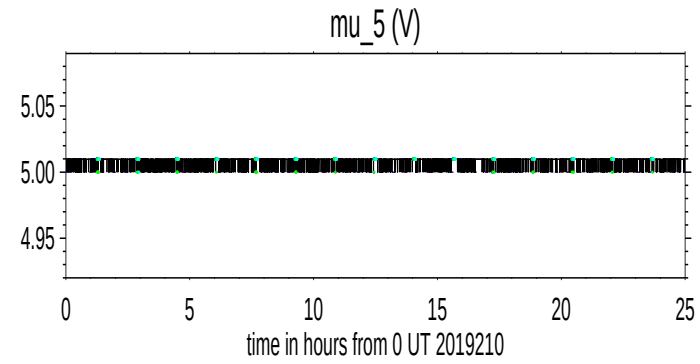
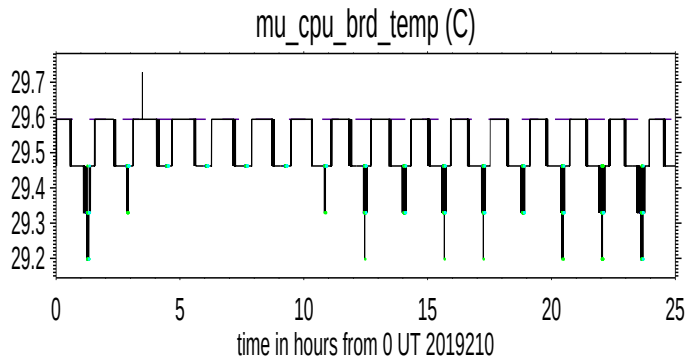
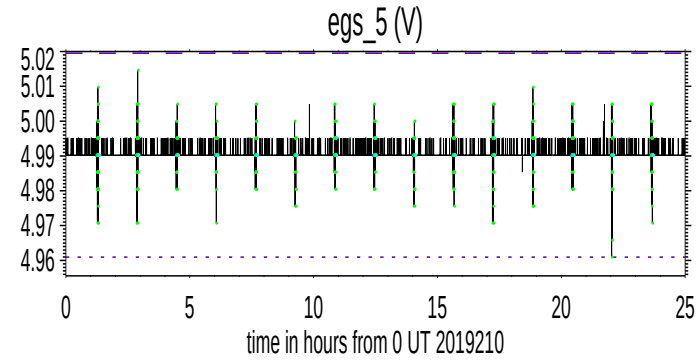
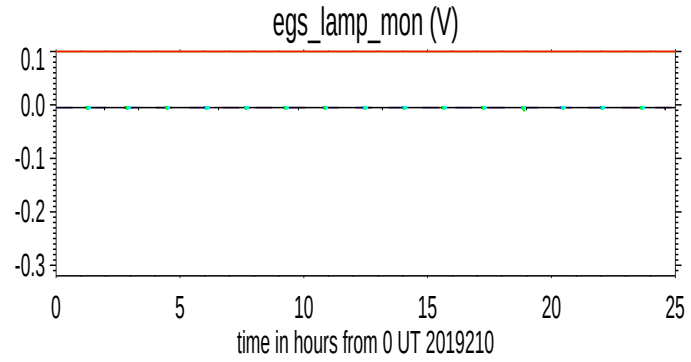
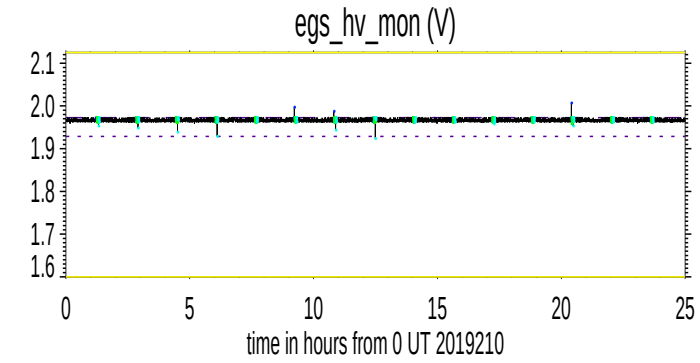
```
Information for      2019210
08:12:45.001: see_stat[1]: 3 internal error
```

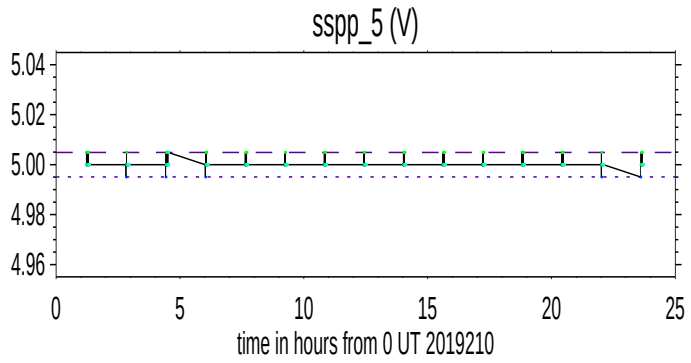

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2019210

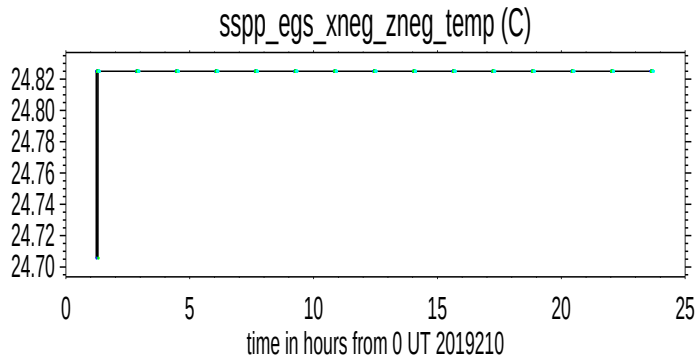

mu_cpu_brd_temp (C)
29.7
29.6
29.5
29.4
29.3
29.2
0
5
10
15
20
25
time in hours from 0 UT 2019210

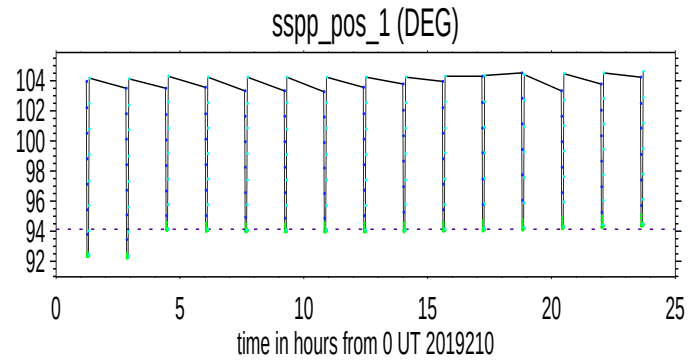

egs_5 (V)
5.02
5.01
5.00
4.99
4.98
4.97
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019210

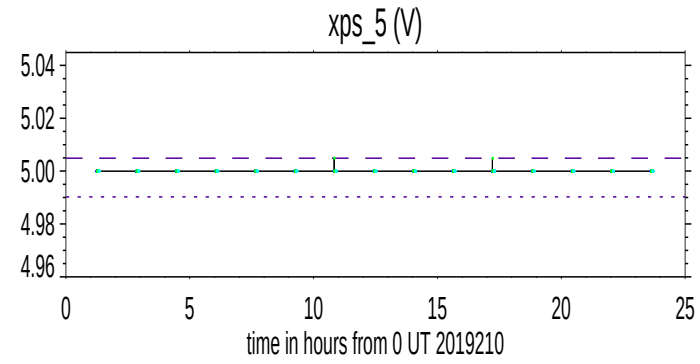

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2019210

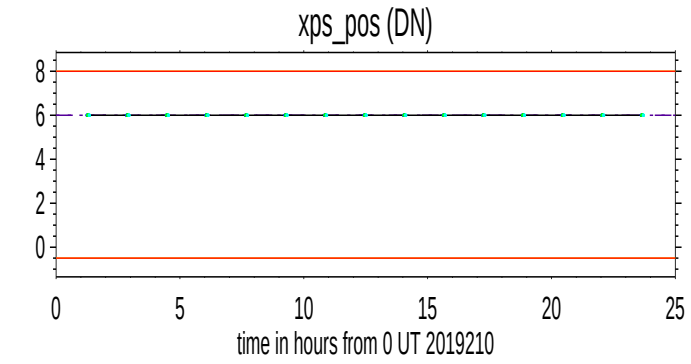

egs_hv_mon (V)
2.1
2.0
1.9
1.8
1.7
1.6
0
5
10
15
20
25
time in hours from 0 UT 2019210

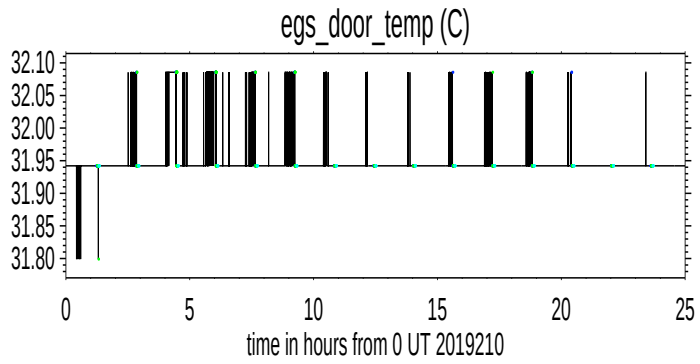

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019210

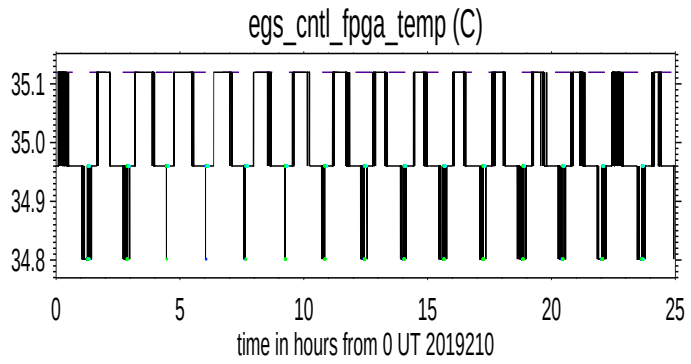

sspp_egs_xneg_zneg_temp (C)
24.82
24.80
24.78
24.76
24.74
24.72
24.70
0
5
10
15
20
25
time in hours from 0 UT 2019210

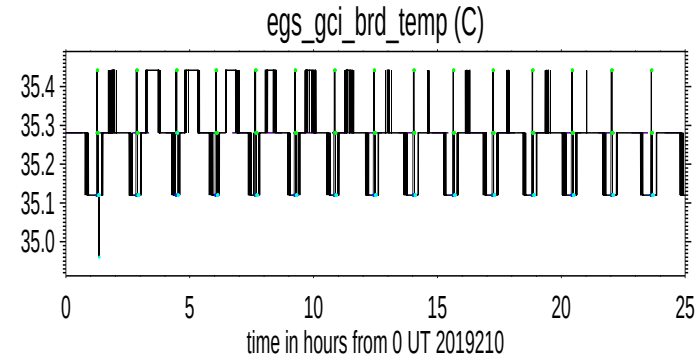

sspp_pos_1 (DEG)
104
102
100
98
96
94
92
0
5
10
15
20
25
time in hours from 0 UT 2019210

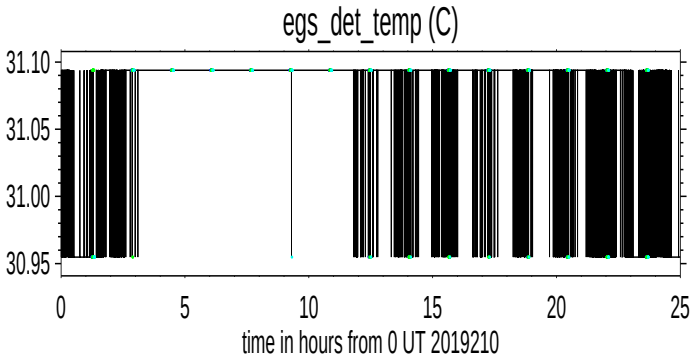

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019210

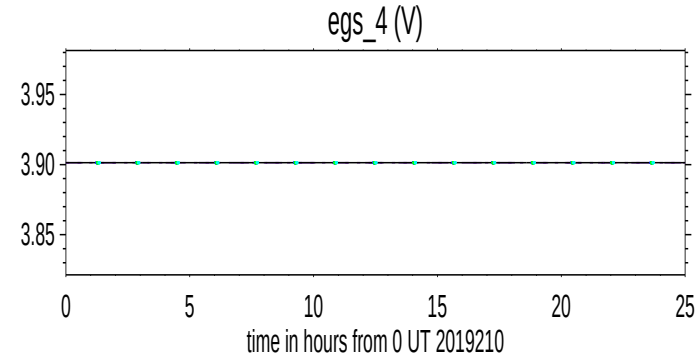

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2019210

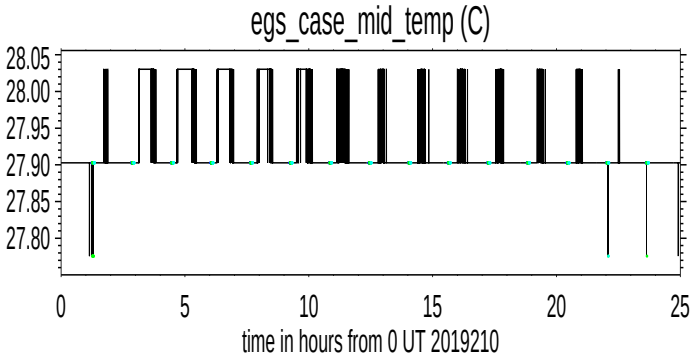

egs_door_temp (C)
32.10
32.05
32.00
31.95
31.90
31.85
31.80
0
5
10
15
20
25
time in hours from 0 UT 2019210

