```
Information for      2020081
20:48:55.002: see_stat[1]: 15 internal error
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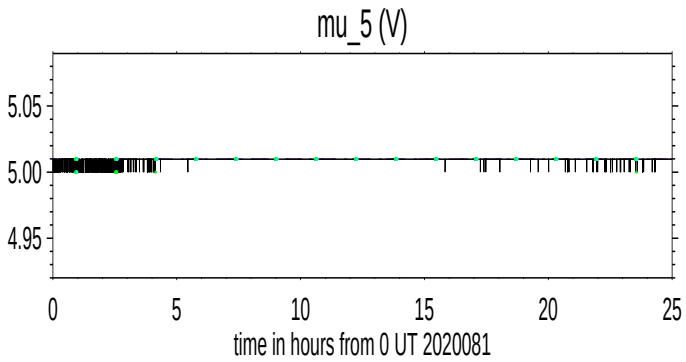
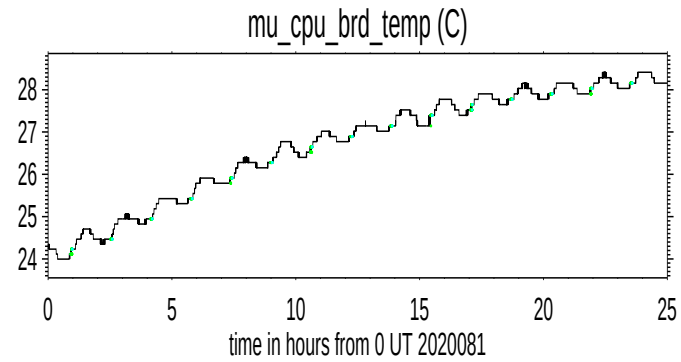

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020081


mu_cpu_brd_temp (C)
28
27
26
25
24
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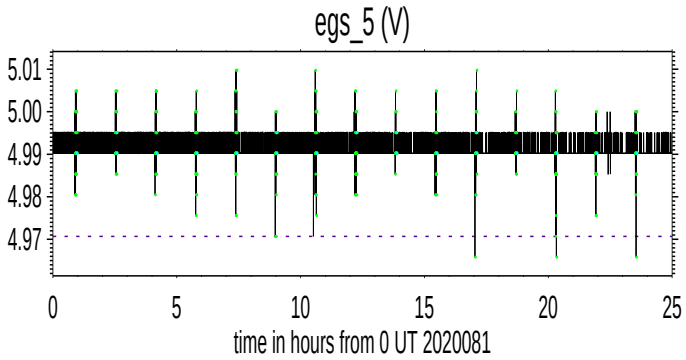
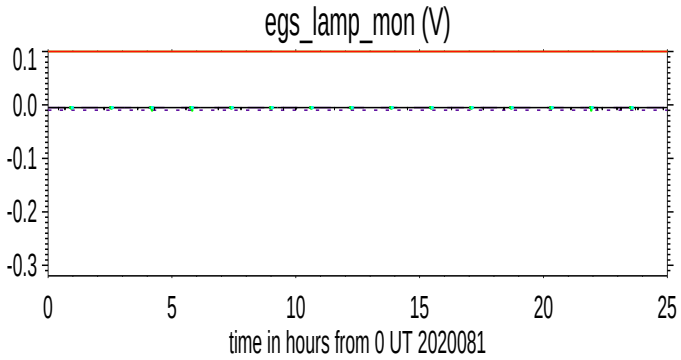
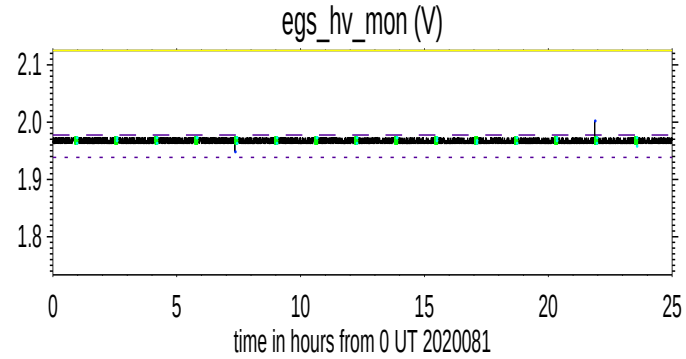
5
10
15
20
25
time in hours from 0 UT 2020081


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 2020081


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 2020081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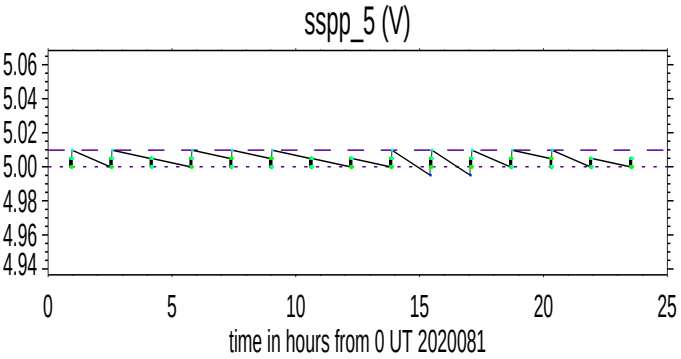
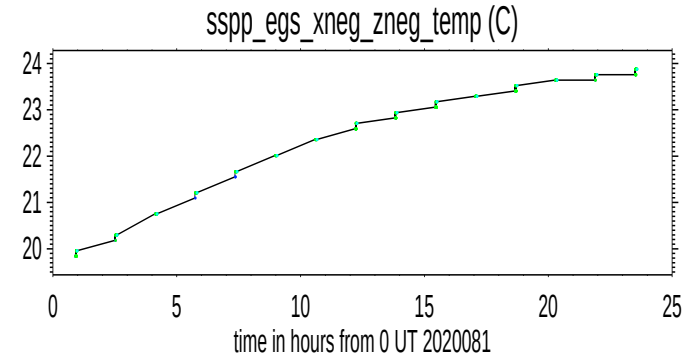
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2020081


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 2020081


sspp_egs_xneg_zneg_temp (C)
24
23
22
21
20
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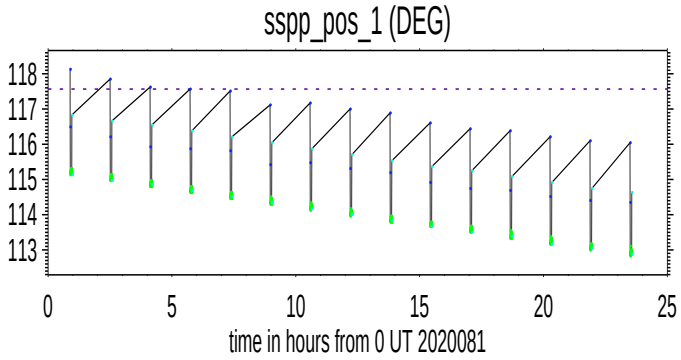
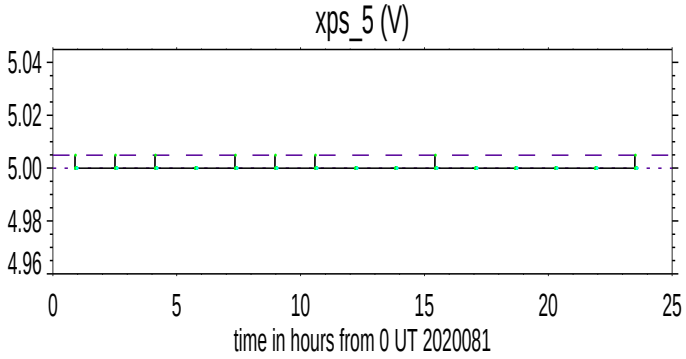
5
10
15
20
25
time in hours from 0 UT 2020081


sspp_pos_1 (DEG)
118
117
116
115
114
113
0
5
10
15
20
25
time in hours from 0 UT 2020081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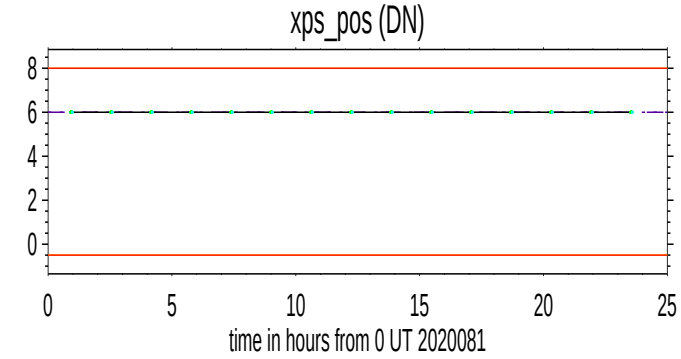
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020081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6
4
2
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10
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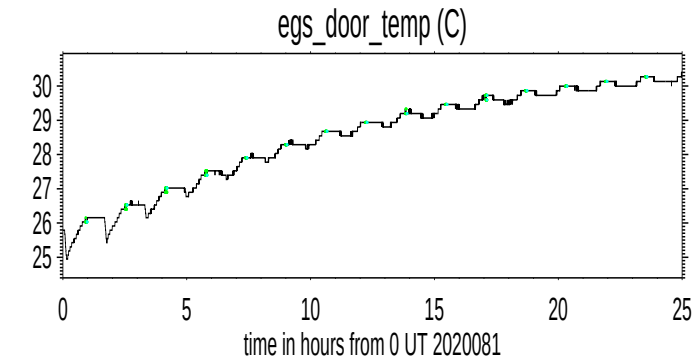
25
time in hours from 0 UT 2020081


egs_door_temp (C)
