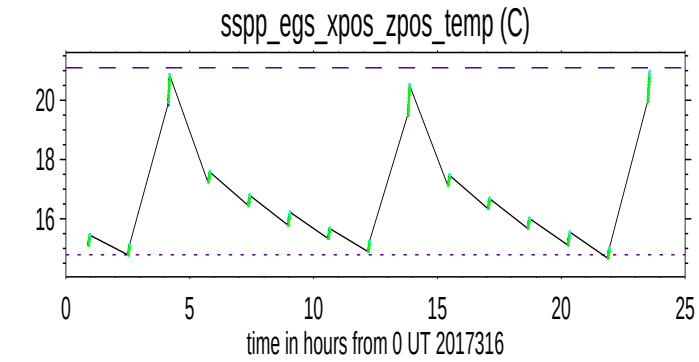

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017316

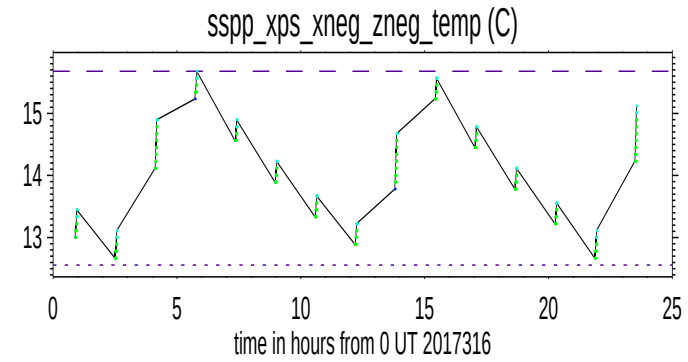

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2017316

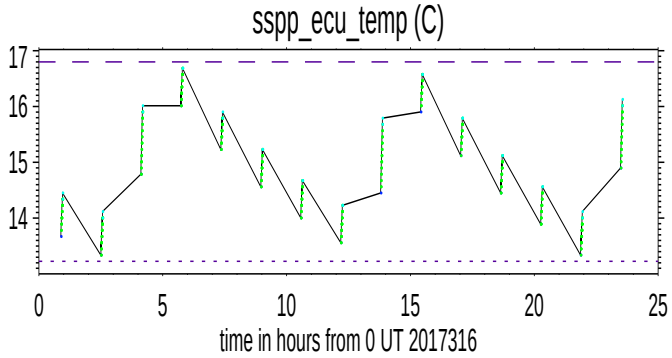

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

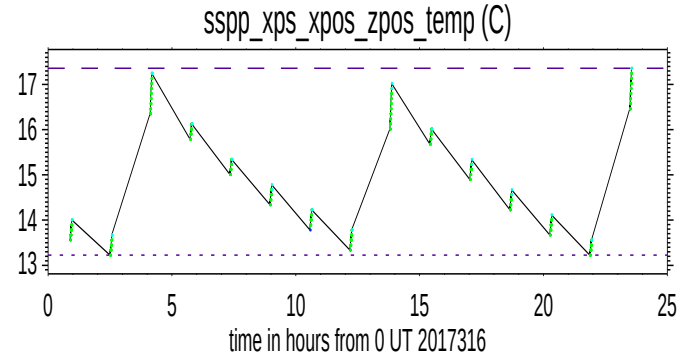

sspp_4_conv_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

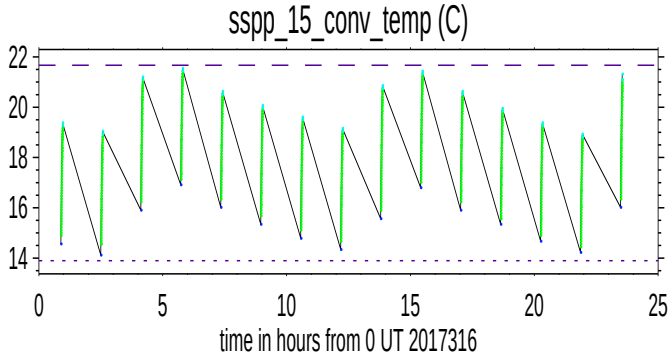

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017316

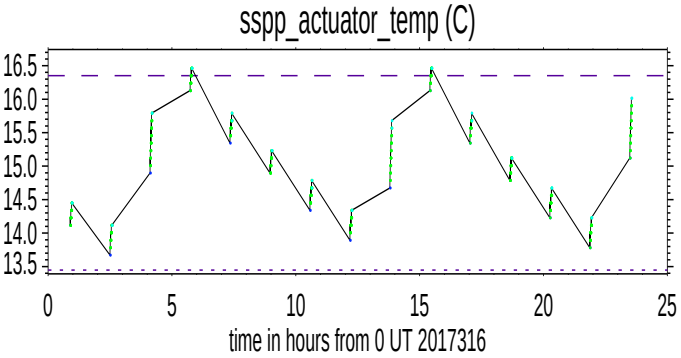

sspp_egs_xpos_zpos_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017316

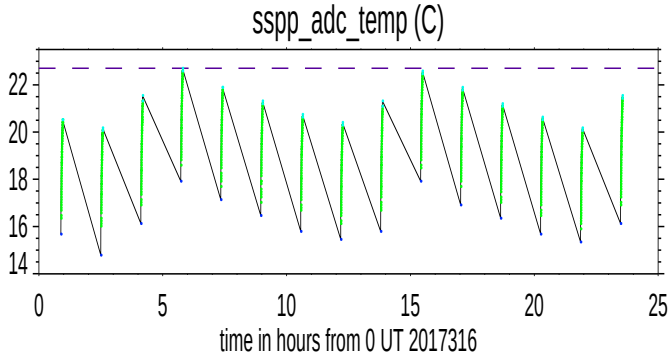

sspp_xps_xneg_zneg_temp (C)
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017316

