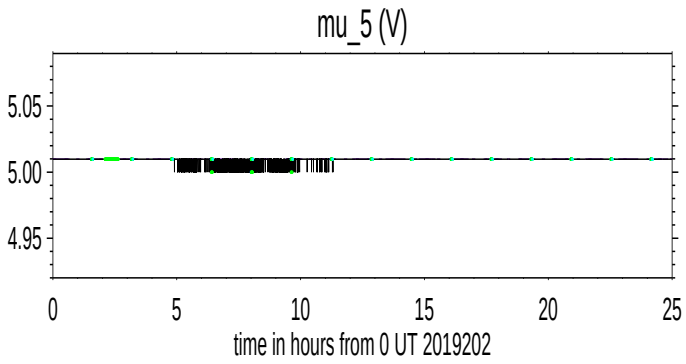
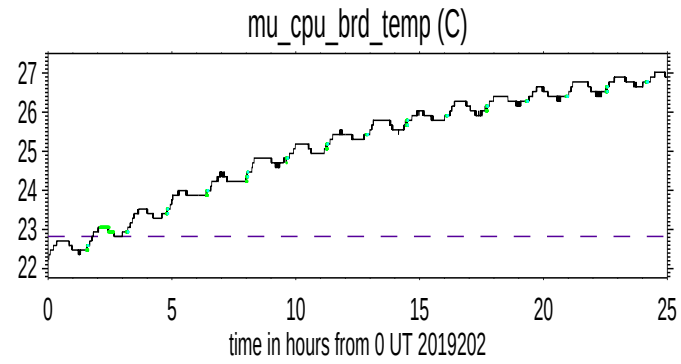
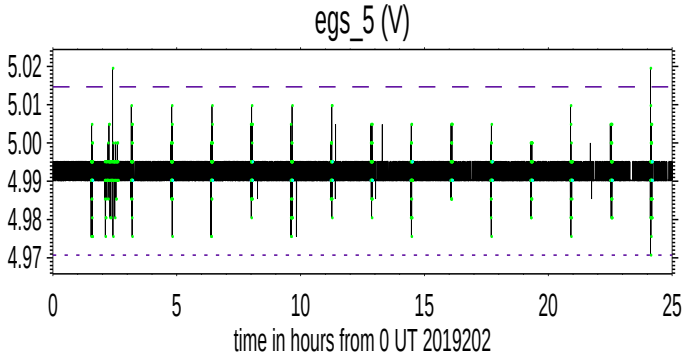
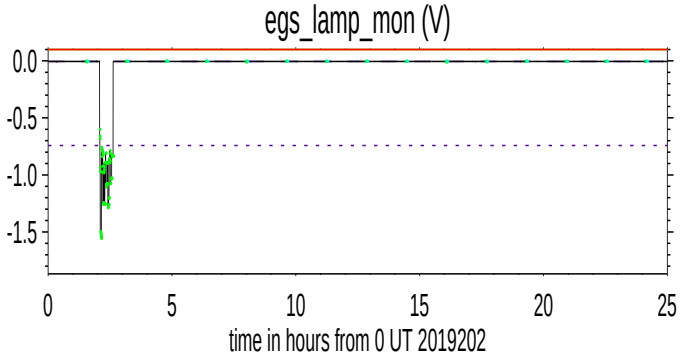
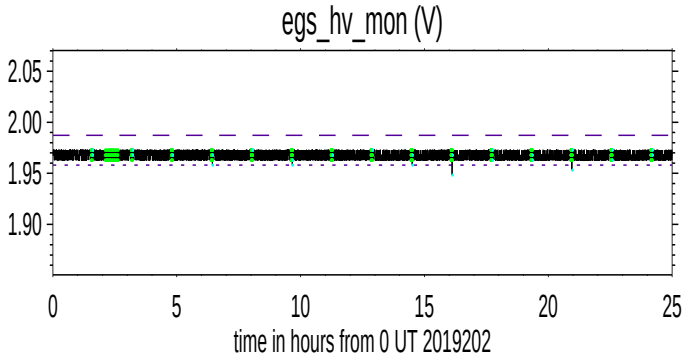
```
Information for      2019202
13:06:00.001: see_stat[1]: 11 internal error
20:04:12.002: see_stat[1]: 12 internal error
```

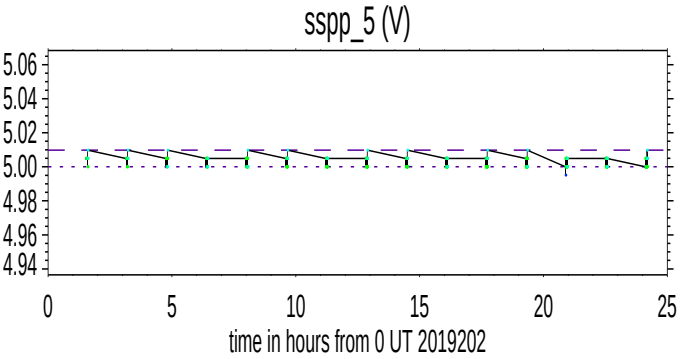

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2019202

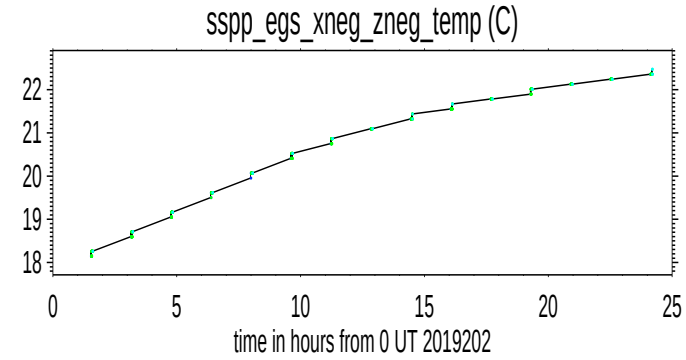

mu_cpu_brd_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2019202


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 2019202


egs_lamp_mon (V)
0.0
-0.5
-1.0
-1.5
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_hv_mon (V)
2.05
2.00
1.95
1.90
0
5
10
15
20
25
time in hours from 0 UT 2019202


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 2019202


sspp_egs_xneg_zneg_temp (C)
22
21
20
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18
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5
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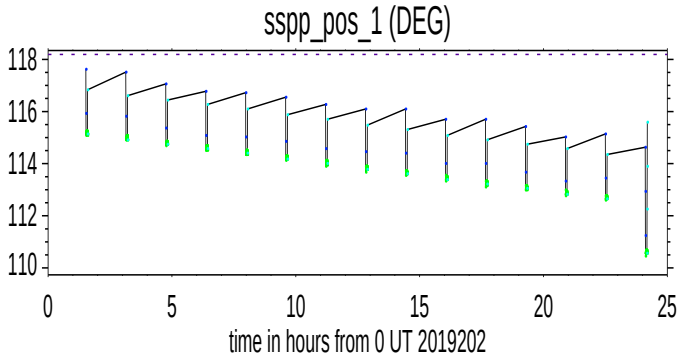
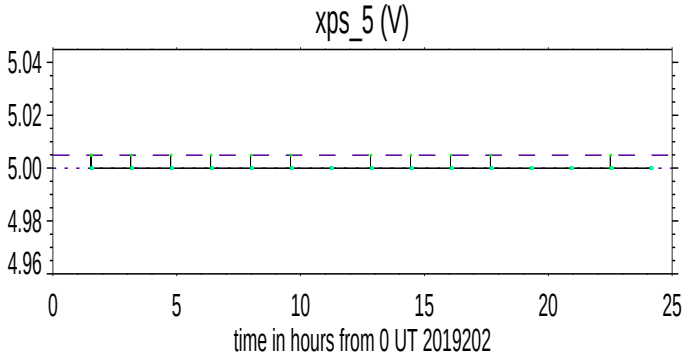
15
20
25
time in hours from 0 UT 2019202


sspp_pos_1 (DEG)
118
116
114
112
110
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_5 (V)
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5.02
5.00
4.98
4.96
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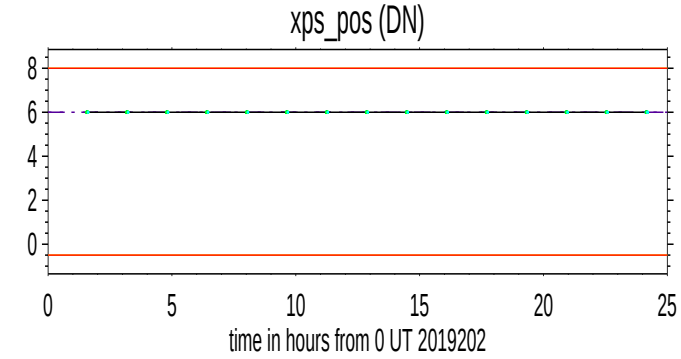
5
10
15
20
25
time in hours from 0 UT 2019202


xps_pos (DN)
8
6
4
2
0
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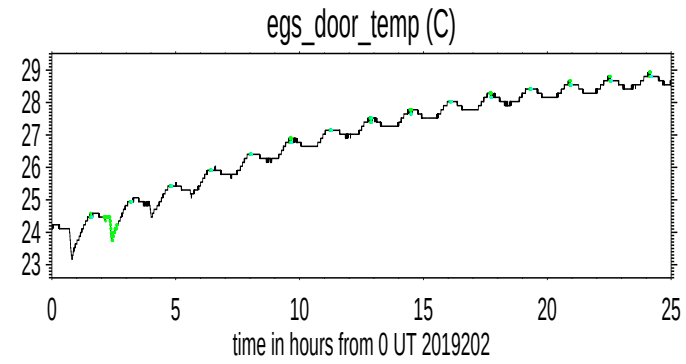
time in hours from 0 UT 2019202


