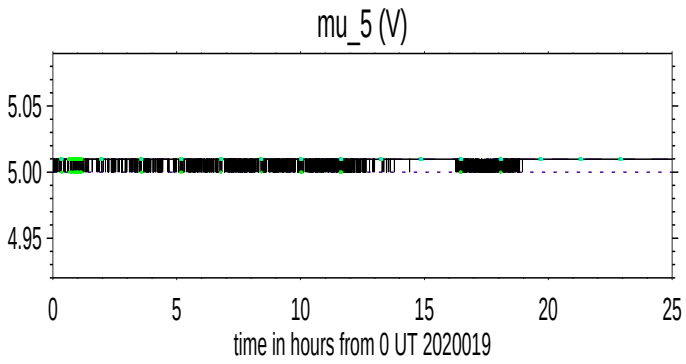
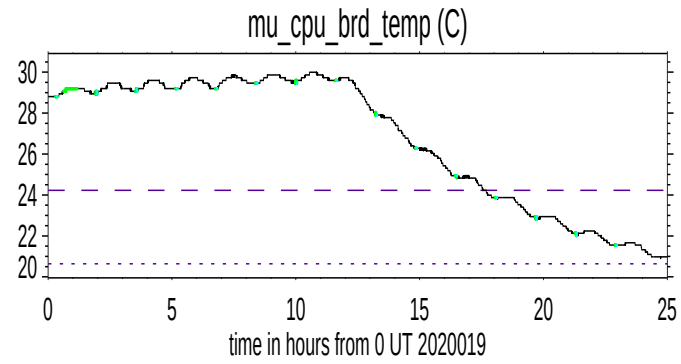
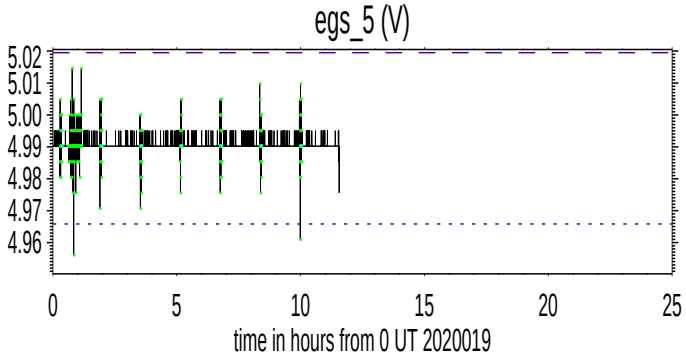
```
Information for      2020019
10:00:49.001: see_stat[1]: 14 internal error
```

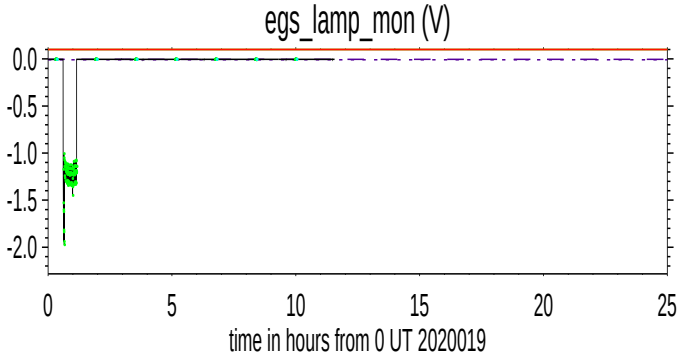
/export/timed/data/science_dp/tlm_limit/outoflimit_2020019_012.txt
Tue Feb 18 06:14:08 2020 1

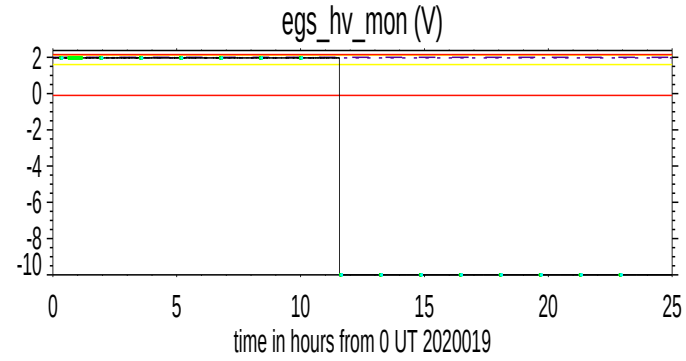
RL OutOfLimit 1263468876 1263517216 hk.egs_hv_mon

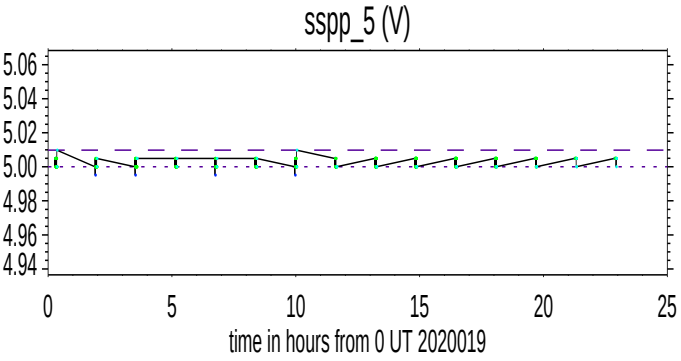

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020019

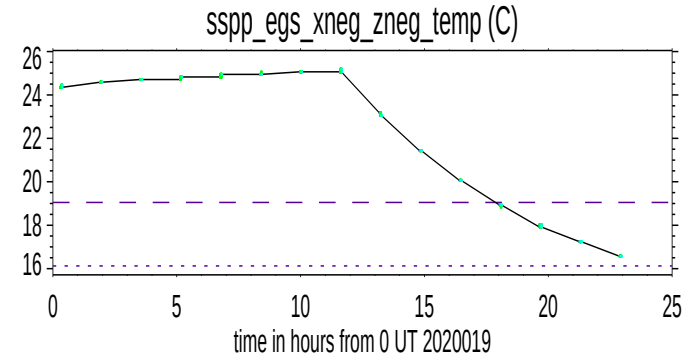

mu_cpu_brd_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019

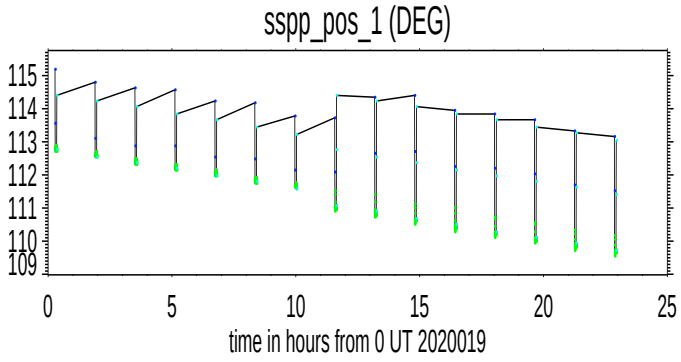

egs_5 (V)
5.02
5.01
5.00
4.99
4.98
4.97
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020019

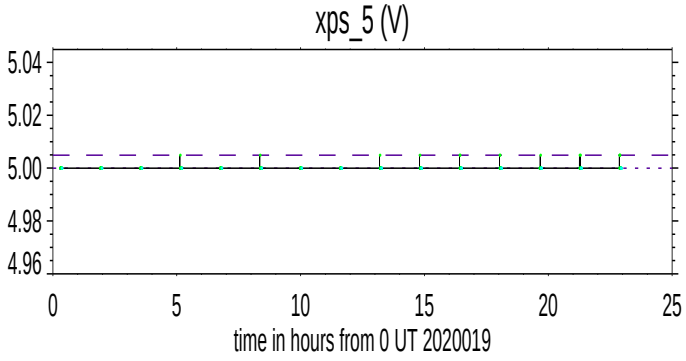

egs_lamp_mon (V)
0.0
-0.5
-1.0
-1.5
-2.0
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_hv_mon (V)
2
0
-2
-4
-6
-8
-10
0
5
10
15
20
25
time in hours from 0 UT 2020019


sspp_5 (V)
5.06
5.04
5.02
5.00
4.98
4.96
4.94
0
5
10
15
20
25
time in hours from 0 UT 2020019


sspp_egs_xneg_zneg_temp (C)
26
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020019


sspp_pos_1 (DEG)
115
114
113
112
111
110
109
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_5 (V)
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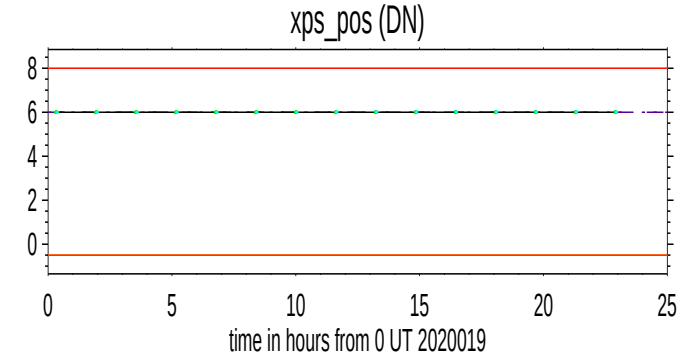
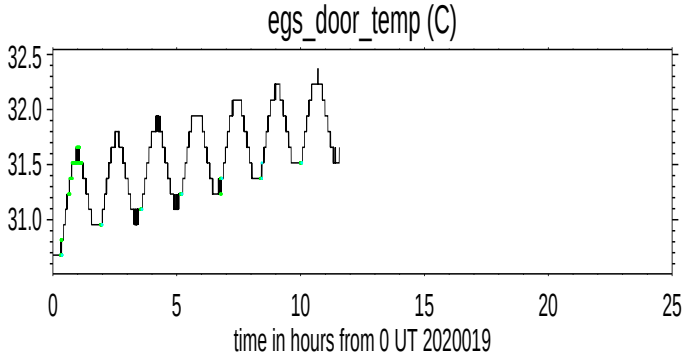
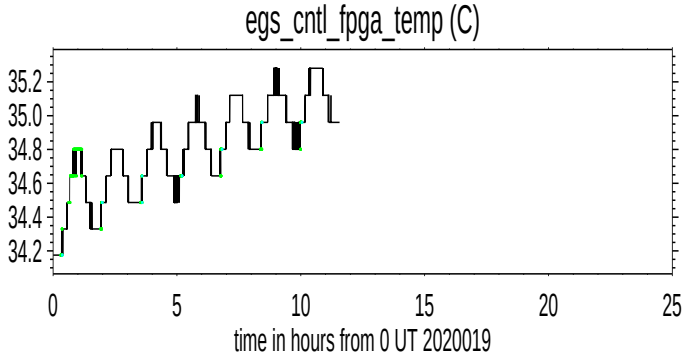
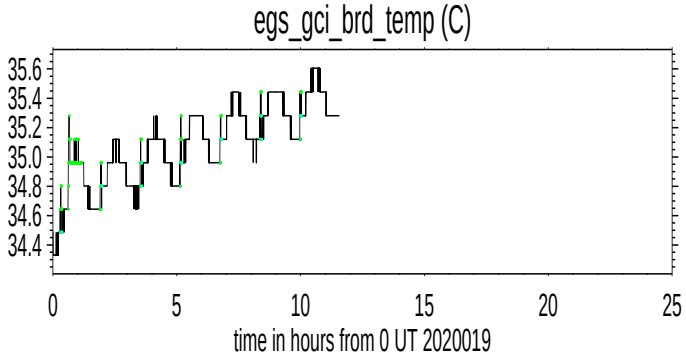
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_door_temp (C)
32.5
32.0
31.5
31.0
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_cntl_fpga_temp (C)
35.2
35.0
34.8
34.6
34.4
34.2
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_gci_brd_temp (C)
35.6
35.4
35.2
35.0
34.8
34.6
34.4
0
5
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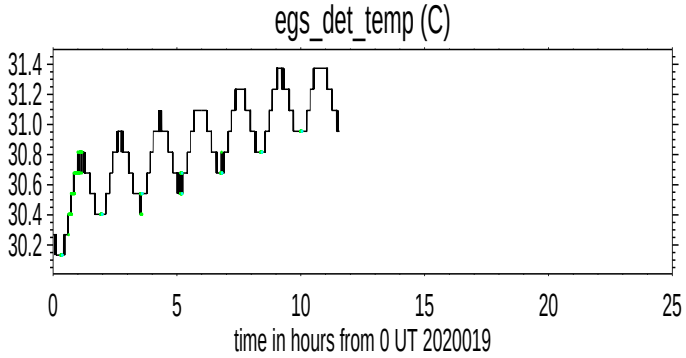
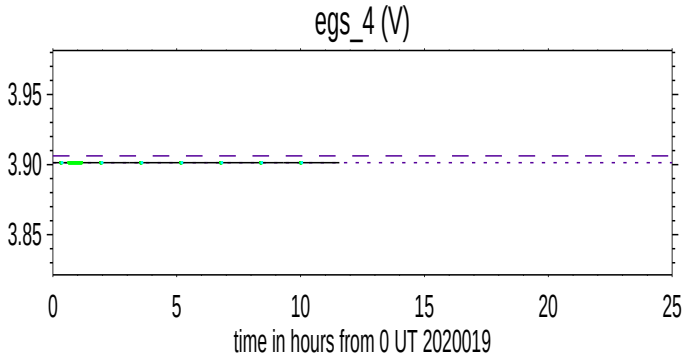
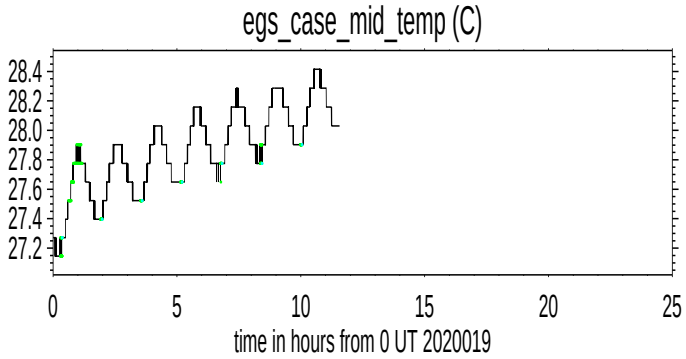
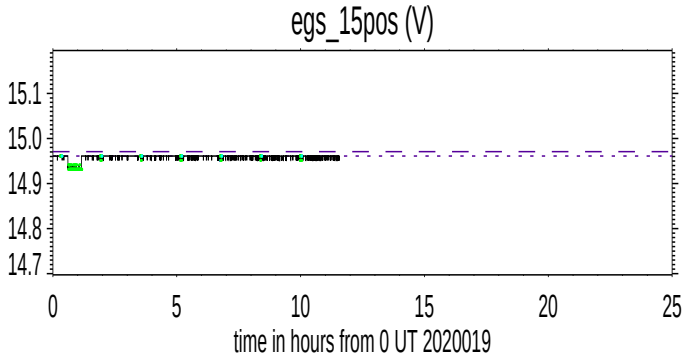
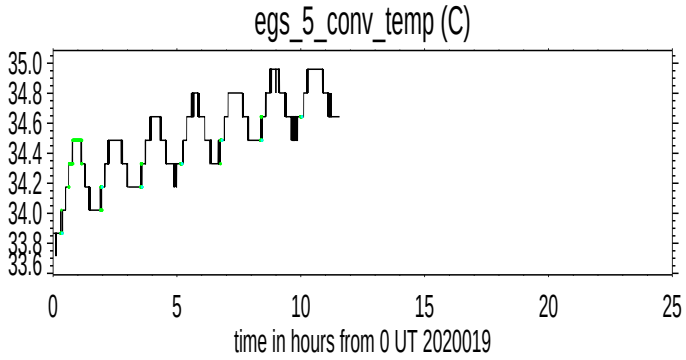
15
20
25
time in hours from 0 UT 2020019

