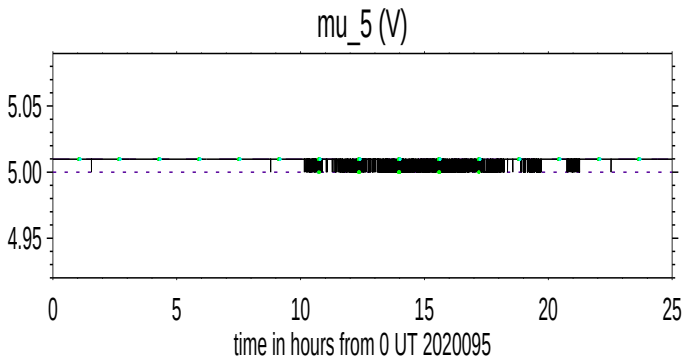
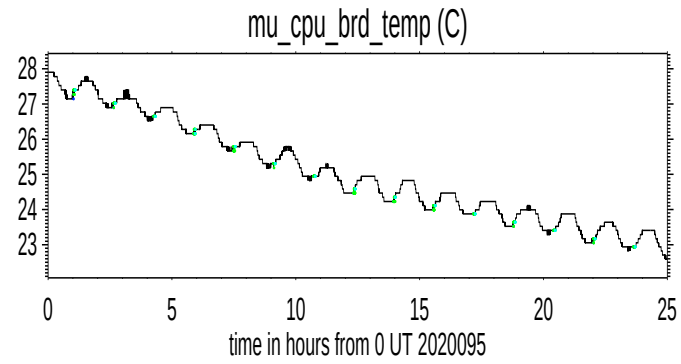
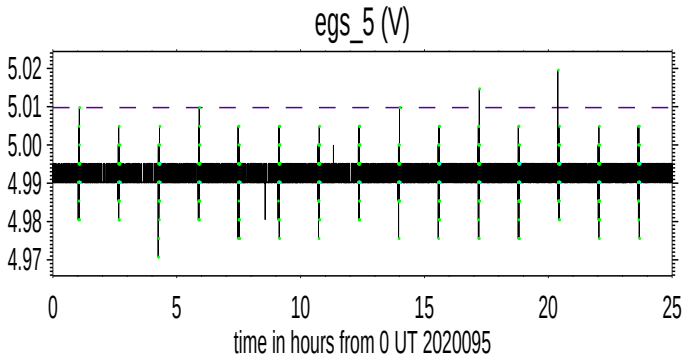
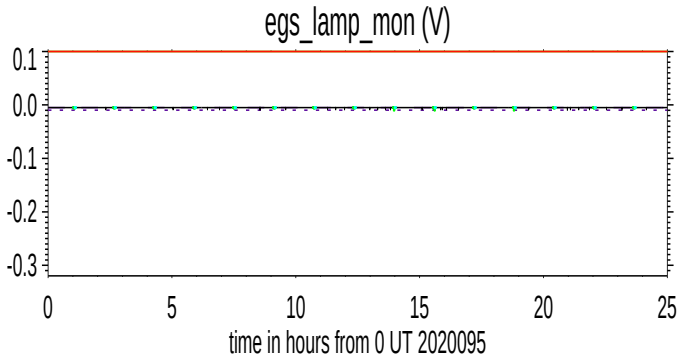
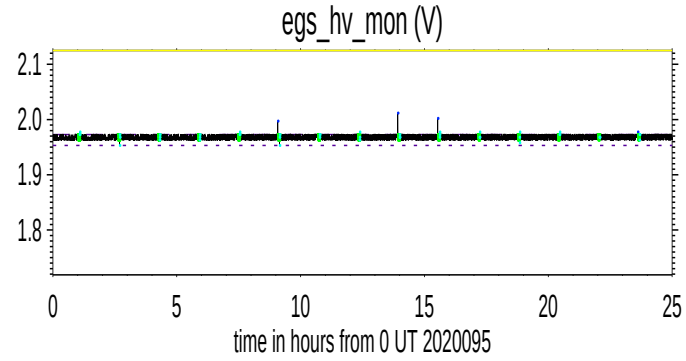
```
Information for      2020095
00:24:15.000: see_stat[2]: operational heater disabled
00:24:15.000: see_stat[2]: valid RAM program not loaded
```

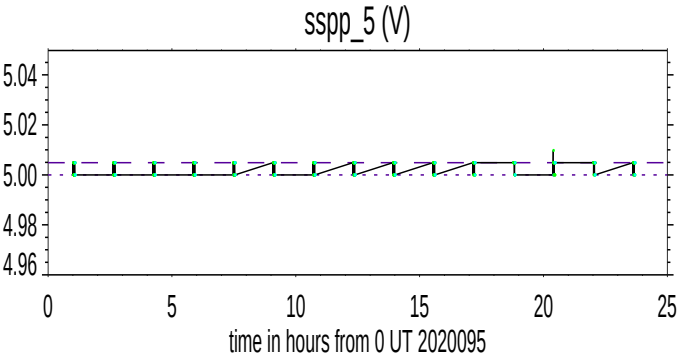

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020095

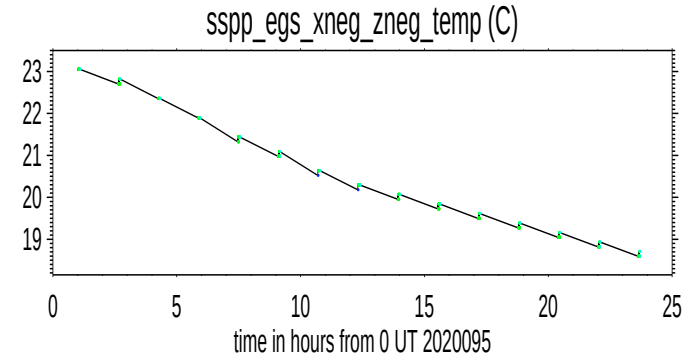

mu_cpu_brd_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020095

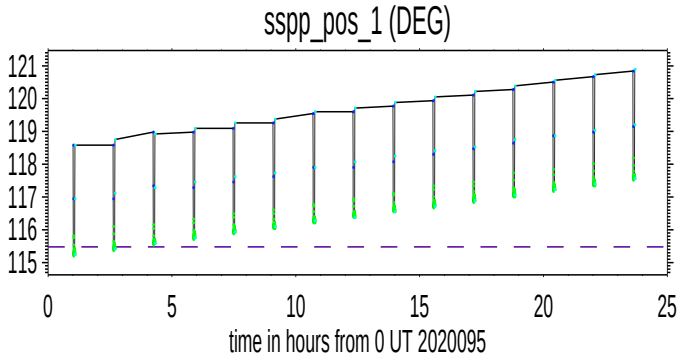

egs_5 (V)
5.02
5.01
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2020095

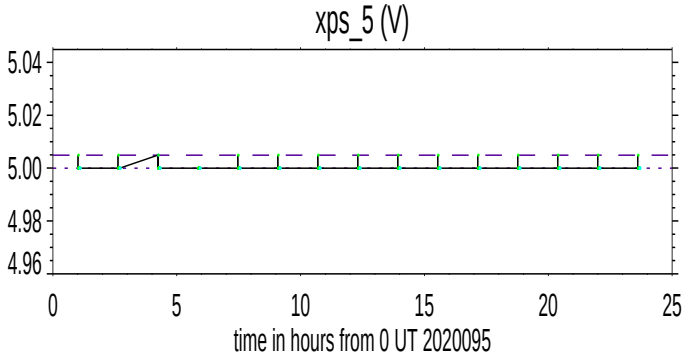

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_hv_mon (V)
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2020095