egs_door_temp (C)
29
28
27
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25
24
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10
15
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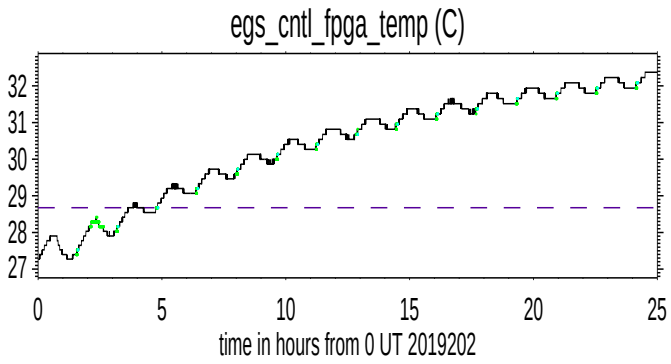
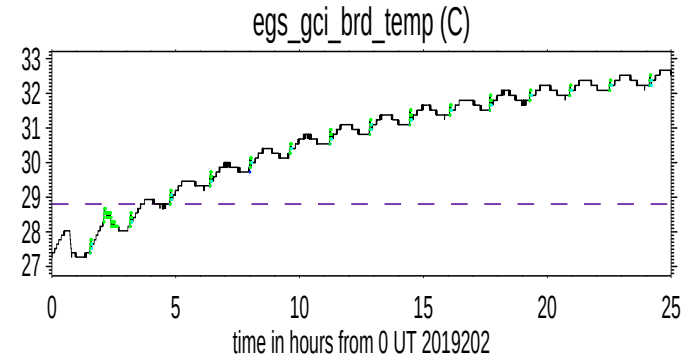
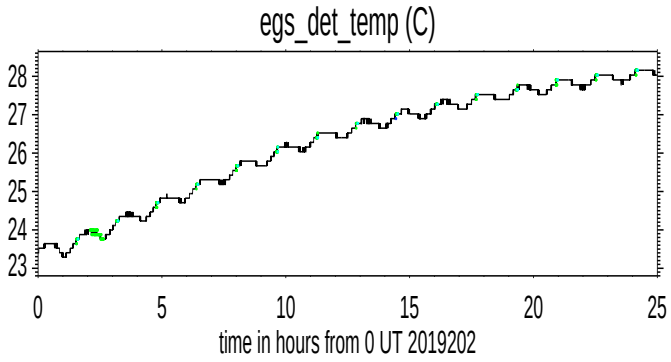
25
time in hours from 0 UT 2019202


egs_cntl_fpga_temp (C)
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_gci_brd_temp (C)
33
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2019202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27
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25
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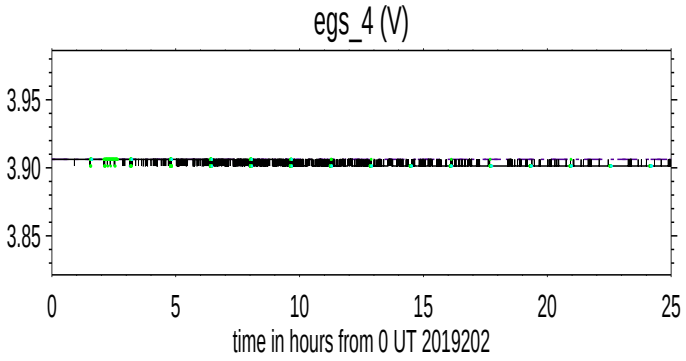
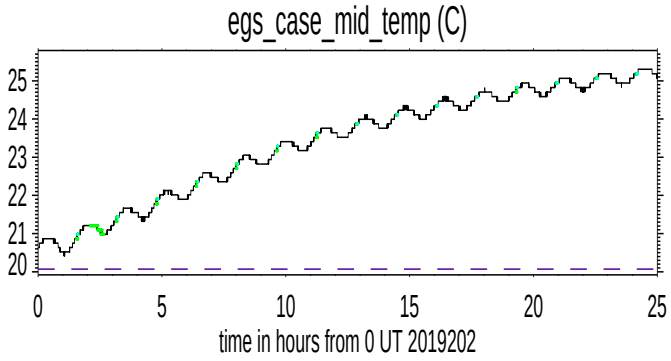
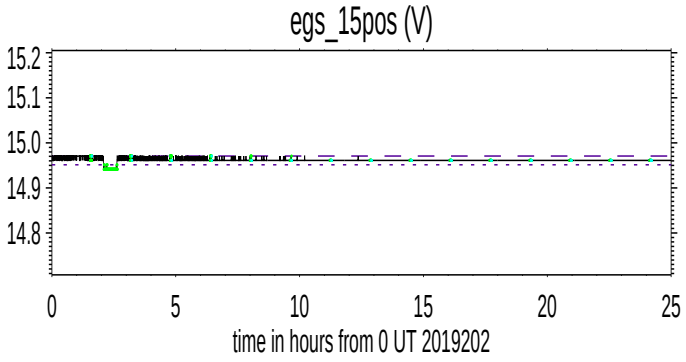
5
10
15
20
25
time in hours from 0 UT 2019202


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_case_mid_temp (C)
25
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_15pos (V)
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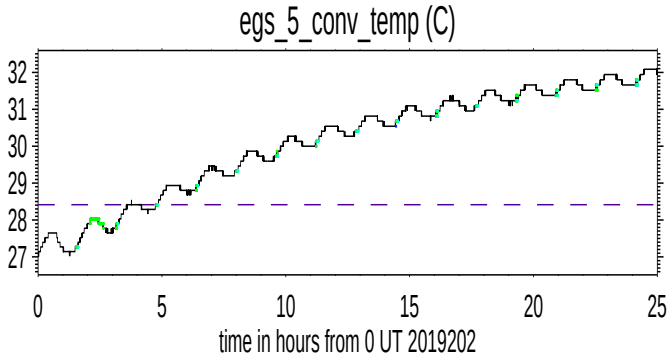
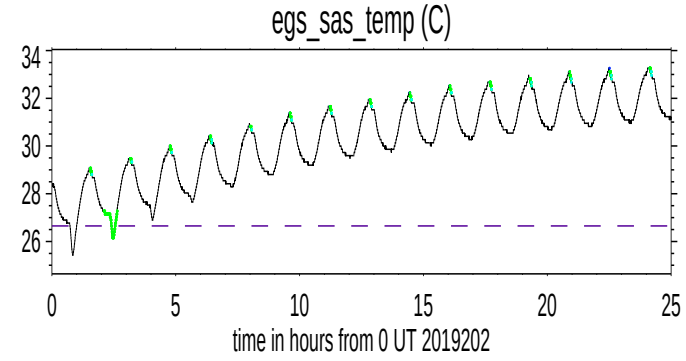
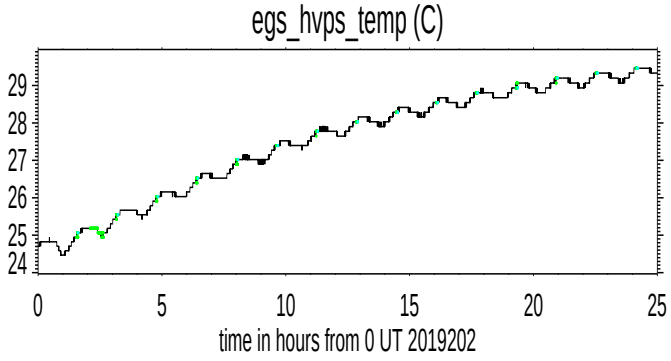
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_5_conv_temp (C)
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_sas_temp (C)
34
32
30
28
26
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_hvps_temp (C)
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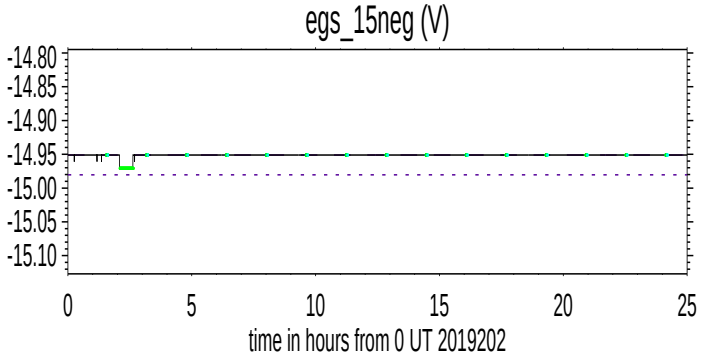
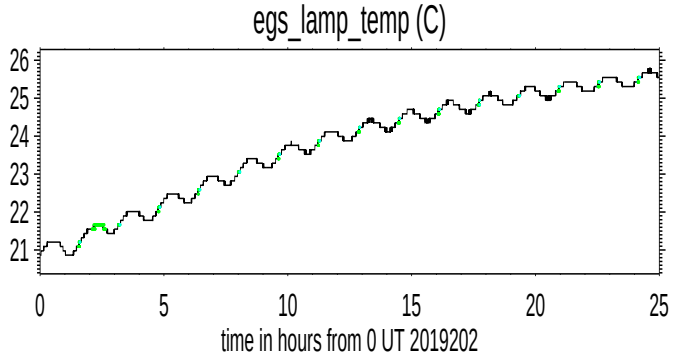
28
27
26
25
24
0
5
10
15
20
25
time in hours from 0 UT 2019202


egs_15neg (V)
-14.80
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0 5 10 15 20 25
time in hours from 0 UT 2019202


egs_lamp_temp (C)
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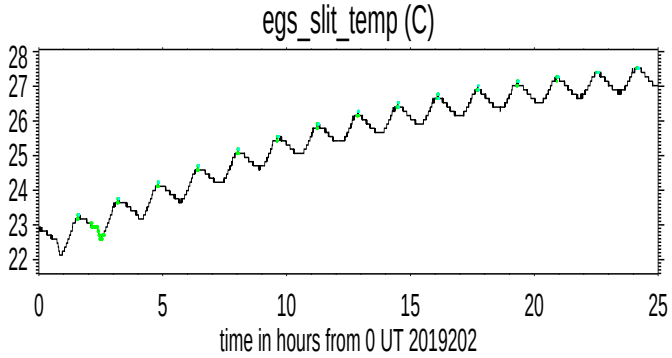
25
24
23
22
21
0 5 10 15 20 25
time in hours from 0 UT 2019202


egs_slit_temp (C)
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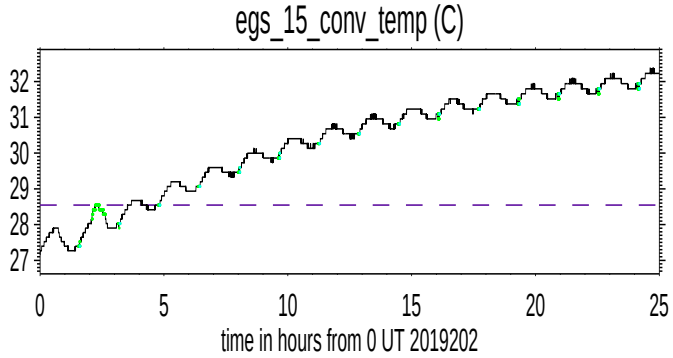
27
26
25
24
23
22
0 5 10 15 20 25
time in hours from 0 UT 2019202


