```
Information for      2019280
20:41:31.002: see_stat[1]: 2 internal error
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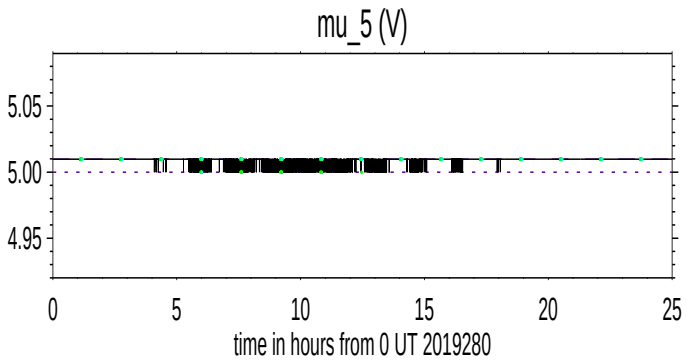
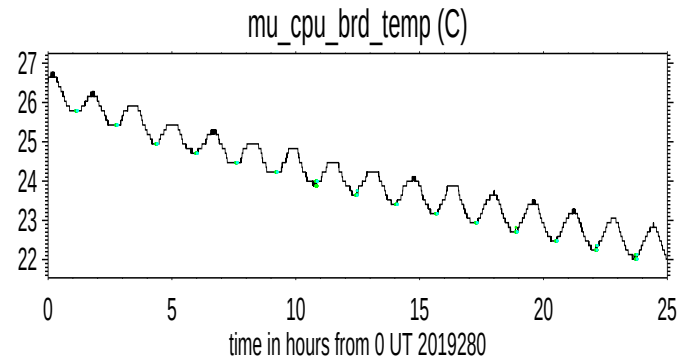
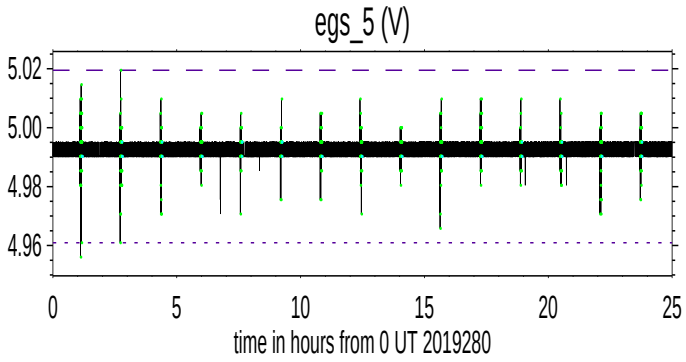
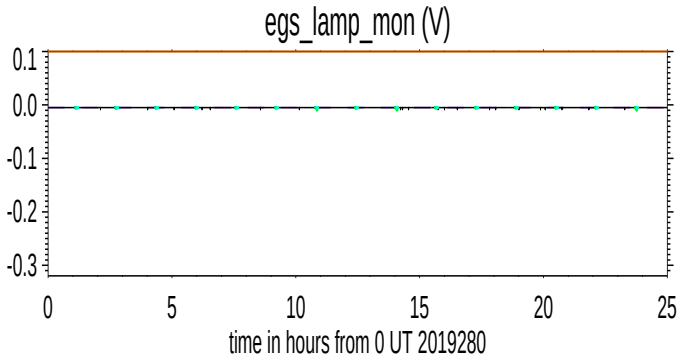
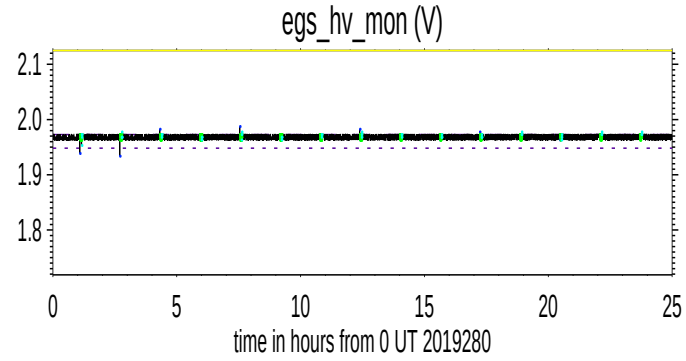
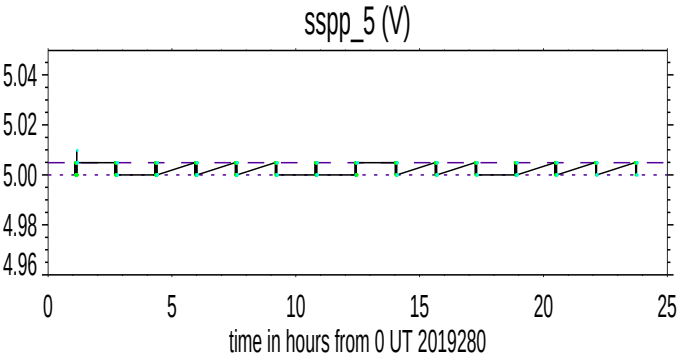

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2019280

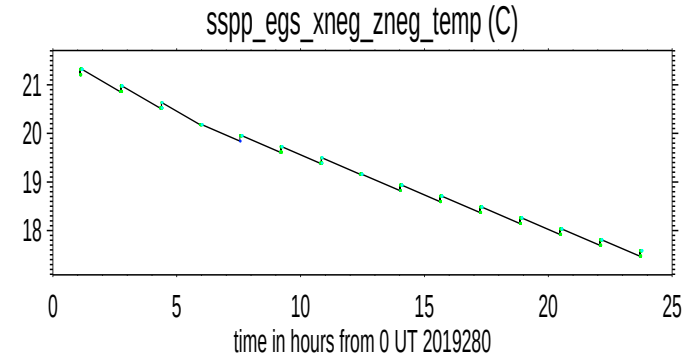

mu_cpu_brd_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2019280

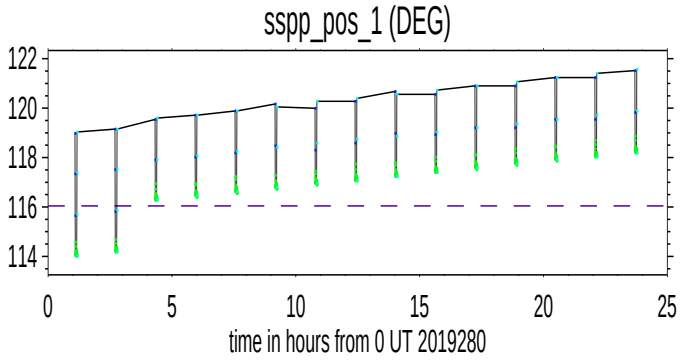

egs_5 (V)
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019280

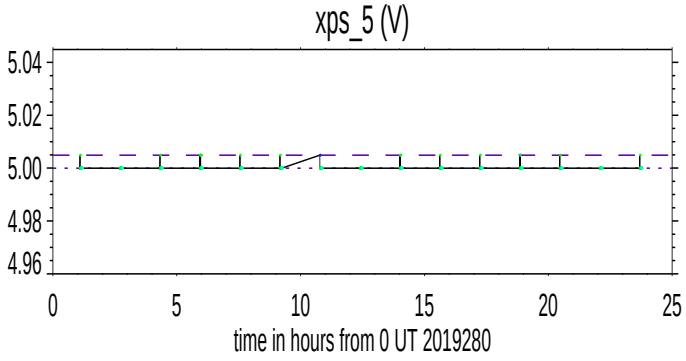

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2019280

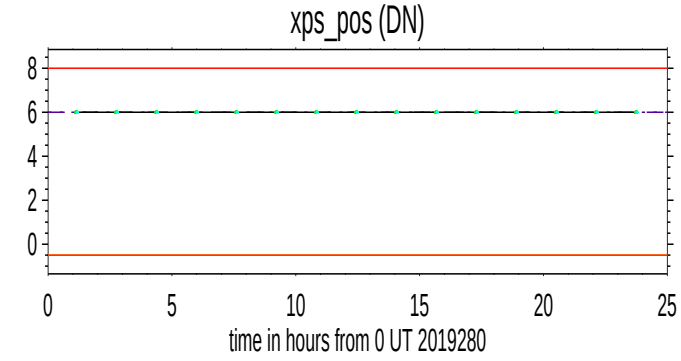

egs_hv_mon (V)
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2019280

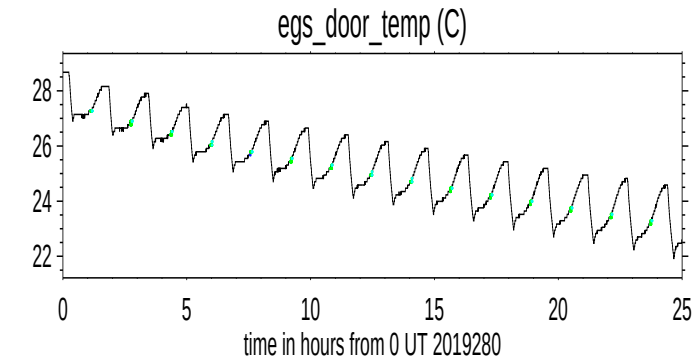

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019280

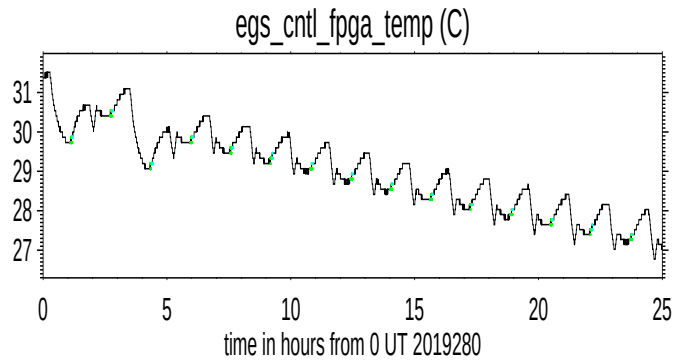

sspp_egs_xneg_zneg_temp (C)
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2019280

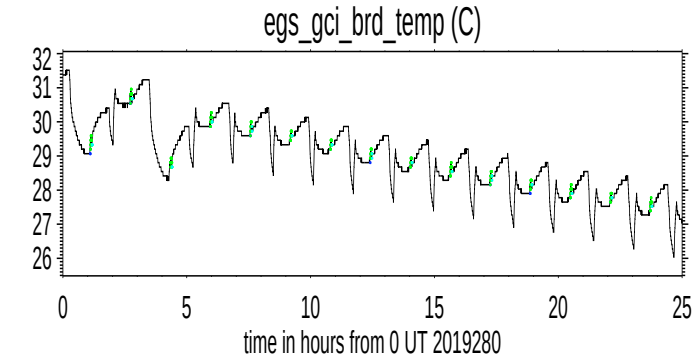

sspp_pos_1 (DEG)
122
120
118
116
114
0
5
10
15
20
25
time in hours from 0 UT 2019280

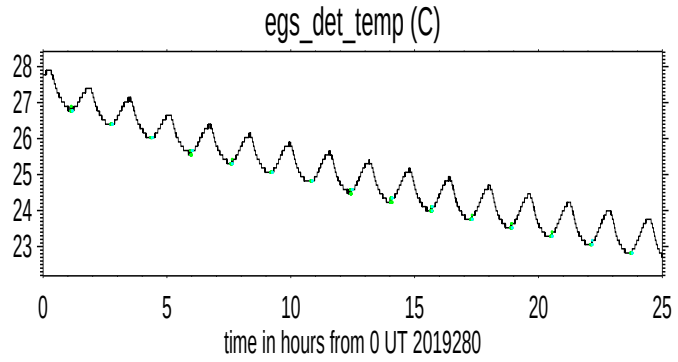

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2019280