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 2020095


sspp_egs_xneg_zneg_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


sspp_pos_1 (DEG)
121
120
119
118
117
116
115
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_5 (V)
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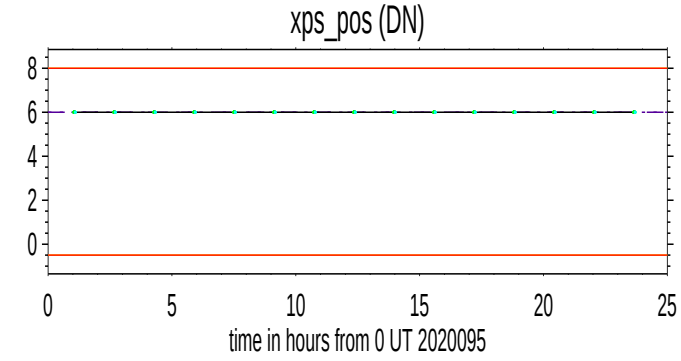
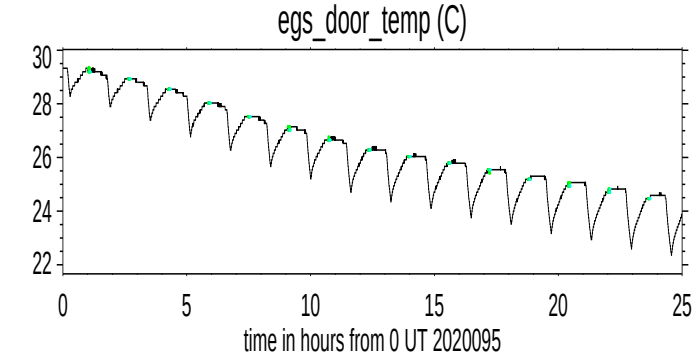
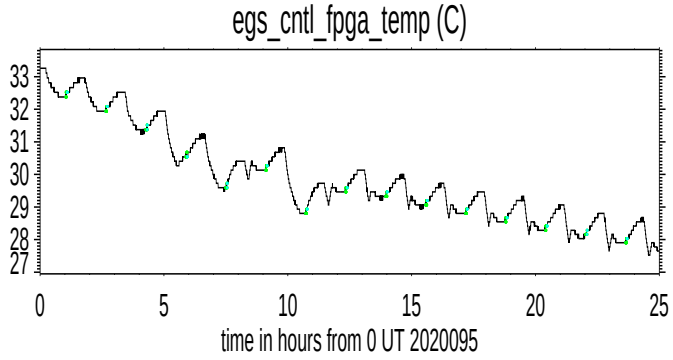
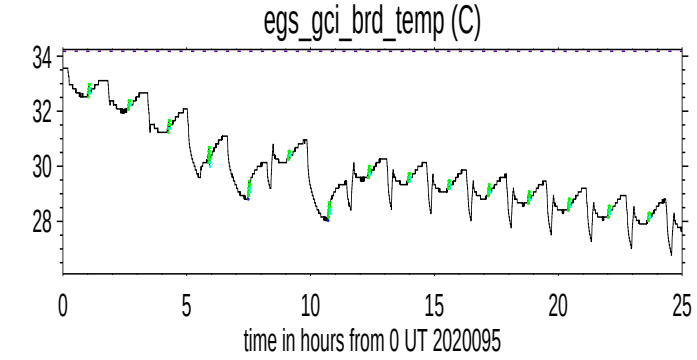
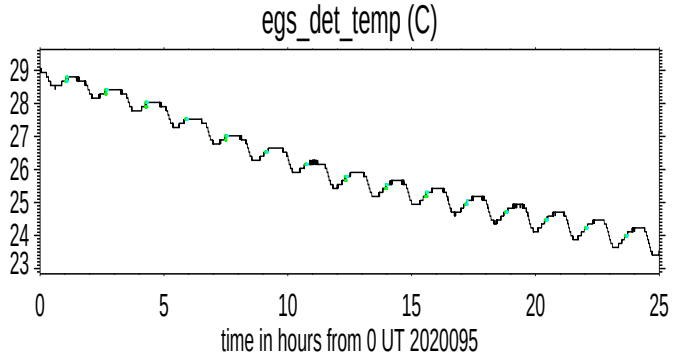
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_door_temp (C)
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_cntl_fpga_temp (C)
33
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_gci_brd_temp (C)
34
32
30
28
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_det_temp (C)
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28
27
26
25
24
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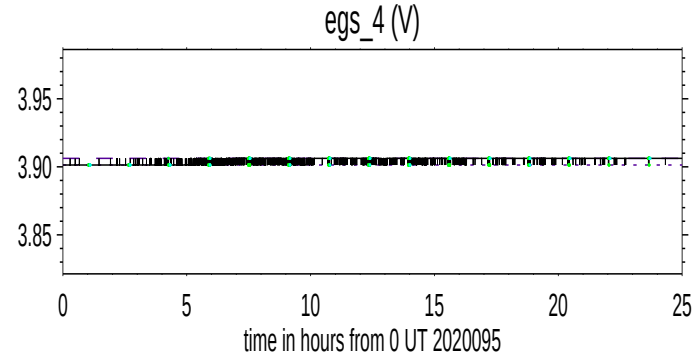
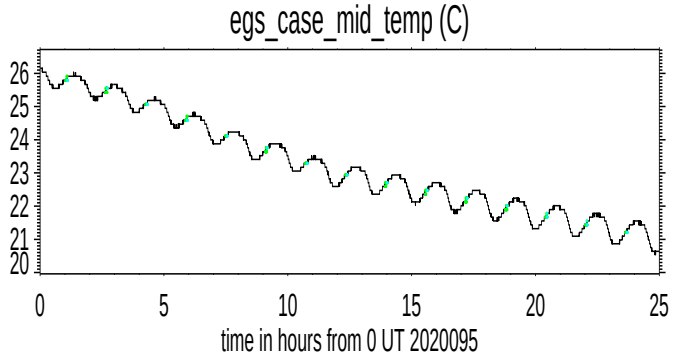
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_case_mid_temp (C)
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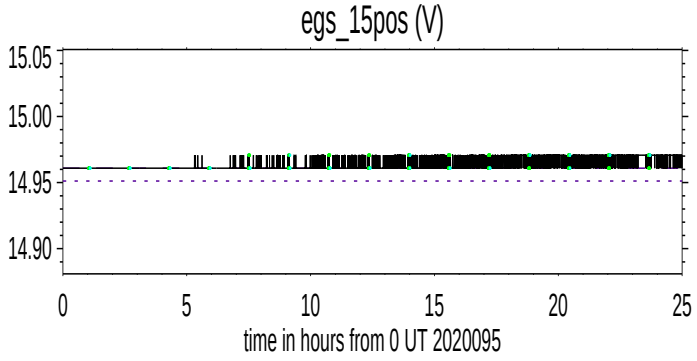
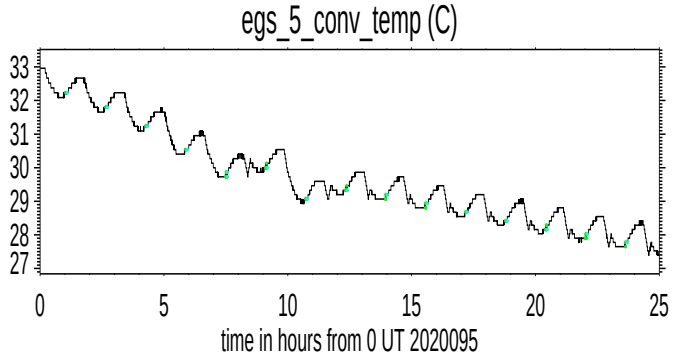
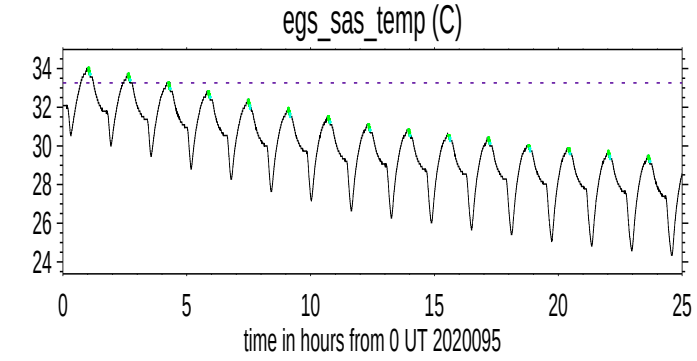
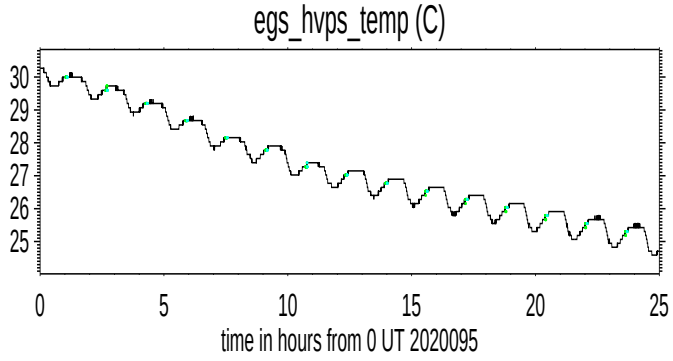
25
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_15pos (V)
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_5_conv_temp (C)
33
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_sas_temp (C)
34
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_hvps_temp (C)
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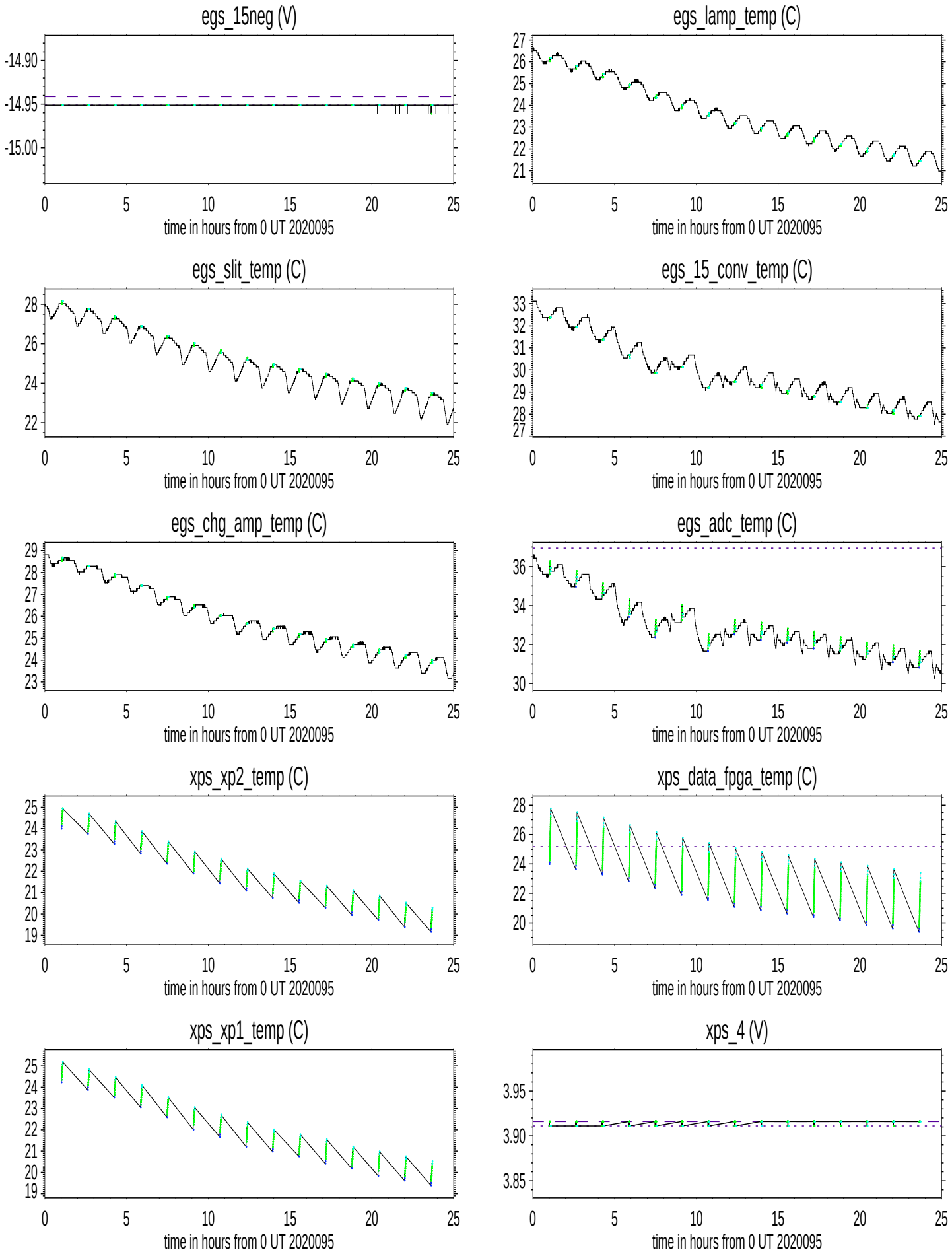
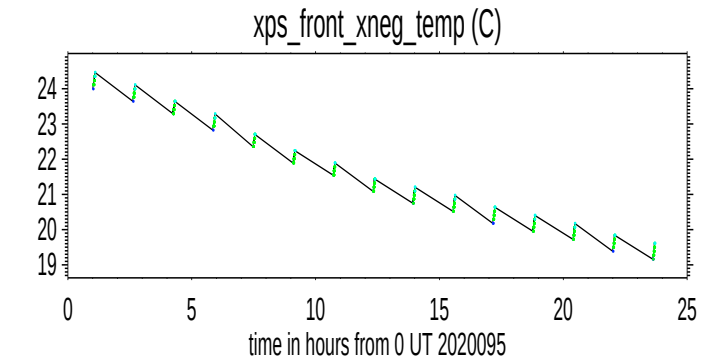
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2020095


egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2020095
egs_lamp_temp (C)
27 26 25 24 23 22 21
0 5 10 15 20 25
time in hours from 0 UT 2020095
egs_slit_temp (C)
28 26 24 22
0 5 10 15 20 25
time in hours from 0 UT 2020095
egs_15_conv_temp (C)
33 32 31 30 29 28 27
0 5 10 15 20 25
time in hours from 0 UT 2020095
egs_chg_amp_temp (C)
29 28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2020095
egs_adc_temp (C)
36 34 32 30
0 5 10 15 20 25
time in hours from 0 UT 2020095
xps_xp2_temp (C)
25 24 23 22 21 20 19
0 5 10 15 20 25
time in hours from 0 UT 2020095
xps_data_fpga_temp (C)
28 26 24 22 20
0 5 10 15 20 25
time in hours from 0 UT 2020095
xps_xp1_temp (C)
25 24 23 22 21 20 19
0 5 10 15 20 25
time in hours from 0 UT 2020095
xps_4 (V)
3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2020095