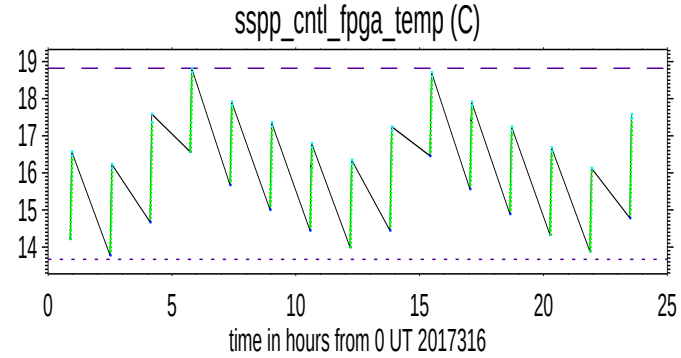

sspp_ecu_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

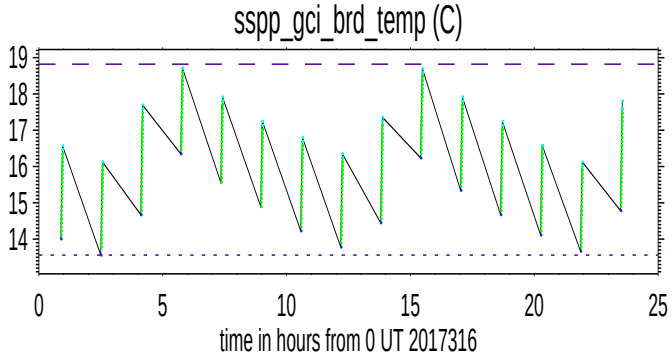

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017316

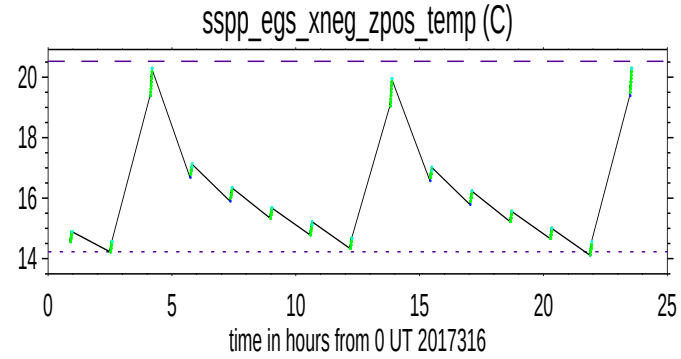

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

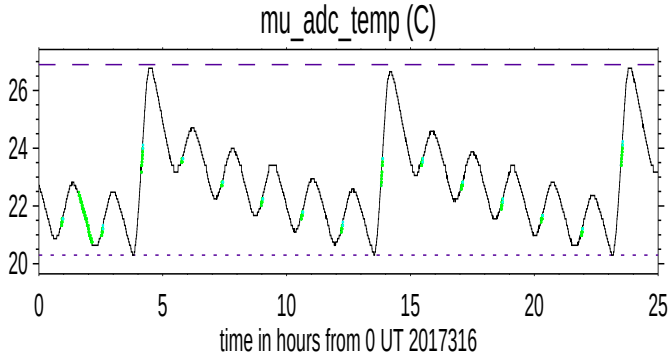

sspp_actuator_temp (C)
16.5
16.0
15.5
15.0
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2017316