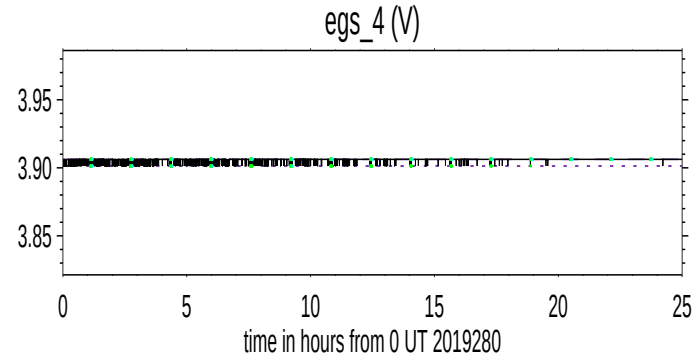

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2019280

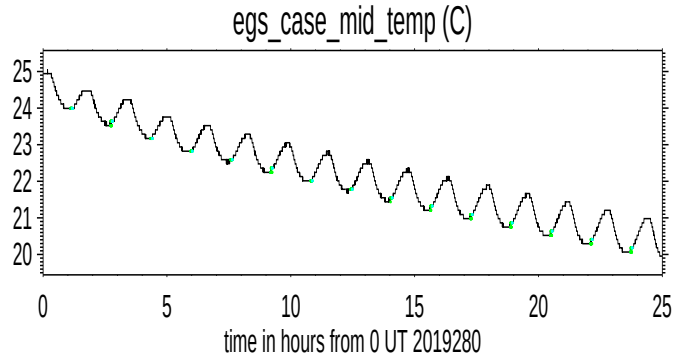

egs_door_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2019280

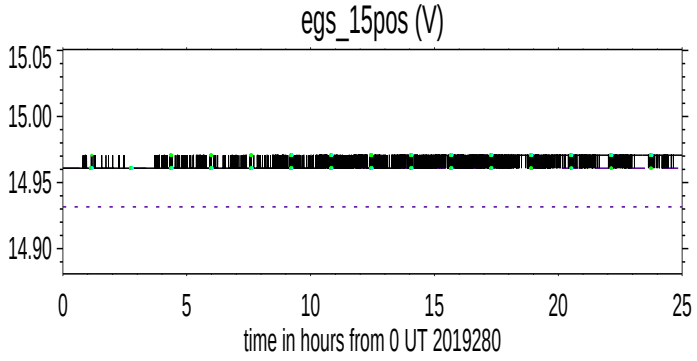

egs_cntl_fpga_temp (C)
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2019280

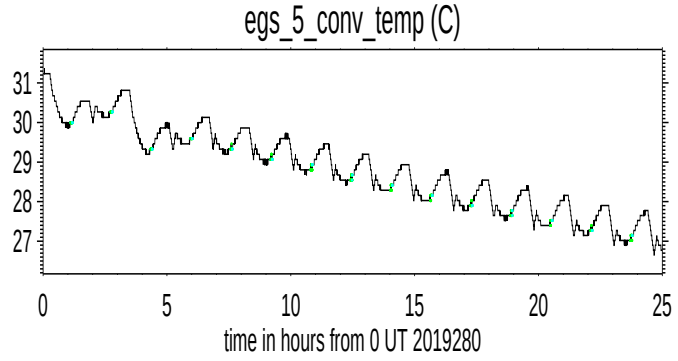

egs_gci_brd_temp (C)
32
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019280

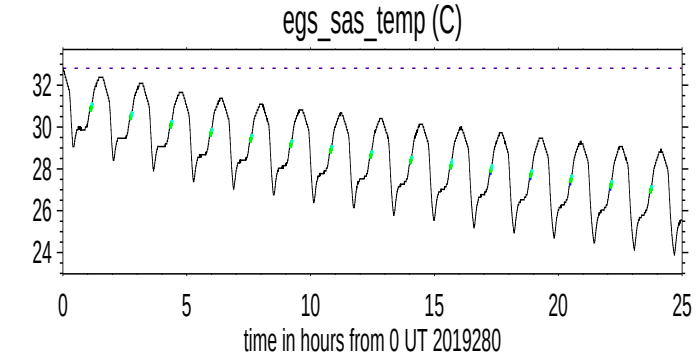

egs_det_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019280

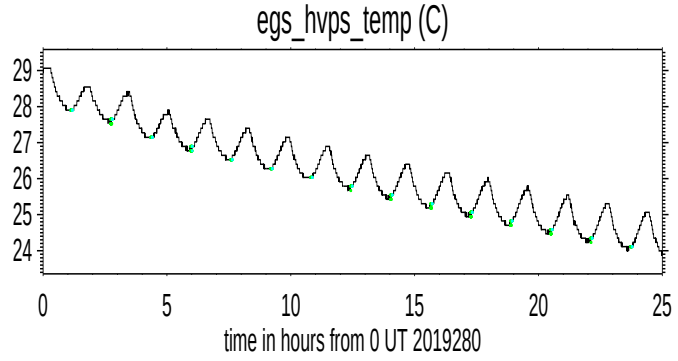

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019280

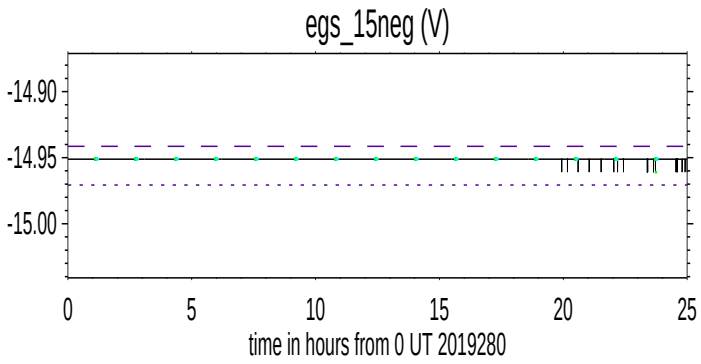

egs_case_mid_temp (C)
25
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

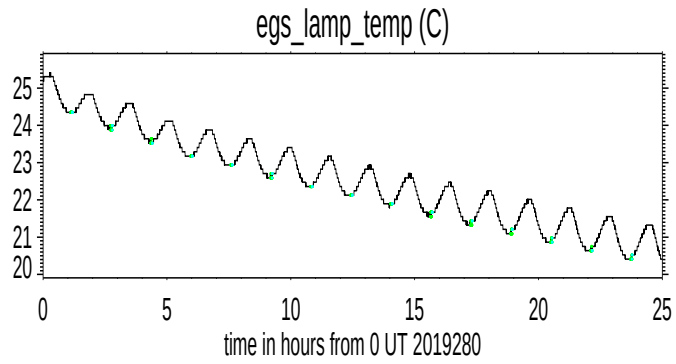

egs_15pos (V)
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2019280

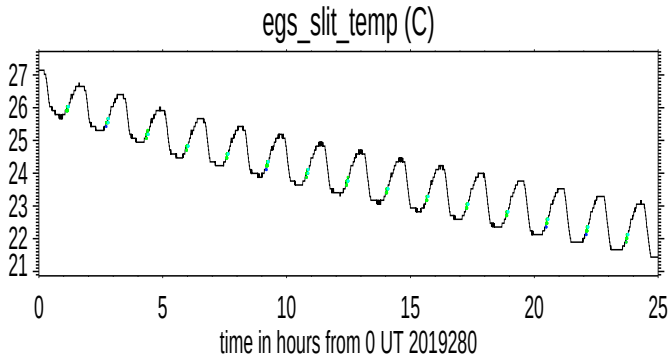

egs_5_conv_temp (C)
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2019280


egs_sas_temp (C)
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2019280


egs_hvps_temp (C)
29
28
27
26
25
24
0
5
10
15
20
25
time in hours from 0 UT 2019280


egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2019280


egs_lamp_temp (C)
25 24 23 22 21 20
0 5 10 15 20 25