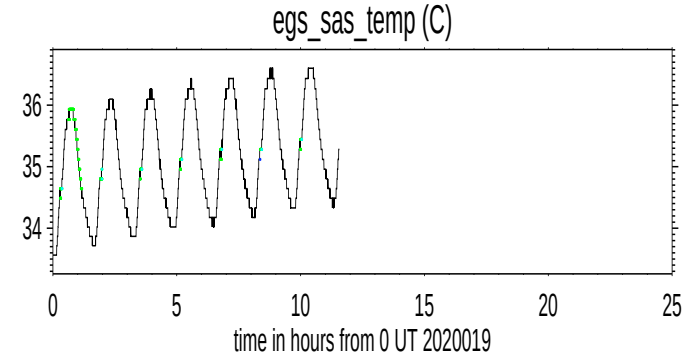

egs_det_temp (C)
31.4
31.2
31.0
30.8
30.6
30.4
30.2
0
5
10
15
20
25
time in hours from 0 UT 2020019

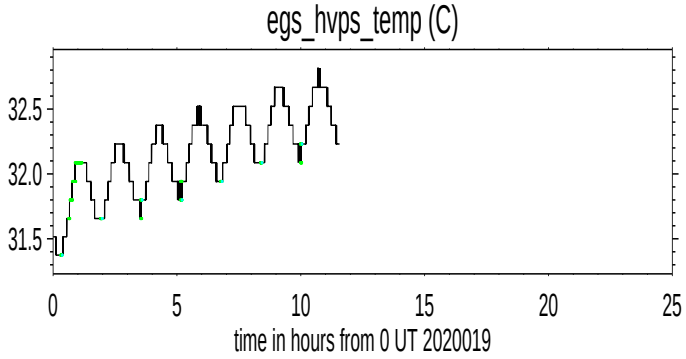

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020019

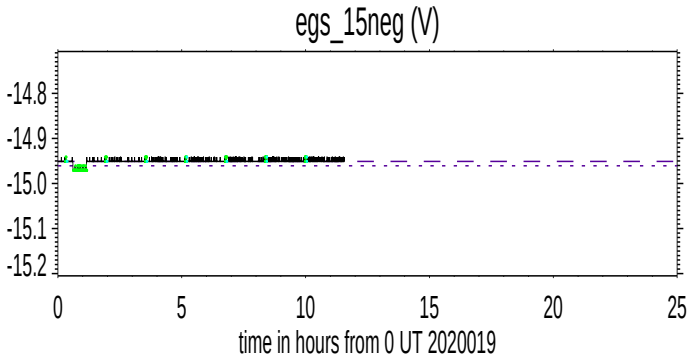

egs_case_mid_temp (C)
28.4
28.2
28.0
27.8
27.6
27.4
27.2
0
5
10
15
20
25
time in hours from 0 UT 2020019

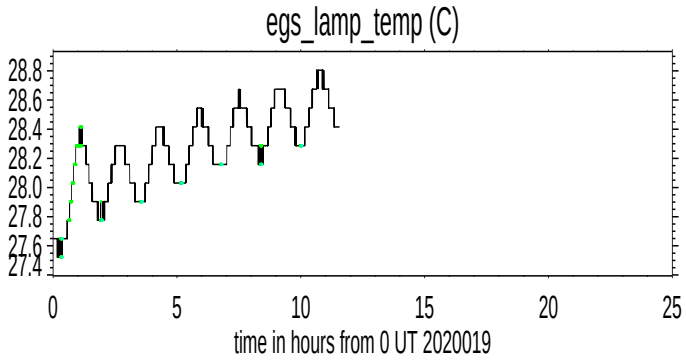

egs_15pos (V)
15.1
15.0
14.9
14.8
14.7
0
5
10
15
20
25
time in hours from 0 UT 2020019

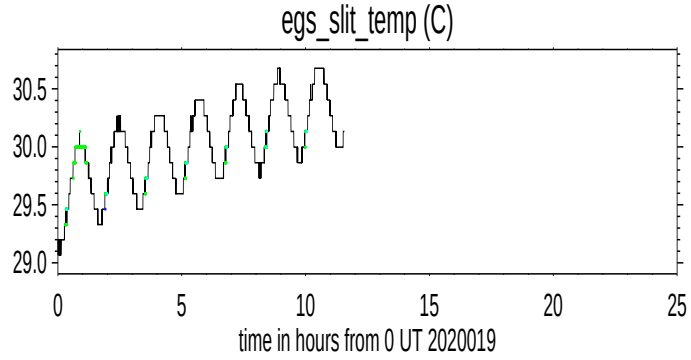

egs_5_conv_temp (C)
35.0
34.8
34.6
34.4
34.2
34.0
33.8
33.6
0
5
10
15
20
25
time in hours from 0 UT 2020019

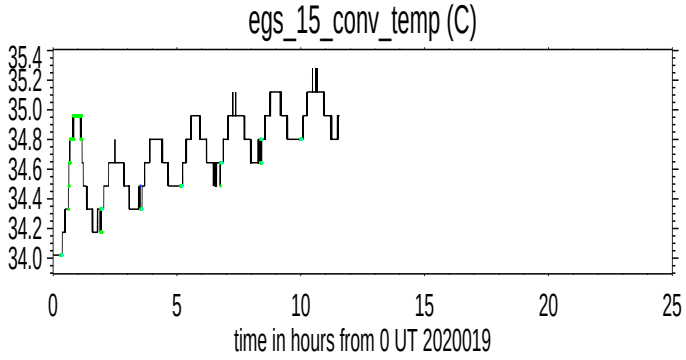

egs_sas_temp (C)
36
35
34
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_hvps_temp (C)
32.5
32.0
31.5
0
5
10
15
20
25
time in hours from 0 UT 2020019


egs_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2020019


egs_lamp_temp (C)
28.8
28.6
28.4
28.2
28.0
27.8
27.6
27.4
0 5 10 15 20 25
time in hours from 0 UT 2020019


egs_slit_temp (C)
30.5
30.0
29.5
29.0
0 5 10 15 20 25
time in hours from 0 UT 2020019


egs_15_conv_temp (C)
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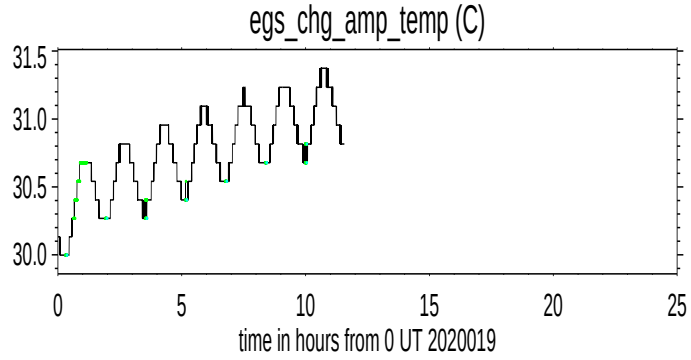
35.2
35.0
34.8
34.6
34.4
34.2
34.0
0 5 10 15 20 25
time in hours from 0 UT 2020019


egs_chg_amp_temp (C)
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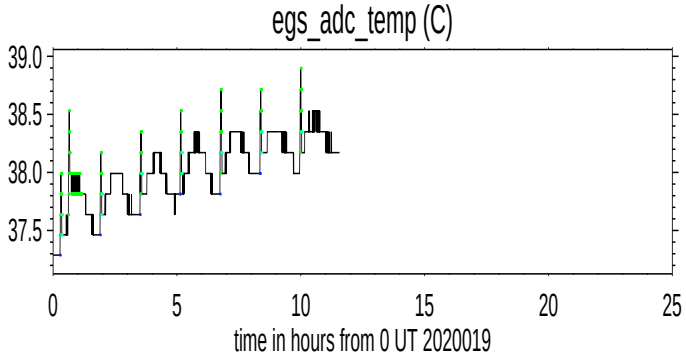
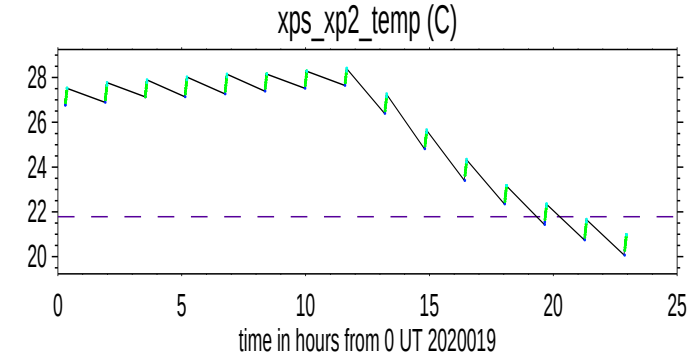
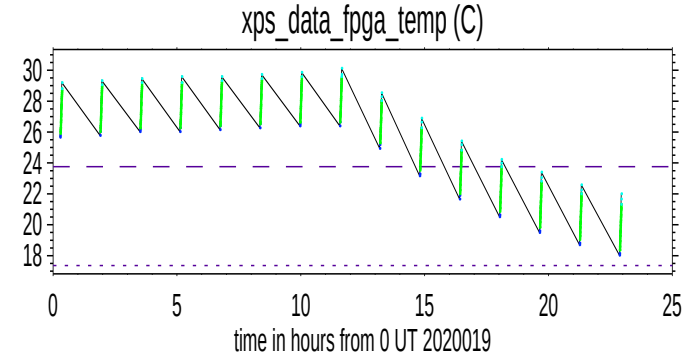
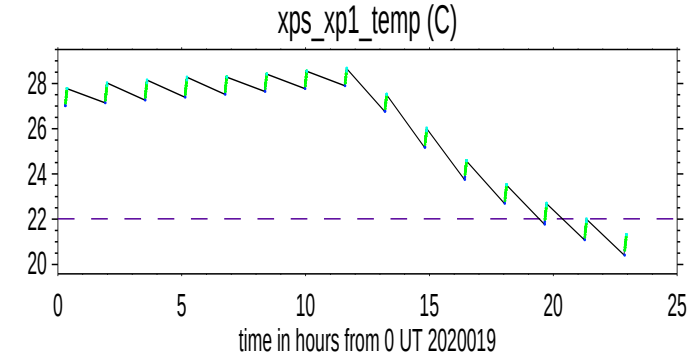
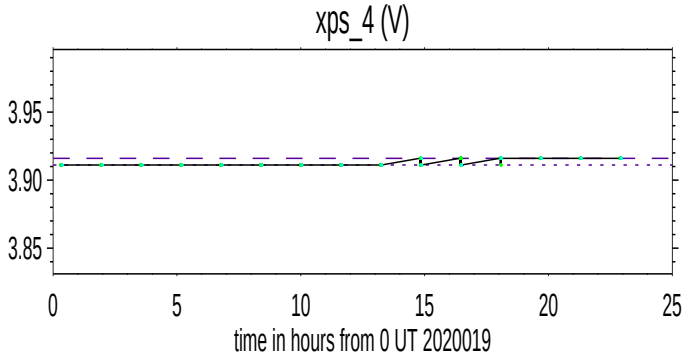
31.0
30.5
30.0
0 5 10 15 20 25
time in hours from 0 UT 2020019