30
29
28
27
26
25
0
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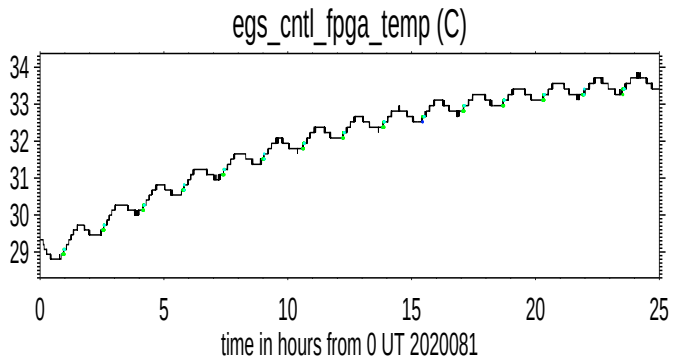
10
15
20
25
time in hours from 0 UT 2020081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34
33
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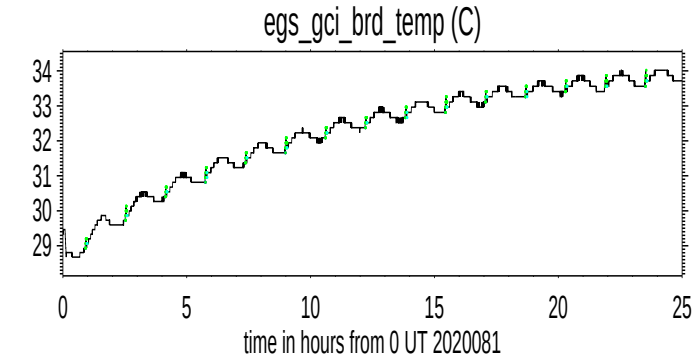
29
0
5
10
15
20
25
time in hours from 0 UT 2020081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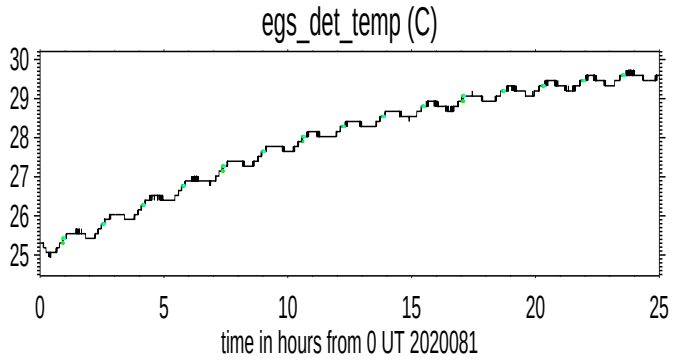
34
33
32
31
30
29
0
5
10
15
20
25
time in hours from 0 UT 2020081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30
29
28
27
26
25
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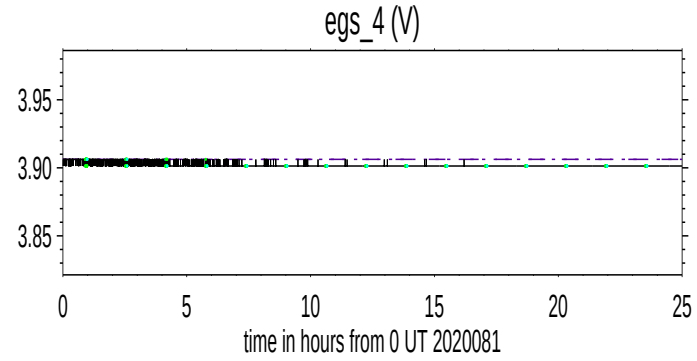
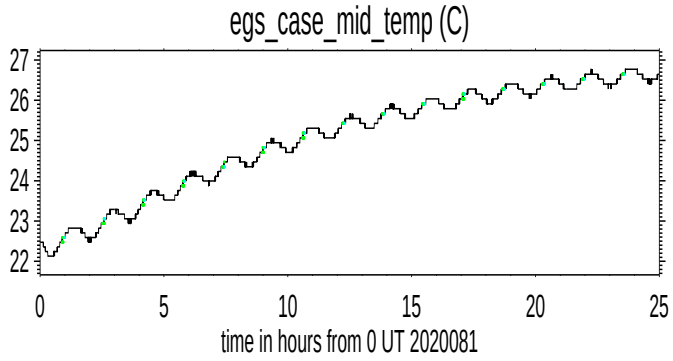
5
10
15
20
25
time in hours from 0 UT 2020081


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020081


egs_case_mid_temp (C)
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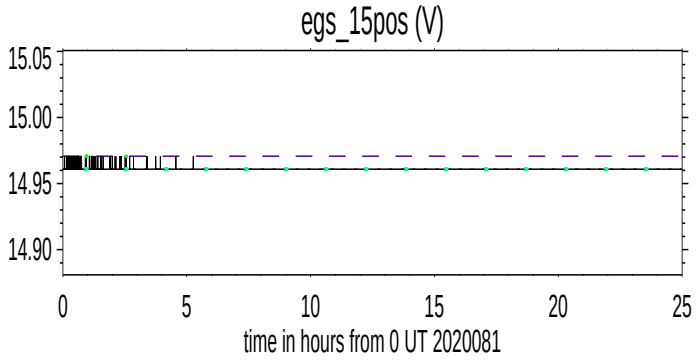
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2020081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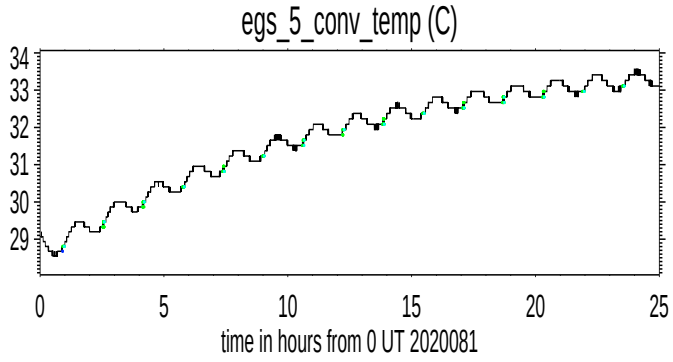
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020081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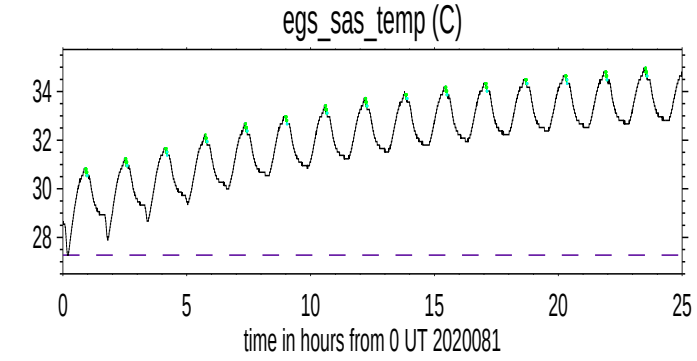
33
32
31
30
29
0
5
10
15
20
25
time in hours from 0 UT 2020081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32
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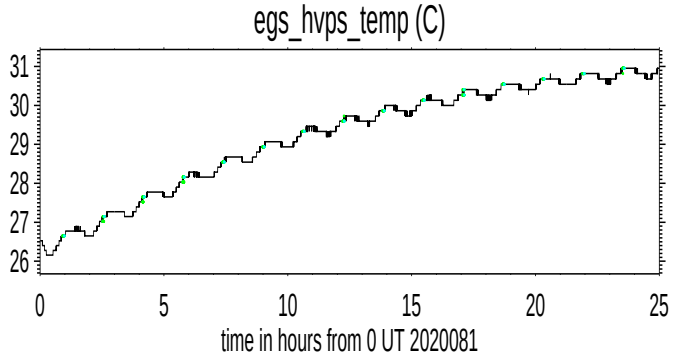
28
0
5
10
15
20
25
time in hours from 0 UT 2020081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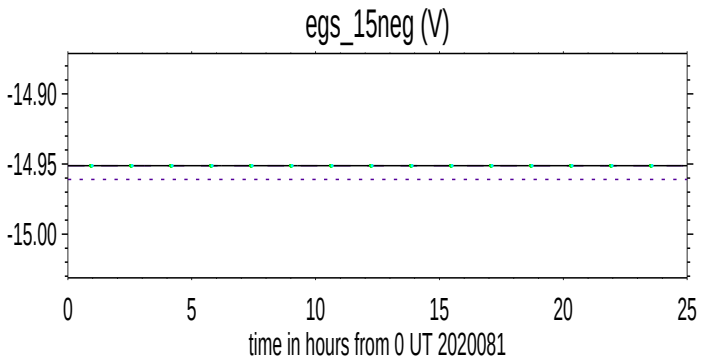
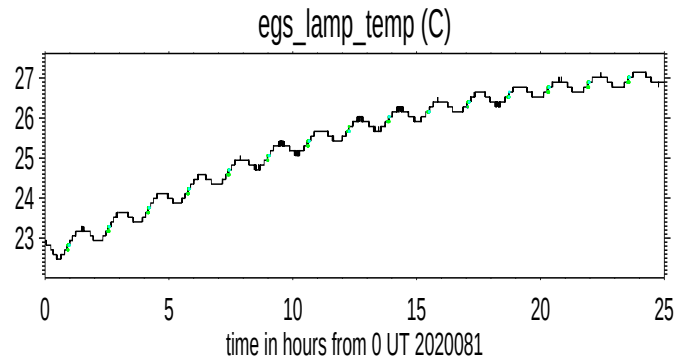
