```
Information for      2020213
21:29:58.002: see_stat[1]: 14 internal error
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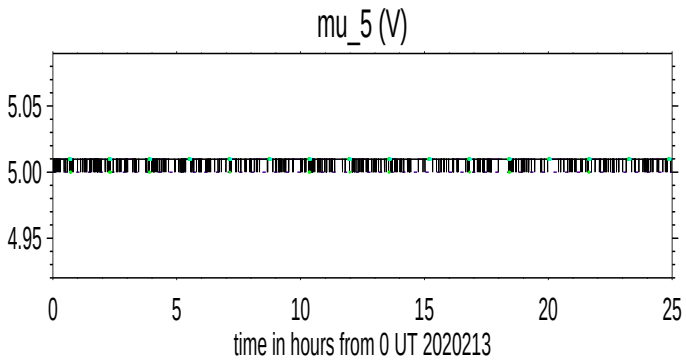
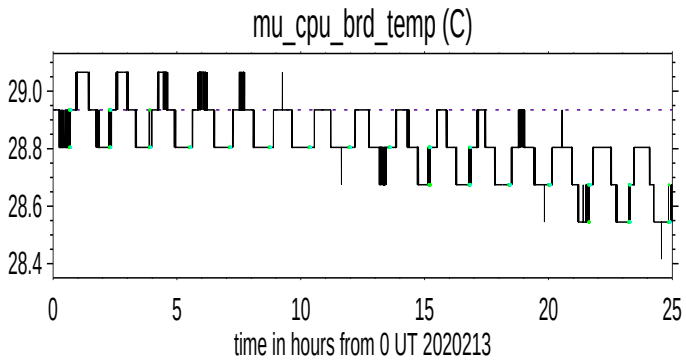
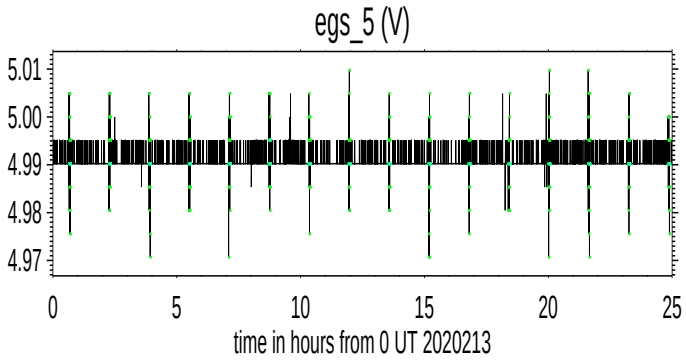
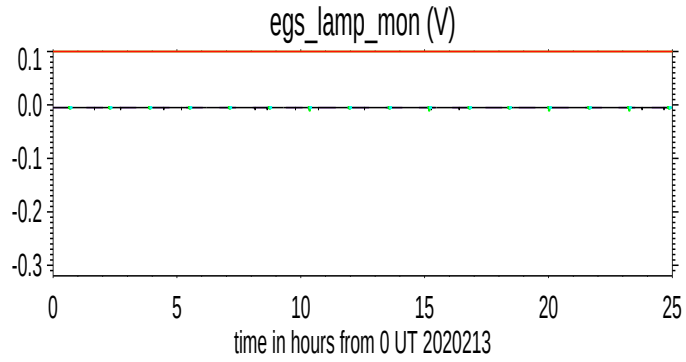
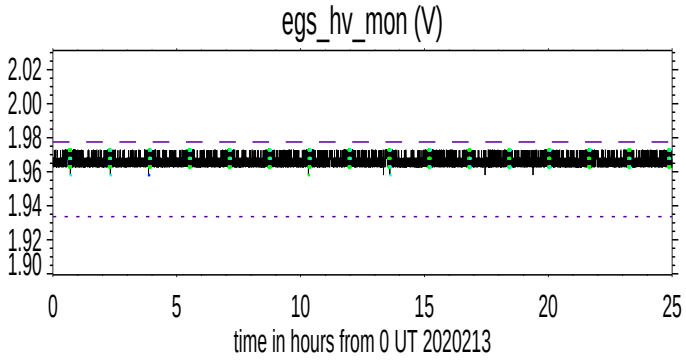
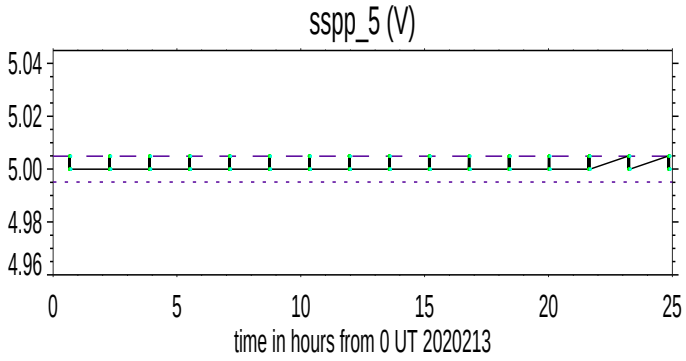

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020213

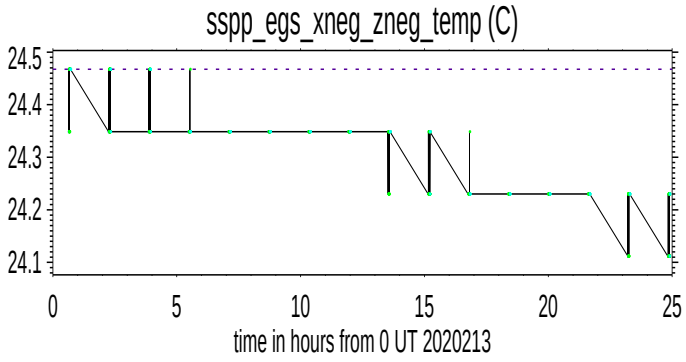

mu_cpu_brd_temp (C)
29.0
28.8
28.6
28.4
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_5 (V)
5.01
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2020213


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 2020213


egs_hv_mon (V)
2.02
2.00
1.98
1.96
1.94
1.92
1.90
0
5
10
15
20
25
time in hours from 0 UT 2020213


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 2020213


sspp_egs_xneg_zneg_temp (C)
24.5
24.4
24.3
24.2
24.1
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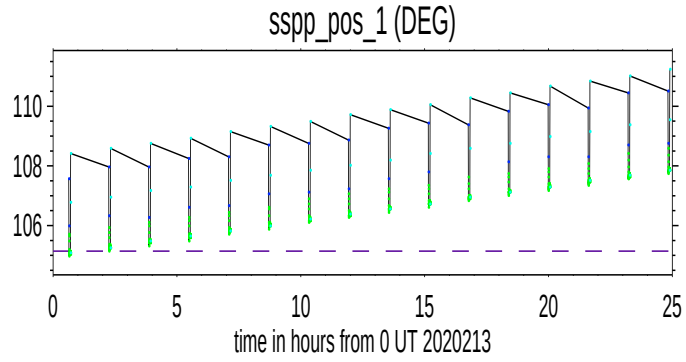
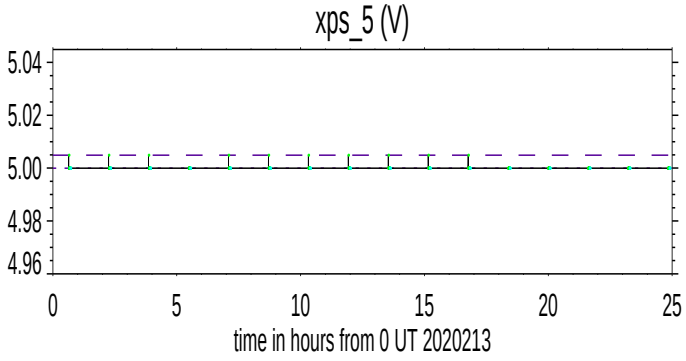
5
10
15
20
25
time in hours from 0 UT 2020213


sspp_pos_1 (DEG)
110
108
106
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_5 (V)
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5.02
5.00
4.98
4.96
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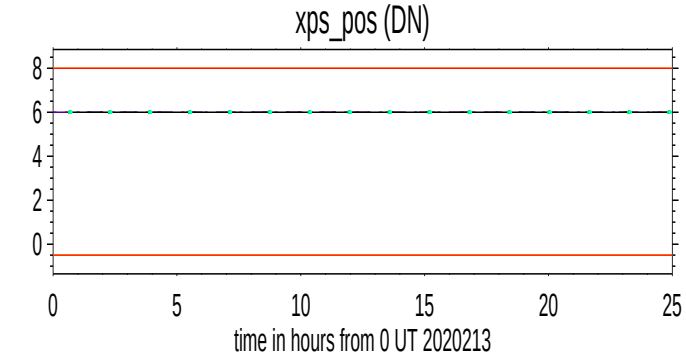
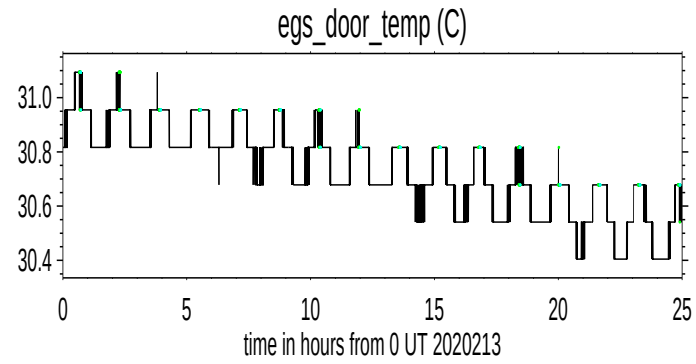
5
10
15
20
25
time in hours from 0 UT 2020213


xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2020213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31.0
30.8
30.6
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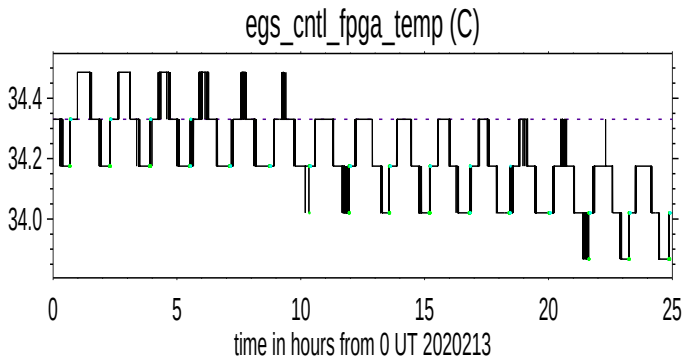
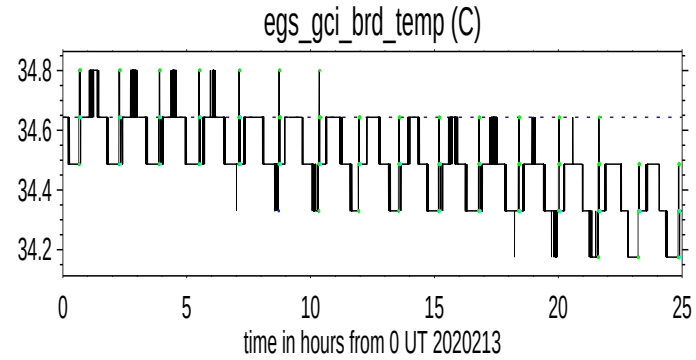
5
10
15
20