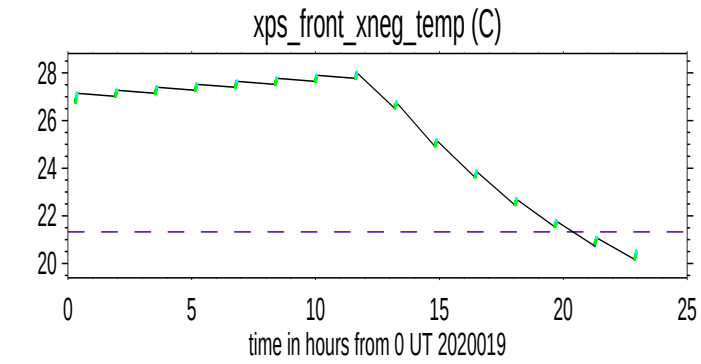

egs_adc_temp (C)
39.0
38.5
38.0
37.5
0 5 10 15 20 25
time in hours from 0 UT 2020019

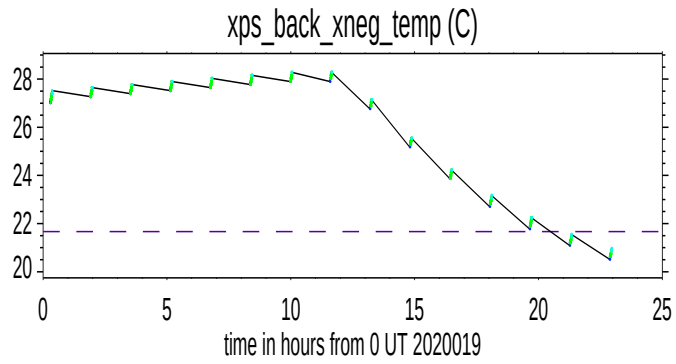

xps_xp2_temp (C)
28
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2020019

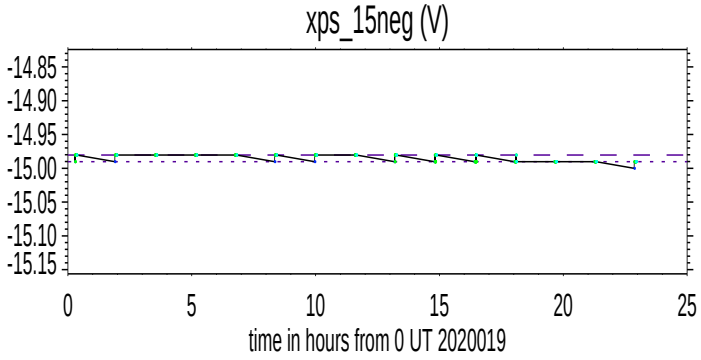

xps_data_fpga_temp (C)
30
28
26
24
22
20
18
0 5 10 15 20 25
time in hours from 0 UT 2020019

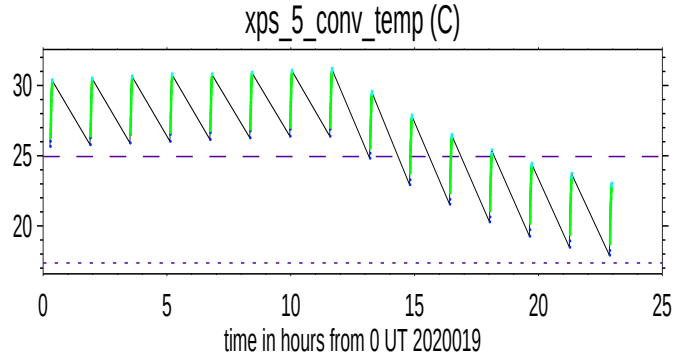

xps_xp1_temp (C)
28
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2020019


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2020019


xps_front_xneg_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_back_xneg_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_15neg (V)
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
-15.15
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_5_conv_temp (C)
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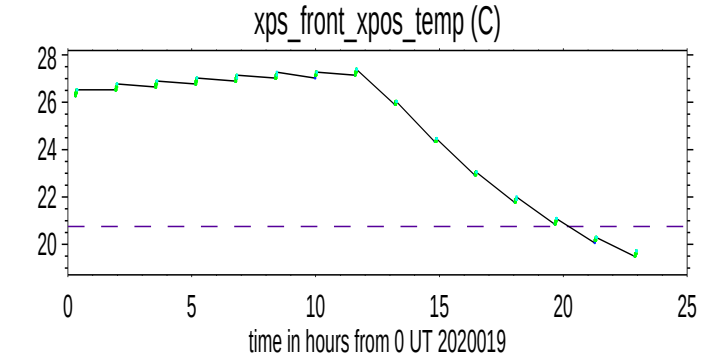
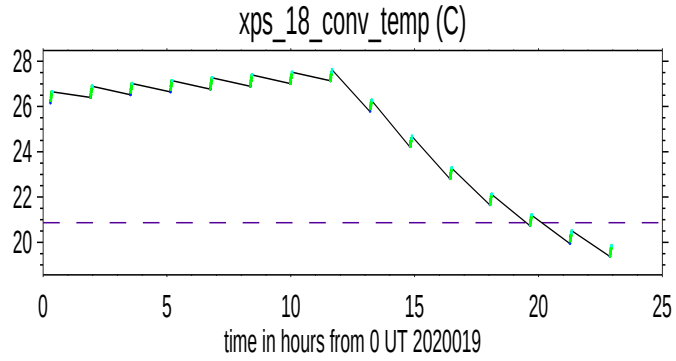
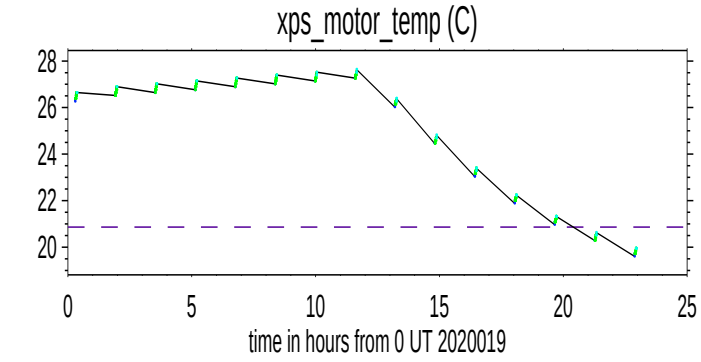
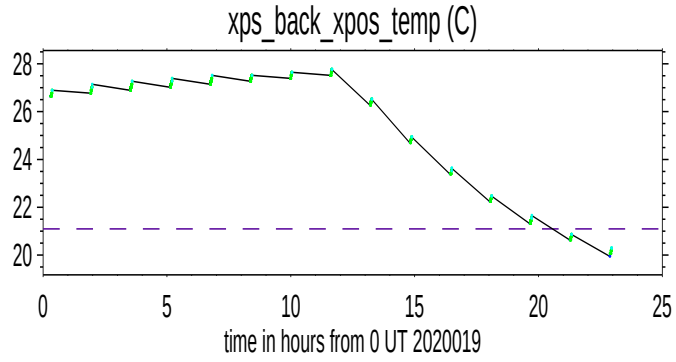
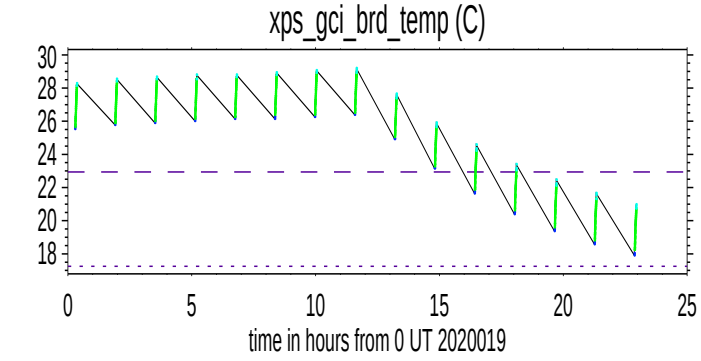
25
20
0
5
10
15
20
25
time in hours from 0 UT 2020019

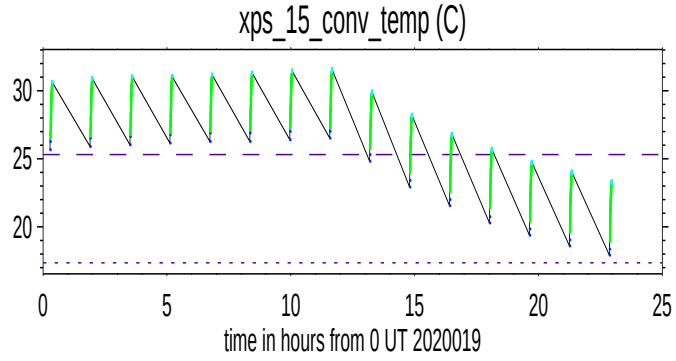

xps_front_xpos_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_18_conv_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_motor_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_back_xpos_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019


xps_gci_brd_temp (C)
30
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019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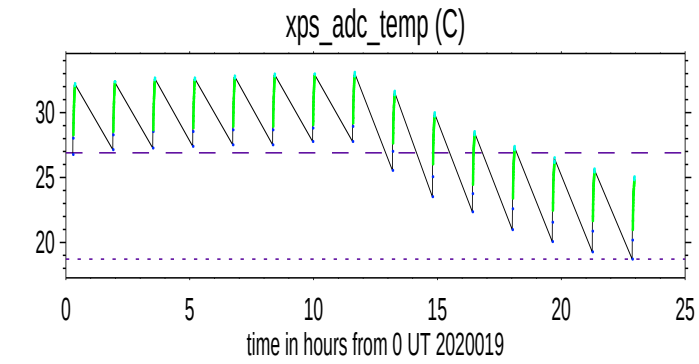
5
10
15
20
25
time in hours from 0 UT 2020019


xps_adc_temp (C)
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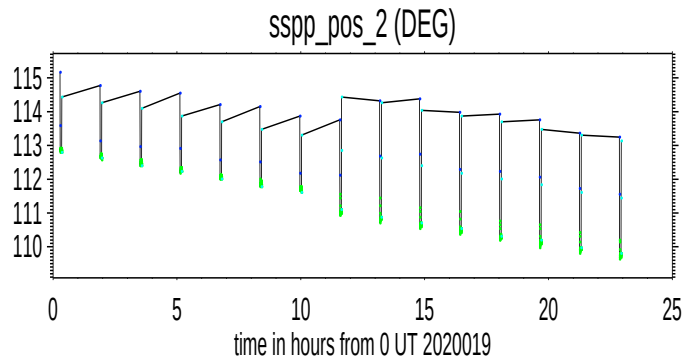
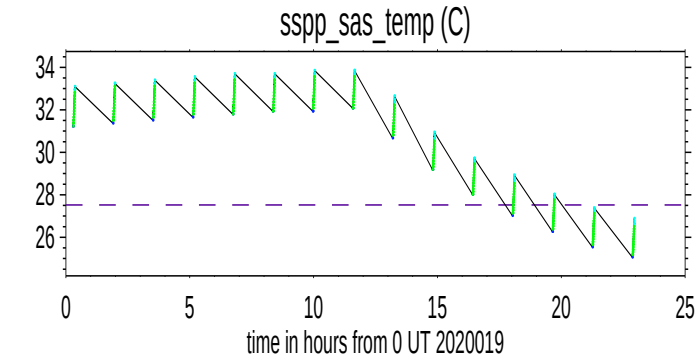
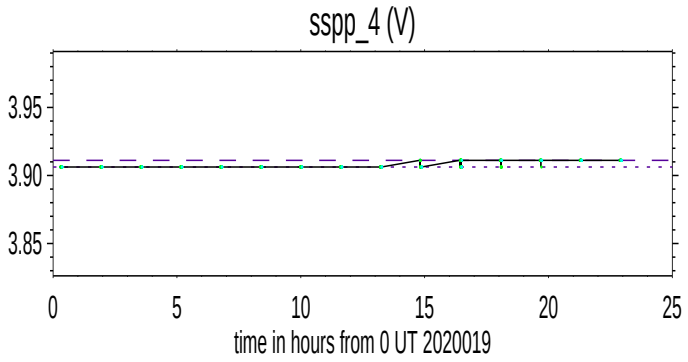
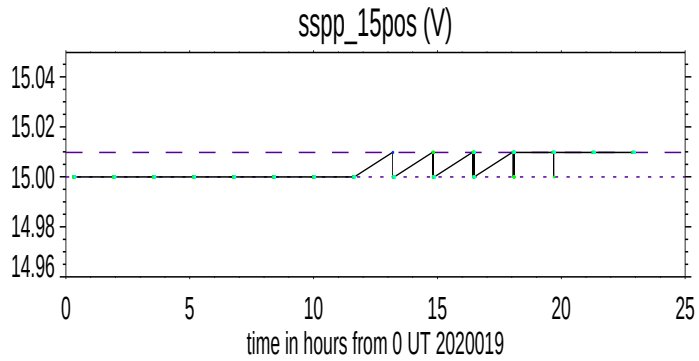
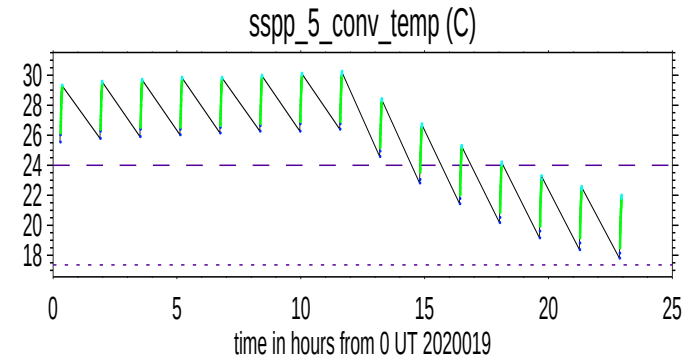
25
20
0
5
10
15
20
25
time in hours from 0 UT 2020019