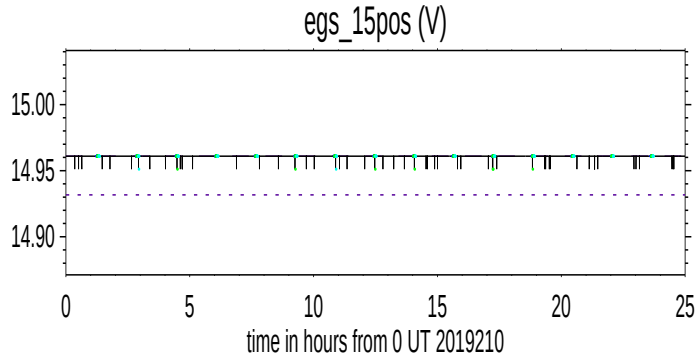

egs_cntl_fpga_temp (C)
35.1
35.0
34.9
34.8
0
5
10
15
20
25
time in hours from 0 UT 2019210

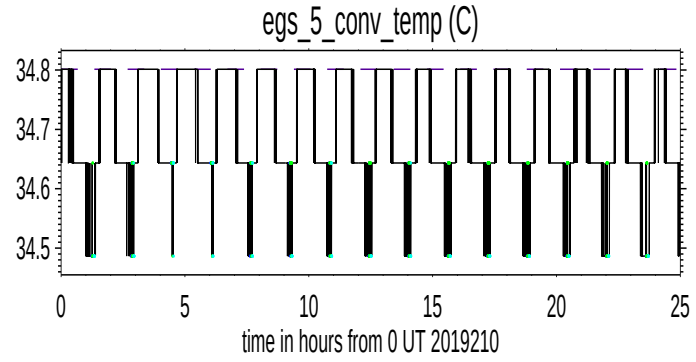

egs_gci_brd_temp (C)
35.4
35.3
35.2
35.1
35.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

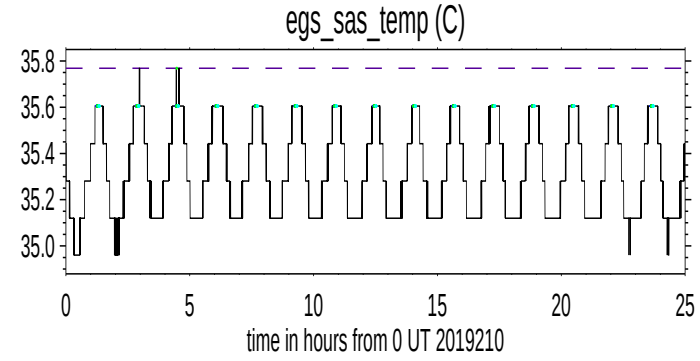

egs_det_temp (C)
31.10
31.05
31.00
30.95
0
5
10
15
20
25
time in hours from 0 UT 2019210

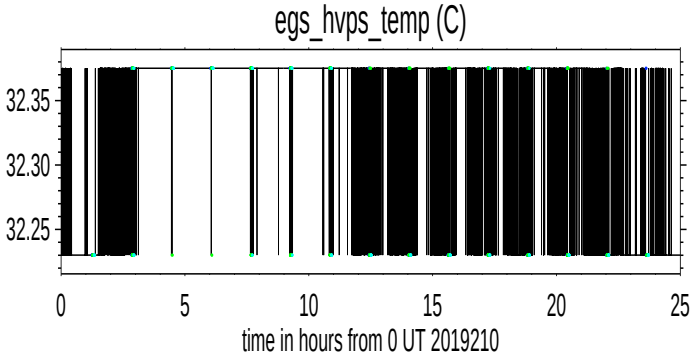

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019210

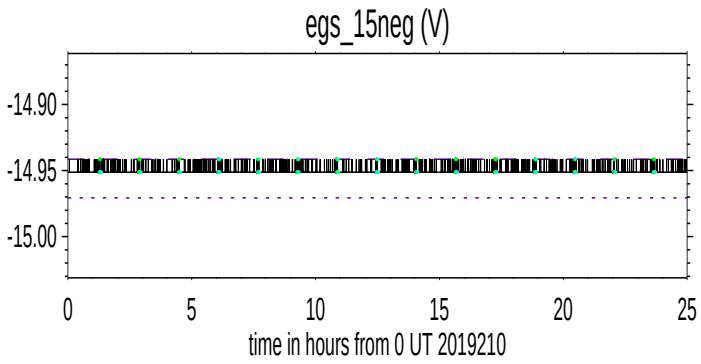

egs_case_mid_temp (C)
28.05
28.00
27.95
27.90
27.85
27.80
0
5
10
15
20
25
time in hours from 0 UT 2019210

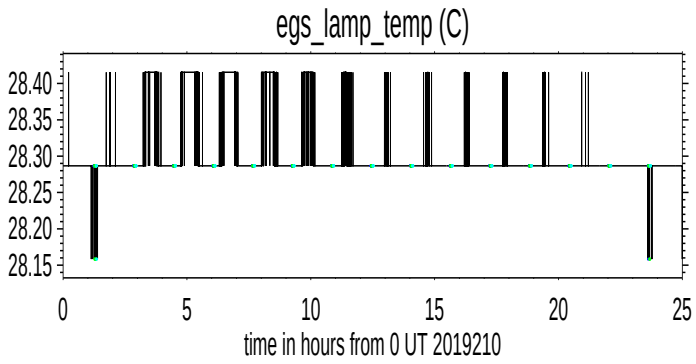

egs_15pos (V)
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2019210

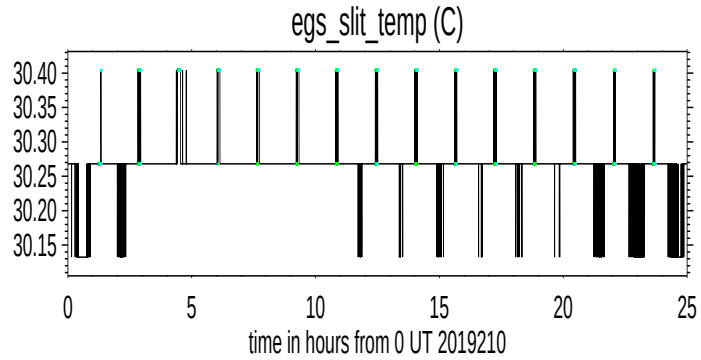

egs_5_conv_temp (C)
34.8
34.7
34.6
34.5
0
5
10
15
20
25
time in hours from 0 UT 2019210

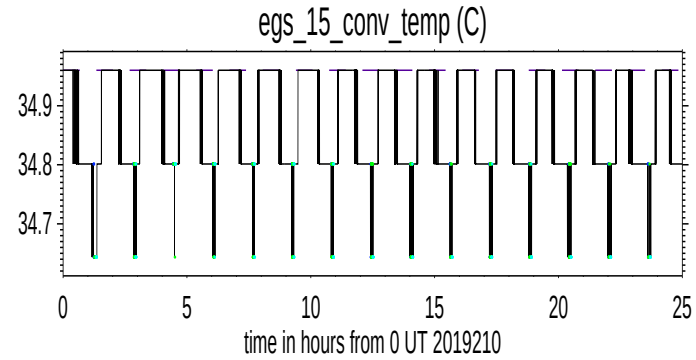

egs_sas_temp (C)
35.8
35.6
35.4
35.2
35.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

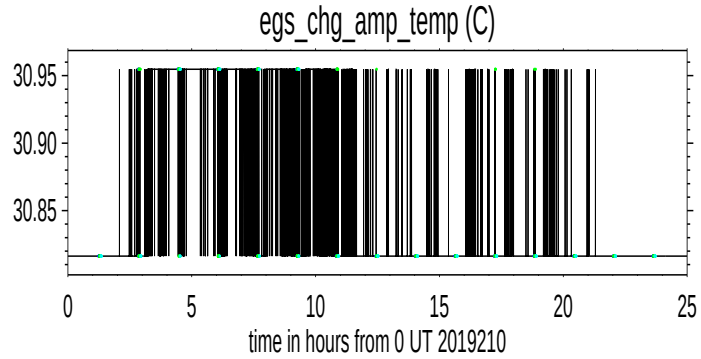

egs_hvps_temp (C)
32.35
32.30
32.25
0
5
10
15
20
25
time in hours from 0 UT 2019210

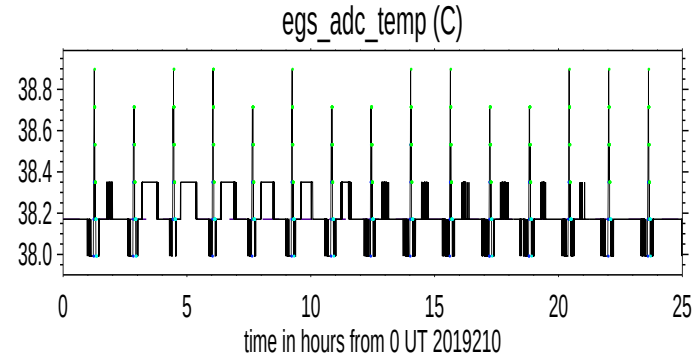

egs_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2019210

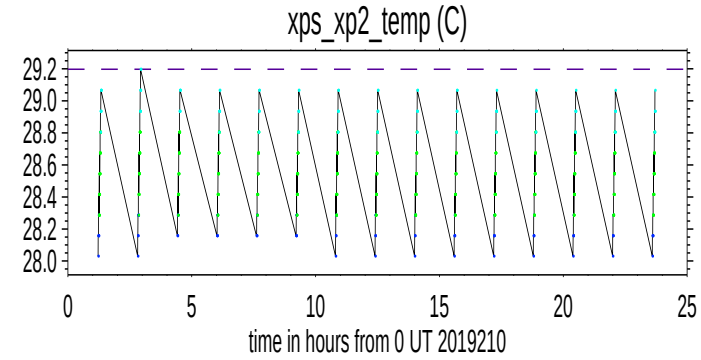

egs_lamp_temp (C)
28.40
28.35
28.30
28.25
28.20
28.15
0
5
10
15
20
25
time in hours from 0 UT 2019210

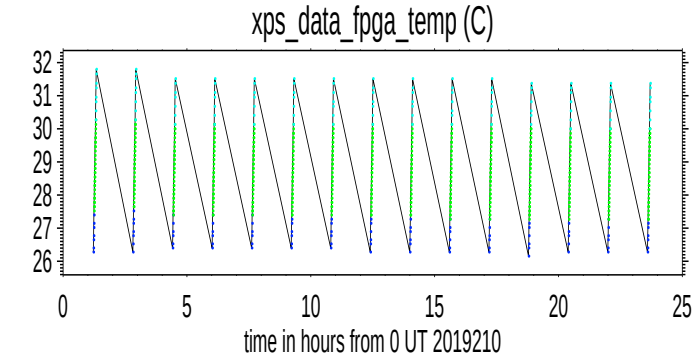

egs_slit_temp (C)
30.40
30.35
30.30
30.25
30.20
30.15
0
5
10
15
20
25
time in hours from 0 UT 2019210

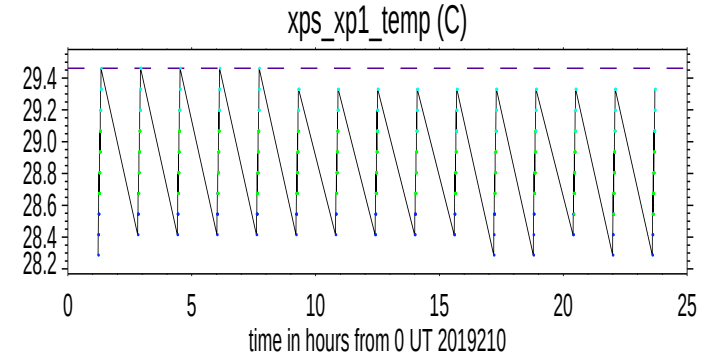

egs_15_conv_temp (C)
34.9
34.8
34.7
0
5
10
15
20
25
time in hours from 0 UT 2019210