25
time in hours from 0 UT 2020213


egs_cntl_fpga_temp (C)
34.4
34.2
34.0
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_gci_brd_temp (C)
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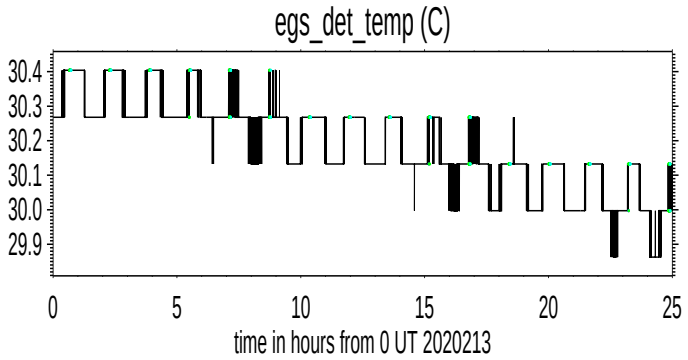
34.6
34.4
34.2
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_det_temp (C)
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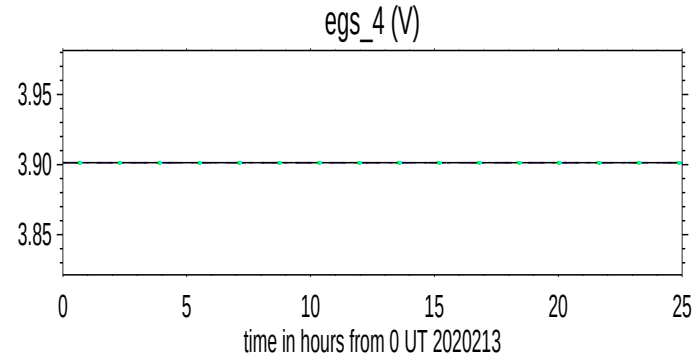
30.2
30.1
30.0
29.9
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_4 (V)
3.95
3.90
3.85
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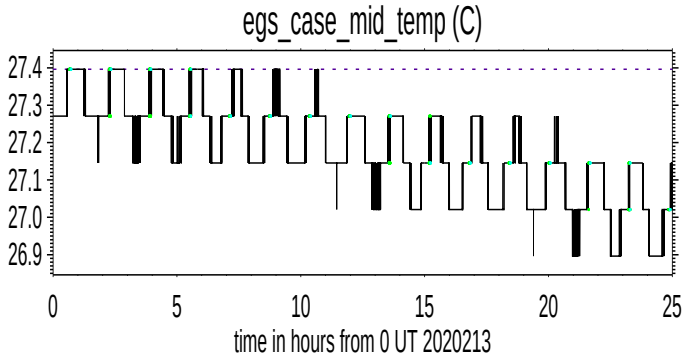
5
10
15
20
25
time in hours from 0 UT 2020213


egs_case_mid_temp (C)
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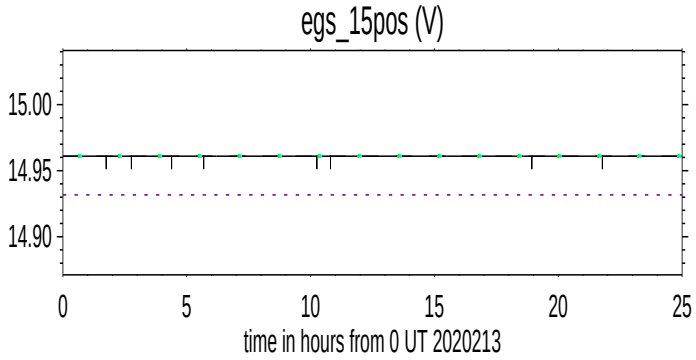
27.2
27.1
27.0
26.9
0
5
10
15
20
25
time in hours from 0 UT 2020213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14.90
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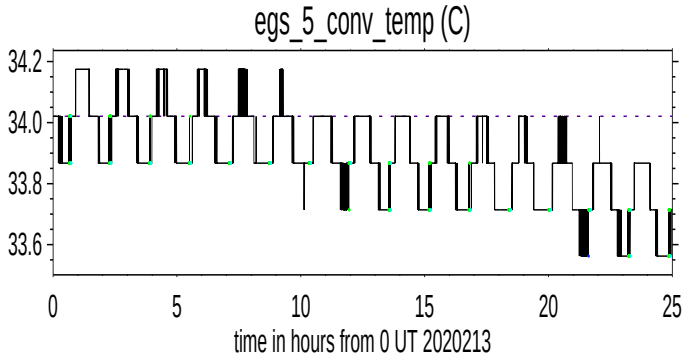
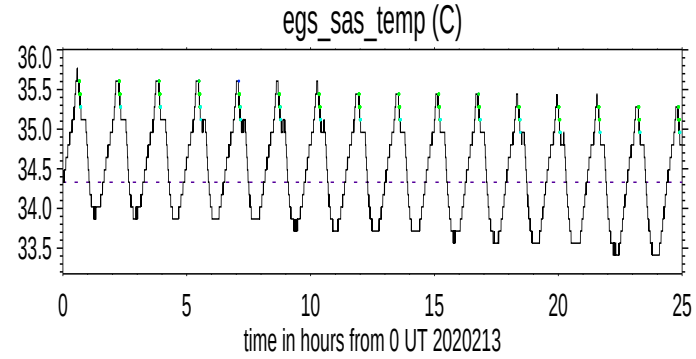
5
10
15
20
25
time in hours from 0 UT 2020213


egs_5_conv_temp (C)
34.2
34.0
33.8
33.6
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_sas_temp (C)
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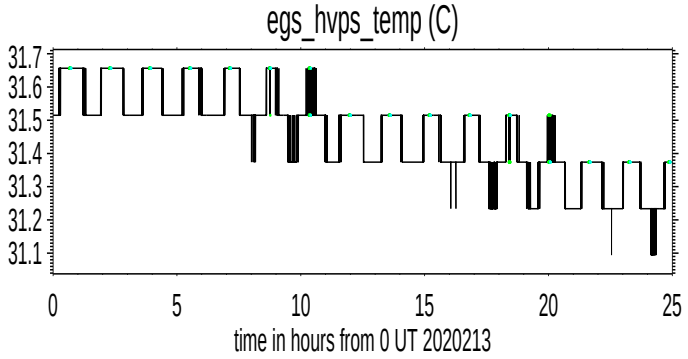
35.0
34.5
34.0
33.5
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_hvps_temp (C)
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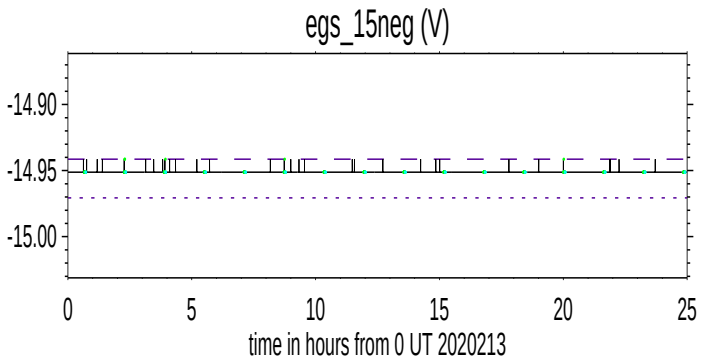
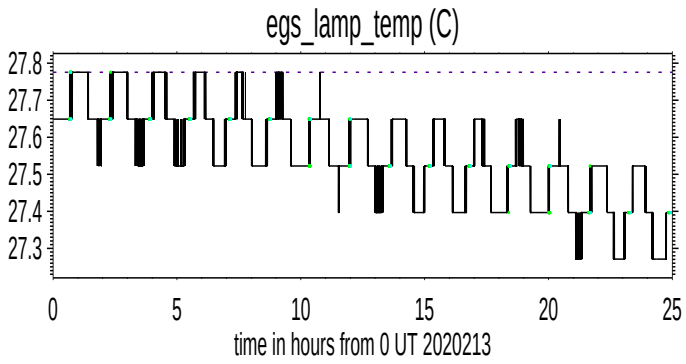
31.6
31.5
31.4
31.3
31.2
31.1
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_lamp_temp (C)
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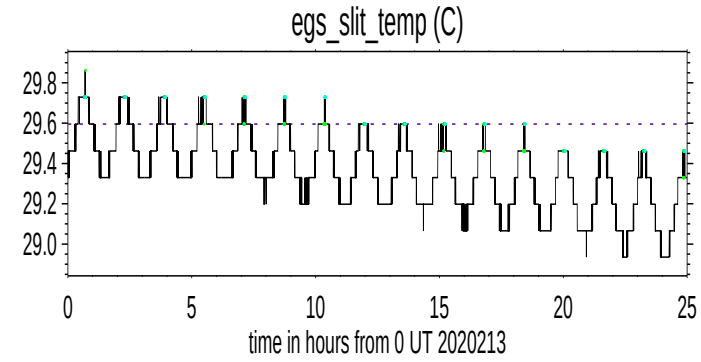
27.6
27.5
27.4
27.3
