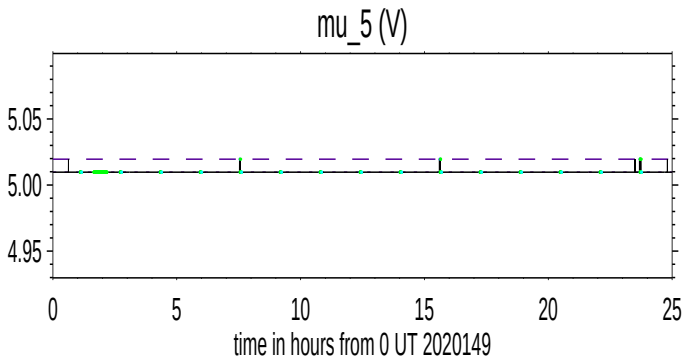
```
Information for      2020149
22:13:54.377: hk: 4 cmd pkt accepted   cmd = ODCs Loaded
22:14:09.377: hk: 8 cmd pkt accepted   cmd = ODCs Loaded
22:14:24.377: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
```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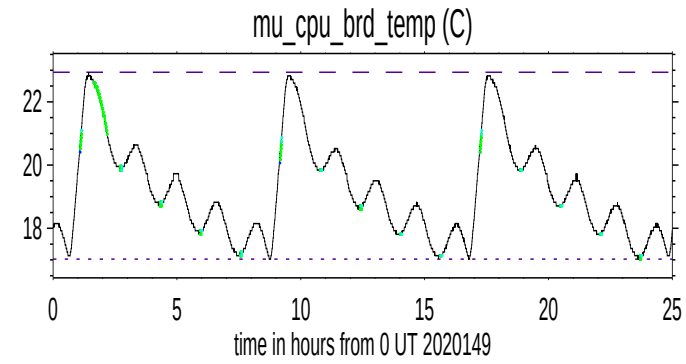
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020149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10
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20
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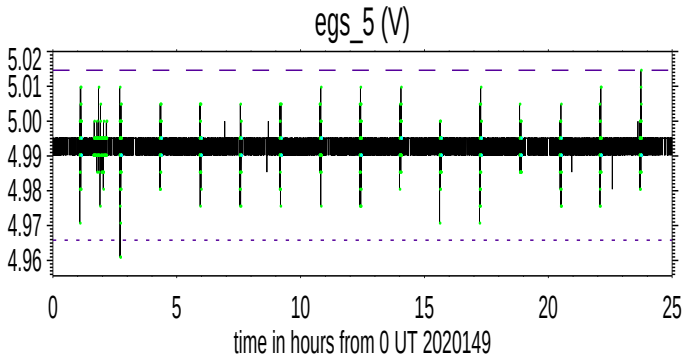
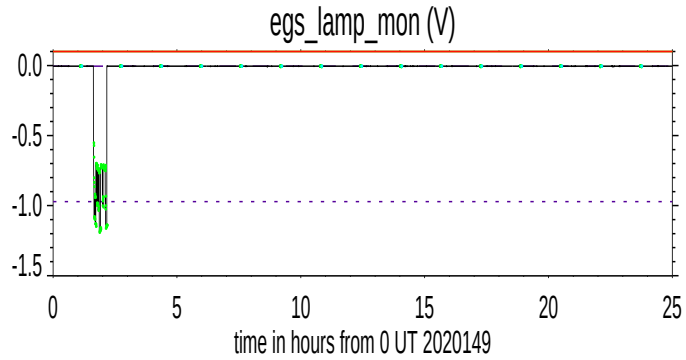
time in hours from 0 UT 2020149


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 2020149


egs_lamp_mon (V)
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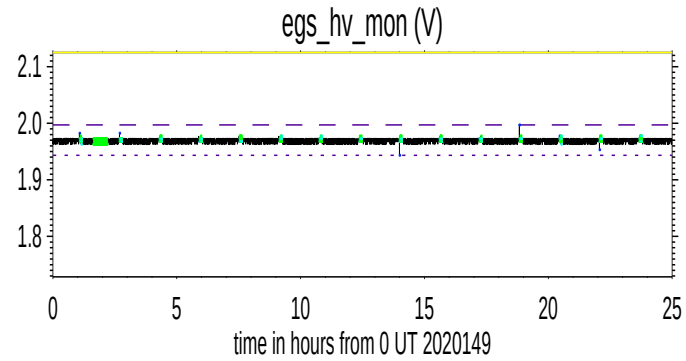
-0.5
-1.0
-1.5
0
5
10
15
20
25
time in hours from 0 UT 2020149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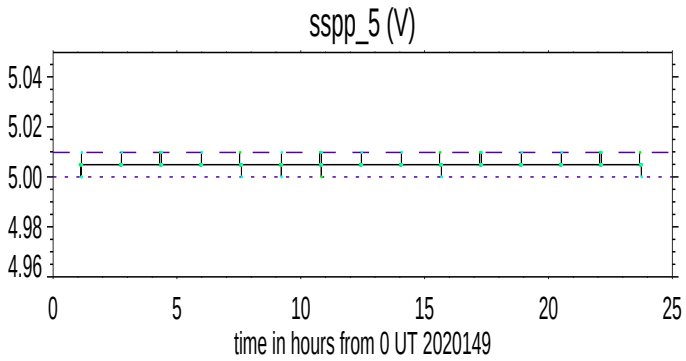
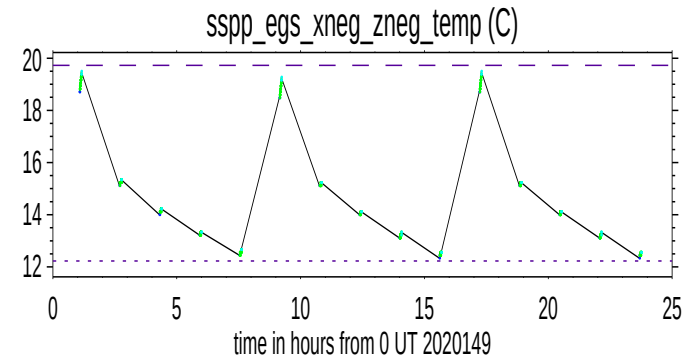
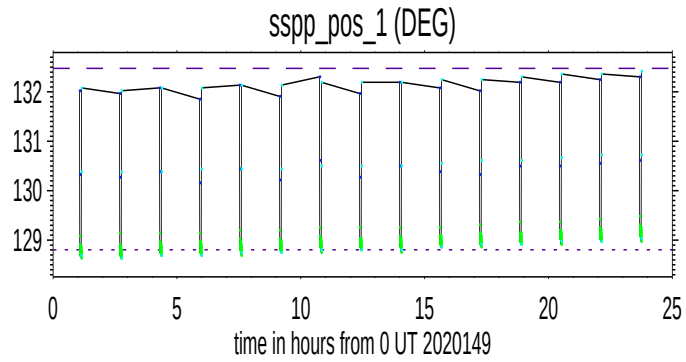
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2020149