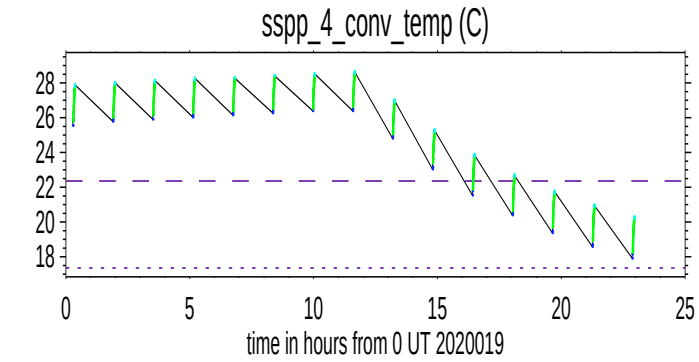

sspp_pos_2 (DEG)
115
114
113
112
111
110
0
5
10
15
20
25
time in hours from 0 UT 2020019

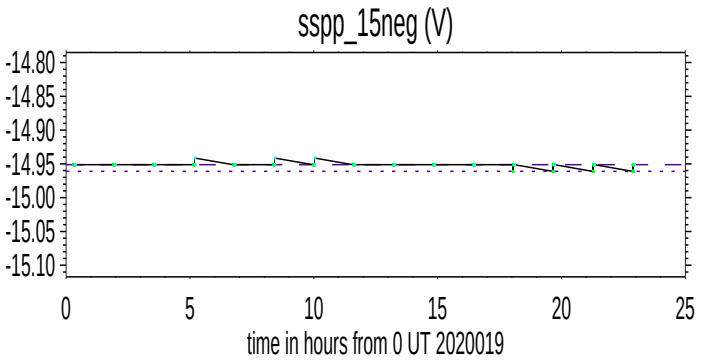

sspp_sas_temp (C)
34
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2020019

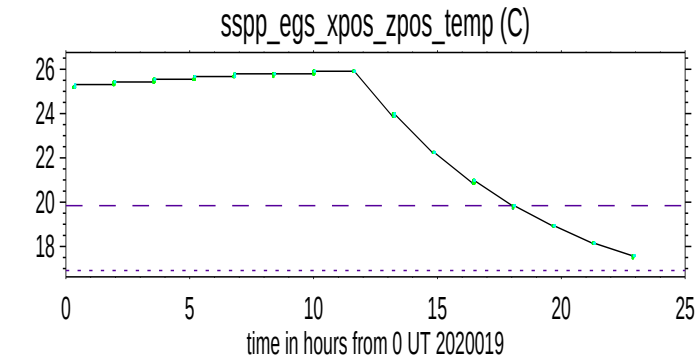

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020019

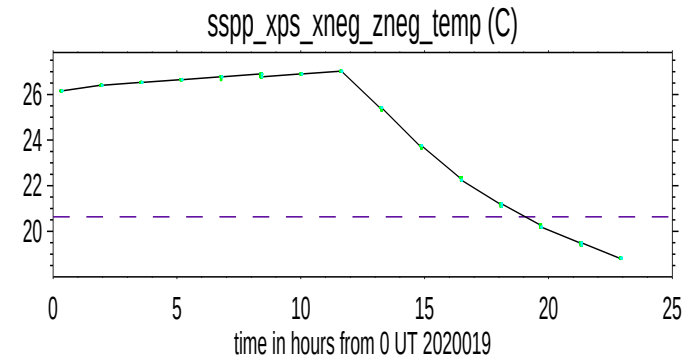

sspp_15pos (V)
15.04
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2020019

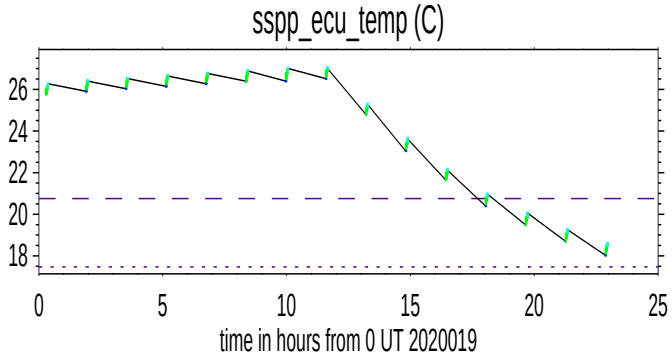

sspp_5_conv_temp (C)
30
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

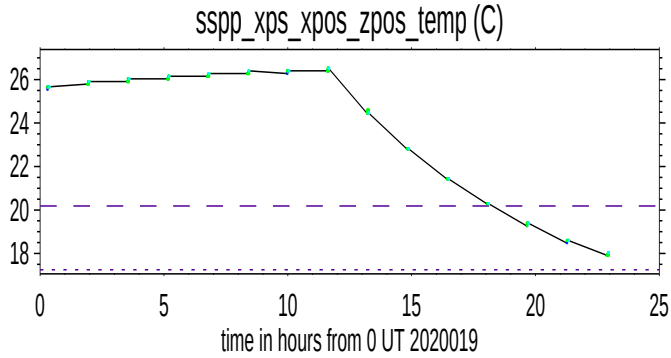

sspp_4_conv_temp (C)
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

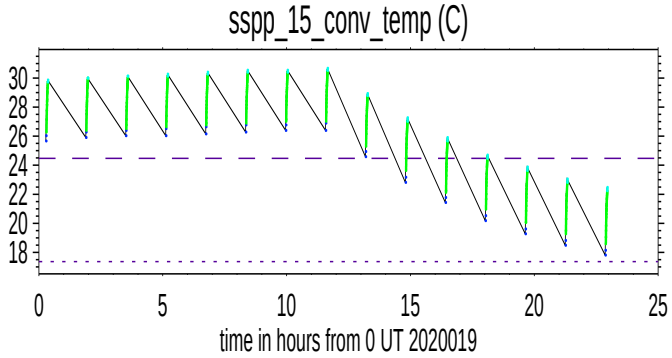

sspp_15neg (V)
-14.80
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2020019