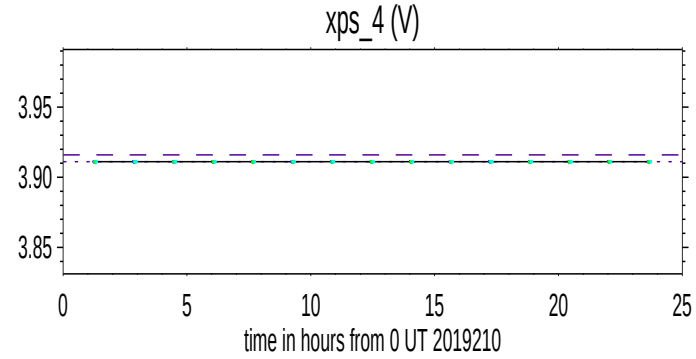

egs_chg_amp_temp (C)
30.95
30.90
30.85
0
5
10
15
20
25
time in hours from 0 UT 2019210

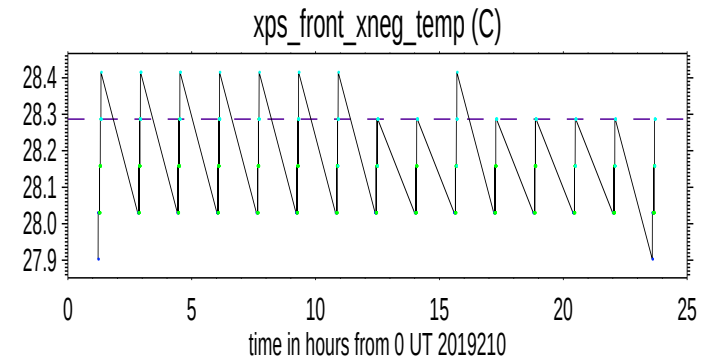

egs_adc_temp (C)
38.8
38.6
38.4
38.2
38.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

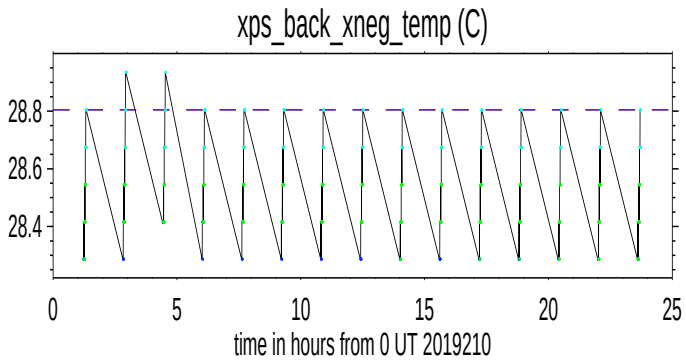

xps_xp2_temp (C)
29.2
29.0
28.8
28.6
28.4
28.2
28.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

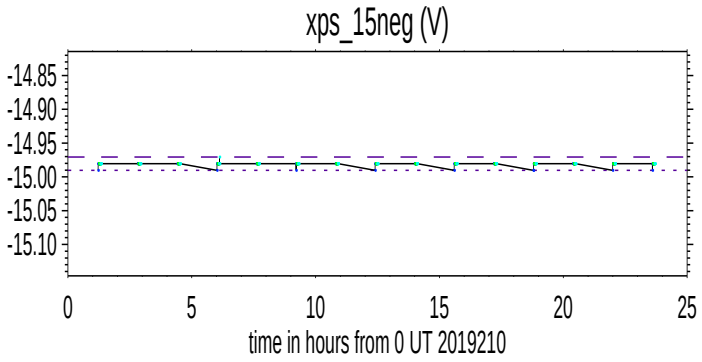

xps_data_fpga_temp (C)
32
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

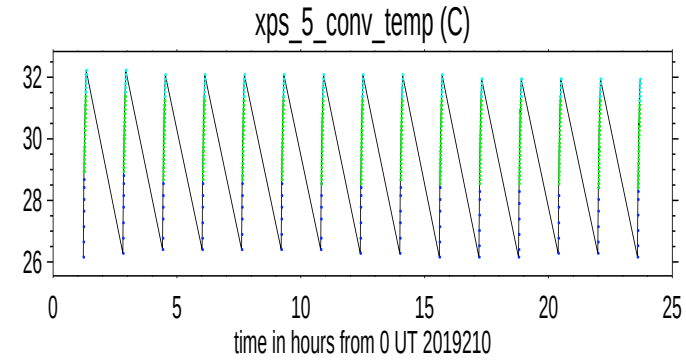

xps_xp1_temp (C)
29.4
29.2
29.0
28.8
28.6
28.4
28.2
0
5
10
15
20
25
time in hours from 0 UT 2019210

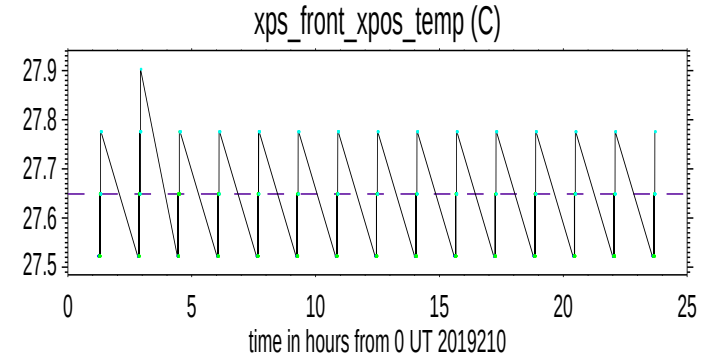

xps_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019210

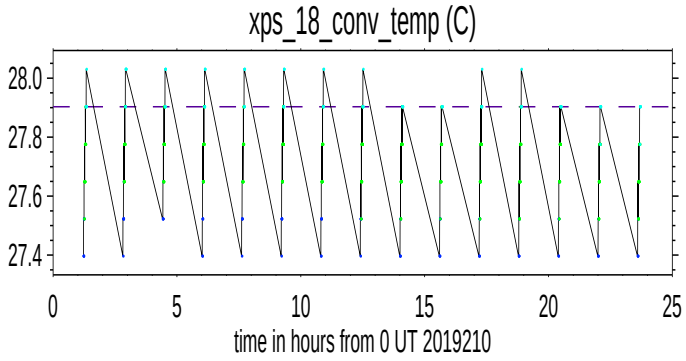

xps_front_xneg_temp (C)
28.4
28.3
28.2
28.1
28.0
27.9
0
5
10
15
20
25
time in hours from 0 UT 2019210

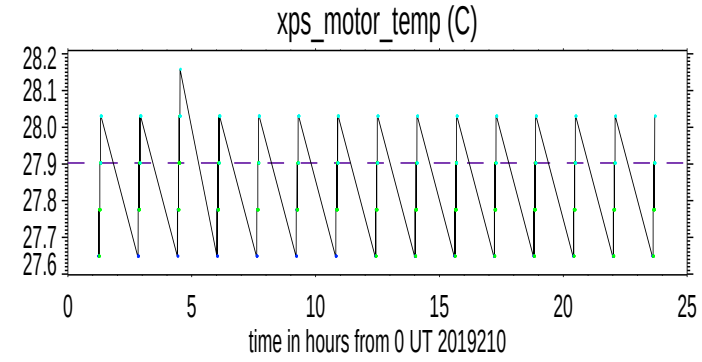

xps_back_xneg_temp (C)
28.8
28.6
28.4
0
5
10
15
20
25
time in hours from 0 UT 2019210

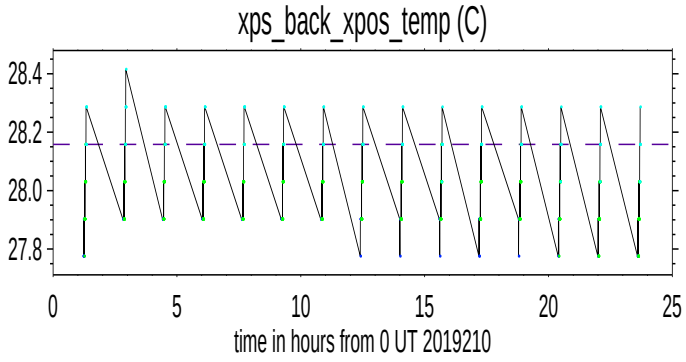

xps_15neg (V)
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2019210

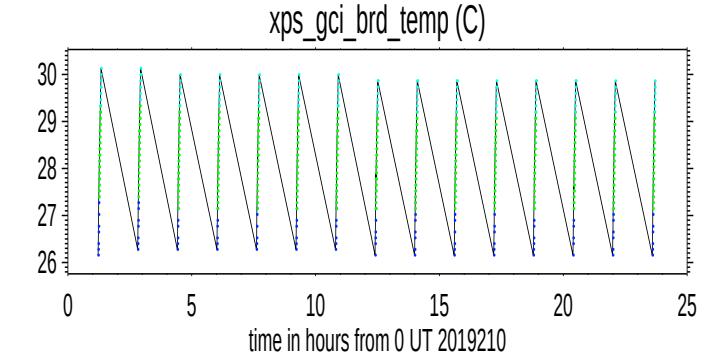

xps_5_conv_temp (C)
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

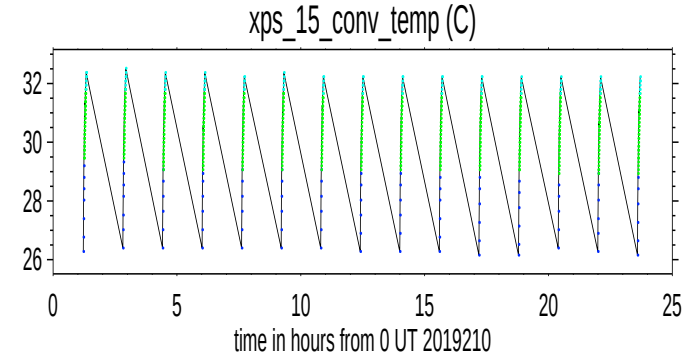

xps_front_xpos_temp (C)
27.9
27.8
27.7
27.6
27.5
0
5
10
15
20
25
time in hours from 0 UT 2019210

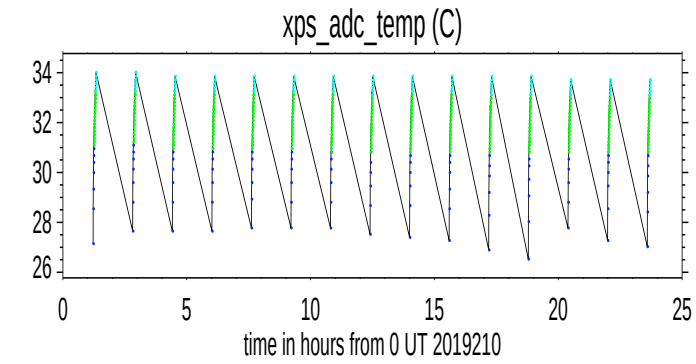

xps_18_conv_temp (C)
28.0
27.8
27.6
27.4
0
5
10
15
20
25
time in hours from 0 UT 2019210

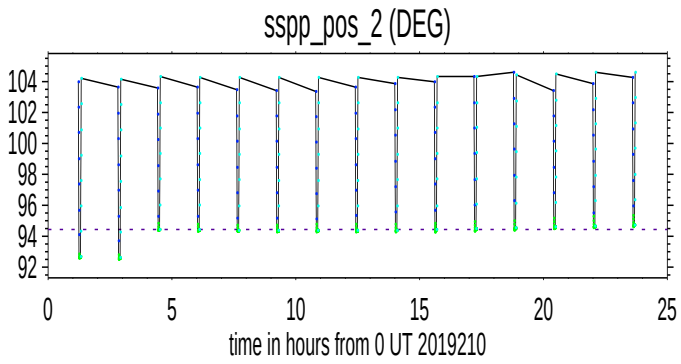

xps_motor_temp (C)
28.2
28.1
28.0
27.9
27.8
27.7
27.6
0
5
10
15
20
25
time in hours from 0 UT 2019210