time in hours from 0 UT 2019280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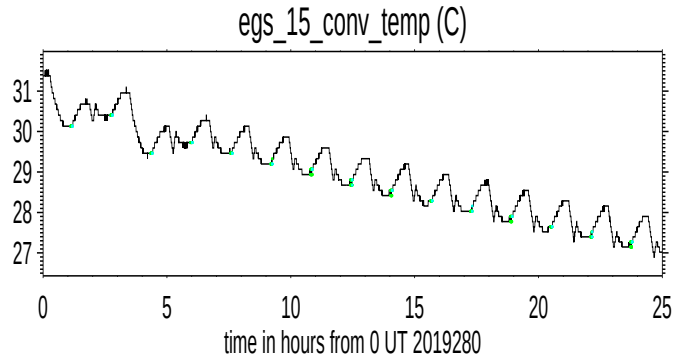
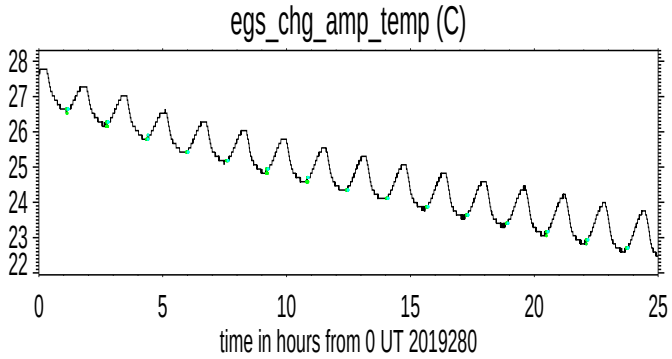
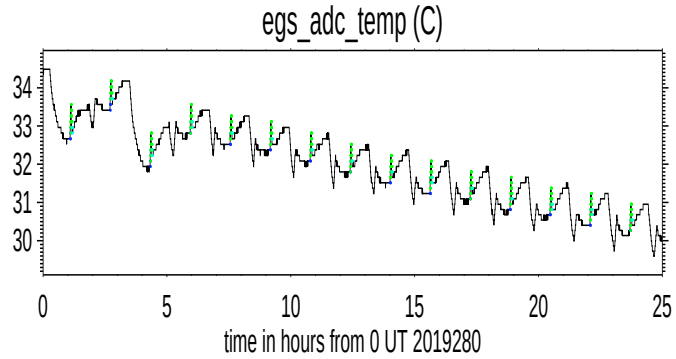
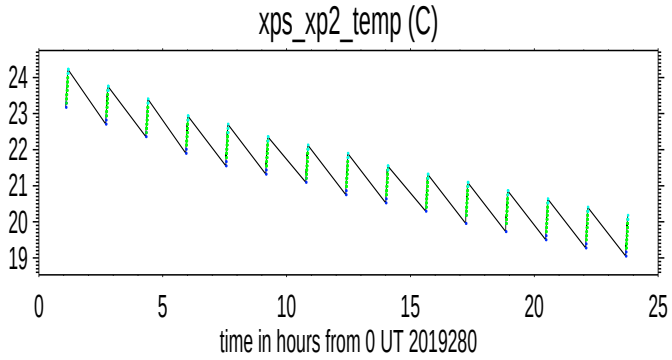
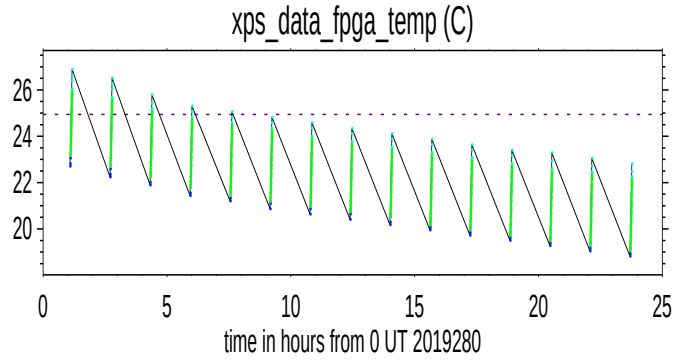
27 26 25 24 23 22 21
0 5 10 15 20 25
time in hours from 0 UT 2019280

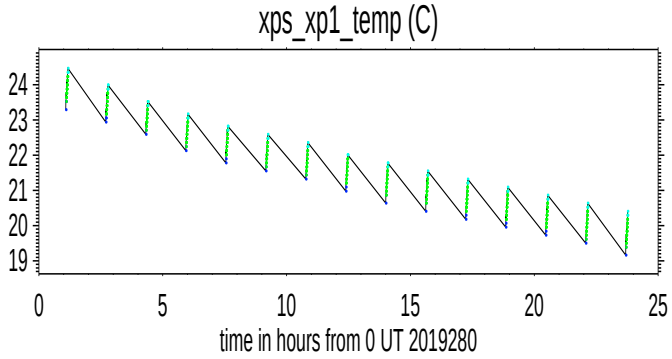

egs_15_conv_temp (C)
31 30 29 28 27
0 5 10 15 20 25
time in hours from 0 UT 2019280


egs_chg_amp_temp (C)
28 27 26 25 24 23 22
0 5 10 15 20 25
time in hours from 0 UT 2019280


egs_adc_temp (C)
34 33 32 31 30
0 5 10 15 20 25
time in hours from 0 UT 2019280


xps_xp2_temp (C)
24 23 22 21 20 19
0 5 10 15 20 25
time in hours from 0 UT 2019280


xps_data_fpga_temp (C)
26 24 22 20
0 5 10 15 20 25
time in hours from 0 UT 2019280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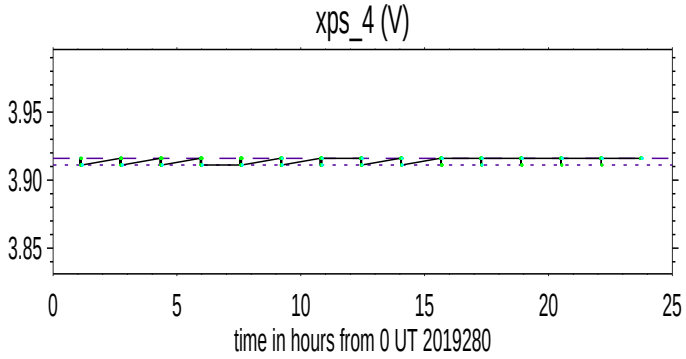
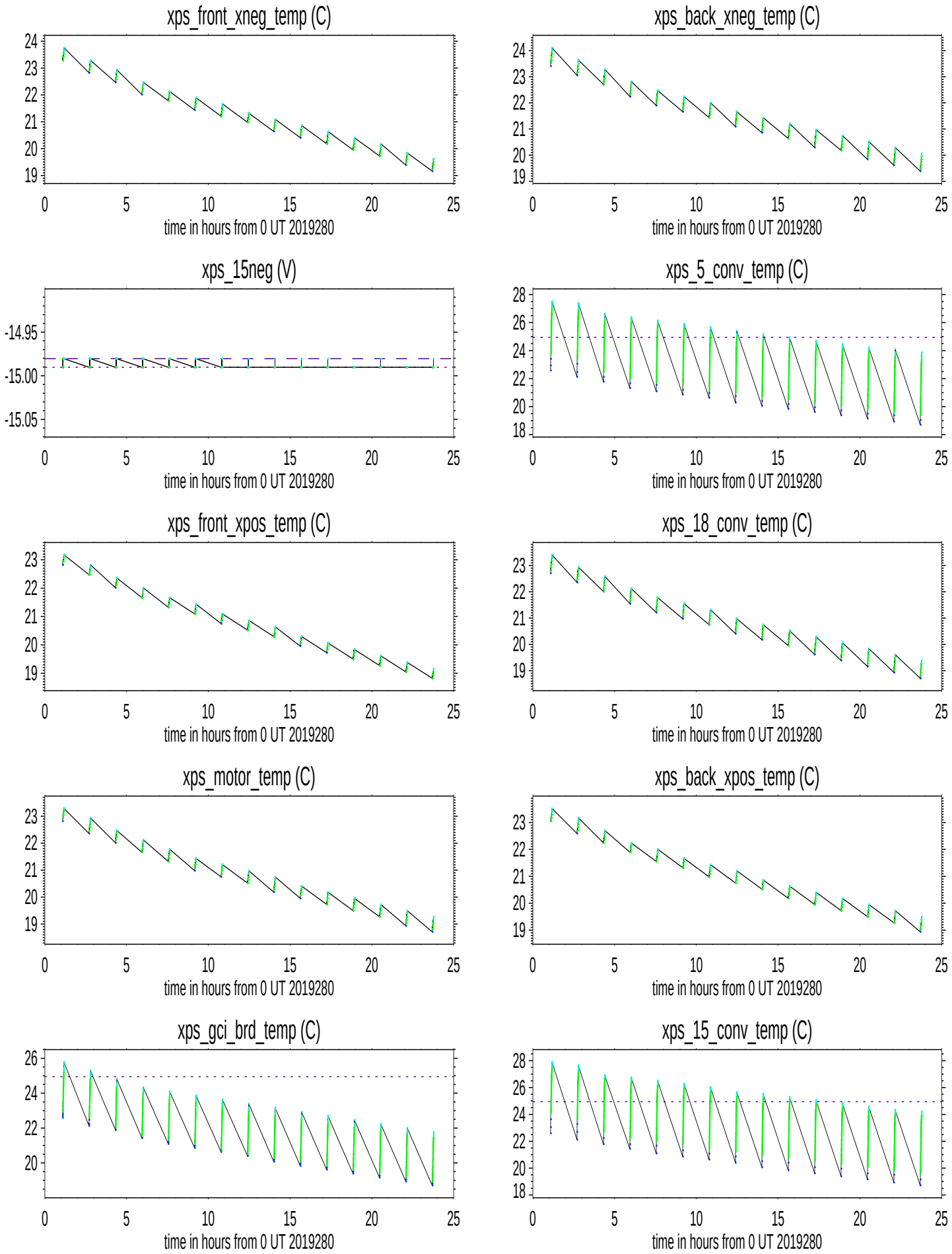
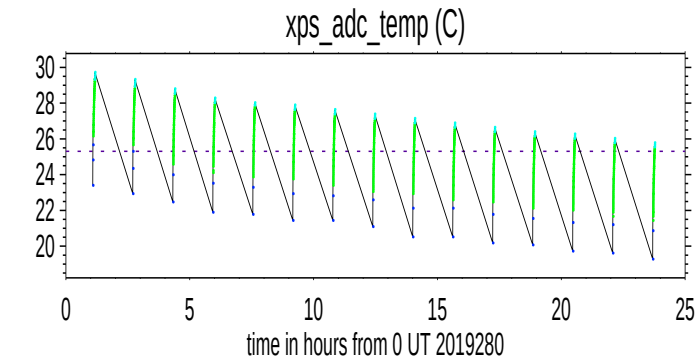
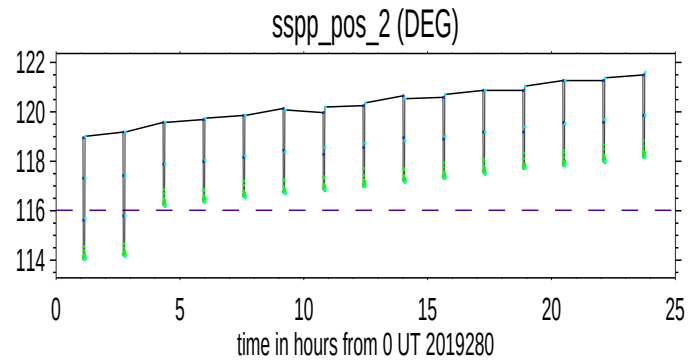
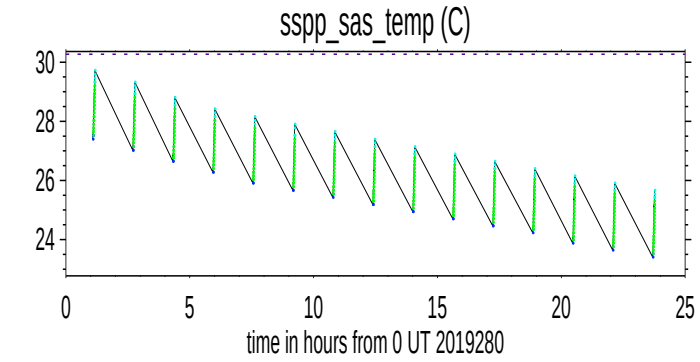
0 5 10 15 20 25
time in hours from 0 UT 2019280

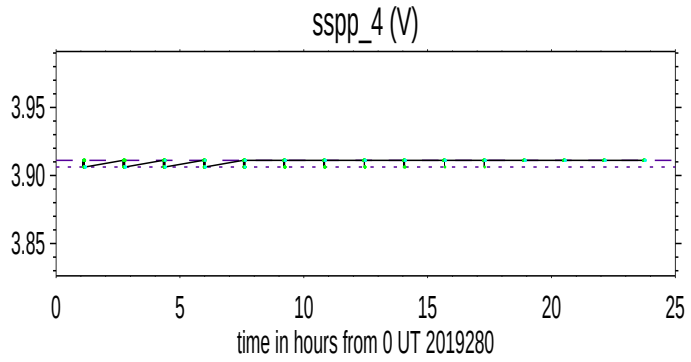

xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2019280

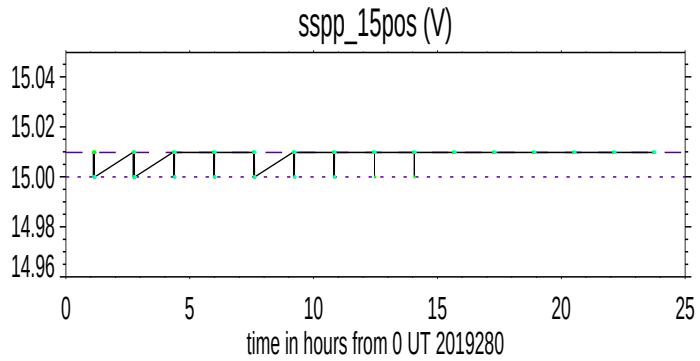

xps_front_xneg_temp (C)
xps_back_xneg_temp (C)
xps_15neg (V)
xps_5_conv_temp (C)