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 2020149


sspp_egs_xneg_zneg_temp (C)
20
18
16
14
12
0
5
10
15
20
25
time in hours from 0 UT 2020149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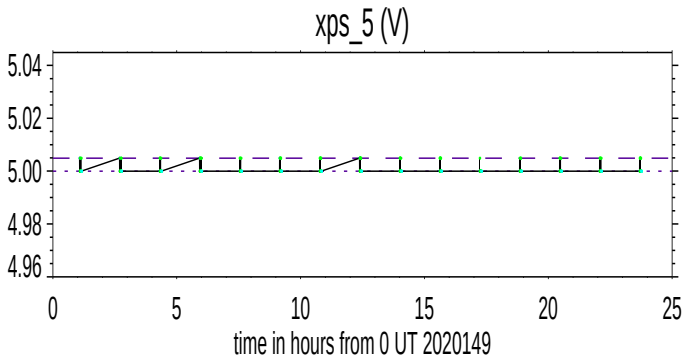
132
131
130
129
0
5
10
15
20
25
time in hours from 0 UT 2020149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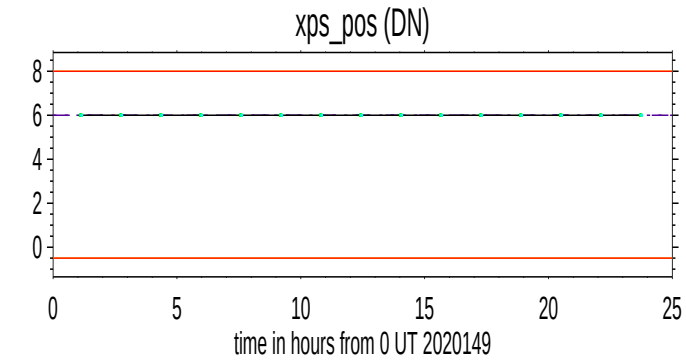
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020149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6
4
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10
15
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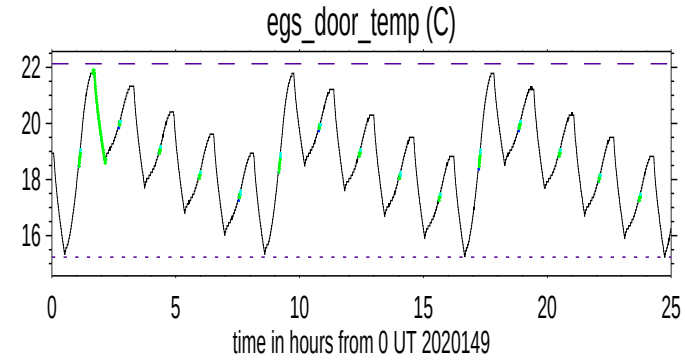
time in hours from 0 UT 2020149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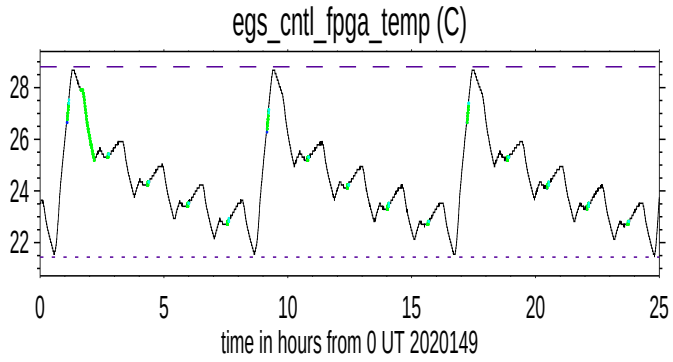
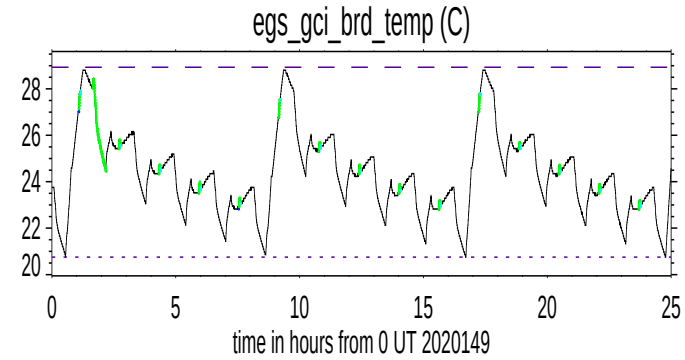
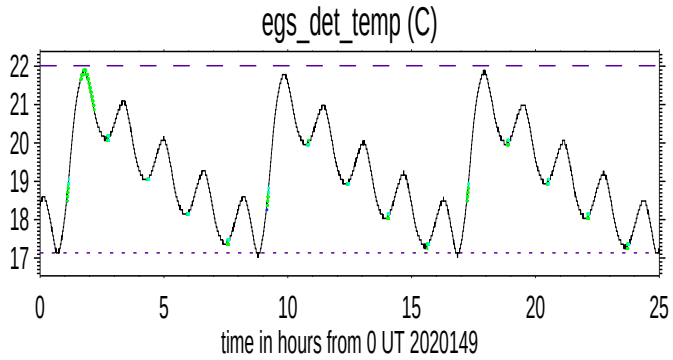
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_gci_brd_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020149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21
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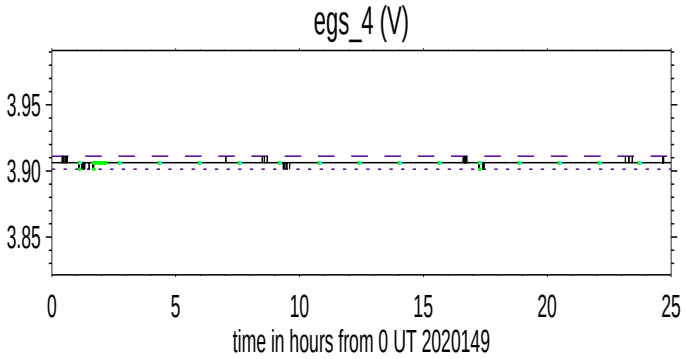
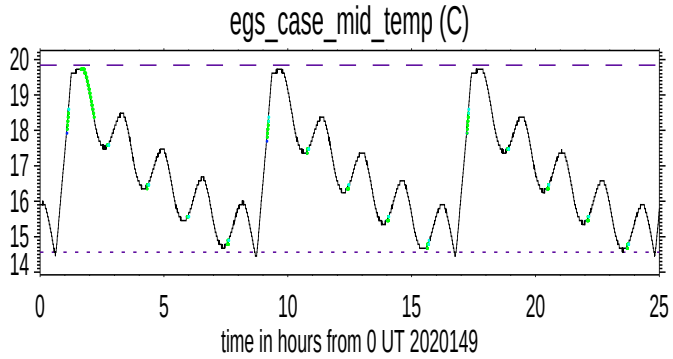
18
17
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_case_mid_temp (C)
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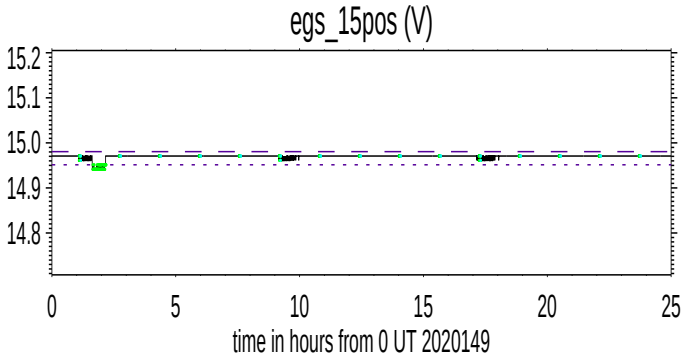
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_15pos (V)
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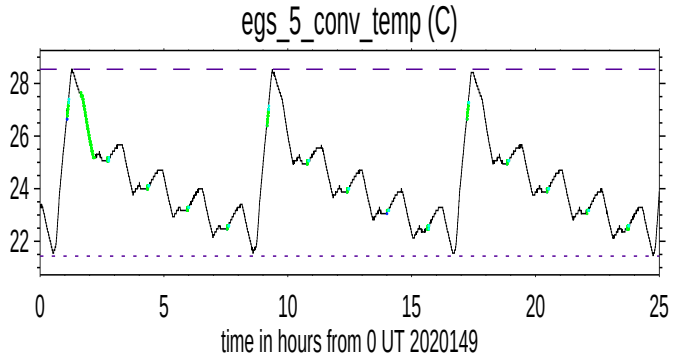
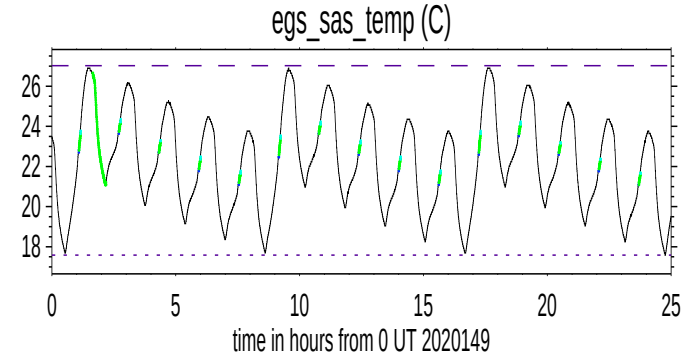
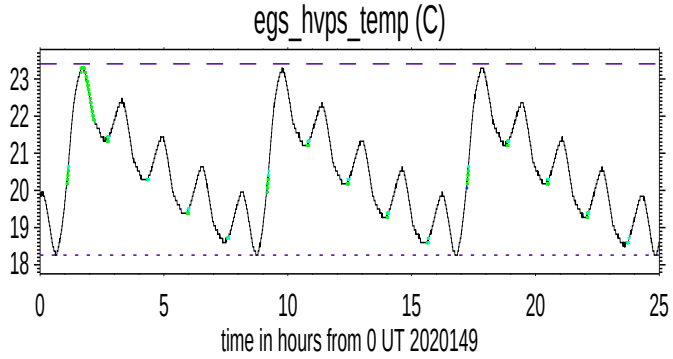
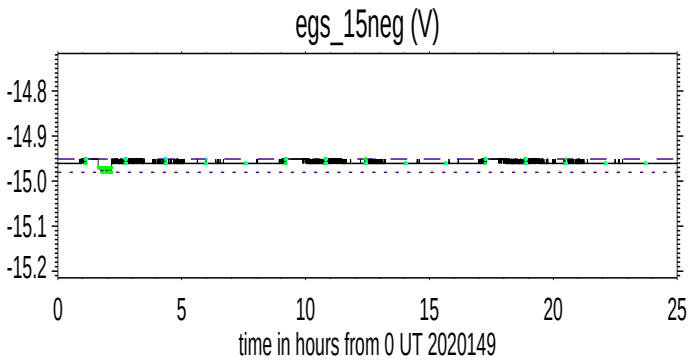
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_sas_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_hvps_temp (C)
23
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2020149


egs_15neg (V)
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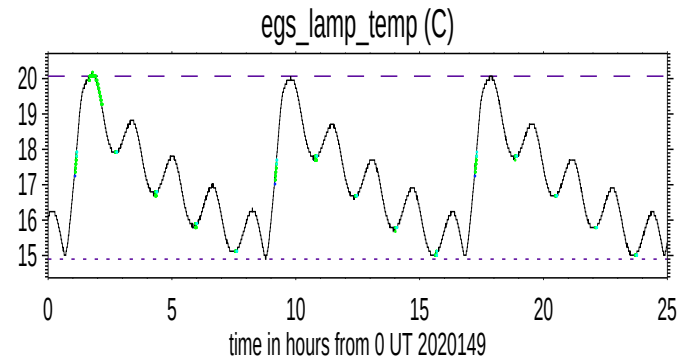
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2020149


egs_lamp_temp (C)
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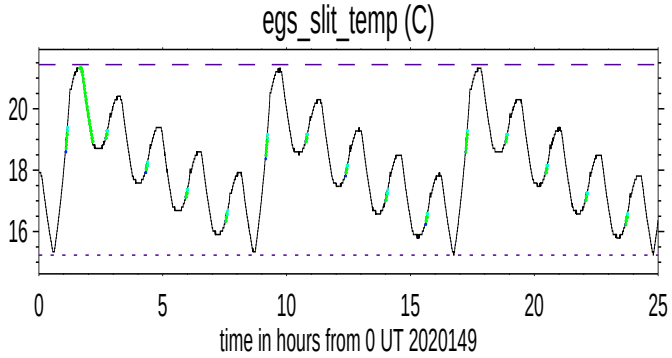
0 5 10 15 20 25
time in hours from 0 UT 2020149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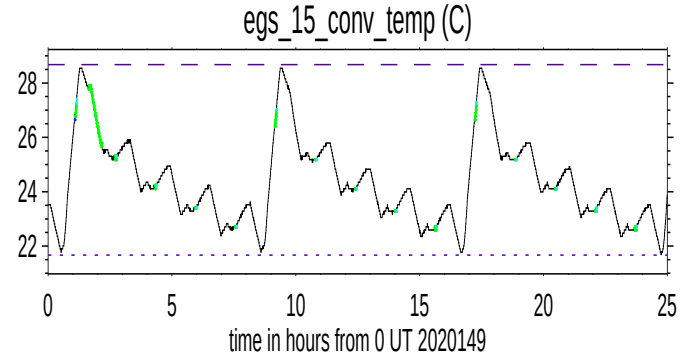
0 5 10 15 20 25
time in hours from 0 UT 2020149


egs_15_conv_temp (C)
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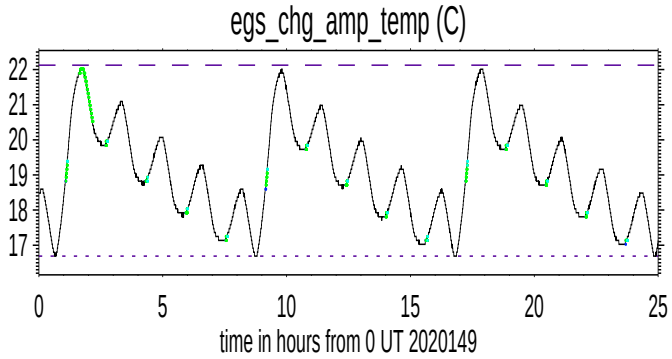
time in hours from 0 UT 2020149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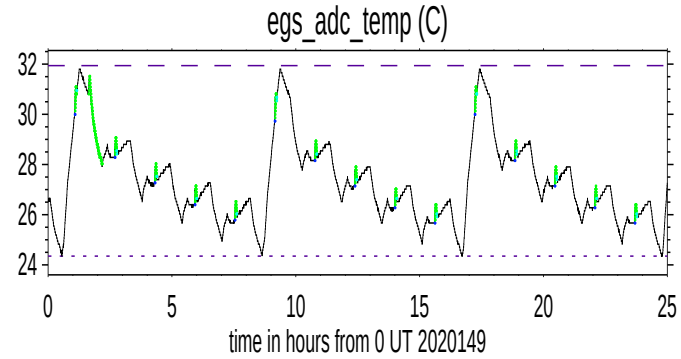
time in hours from 0 UT 2020149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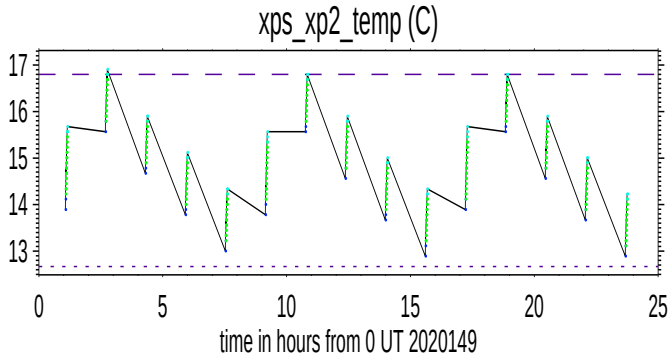
time in hours from 0 UT 2020149


xps_xp2_temp (C)
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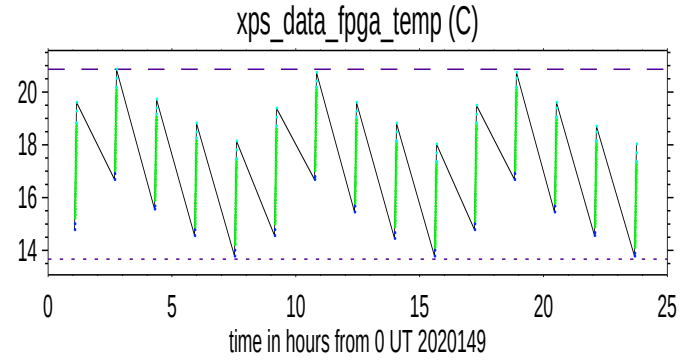
0 5 10 15 20 25
time in hours from 0 UT 2020149


xps_data_fpga_temp (C)
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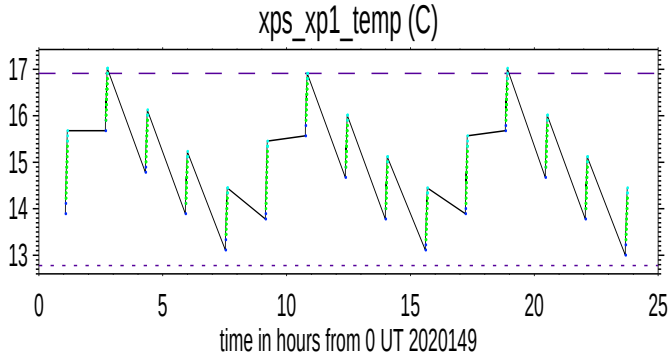
0 5 10 15 20 25
time in hours from 0 UT 2020149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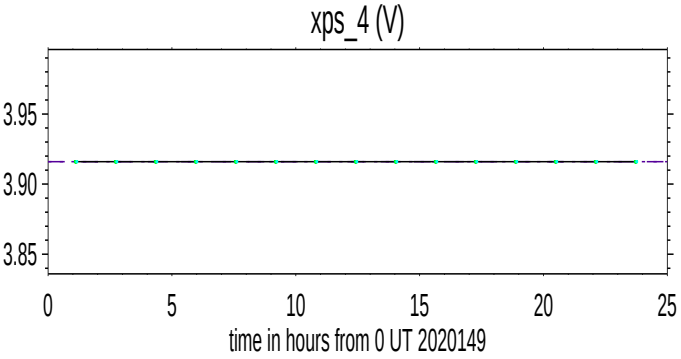
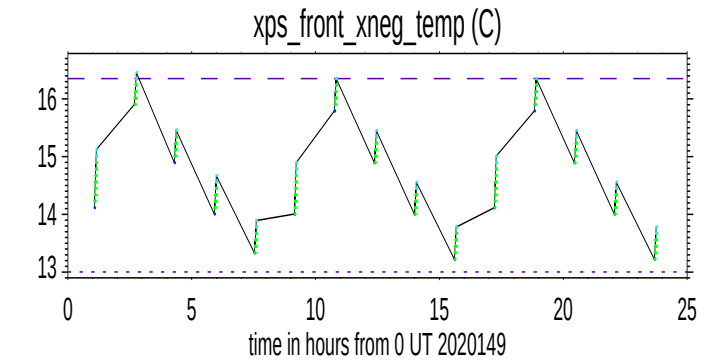
0 5 10 15 20 25
time in hours from 0 UT 2020149