xps_front_xneg_temp (C)
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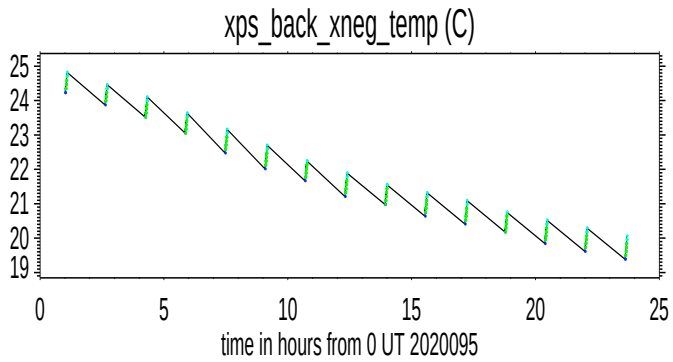
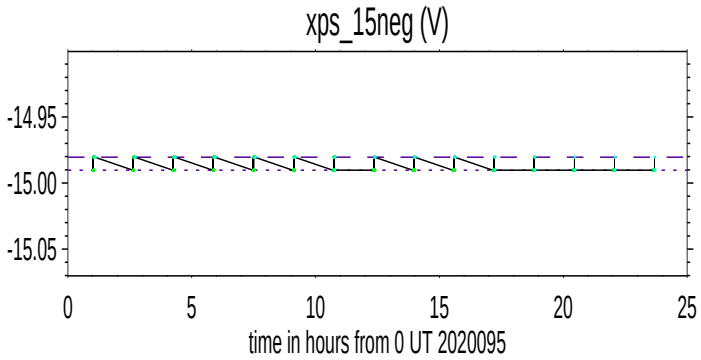
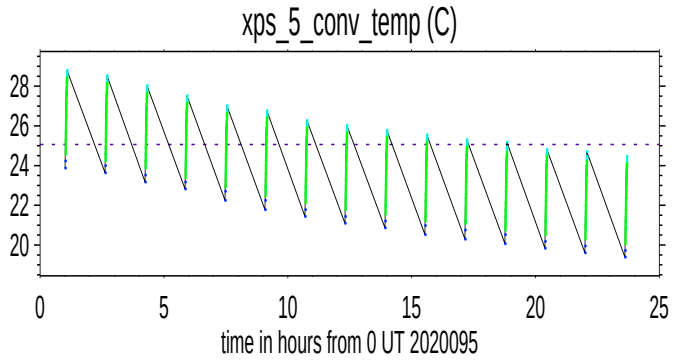
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_back_xneg_temp (C)
25
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_5_conv_temp (C)
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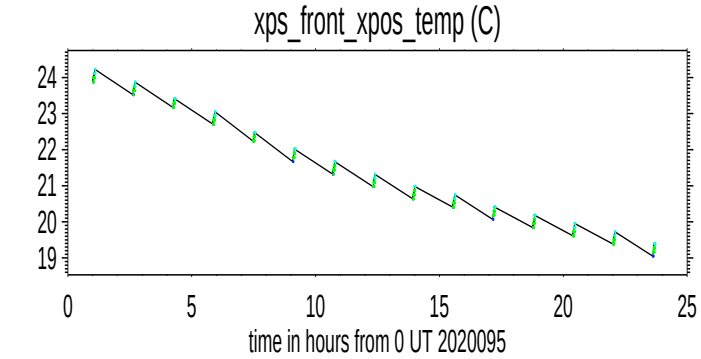
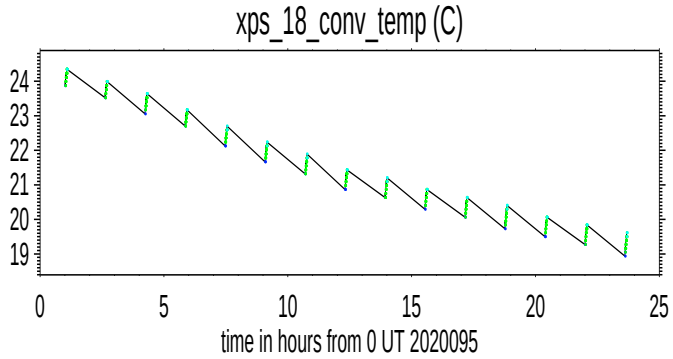
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_front_xpos_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095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21
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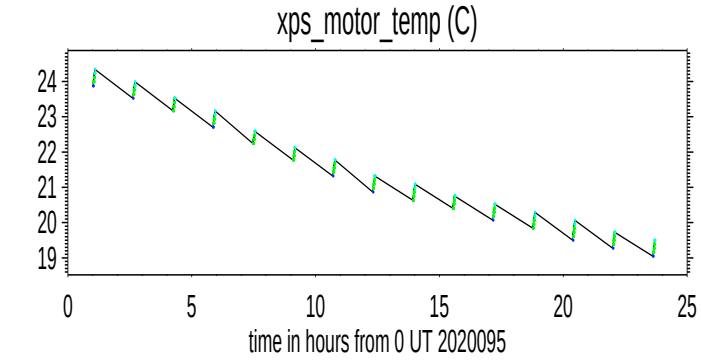
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_motor_temp (C)
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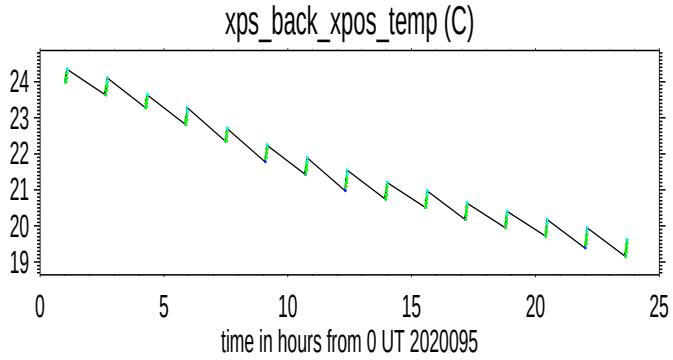
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_back_xpos_temp (C)
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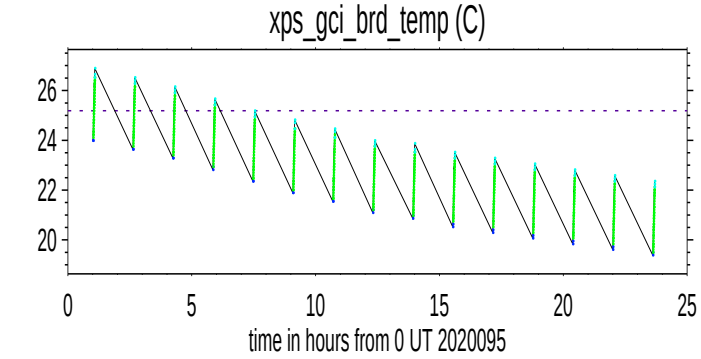
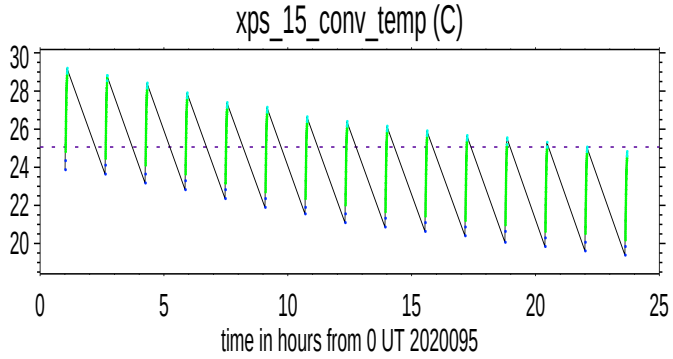
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_gci_brd_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_15_conv_temp (C)
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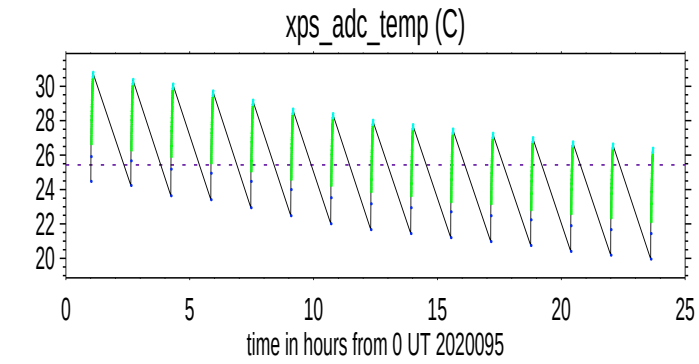
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095


xps_adc_temp (C)
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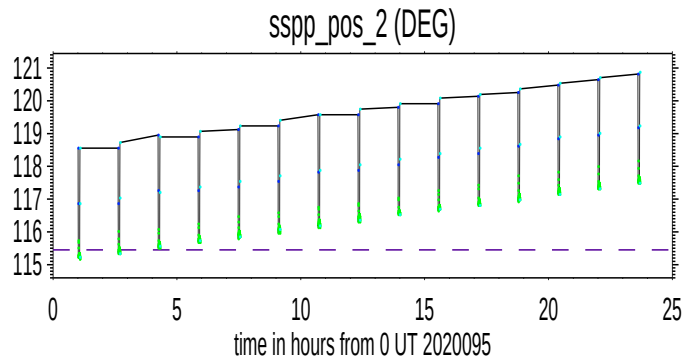
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095


sspp_pos_2 (DEG)
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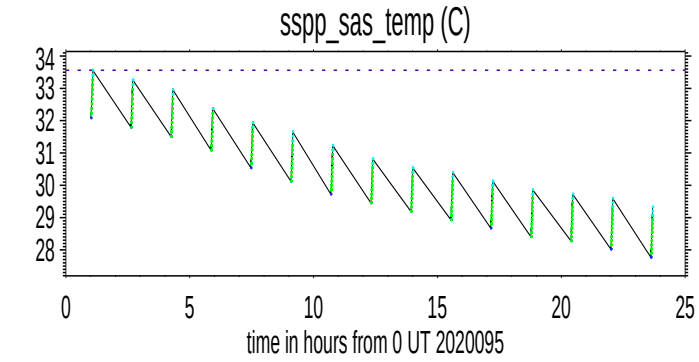
120
119
118
117
116
115
0
5
10
15
20
25
time in hours from 0 UT 2020095


sspp_sas_temp (C)
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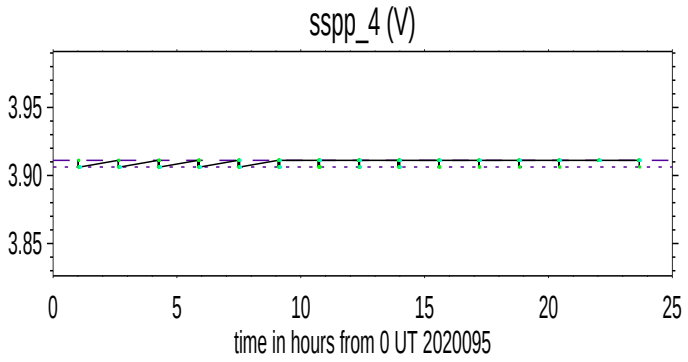
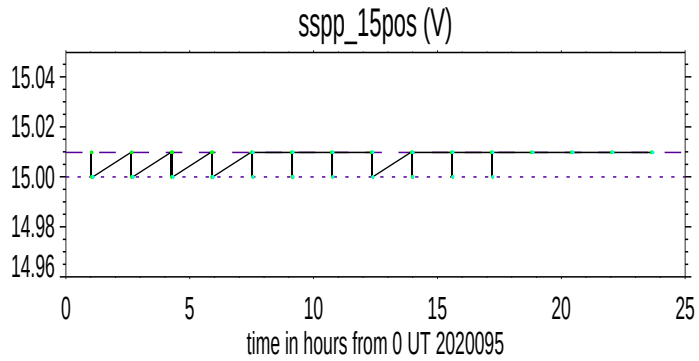
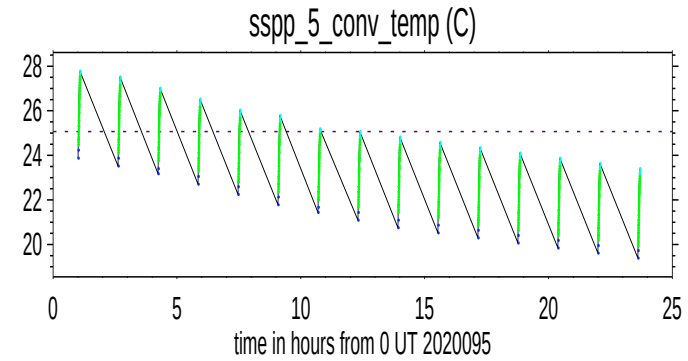
33
32
31
30
29
28
0
5
10
15
20
25
time in hours from 0 UT 2020095


sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020095


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 2020095


sspp_5_conv_temp (C)
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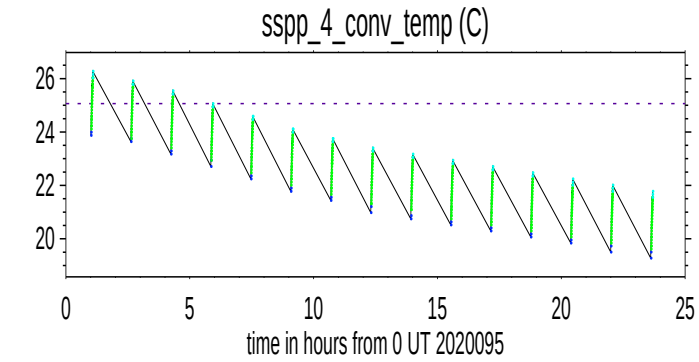
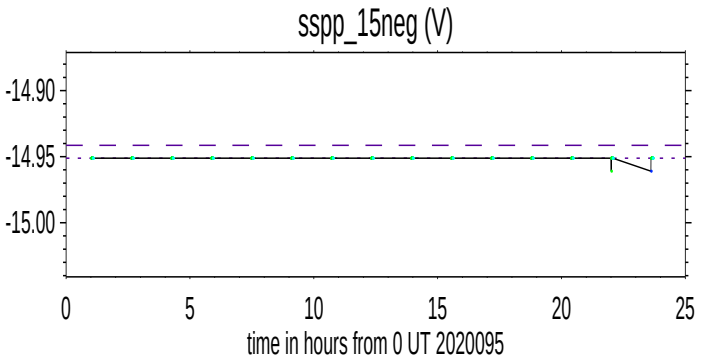
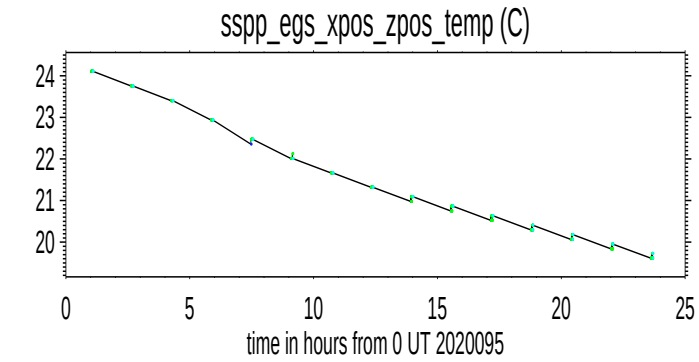
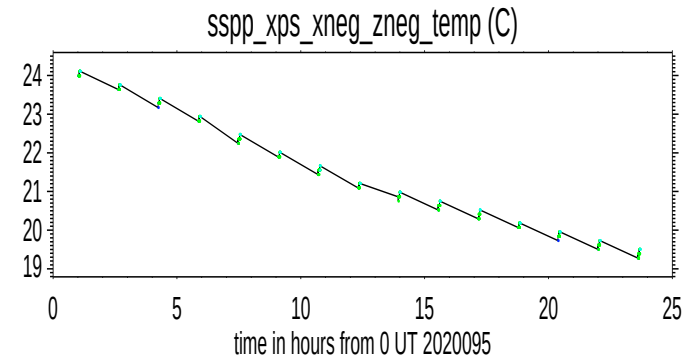
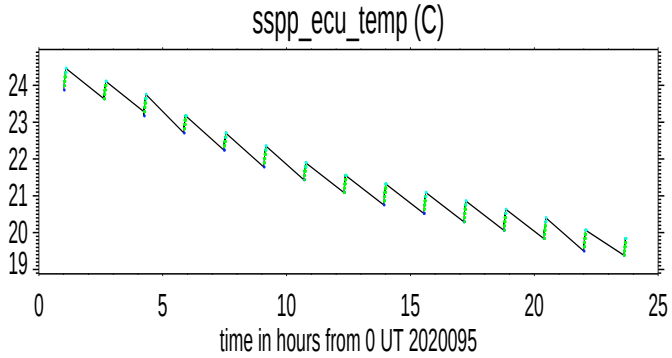
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

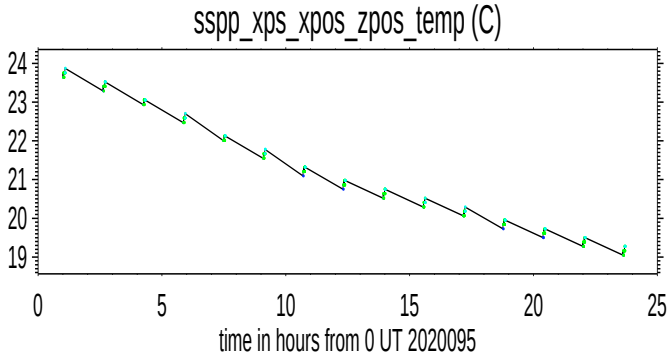

sspp_4_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

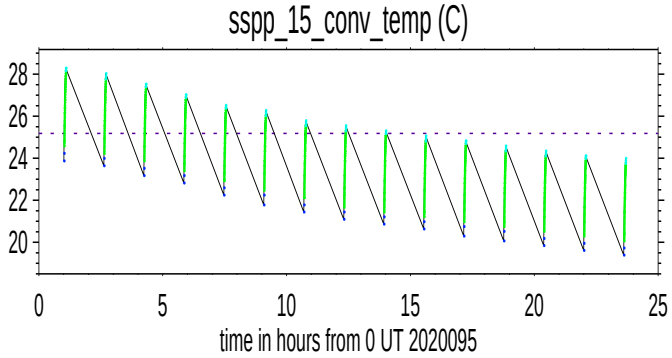

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020095

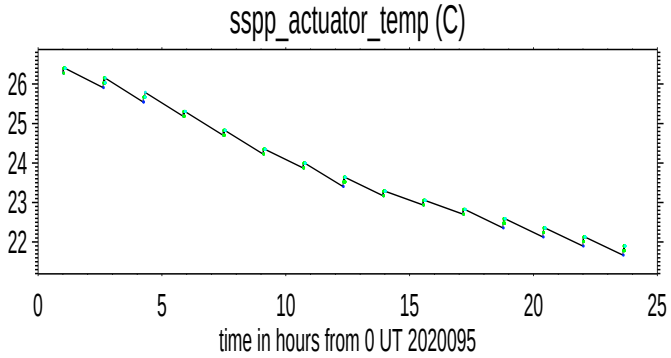

sspp_egs_xpos_zpos_temp (C)
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

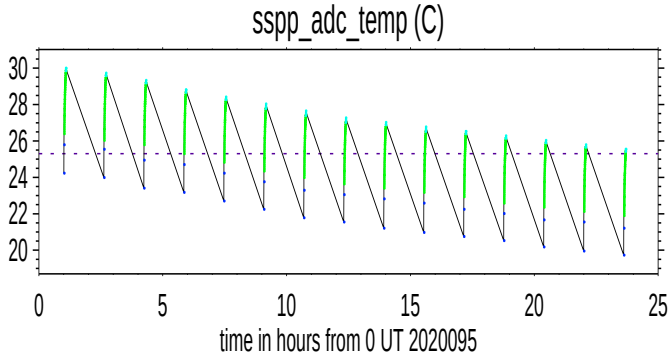

sspp_xps_xneg_zneg_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095

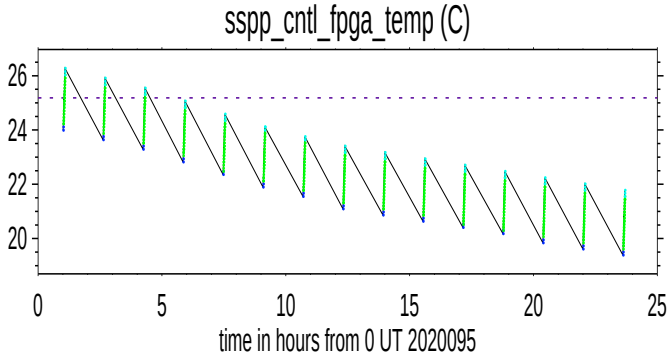

sspp_ecu_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095

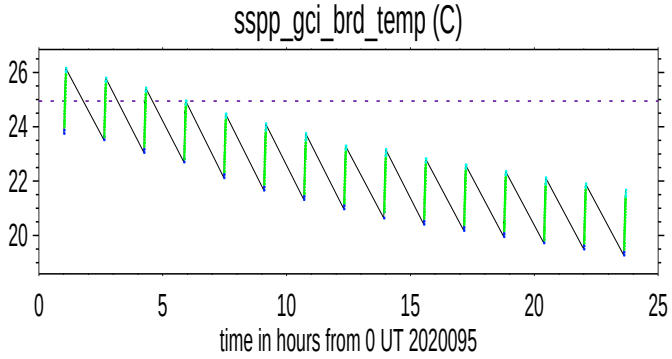

sspp_xps_xpos_zpos_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095

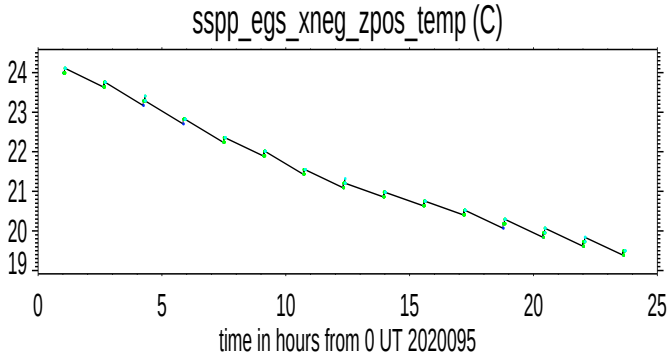

sspp_15_conv_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

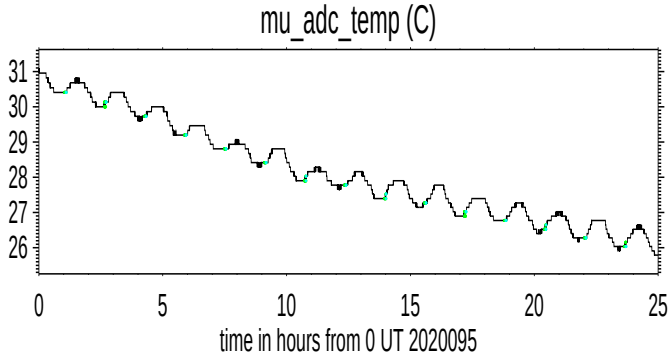

sspp_actuator_temp (C)
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2020095