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020081


egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2020081


egs_lamp_temp (C)
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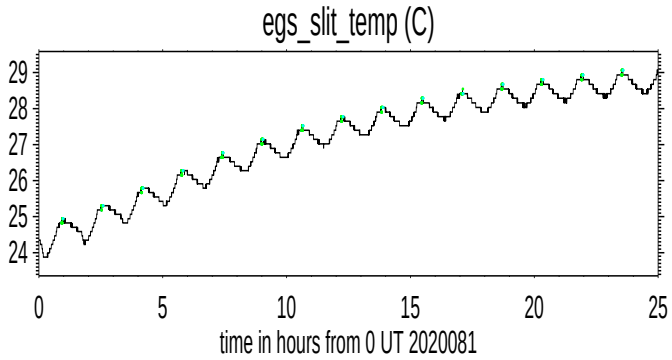
26
25
24
23
0 5 10 15 20 25
time in hours from 0 UT 2020081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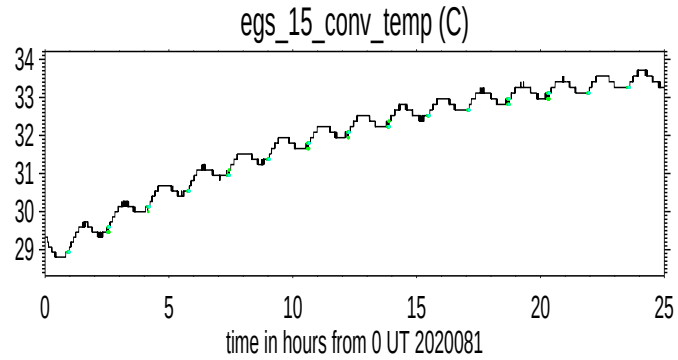
29
28
27
26
25
24
0 5 10 15 20 25
time in hours from 0 UT 2020081


egs_15_conv_temp (C)
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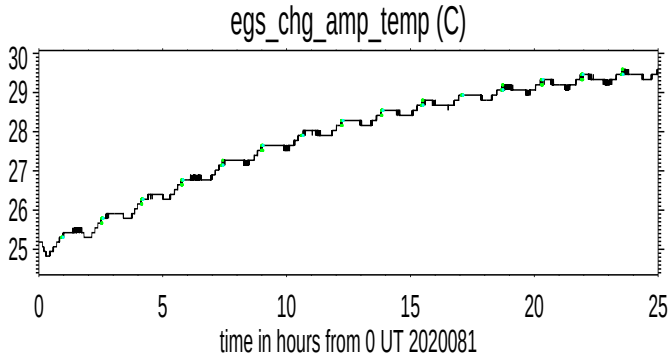
32
31
30
29
0 5 10 15 20 25
time in hours from 0 UT 2020081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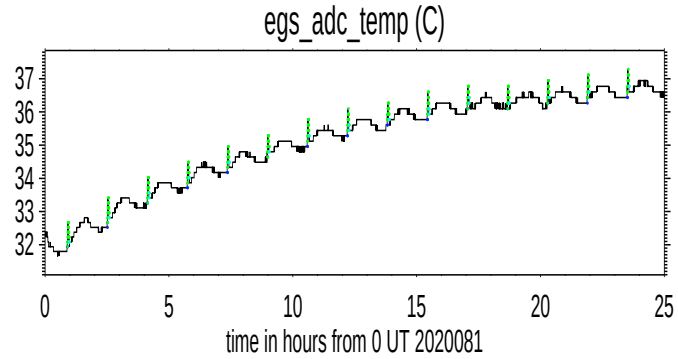
29
28
27
26
25
0 5 10 15 20 25
time in hours from 0 UT 2020081


egs_adc_temp (C)
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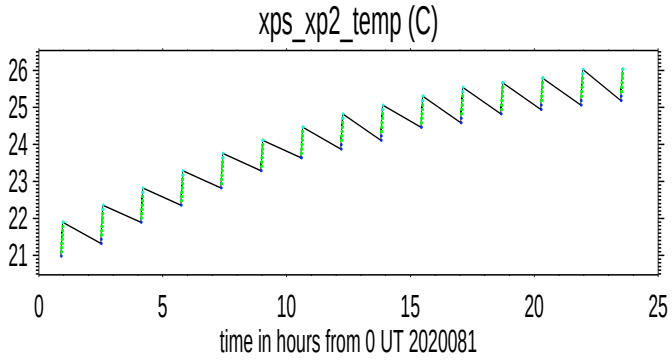
36
35
34
33
32
0 5 10 15 20 25
time in hours from 0 UT 2020081


xps_xp2_temp (C)
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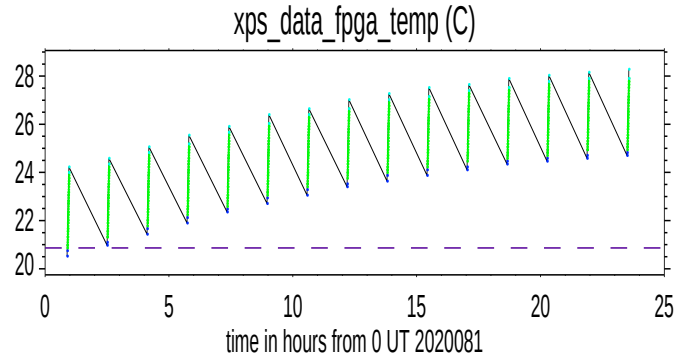
25
24
23
22
21
0 5 10 15 20 25
time in hours from 0 UT 2020081


xps_data_fpga_temp (C)
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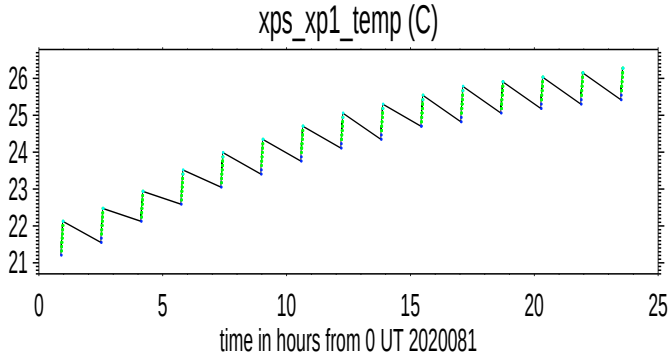
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2020081


xps_xp1_temp (C)
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24
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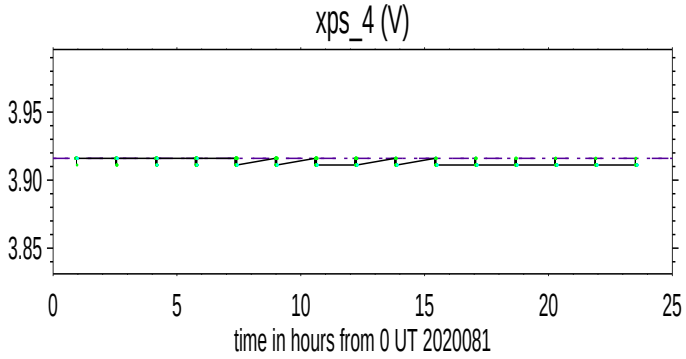
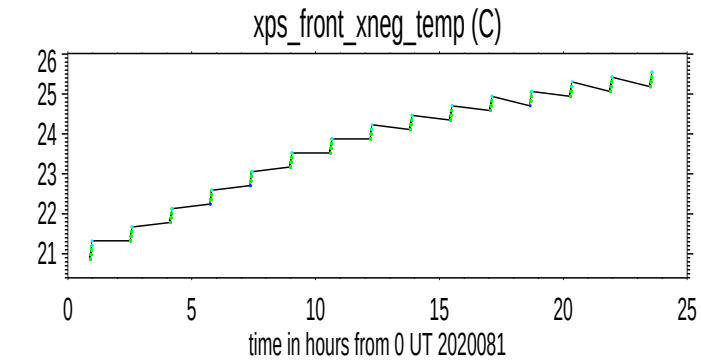
22
21
0 5 10 15 20 25
time in hours from 0 UT 2020081


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2020081