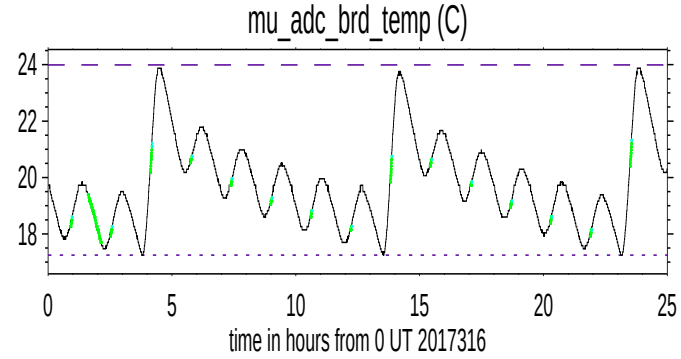

sspp_adc_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

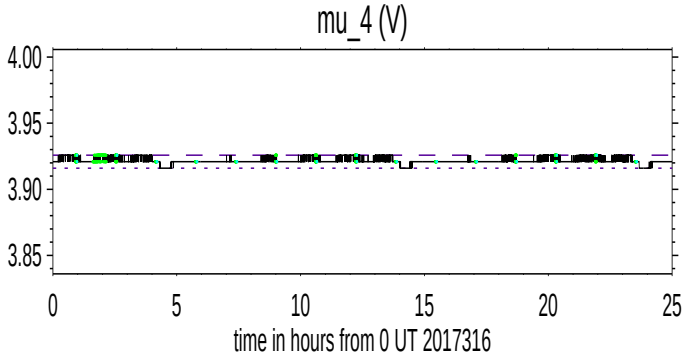

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

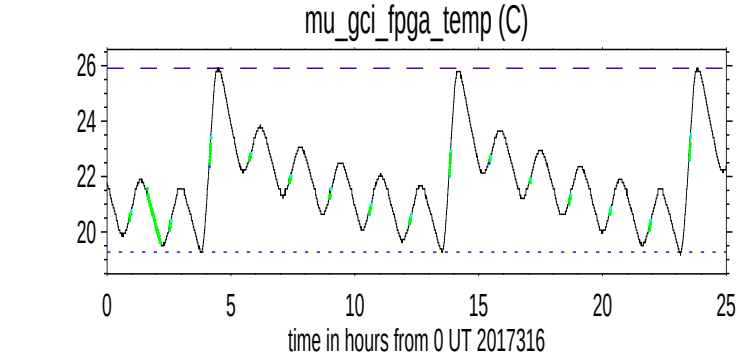

sspp_gci_brd_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

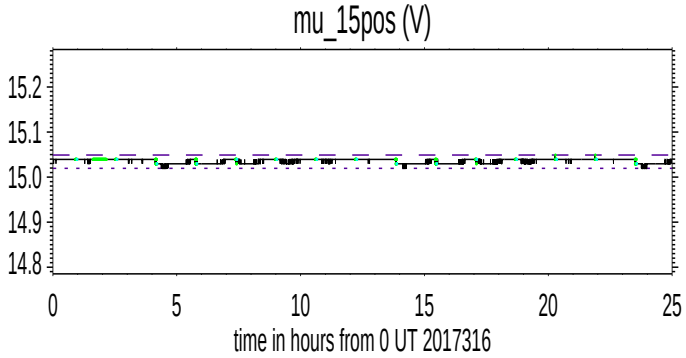

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017316

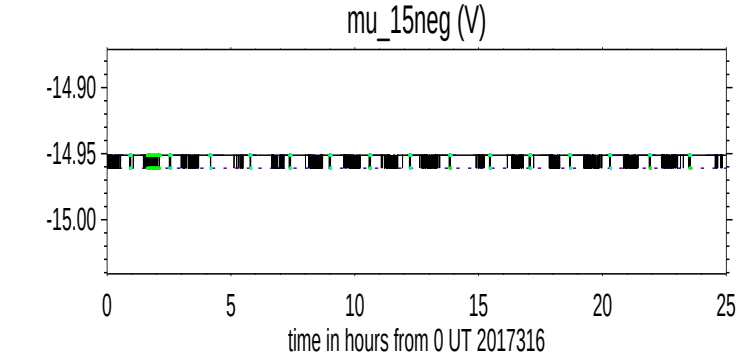

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

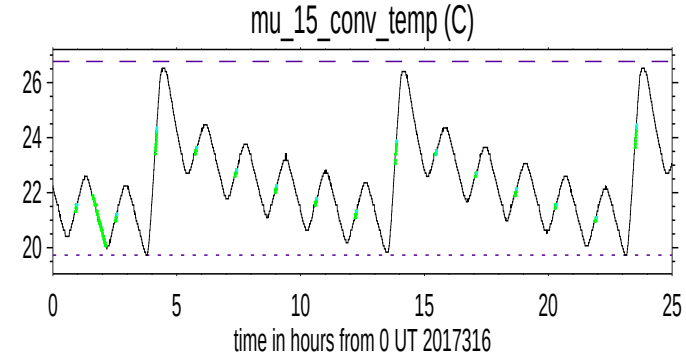

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

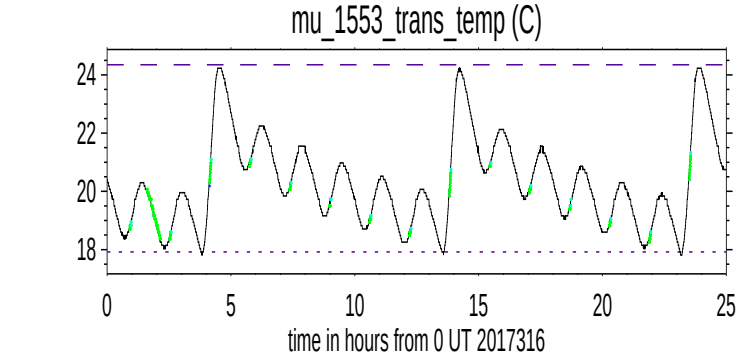

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017316

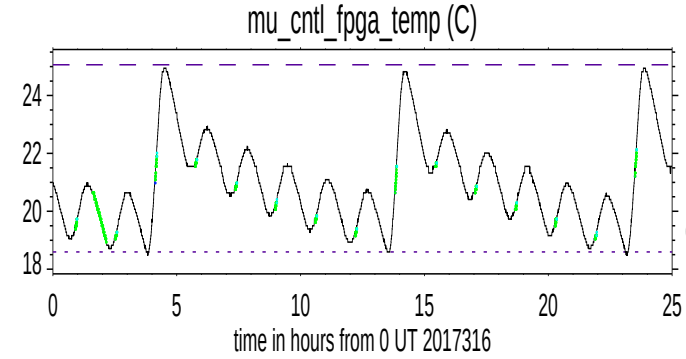

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