xps_front_xpos_temp (C)
xps_18_conv_temp (C)
xps_motor_temp (C)
xps_back_xpos_temp (C)
xps_gci_brd_temp (C)
xps_15_conv_temp (C)
time in hours from 0 UT 2019280

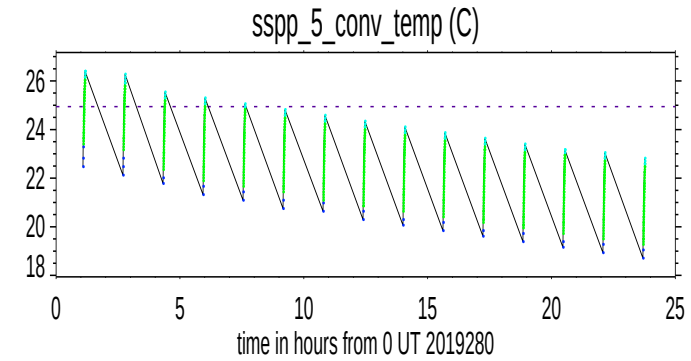

xps_adc_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

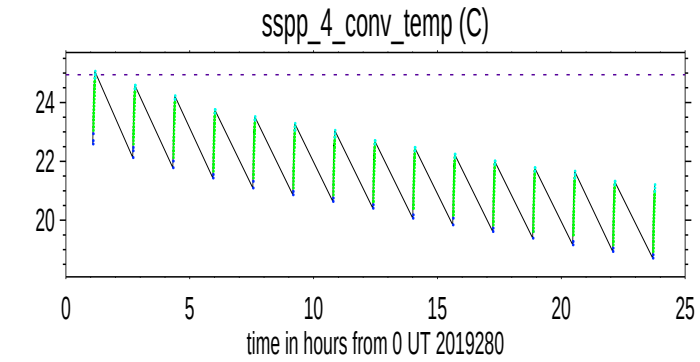

sspp_pos_2 (DEG)
122
120
118
116
114
0
5
10
15
20
25
time in hours from 0 UT 2019280

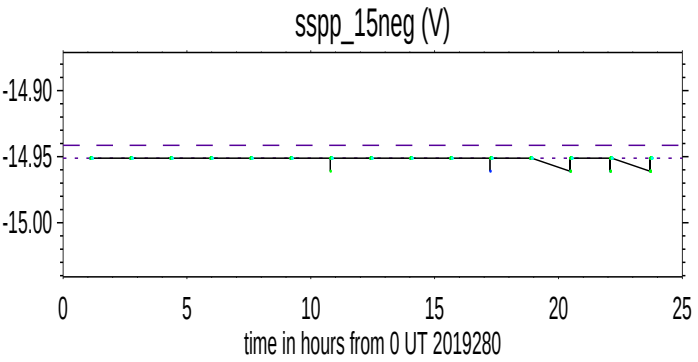

sspp_sas_temp (C)
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2019280

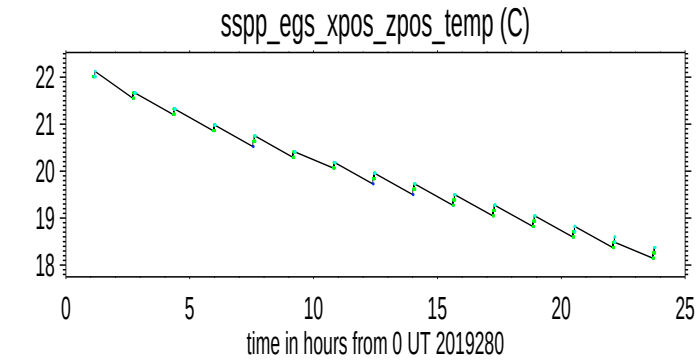

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019280

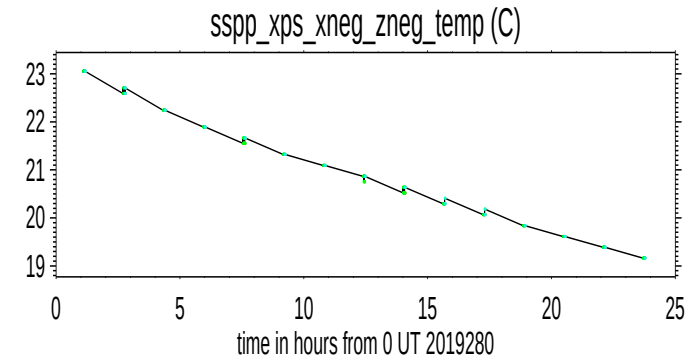

sspp_15pos (V)
15.04
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2019280

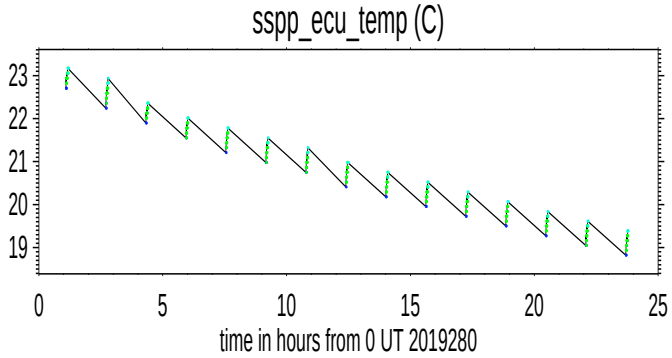

sspp_5_conv_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2019280

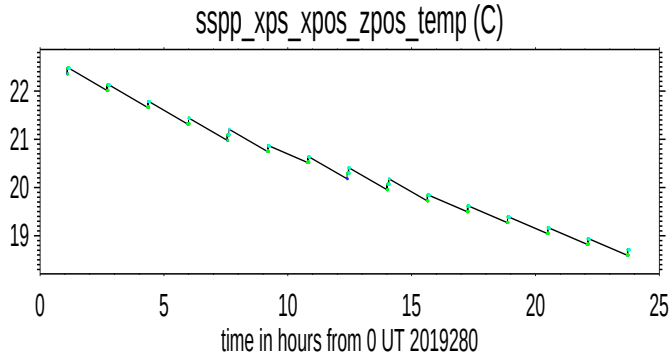

sspp_4_conv_temp (C)
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

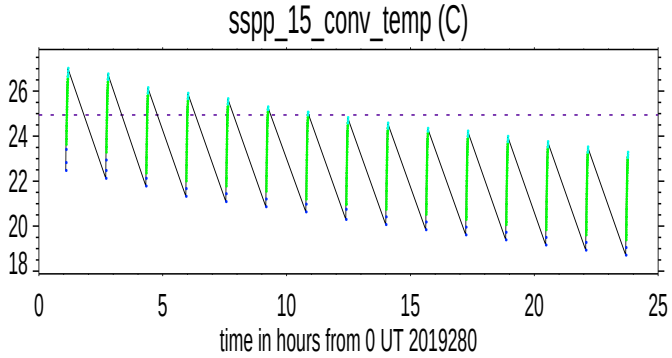

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2019280

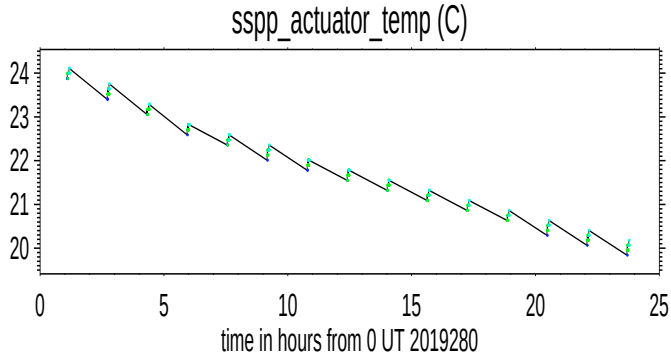

sspp_egs_xpos_zpos_temp (C)
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2019280

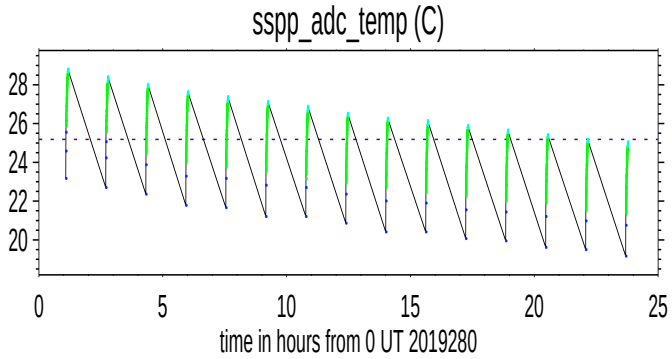

sspp_xps_xneg_zneg_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019280

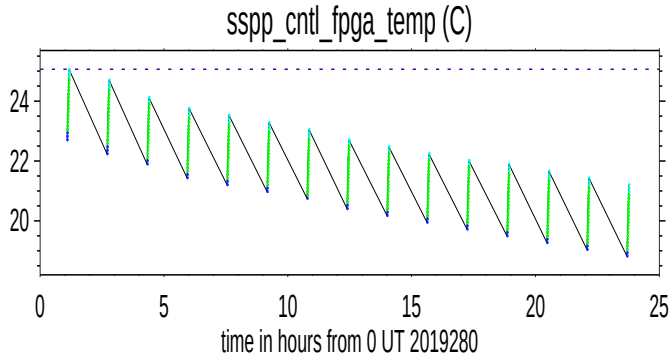