xps_front_xneg_temp (C)
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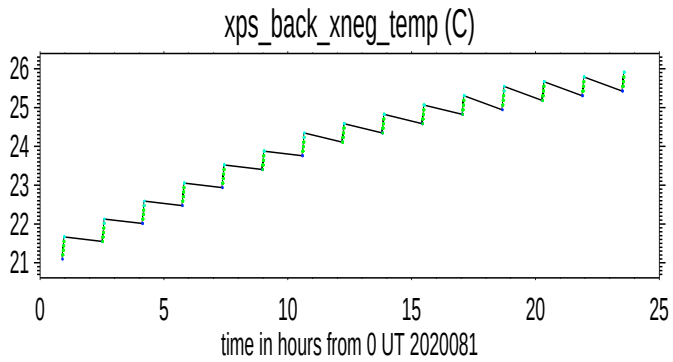
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081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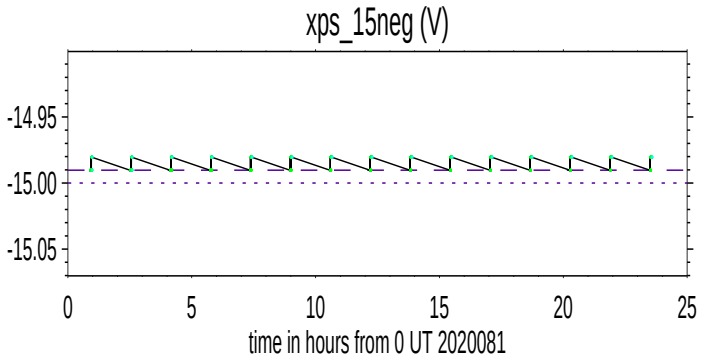
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081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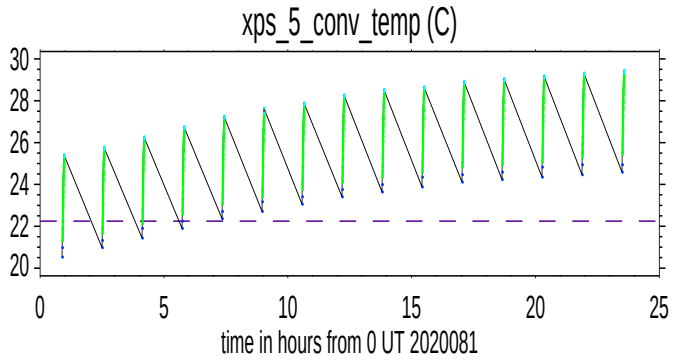
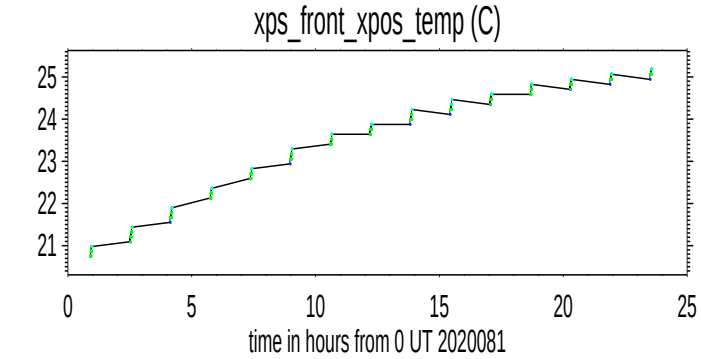
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_5_conv_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_front_xpos_temp (C)
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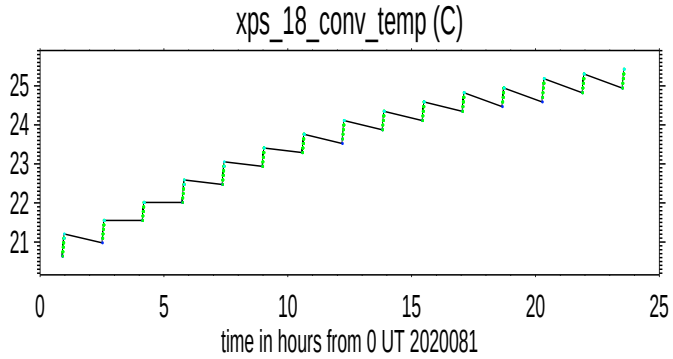
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081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25
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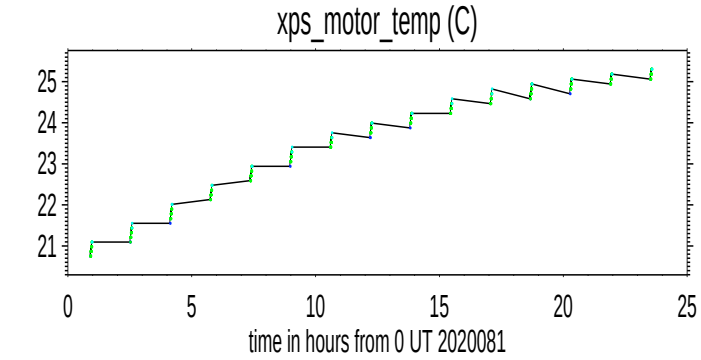
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_motor_temp (C)
25
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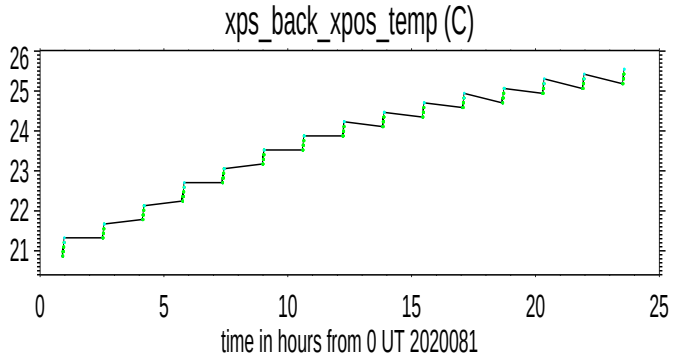
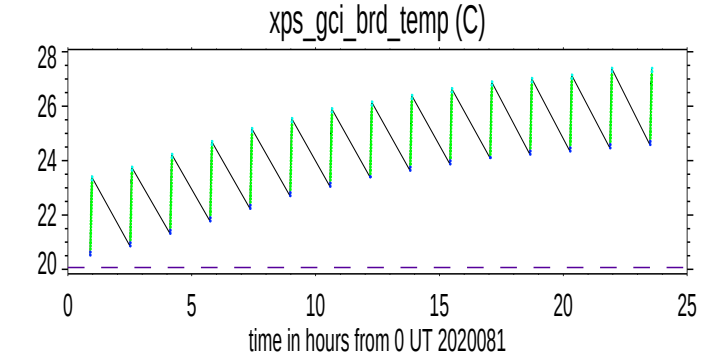
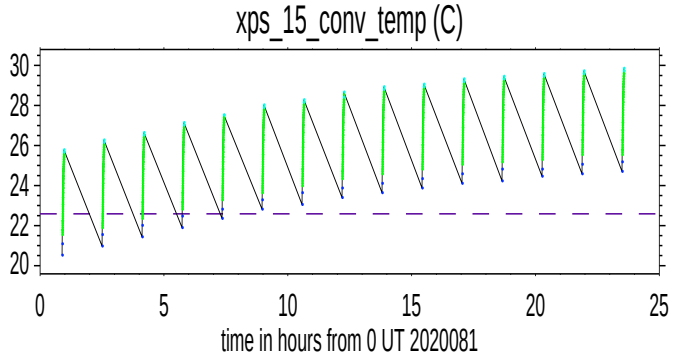
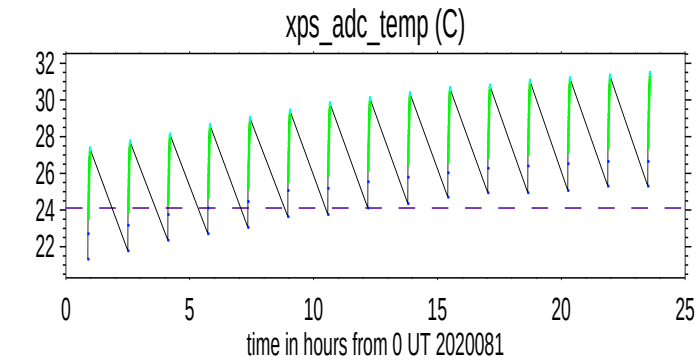
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_back_xpos_temp (C)
26
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_gci_brd_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_15_conv_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020081


xps_adc_temp (C)
32
30
28
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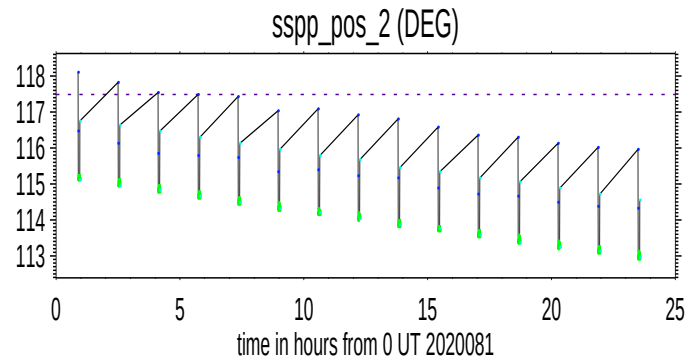
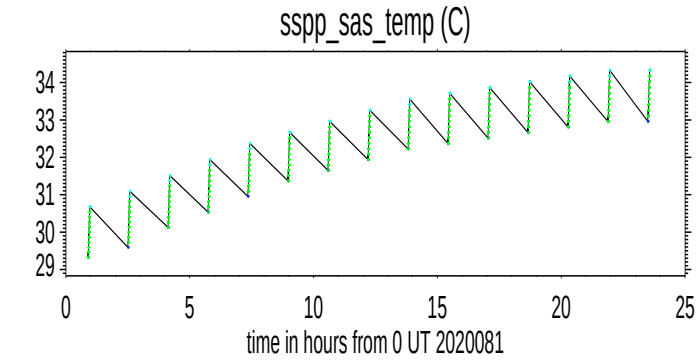
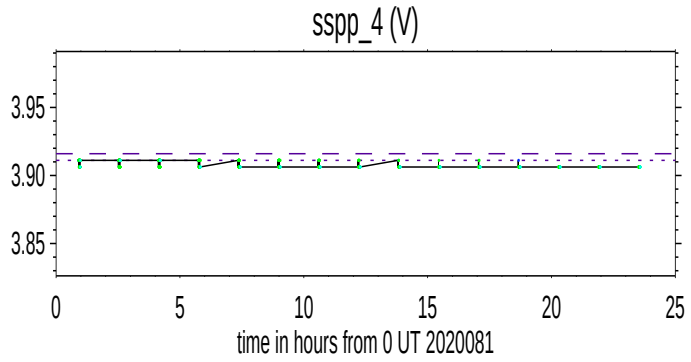