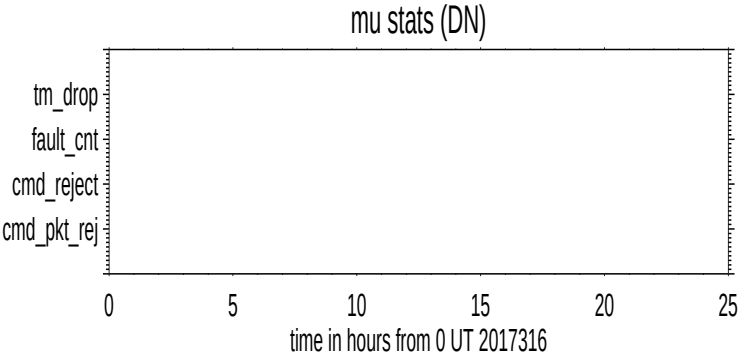

mu_15pos (V)
15.2
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2017316

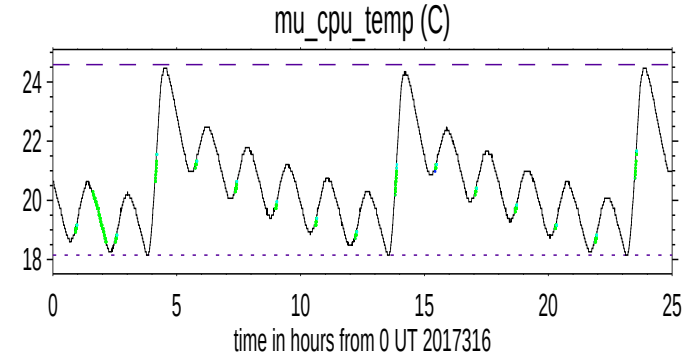

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017316

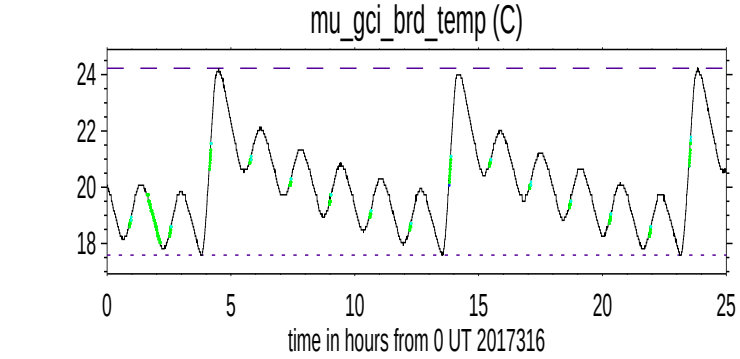

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

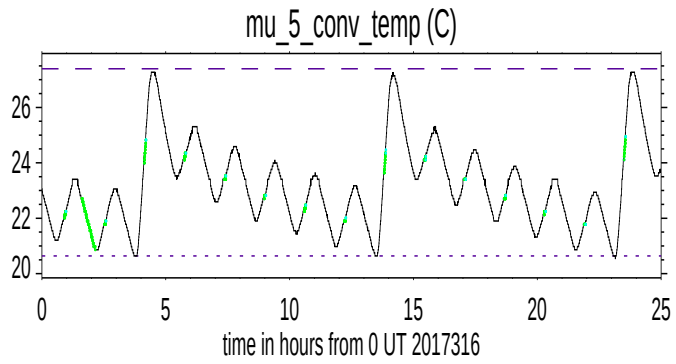

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

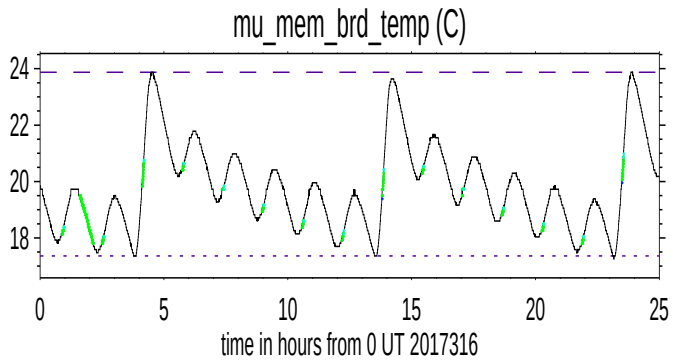

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

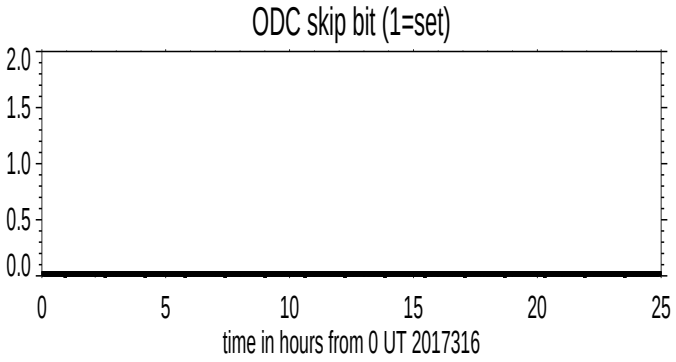

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2017316

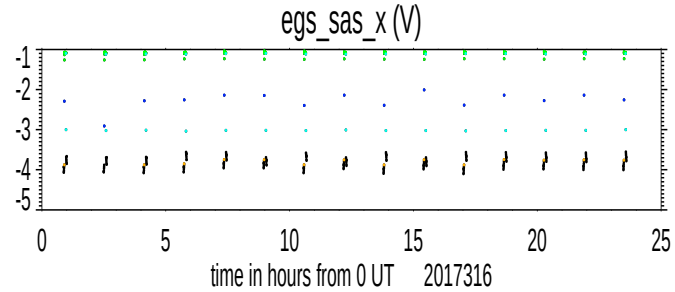

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

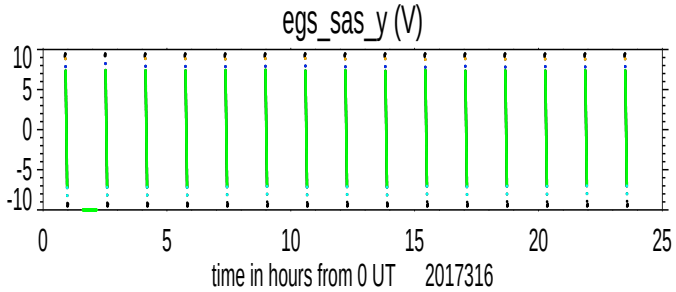

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