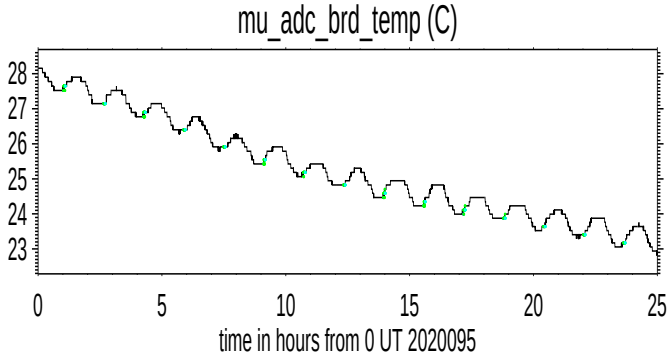

sspp_adc_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

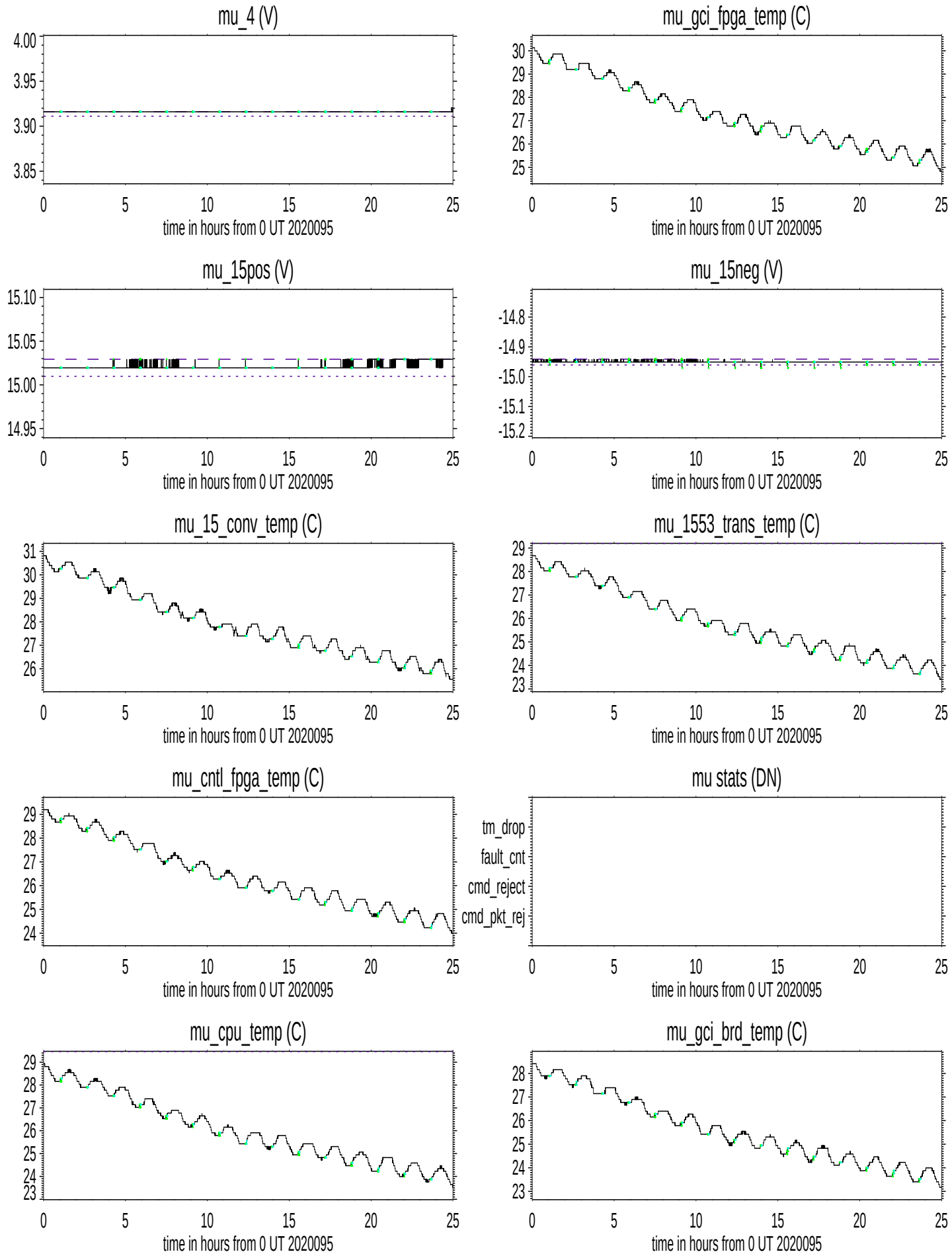

sspp_cntl_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

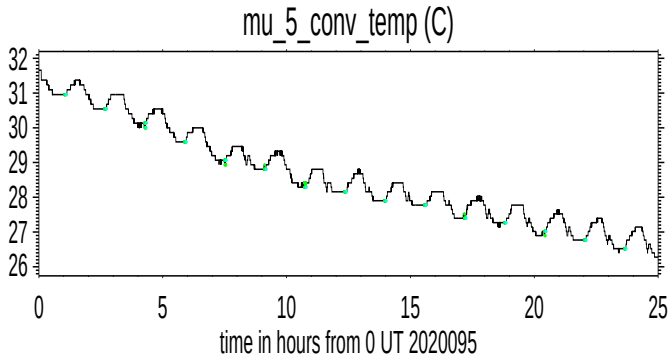

sspp_gci_brd_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2020095

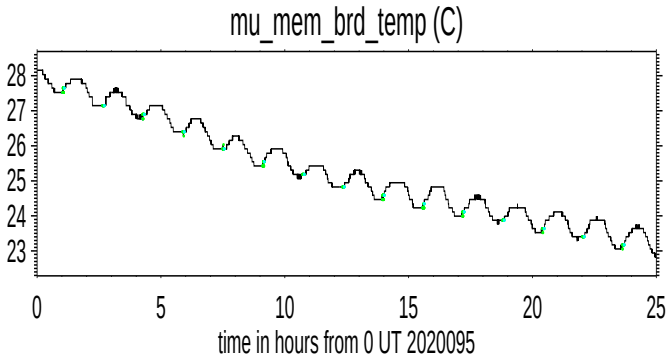

sspp_egs_xneg_zpos_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020095

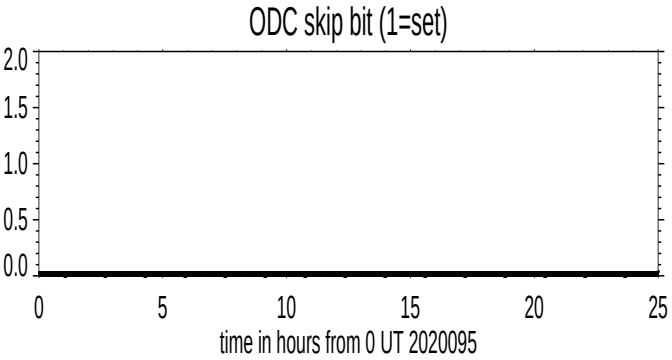

mu_adc_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020095

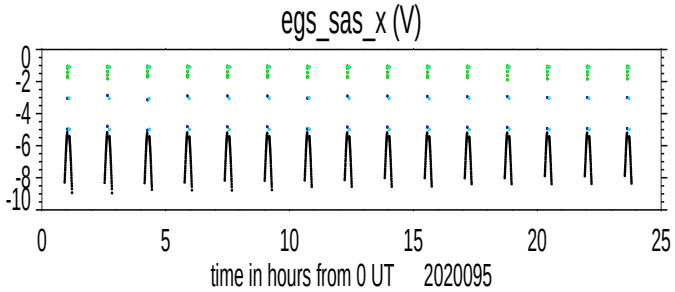

mu_adc_brd_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020095

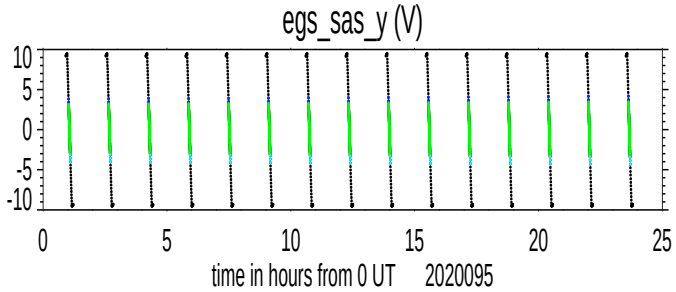

mu_4 (V)
4.00
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_gci_fpga_temp (C)
30 29 28 27 26 25
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_15pos (V)
15.10
15.05
15.00
14.95
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_15_conv_temp (C)
31 30 29 28 27 26
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_1553_trans_temp (C)
29 28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_cntl_fpga_temp (C)
29 28 27 26 25 24
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_cpu_temp (C)
29 28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2020095
mu_gci_brd_temp (C)
28 27 26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2020095

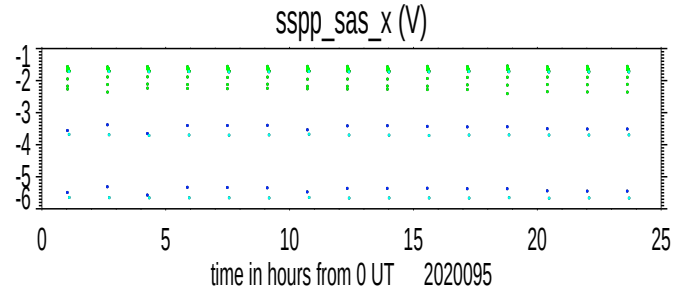

mu_5_conv_temp (C)
32
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020095