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_slit_temp (C)
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29.6
29.4
29.2
29.0
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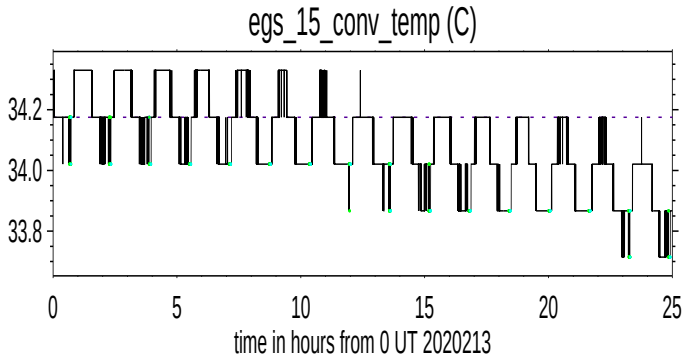
5
10
15
20
25
time in hours from 0 UT 2020213


egs_15_conv_temp (C)
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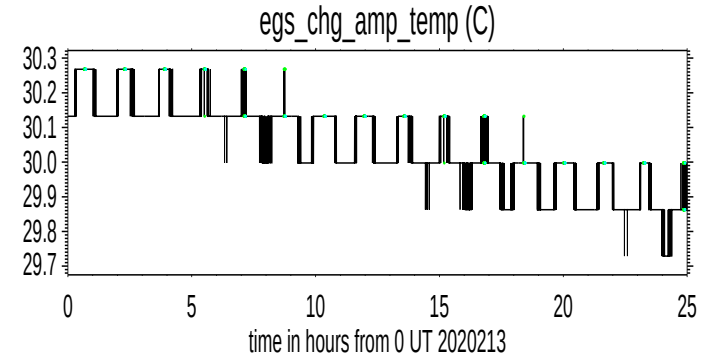
34.0
33.8
0
5
10
15
20
25
time in hours from 0 UT 2020213


egs_chg_amp_temp (C)
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30.2
30.1
30.0
29.9
29.8
29.7
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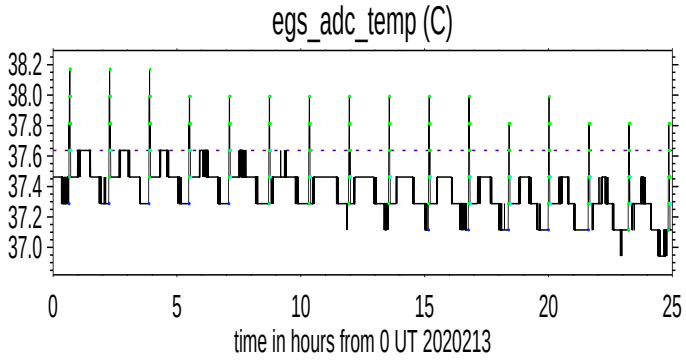
5
10
15
20
25
time in hours from 0 UT 2020213


egs_adc_temp (C)
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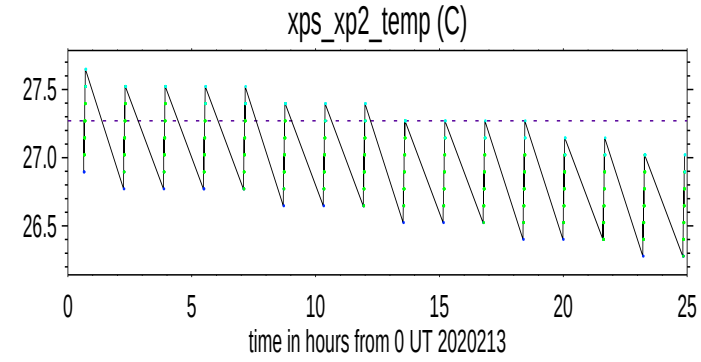
37.8
37.6
37.4
37.2
37.0
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_xp2_temp (C)
27.5
27.0
26.5
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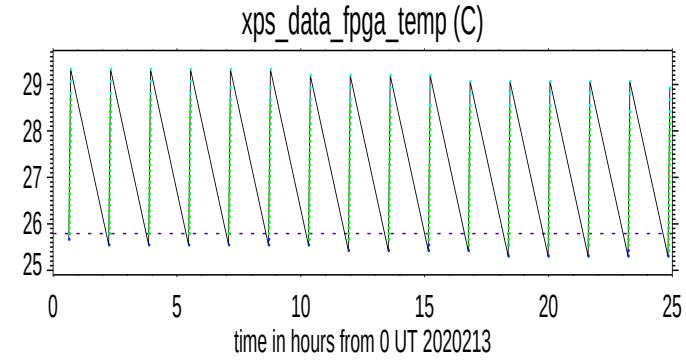
5
10
15
20
25
time in hours from 0 UT 2020213


xps_data_fpga_temp (C)
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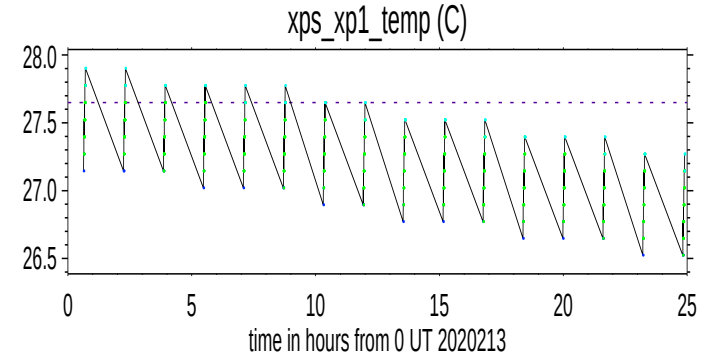
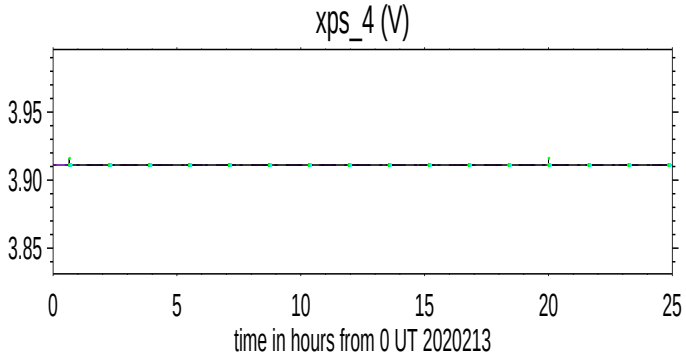
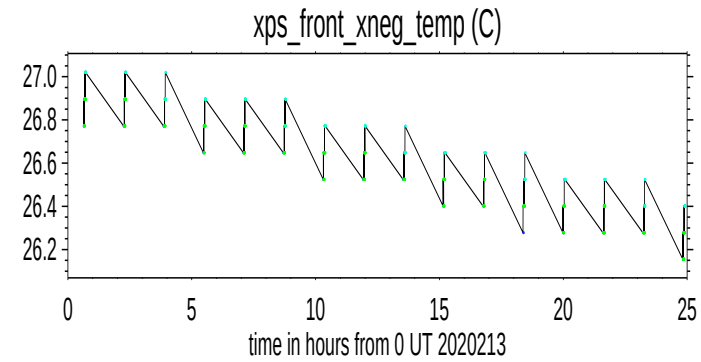
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_xp1_temp (C)
28.0
27.5
27.0
26.5
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_front_xneg_temp (C)
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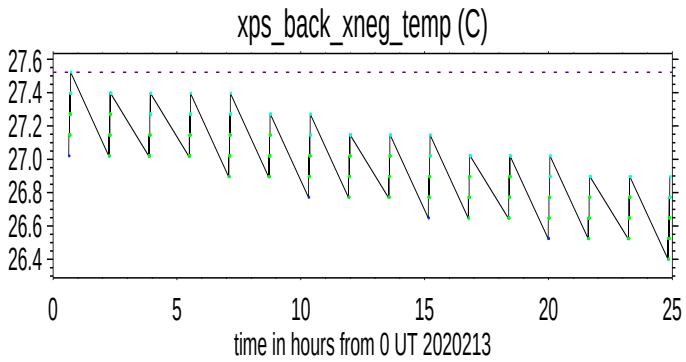
26.8
26.6
26.4
26.2
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_back_xneg_temp (C)
27.6
27.4
27.2
27.0
26.8
26.6
26.4
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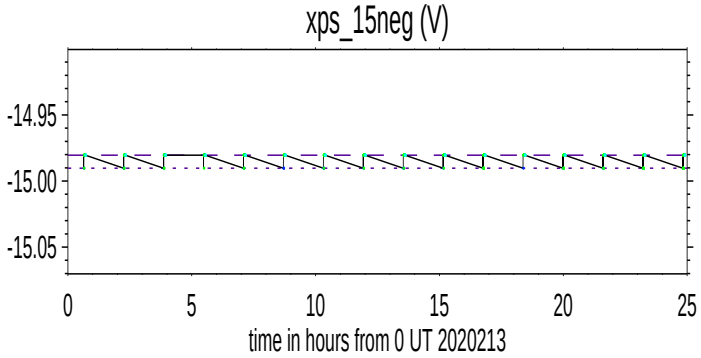