egs_15_conv_temp (C)
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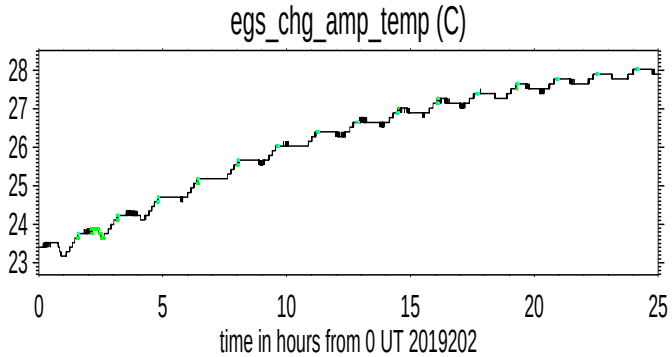
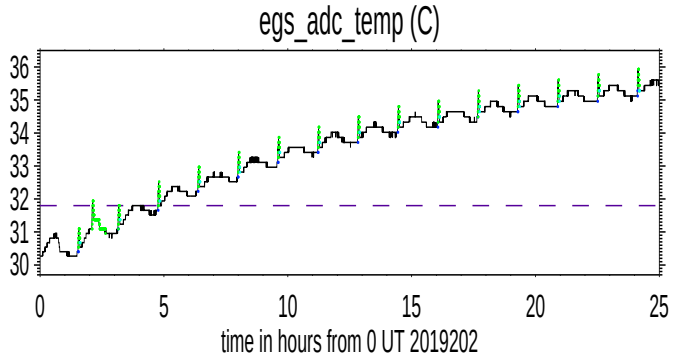
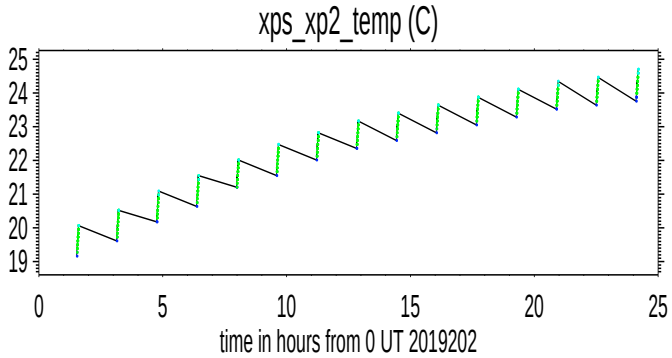
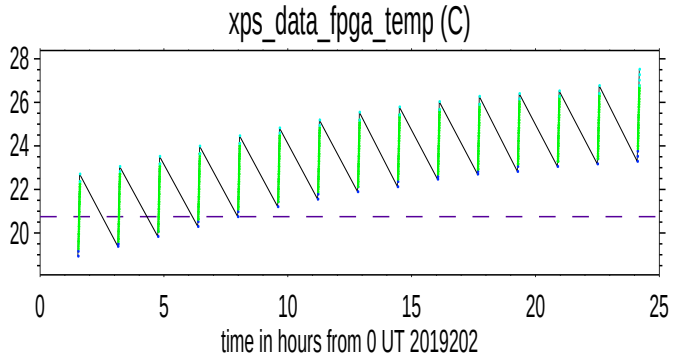
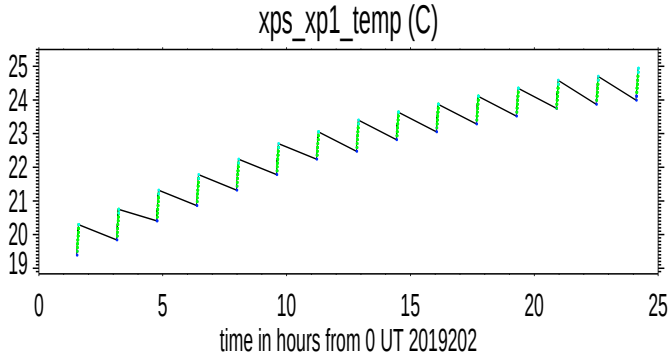
31
30
29
28
27
0 5 10 15 20 25
time in hours from 0 UT 2019202


egs_chg_amp_temp (C)
28
27
26
25
24
23
0 5 10 15 20 25
time in hours from 0 UT 2019202


egs_adc_temp (C)
36
35
34
33
32
31
30
0 5 10 15 20 25
time in hours from 0 UT 2019202


xps_xp2_temp (C)
25
24
23
22
21
20
19
0 5 10 15 20 25
time in hours from 0 UT 2019202


xps_data_fpga_temp (C)
28
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2019202


xps_xp1_temp (C)
25
24
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22
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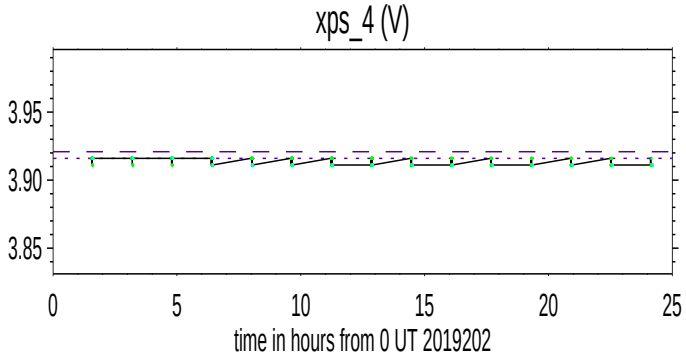
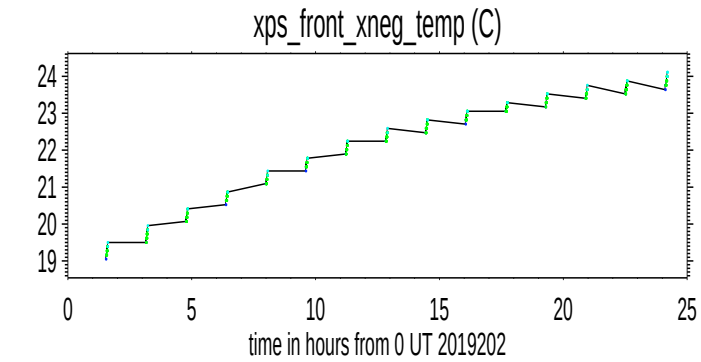
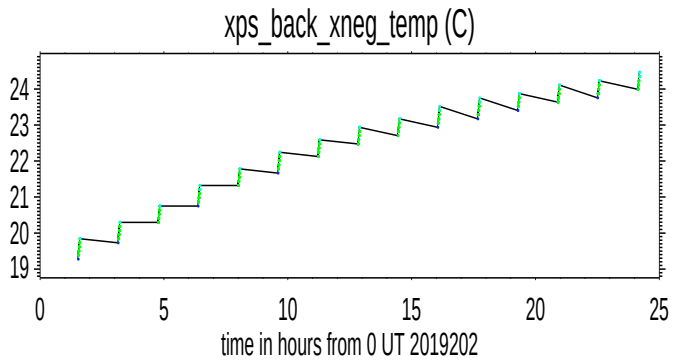
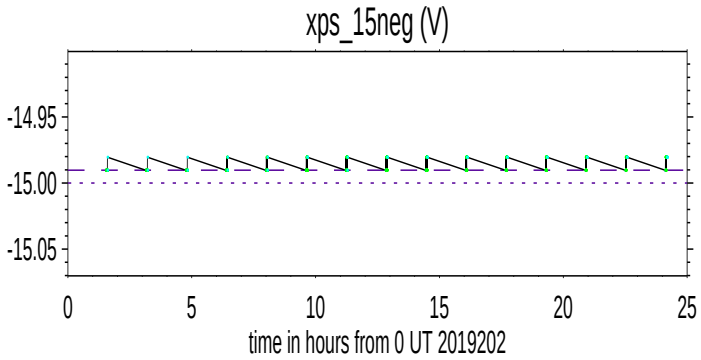
20
19
0 5 10 15 20 25
time in hours from 0 UT 2019202