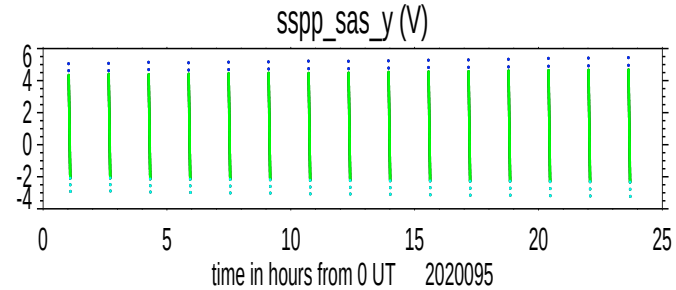

mu_mem_brd_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020095

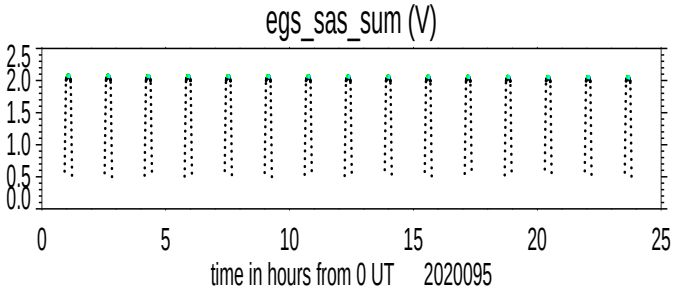

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020095

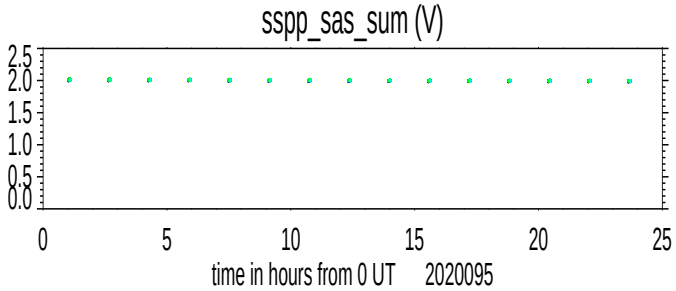

egs_sas_x (V)
time in hours from 0 UT 2020095

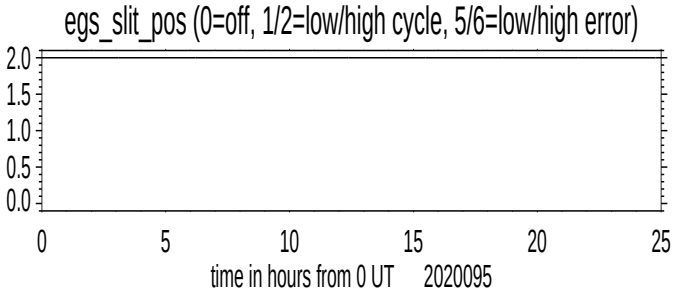

egs_sas_y (V)
time in hours from 0 UT 2020095

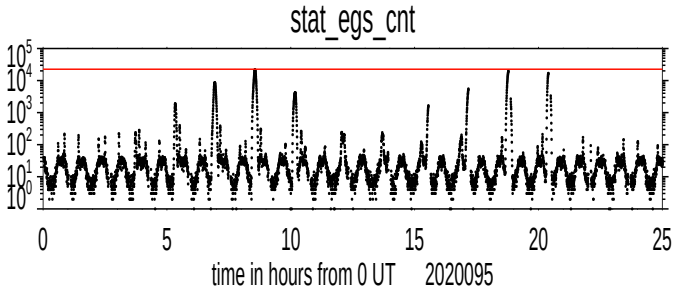

sspp_sas_x (V)
time in hours from 0 UT 2020095

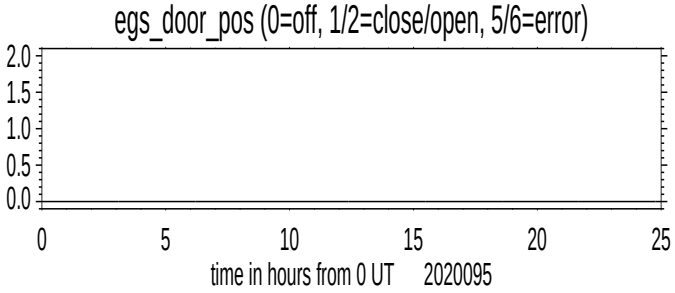

sspp_sas_y (V)
time in hours from 0 UT 2020095

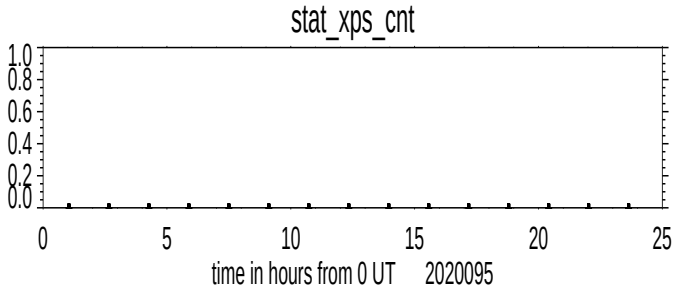

egs_sas_sum (V)
time in hours from 0 UT 2020095

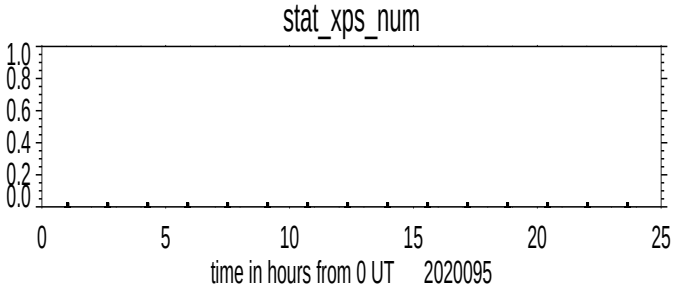

sspp_sas_sum (V)
time in hours from 0 UT 2020095

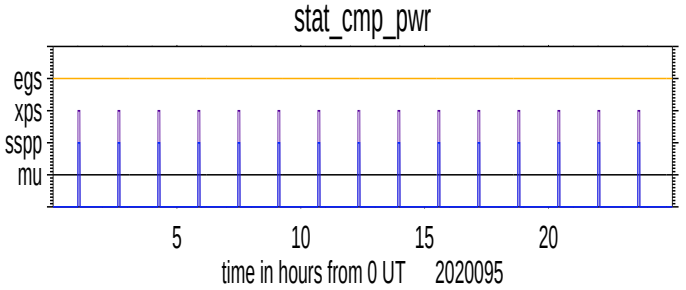

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020095


stat_egs_cnt
time in hours from 0 UT 2020095

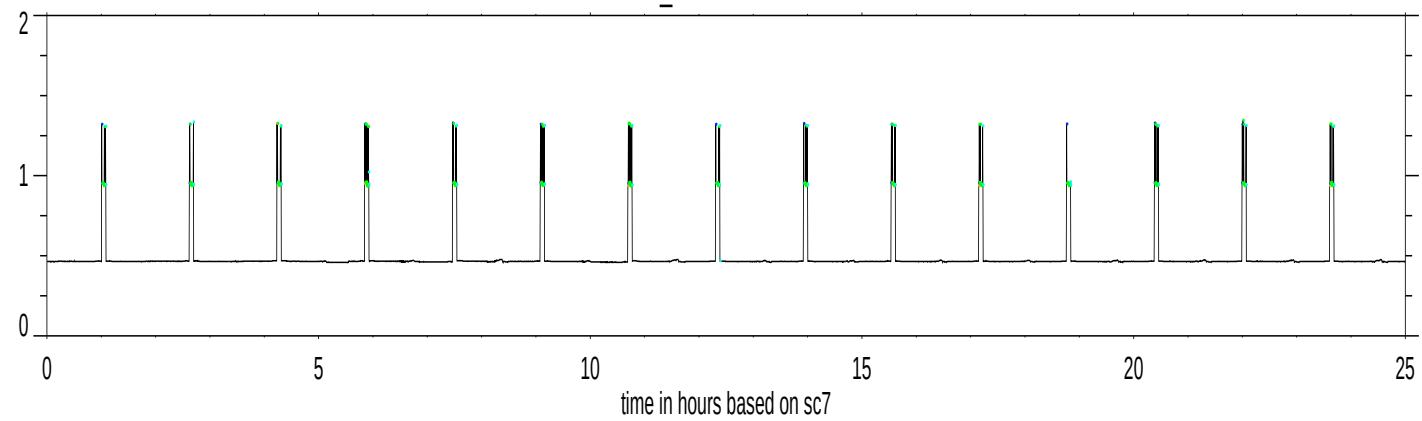