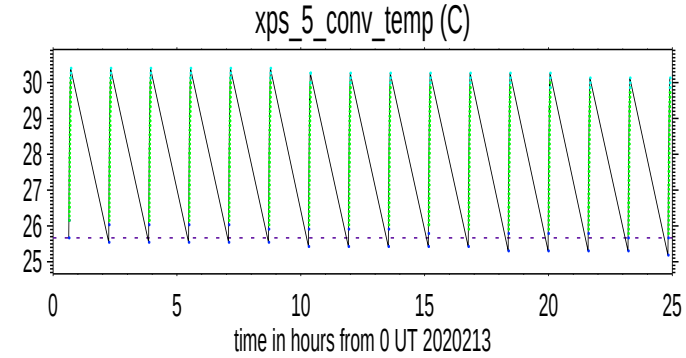
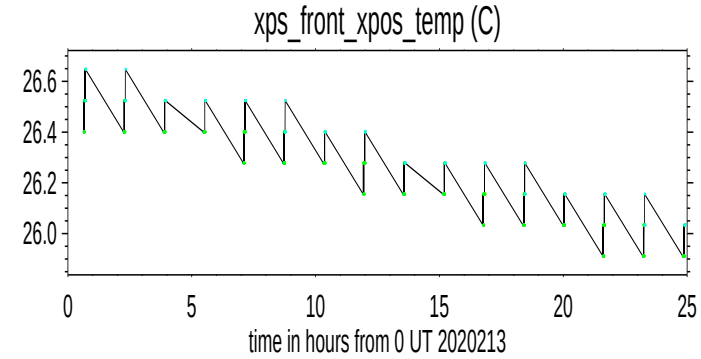
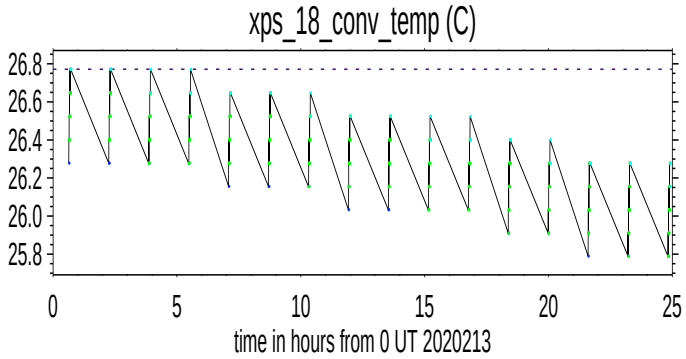
5
10
15
20
25
time in hours from 0 UT 2020213


xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_5_conv_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_front_xpos_temp (C)
26.6
26.4
26.2
26.0
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_18_conv_temp (C)
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26.4
26.2
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25.8
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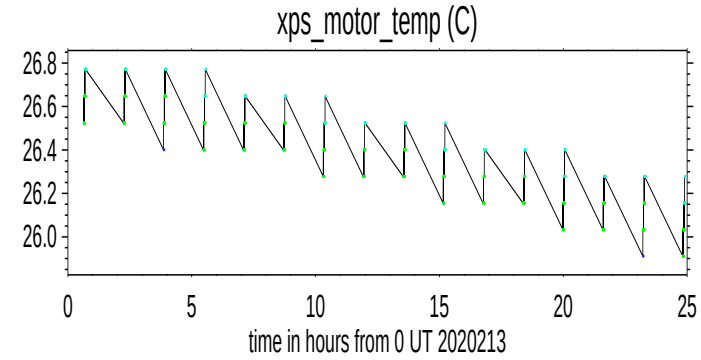
5
10
15
20
25
time in hours from 0 UT 2020213


xps_motor_temp (C)
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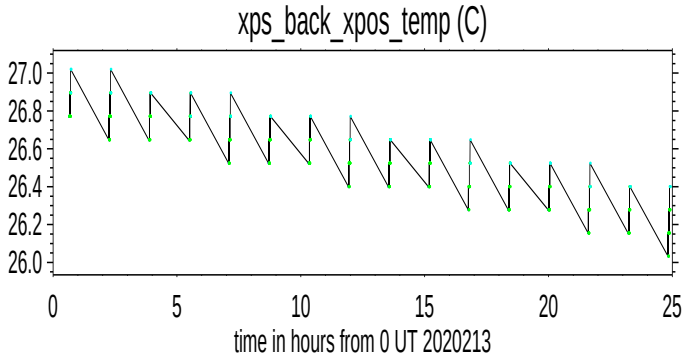
26.6
26.4
26.2
26.0
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_back_xpos_temp (C)
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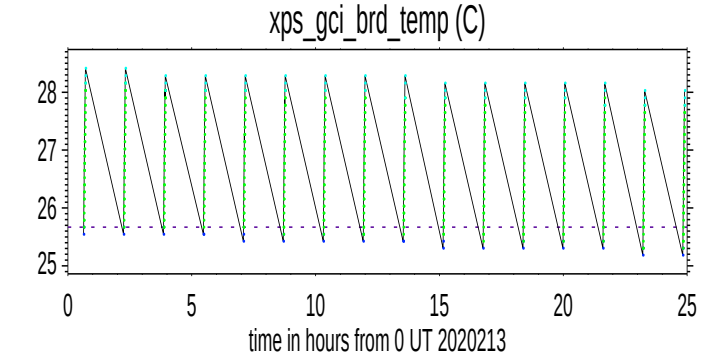
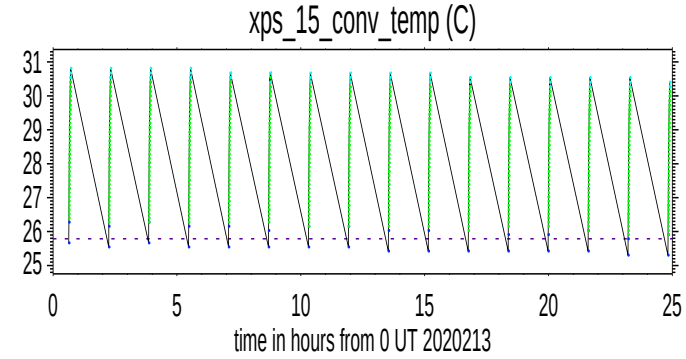
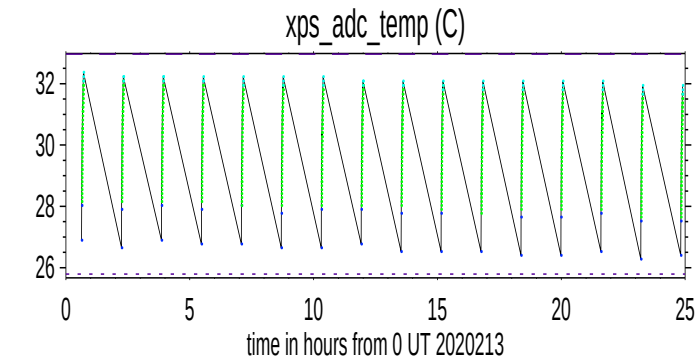
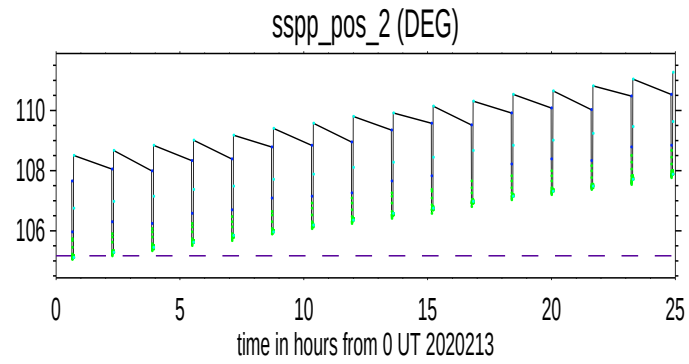
26.6
26.4
26.2
26.0
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_gci_brd_temp (C)
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_15_conv_temp (C)
31
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213


xps_adc_temp (C)
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2020213


sspp_pos_2 (DEG)
110
108
106
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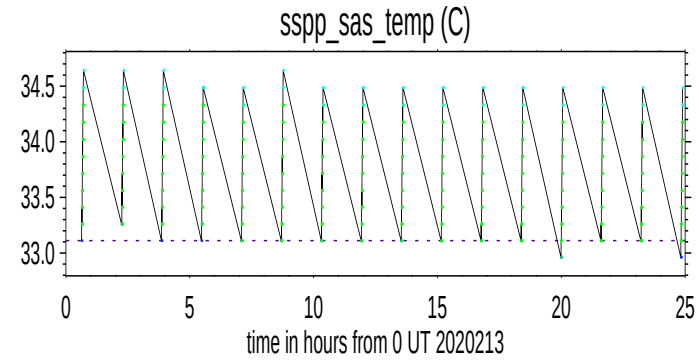
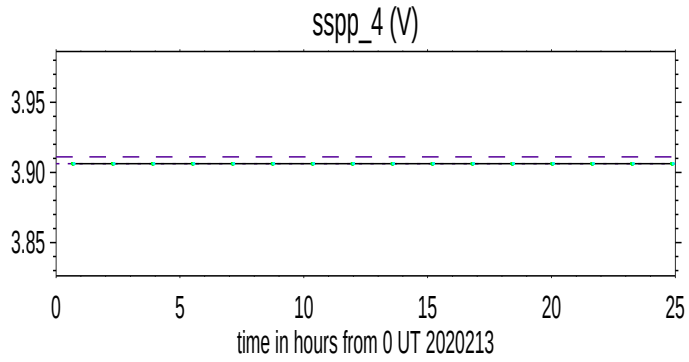
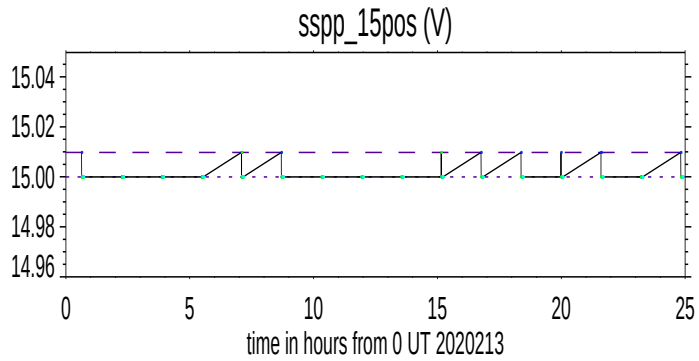
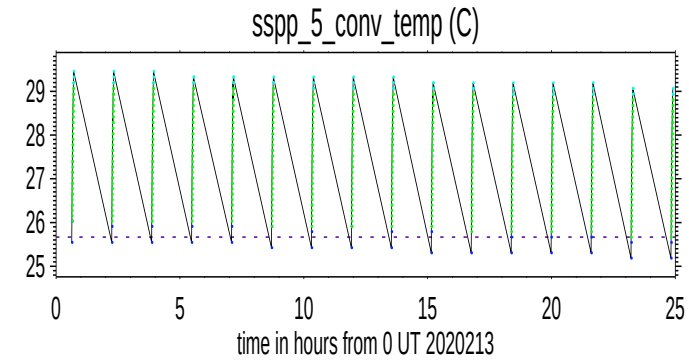
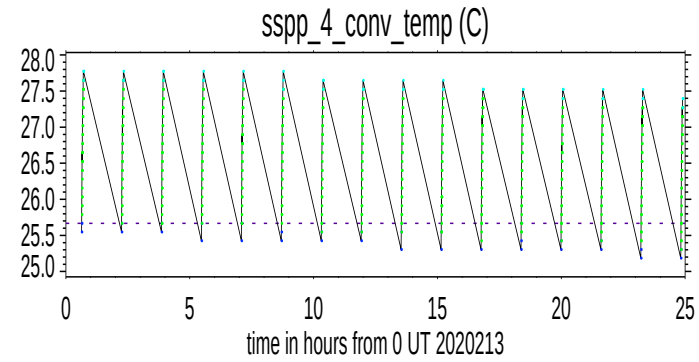
5
10
15
20
25
time in hours from 0 UT 2020213