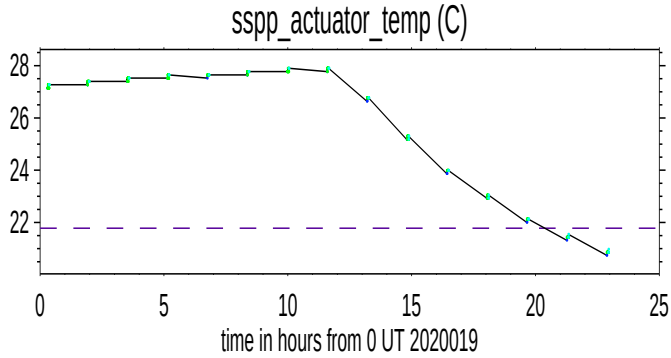

sspp_egs_xpos_zpos_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

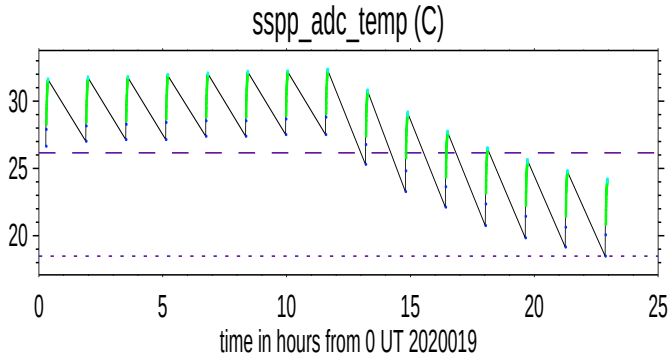

sspp_xps_xneg_zneg_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020019

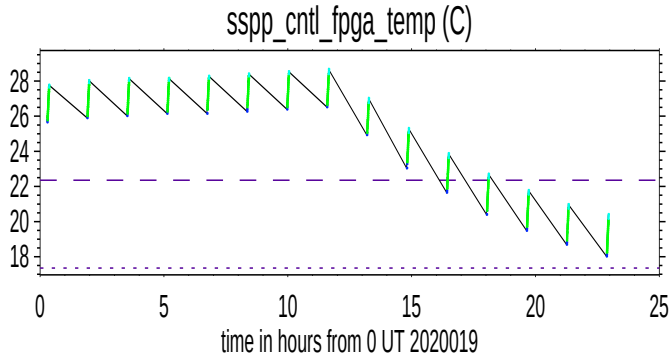

sspp_ecu_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

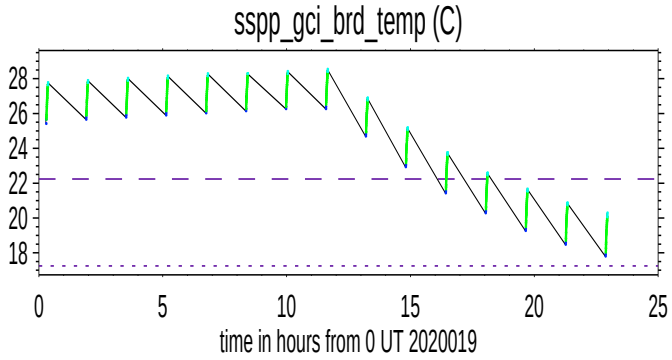

sspp_xps_xpos_zpos_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

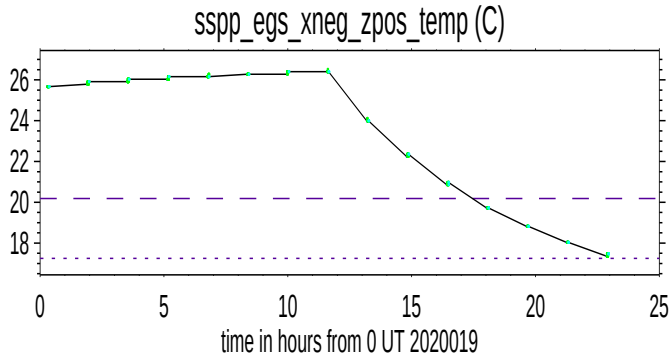

sspp_15_conv_temp (C)
30
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

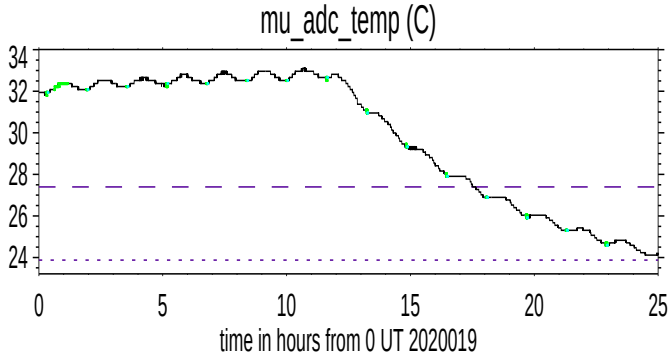

sspp_actuator_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

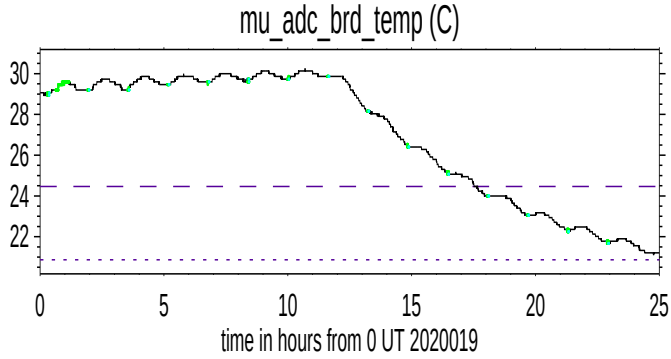

sspp_adc_temp (C)
30
25
20
0
5
10
15
20
25
time in hours from 0 UT 2020019

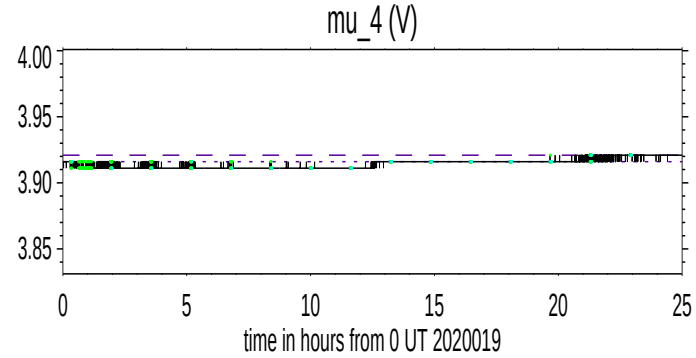

sspp_cntl_fpga_temp (C)
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

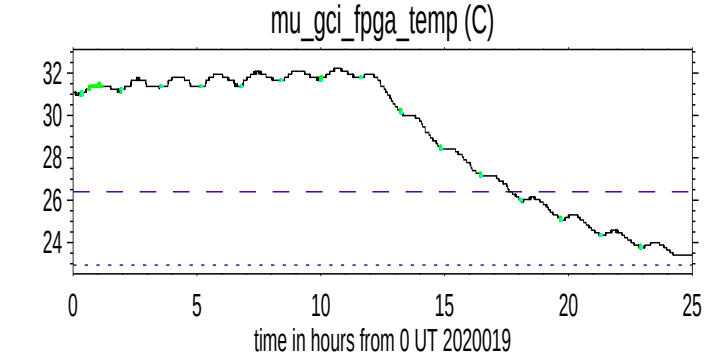

sspp_gci_brd_temp (C)
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

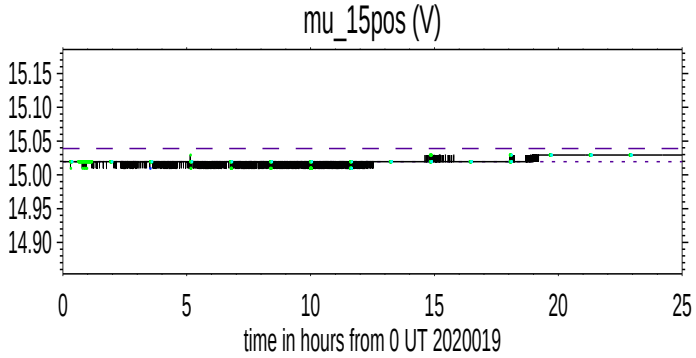

sspp_egs_xneg_zpos_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020019

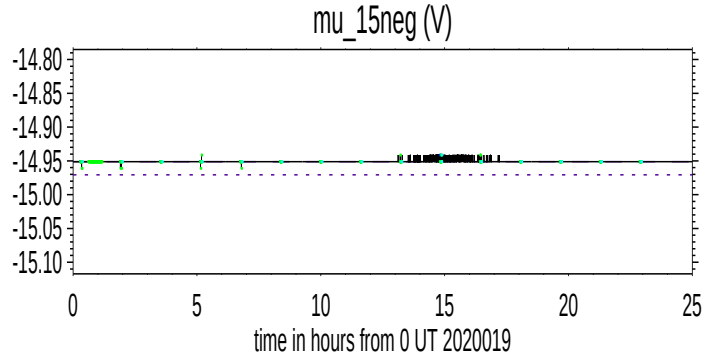

mu_adc_temp (C)
34
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2020019

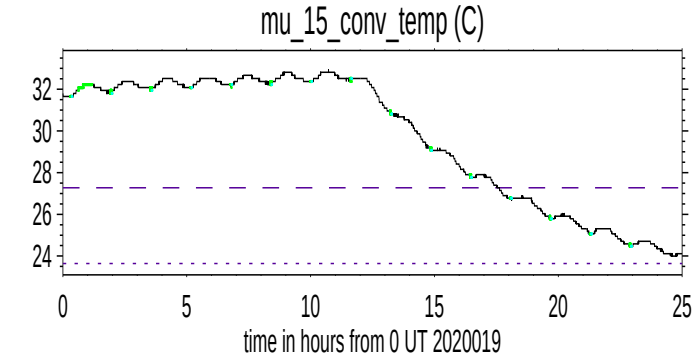

mu_adc_brd_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

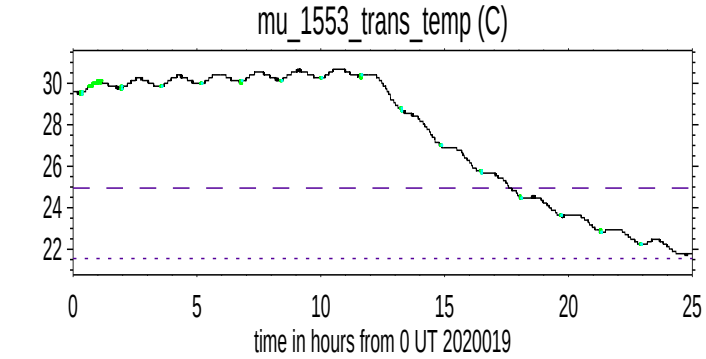

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020019

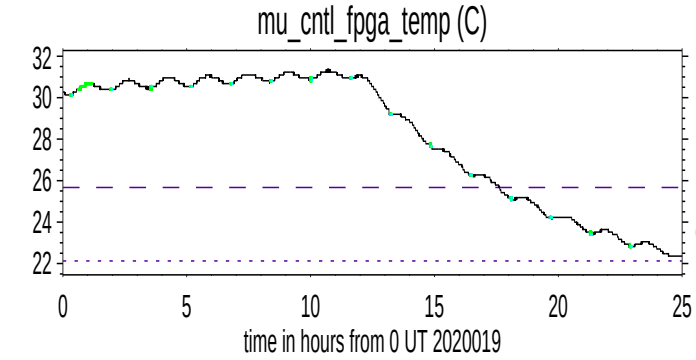

mu_gci_fpga_temp (C)
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2020019

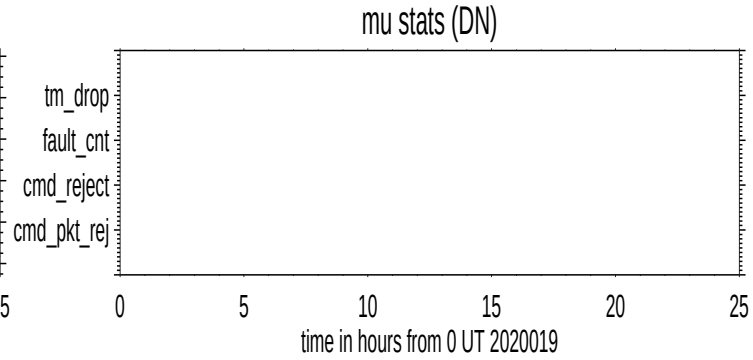

mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020019

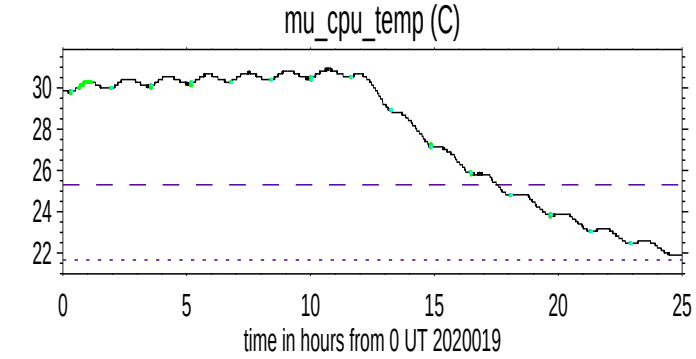

mu_15neg (V)
-14.80
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2020019

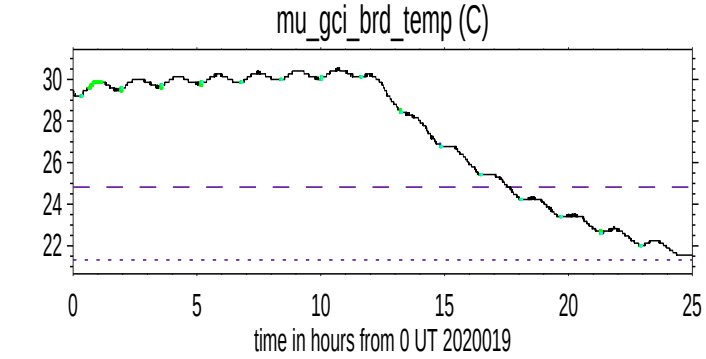

mu_15_conv_temp (C)
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2020019

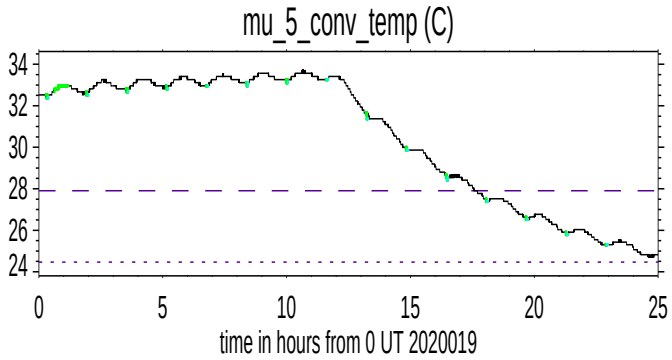

mu_1553_trans_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

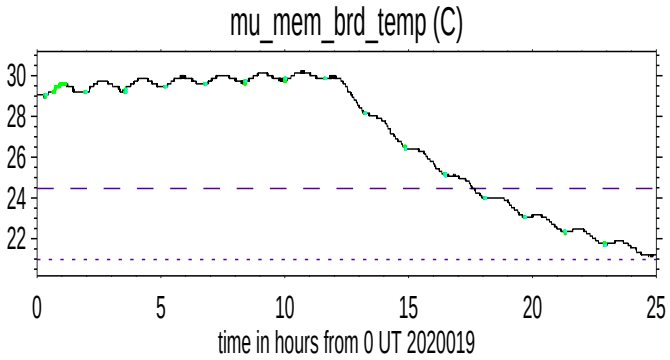

mu_cntl_fpga_temp (C)
32
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

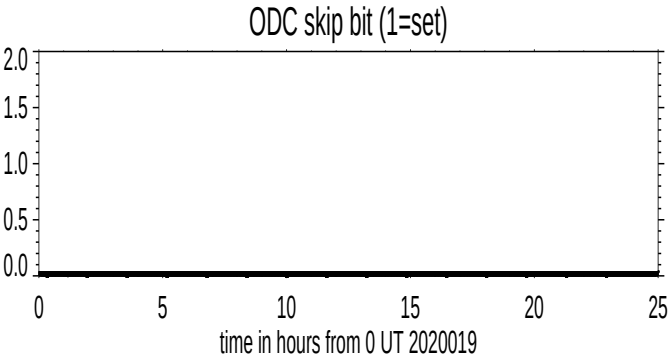

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2020019

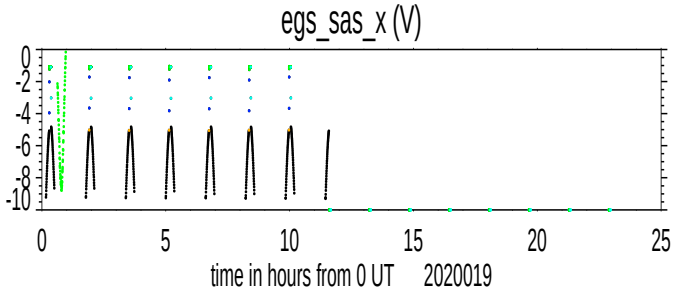

mu_cpu_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

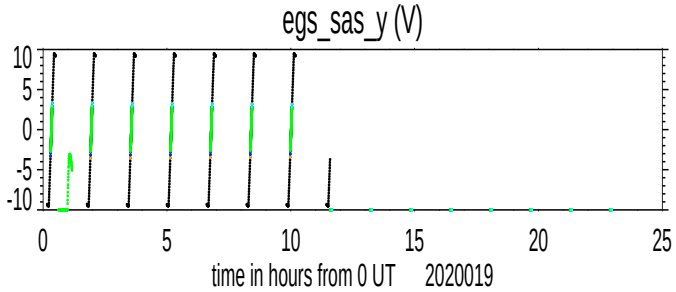

mu_gci_brd_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

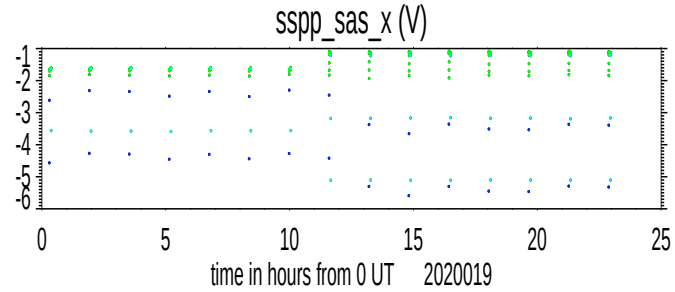

mu_5_conv_temp (C)
34
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2020019