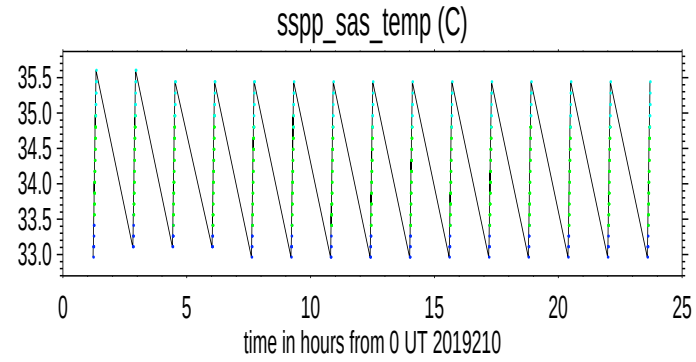

xps_back_xpos_temp (C)
28.4
28.2
28.0
27.8
0
5
10
15
20
25
time in hours from 0 UT 2019210

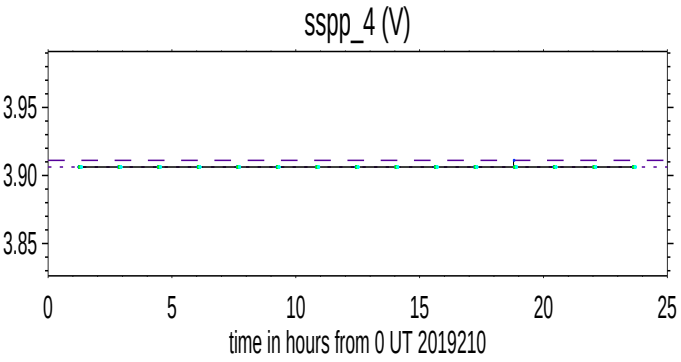

xps_gci_brd_temp (C)
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

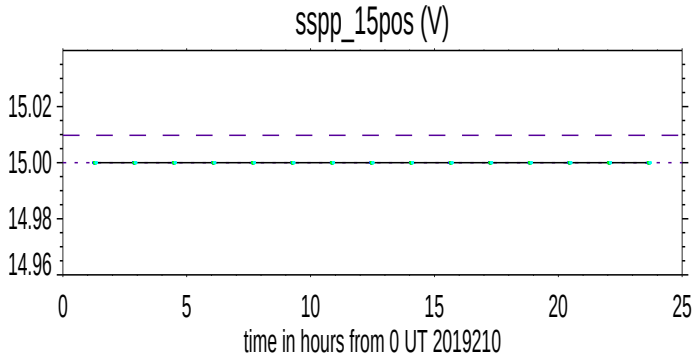

xps_15_conv_temp (C)
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

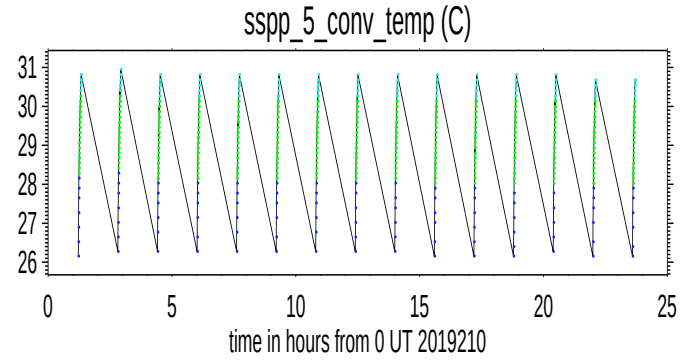

xps_adc_temp (C)
34
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

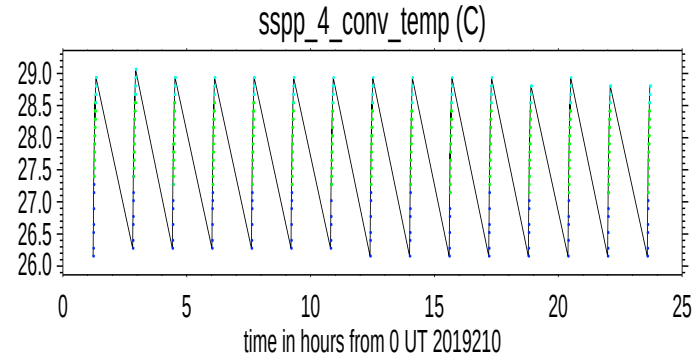

sspp_pos_2 (DEG)
104
102
100
98
96
94
92
0
5
10
15
20
25
time in hours from 0 UT 2019210

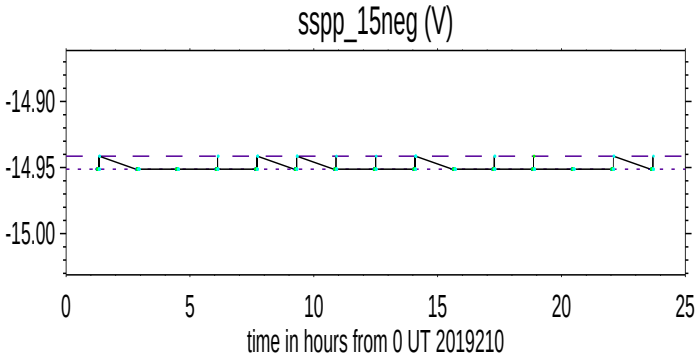

sspp_sas_temp (C)
35.5
35.0
34.5
34.0
33.5
33.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

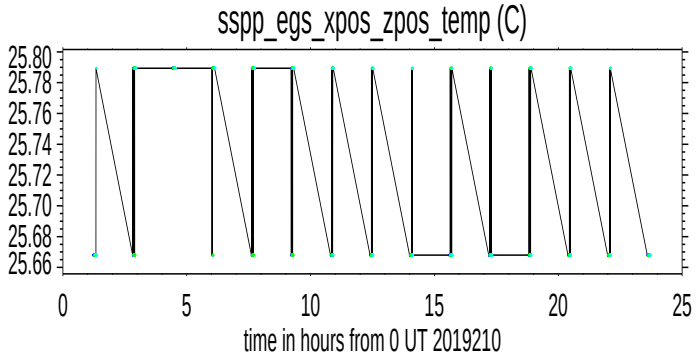

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019210

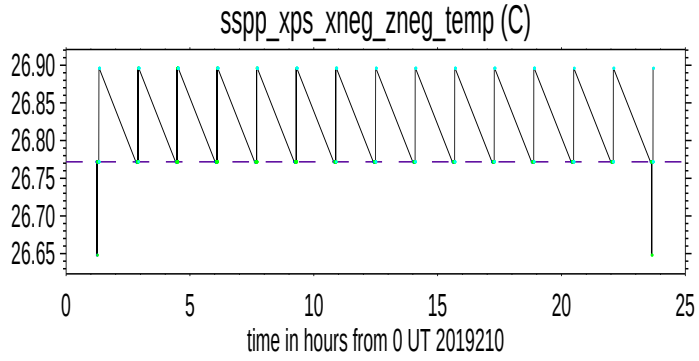

sspp_15pos (V)
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2019210

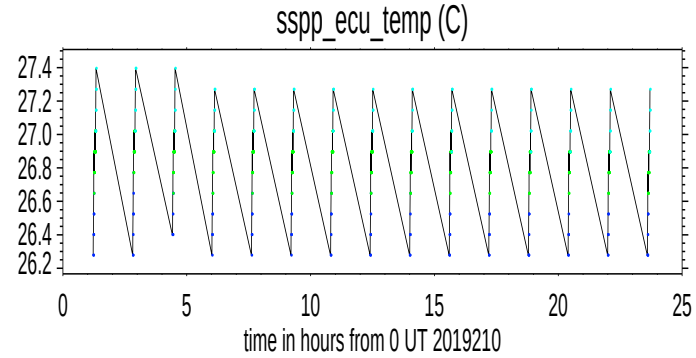

sspp_5_conv_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

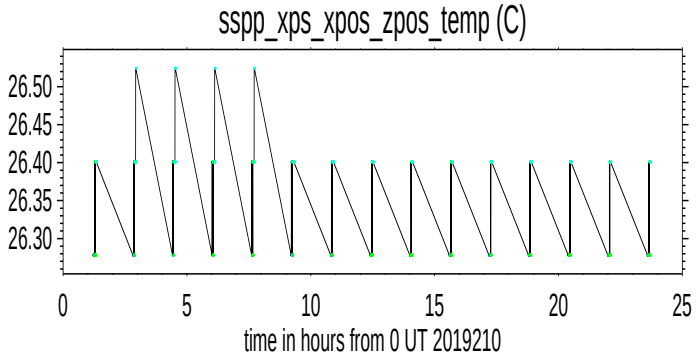

sspp_4_conv_temp (C)
29.0
28.5
28.0
27.5
27.0
26.5
26.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

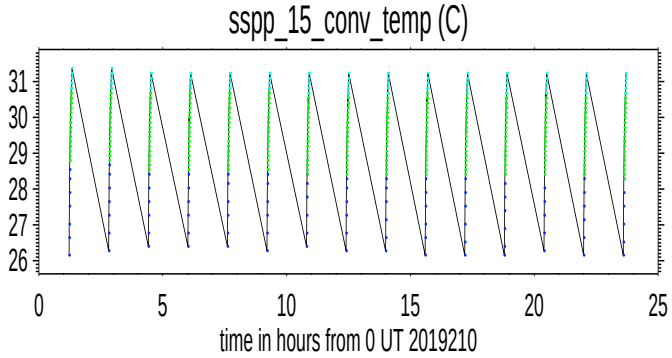

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2019210

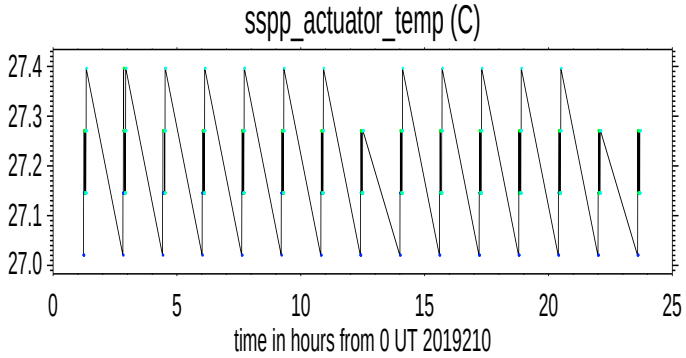

sspp_egs_xpos_zpos_temp (C)
25.80
25.78
25.76
25.74
25.72
25.70
25.68
25.66
0
5
10
15
20
25
time in hours from 0 UT 2019210

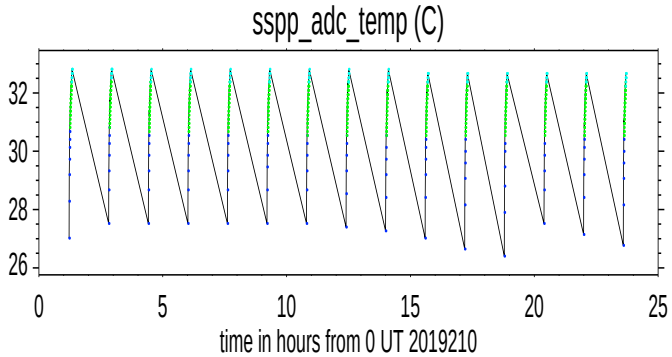

sspp_xps_xneg_zneg_temp (C)
26.90
26.85
26.80
26.75
26.70
26.65
0
5
10
15
20
25
time in hours from 0 UT 2019210

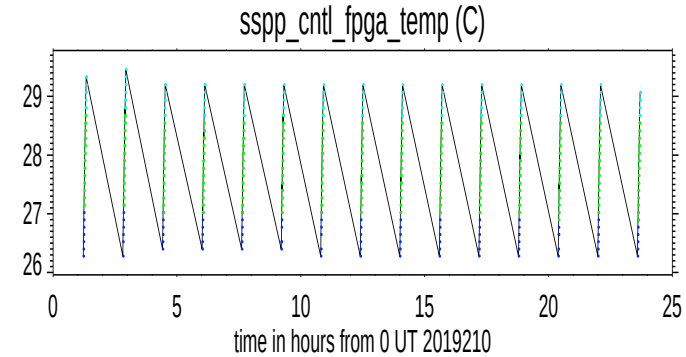

sspp_ecu_temp (C)
27.4
27.2
27.0
26.8
26.6
26.4
26.2
0
5
10
15
20
25
time in hours from 0 UT 2019210

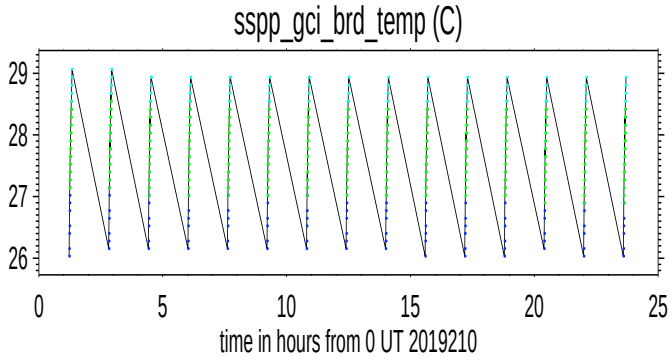

sspp_xps_xpos_zpos_temp (C)
26.50
26.45
26.40
26.35
26.30
0
5
10
15
20
25
time in hours from 0 UT 2019210