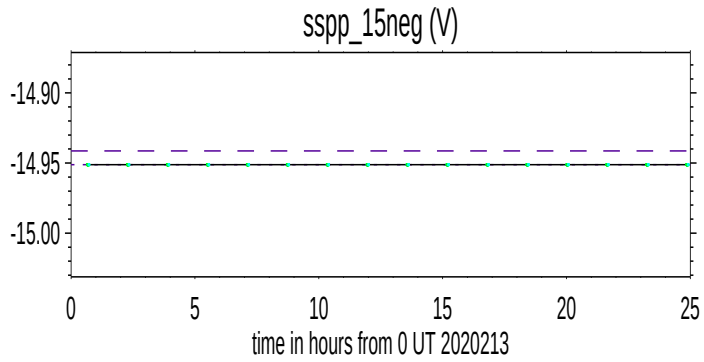

sspp_sas_temp (C)
34.5
34.0
33.5
33.0
0
5
10
15
20
25
time in hours from 0 UT 2020213

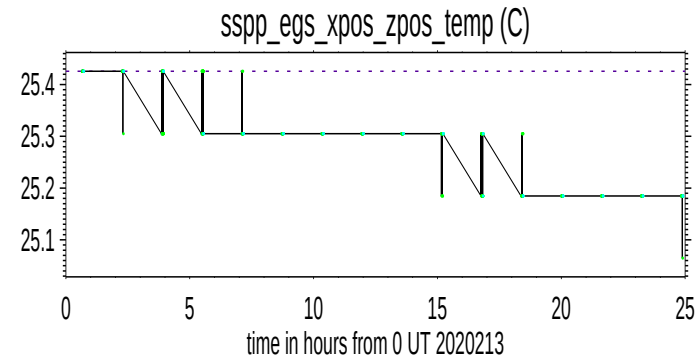

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020213

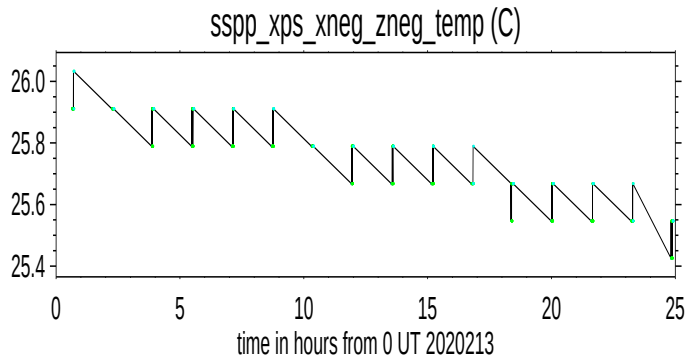

sspp_15pos (V)
15.04
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2020213

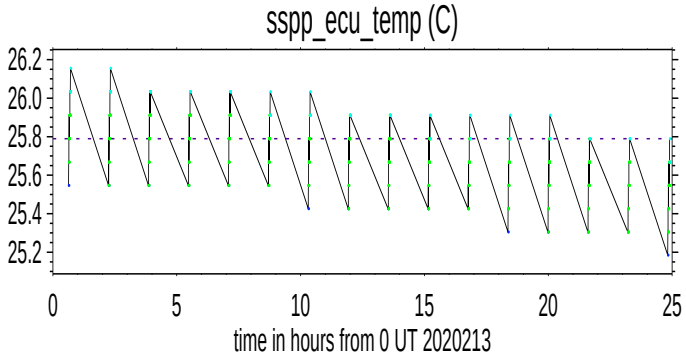

sspp_5_conv_temp (C)
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213

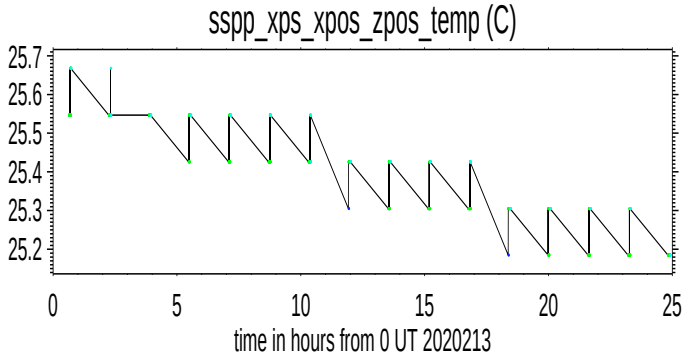

sspp_4_conv_temp (C)
28.0
27.5
27.0
26.5
26.0
25.5
25.0
0
5
10
15
20
25
time in hours from 0 UT 2020213

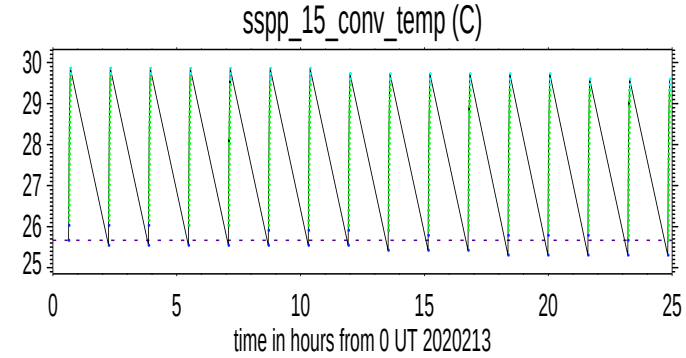

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020213

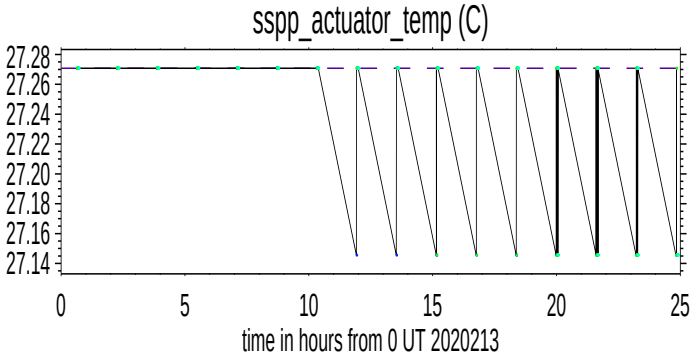

sspp_egs_xpos_zpos_temp (C)
25.4
25.3
25.2
25.1
0
5
10
15
20
25
time in hours from 0 UT 2020213

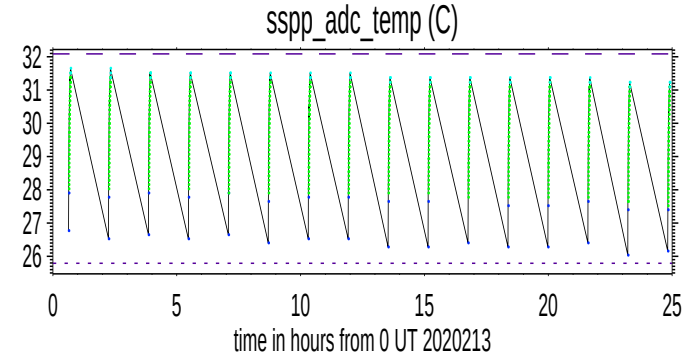

sspp_xps_xneg_zneg_temp (C)
26.0
25.8
25.6
25.4
0
5
10
15
20
25
time in hours from 0 UT 2020213

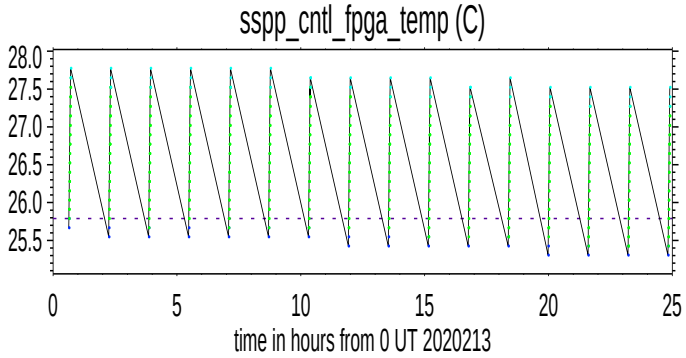

sspp_ecu_temp (C)
26.2
26.0
25.8
25.6
25.4
25.2
0
5
10
15
20
25
time in hours from 0 UT 2020213

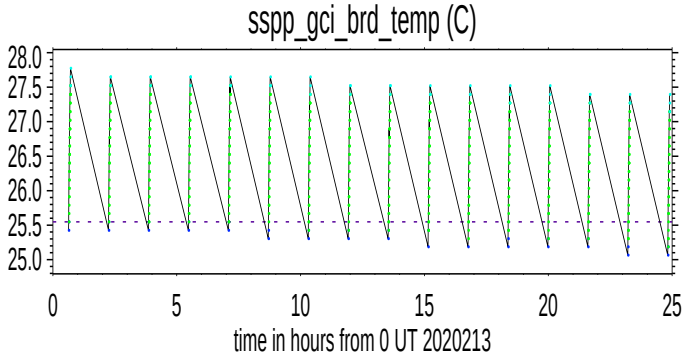

sspp_xps_xpos_zpos_temp (C)
25.7
25.6
25.5
25.4
25.3
25.2
0
5
10
15
20
25
time in hours from 0 UT 2020213

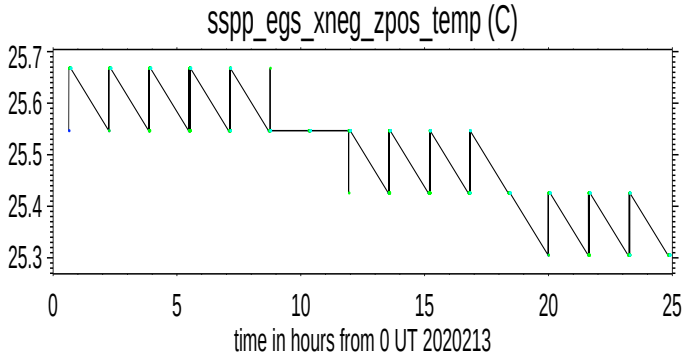

sspp_15_conv_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020213

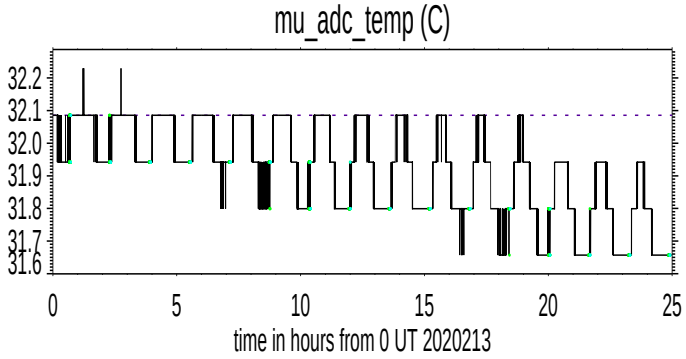

sspp_actuator_temp (C)
27.28
27.26
27.24
27.22
27.20
27.18
27.16
27.14
0
5
10
15
20
25
time in hours from 0 UT 2020213

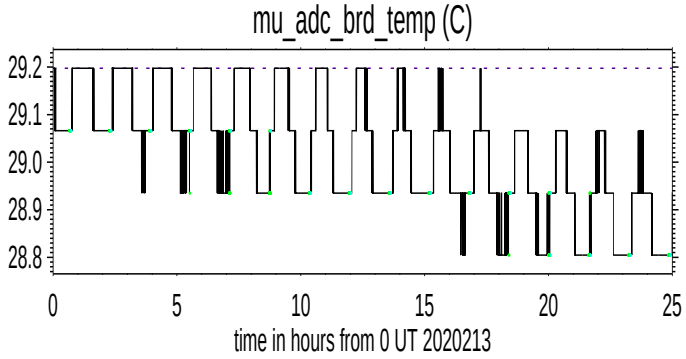

sspp_adc_temp (C)
32
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020213

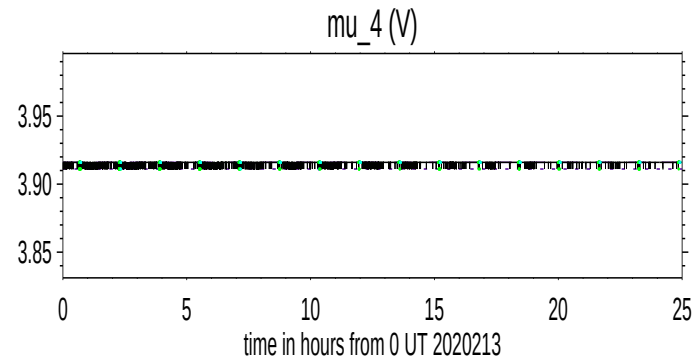