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2019202


xps_front_xneg_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_back_xneg_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_15neg (V)
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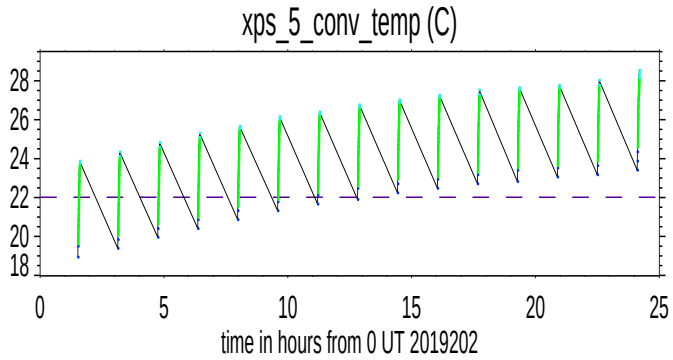
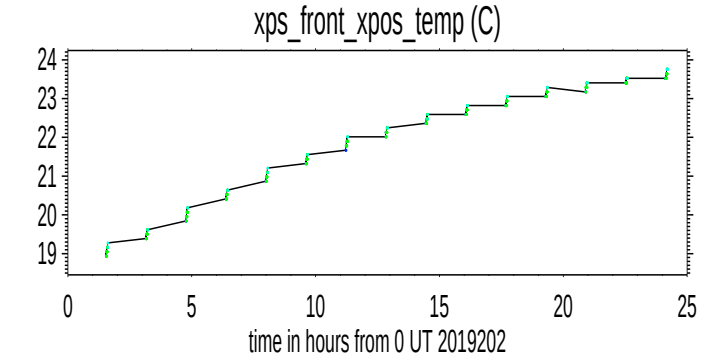
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_5_conv_temp (C)
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_front_xpos_temp (C)
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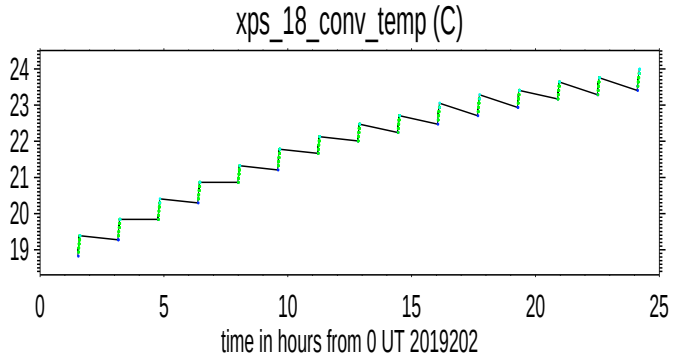
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202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24
23
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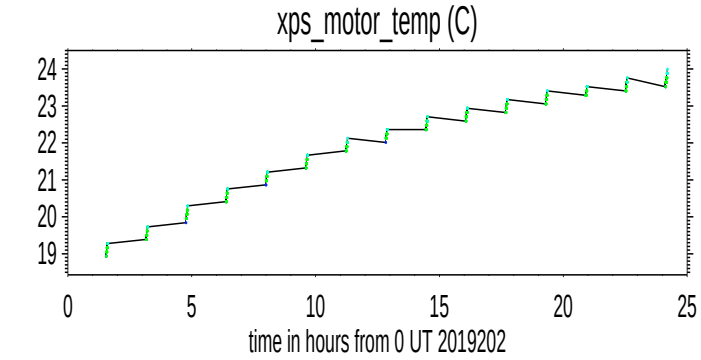
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_motor_temp (C)
24
23
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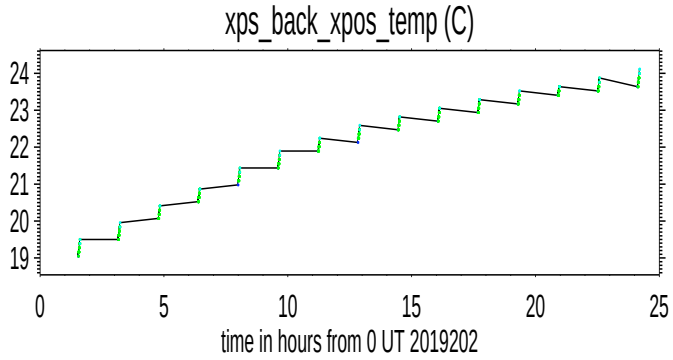
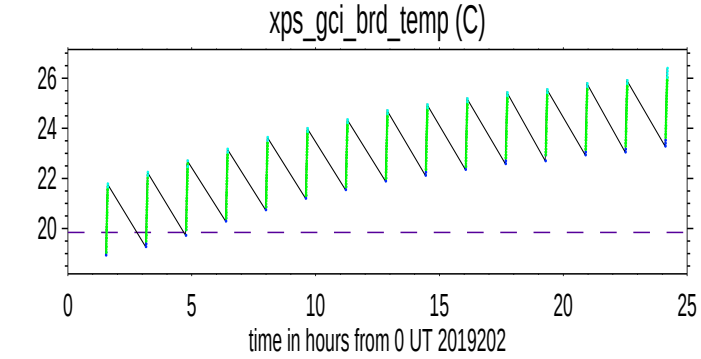
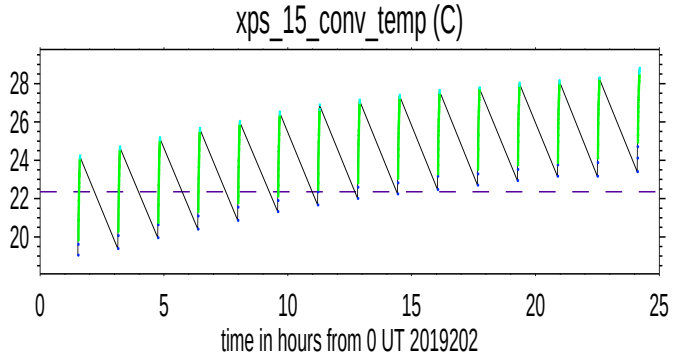
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_back_xpos_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_gci_brd_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202


xps_15_conv_temp (C)
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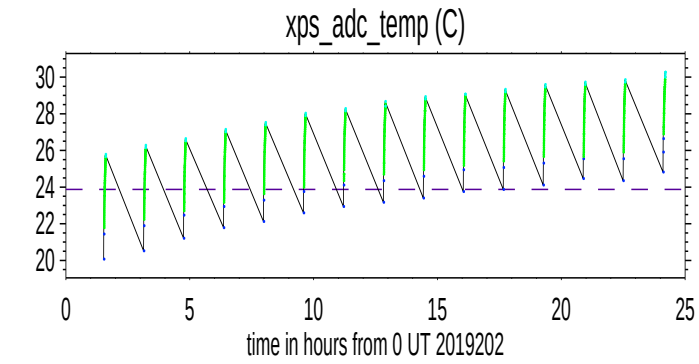
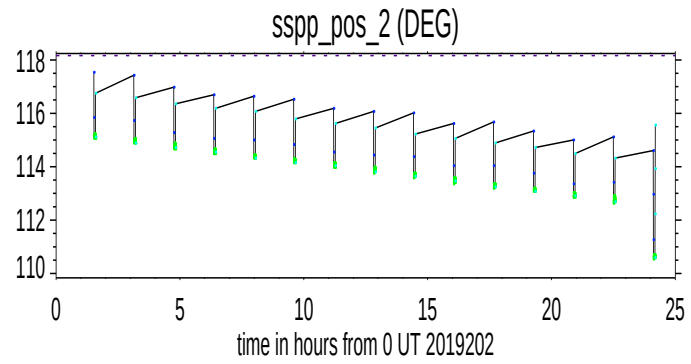
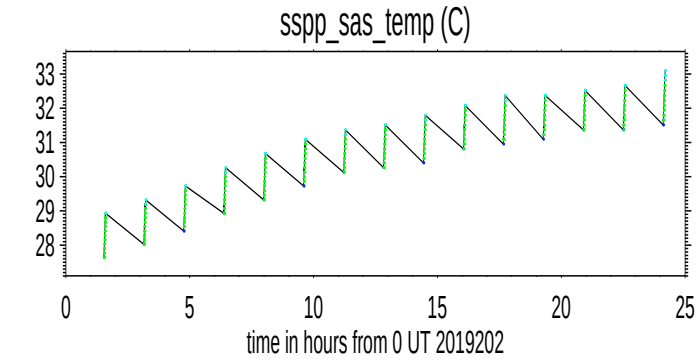
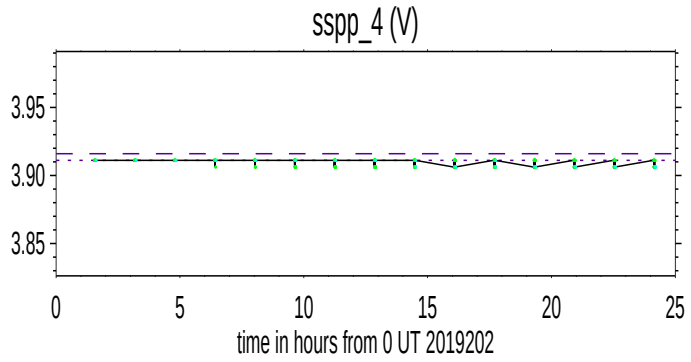
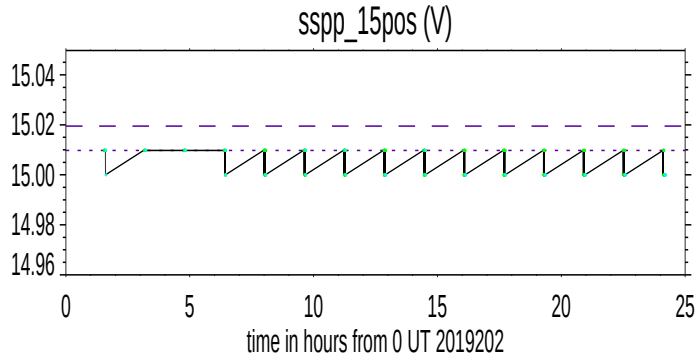
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

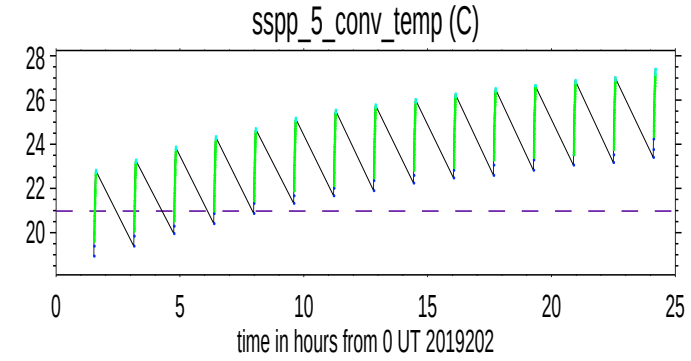

xps_adc_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

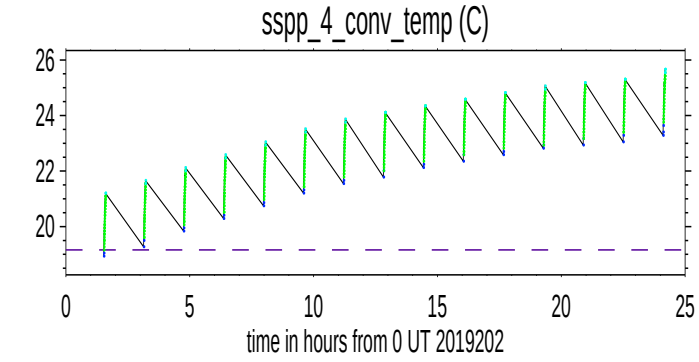

sspp_pos_2 (DEG)
118
116
114
112
110
0
5
10
15
20
25
time in hours from 0 UT 2019202

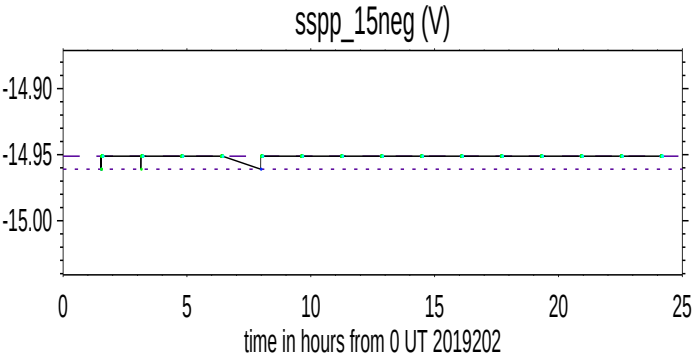

sspp_sas_temp (C)
33
32
31
30
29
28
0
5
10
15
20
25
time in hours from 0 UT 2019202