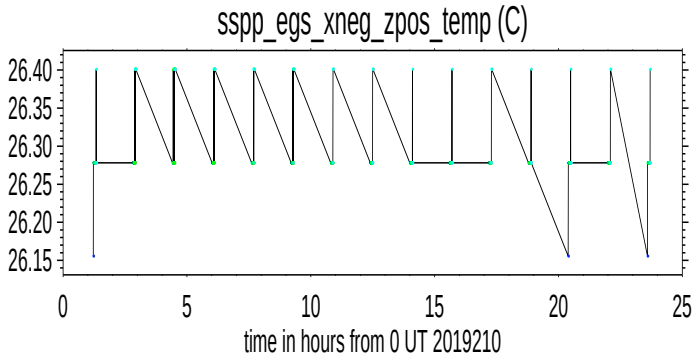

sspp_15_conv_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

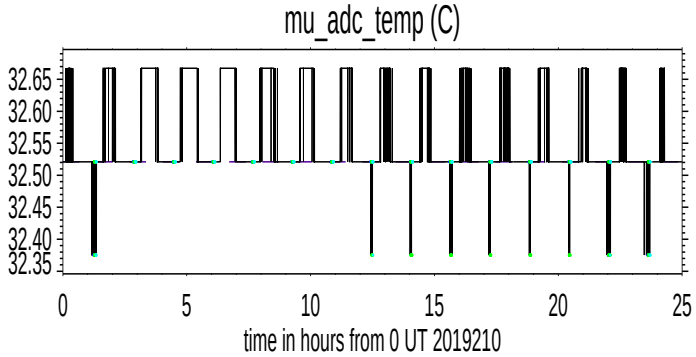

sspp_actuator_temp (C)
27.4
27.3
27.2
27.1
27.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

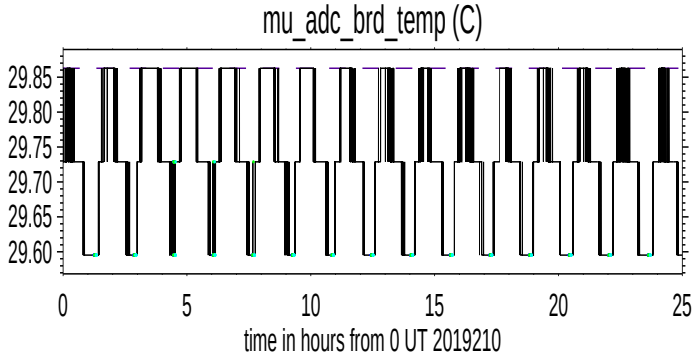

sspp_adc_temp (C)
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

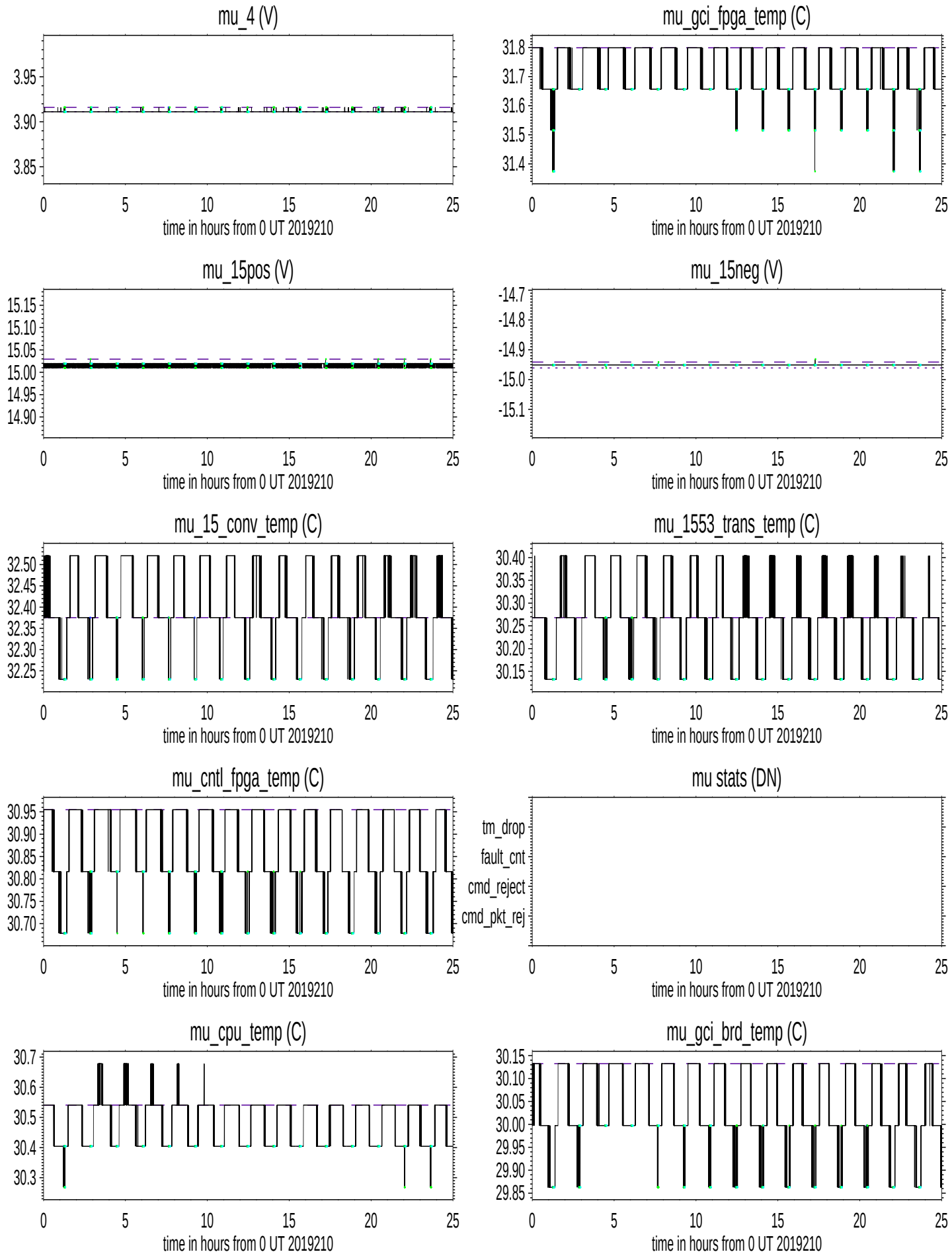

sspp_cntl_fpga_temp (C)
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

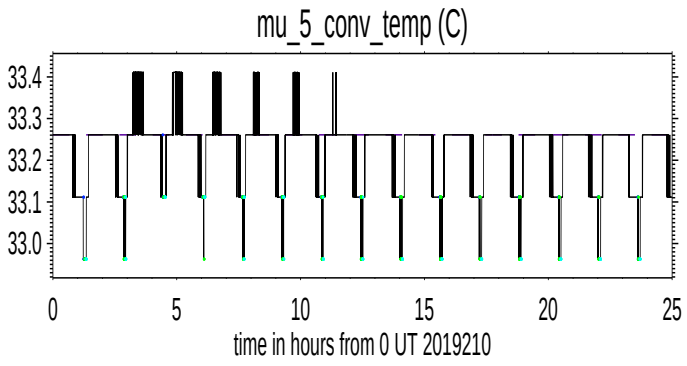

sspp_gci_brd_temp (C)
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019210

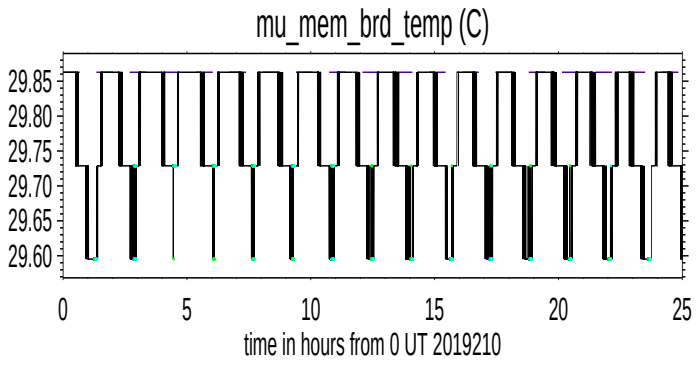

sspp_egs_xneg_zpos_temp (C)
26.40
26.35
26.30
26.25
26.20
26.15
0
5
10
15
20
25
time in hours from 0 UT 2019210

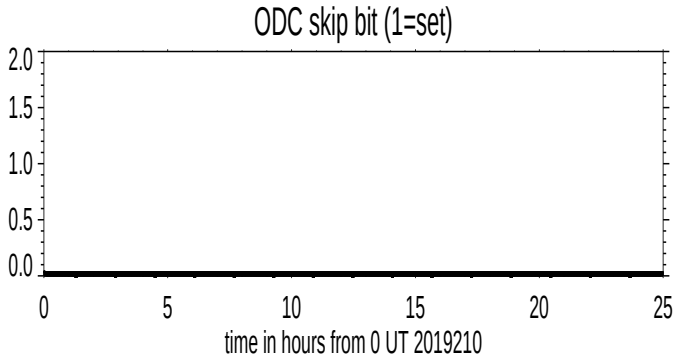

mu_adc_temp (C)
32.65
32.60
32.55
32.50
32.45
32.40
32.35
0
5
10
15
20
25
time in hours from 0 UT 2019210

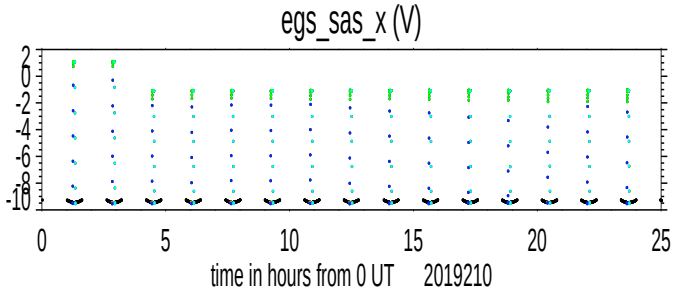

mu_adc_brd_temp (C)
29.85
29.80
29.75
29.70
29.65
29.60
0
5
10
15
20
25
time in hours from 0 UT 2019210

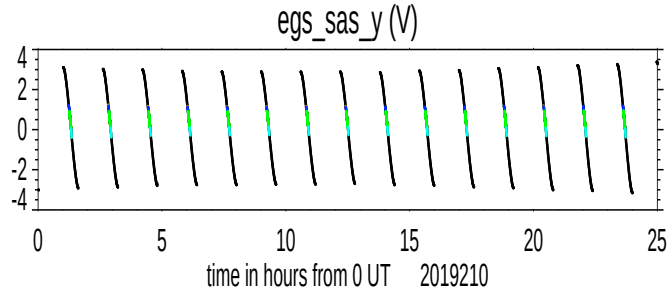

mu_4 (V)
3.95
3.90
3.85
mu_gci_fpga_temp (C)
31.8
31.7
31.6
31.5
31.4
mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
mu_15neg (V)
-14.7
-14.8
-14.9
-15.0
-15.1
mu_15_conv_temp (C)
32.50
32.45
32.40
32.35
32.30
32.25
mu_1553_trans_temp (C)
30.40
30.35
30.30
30.25
30.20
30.15
mu_cntl_fpga_temp (C)
30.95
30.90
30.85
30.80
30.75
30.70
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
mu_cpu_temp (C)
30.7
30.6
30.5
30.4
30.3
mu_gci_brd_temp (C)
30.15
30.10
30.05
30.00
29.95
29.90
29.85
0
5
10
15
20
25
time in hours from 0 UT 2019210

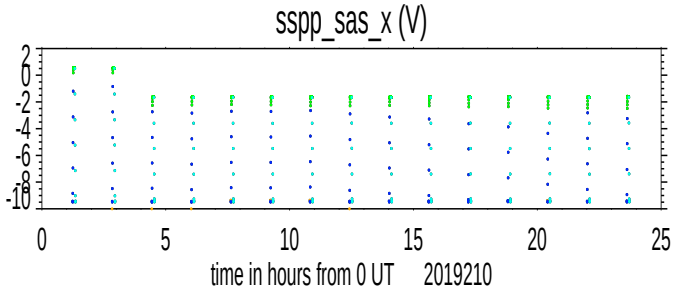

mu_5_conv_temp (C)
33.4
33.3
33.2
33.1
33.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