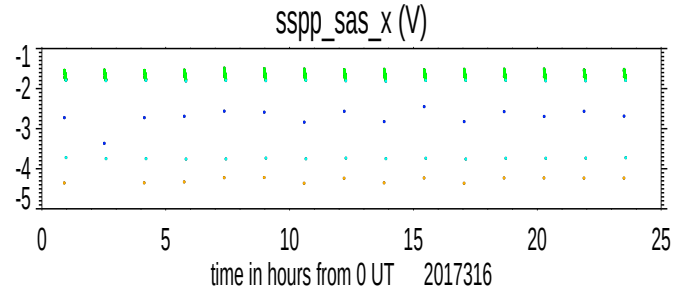

mu_5_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017316

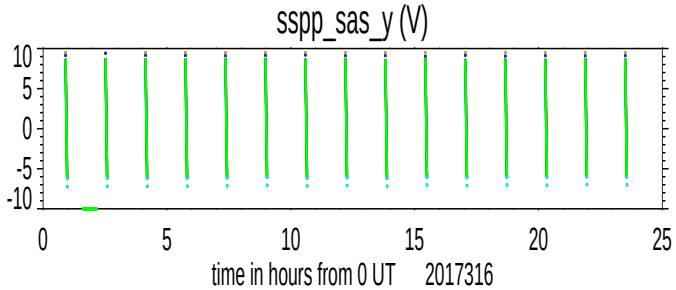

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017316

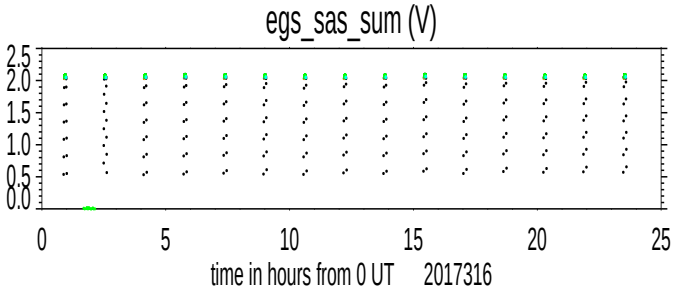

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316

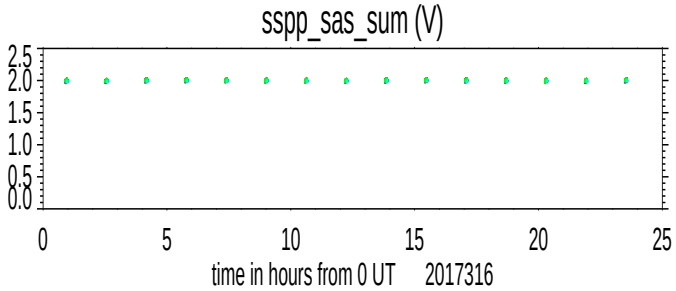

egs_sas_x (V)
-1
-2
-3
-4
-5
0
5
10
15
20
25
time in hours from 0 UT 2017316

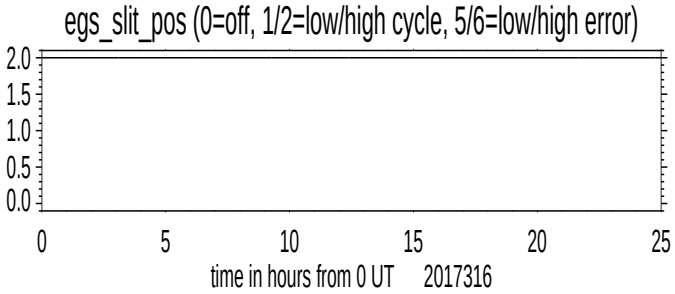

egs_sas_y (V)
10
5
0
-5
-10
0
5
10
15
20
25
time in hours from 0 UT 2017316

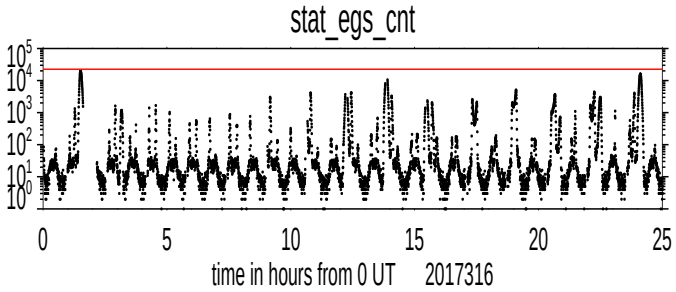

sspp_sas_x (V)
-1
-2
-3
-4
-5
0
5
10
15
20
25
time in hours from 0 UT 2017316

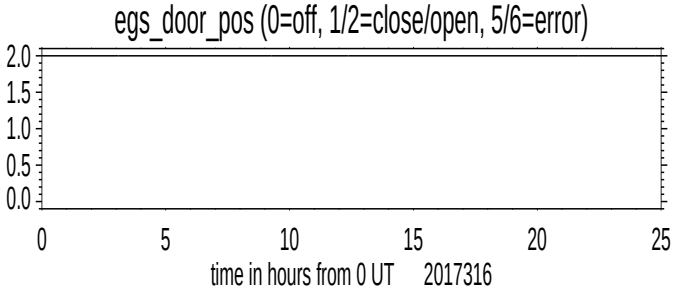

sspp_sas_y (V)
10
5
0
-5
-10
0
5
10
15
20
25
time in hours from 0 UT 2017316