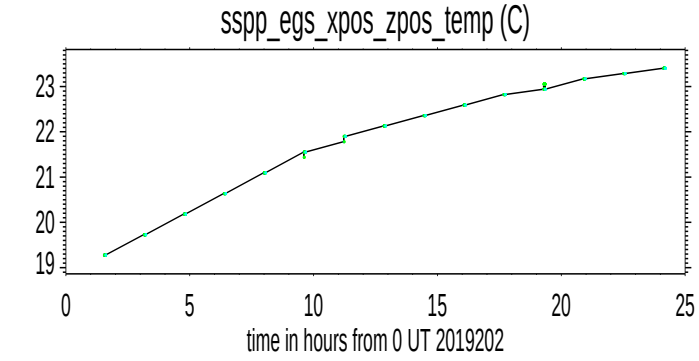

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019202

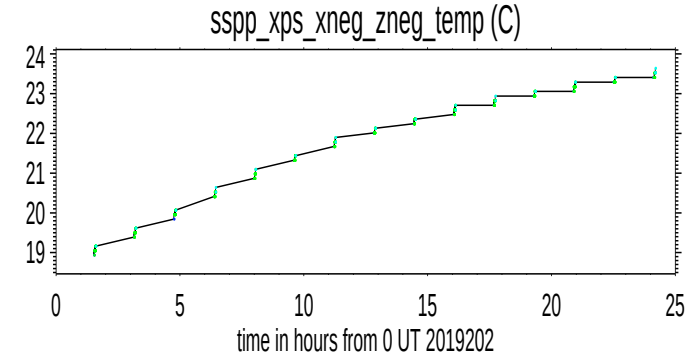

sspp_15pos (V)
15.04
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2019202

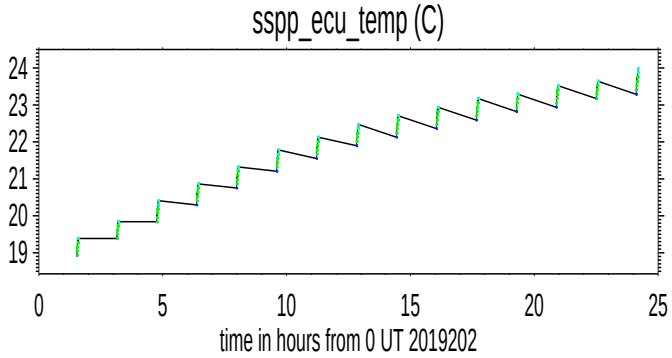

sspp_5_conv_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

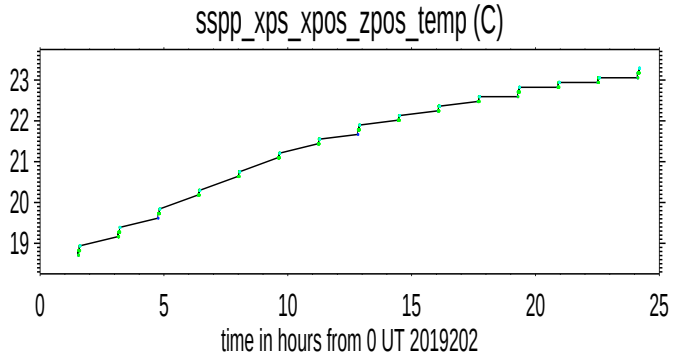

sspp_4_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

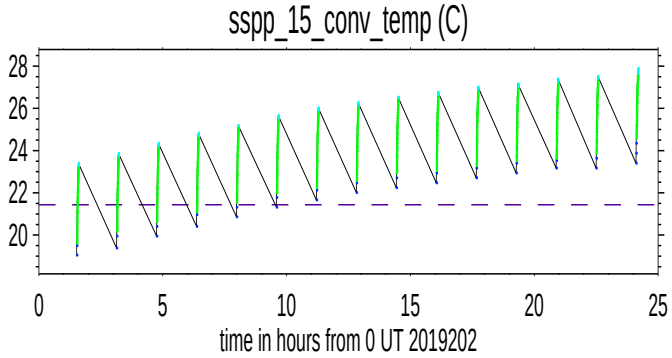

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2019202

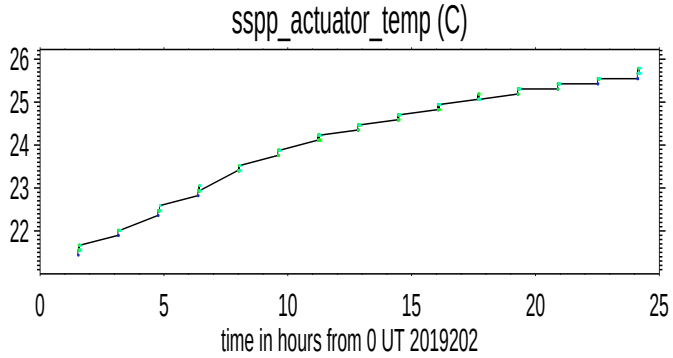

sspp_egs_xpos_zpos_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202

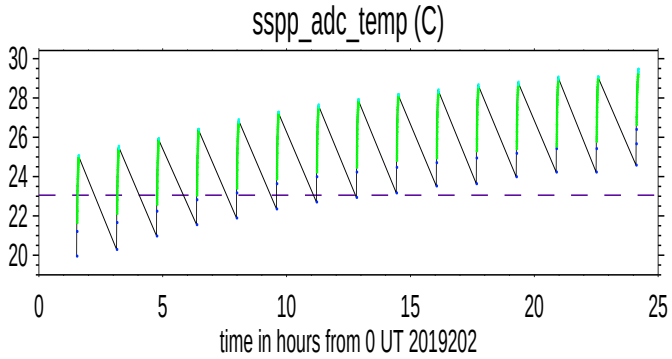

sspp_xps_xneg_zneg_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202

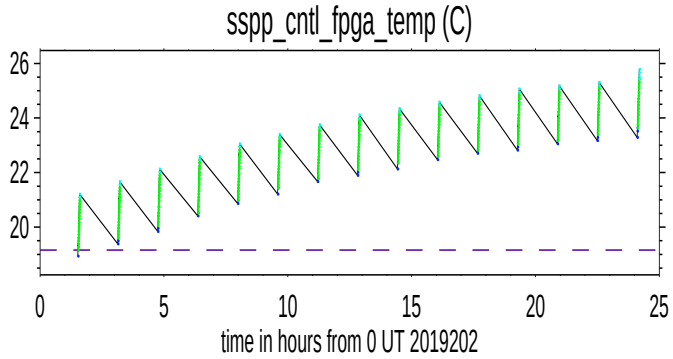

sspp_ecu_temp (C)
24
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202

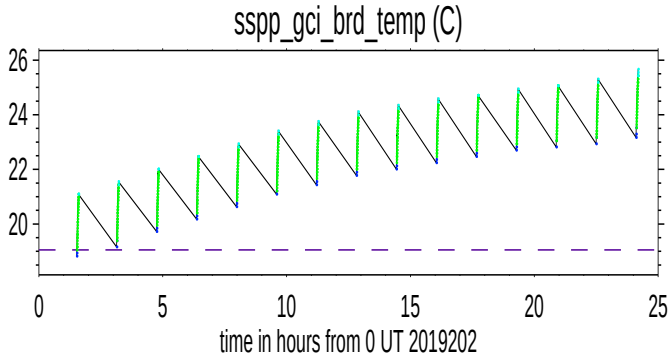

sspp_xps_xpos_zpos_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202

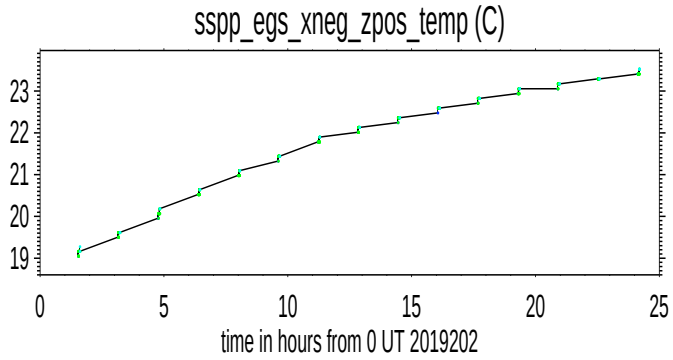

sspp_15_conv_temp (C)
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

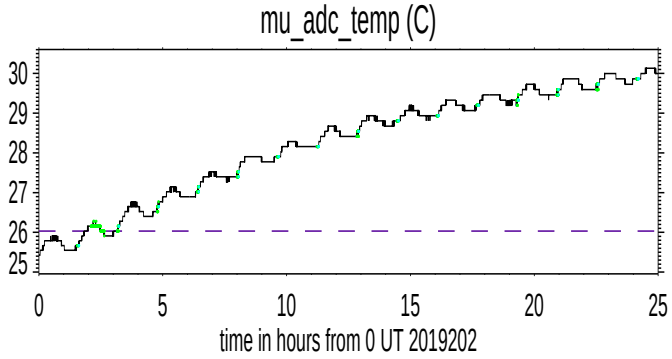

sspp_actuator_temp (C)
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2019202