sspp_cntl_fpga_temp (C)
28.0
27.5
27.0
26.5
26.0
25.5
0
5
10
15
20
25
time in hours from 0 UT 2020213

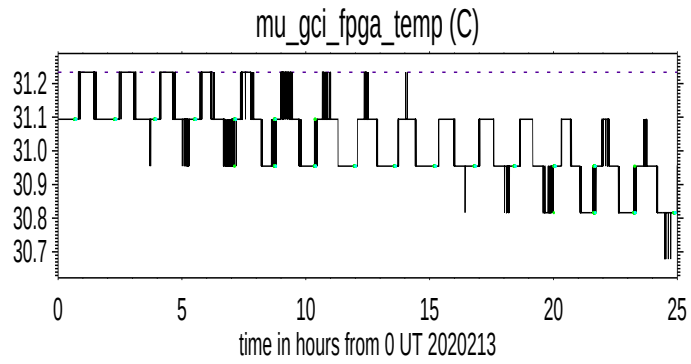

sspp_gci_brd_temp (C)
28.0
27.5
27.0
26.5
26.0
25.5
25.0
0
5
10
15
20
25
time in hours from 0 UT 2020213

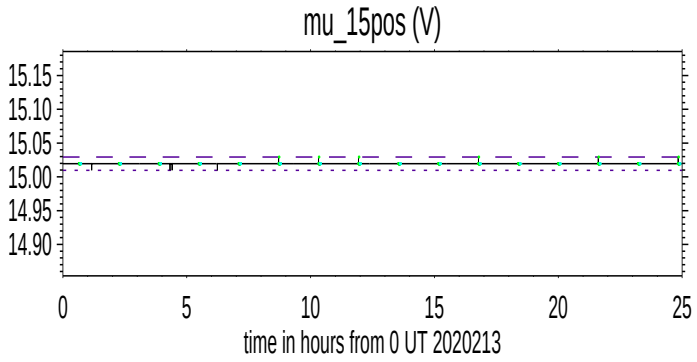

sspp_egs_xneg_zpos_temp (C)
25.7
25.6
25.5
25.4
25.3
0
5
10
15
20
25
time in hours from 0 UT 2020213

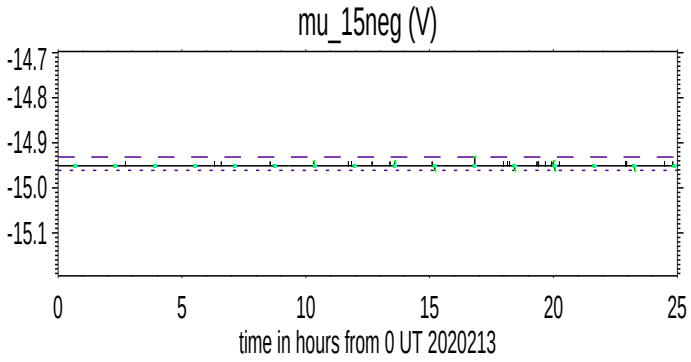

mu_adc_temp (C)
32.2
32.1
32.0
31.9
31.8
31.7
31.6
0
5
10
15
20
25
time in hours from 0 UT 2020213

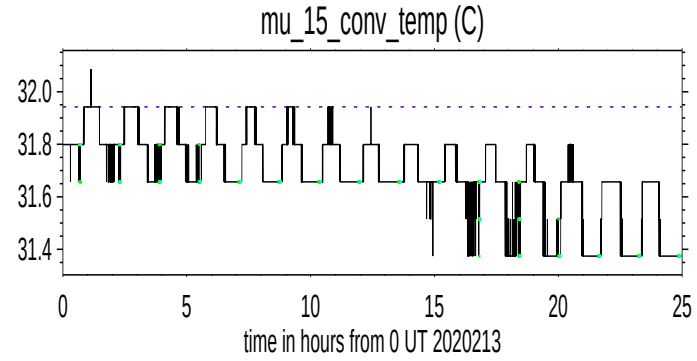

mu_adc_brd_temp (C)
29.2
29.1
29.0
28.9
28.8
0
5
10
15
20
25
time in hours from 0 UT 2020213

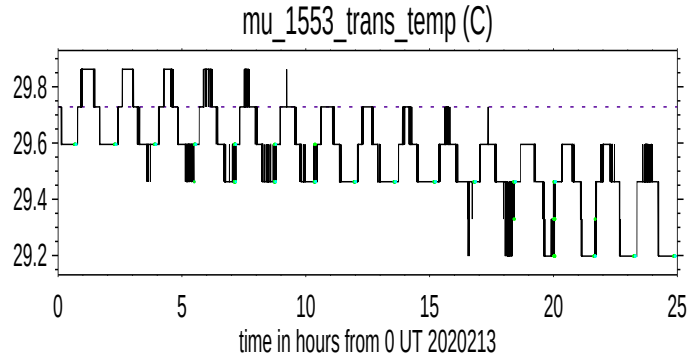

mu_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020213

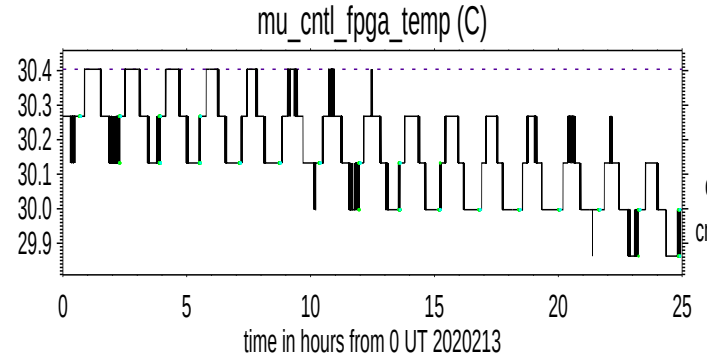

mu_gci_fpga_temp (C)
31.2
31.1
31.0
30.9
30.8
30.7
0
5
10
15
20
25
time in hours from 0 UT 2020213

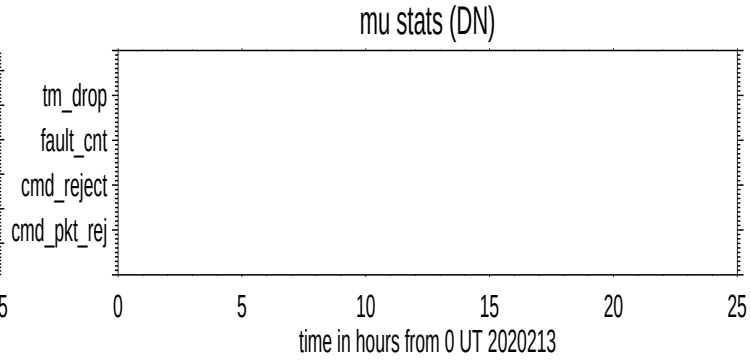

mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020213

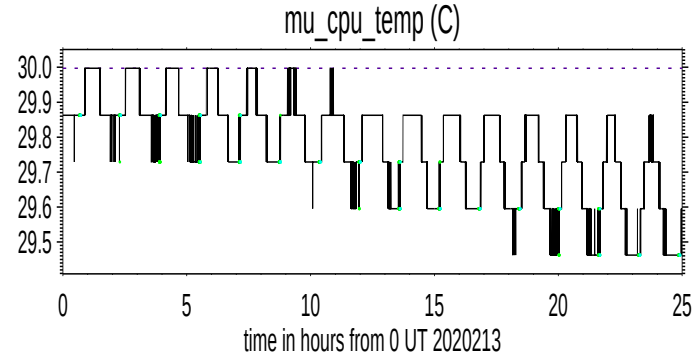

mu_15neg (V)
-14.7
-14.8
-14.9
-15.0
-15.1
0
5
10
15
20
25
time in hours from 0 UT 2020213

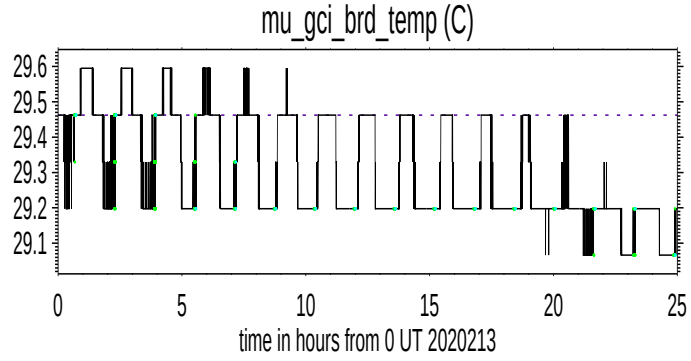

mu_15_conv_temp (C)
32.0
31.8
31.6
31.4
0
5
10
15
20
25
time in hours from 0 UT 2020213

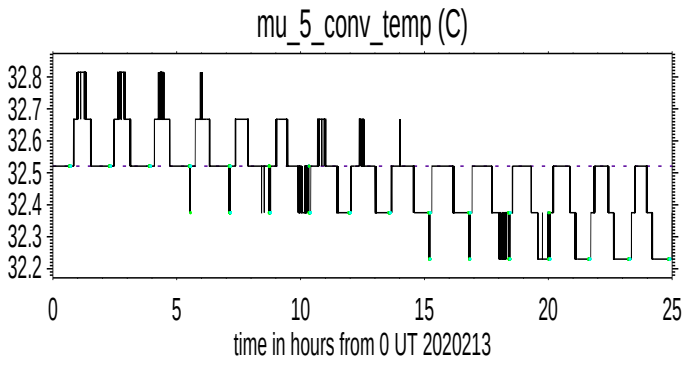

mu_1553_trans_temp (C)
29.8
29.6
29.4
29.2
0
5
10
15
20
25
time in hours from 0 UT 2020213

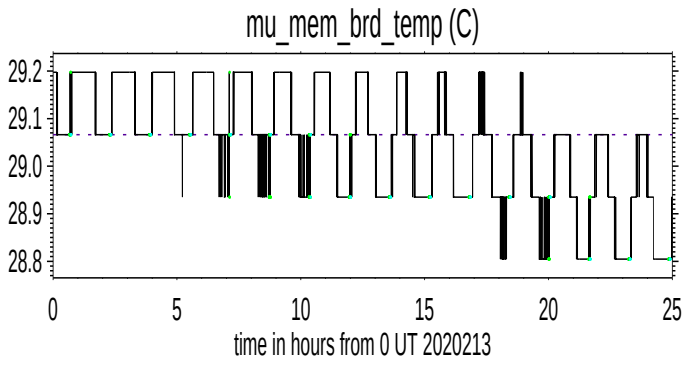

mu_cntl_fpga_temp (C)
30.4
30.3
30.2
30.1
30.0
29.9
0
5
10
15
20
25
time in hours from 0 UT 2020213

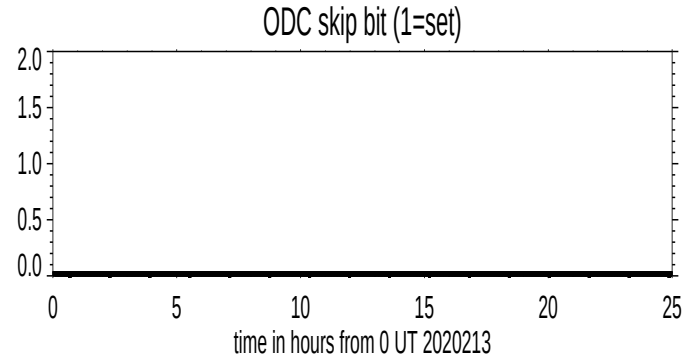

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2020213

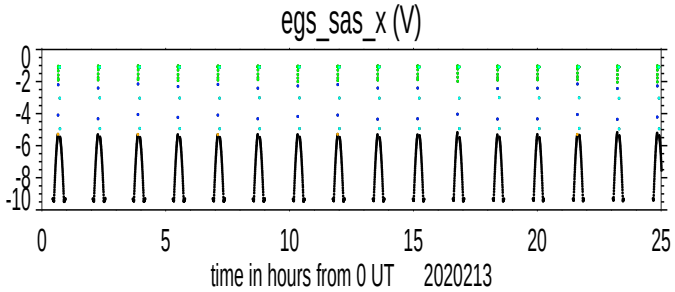

mu_cpu_temp (C)
30.0
29.9
29.8