sspp_ecu_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019280

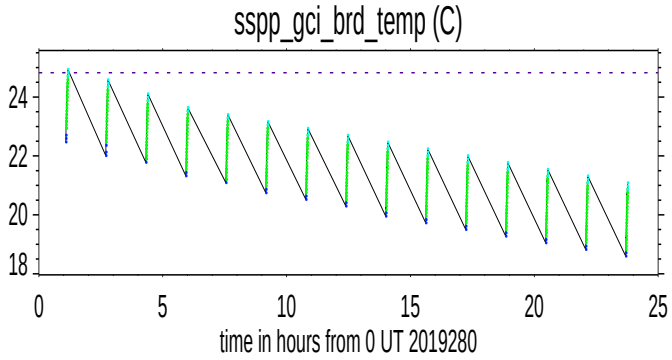

sspp_xps_xpos_zpos_temp (C)
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019280

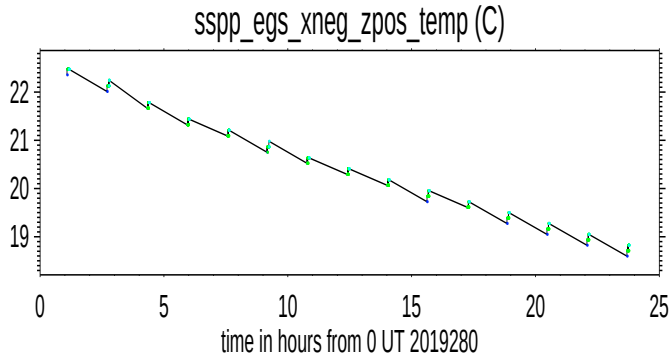

sspp_15_conv_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2019280

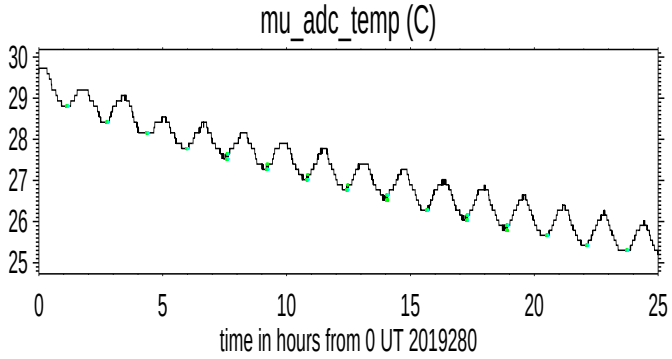

sspp_actuator_temp (C)
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

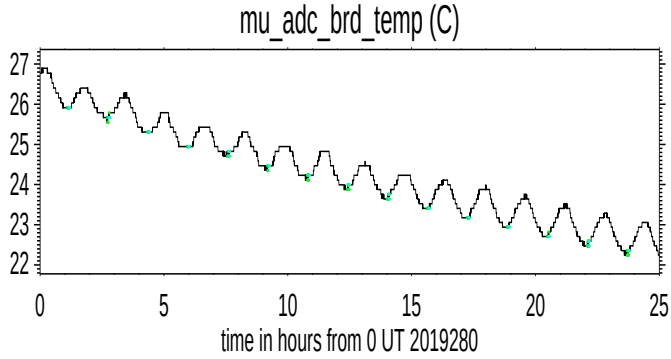

sspp_adc_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

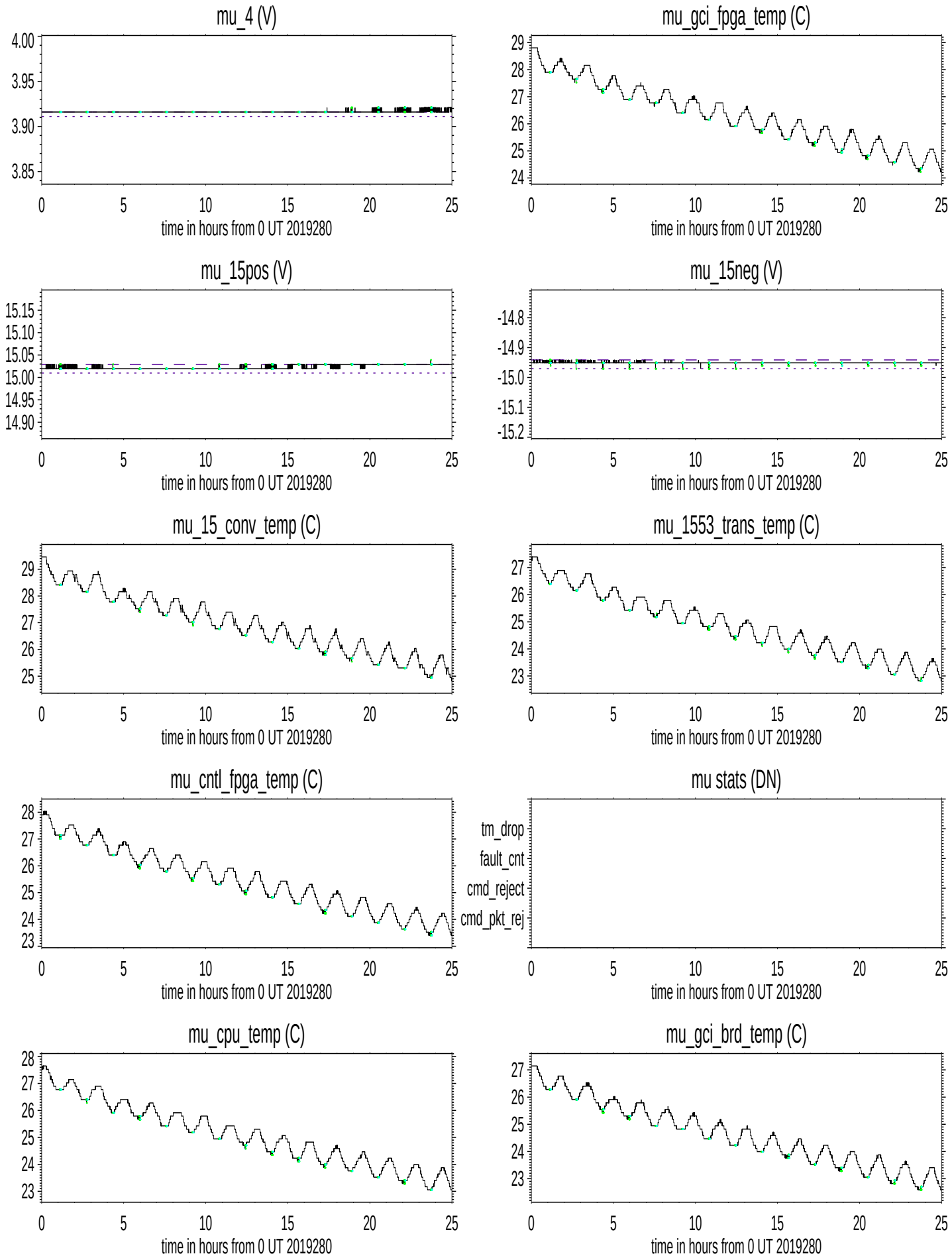

sspp_cntl_fpga_temp (C)
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019280

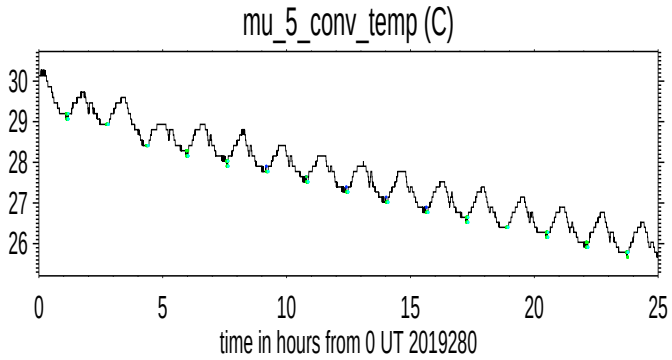

sspp_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2019280

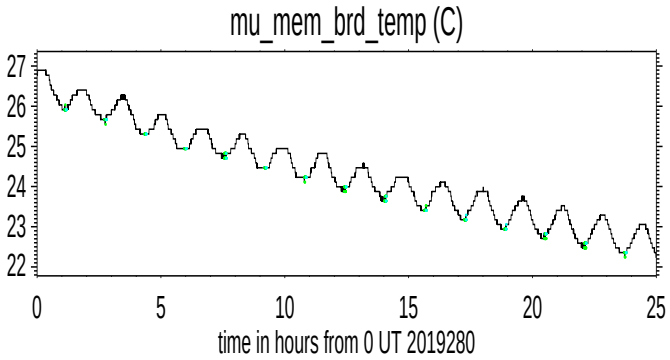

sspp_egs_xneg_zpos_temp (C)
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019280

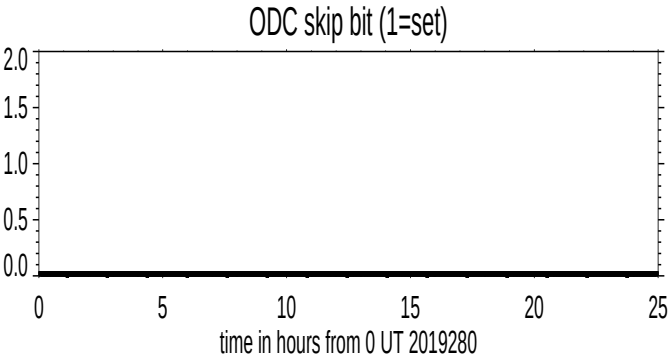

mu_adc_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2019280

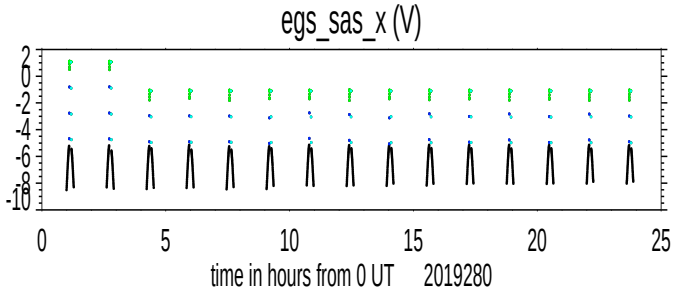

mu_adc_brd_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2019280

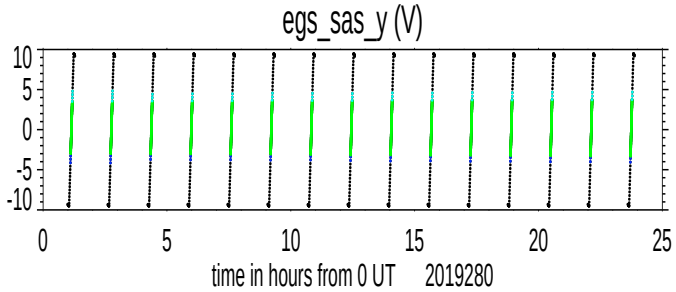

mu_4 (V)
4.00
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_gci_fpga_temp (C)
29 28 27 26 25 24
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_15pos (V)