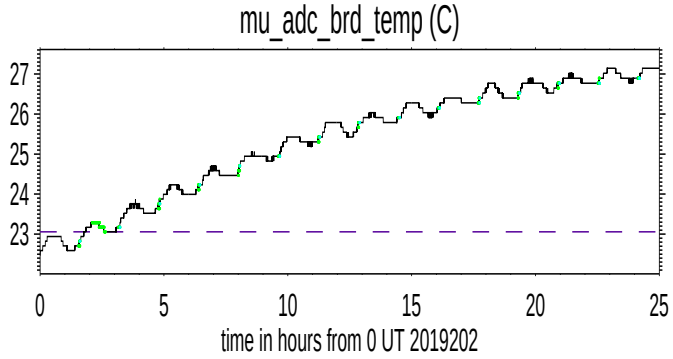

sspp_adc_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

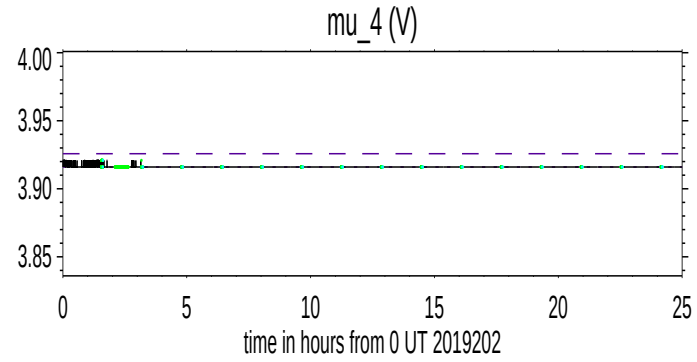

sspp_cntl_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

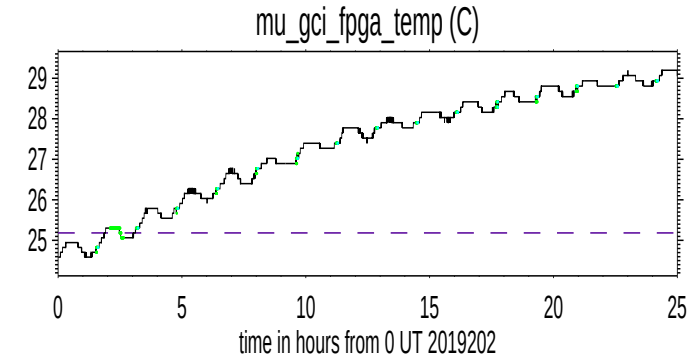

sspp_gci_brd_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2019202

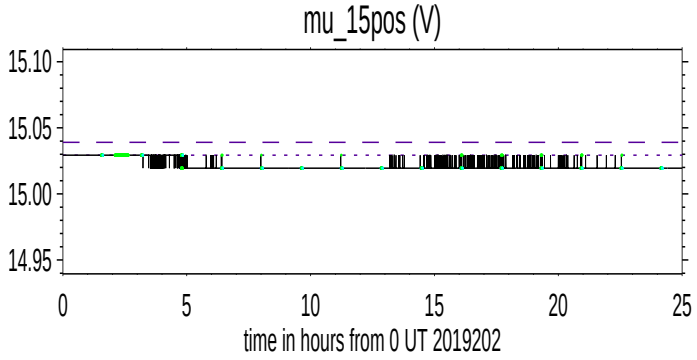

sspp_egs_xneg_zpos_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2019202

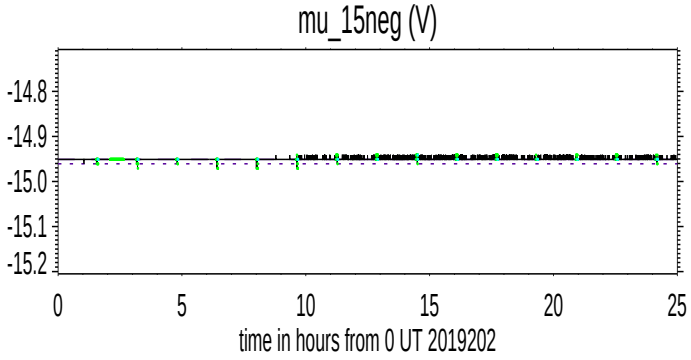

mu_adc_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2019202

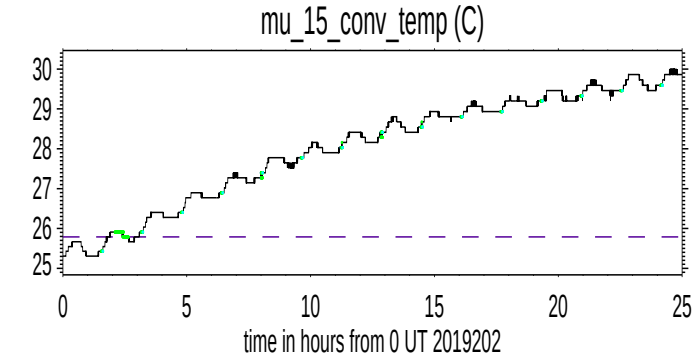

mu_adc_brd_temp (C)
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019202

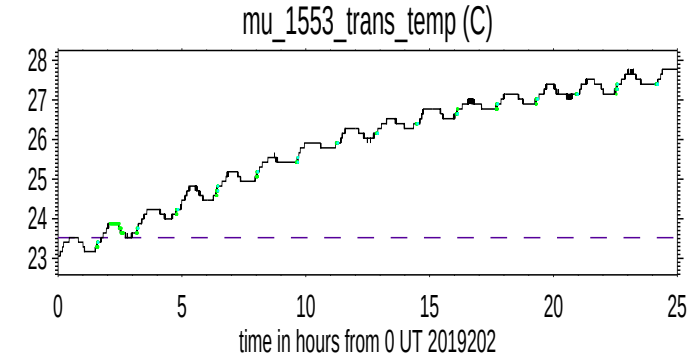

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2019202

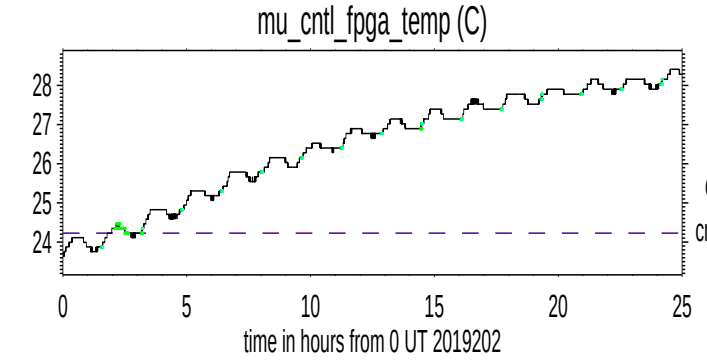

mu_gci_fpga_temp (C)
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2019202

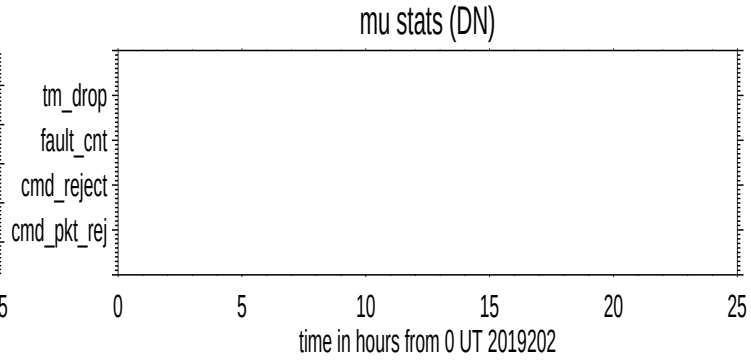

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2019202

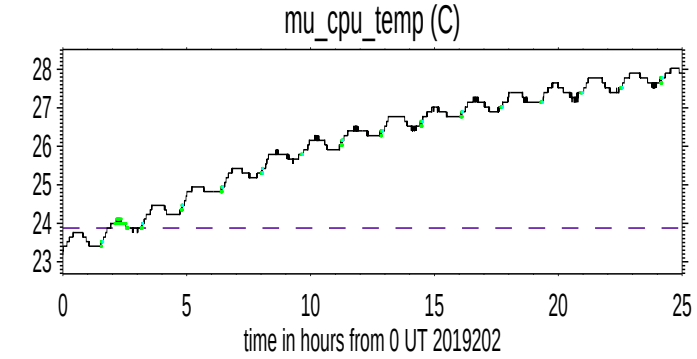

mu_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0
5
10
15
20
25
time in hours from 0 UT 2019202

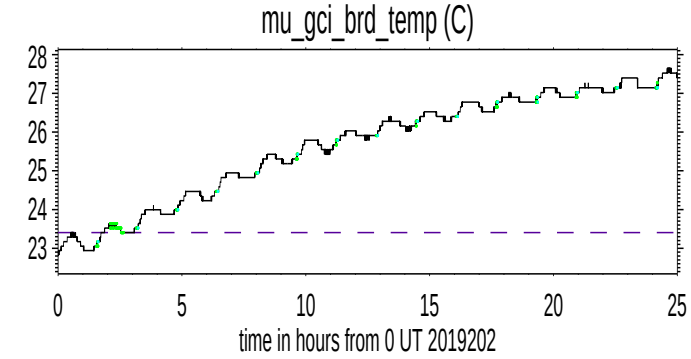

mu_15_conv_temp (C)
30
29
28
27
26
25
0
5
10
15
20
25
time in hours from 0 UT 2019202

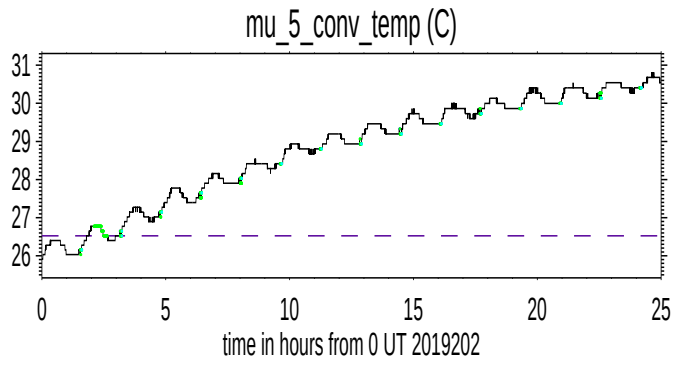

mu_1553_trans_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019202

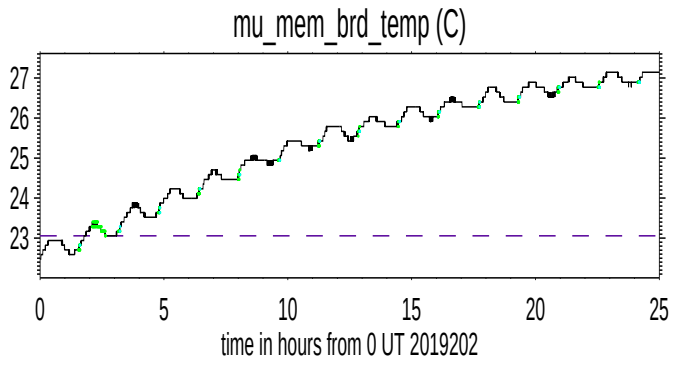

mu_cntl_fpga_temp (C)
28
27
26
25
24
0
5
10
15
20
25
time in hours from 0 UT 2019202