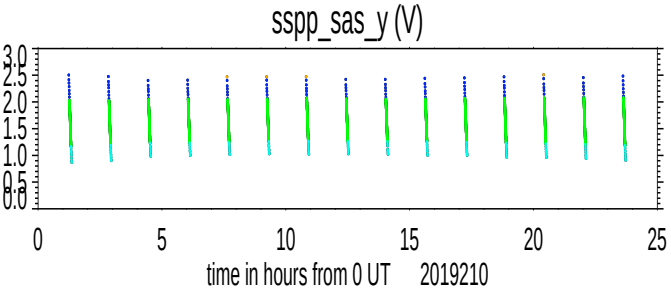

mu_mem_brd_temp (C)
29.85
29.80
29.75
29.70
29.65
29.60
0
5
10
15
20
25
time in hours from 0 UT 2019210

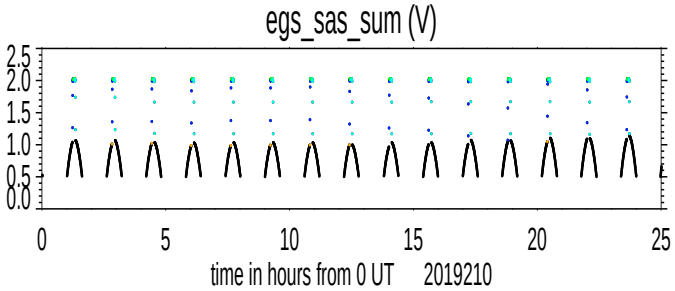

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2019210

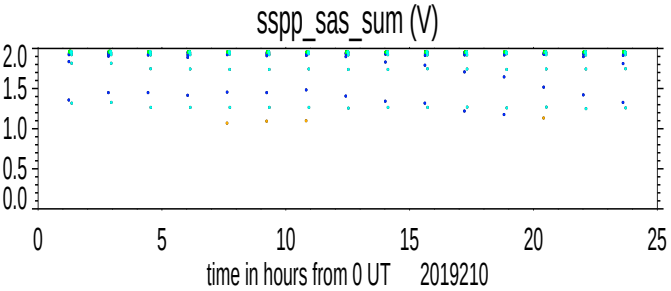

egs_sas_x (V)
time in hours from 0 UT 2019210

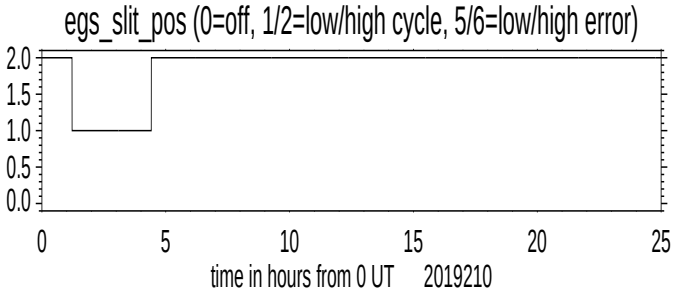

egs_sas_y (V)
time in hours from 0 UT 2019210

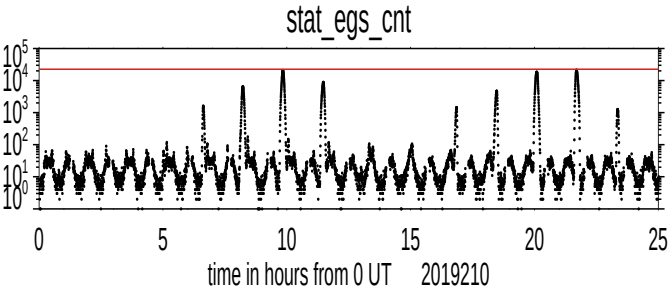

sspp_sas_x (V)
time in hours from 0 UT 2019210

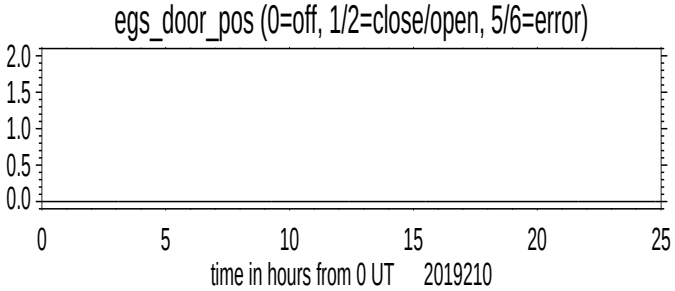

sspp_sas_y (V)
time in hours from 0 UT 2019210

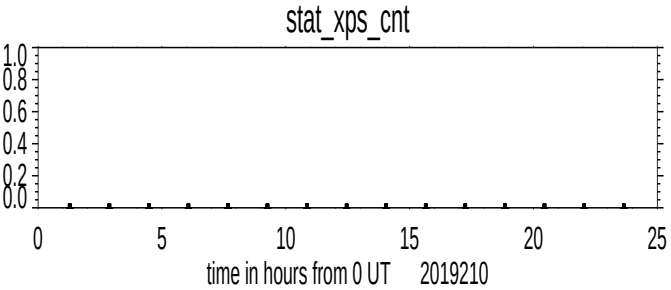

egs_sas_sum (V)
time in hours from 0 UT 2019210

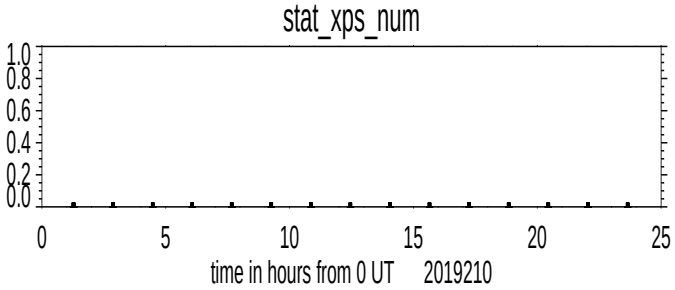

sspp_sas_sum (V)
time in hours from 0 UT 2019210

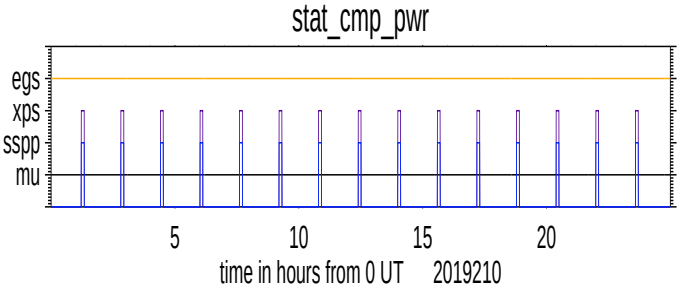

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2019210


stat_egs_cnt
time in hours from 0 UT 2019210

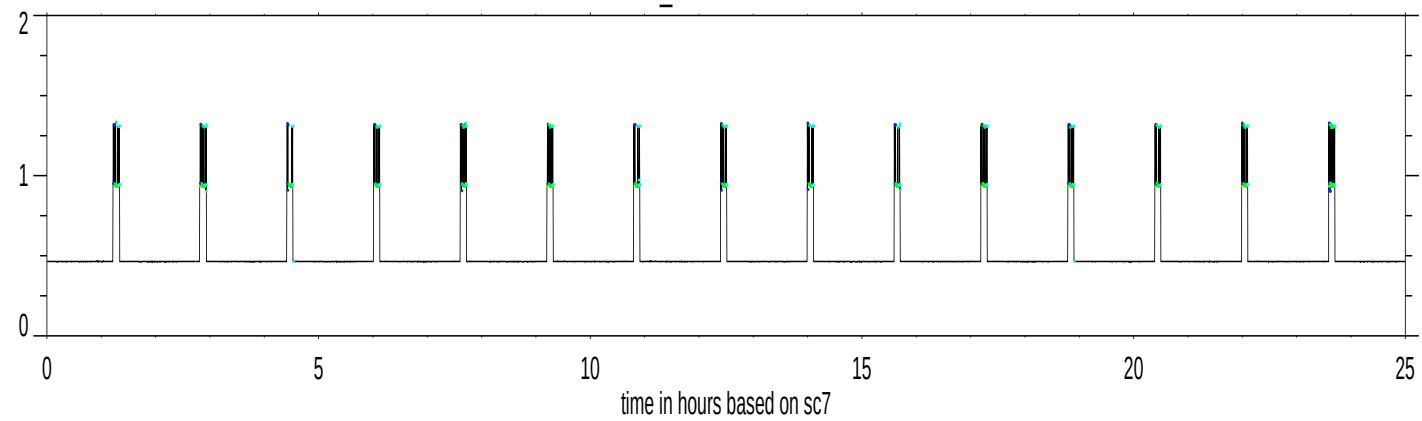

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2019210


stat_xps_cnt