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2020149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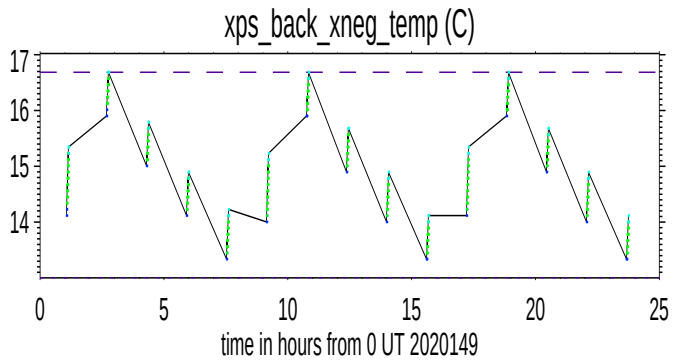
13
0
5
10
15
20
25
time in hours from 0 UT 2020149


xps_back_xneg_temp (C)
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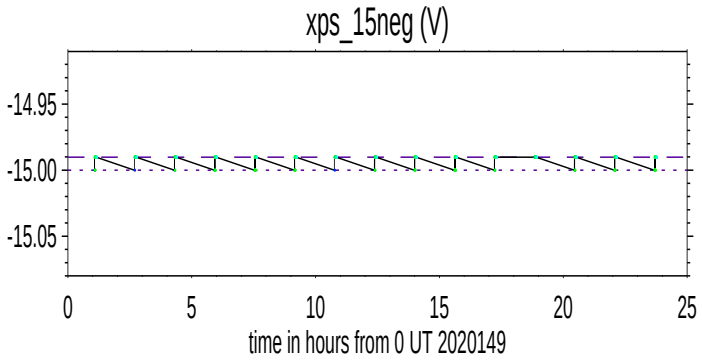
14
0
5
10
15
20
25
time in hours from 0 UT 2020149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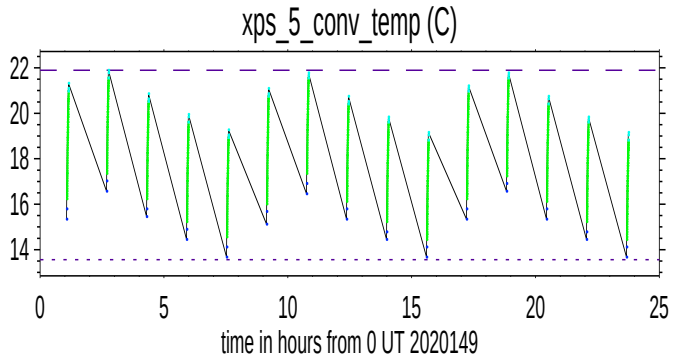
15
20
25
time in hours from 0 UT 2020149


xps_5_conv_temp (C)
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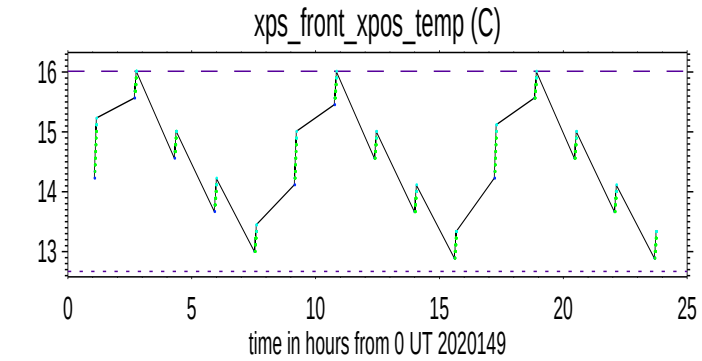
0
5
10
15
20
25
time in hours from 0 UT 2020149


xps_front_xpos_temp (C)
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14
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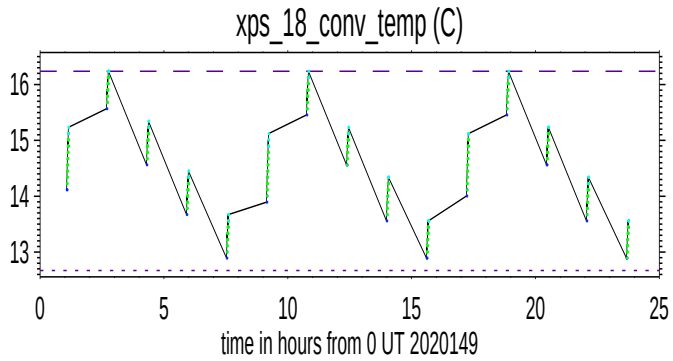
10
15
20
25
time in hours from 0 UT 2020149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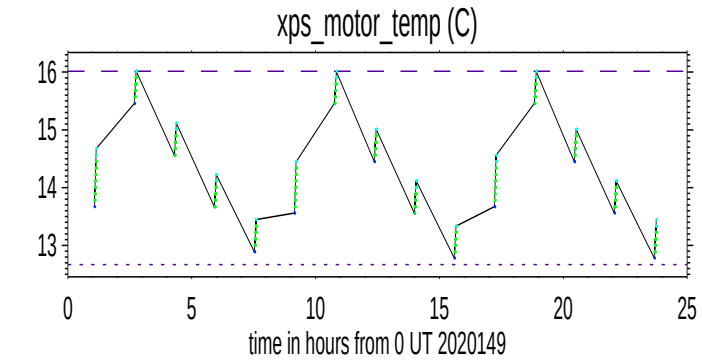
25
time in hours from 0 UT 2020149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5
10
15
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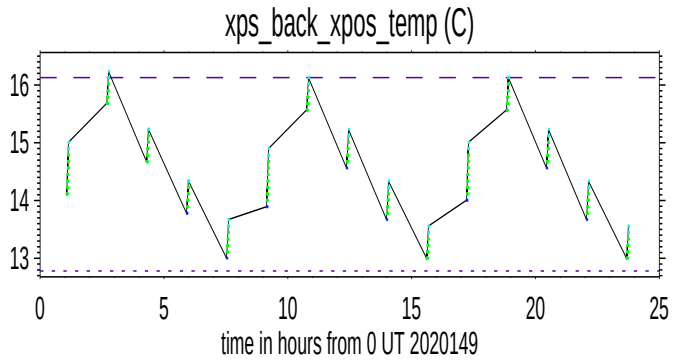
time in hours from 0 UT 2020149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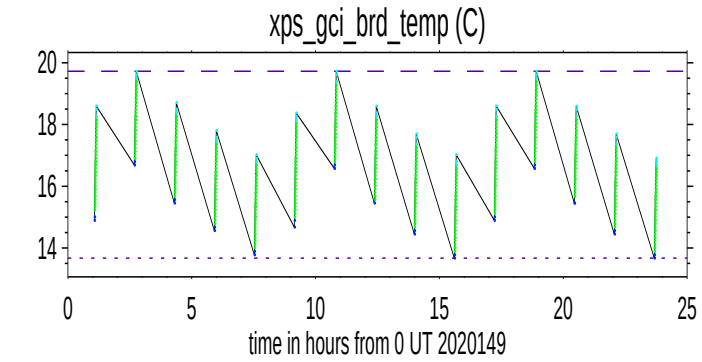
10
15
20
25
time in hours from 0 UT 2020149


xps_gci_brd_temp (C)
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18
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14
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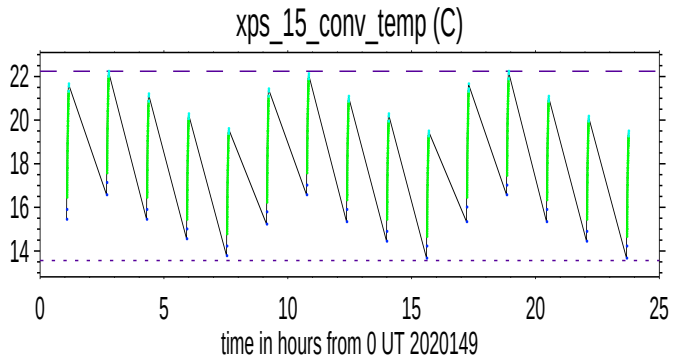
10
15
20
25
time in hours from 0 UT 2020149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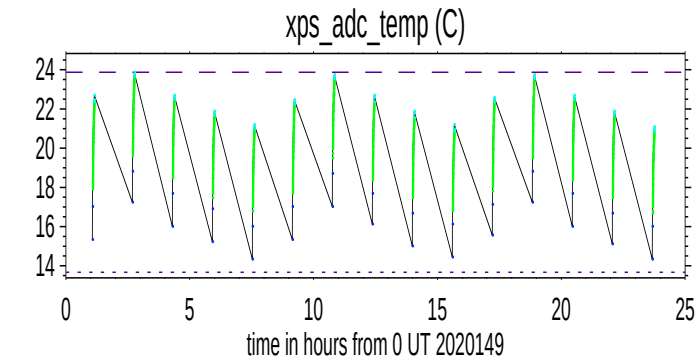
0
5
10
15
20
25
time in hours from 0 UT 2020149


xps_adc_temp (C)
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14
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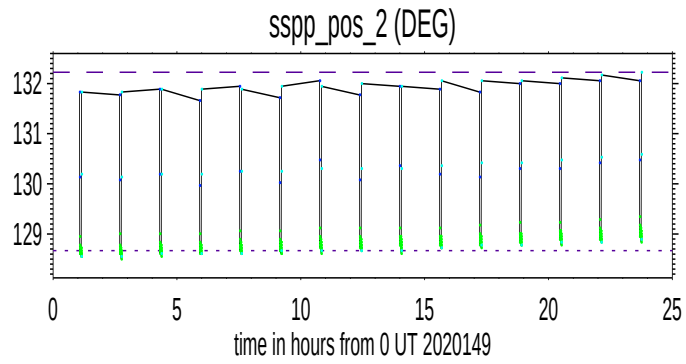
5
10
15
20
25
time in hours from 0 UT 2020149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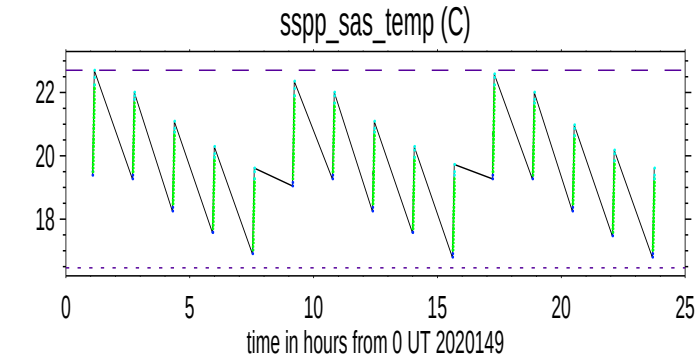
131
130
129
0
5
10
15
20
25
time in hours from 0 UT 2020149