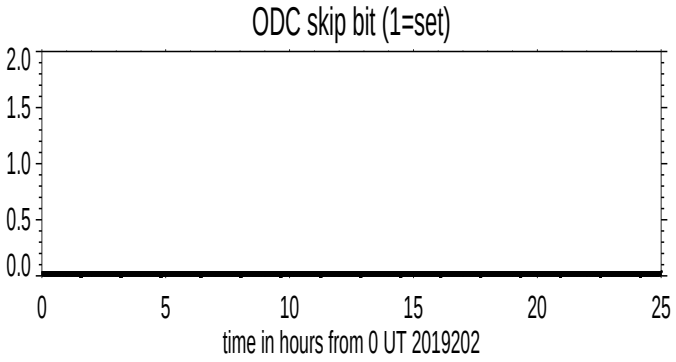

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2019202

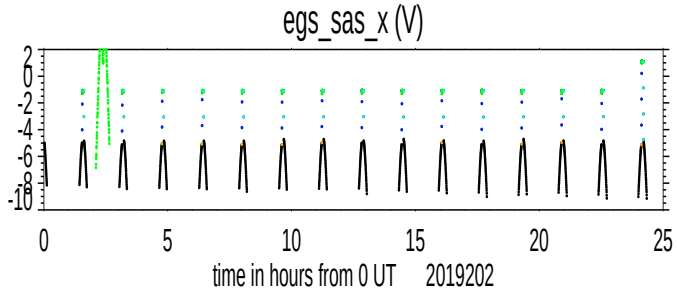

mu_cpu_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019202

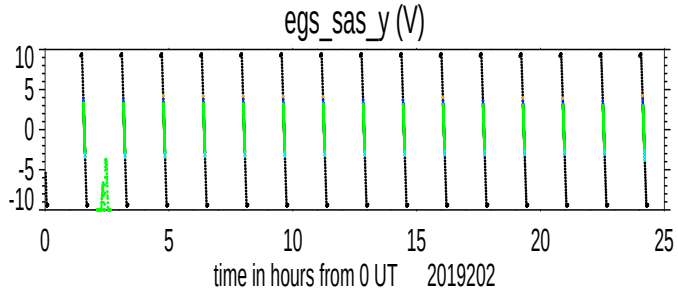

mu_gci_brd_temp (C)
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019202

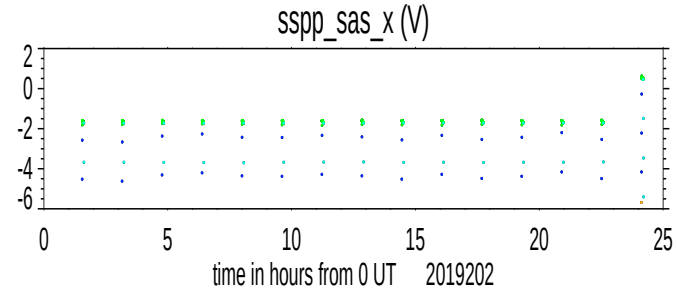

mu_5_conv_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2019202

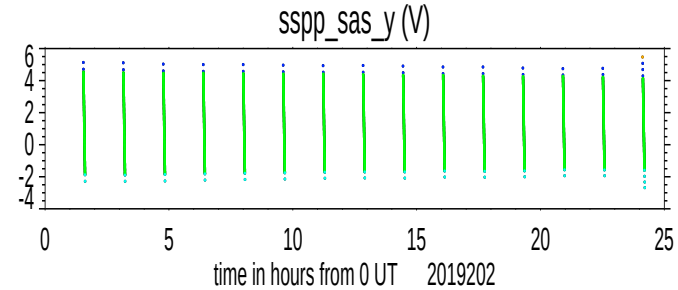

mu_mem_brd_temp (C)
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2019202

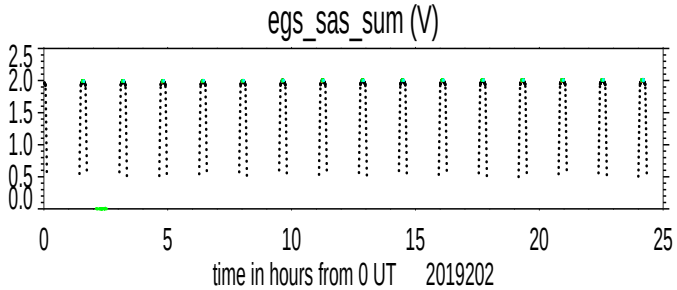

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2019202

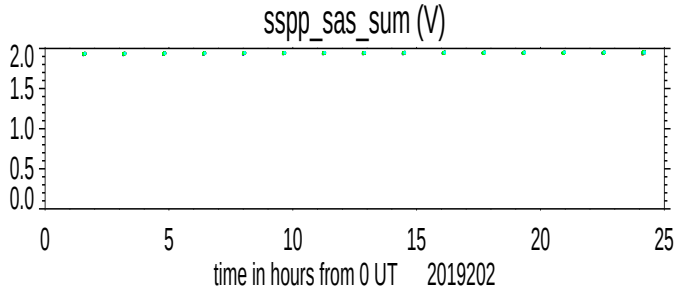

egs_sas_x (V)
time in hours from 0 UT 2019202

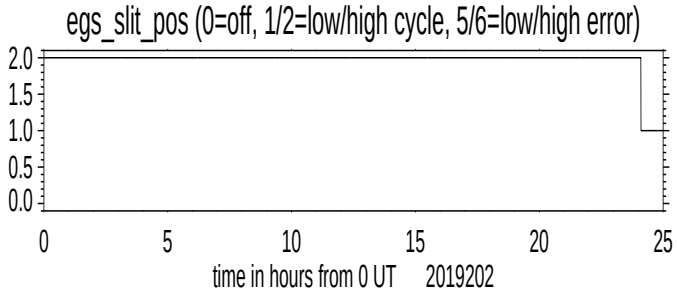

egs_sas_y (V)
time in hours from 0 UT 2019202

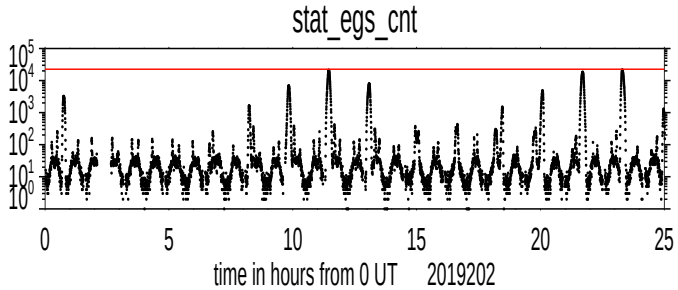

sspp_sas_x (V)
time in hours from 0 UT 2019202

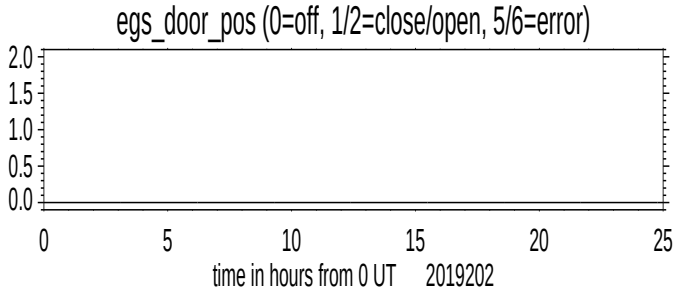