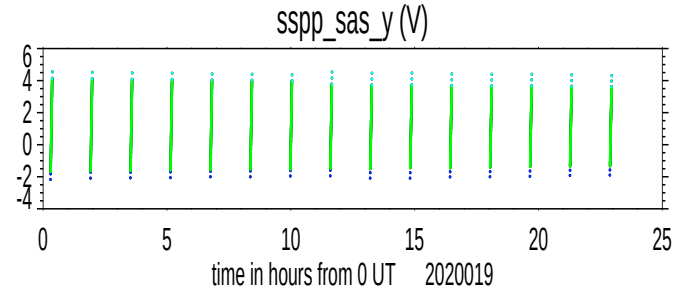

mu_mem_brd_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020019

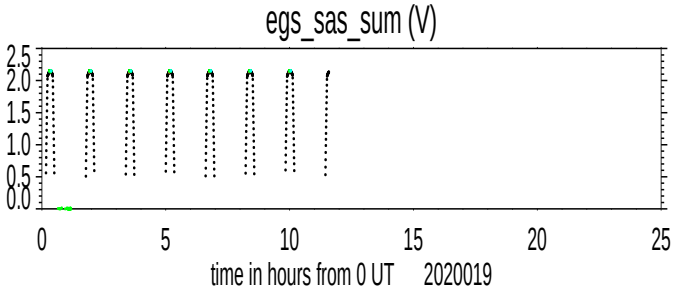

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020019

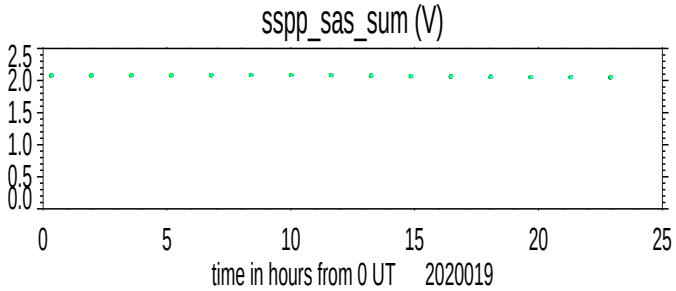

egs_sas_x (V)
time in hours from 0 UT 2020019

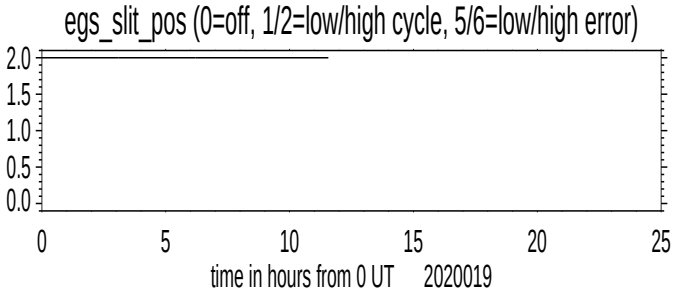

egs_sas_y (V)
time in hours from 0 UT 2020019

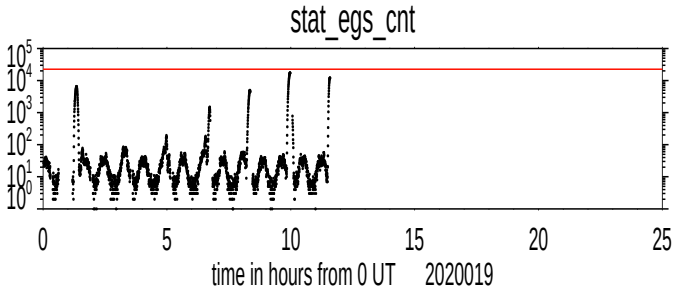

sspp_sas_x (V)
time in hours from 0 UT 2020019

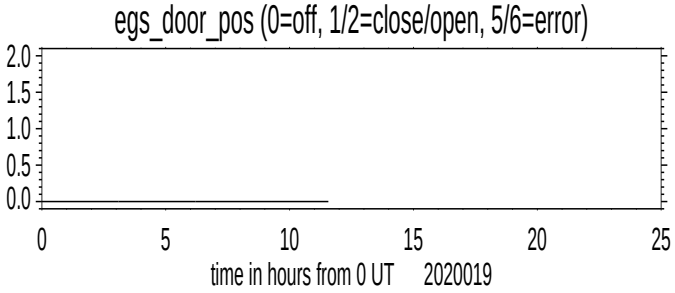

sspp_sas_y (V)
time in hours from 0 UT 2020019

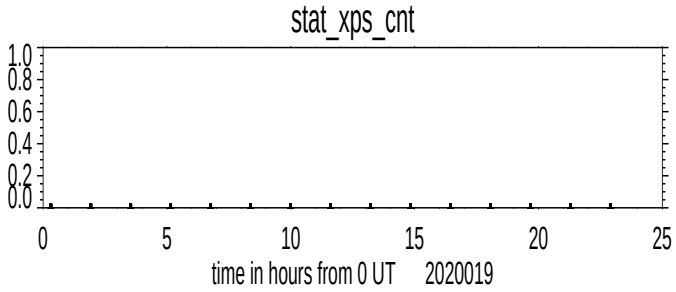

egs_sas_sum (V)
time in hours from 0 UT 2020019

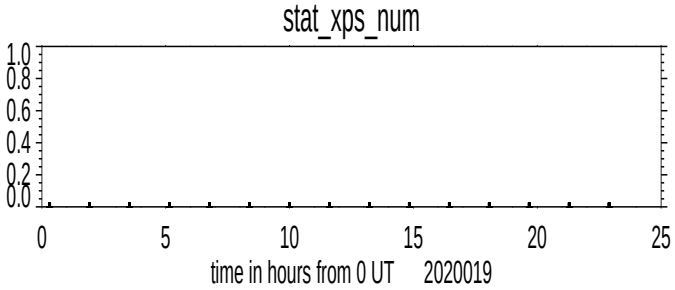

sspp_sas_sum (V)
time in hours from 0 UT 2020019

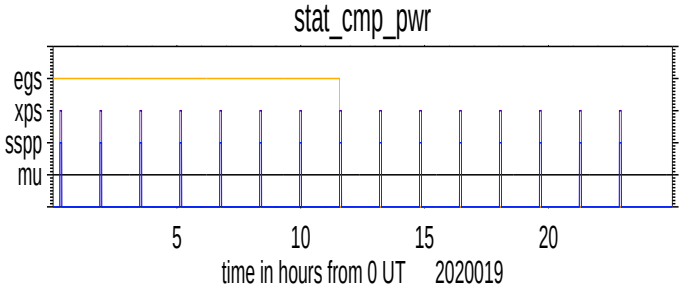

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020019


stat_egs_cnt
time in hours from 0 UT 2020019

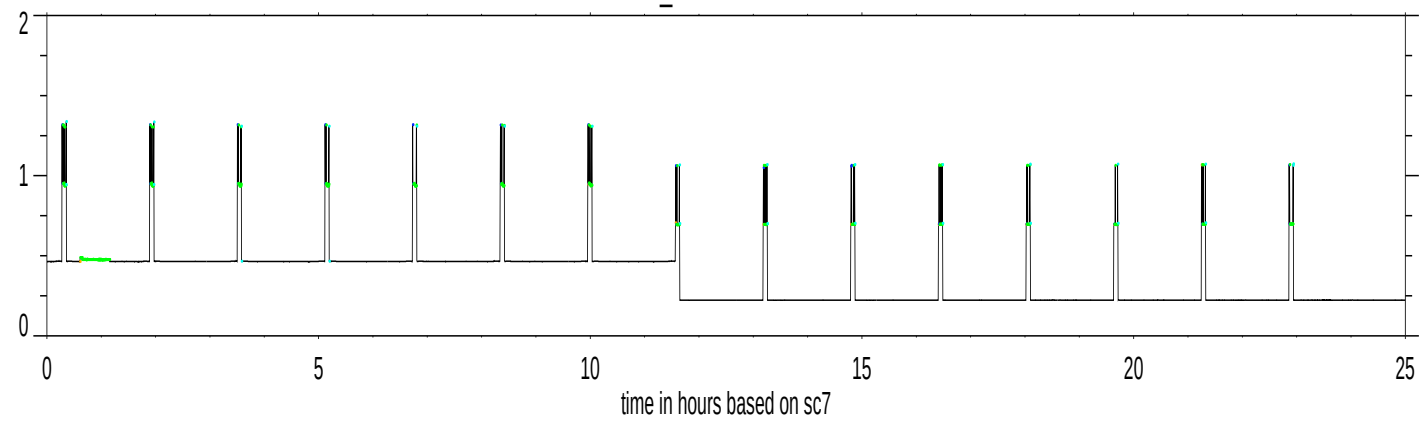

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020019


stat_xps_cnt