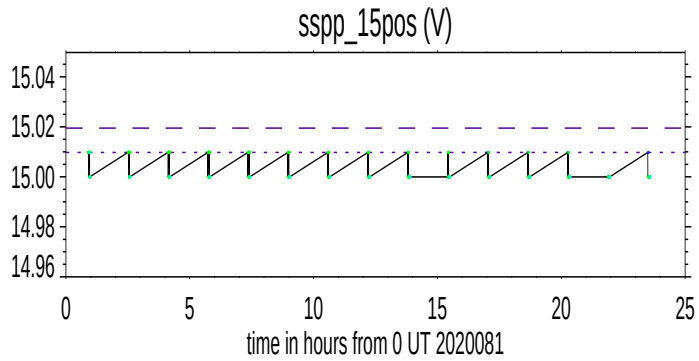
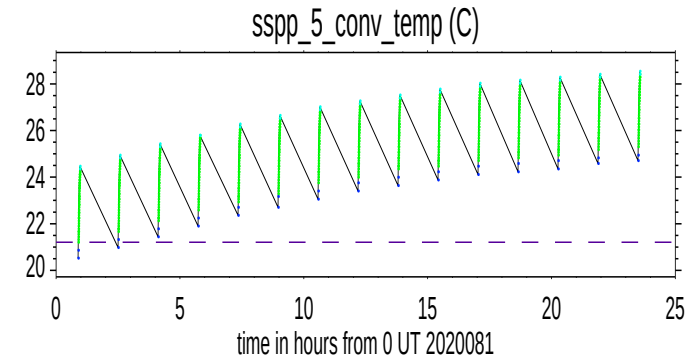
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020081

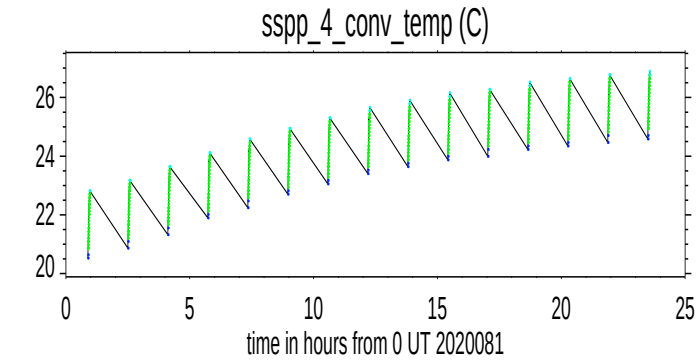

sspp_pos_2 (DEG)
118
117
116
115
114
113
0
5
10
15
20
25
time in hours from 0 UT 2020081

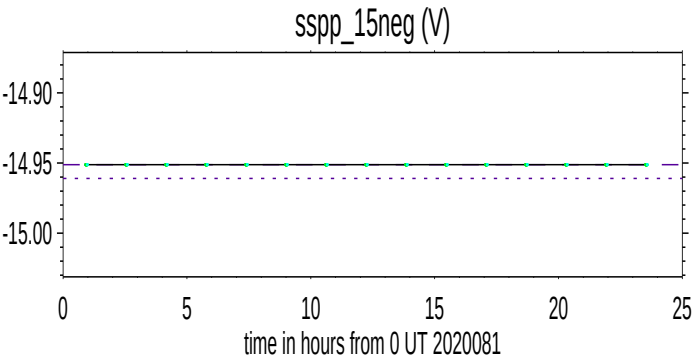

sspp_sas_temp (C)
34
33
32
31
30
29
0
5
10
15
20
25
time in hours from 0 UT 2020081

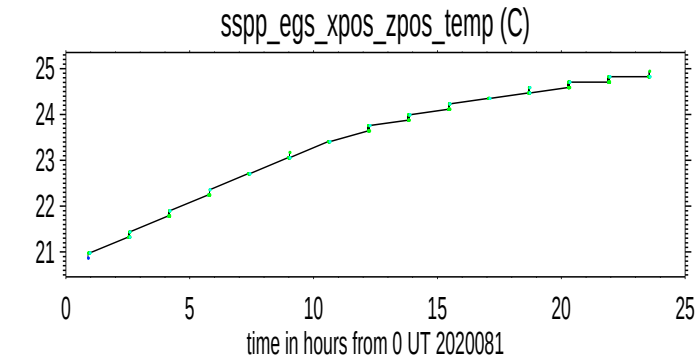

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020081

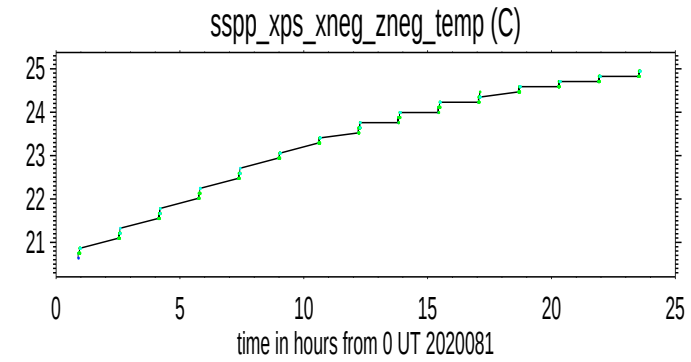

sspp_15pos (V)
15.04
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2020081

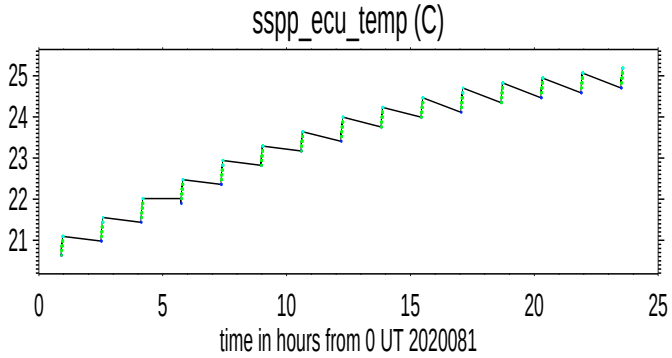

sspp_5_conv_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020081

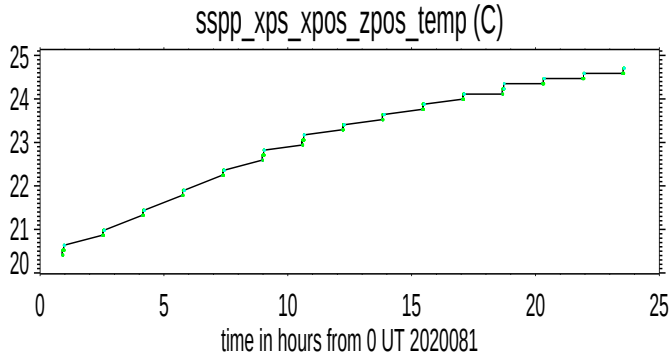

sspp_4_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020081

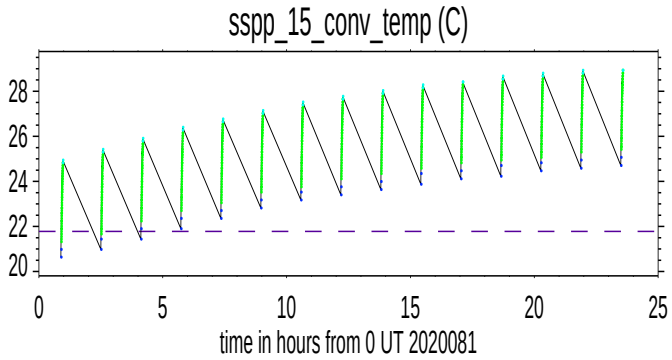

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020081

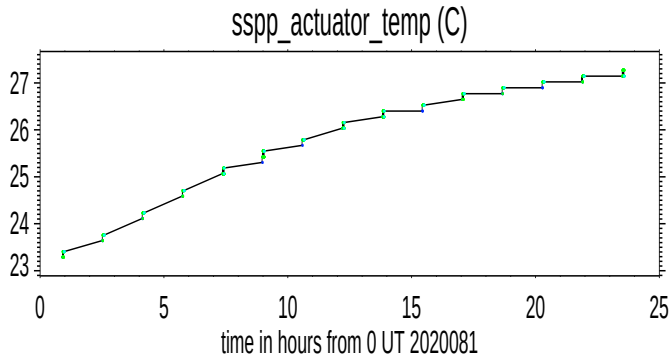

sspp_egs_xpos_zpos_temp (C)
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081

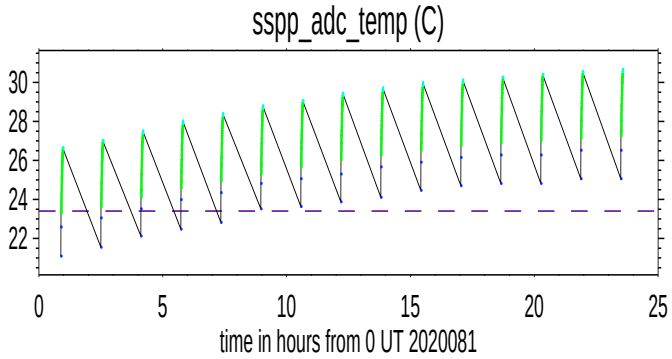

sspp_xps_xneg_zneg_temp (C)
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020081

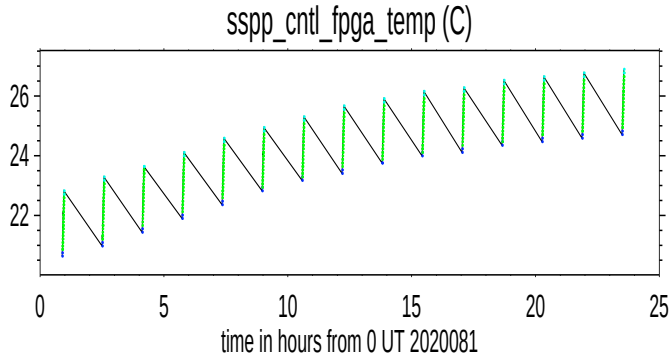

sspp_ecu_temp (C)
time in hours from 0 UT 2020081

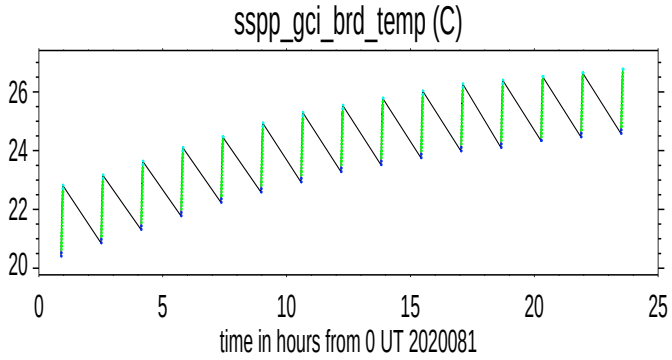

sspp_xps_xpos_zpos_temp (C)
time in hours from 0 UT 2020081

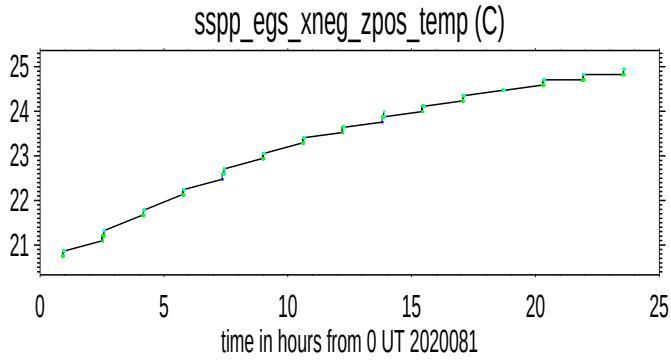

sspp_15_conv_temp (C)
time in hours from 0 UT 2020081

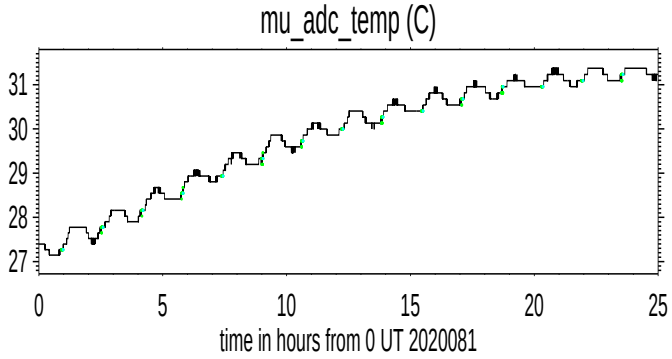

sspp_actuator_temp (C)
time in hours from 0 UT 2020081

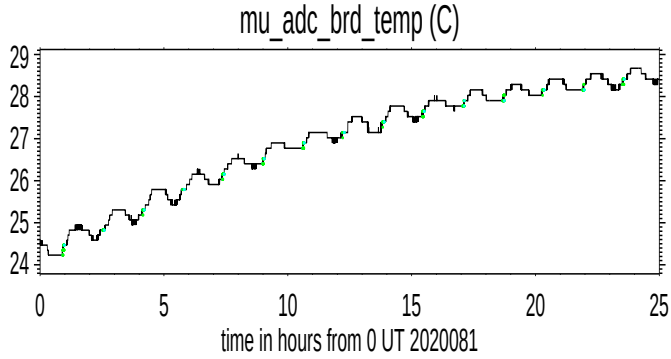

sspp_adc_temp (C)