sspp_sas_temp (C)
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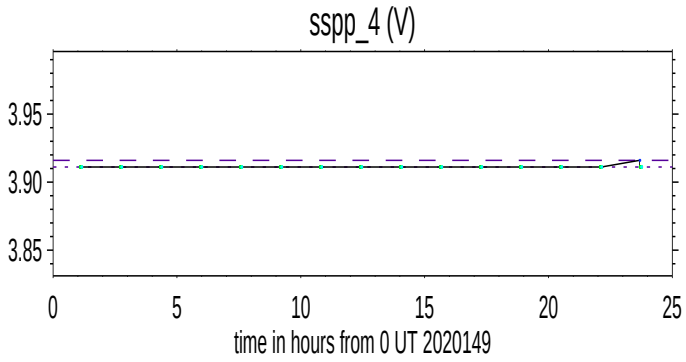
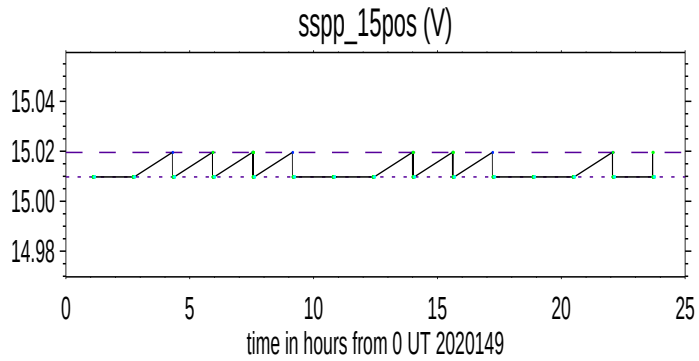
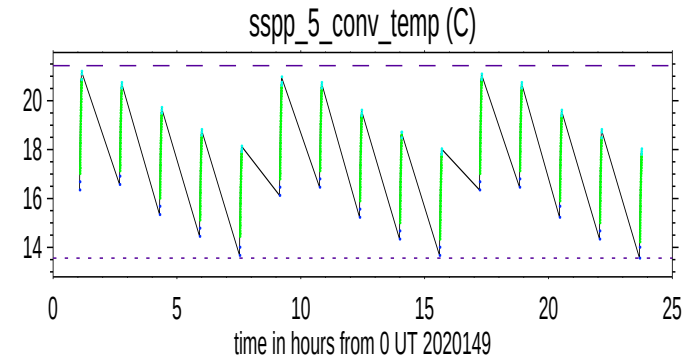
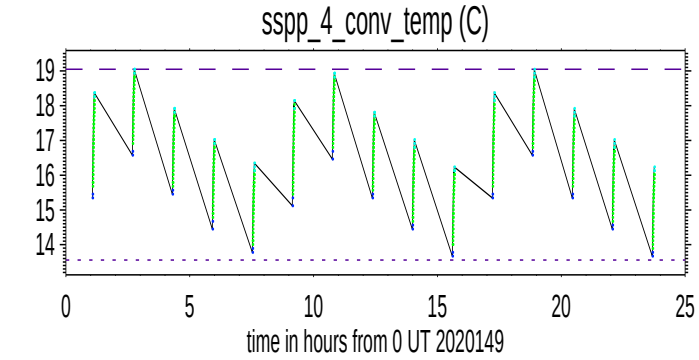
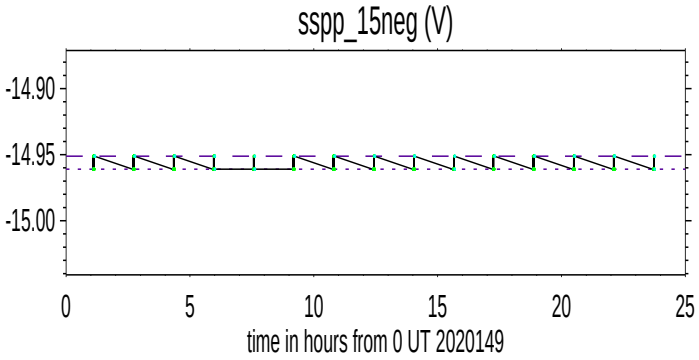
5
10
15
20
25
time in hours from 0 UT 2020149

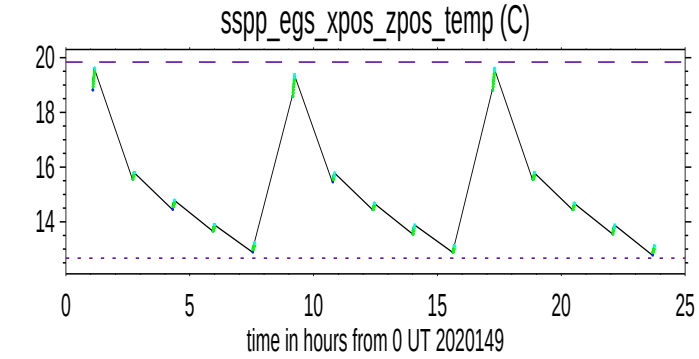

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020149

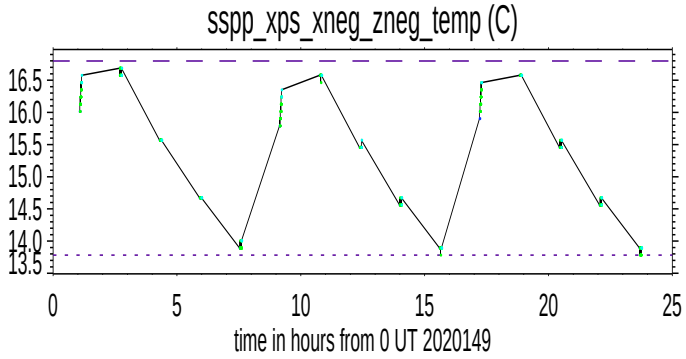

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2020149

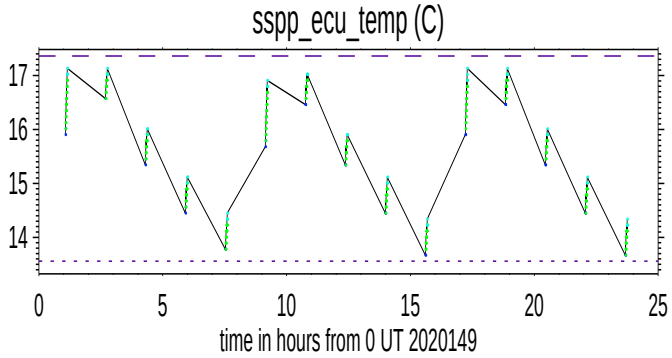

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

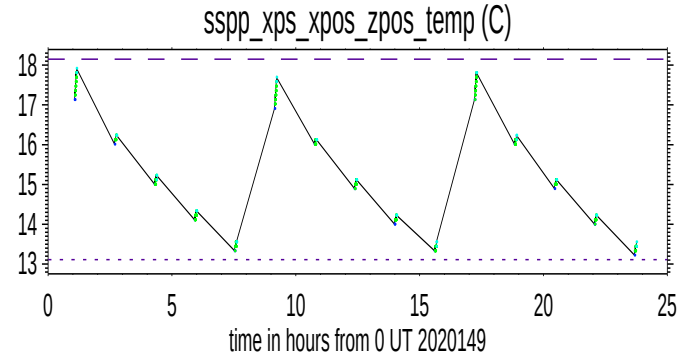

sspp_4_conv_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

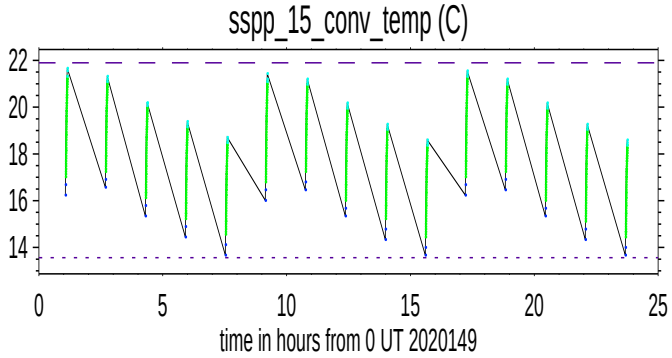

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020149

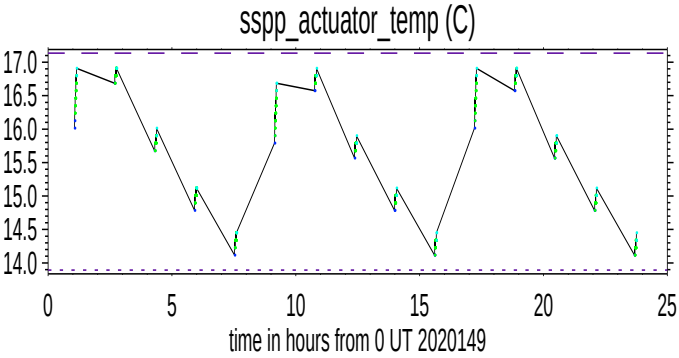

sspp_egs_xpos_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

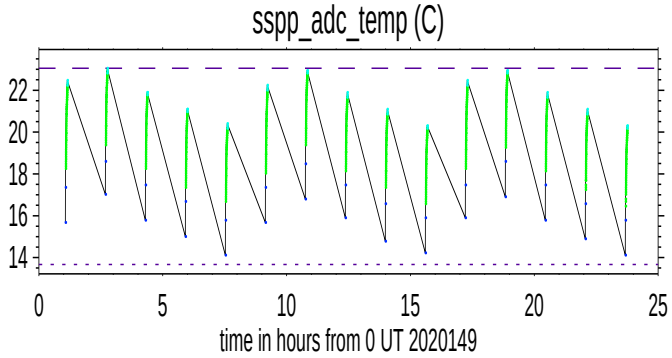

sspp_xps_xneg_zneg_temp (C)
16.5
16.0
15.5
15.0
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2020149

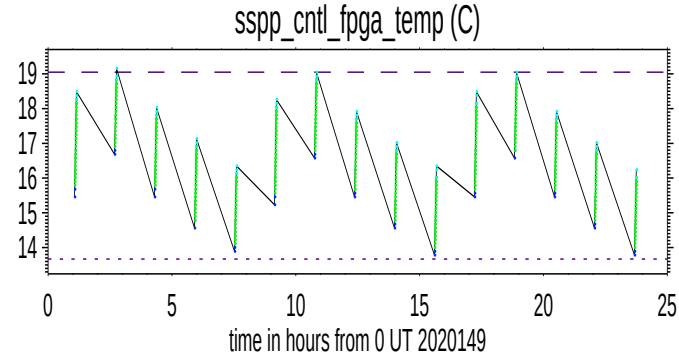

sspp_ecu_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

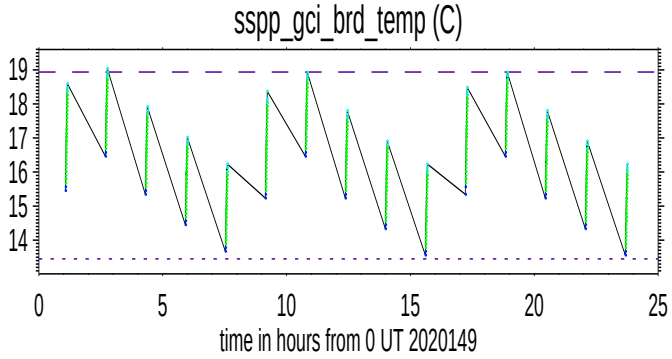

sspp_xps_xpos_zpos_temp (C)
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2020149