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020095


stat_xps_cnt
time in hours from 0 UT 2020095

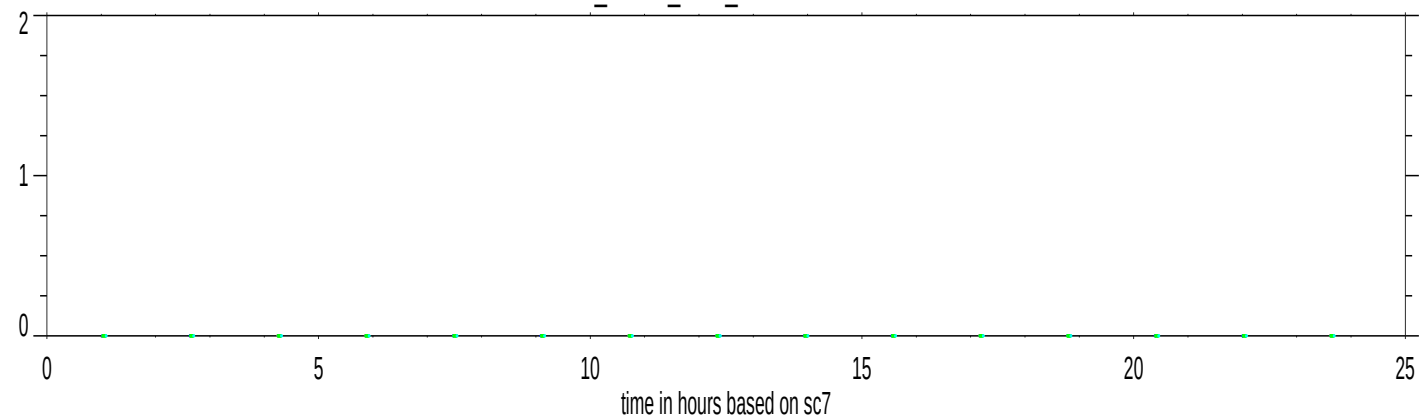

stat_xps_num
time in hours from 0 UT 2020095


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020095

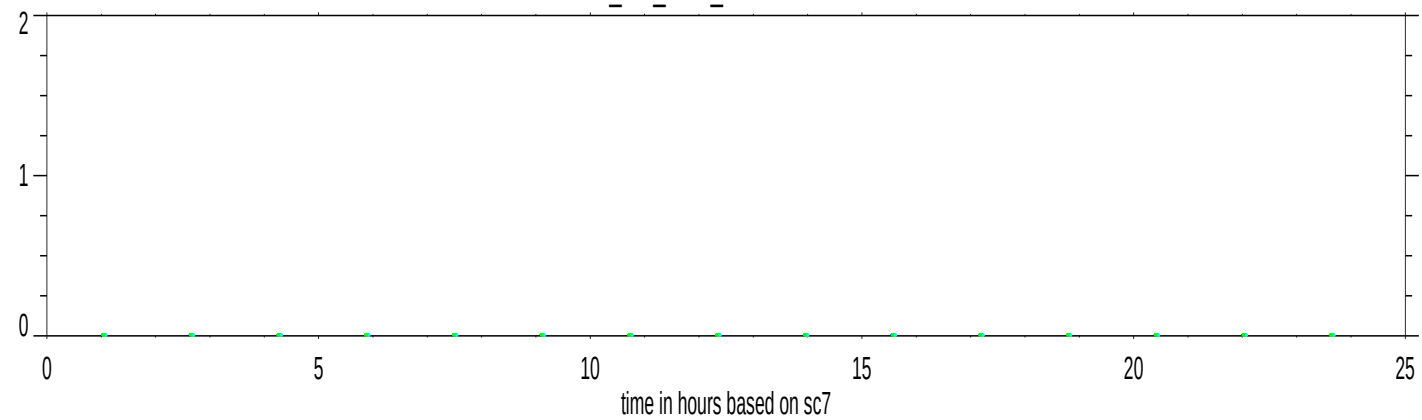
SEE_CUR 2020095



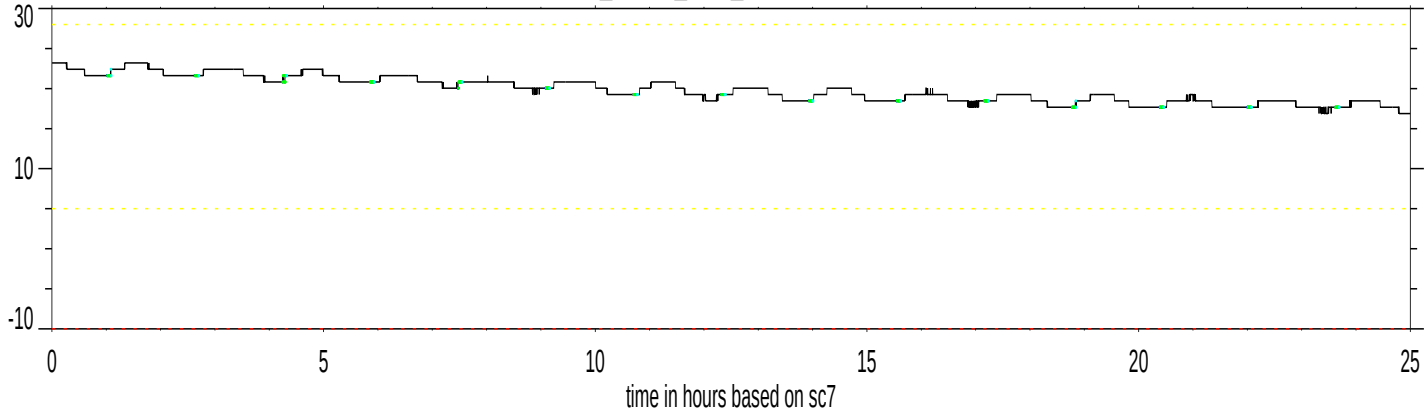
SEE_SURV_HTR_CUR 2020095



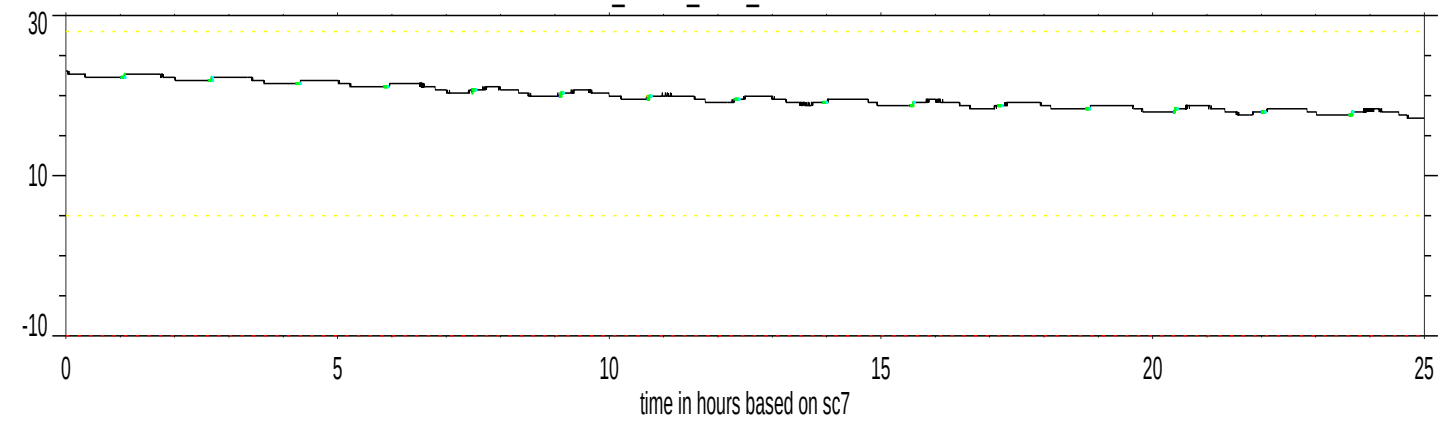
SEE_OP_HTR_CUR 2020095



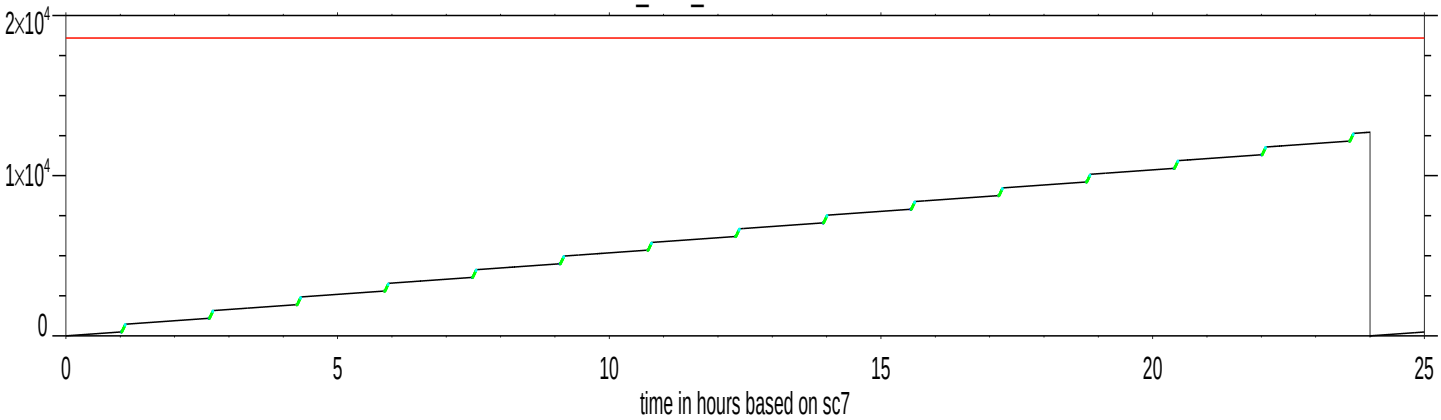
SSPP_BHND_XPS_TEMP 2020095



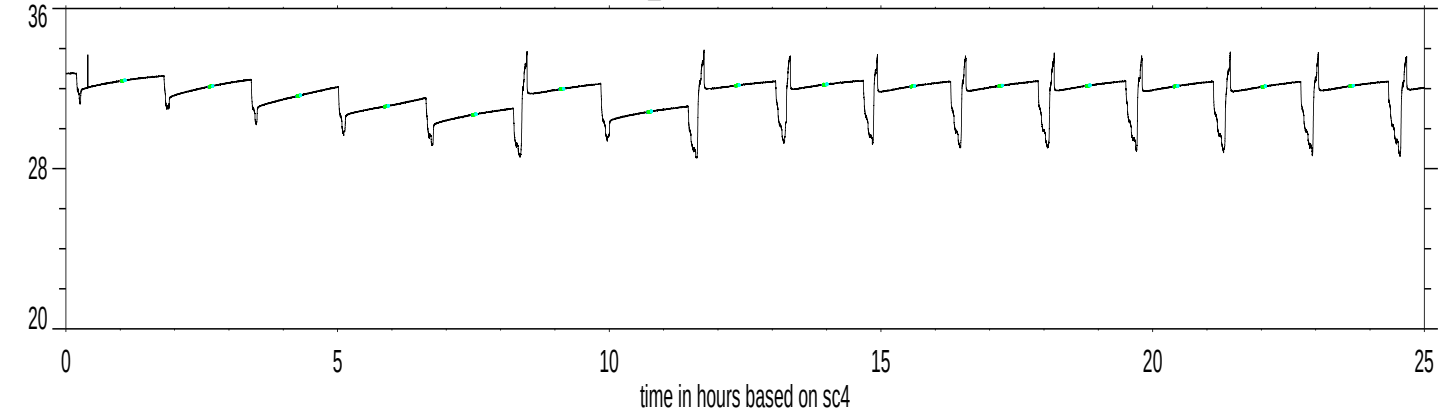
SSPP_BHND_MTR_TEMP 2020095



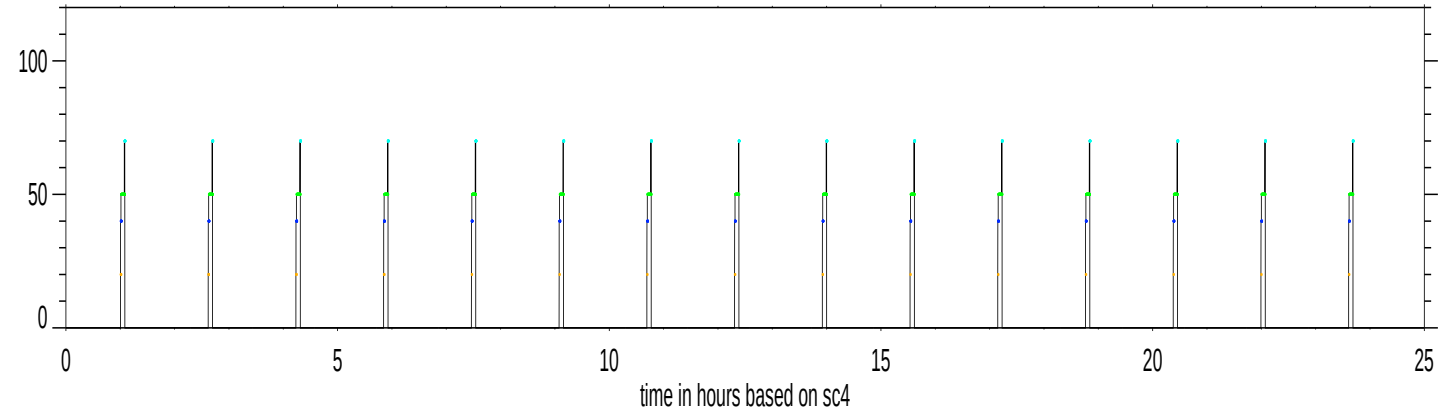
SEE_PKT_COUNT 2020095



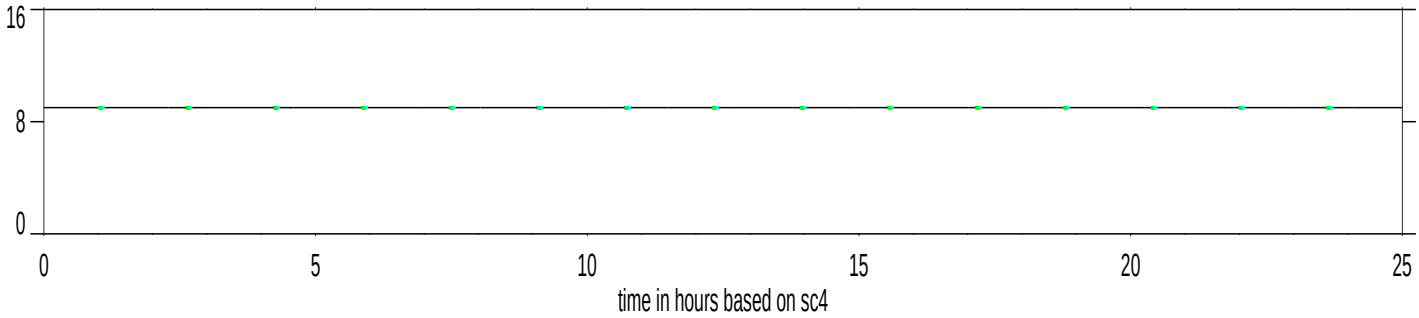
BUS_VOLTAGE 2020095



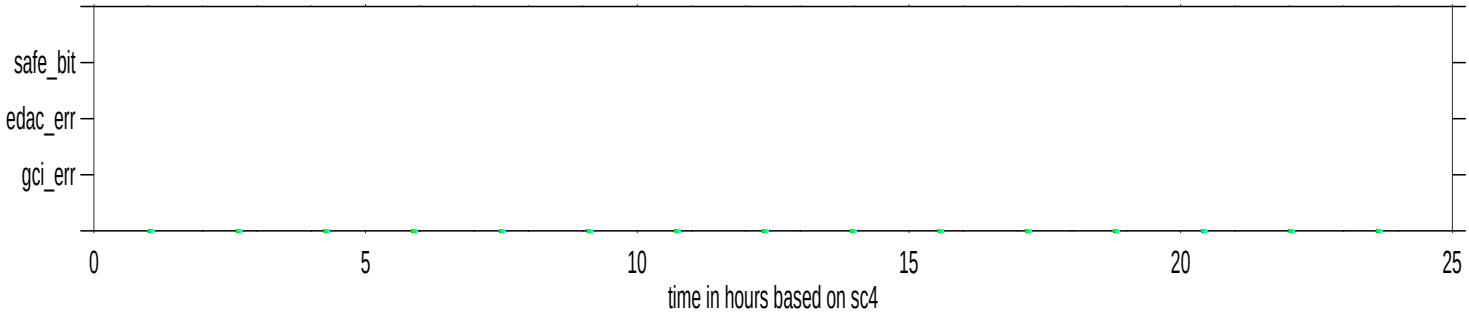
SEE_MU Operational Mode 2020095



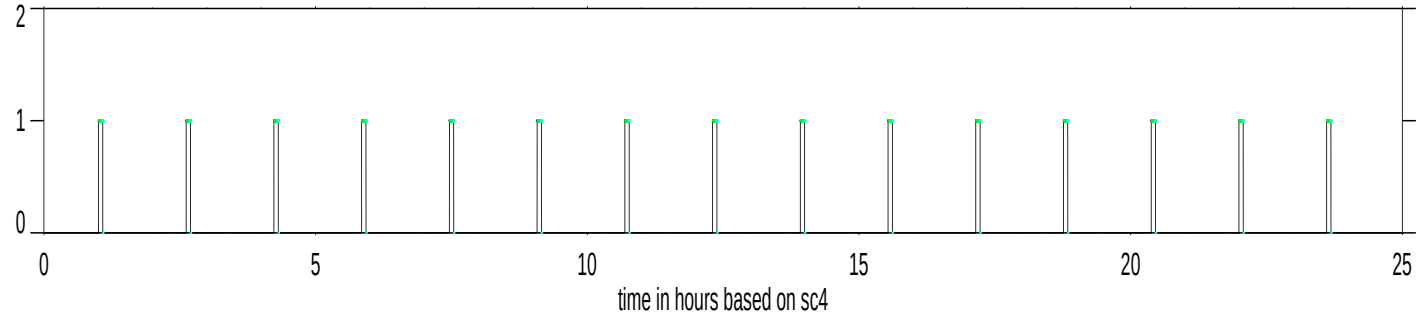
INTERNAL ERROR 2020095



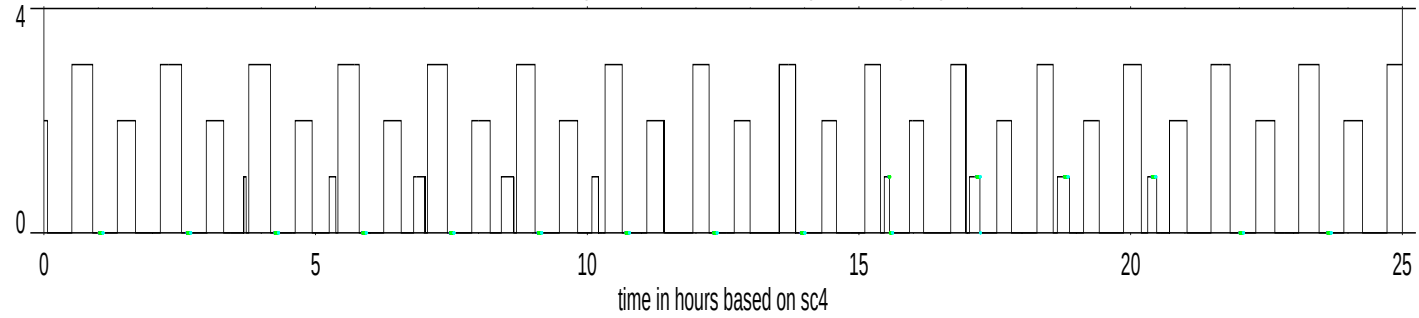
ERRORS 2020095



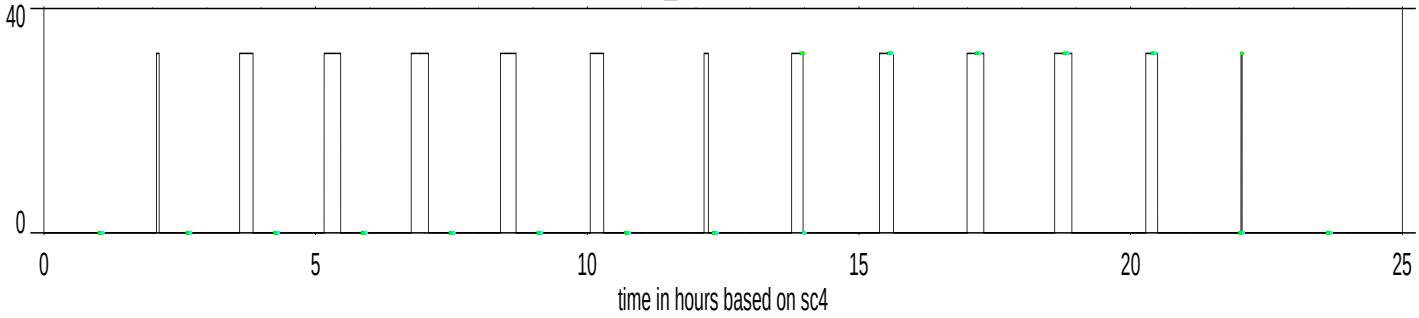
ODC STATUS 2020095