29.7
29.6
29.5
0
5
10
15
20
25
time in hours from 0 UT 2020213

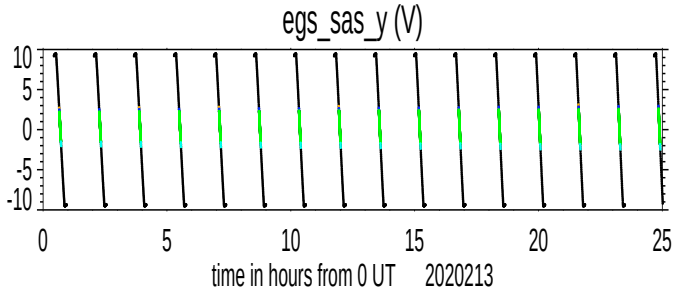

mu_gci_brd_temp (C)
29.6
29.5
29.4
29.3
29.2
29.1
0
5
10
15
20
25
time in hours from 0 UT 2020213

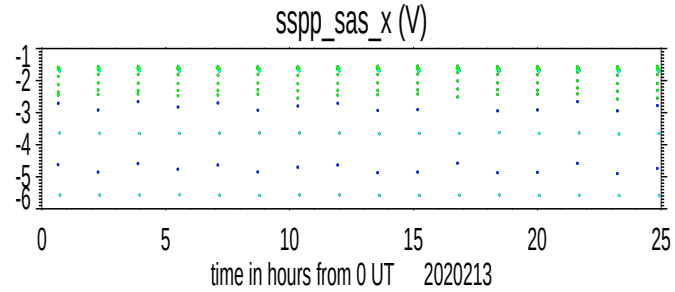

mu_5_conv_temp (C)
32.8
32.7
32.6
32.5
32.4
32.3
32.2
0
5
10
15
20
25
time in hours from 0 UT 2020213

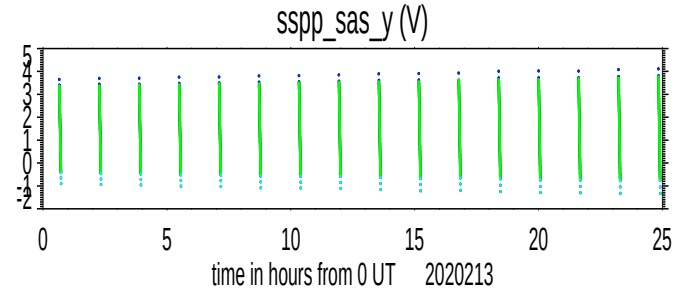

mu_mem_brd_temp (C)
29.2
29.1
29.0
28.9
28.8
0
5
10
15
20
25
time in hours from 0 UT 2020213

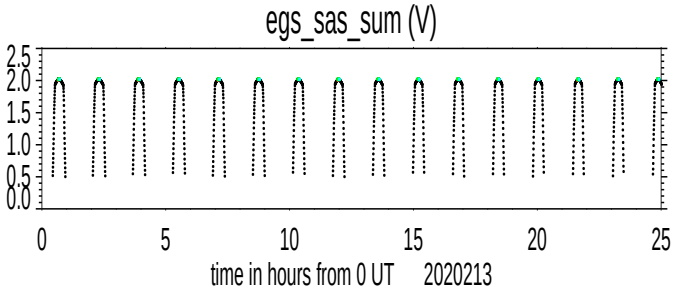

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020213

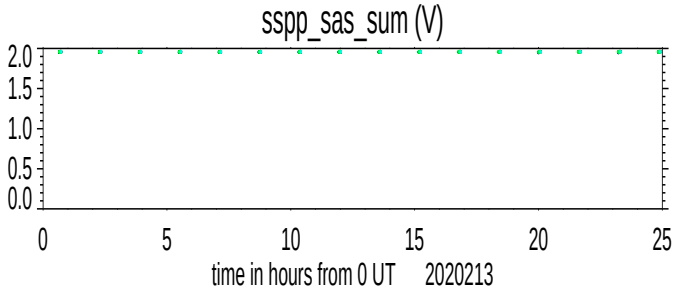

egs_sas_x (V)
time in hours from 0 UT 2020213

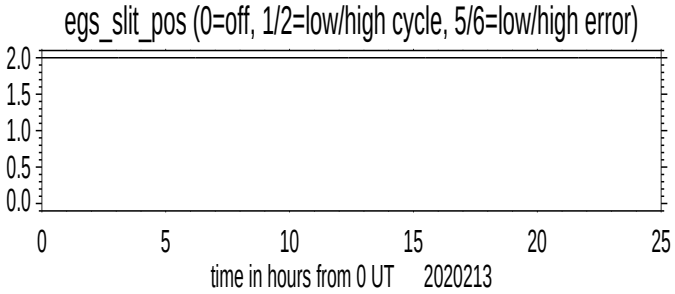

egs_sas_y (V)
time in hours from 0 UT 2020213

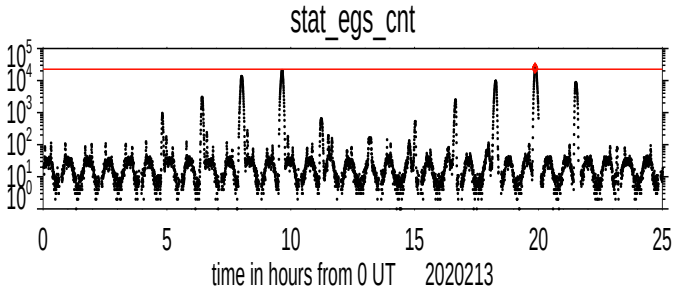

sspp_sas_x (V)
time in hours from 0 UT 2020213

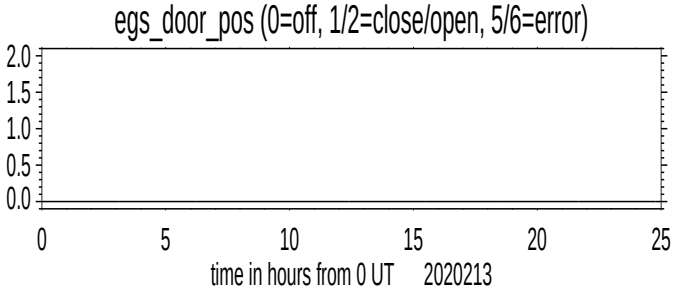

sspp_sas_y (V)
time in hours from 0 UT 2020213

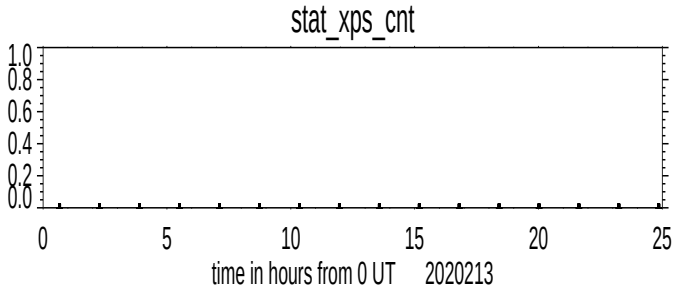

egs_sas_sum (V)
time in hours from 0 UT 2020213

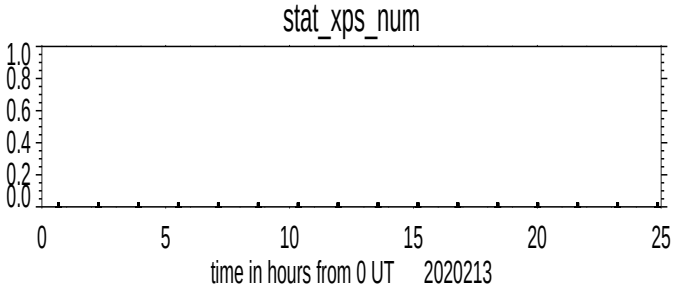

sspp_sas_sum (V)
time in hours from 0 UT 2020213

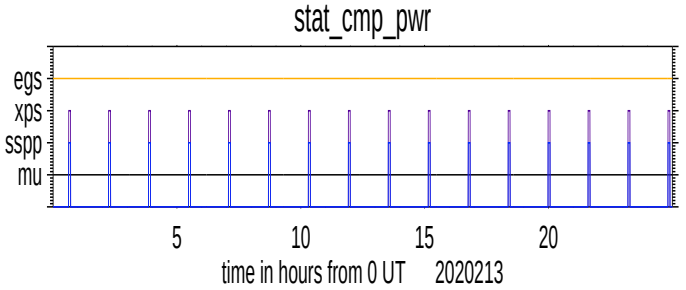

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020213


stat_egs_cnt
time in hours from 0 UT 2020213

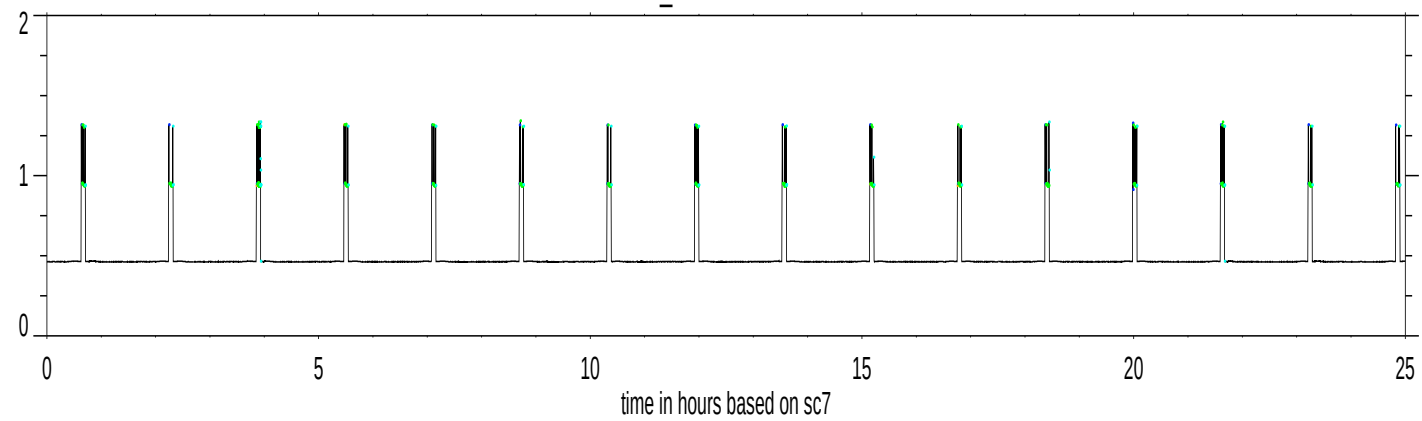

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020213


stat_xps_cnt
time in hours from 0 UT 2020213

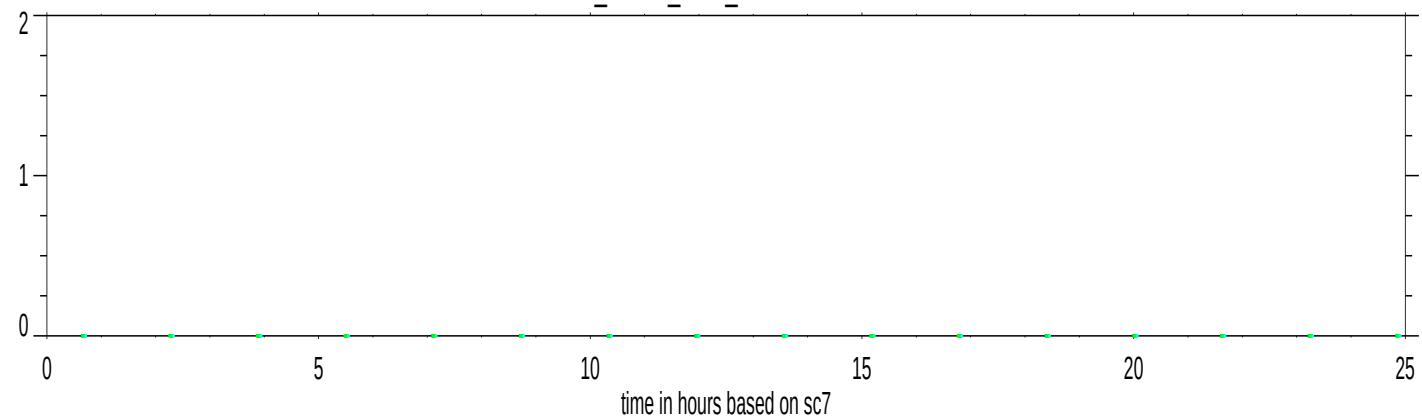

stat_xps_num
time in hours from 0 UT 2020213


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020213

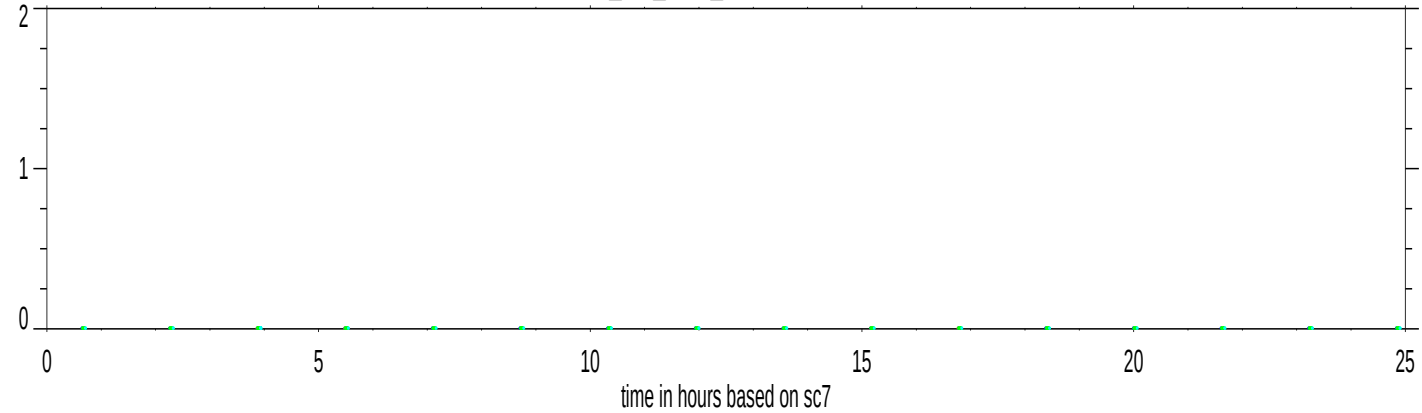
SEE_CUR 2020213



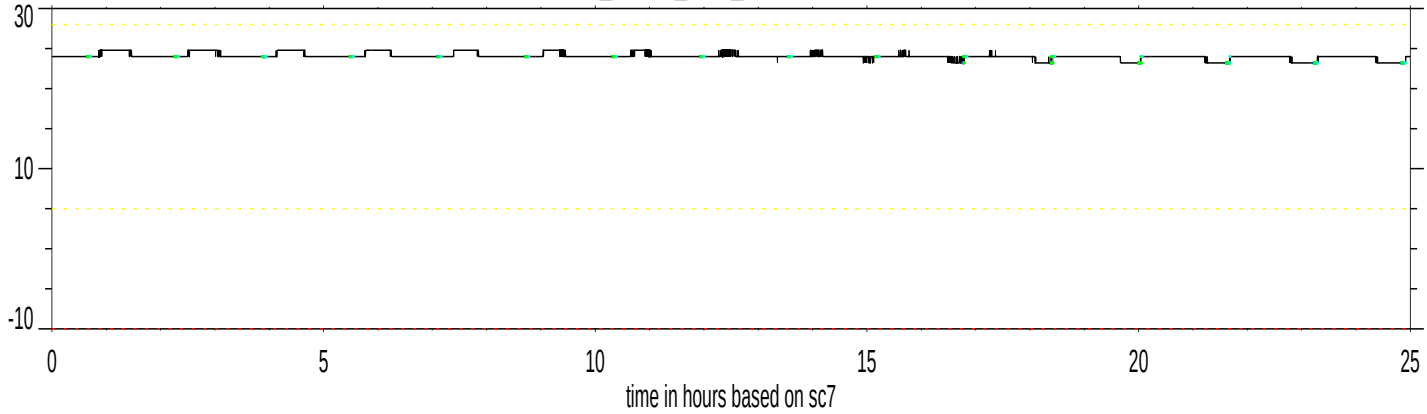
SEE_SURV_HTR_CUR 2020213



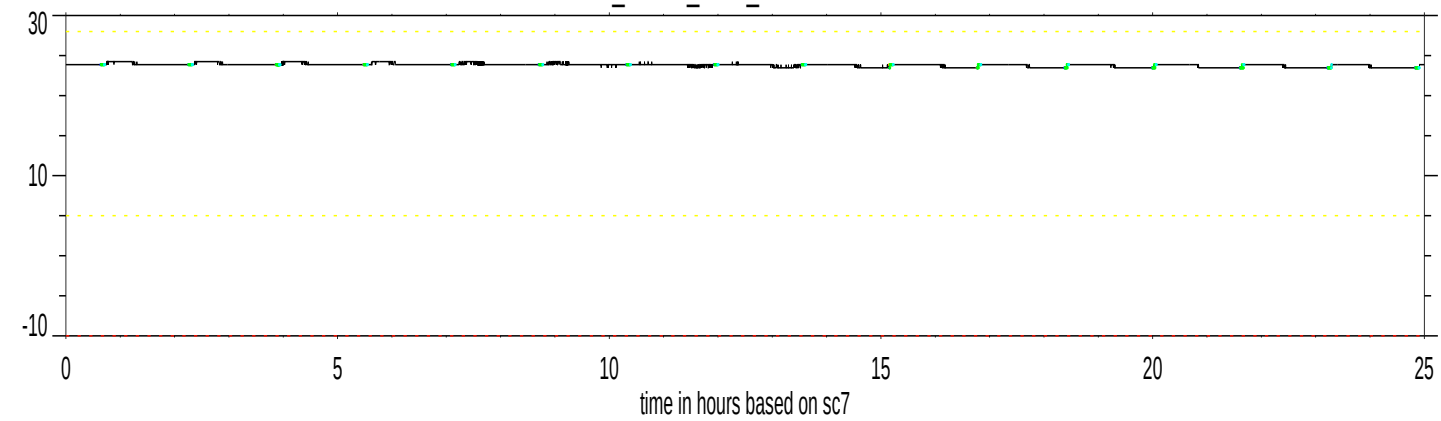