time in hours from 0 UT 2020019

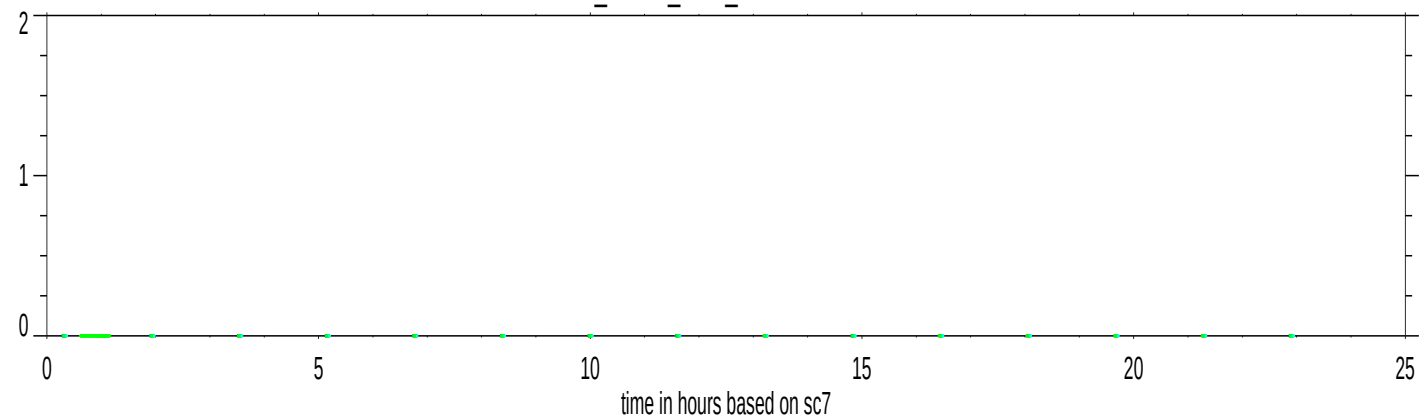

stat_xps_num
time in hours from 0 UT 2020019


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020019

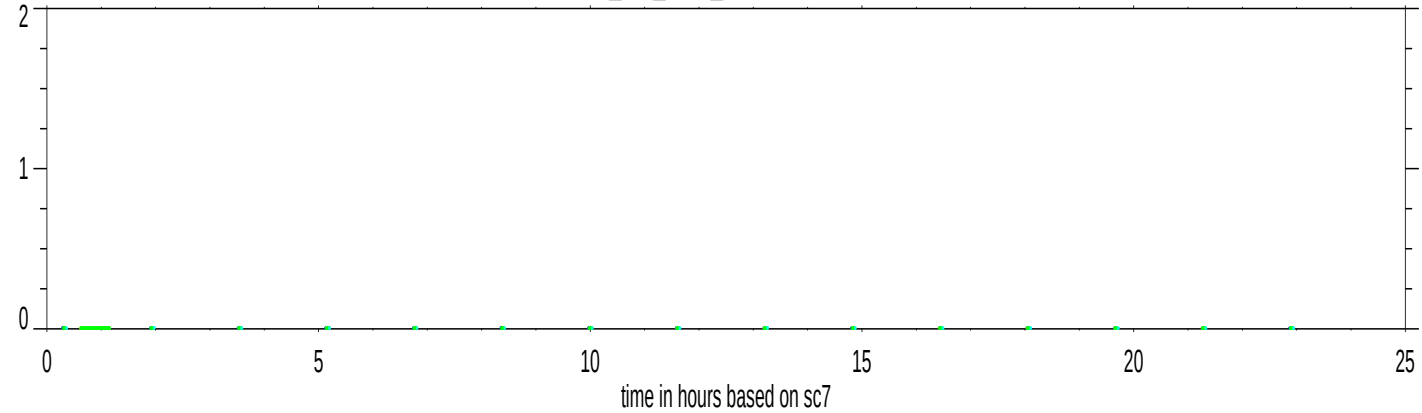
SEE_CUR 2020019



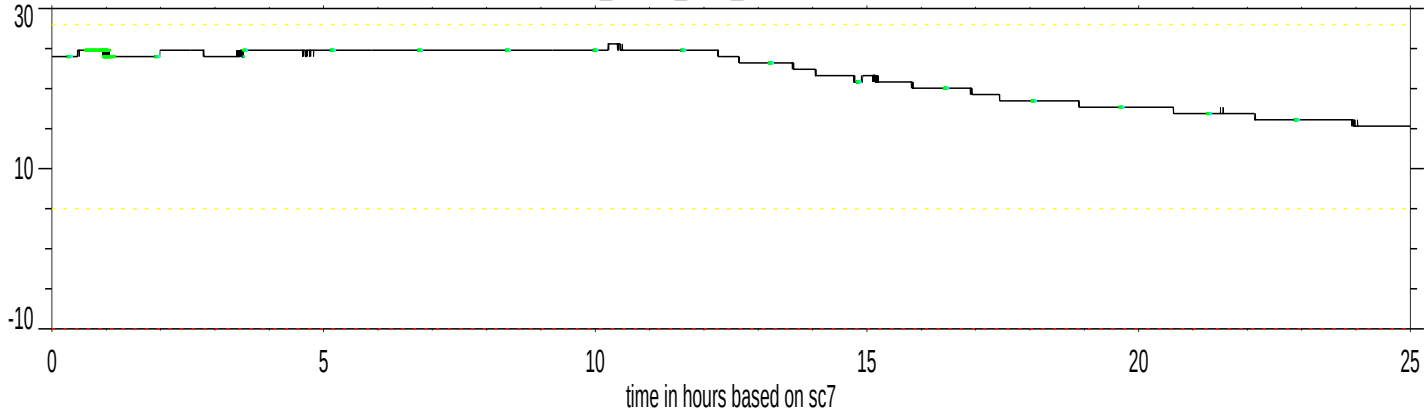
SEE_SURV_HTR_CUR 2020019



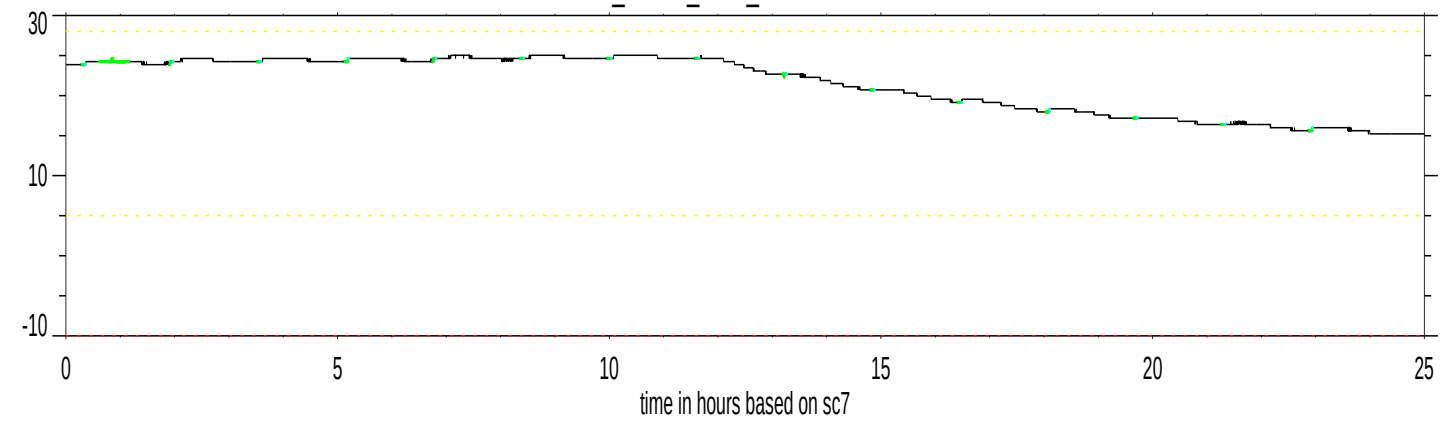
SEE_OP_HTR_CUR 2020019



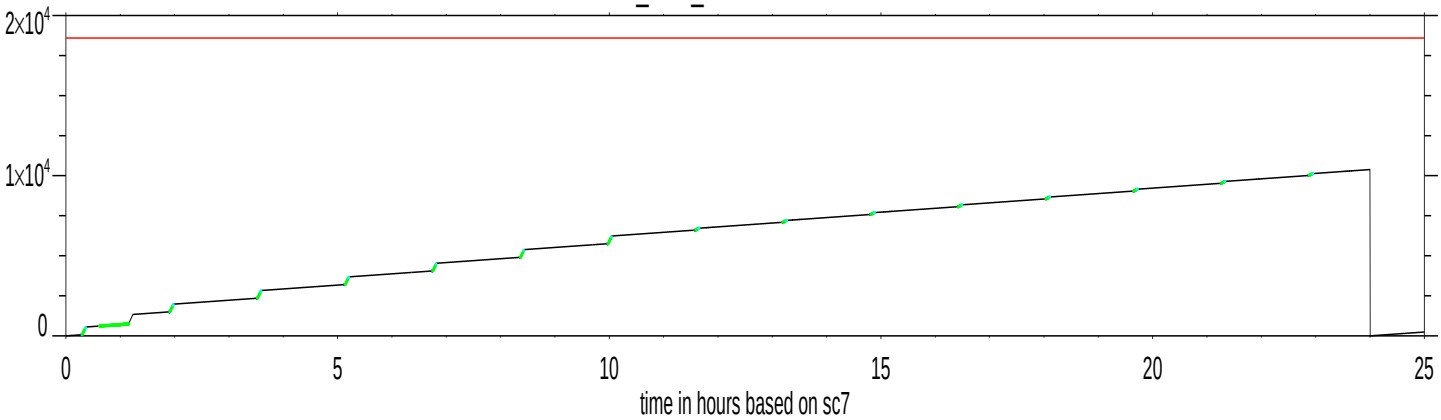
SSPP_BHND_XPS_TEMP 2020019



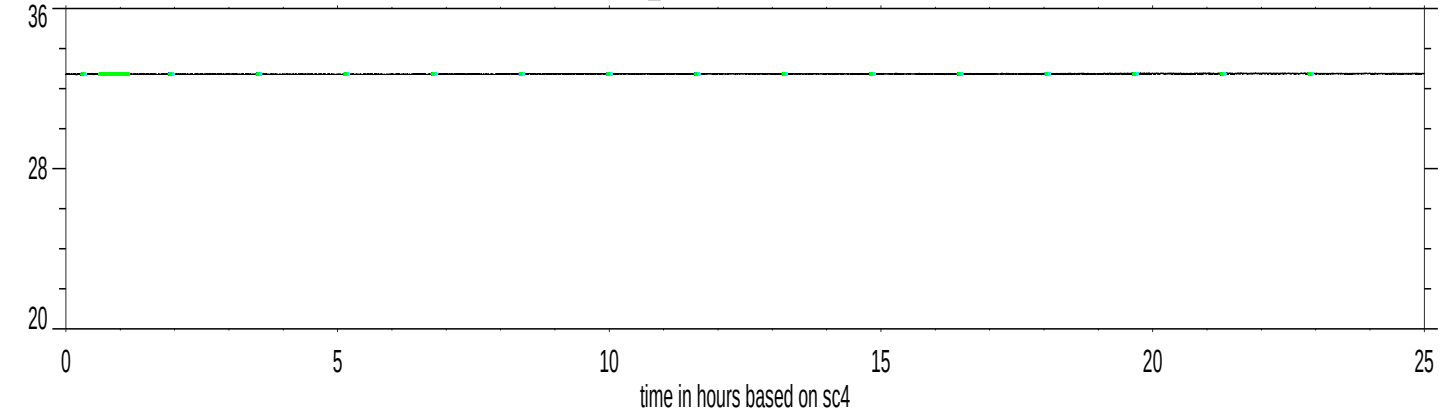
SSPP_BHND_MTR_TEMP 2020019



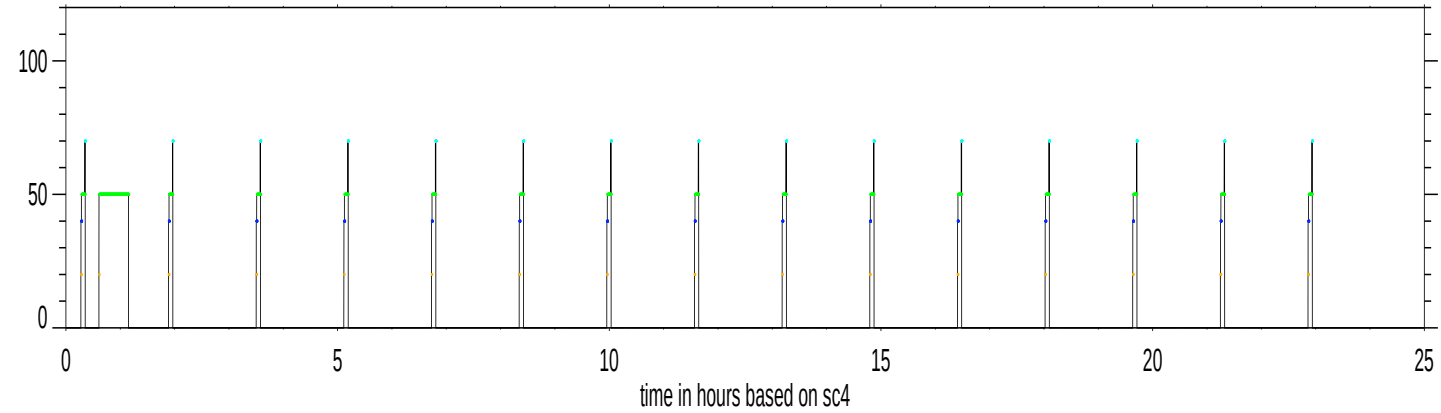
SEE_PKT_COUNT 2020019

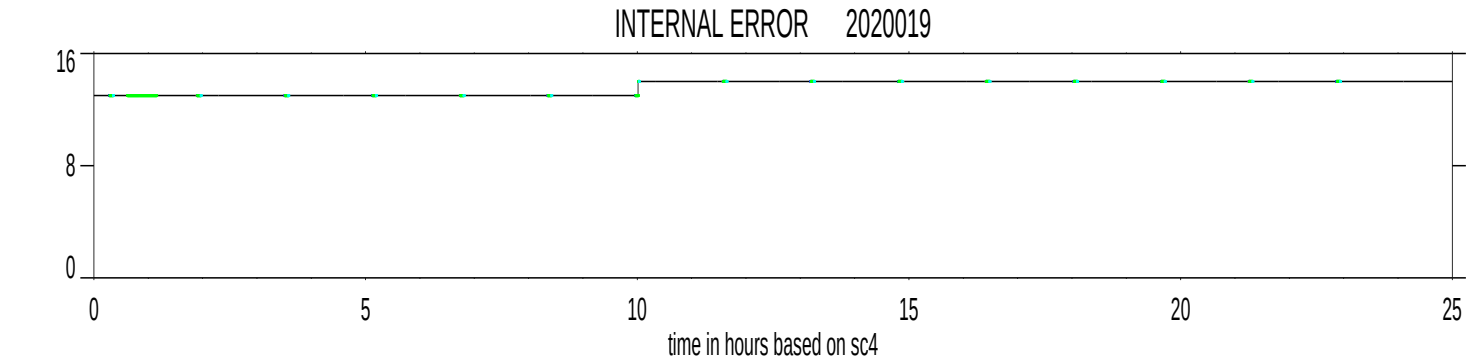


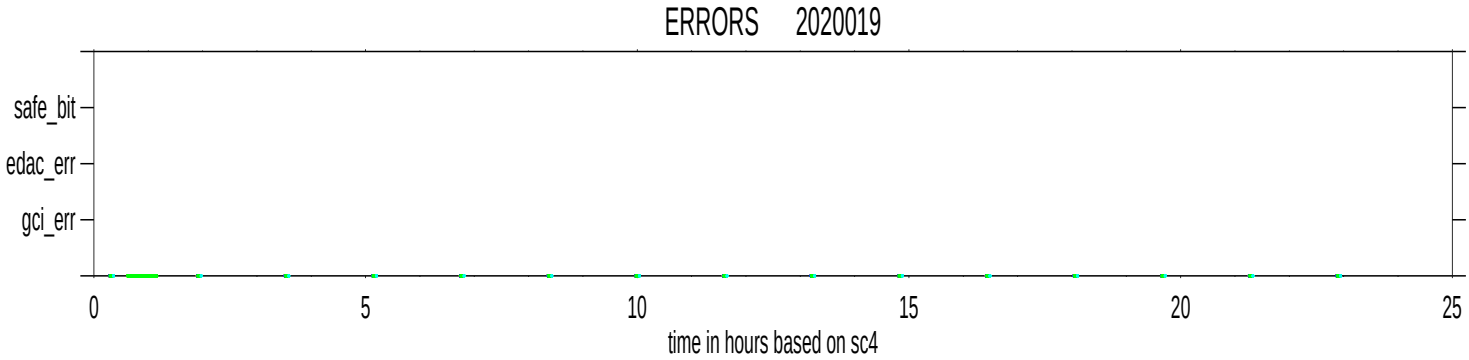
BUS_VOLTAGE 2020019

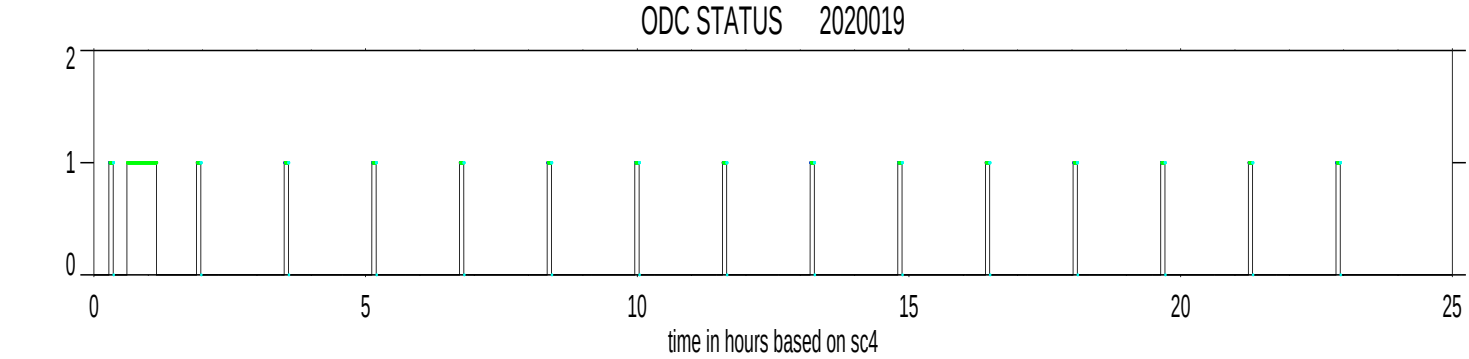


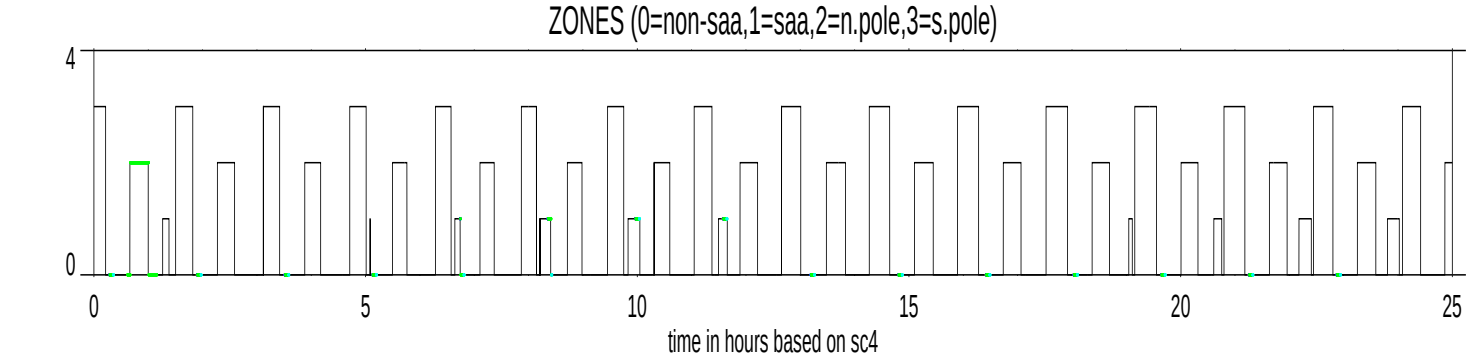
SEE_MU Operational Mode 2020019

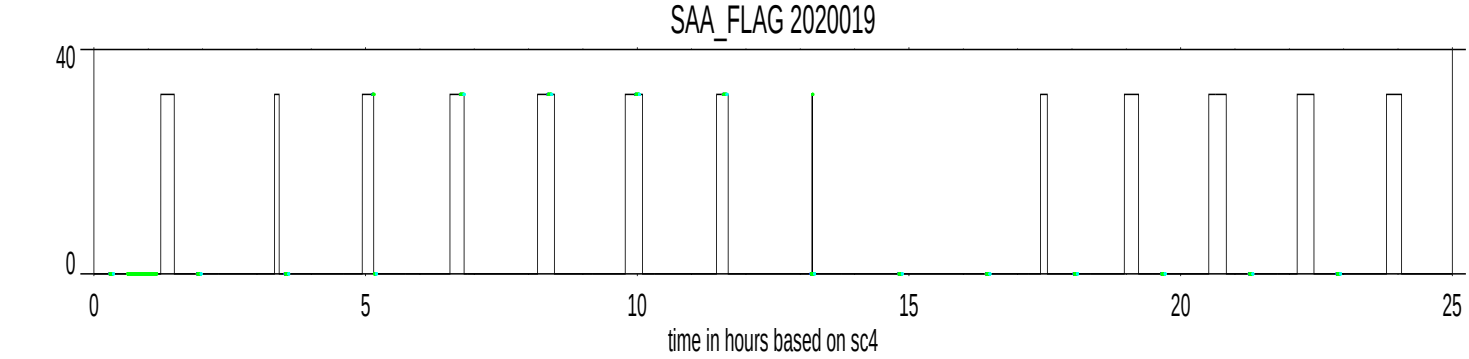


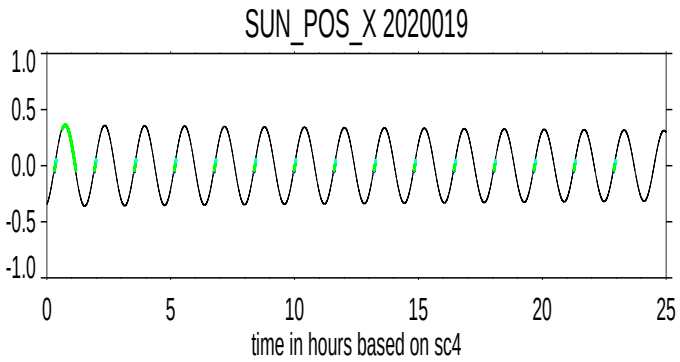

INTERNAL ERROR 2020019
16
8
0
0
5
10
15
20
25
time in hours based on sc4

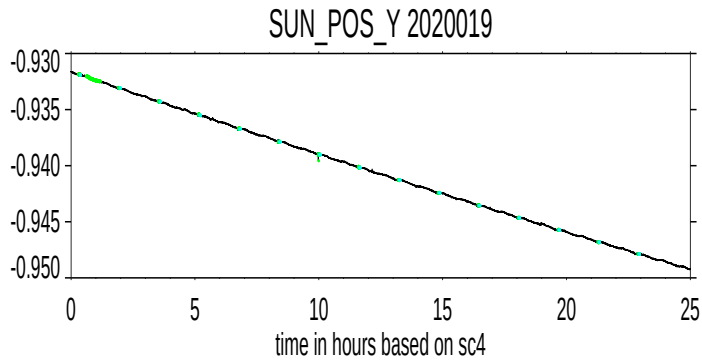

ERRORS 2020019