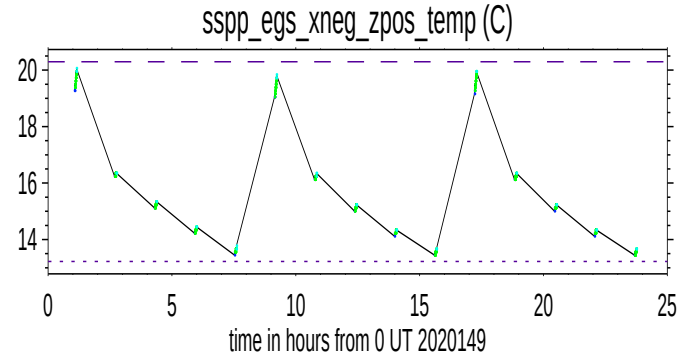

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

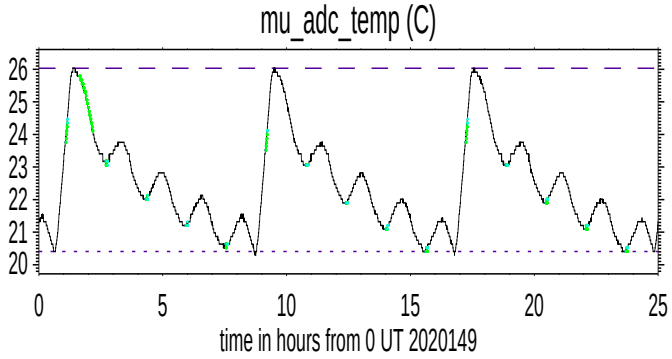

sspp_actuator_temp (C)
17.0
16.5
16.0
15.5
15.0
14.5
14.0
0
5
10
15
20
25
time in hours from 0 UT 2020149

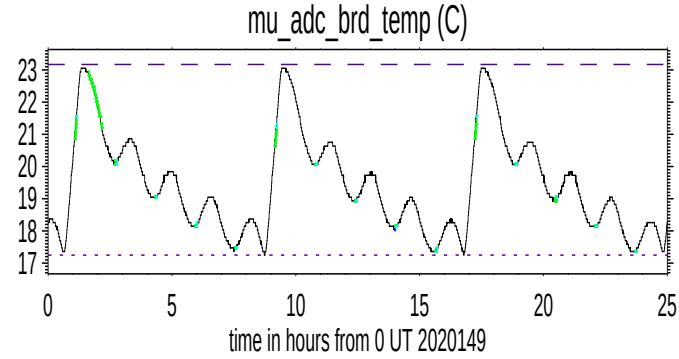

sspp_adc_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

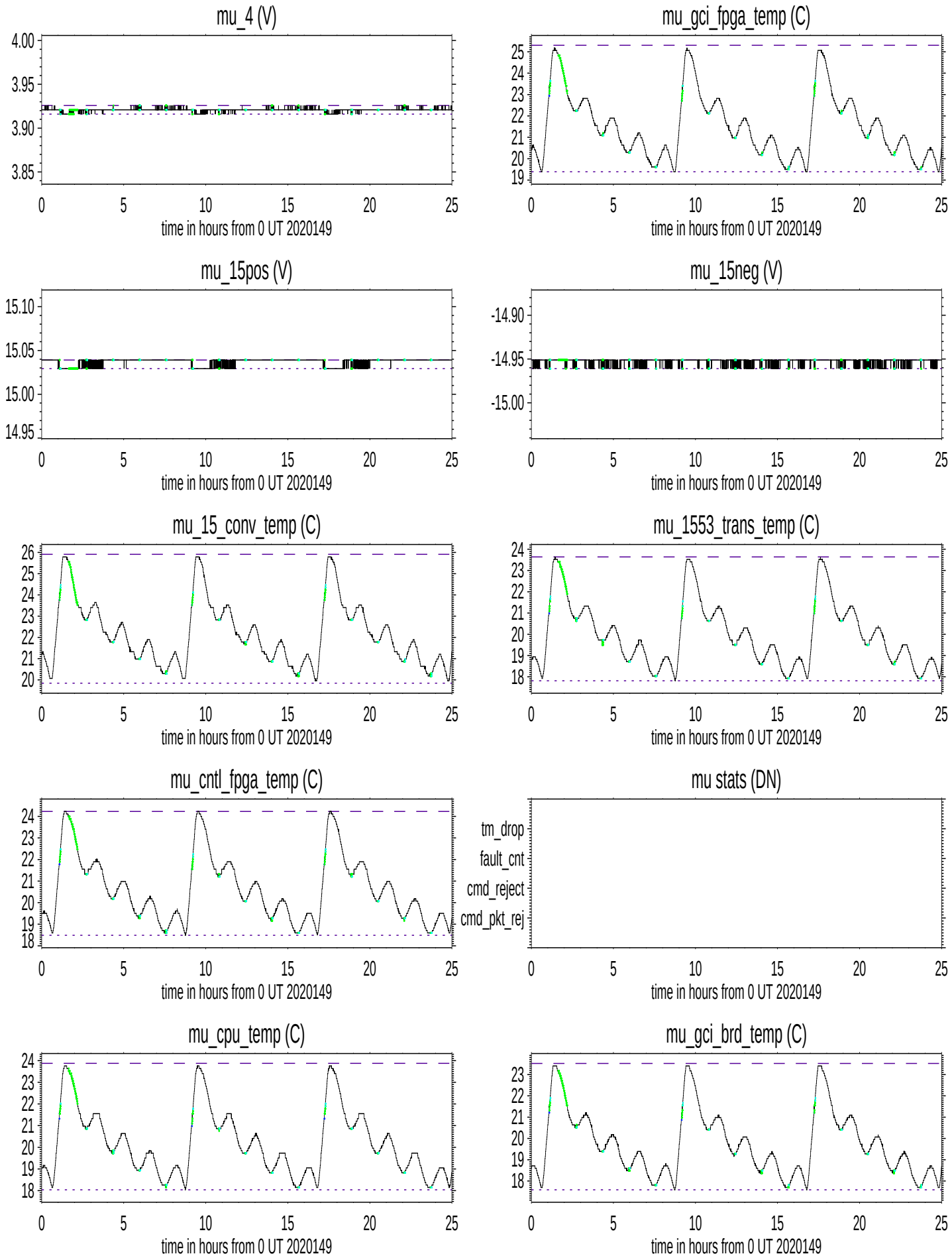

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

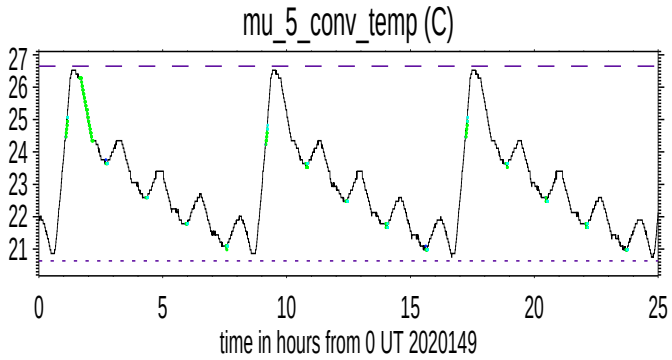

sspp_gci_brd_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

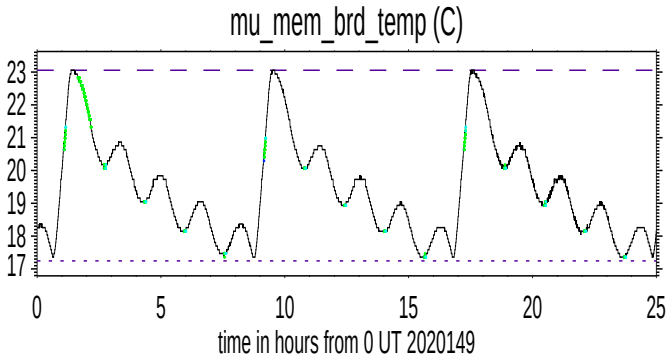

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2020149

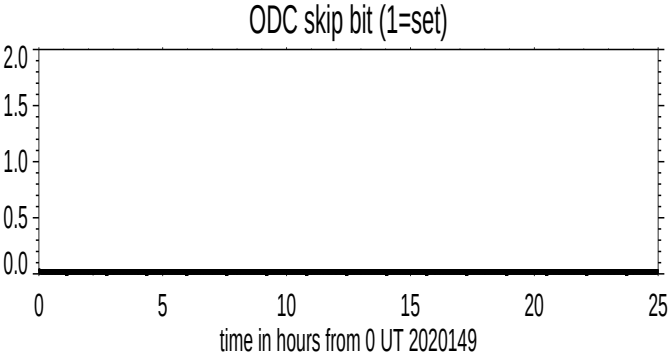

mu_adc_temp (C)
26
25
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020149

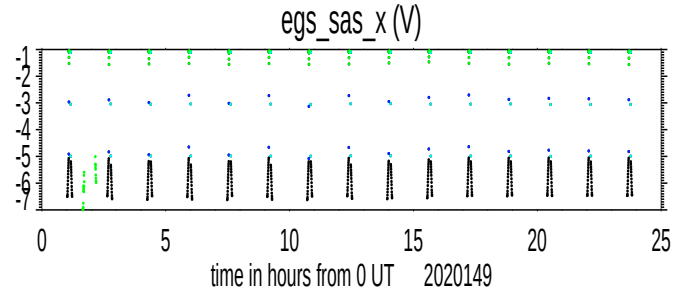

mu_adc_brd_temp (C)
23
22
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2020149

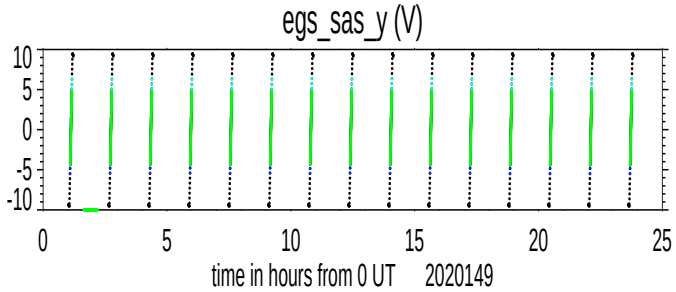

mu_4 (V)
4.00
3.95
3.90
3.85
mu_gci_fpga_temp (C)
25
24
23
22
21
20
19
mu_15pos (V)
15.10
15.05
15.00
14.95
mu_15neg (V)
-14.90
-14.95
-15.00
mu_15_conv_temp (C)
26
25
24
23
22
21
20
mu_1553_trans_temp (C)
24
23
22
21
20
19
18
mu_cntl_fpga_temp (C)
24
23
22
21
20
19
18
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
mu_cpu_temp (C)
24
23
22
21
20
19
18
mu_gci_brd_temp (C)
23
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2020149

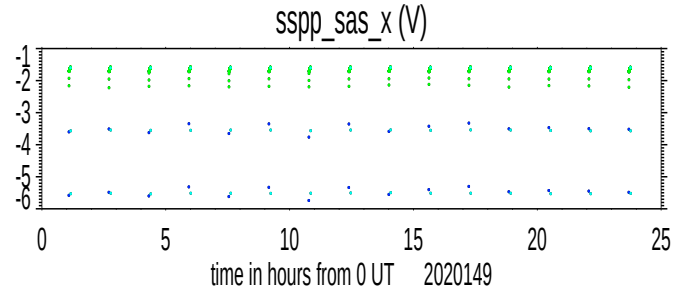

mu_5_conv_temp (C)
27
26
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020149

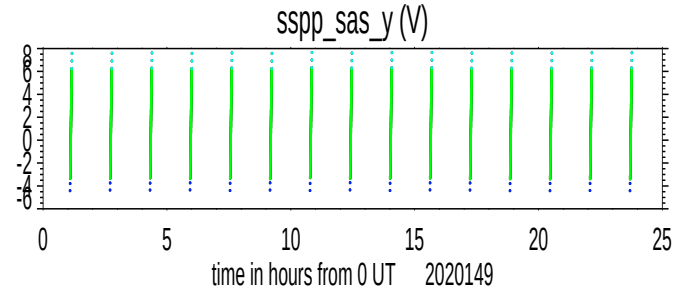

mu_mem_brd_temp (C)
23
22
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2020149