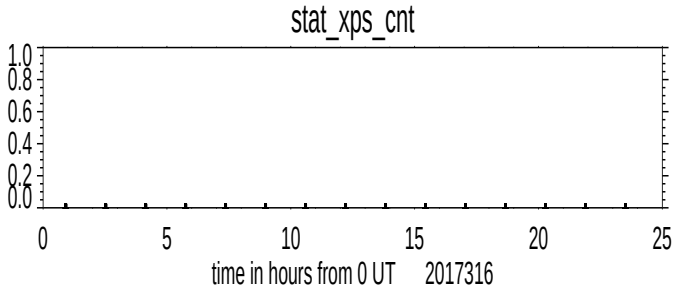

egs_sas_sum (V)
2.5
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316

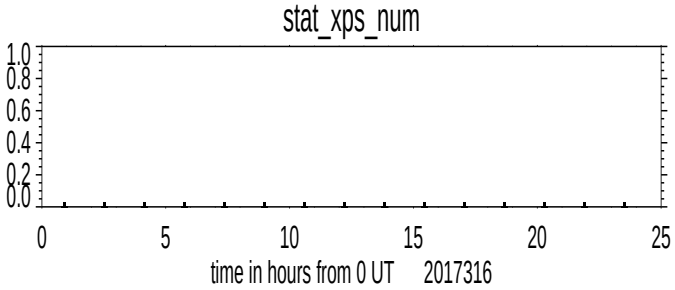

sspp_sas_sum (V)
2.5
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316

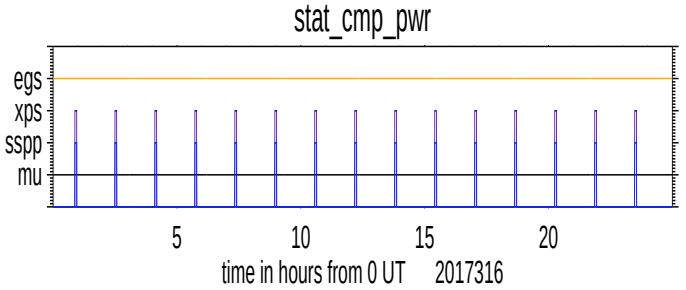

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316


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 2017316

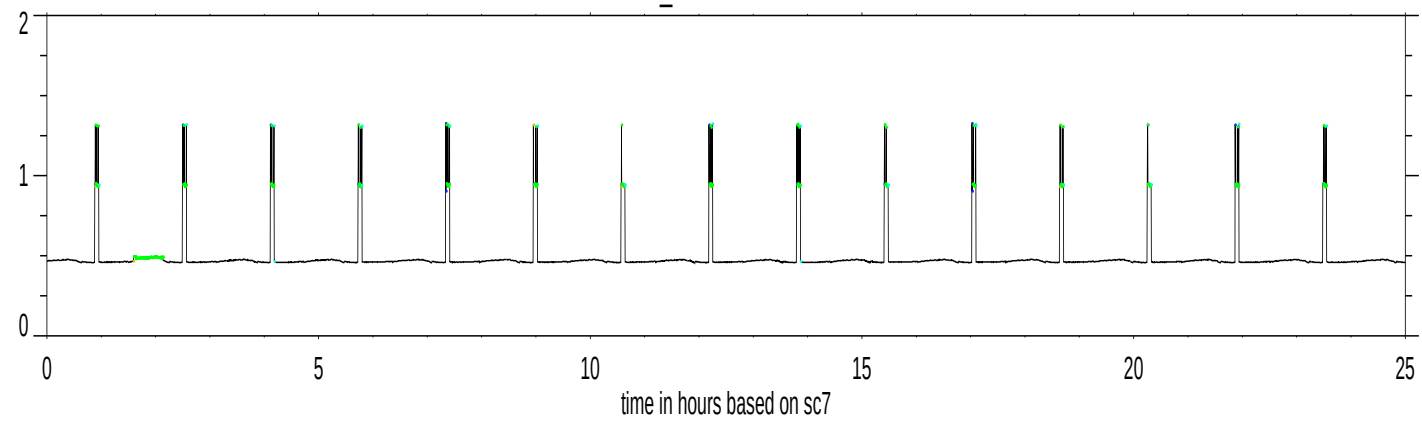

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316


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 2017316

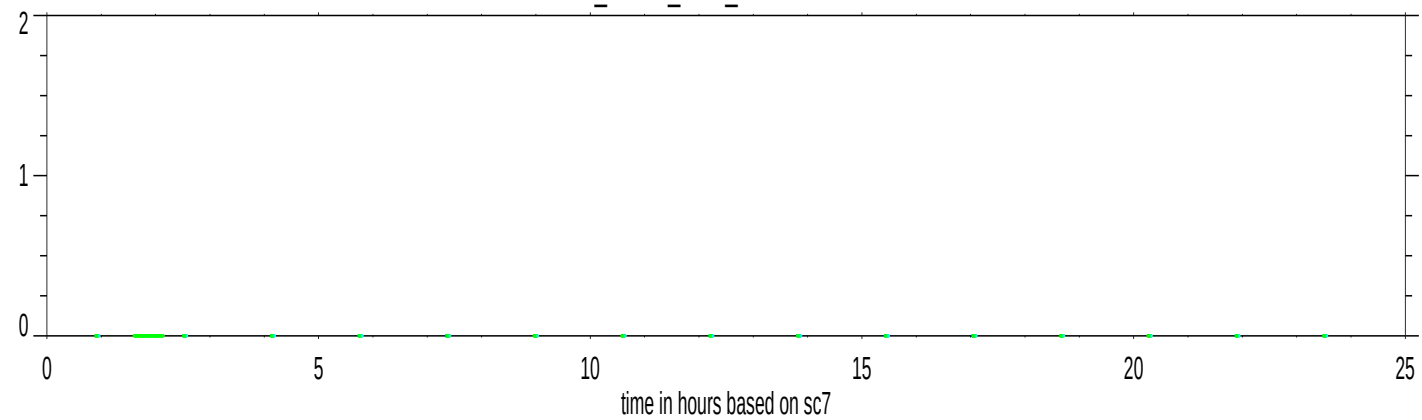

stat_xps_num
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017316


stat_cmp_pwr
egs
xps
sspp
mu
5
10
15
20
time in hours from 0 UT 2017316

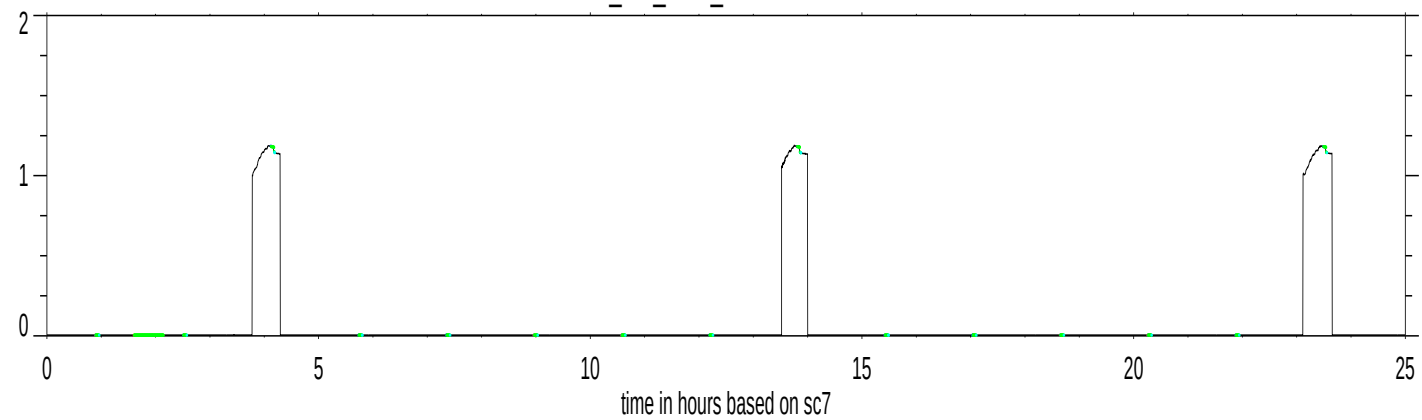
SEE_CUR 2017316