15.15 15.10 15.05 15.00 14.95 14.90
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_15neg (V)
-14.8 -14.9 -15.0 -15.1 -15.2
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_15_conv_temp (C)
29 28 27 26 25
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_1553_trans_temp (C)
27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_cntl_fpga_temp (C)
28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_cpu_temp (C)
28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2019280
mu_gci_brd_temp (C)
27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2019280

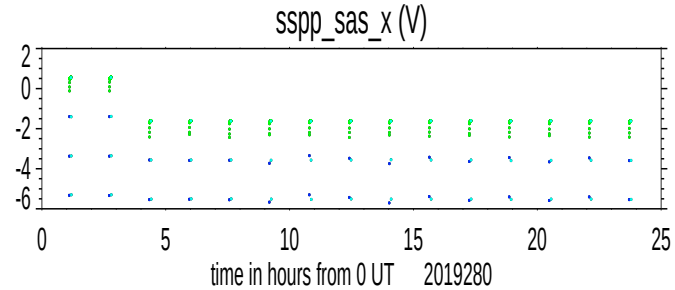

mu_5_conv_temp (C)
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019280

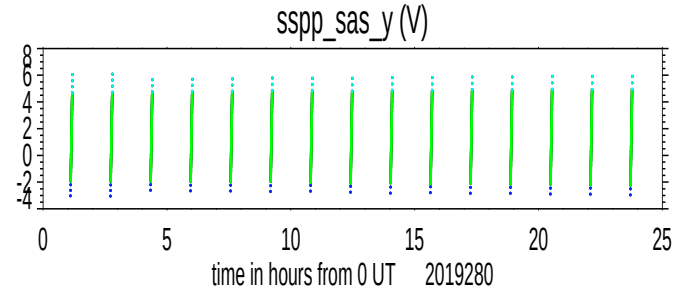

mu_mem_brd_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2019280

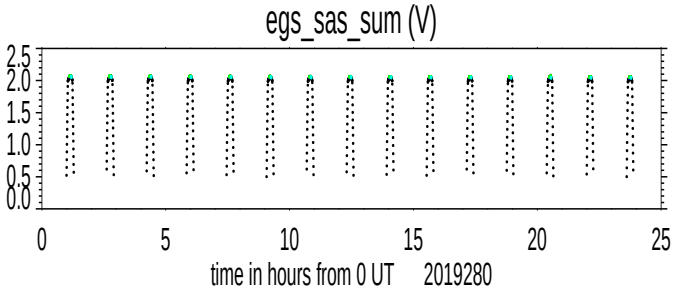

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2019280

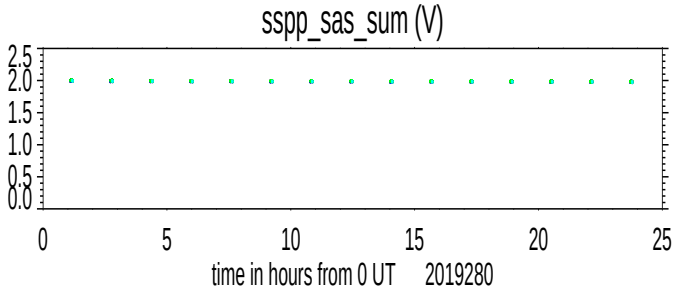

egs_sas_x (V)
time in hours from 0 UT 2019280

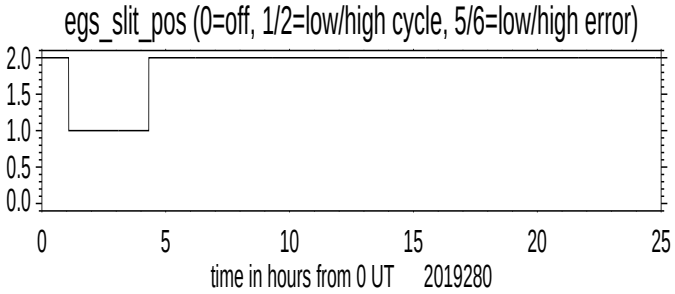

egs_sas_y (V)
time in hours from 0 UT 2019280

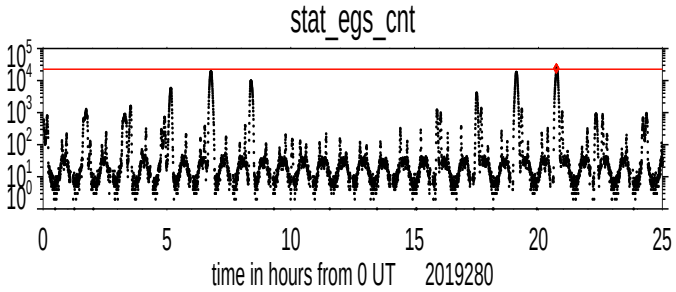

sspp_sas_x (V)
time in hours from 0 UT 2019280

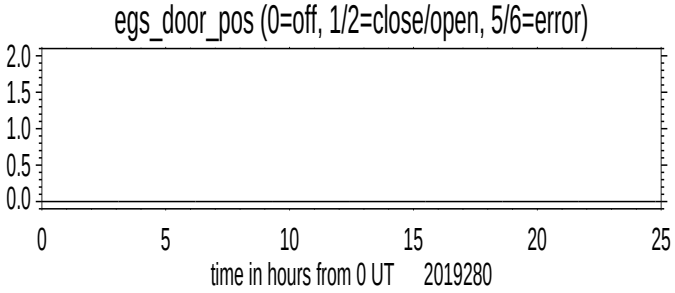

sspp_sas_y (V)
time in hours from 0 UT 2019280

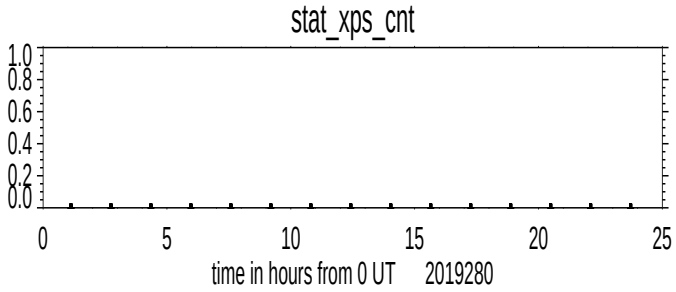

egs_sas_sum (V)