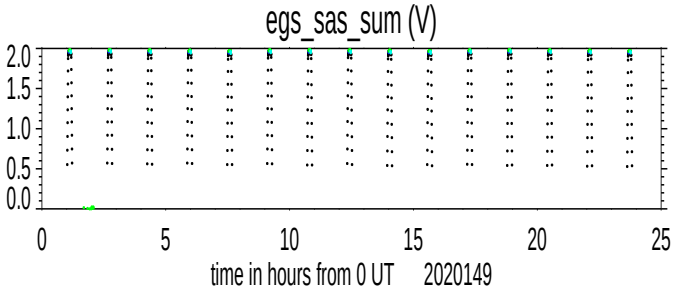

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020149

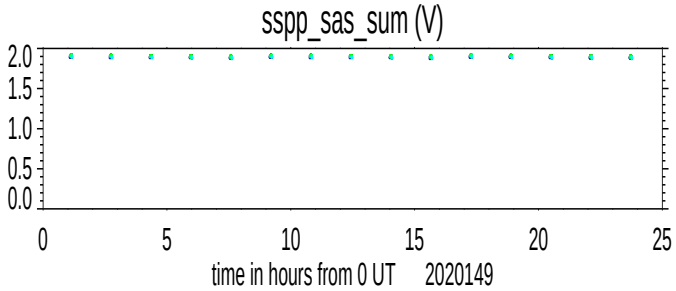

egs_sas_x (V)
time in hours from 0 UT 2020149

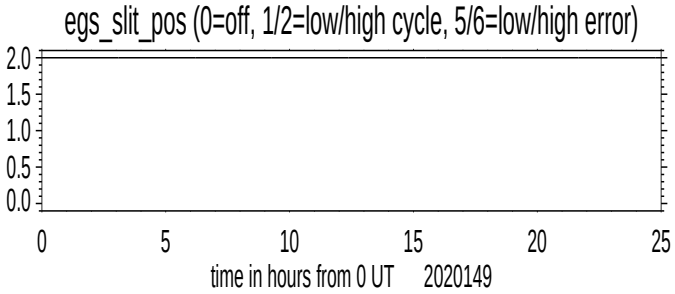

egs_sas_y (V)
time in hours from 0 UT 2020149

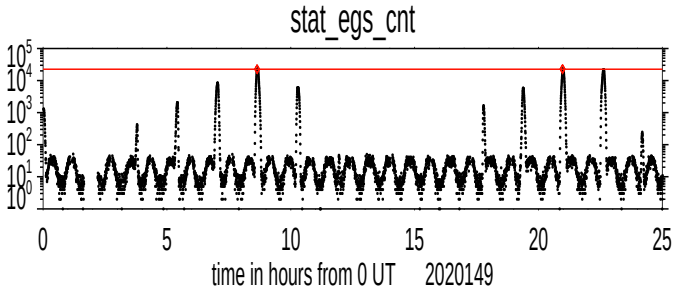

sspp_sas_x (V)
time in hours from 0 UT 2020149

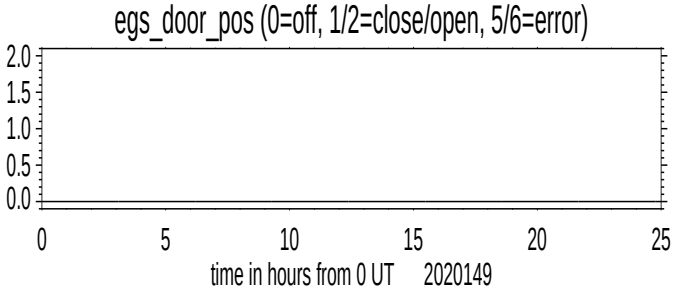

sspp_sas_y (V)
time in hours from 0 UT 2020149

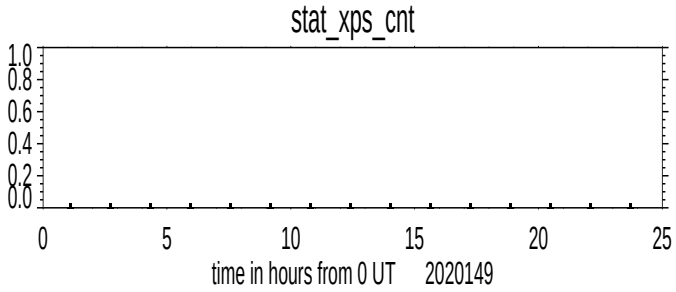

egs_sas_sum (V)
time in hours from 0 UT 2020149

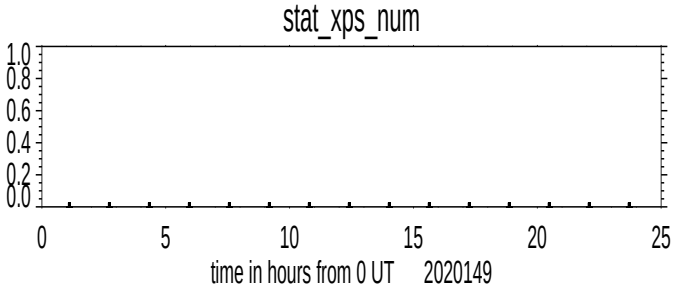

sspp_sas_sum (V)
time in hours from 0 UT 2020149

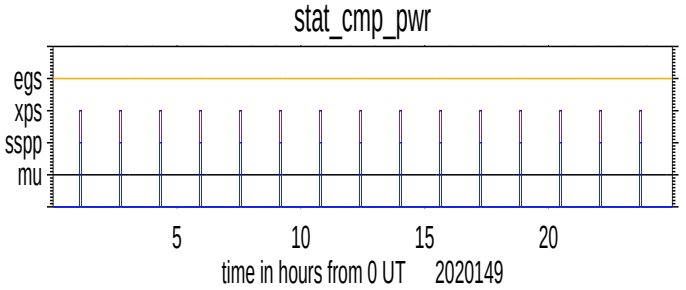

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020149


stat_egs_cnt
time in hours from 0 UT 2020149

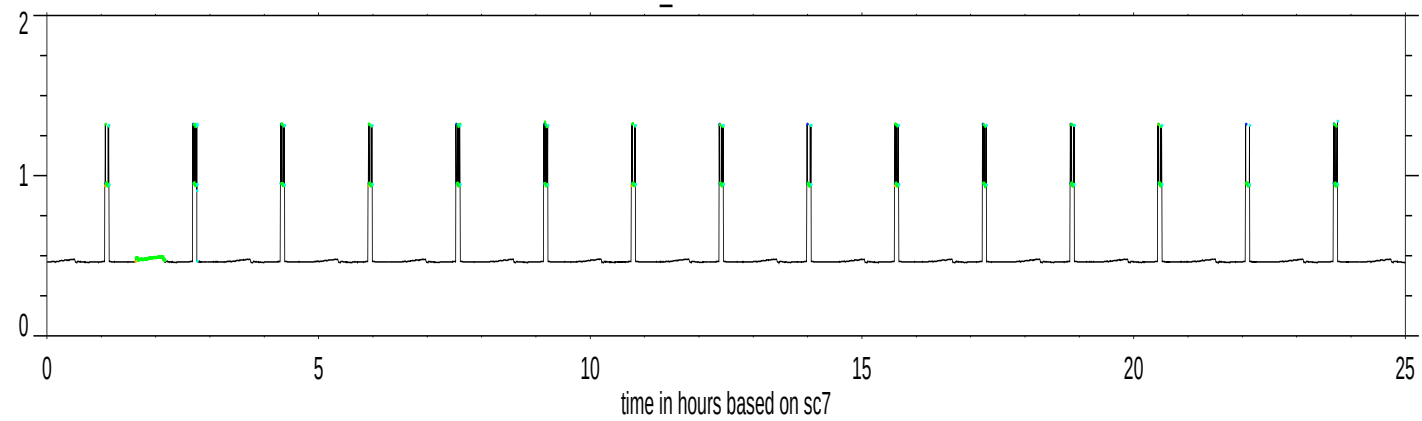

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020149


stat_xps_cnt
time in hours from 0 UT 2020149

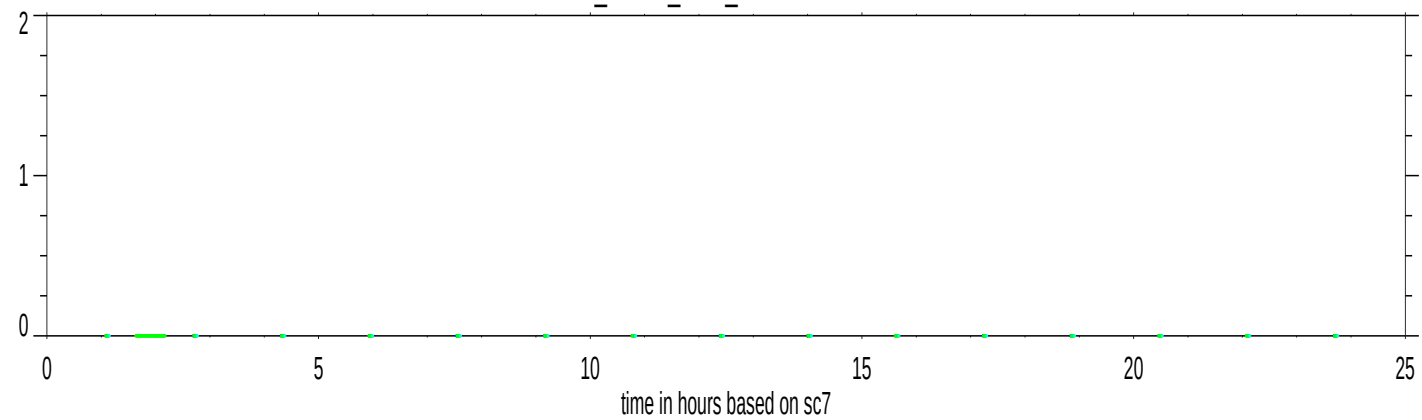

stat_xps_num