time in hours from 0 UT 2020081

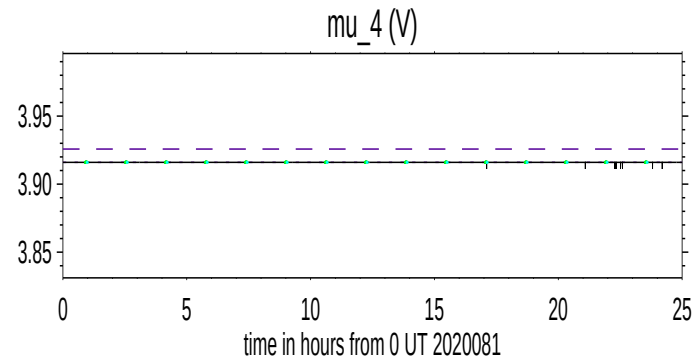

sspp_cntl_fpga_temp (C)
time in hours from 0 UT 2020081

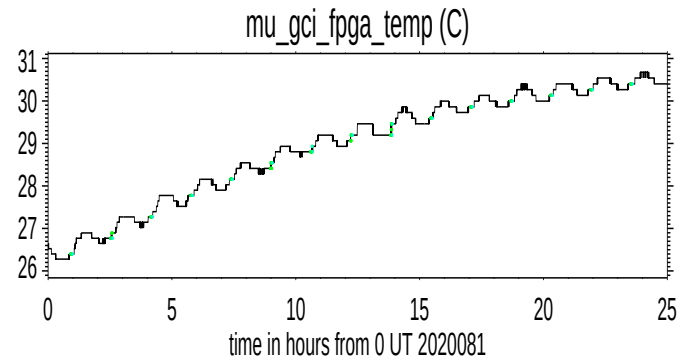

sspp_gci_brd_temp (C)
time in hours from 0 UT 2020081

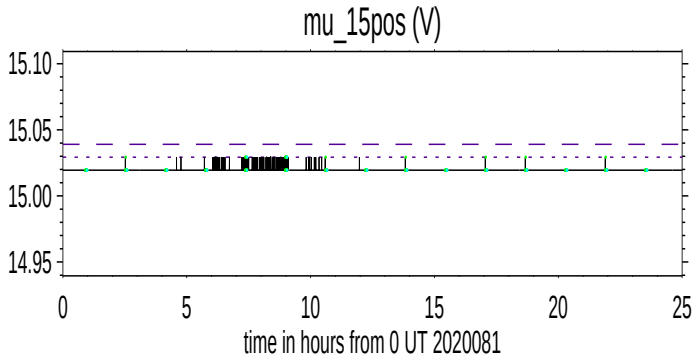

sspp_egs_xneg_zpos_temp (C)
time in hours from 0 UT 2020081

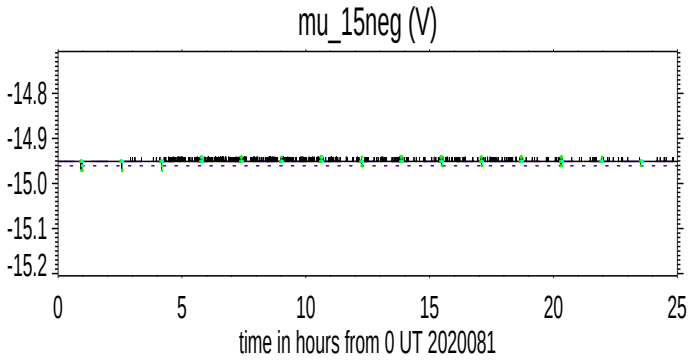

mu_adc_temp (C)
time in hours from 0 UT 2020081

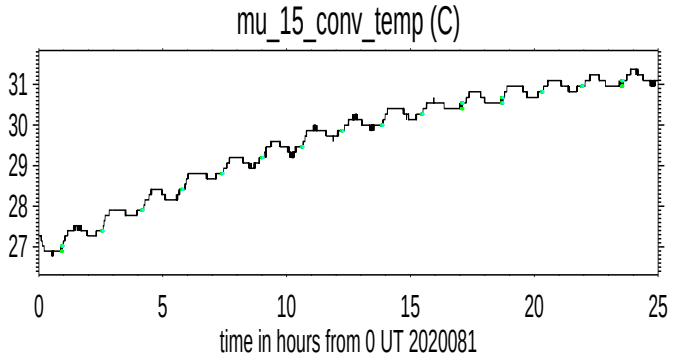

mu_adc_brd_temp (C)
time in hours from 0 UT 2020081

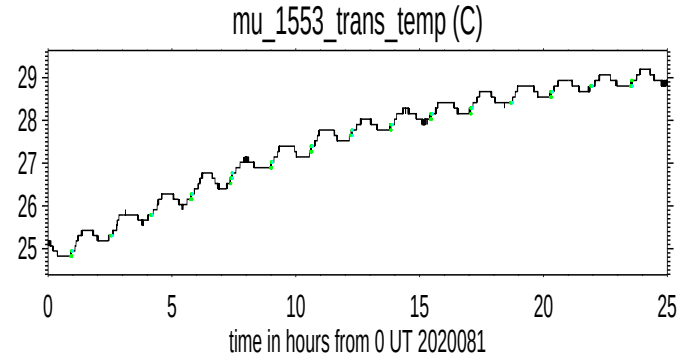

mu_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020081

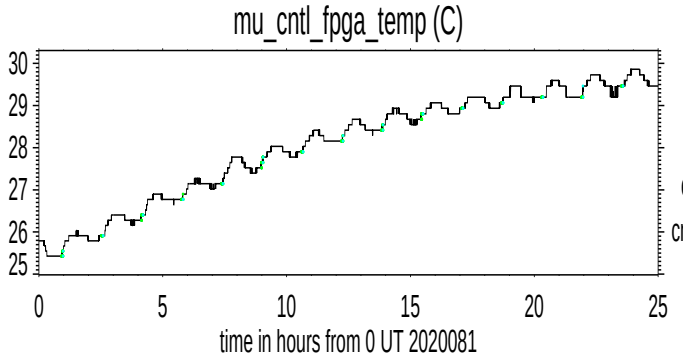

mu_gci_fpga_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020081

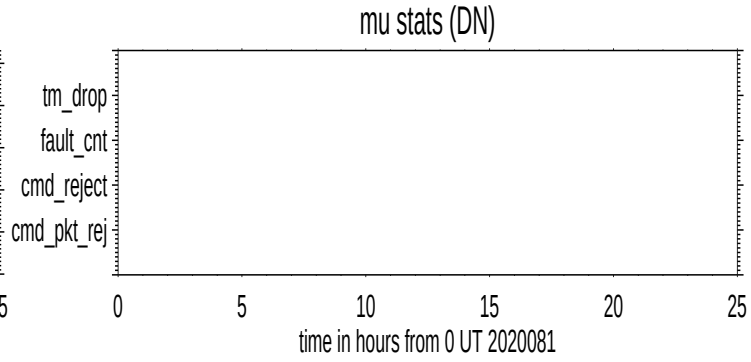

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2020081

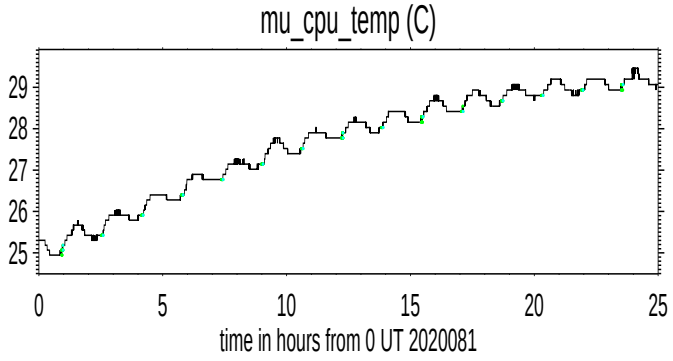

mu_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0
5
10
15
20
25
time in hours from 0 UT 2020081

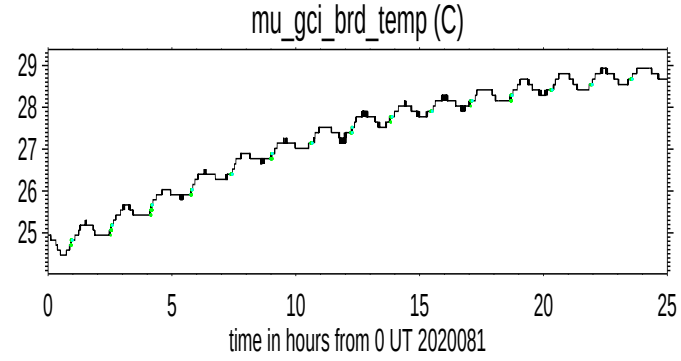

mu_15_conv_temp (C)
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2020081

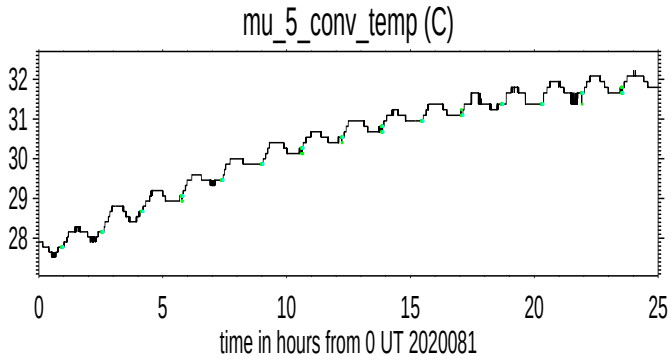

mu_1553_trans_temp (C)
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020081

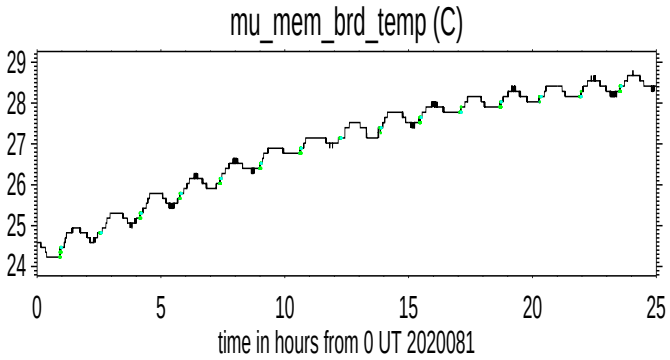

mu_cntl_fpga_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020081

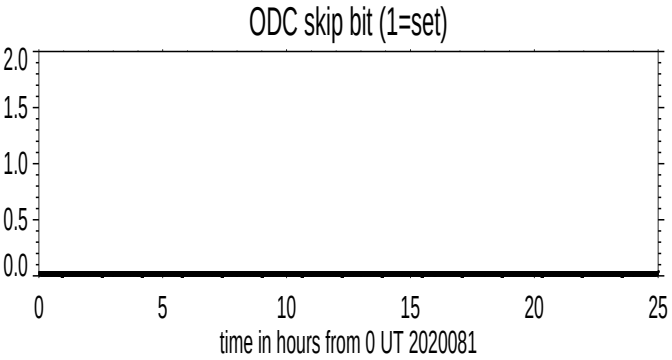

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2020081

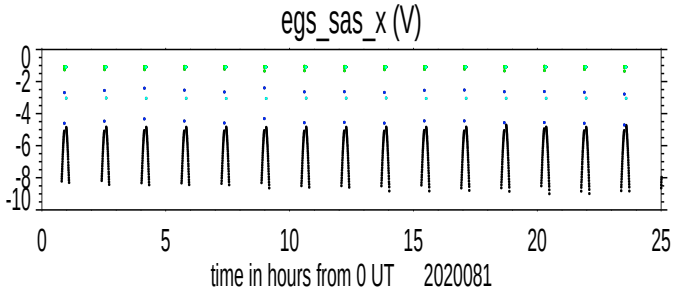

mu_cpu_temp (C)
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020081

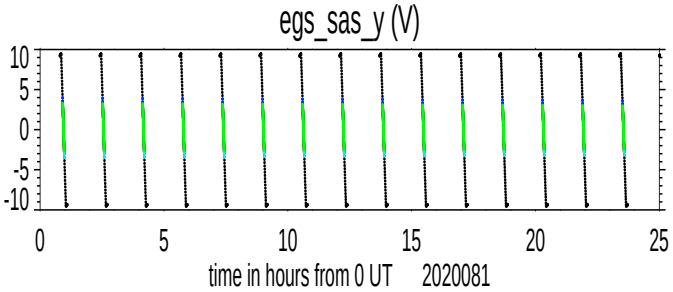

mu_gci_brd_temp (C)