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

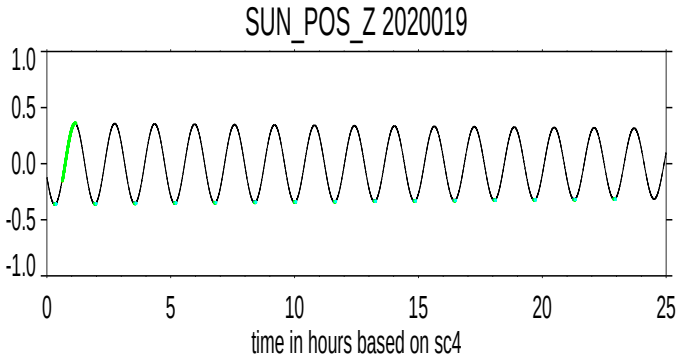

ODC STATUS 2020019
2
1
0
0
5
10
15
20
25
time in hours based on sc4

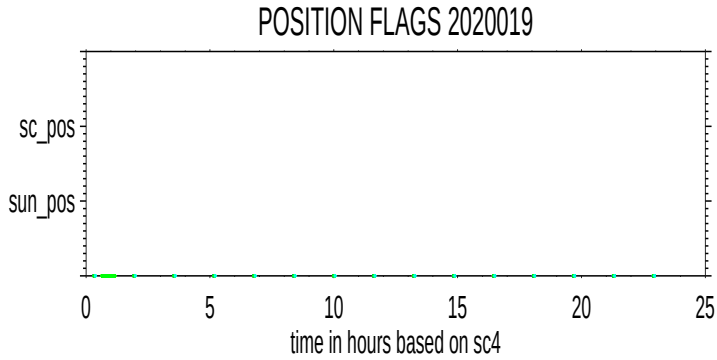

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

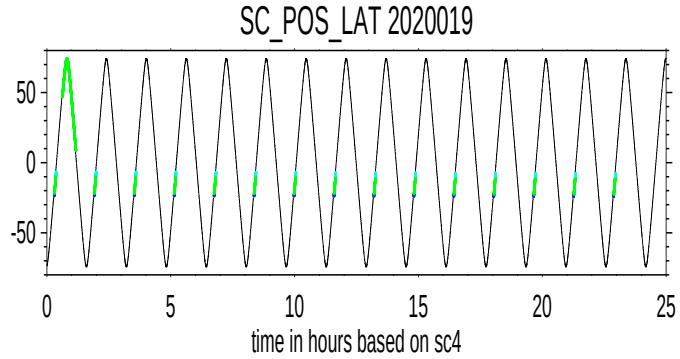

SAA_FLAG 2020019
40
0
0
5
10
15
20
25
time in hours based on sc4

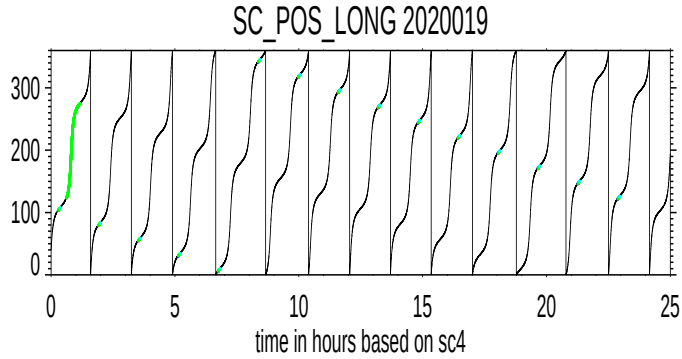

SUN_POS_X 2020019
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

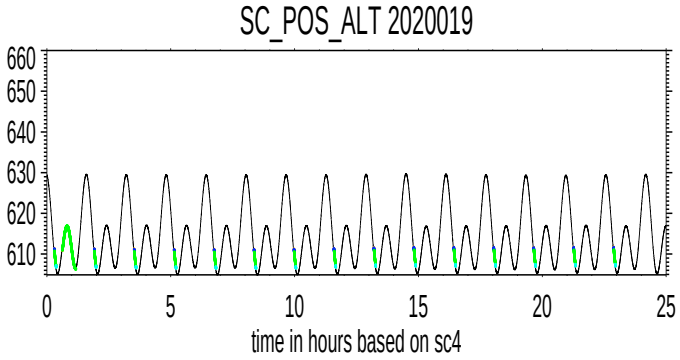

SUN_POS_Y 2020019
-0.930
-0.935
-0.940
-0.945
-0.950
0
5
10
15
20
25
time in hours based on sc4

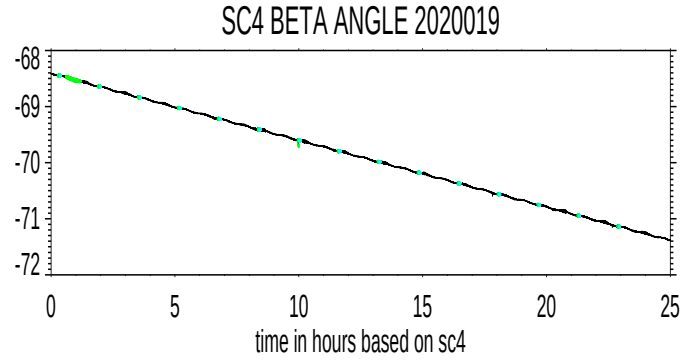

SUN_POS_Z 2020019
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020019
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020019
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020019
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020019
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020019
-68
-69
-70
-71
-72
0
5
10
15
20
25
time in hours based on sc4