time in hours from 0 UT 2020149


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020149

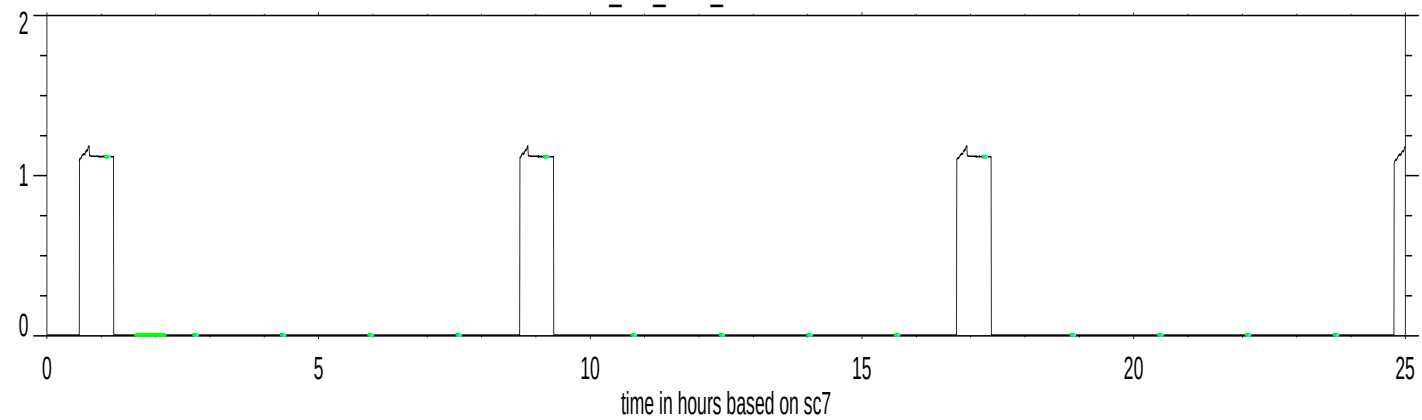
SEE_CUR 2020149



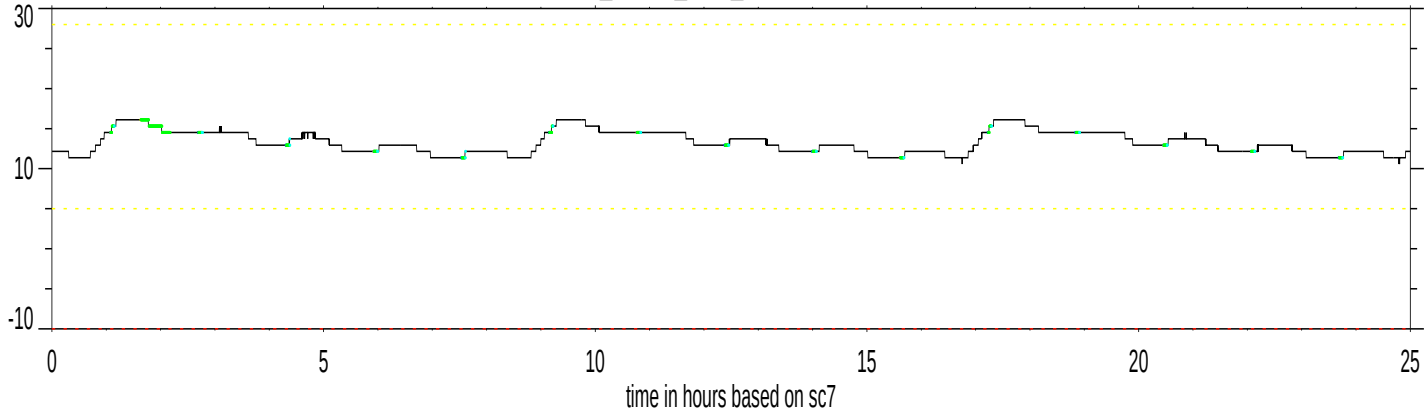
SEE_SURV_HTR_CUR 2020149



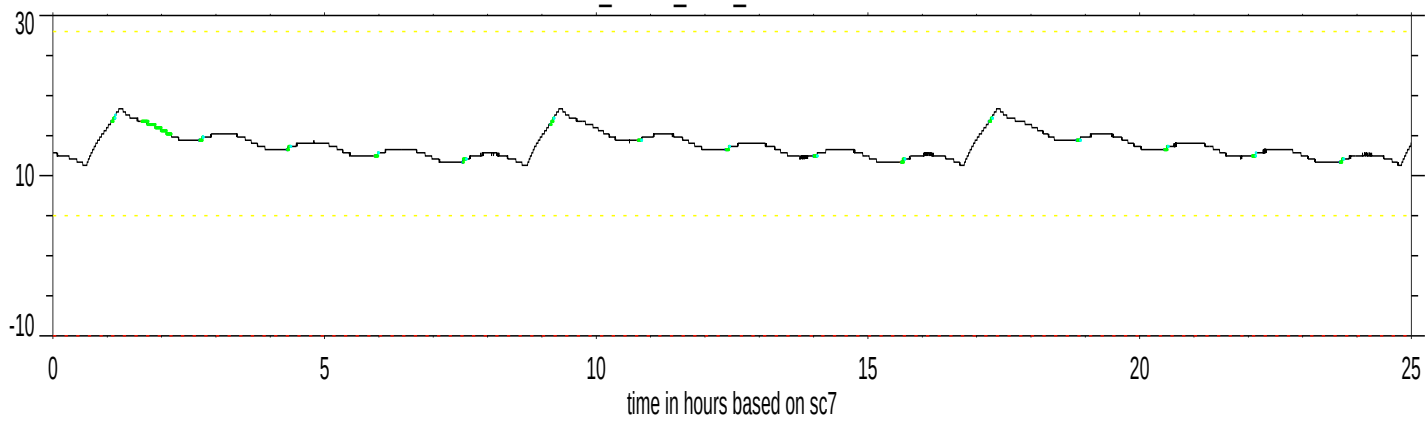
SEE_OP_HTR_CUR 2020149



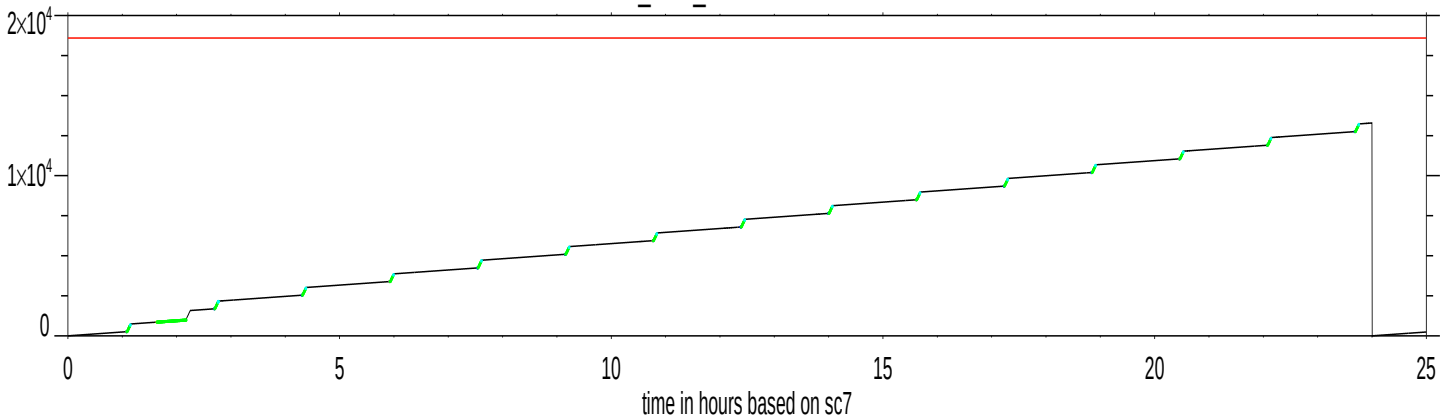
SSPP_BHND_XPS_TEMP 2020149



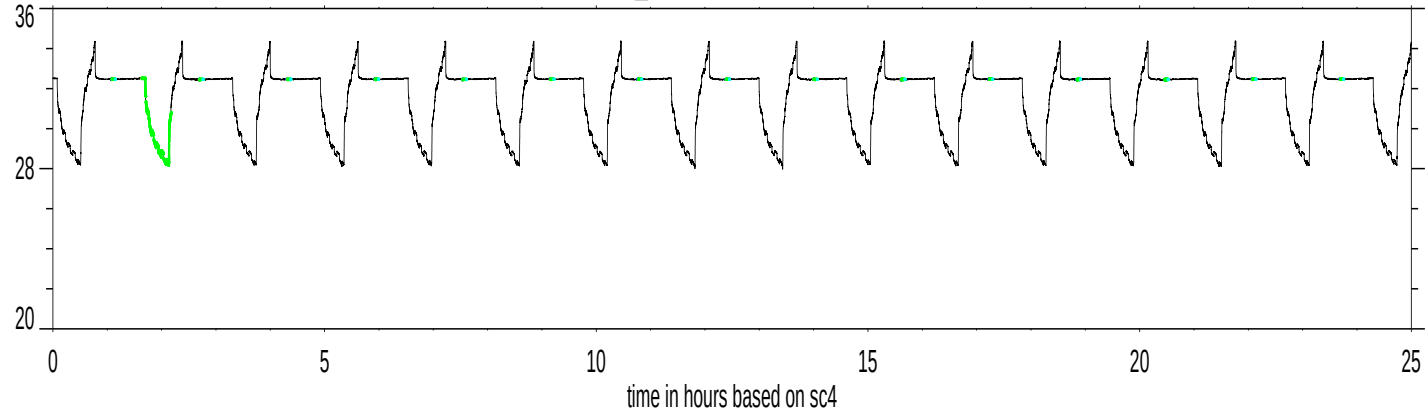
SSPP_BHND_MTR_TEMP 2020149



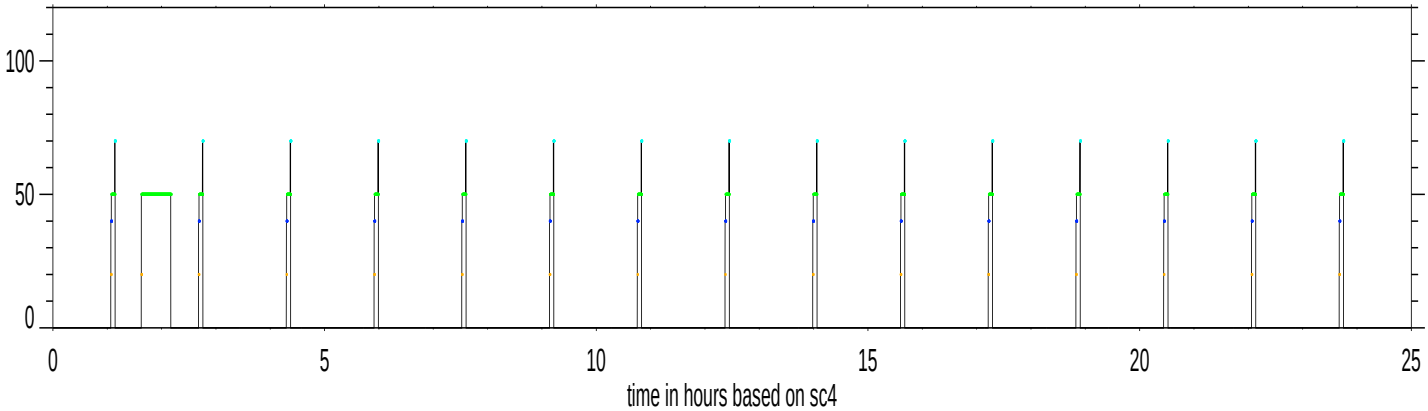
SEE_PKT_COUNT 2020149

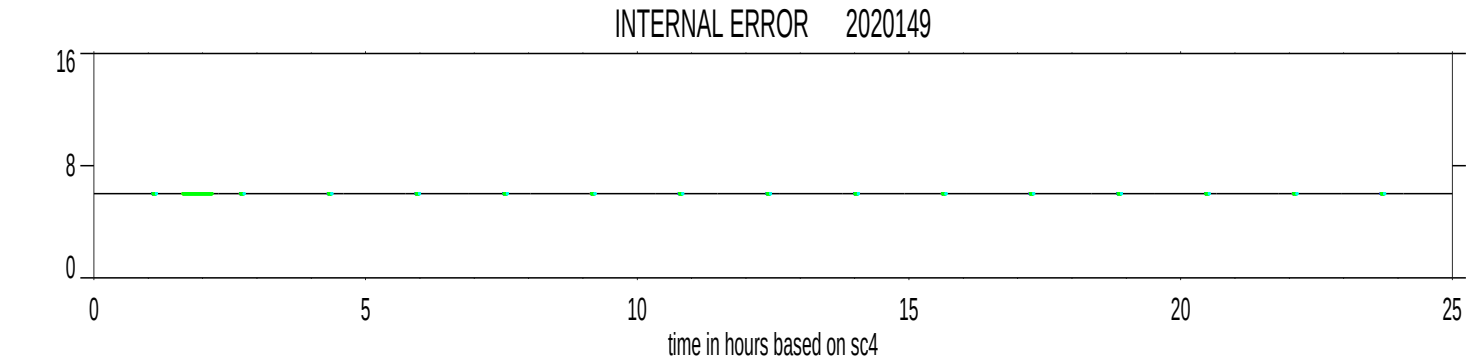


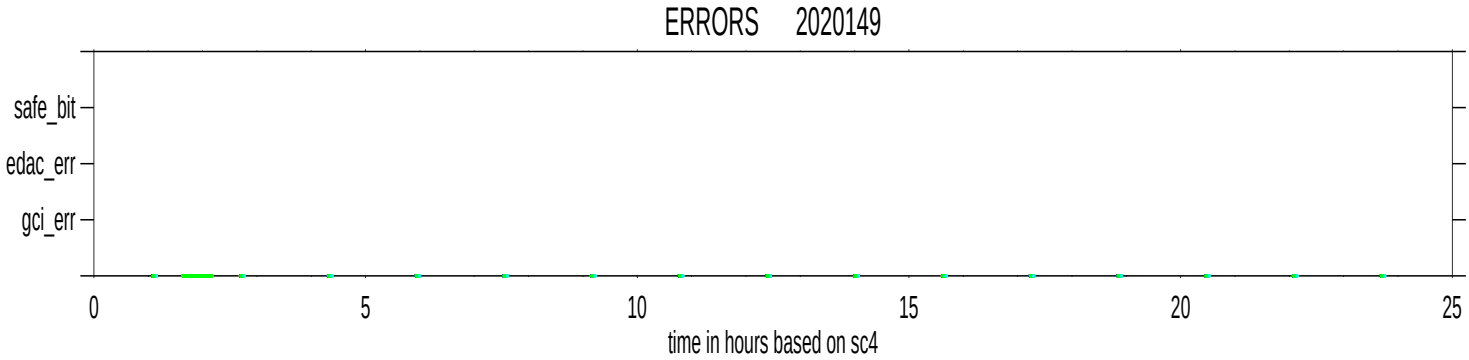
BUS_VOLTAGE 2020149

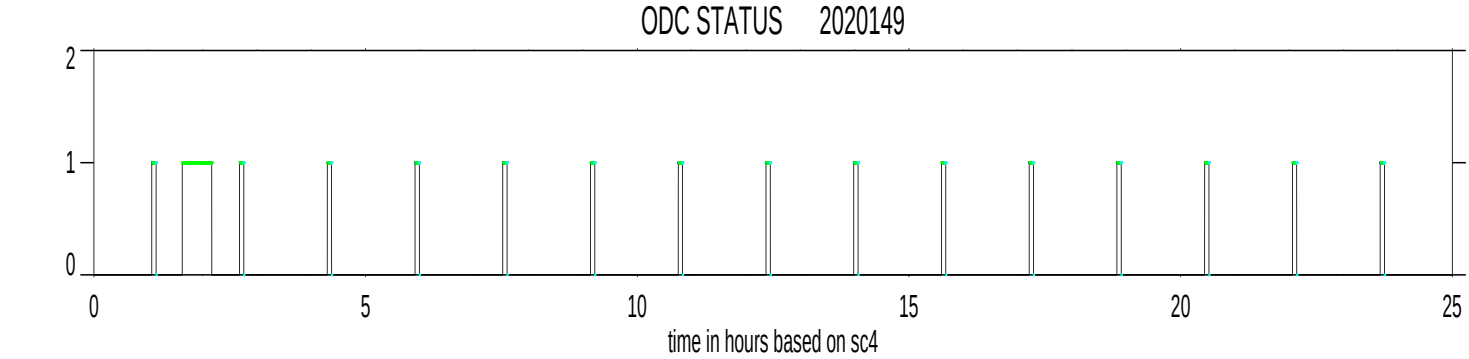


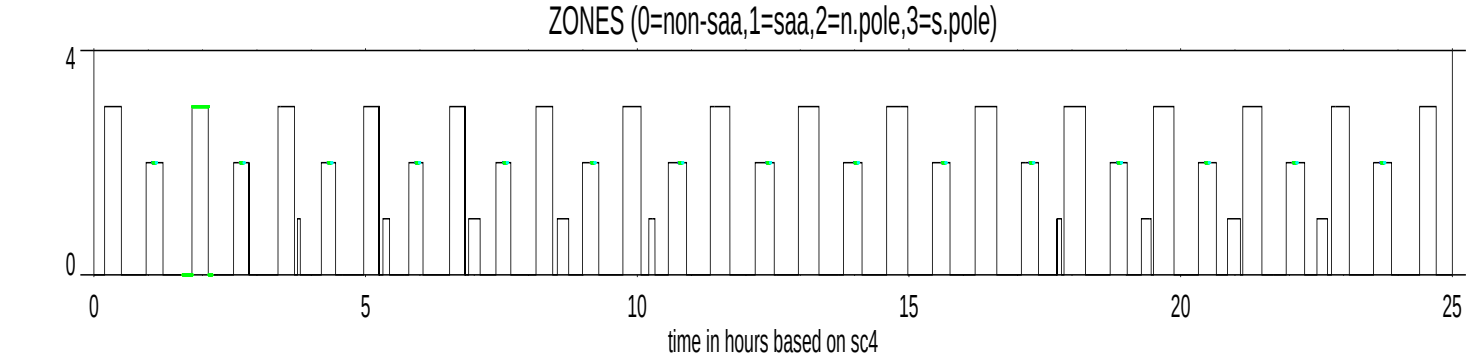
SEE_MU Operational Mode 2020149

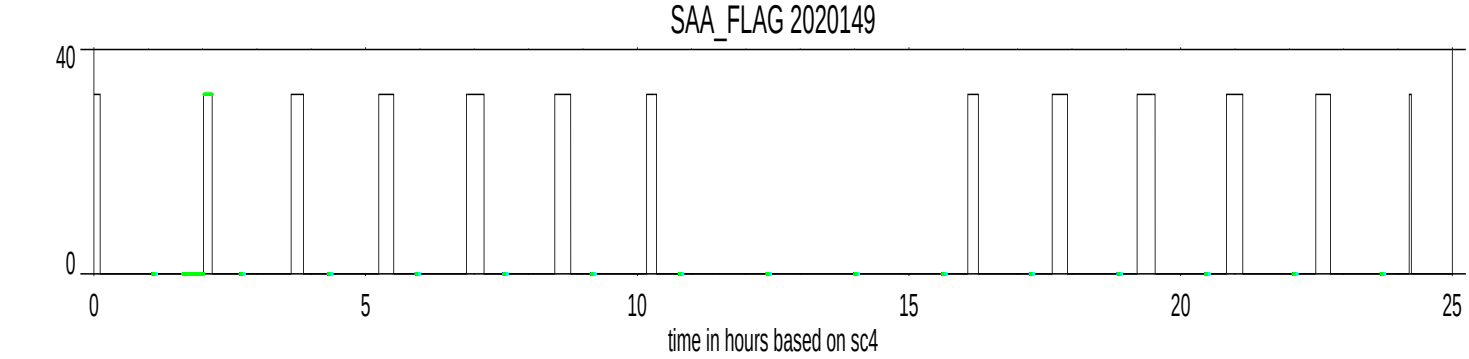


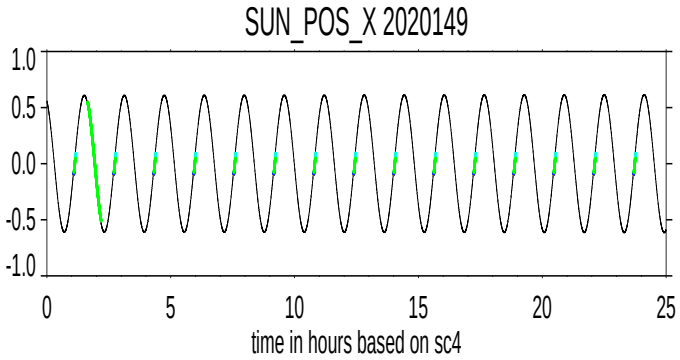

INTERNAL ERROR 2020149
16
8
0
0
5
10
15
20
25
time in hours based on sc4

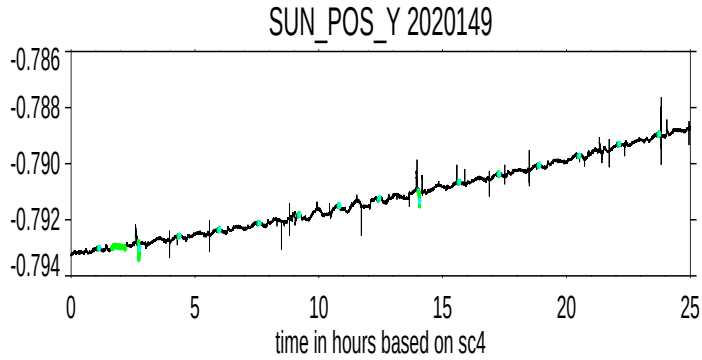

ERRORS 2020149
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