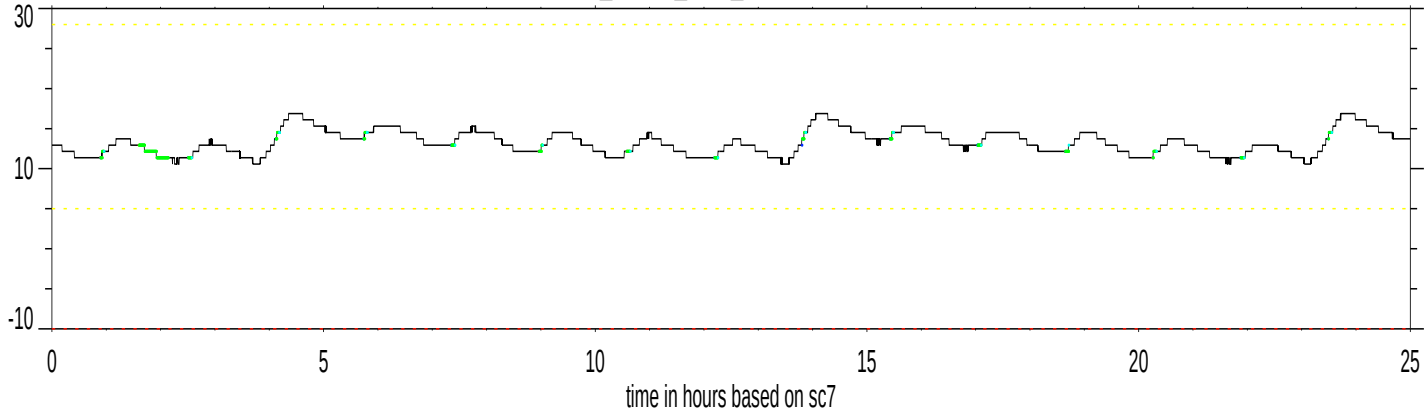
SEE_SURV_HTR_CUR 2017316

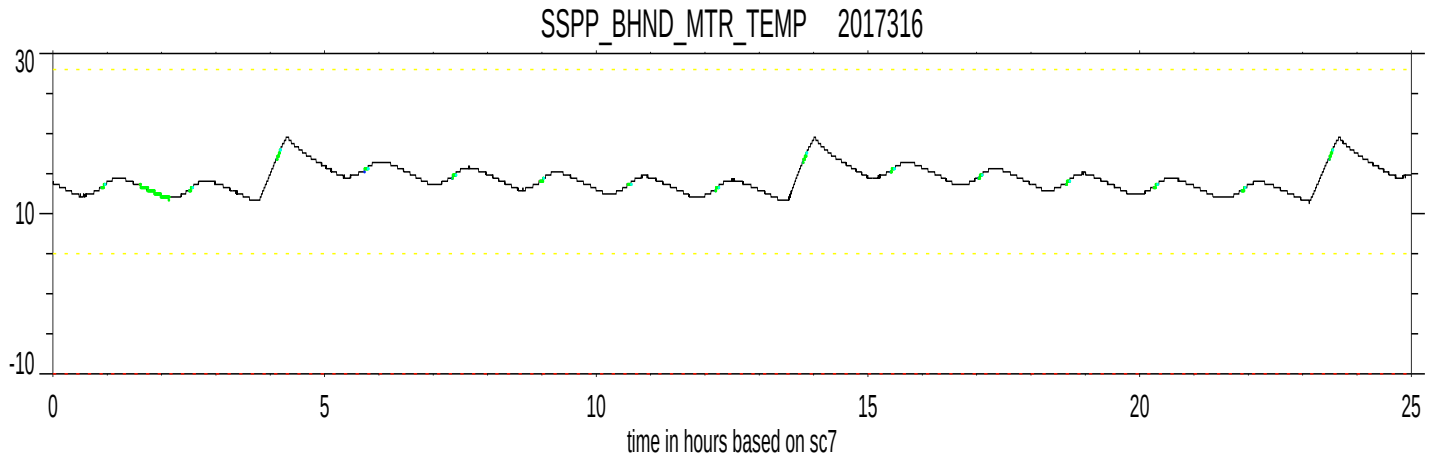


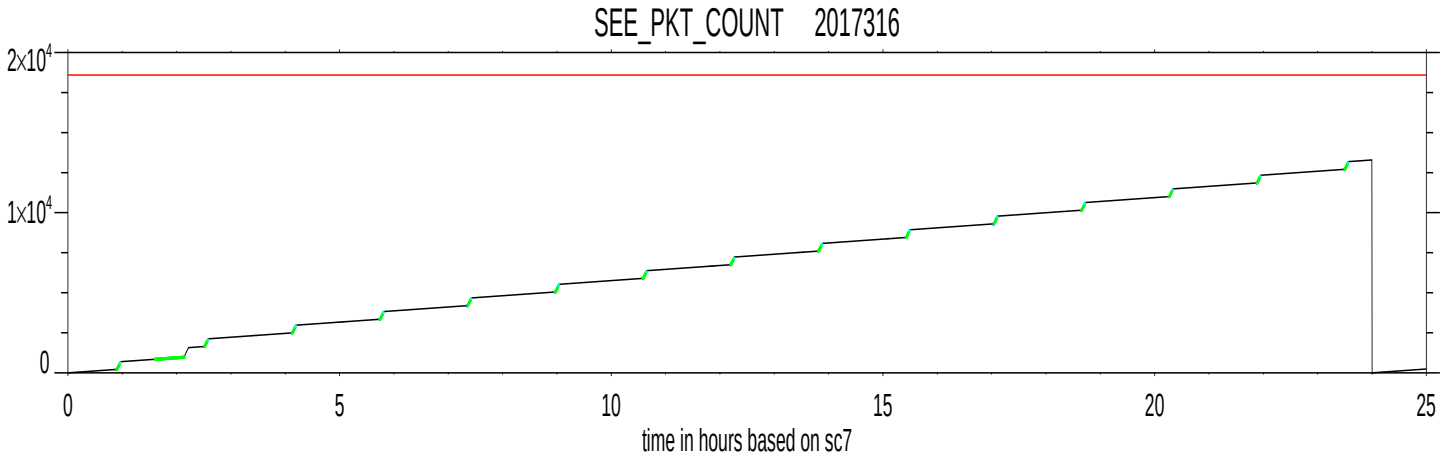
SEE_OP_HTR_CUR 2017316

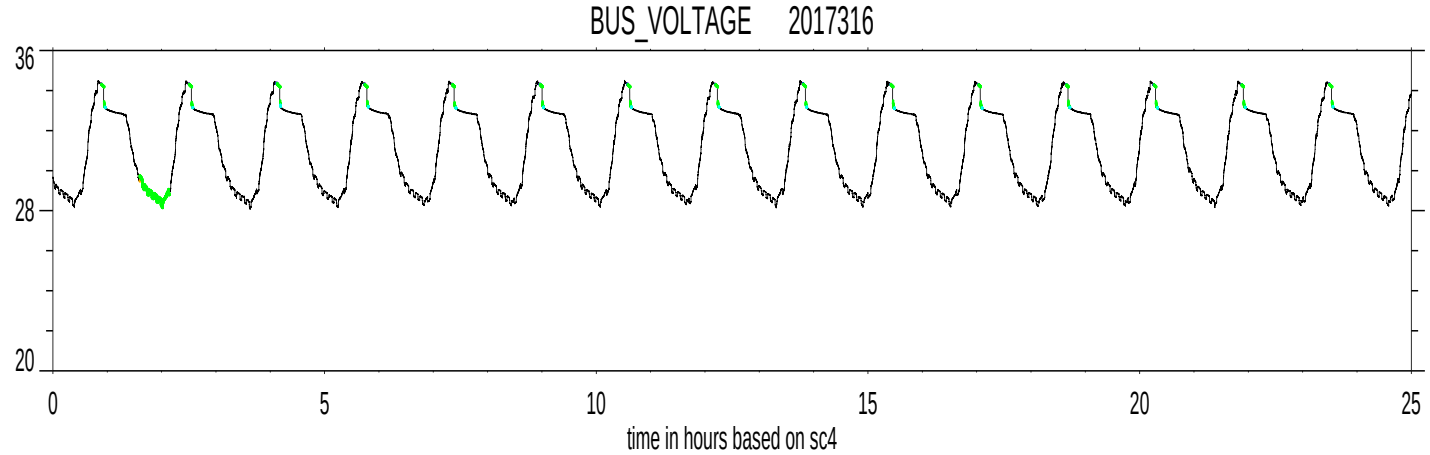


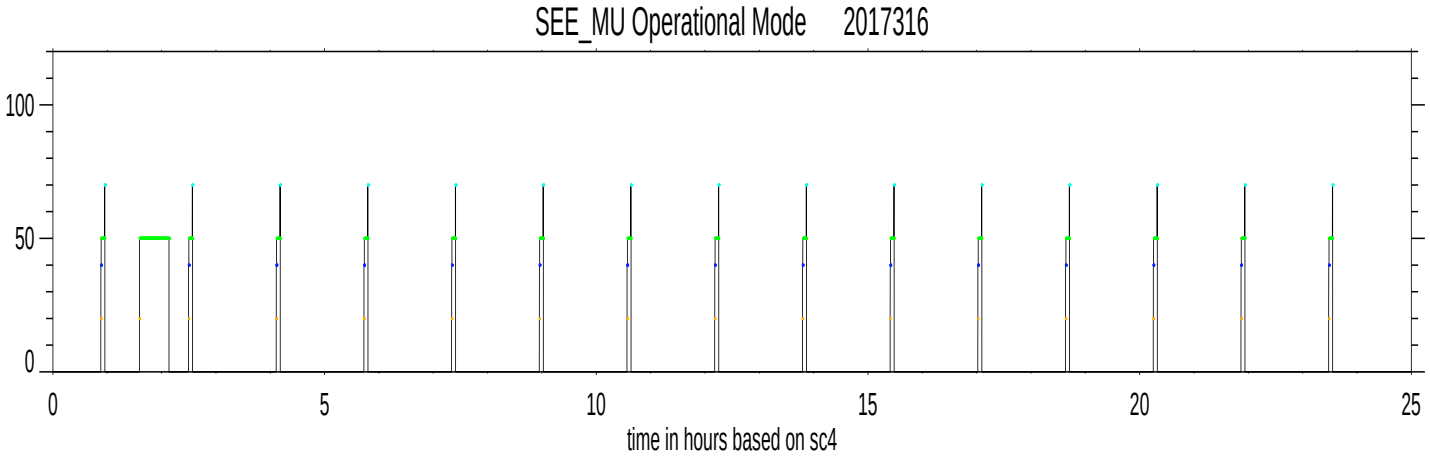
SSPP_BHND_XPS_TEMP 2017316

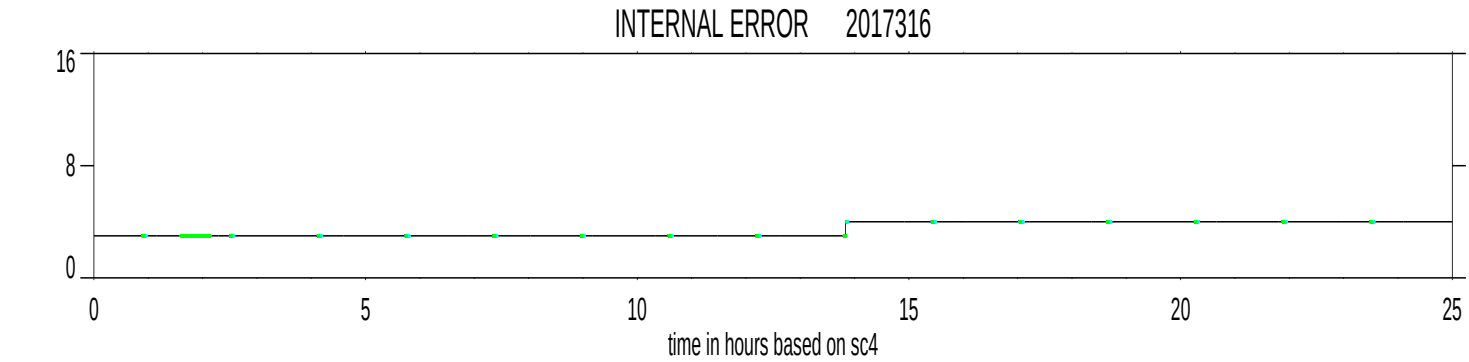


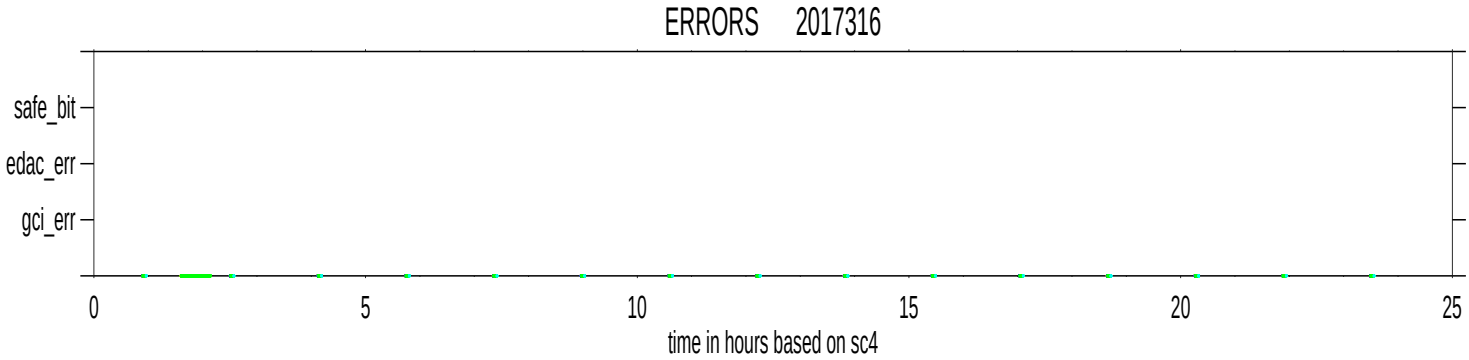

SSPP_BHND_MTR_TEMP 2017316
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

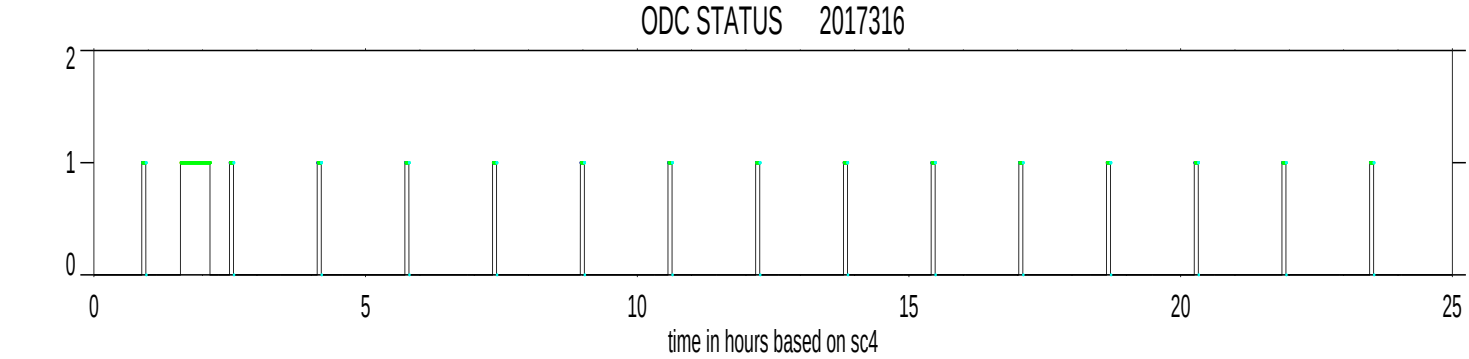

SEE_PKT_COUNT 2017316
2x10^4
1x10^4
0
0
5
10
15
20
25
time in hours based on sc7

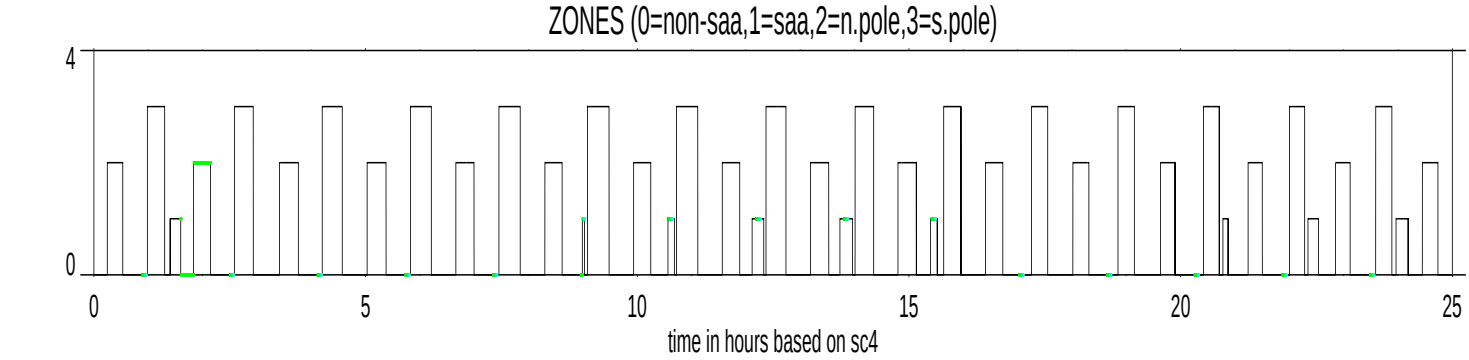

BUS_VOLTAGE 2017316
36
28
20
0
5
10
15
20
25
time in hours based on sc4

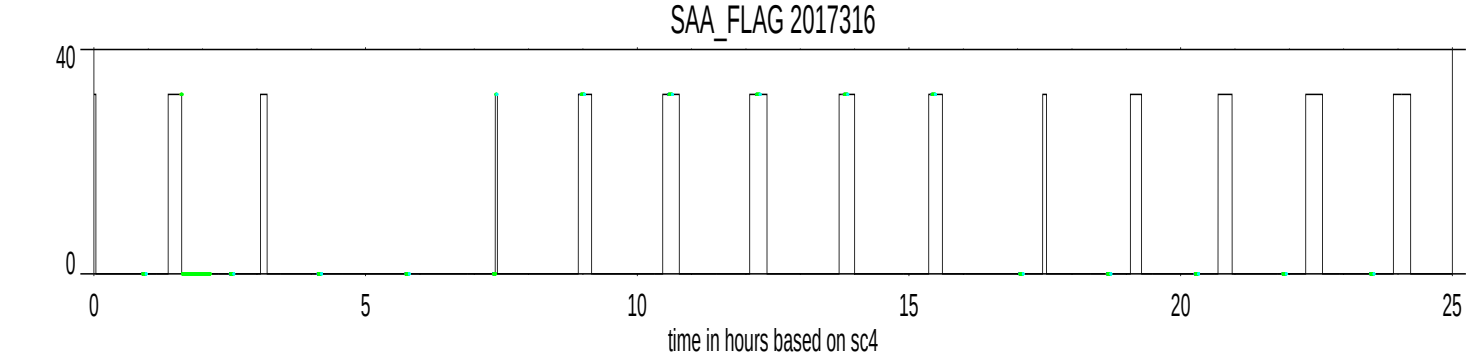

SEE_MU Operational Mode 2017316
100
50
0
0
5
10
15
20
25
time in hours based on sc4