time in hours from 0 UT 2019210

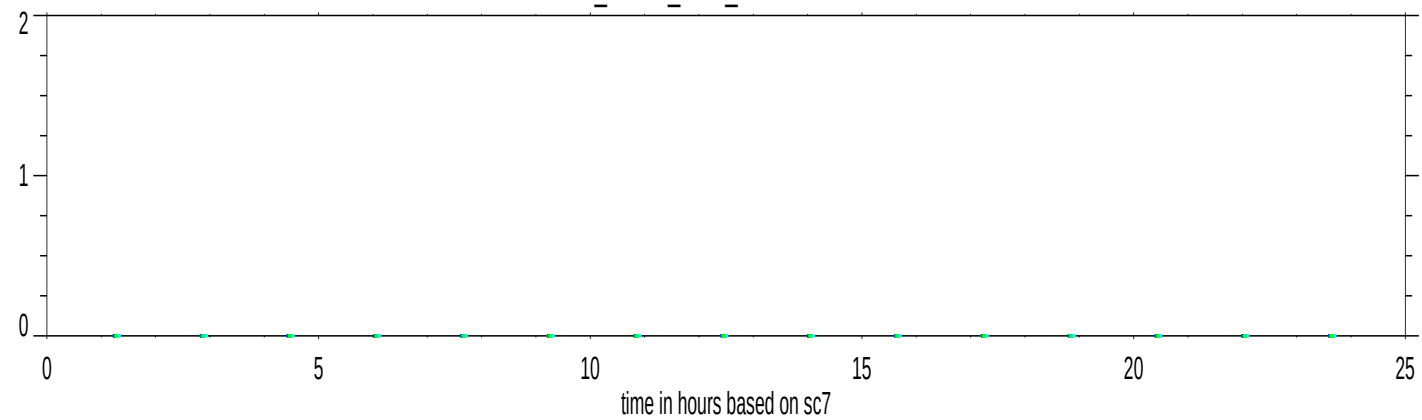

stat_xps_num
time in hours from 0 UT 2019210


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2019210

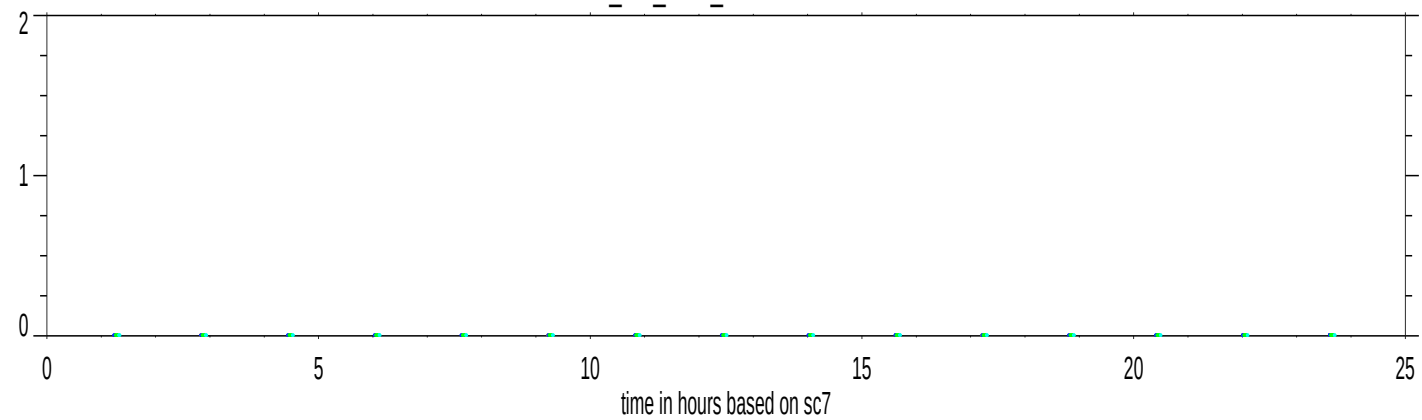
SEE_CUR 2019210



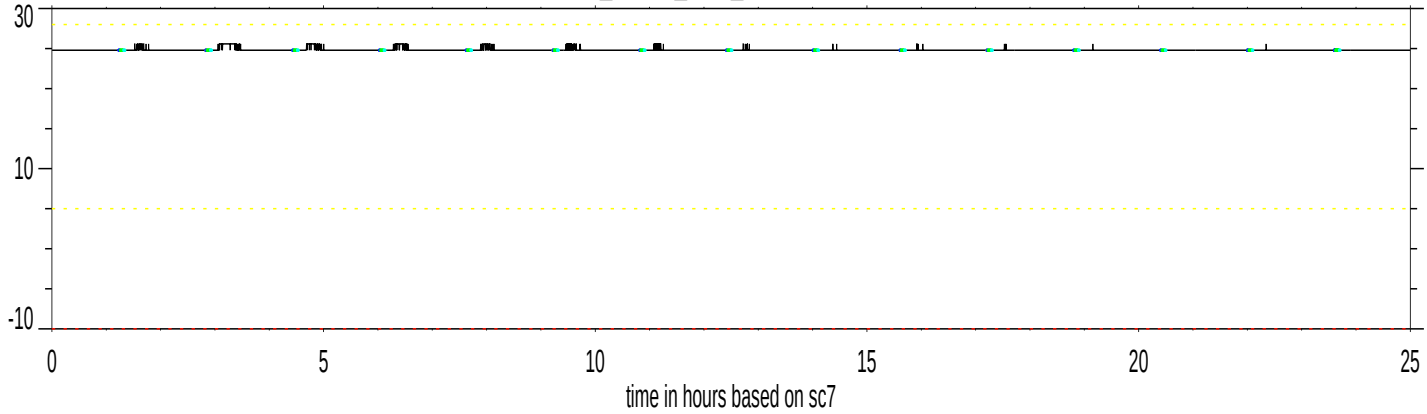
SEE_SURV_HTR_CUR 2019210



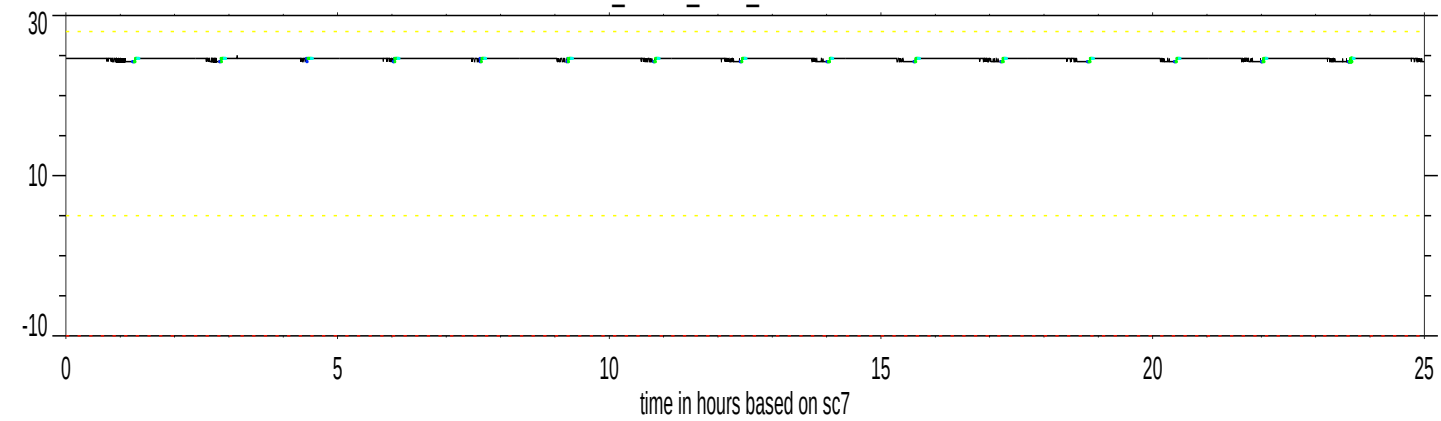
SEE_OP_HTR_CUR 2019210



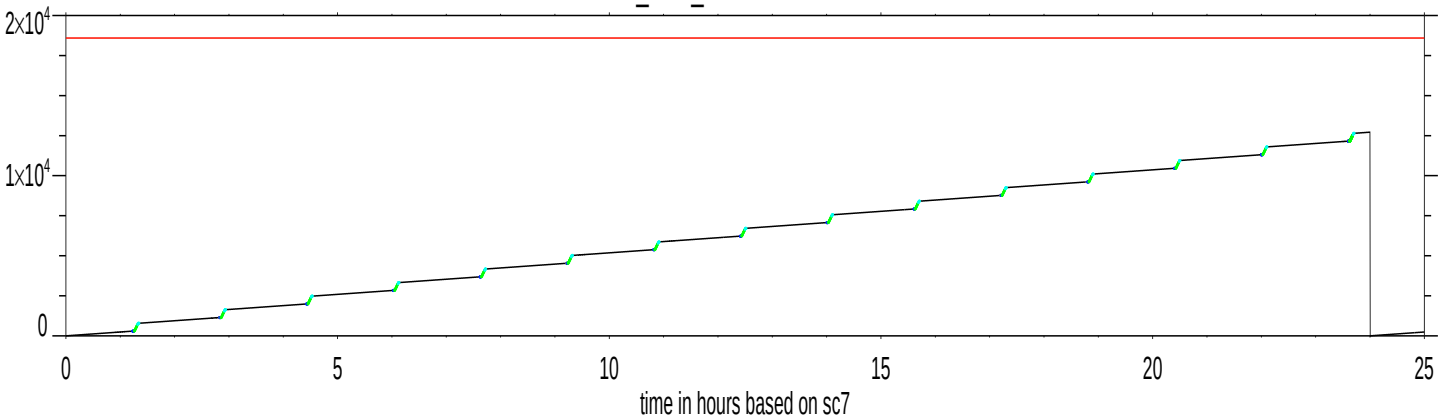
SSPP_BHND_XPS_TEMP 2019210



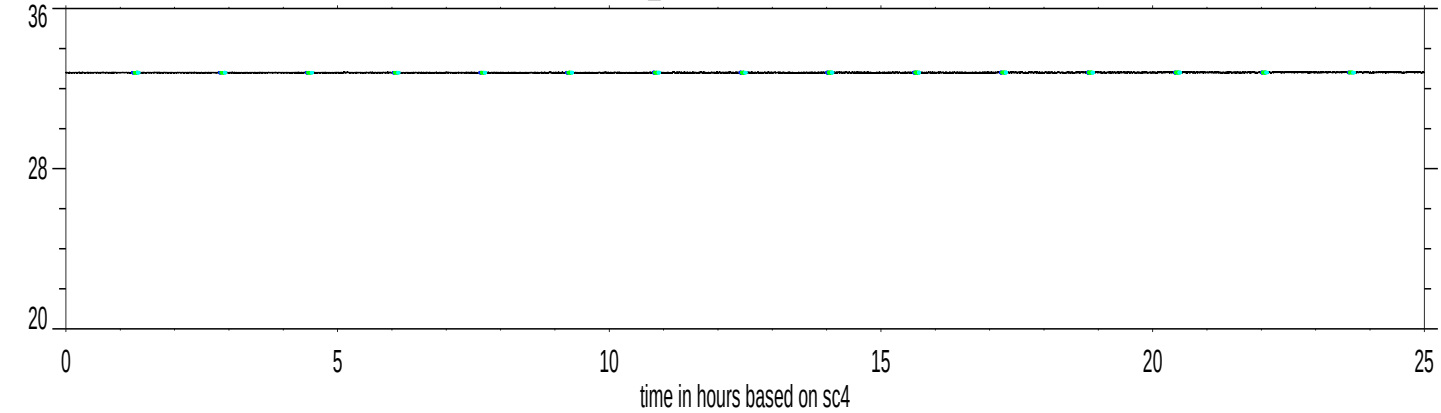
SSPP_BHND_MTR_TEMP 2019210



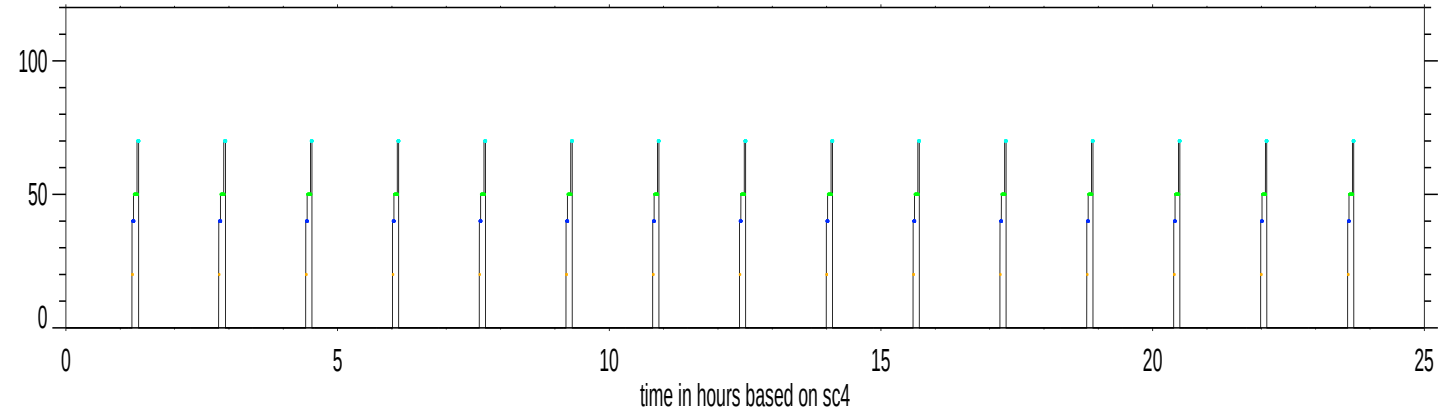
SEE_PKT_COUNT 2019210

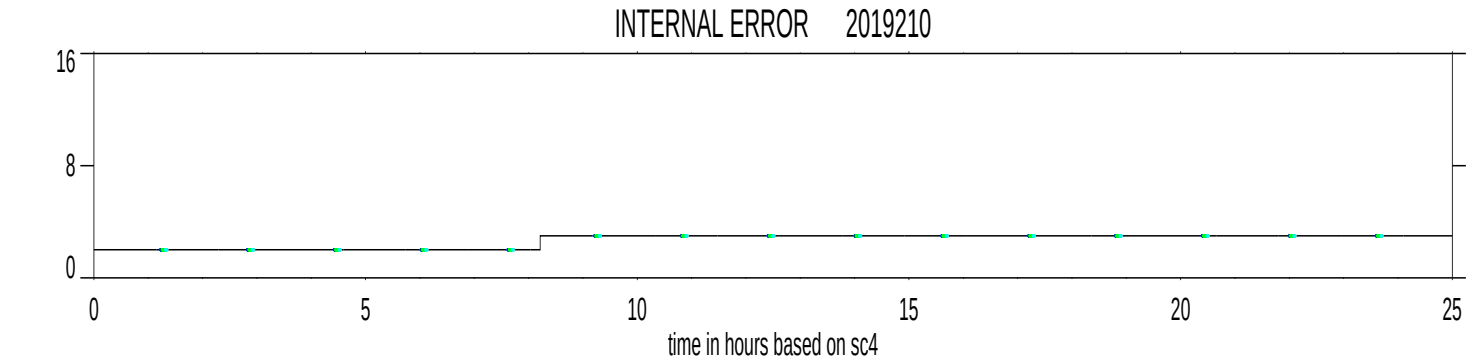


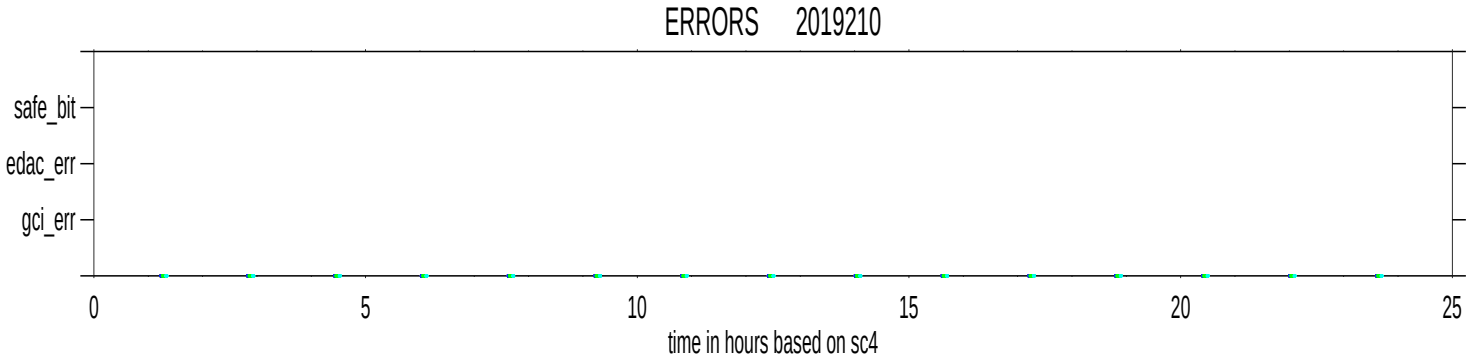
BUS_VOLTAGE 2019210

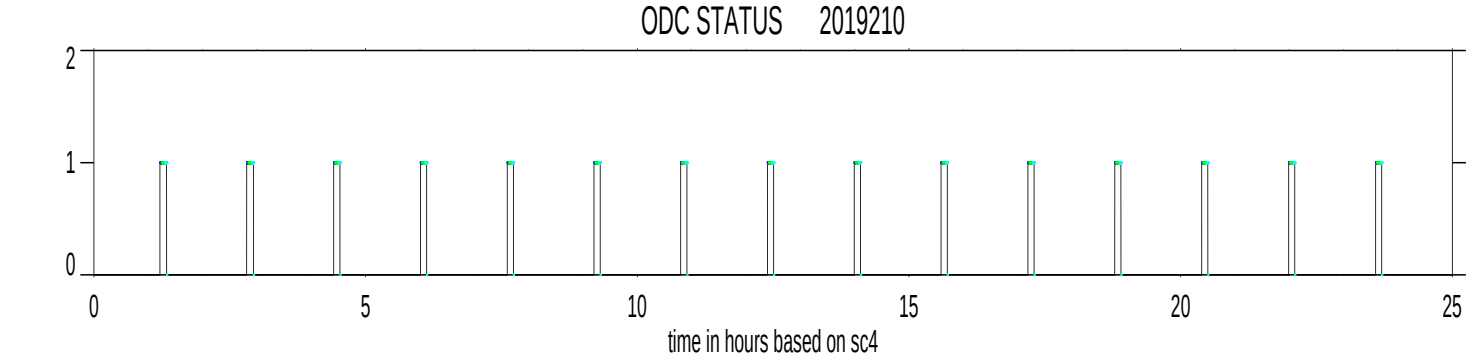


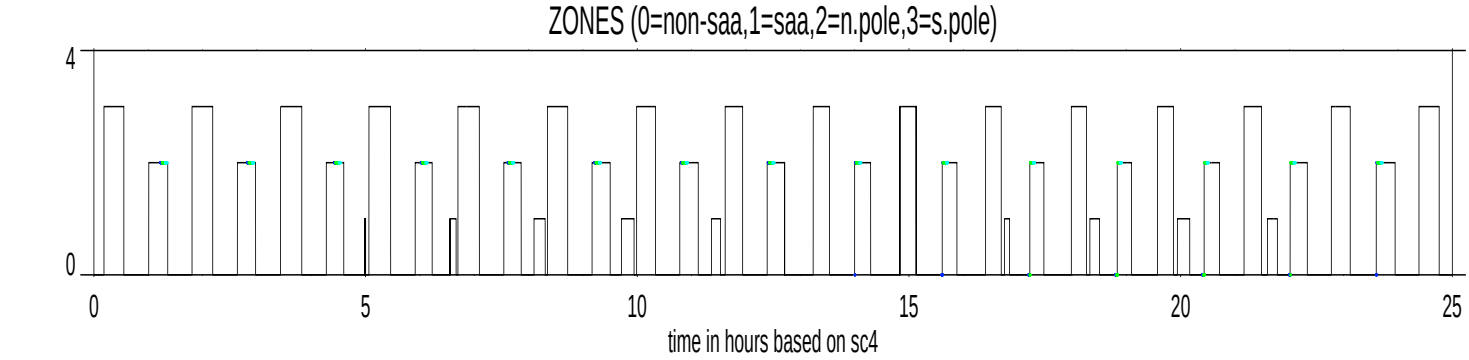
SEE_MU Operational Mode 2019210

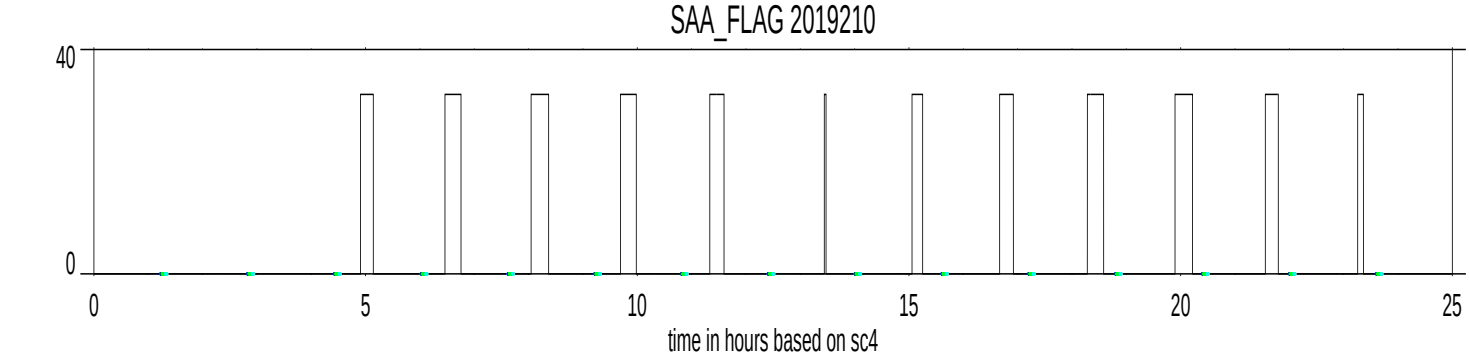


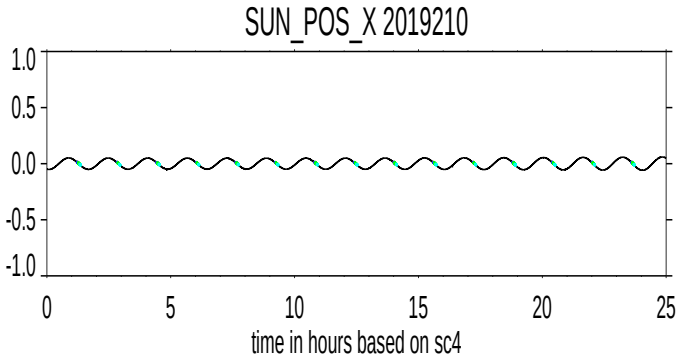

INTERNAL ERROR 2019210
16
8
0
0
5
10
15
20
25
time in hours based on sc4

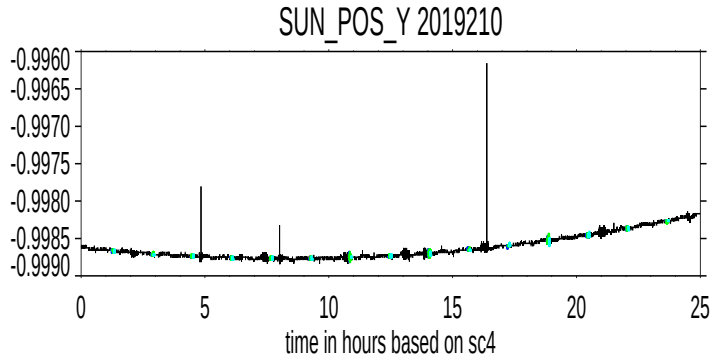

ERRORS 2019210
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