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020081

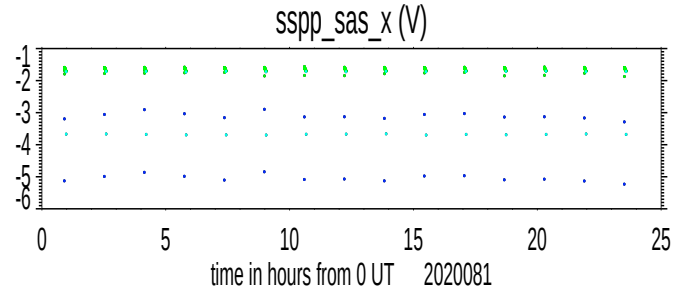

mu_5_conv_temp (C)
32
31
30
29
28
0
5
10
15
20
25
time in hours from 0 UT 2020081

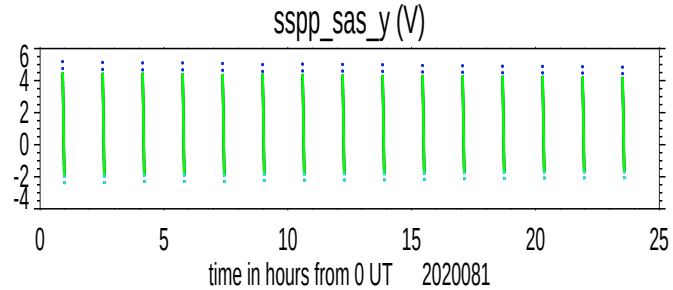

mu_mem_brd_temp (C)
29
28
27
26
25
24
0
5
10
15
20
25
time in hours from 0 UT 2020081

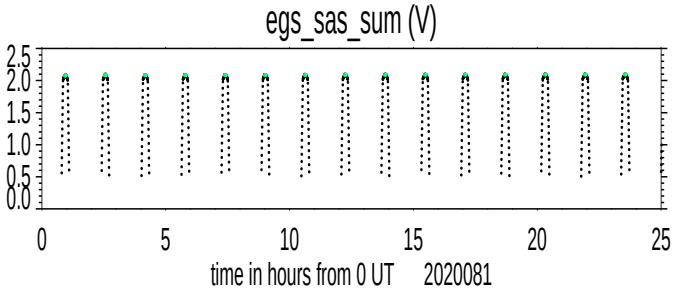

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020081

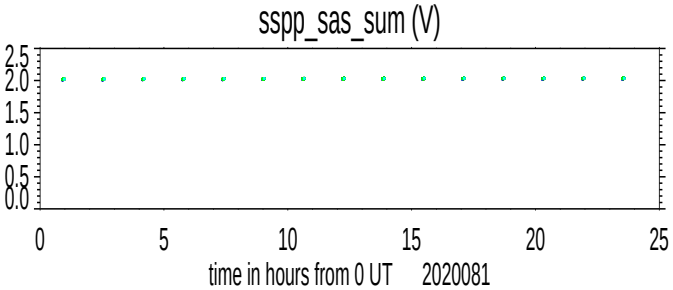

egs_sas_x (V)
time in hours from 0 UT 2020081

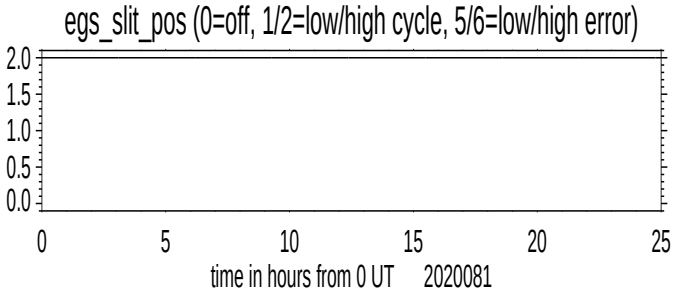

egs_sas_y (V)
time in hours from 0 UT 2020081

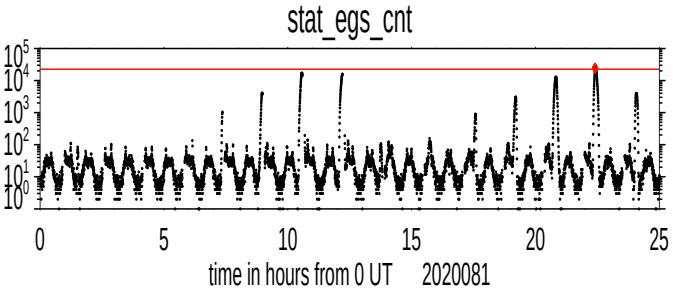

sspp_sas_x (V)
time in hours from 0 UT 2020081

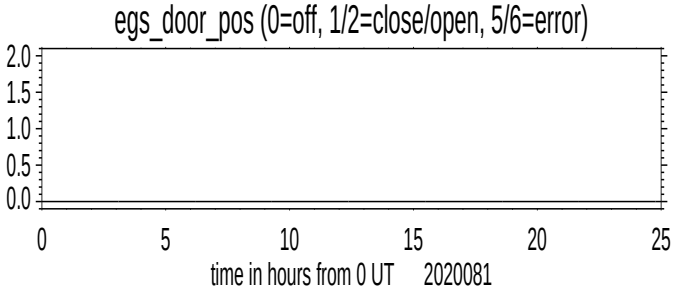

sspp_sas_y (V)
time in hours from 0 UT 2020081

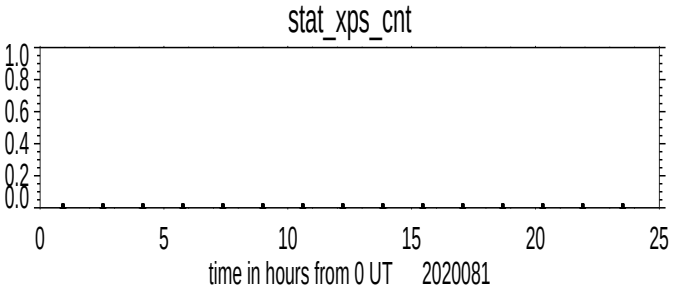

egs_sas_sum (V)
time in hours from 0 UT 2020081

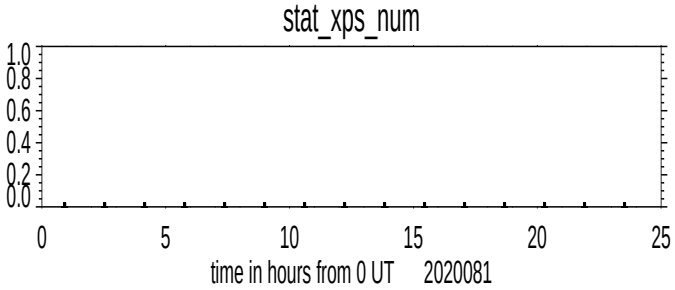

sspp_sas_sum (V)
time in hours from 0 UT 2020081

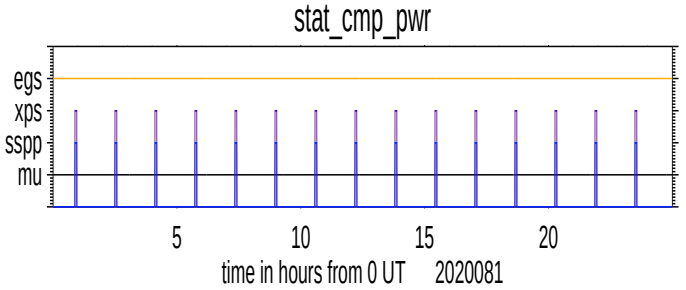

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020081


stat_egs_cnt
time in hours from 0 UT 2020081

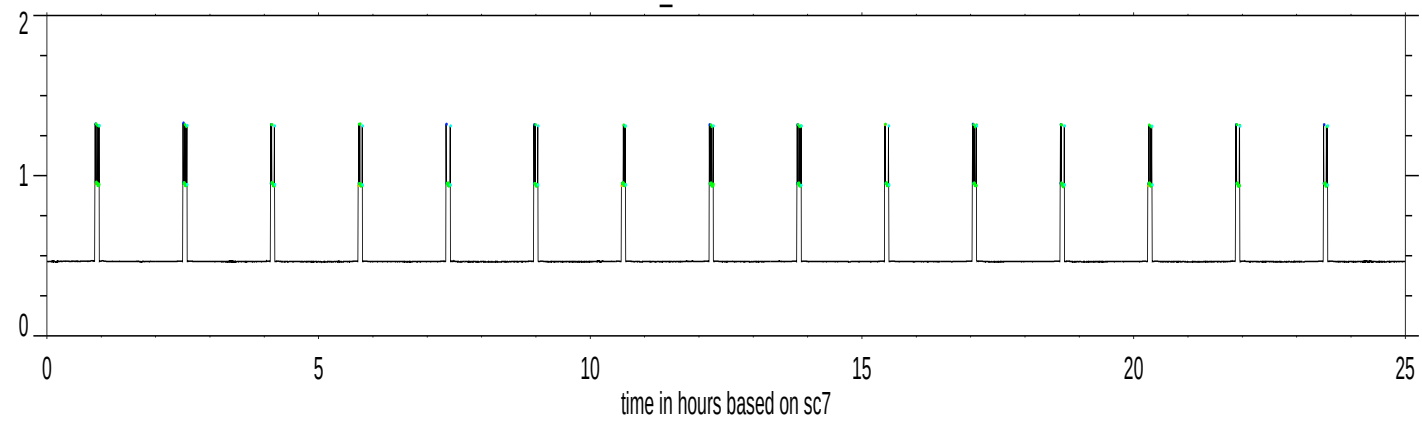

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020081


stat_xps_cnt
time in hours from 0 UT 2020081

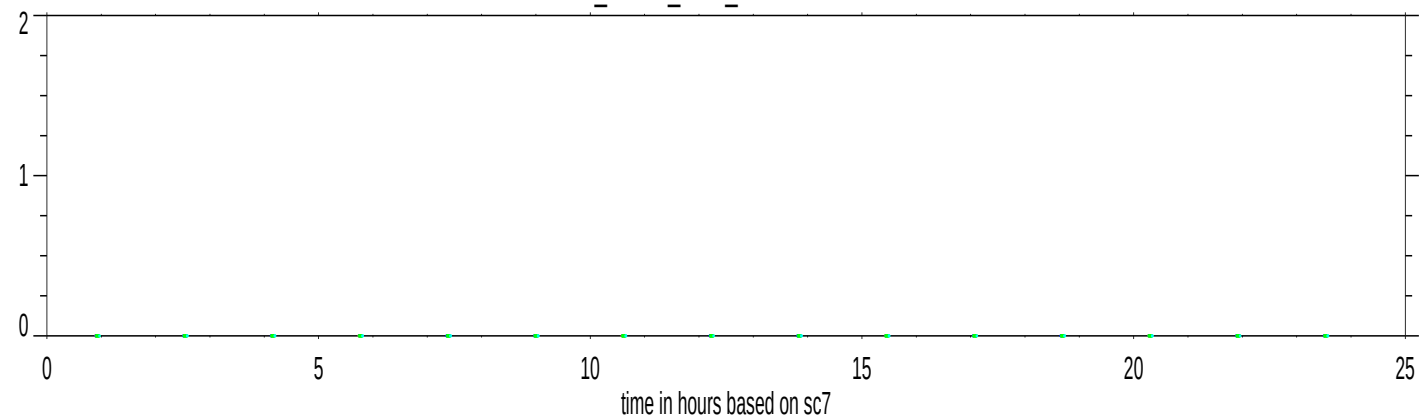

stat_xps_num
time in hours from 0 UT 2020081


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020081

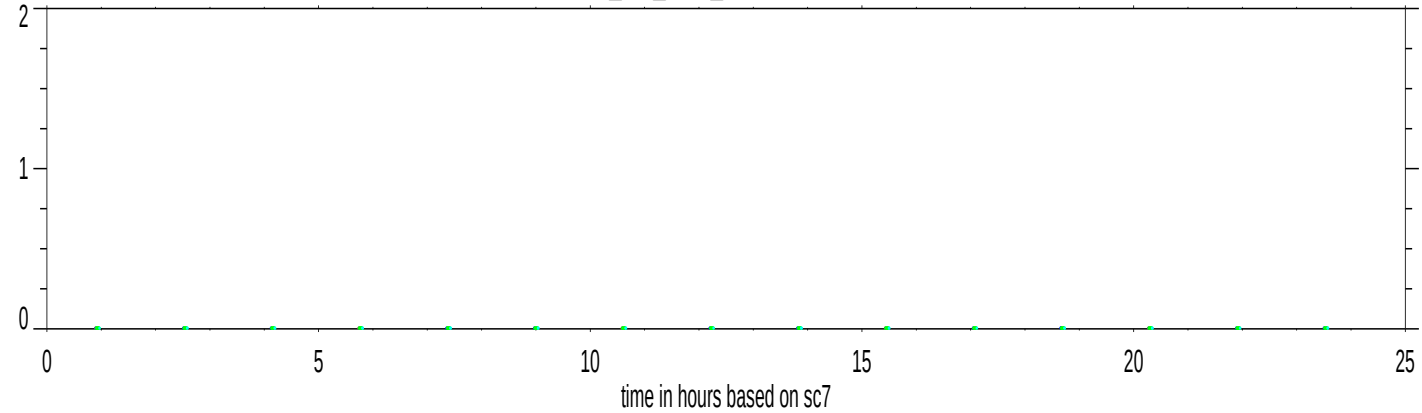
SEE_CUR 2020081



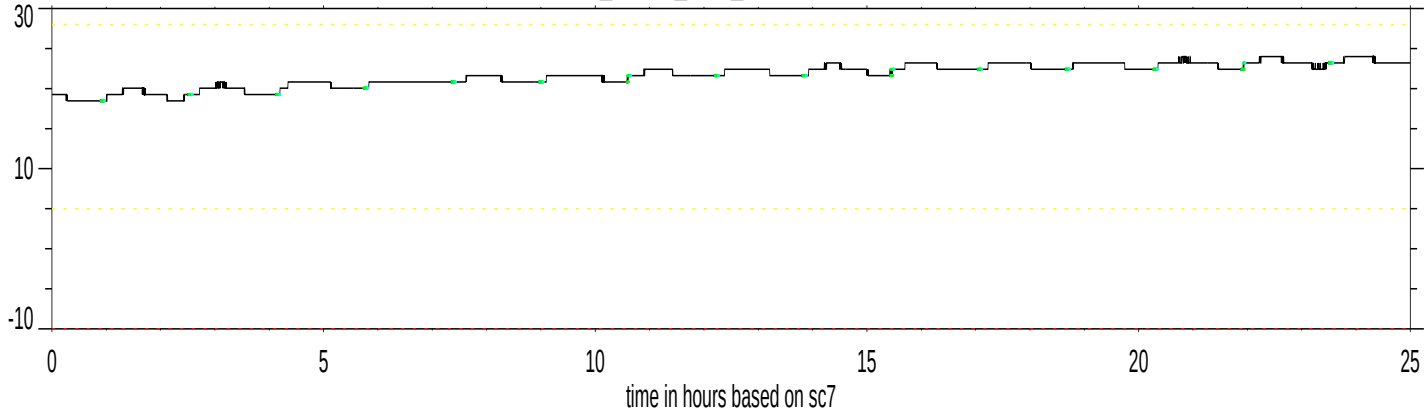
SEE_SURV_HTR_CUR 2020081



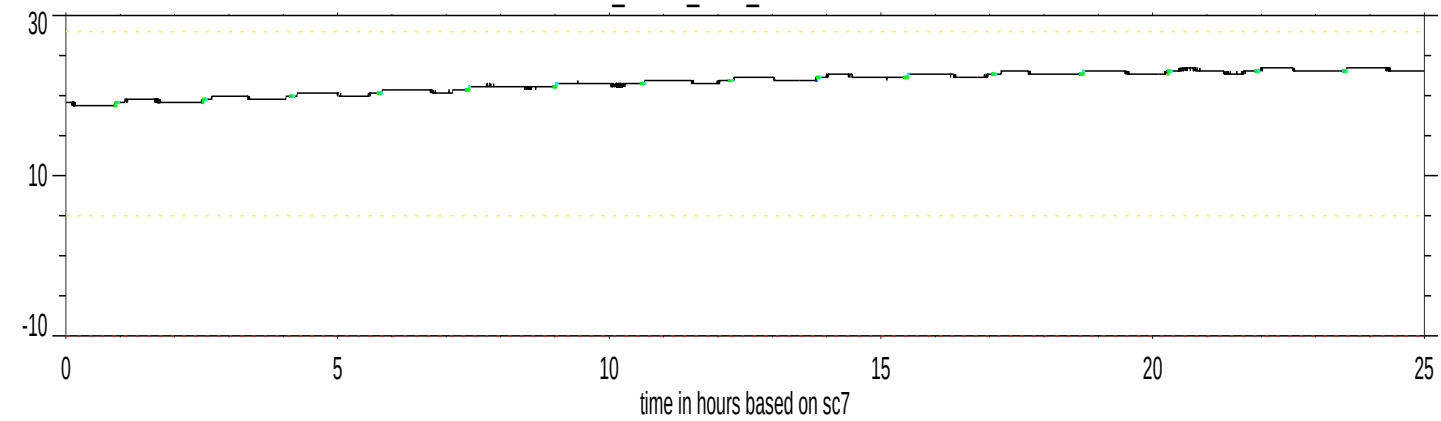
SEE_OP_HTR_CUR 2020081



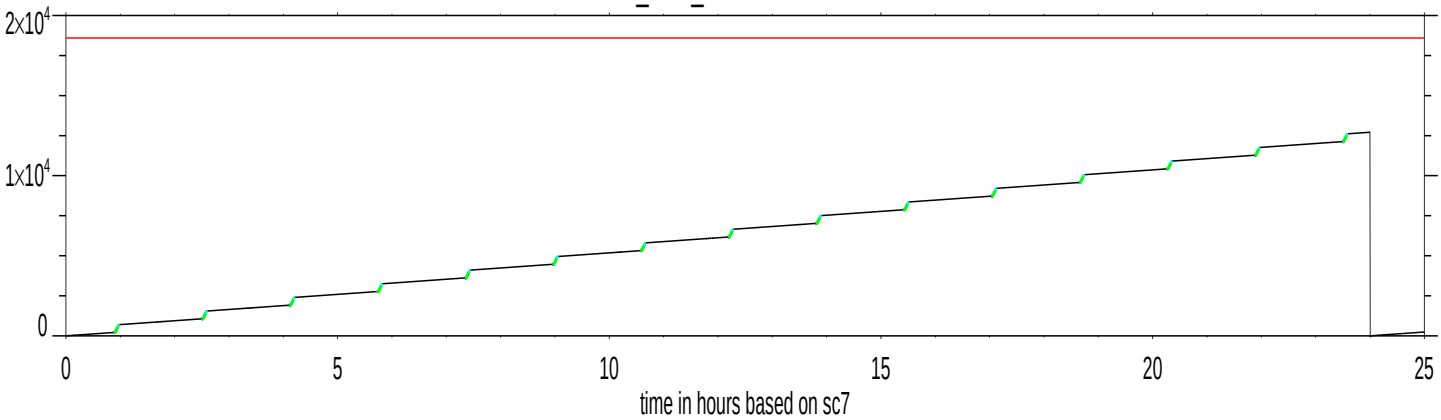