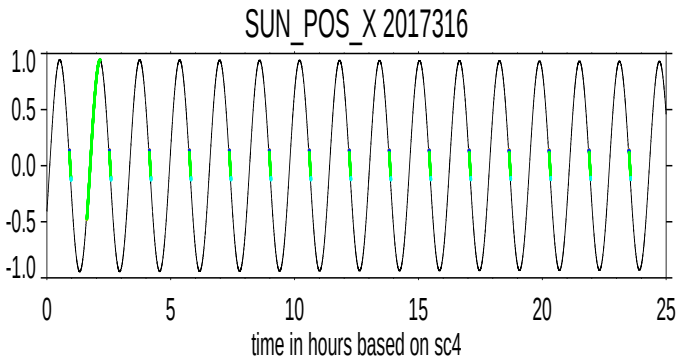

INTERNAL ERROR 2017316
16
8
0
0
5
10
15
20
25
time in hours based on sc4

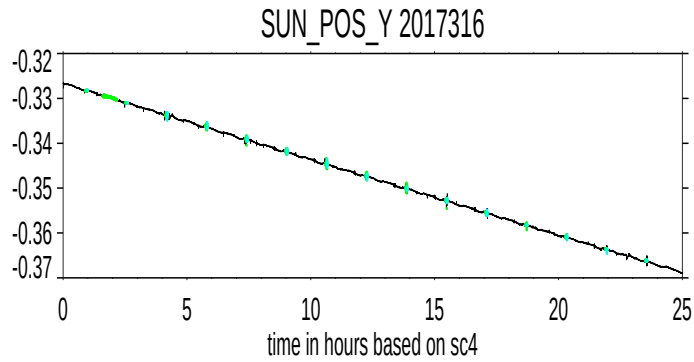

ERRORS 2017316
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

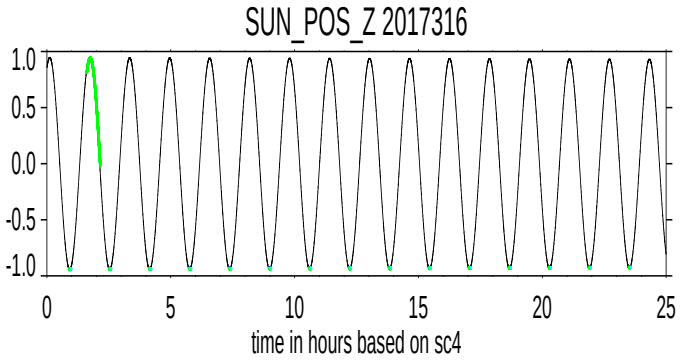

ODC STATUS 2017316
2
1
0
0
5
10
15
20
25
time in hours based on sc4

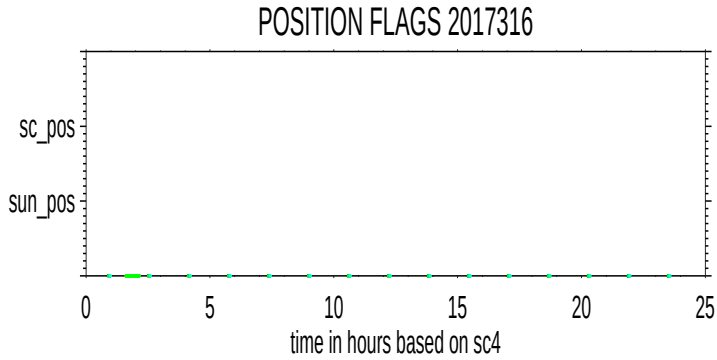

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

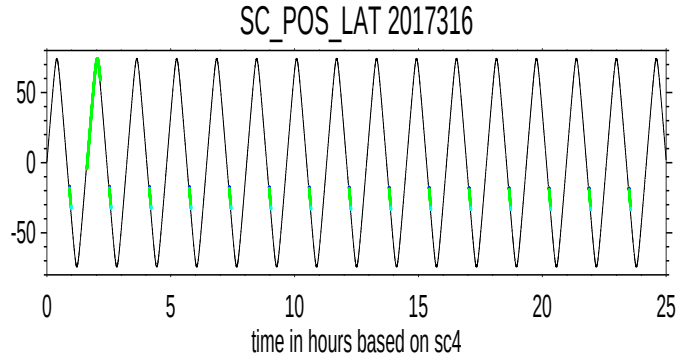

SAA_FLAG 2017316
40
0
0
5
10
15
20
25
time in hours based on sc4

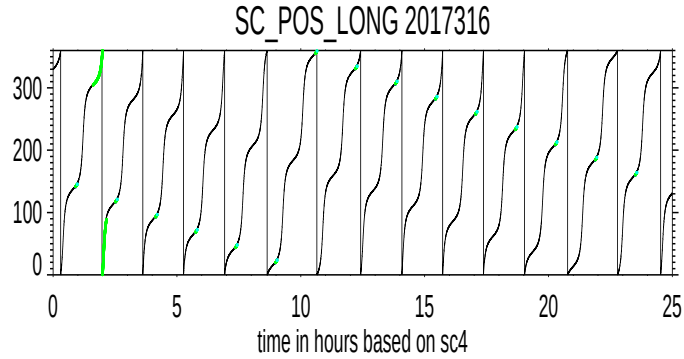

SUN_POS_X 2017316
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

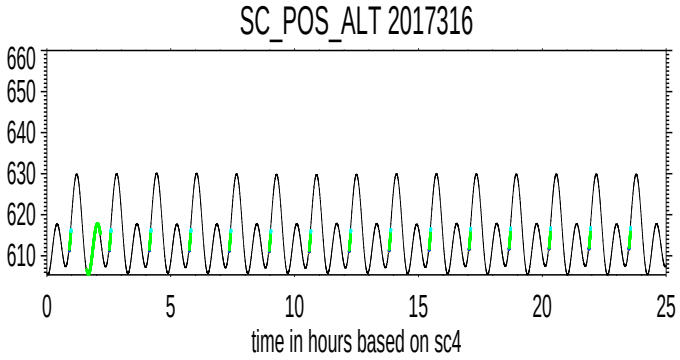

SUN_POS_Y 2017316
-0.32
-0.33
-0.34
-0.35
-0.36
-0.37
0
5
10
15
20
25
time in hours based on sc4

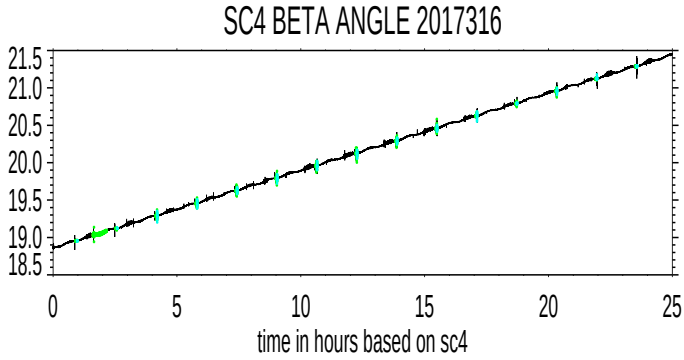

SUN_POS_Z 2017316
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2017316
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2017316
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2017316
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2017316
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2017316
21.5
21.0
20.5
20.0
19.5
19.0
18.5
0
5
10
15
20
25
time in hours based on sc4