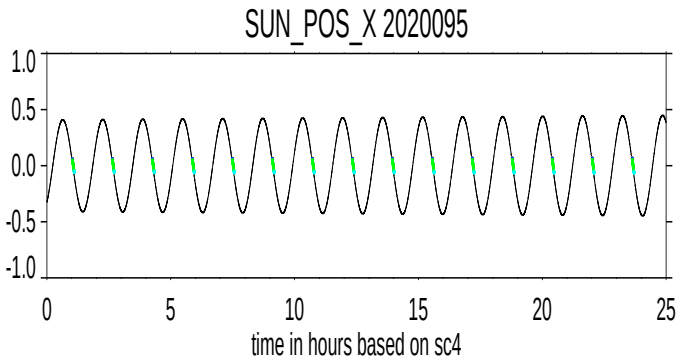


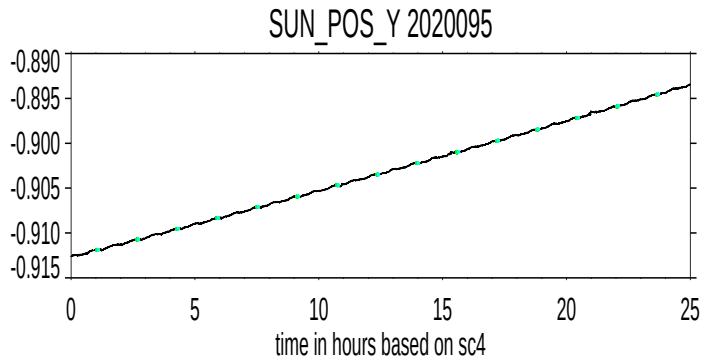
ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)

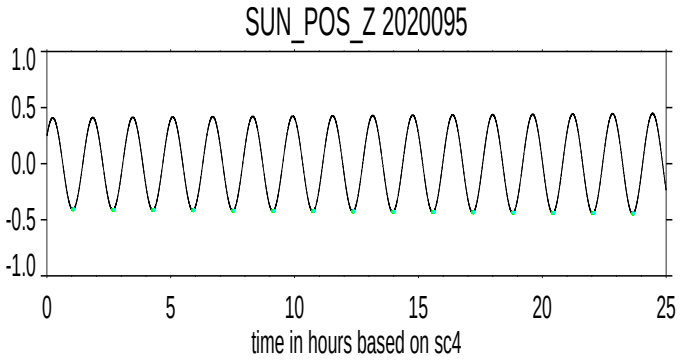


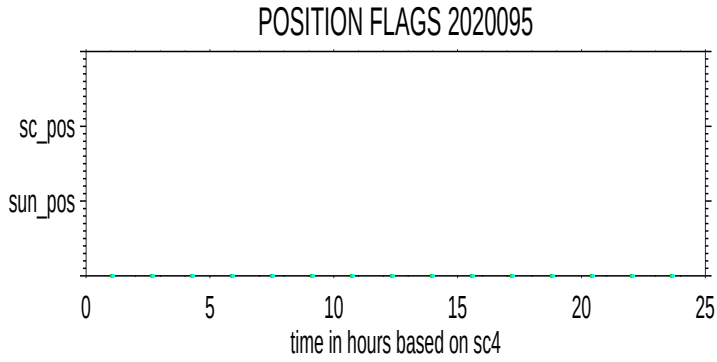
SAA_FLAG 2020095

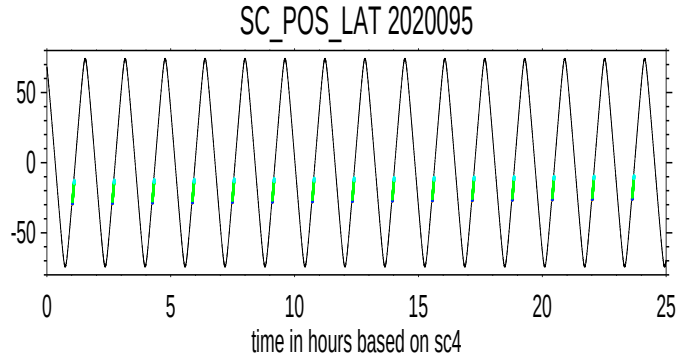


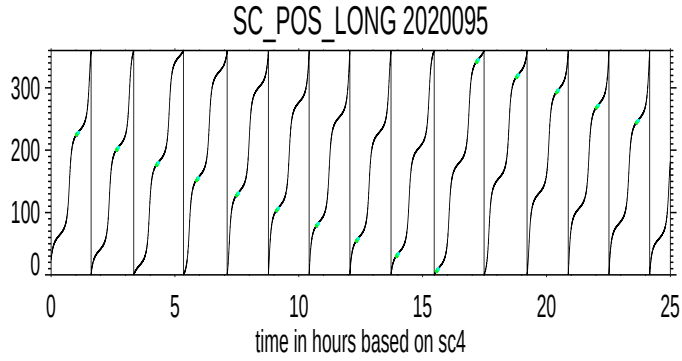

SUN_POS_X 2020095
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

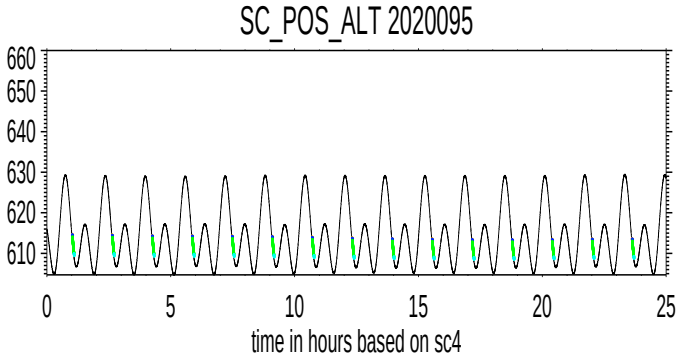

SUN_POS_Y 2020095
-0.890
-0.895
-0.900
-0.905
-0.910
-0.915
0
5
10
15
20
25
time in hours based on sc4

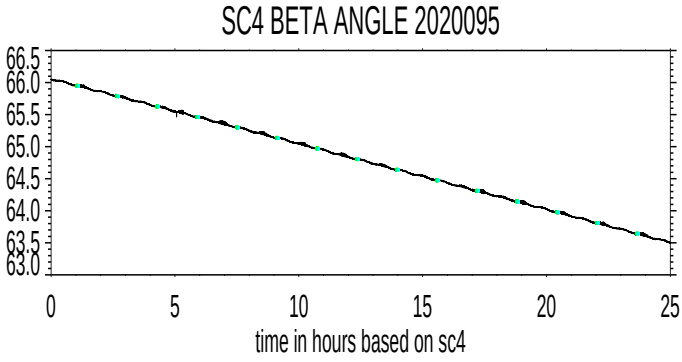

SUN_POS_Z 2020095
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020095
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020095
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020095
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020095
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020095
66.5
66.0
65.5
65.0
64.5
64.0
63.5
63.0
0
5
10
15
20
25
time in hours based on sc4