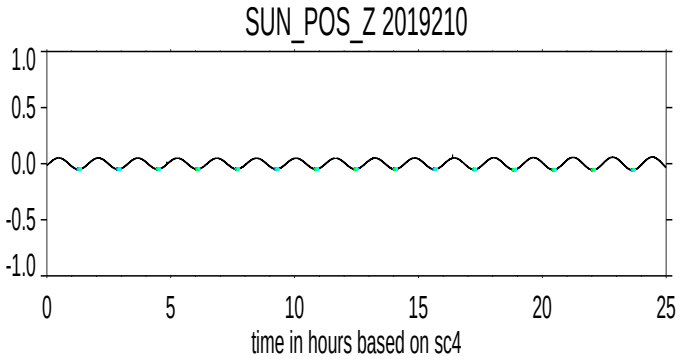

ODC STATUS 2019210
2
1
0
0
5
10
15
20
25
time in hours based on sc4

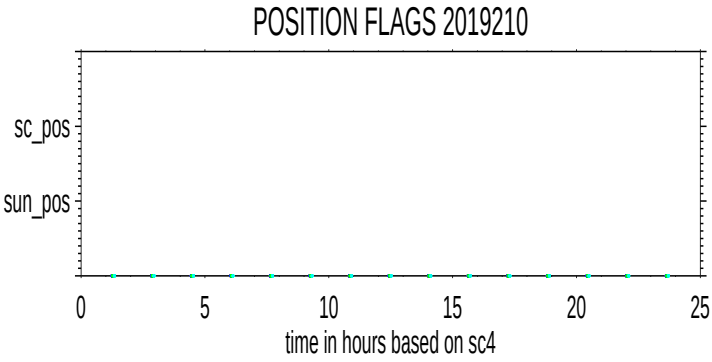

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

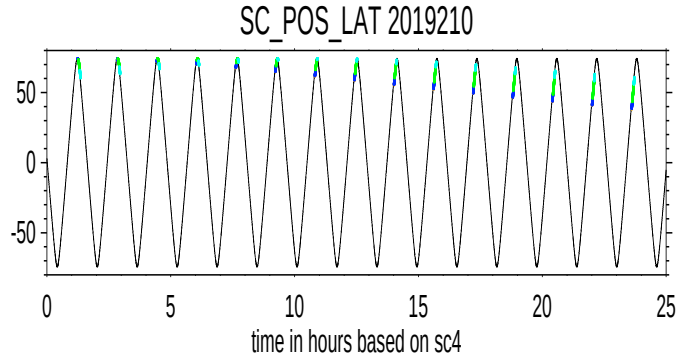

SAA_FLAG 2019210
40
0
0
5
10
15
20
25
time in hours based on sc4

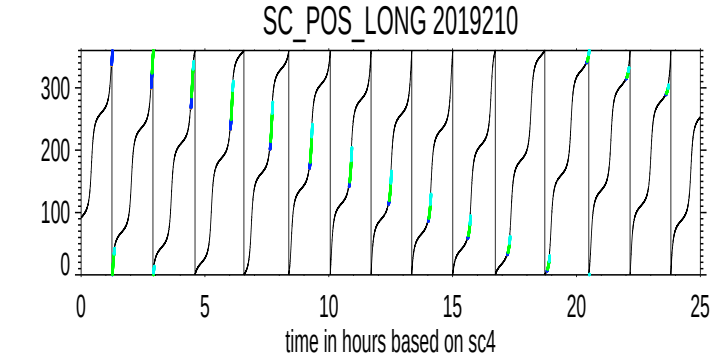

SUN_POS_X 2019210
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

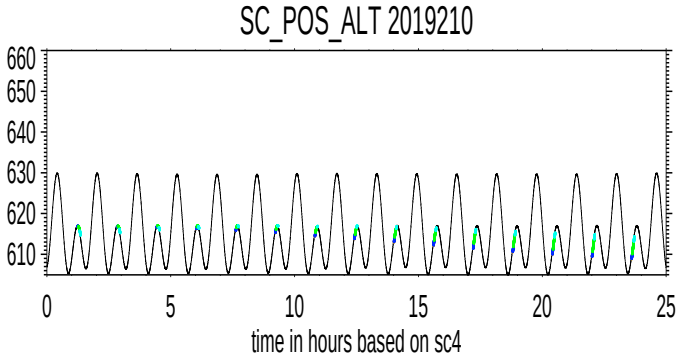

SUN_POS_Y 2019210
-0.9960
-0.9965
-0.9970
-0.9975
-0.9980
-0.9985
-0.9990
0
5
10
15
20
25
time in hours based on sc4

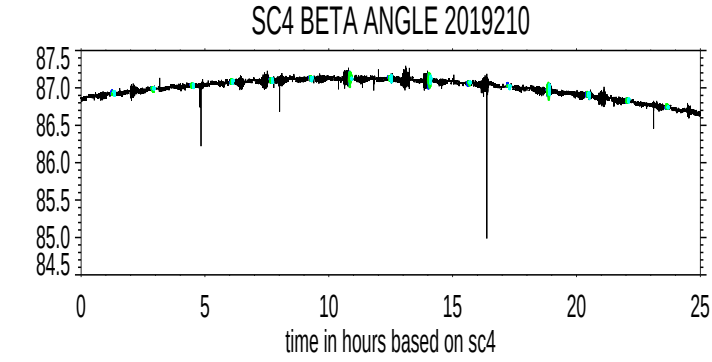

SUN_POS_Z 2019210
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2019210
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2019210
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2019210
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2019210
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2019210
87.5
87.0
86.5
86.0
85.5
85.0
84.5
0
5
10
15
20
25
time in hours based on sc4