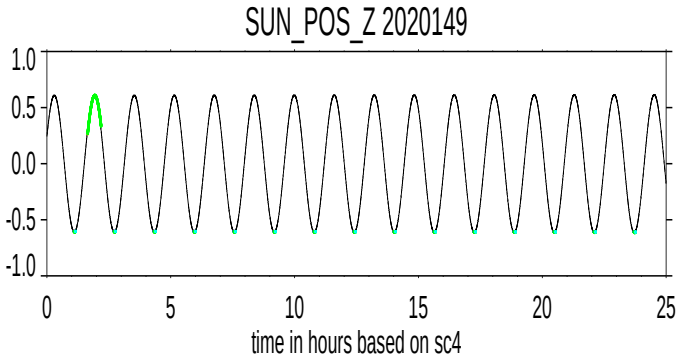

ODC STATUS 2020149
2
1
0
0
5
10
15
20
25
time in hours based on sc4

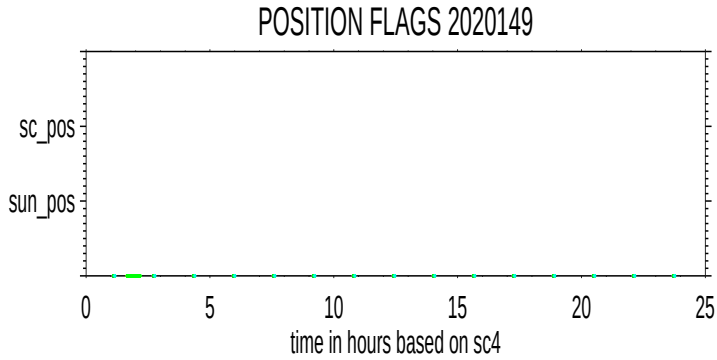

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

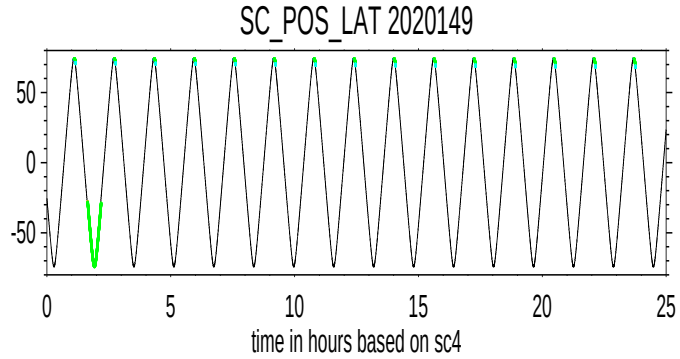

SAA_FLAG 2020149
40
0
0
5
10
15
20
25
time in hours based on sc4

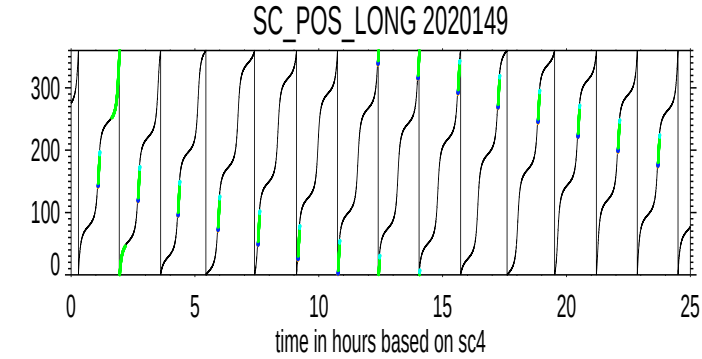

SUN_POS_X 2020149
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

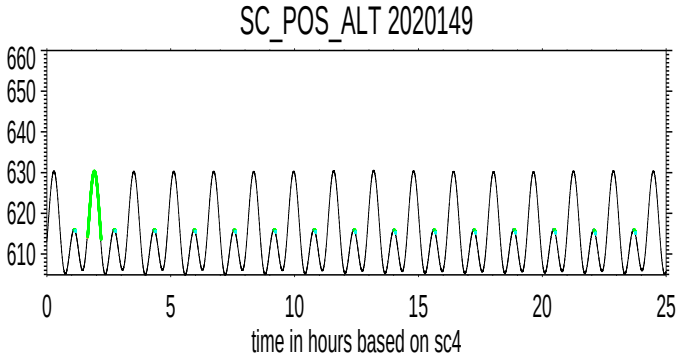

SUN_POS_Y 2020149
-0.786
-0.788
-0.790
-0.792
-0.794
0
5
10
15
20
25
time in hours based on sc4

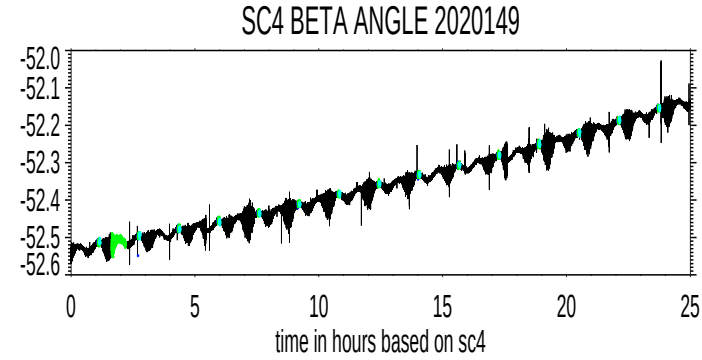

SUN_POS_Z 2020149
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020149
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020149
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020149
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020149
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020149
-52.0
-52.1
-52.2
-52.3
-52.4
-52.5
-52.6
0
5
10
15
20
25
time in hours based on sc4