SSPP_BHND_XPS_TEMP 2020081



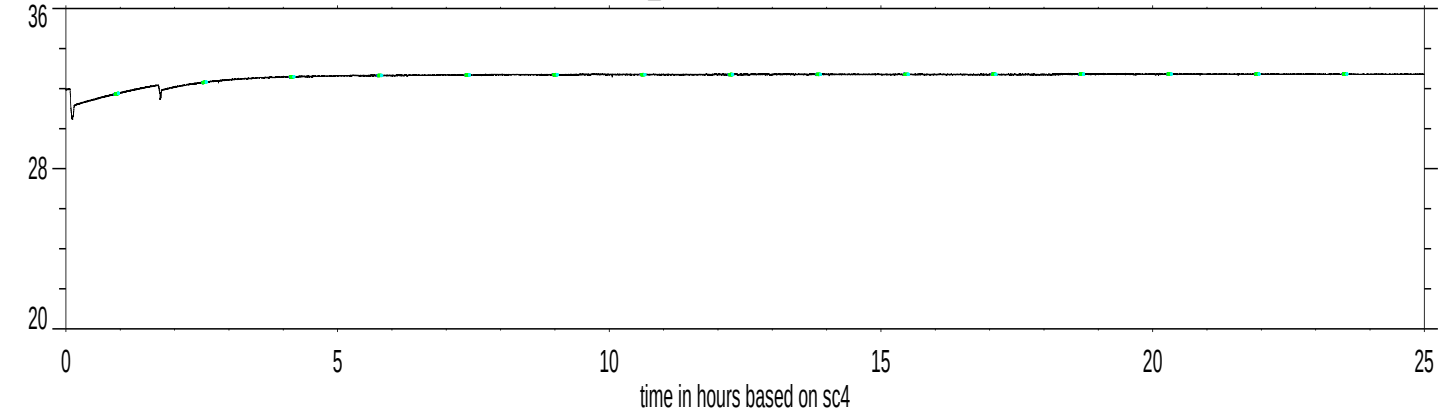
SSPP_BHND_MTR_TEMP 2020081



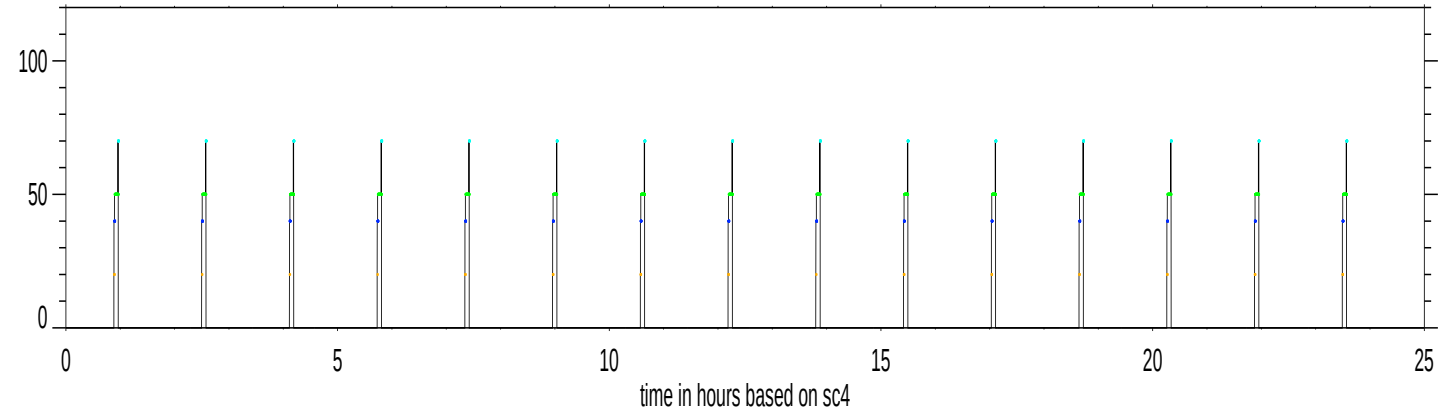
SEE_PKT_COUNT 2020081

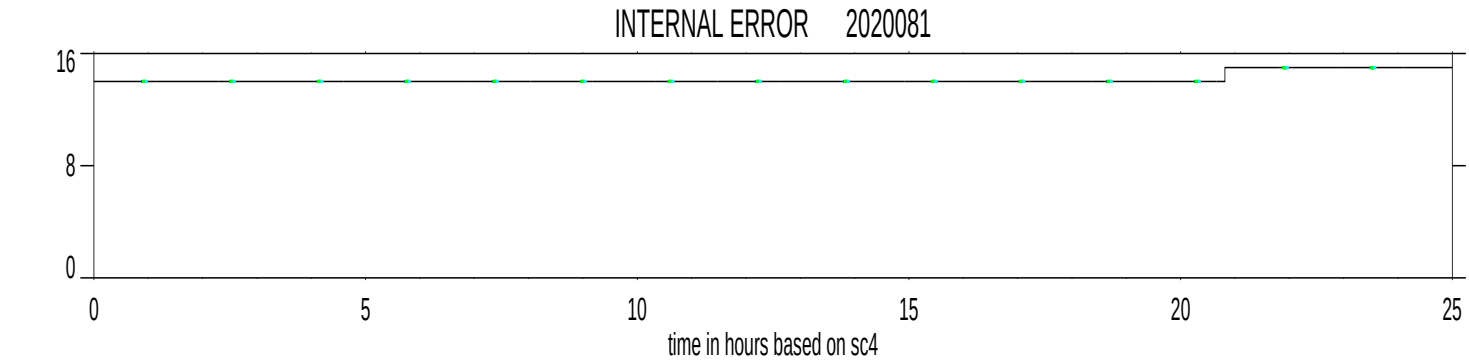


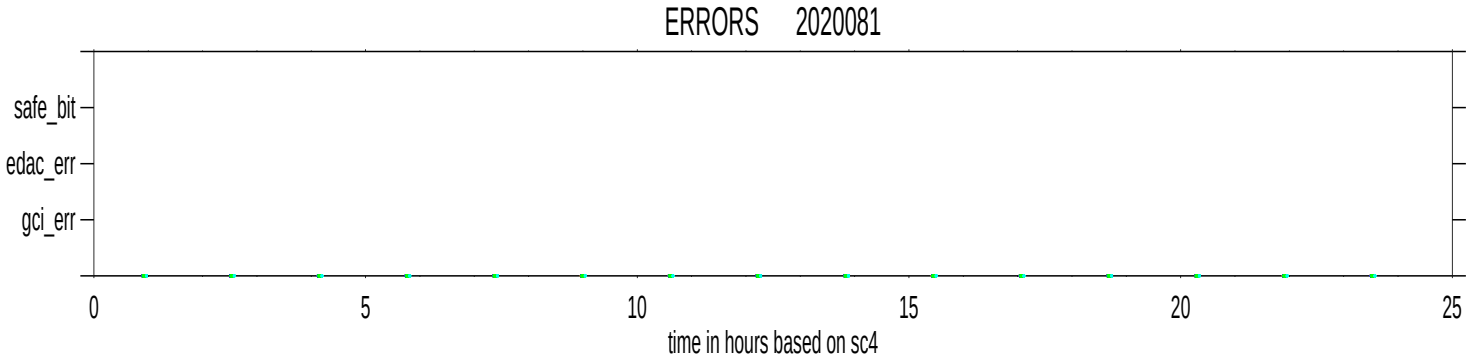
BUS_VOLTAGE 2020081

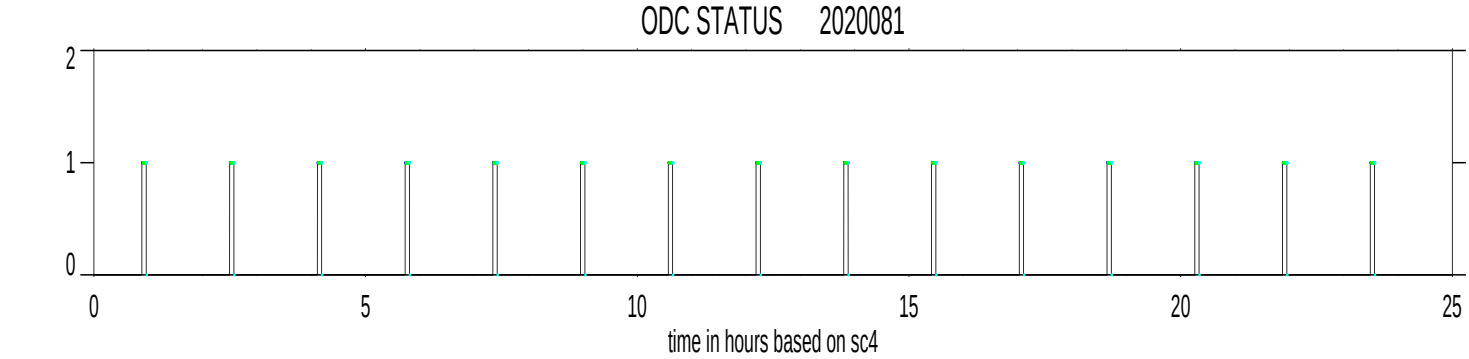


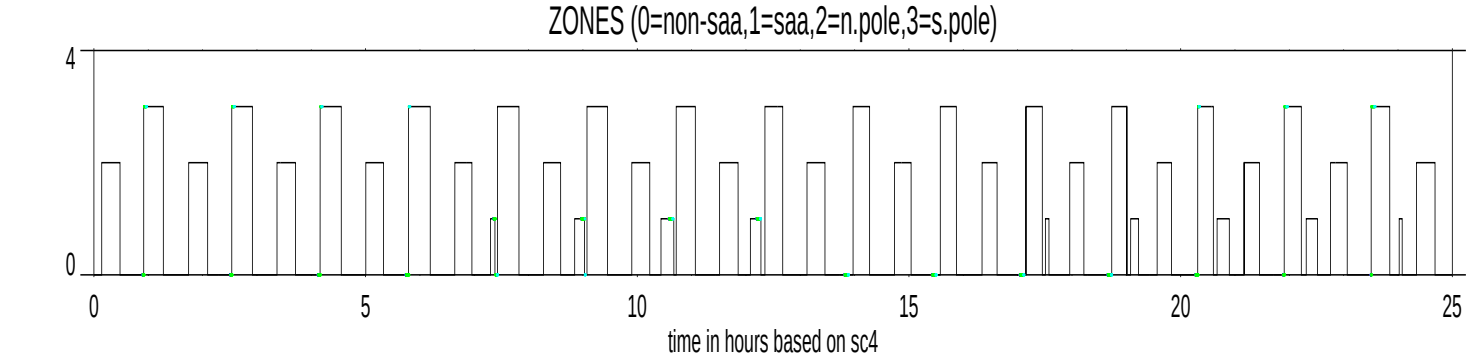
SEE_MU Operational Mode 2020081

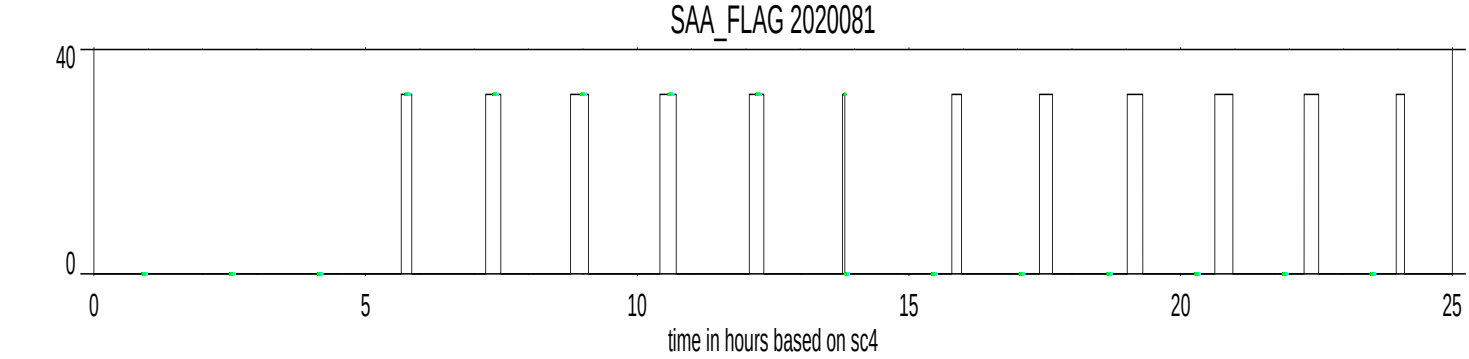


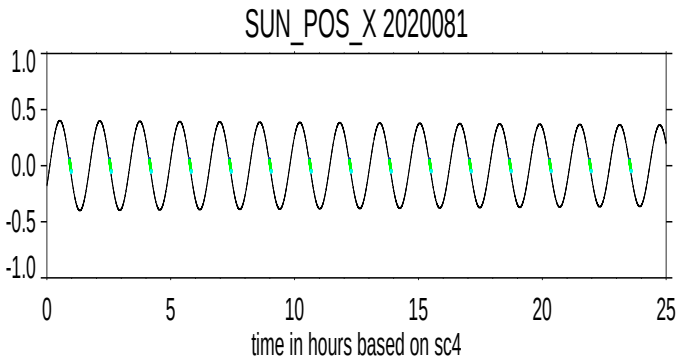

INTERNAL ERROR 2020081
16
8
0
0
5
10
15
20
25
time in hours based on sc4

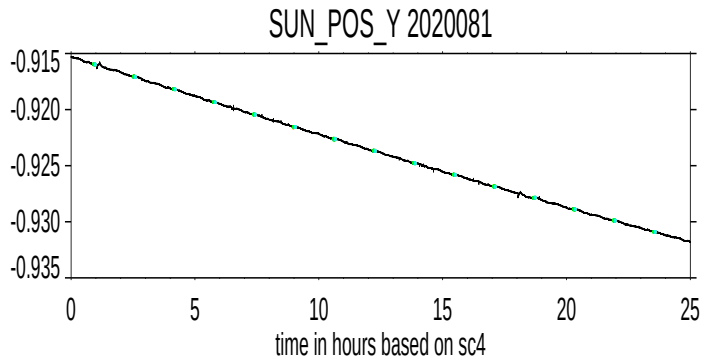

ERRORS 2020081
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

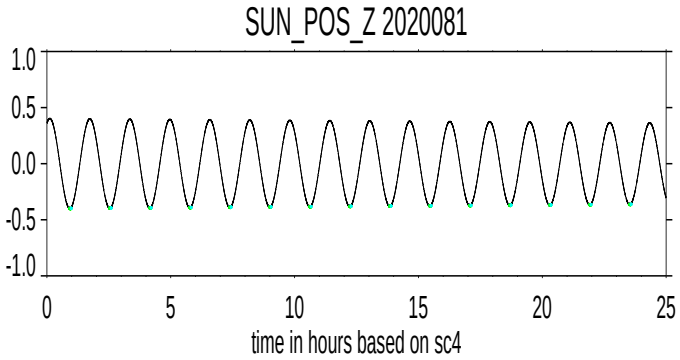

ODC STATUS 2020081
2
1
0
0
5
10
15
20
25
time in hours based on sc4

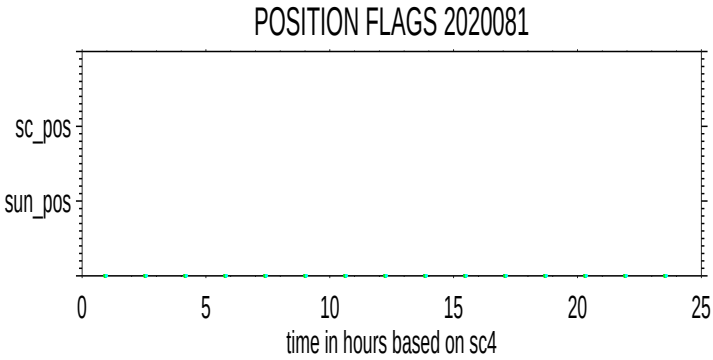

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

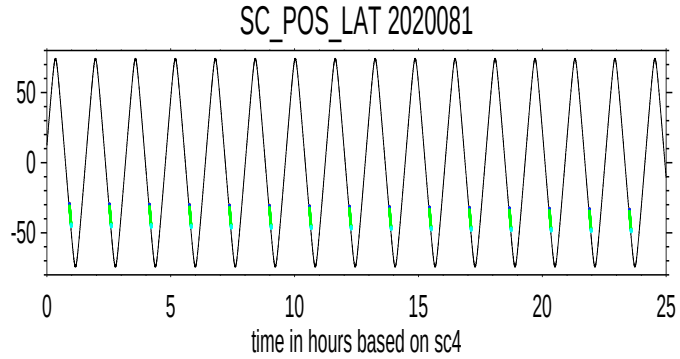

SAA_FLAG 2020081
40
0
0
5
10
15
20
25
time in hours based on sc4

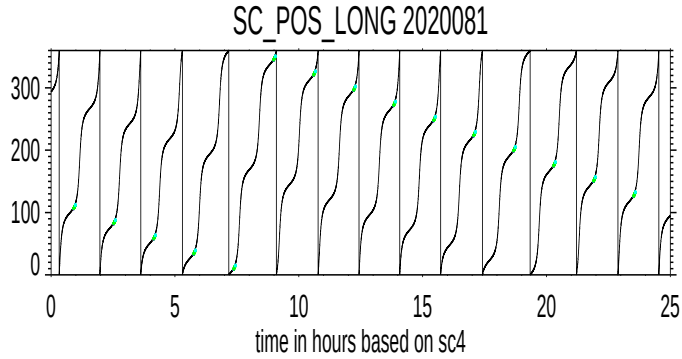

SUN_POS_X 2020081
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

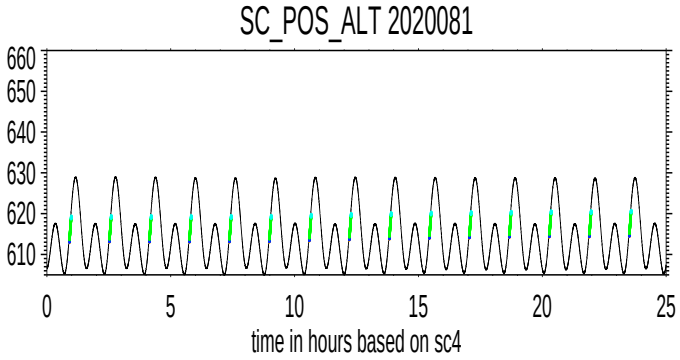

SUN_POS_Y 2020081
-0.915
-0.920
-0.925
-0.930
-0.935
0
5
10
15
20
25
time in hours based on sc4

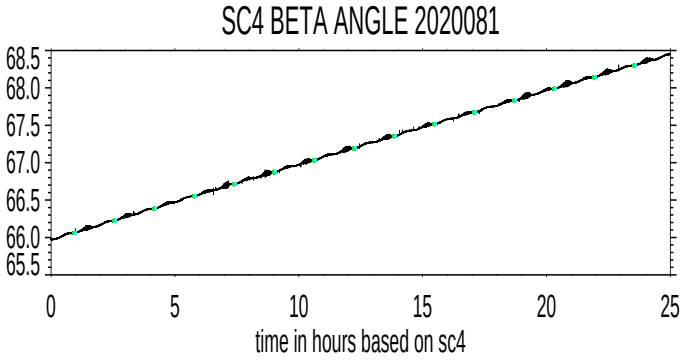

SUN_POS_Z 2020081
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020081
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020081
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020081
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020081
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020081
68.5
68.0
67.5
67.0
66.5
66.0
65.5
0
5
10
15
20
25
time in hours based on sc4