SEE_OP_HTR_CUR 2020213



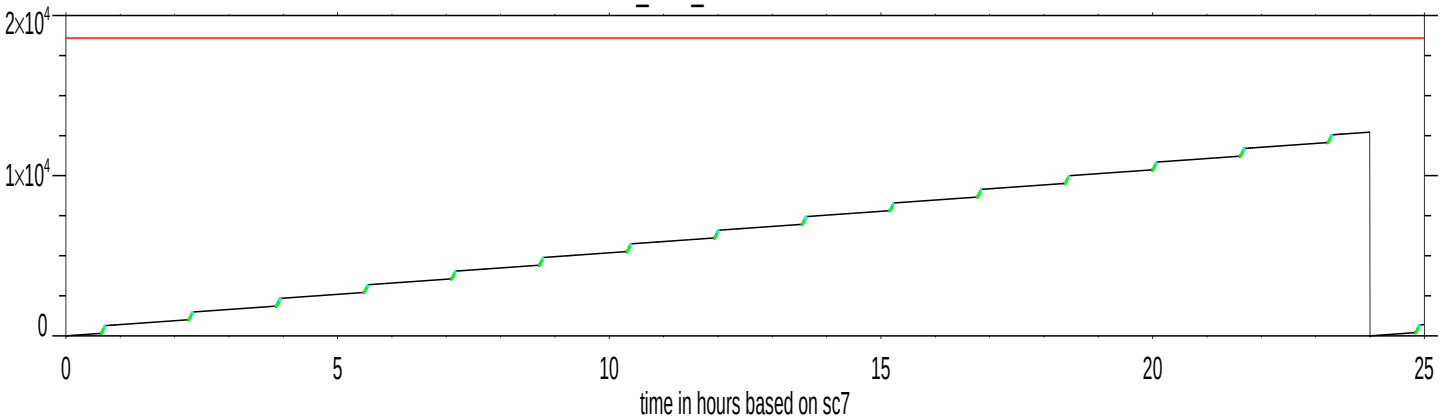
SSPP_BHND_XPS_TEMP 2020213



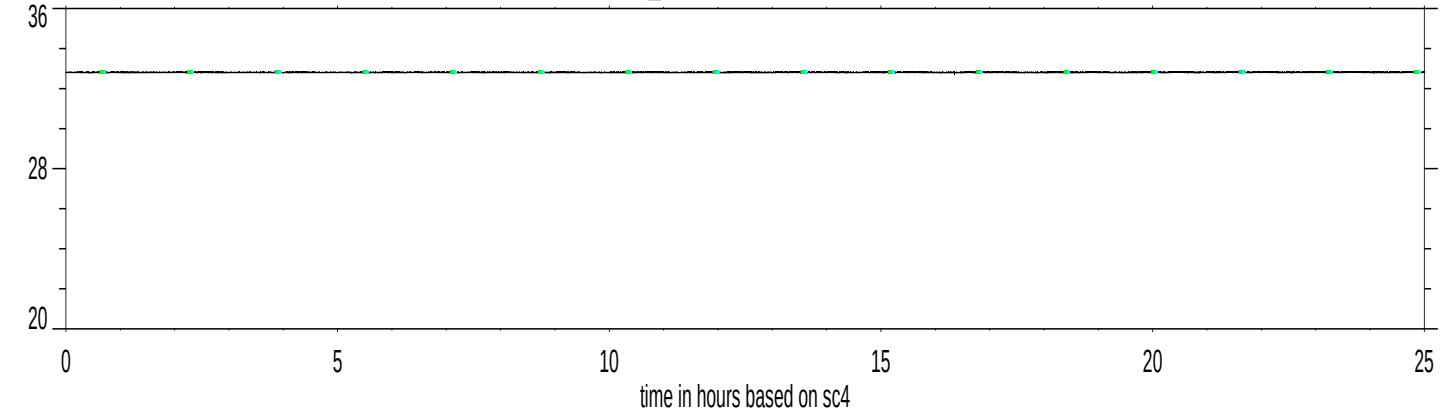
SSPP_BHND_MTR_TEMP 2020213



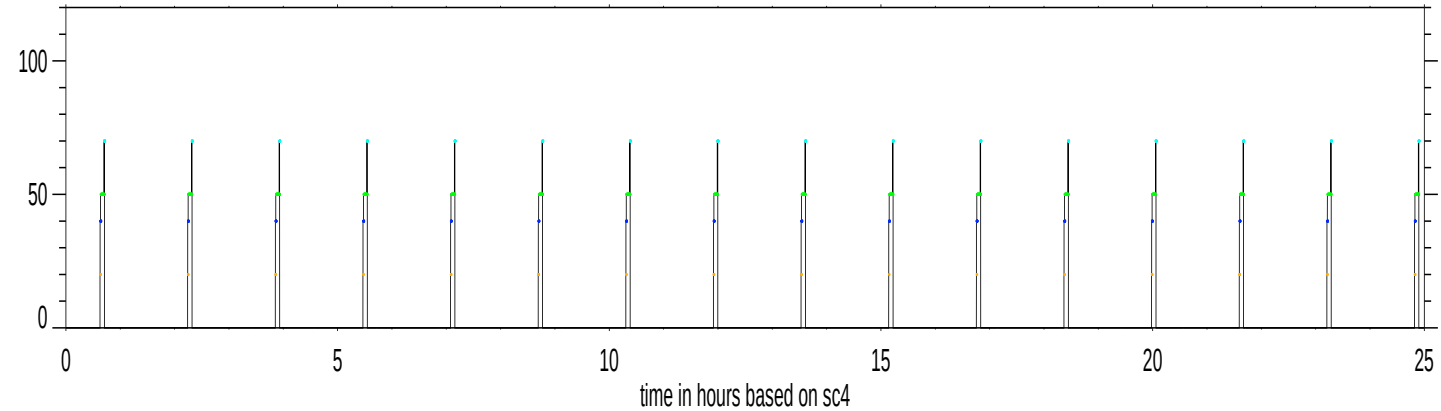
SEE_PKT_COUNT 2020213

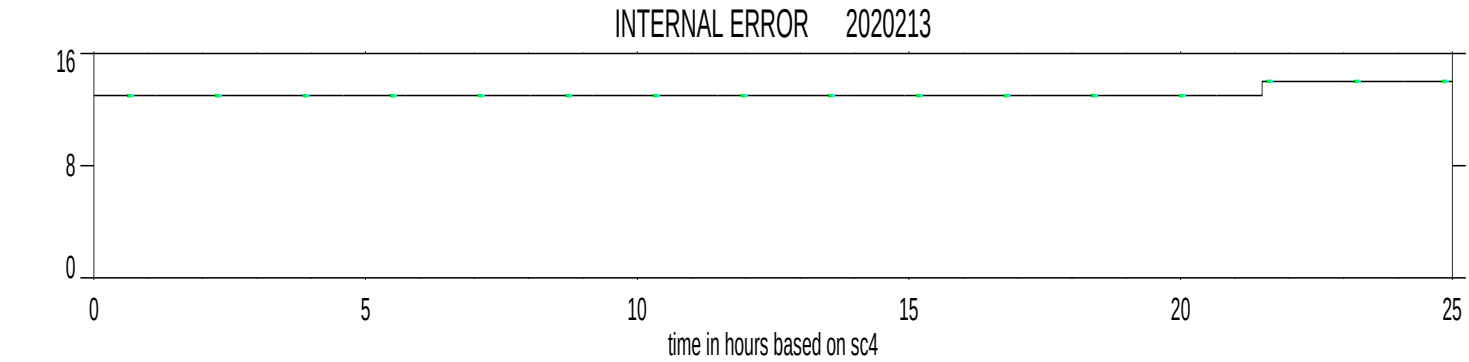


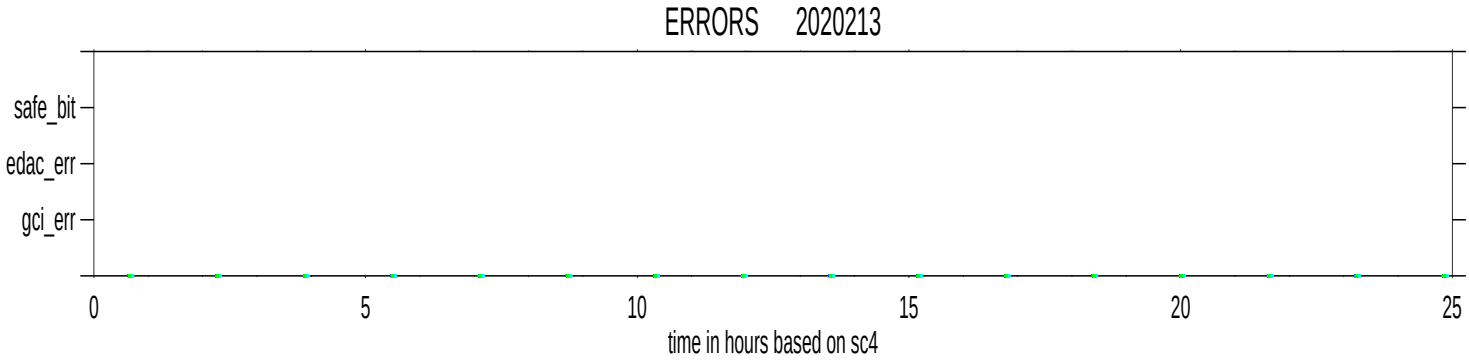
BUS_VOLTAGE 2020213

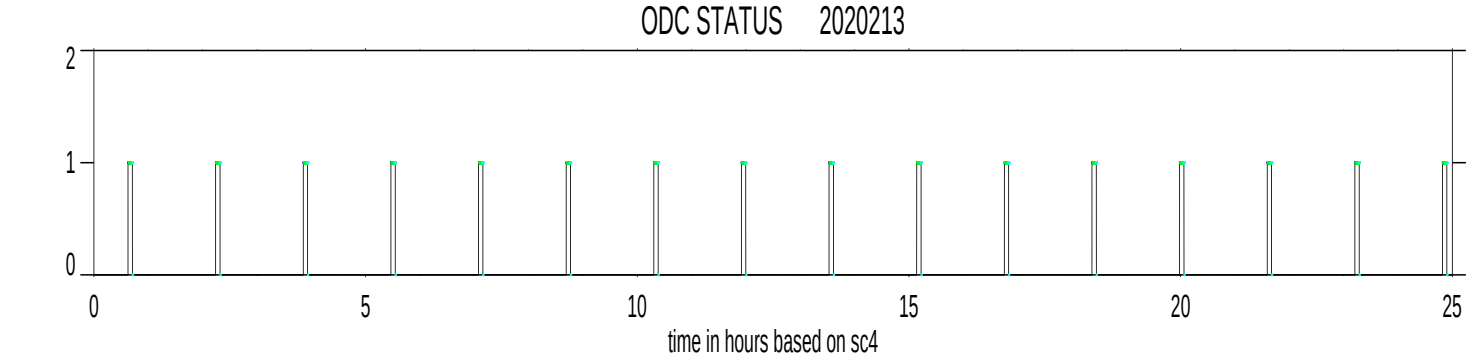


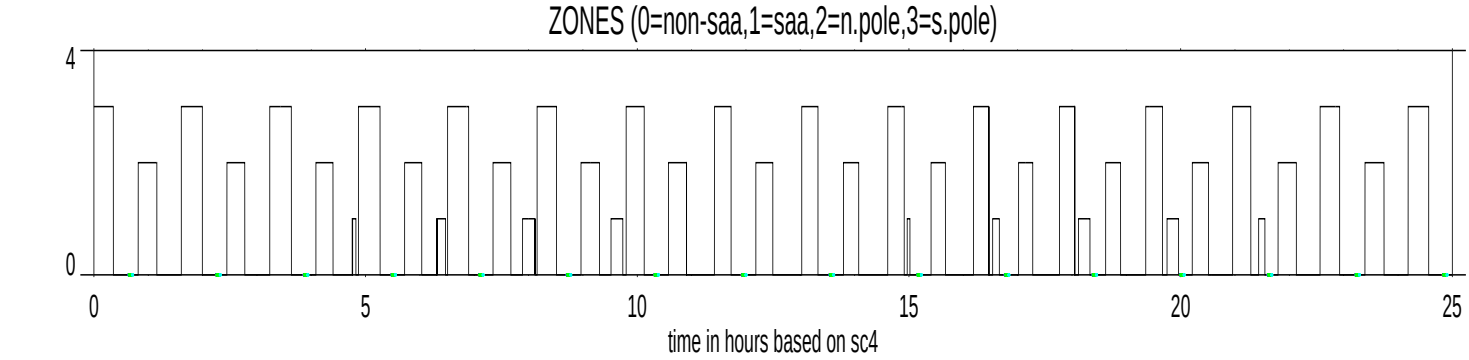
SEE_MU Operational Mode 2020213

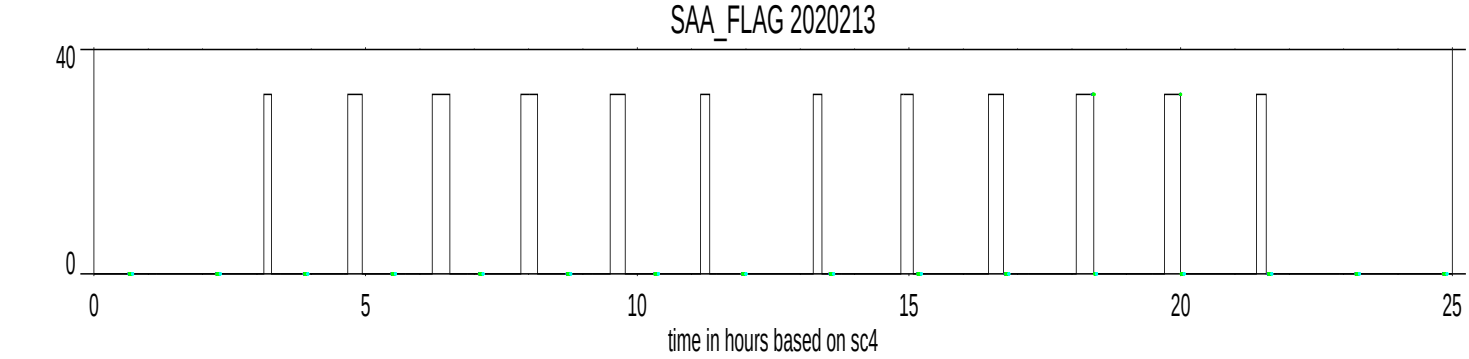


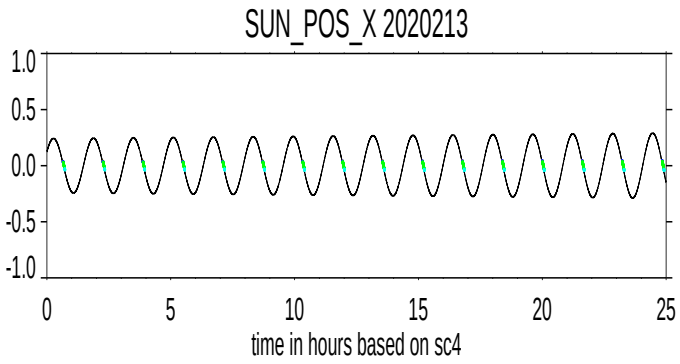

INTERNAL ERROR 2020213
16
8
0
0
5
10
15
20
25
time in hours based on sc4

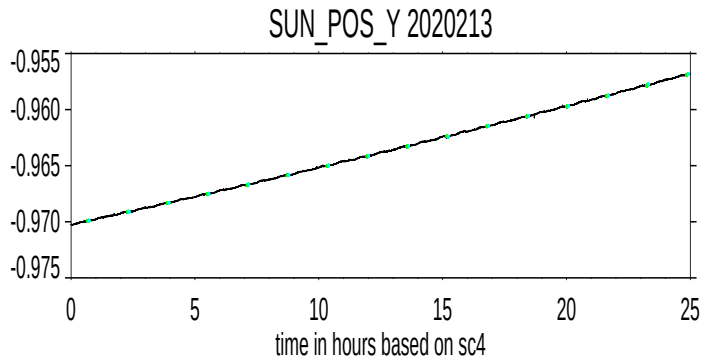

ERRORS 2020213
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

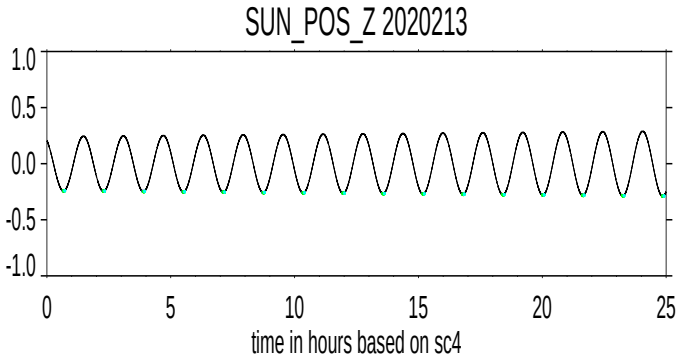

ODC STATUS 2020213
2
1
0
0
5
10
15
20
25
time in hours based on sc4

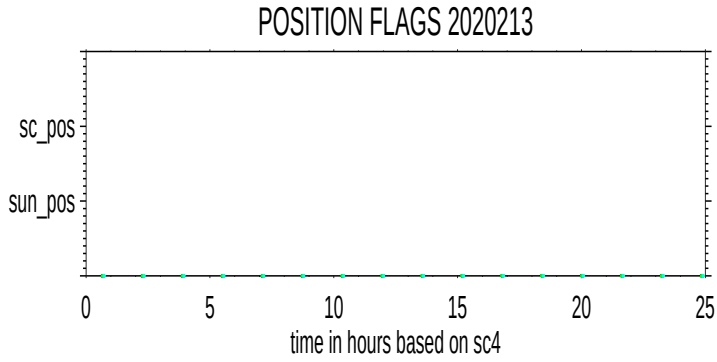

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

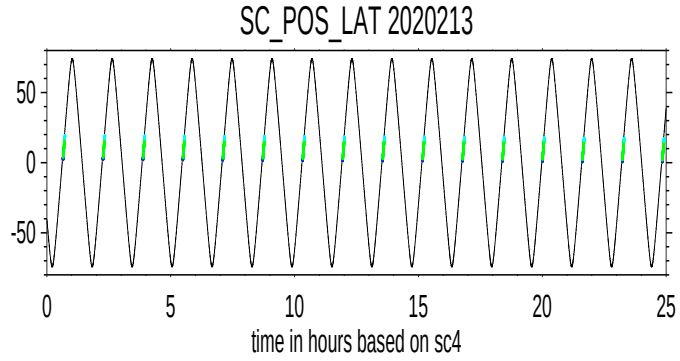

SAA_FLAG 2020213
40
0
0
5
10
15
20
25
time in hours based on sc4

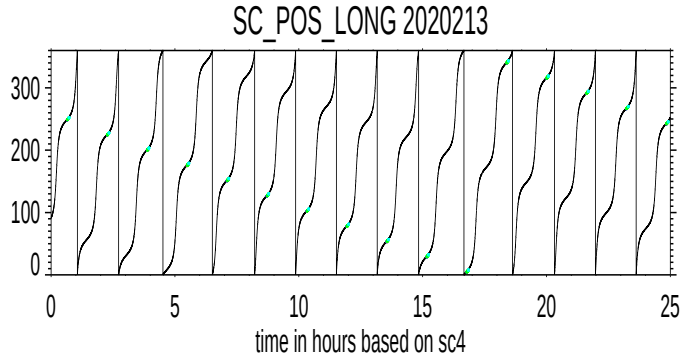

SUN_POS_X 2020213
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

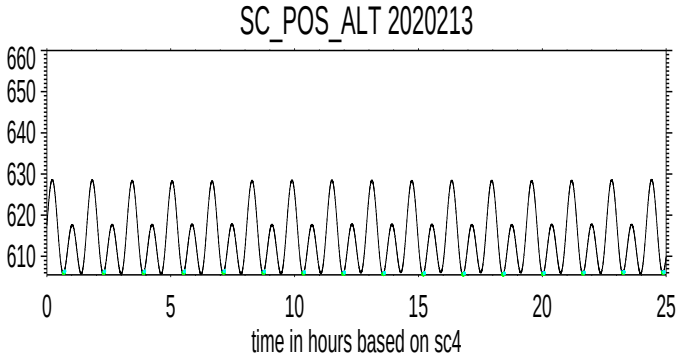

SUN_POS_Y 2020213
-0.955
-0.960
-0.965
-0.970
-0.975
0
5
10
15
20
25
time in hours based on sc4

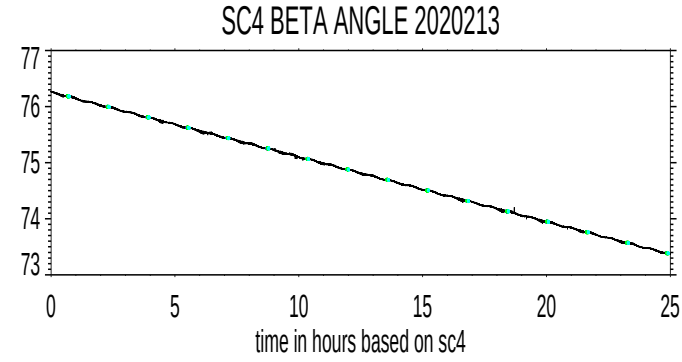

SUN_POS_Z 2020213
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020213
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020213
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020213
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020213
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020213
77
76
75
74
73
0
5
10
15
20
25
time in hours based on sc4