time in hours from 0 UT 2019280

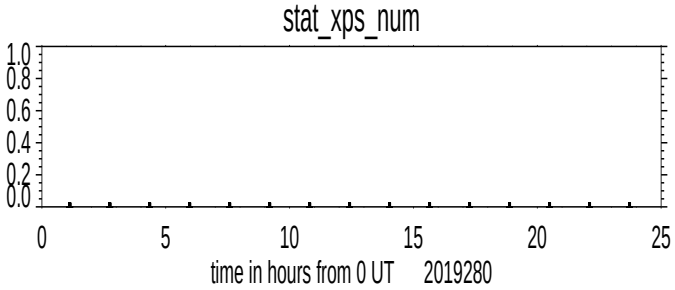

sspp_sas_sum (V)
time in hours from 0 UT 2019280

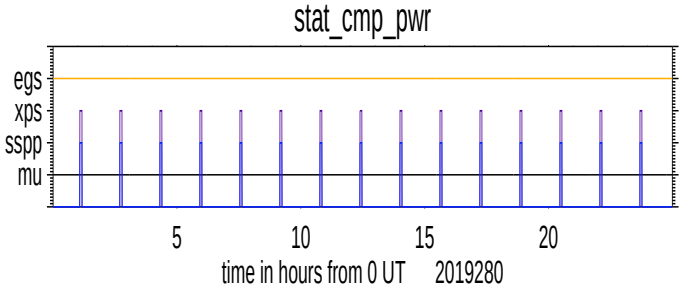

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2019280


stat_egs_cnt
time in hours from 0 UT 2019280

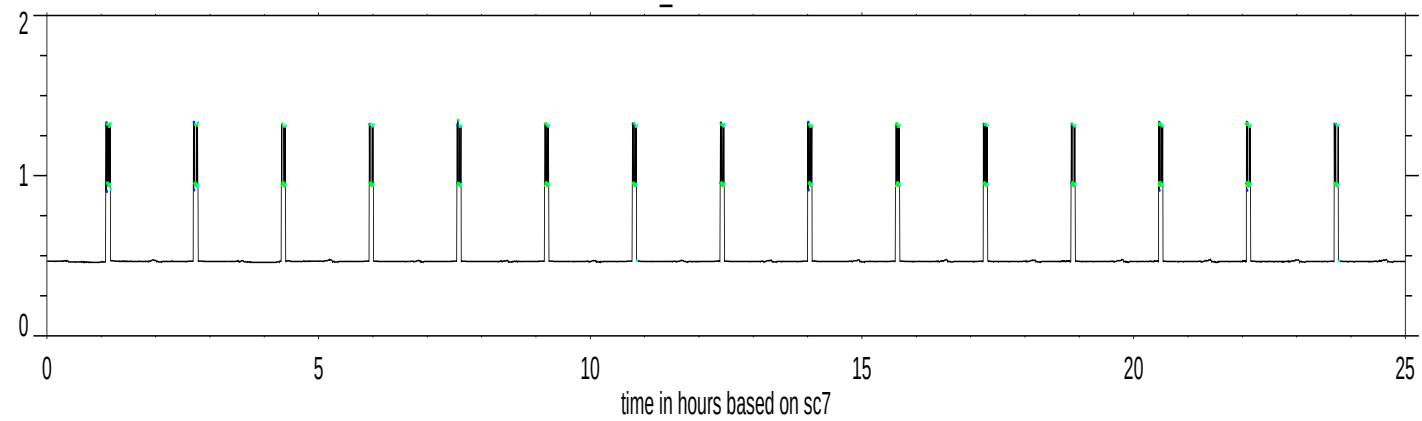

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2019280


stat_xps_cnt
time in hours from 0 UT 2019280

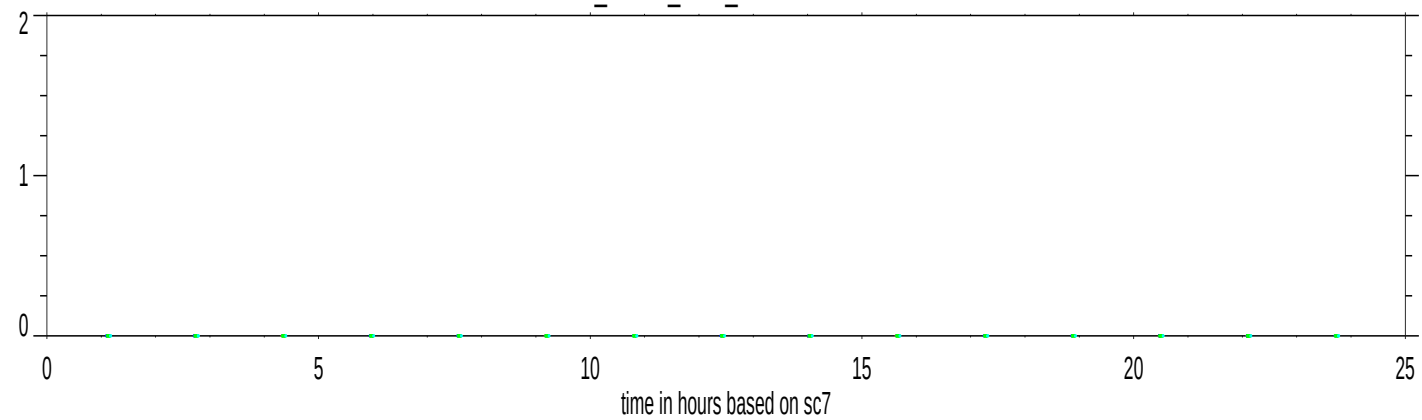

stat_xps_num
time in hours from 0 UT 2019280


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2019280

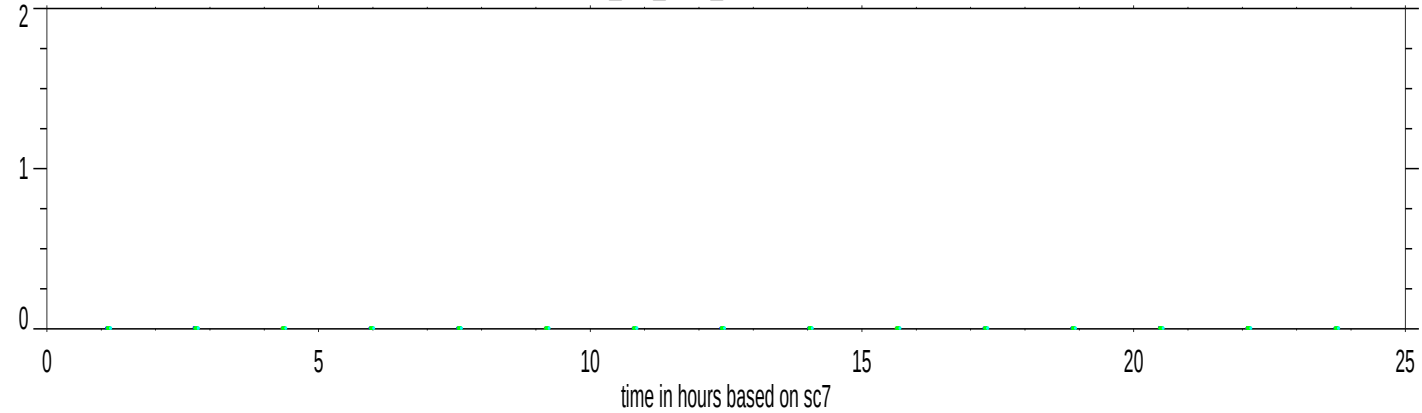
SEE_CUR 2019280



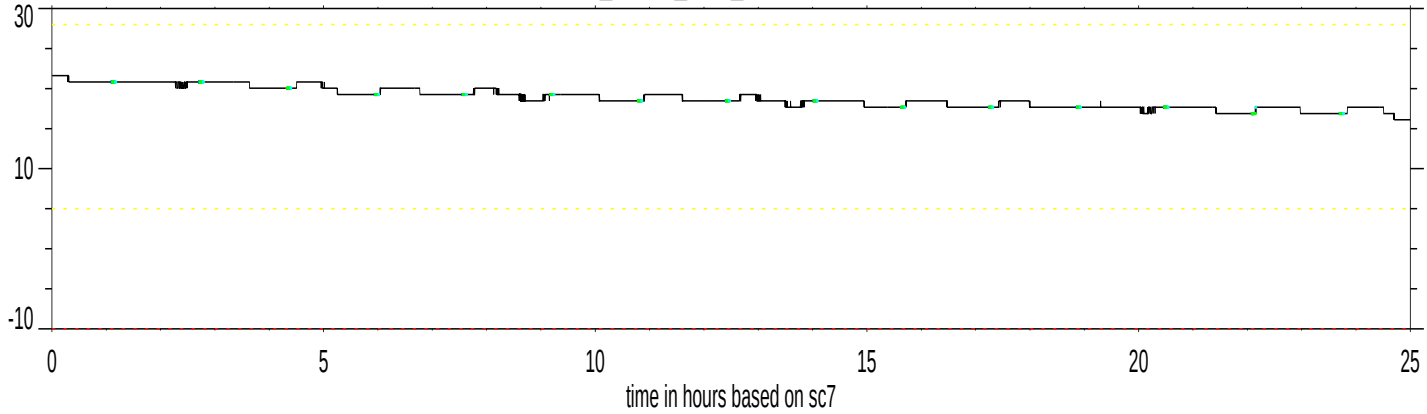
SEE_SURV_HTR_CUR 2019280

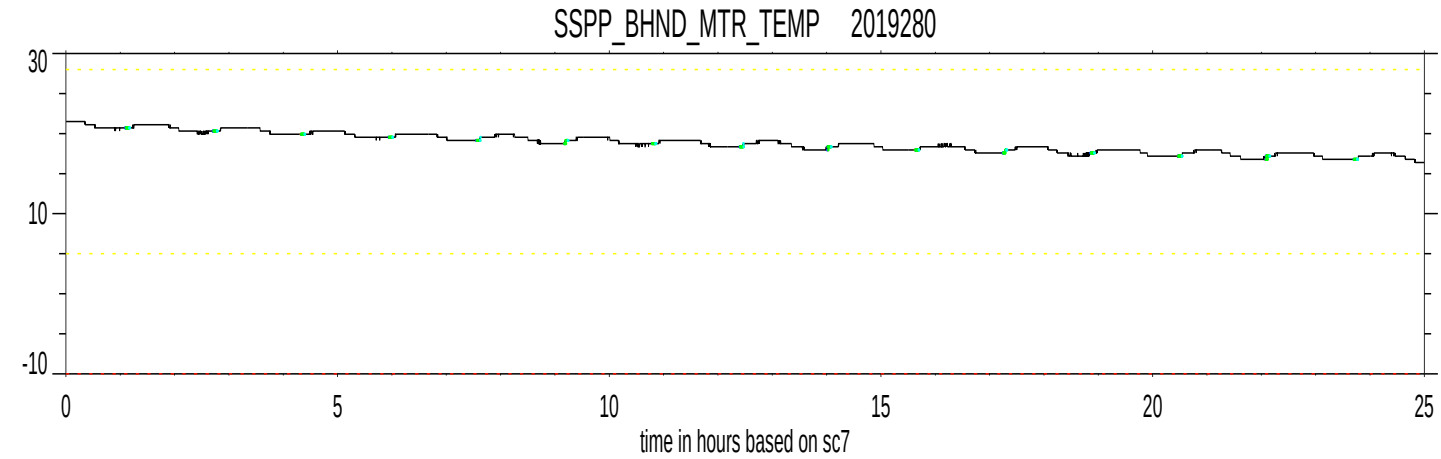


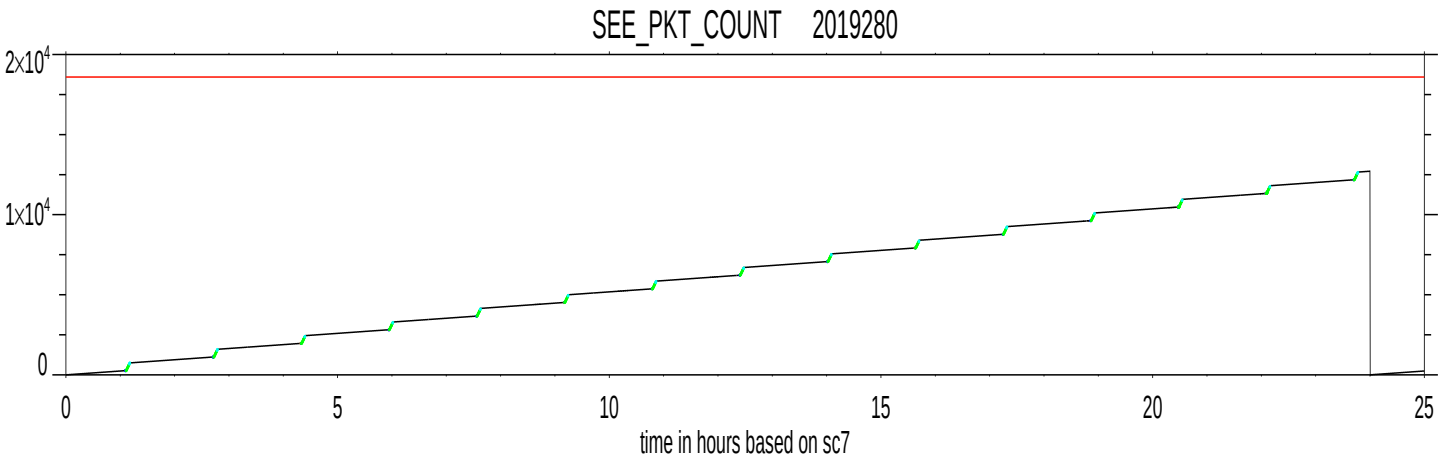
SEE_OP_HTR_CUR 2019280

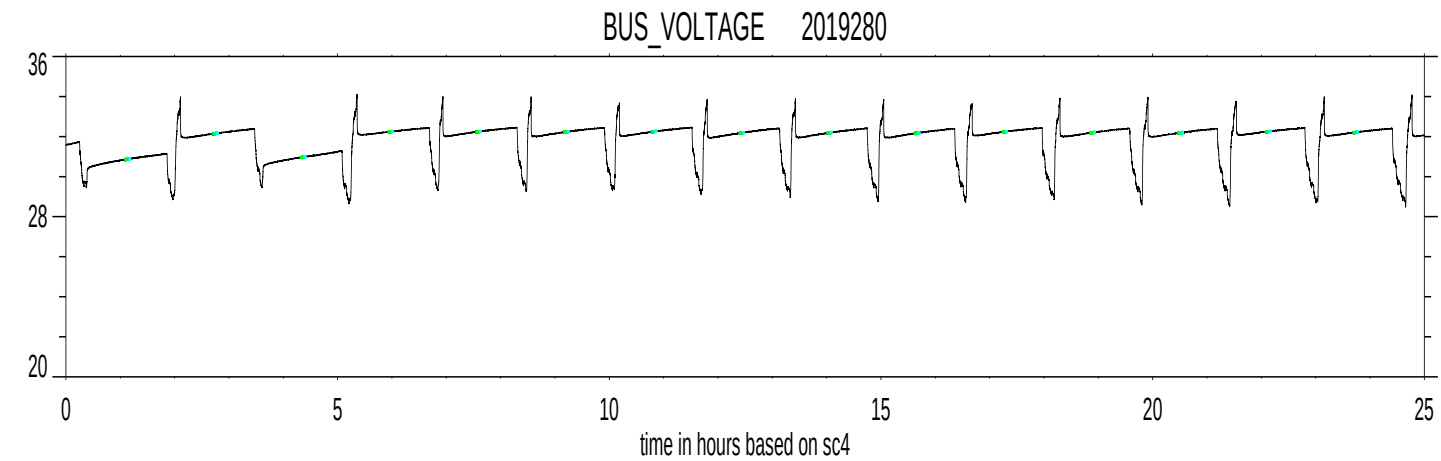


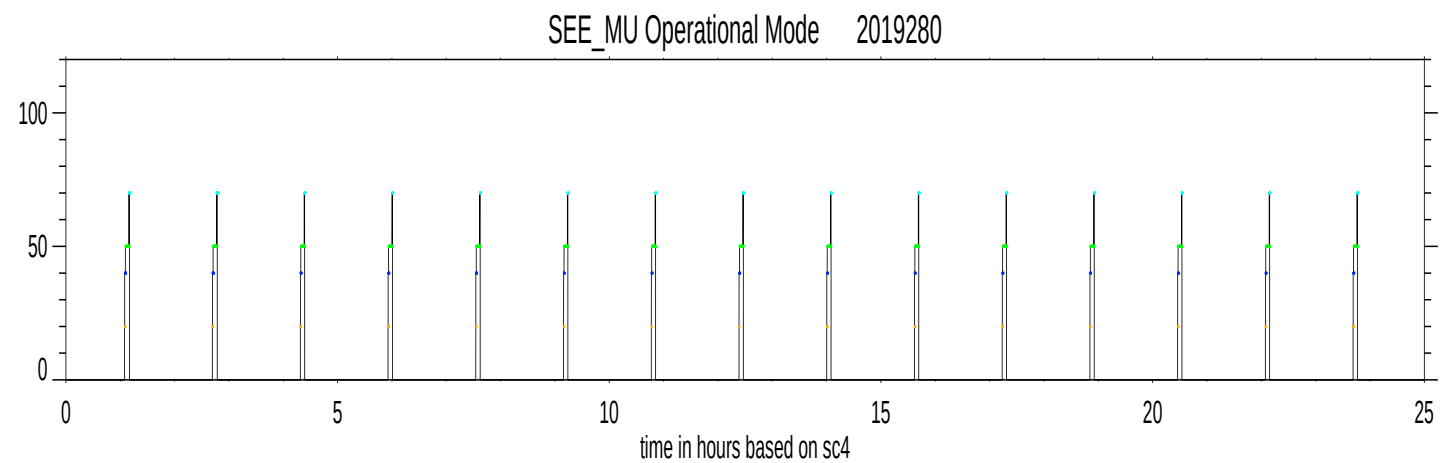
SSPP_BHND_XPS_TEMP 2019280

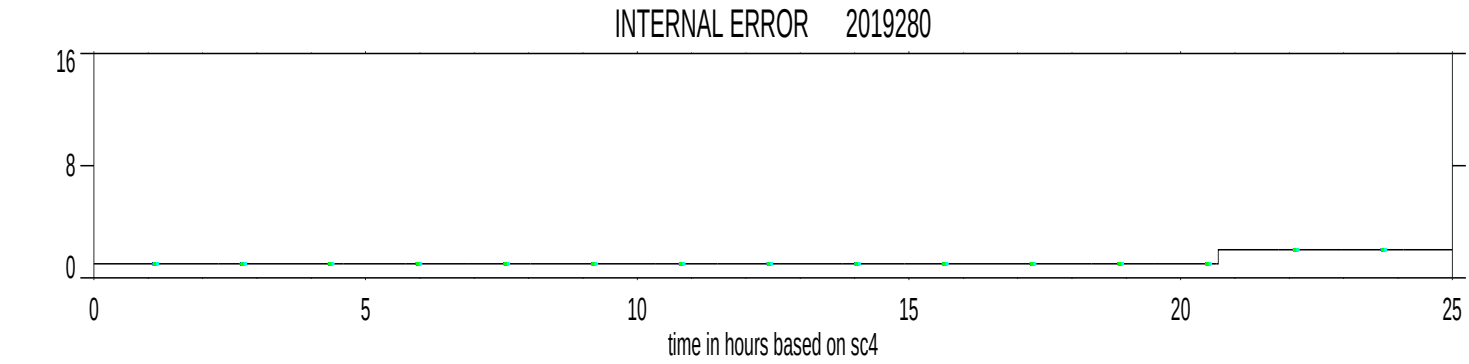


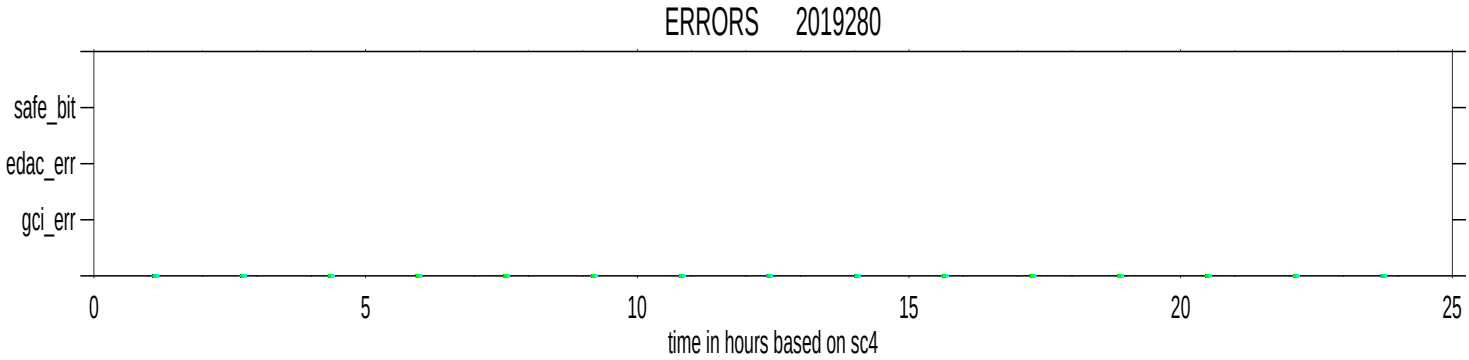

SSPP_BHND_MTR_TEMP 2019280
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

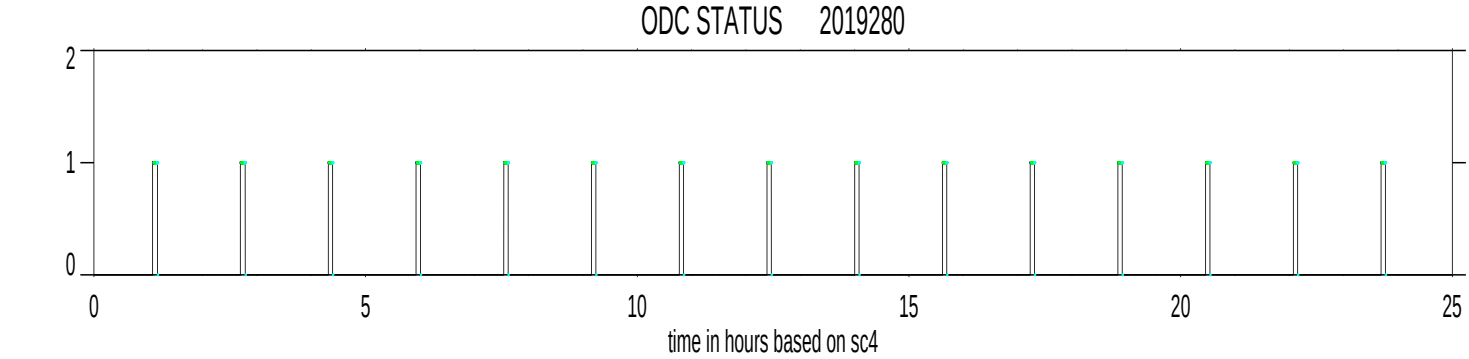

SEE_PKT_COUNT 2019280
2x10^4
1x10^4
0
0
5
10
15
20
25
time in hours based on sc7

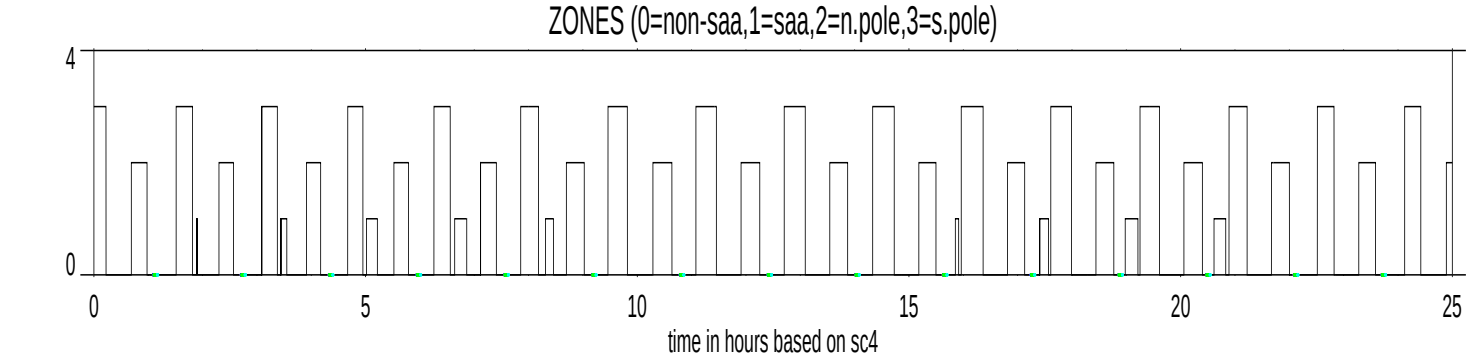

BUS_VOLTAGE 2019280
36
28
20
0
5
10
15
20
25
time in hours based on sc4

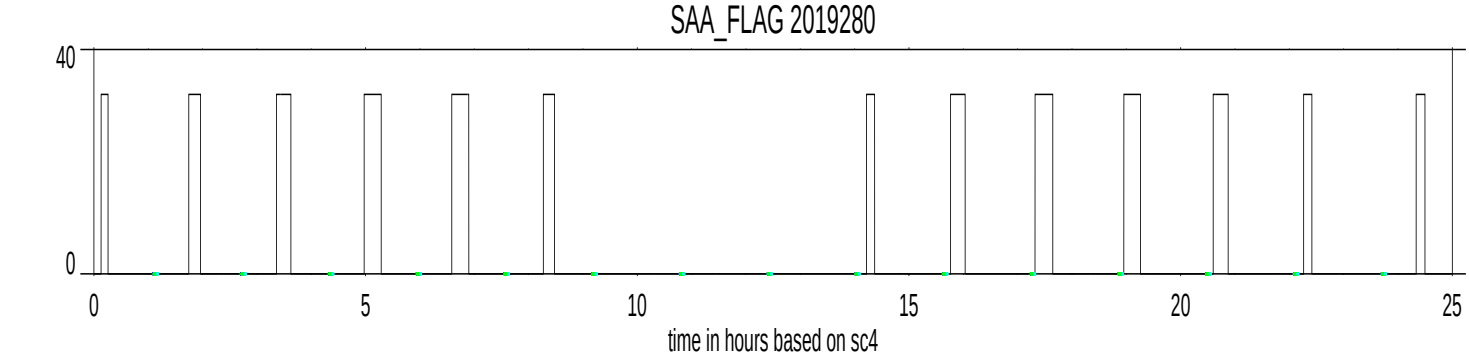

SEE_MU Operational Mode 2019280
100
50
0
0
5
10
15
20
25
time in hours based on sc4

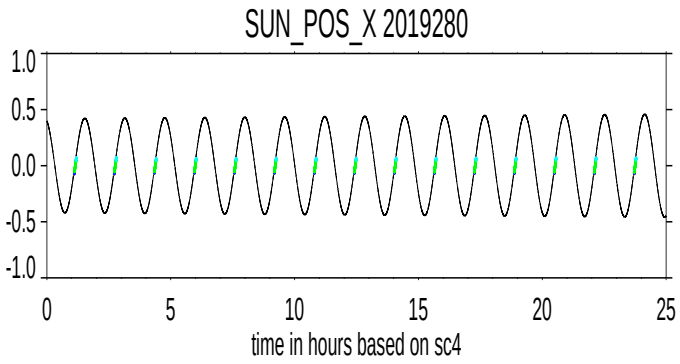

INTERNAL ERROR 2019280
16
8
0
0
5
10
15
20
25
time in hours based on sc4

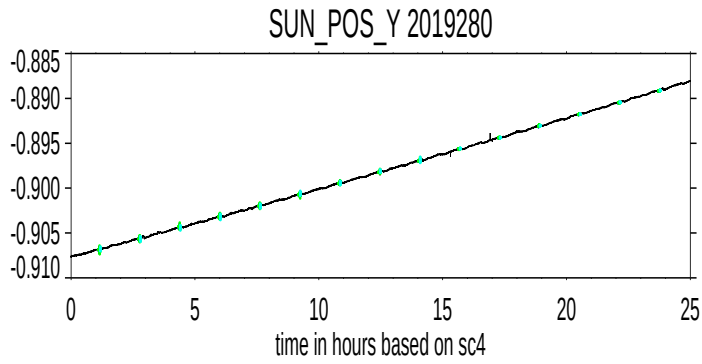

ERRORS 2019280
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

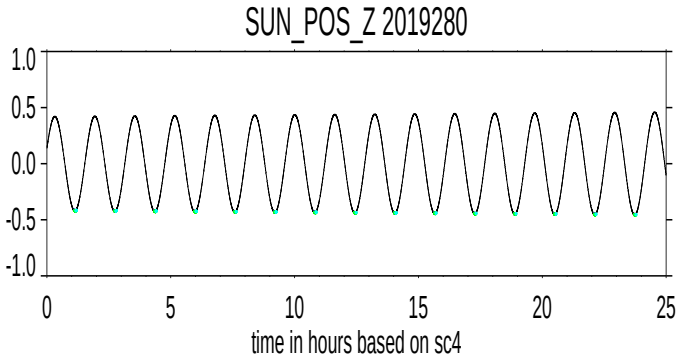

ODC STATUS 2019280
2
1
0
0
5
10
15
20
25
time in hours based on sc4

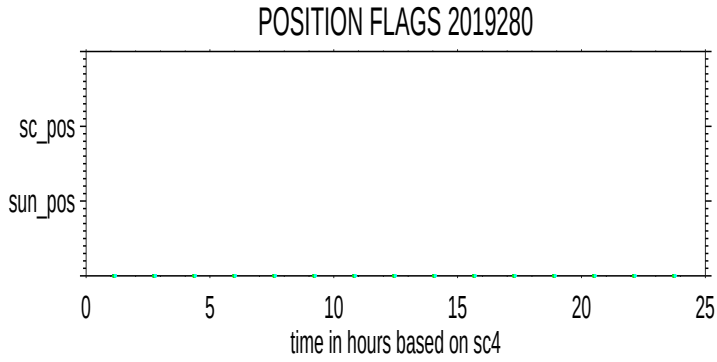

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

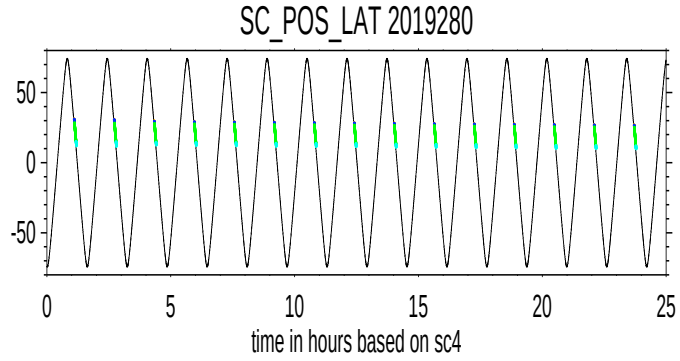

SAA_FLAG 2019280
40
0
0
5
10
15
20
25
time in hours based on sc4

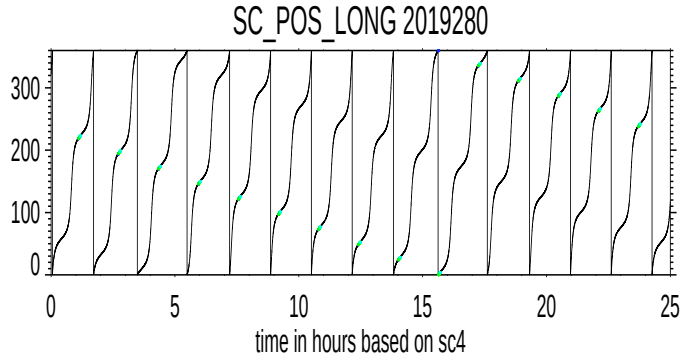

SUN_POS_X 2019280
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

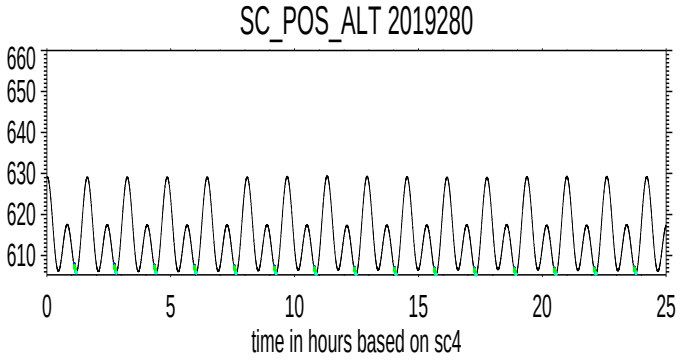

SUN_POS_Y 2019280
-0.885
-0.890
-0.895
-0.900
-0.905
-0.910
0
5
10
15
20
25
time in hours based on sc4

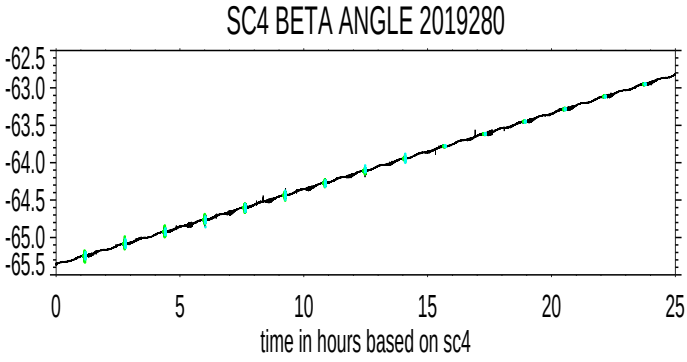

SUN_POS_Z 2019280
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2019280
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2019280
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2019280
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2019280
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2019280
-62.5
-63.0
-63.5
-64.0
-64.5
-65.0
-65.5
0
5
10
15
20
25
time in hours based on sc4