sspp_sas_y (V)
time in hours from 0 UT 2019202

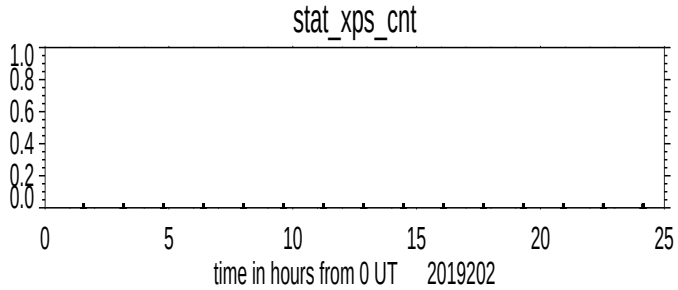

egs_sas_sum (V)
time in hours from 0 UT 2019202

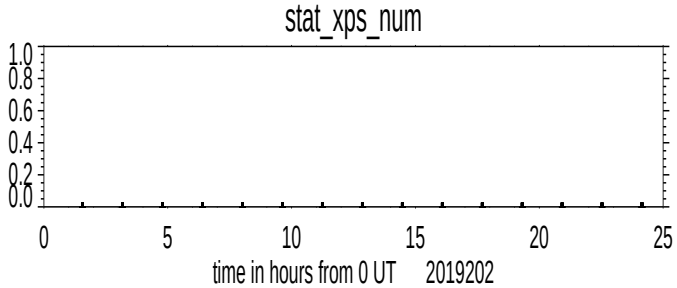

sspp_sas_sum (V)
time in hours from 0 UT 2019202

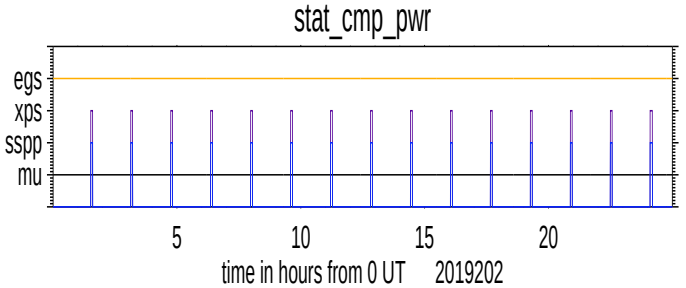

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2019202


stat_egs_cnt
time in hours from 0 UT 2019202

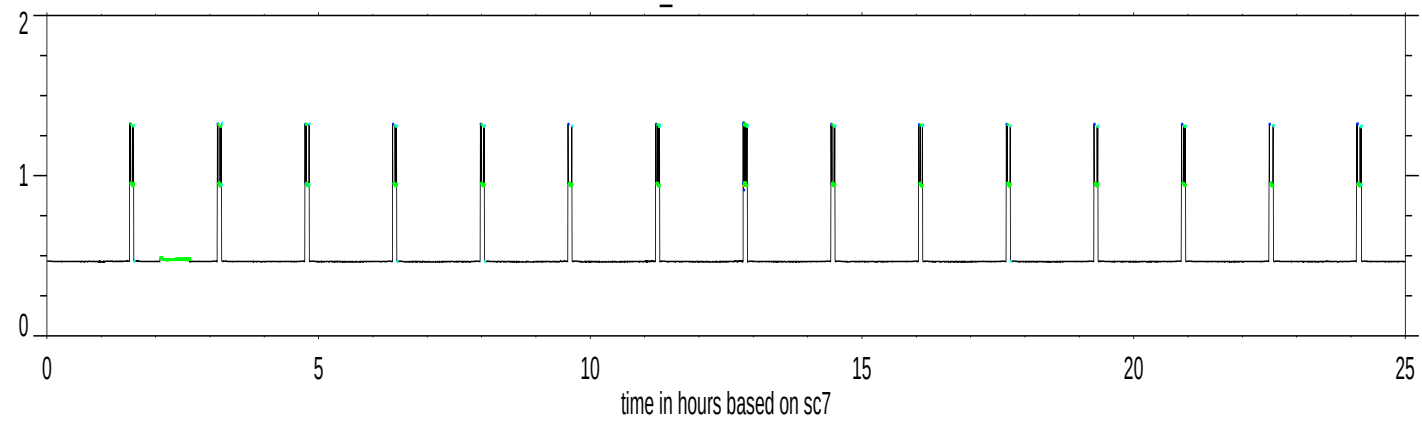

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2019202


stat_xps_cnt
time in hours from 0 UT 2019202

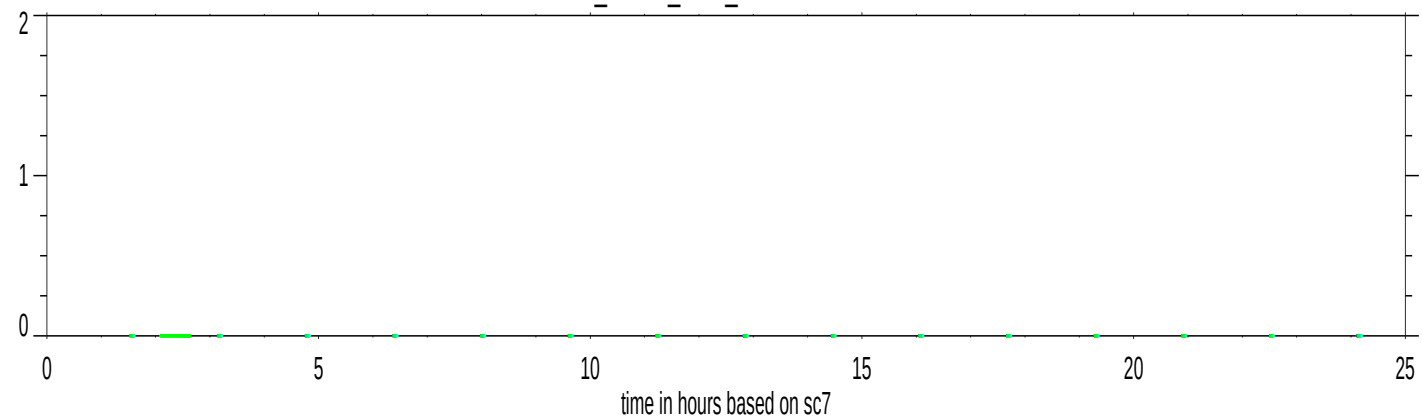

stat_xps_num
time in hours from 0 UT 2019202


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2019202

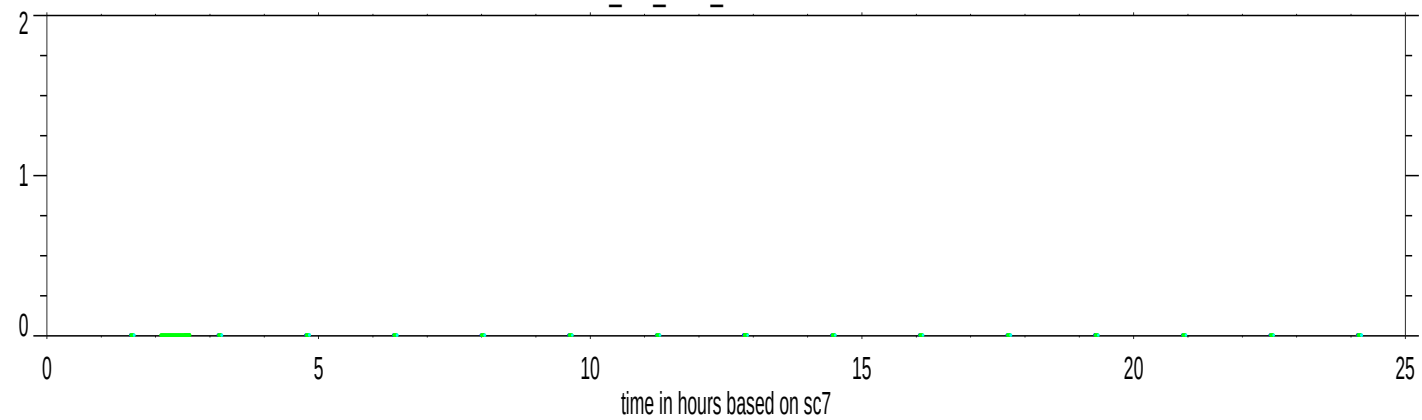
SEE_CUR 2019202



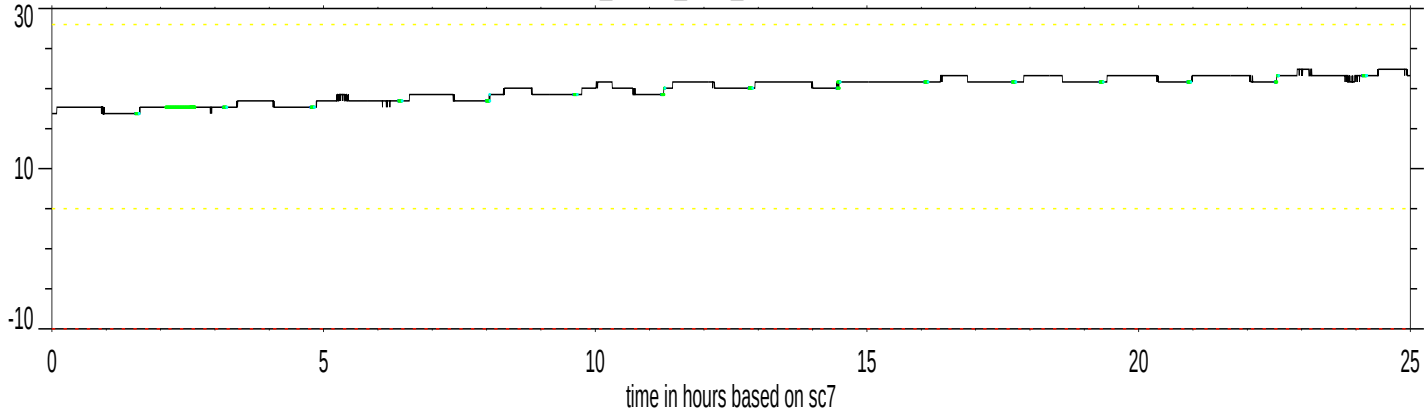
SEE_SURV_HTR_CUR 2019202



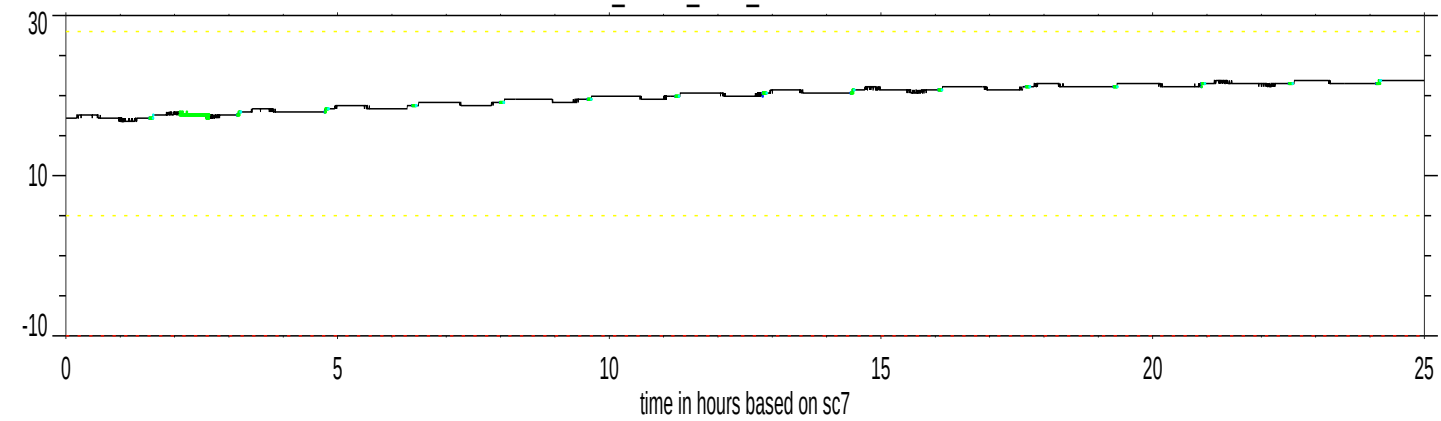
SEE_OP_HTR_CUR 2019202



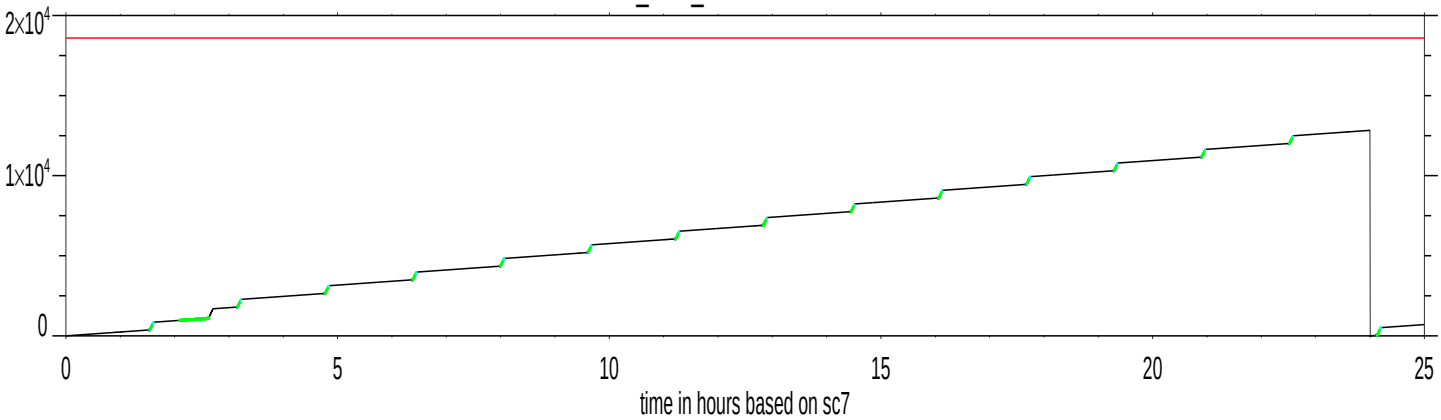
SSPP_BHND_XPS_TEMP 2019202



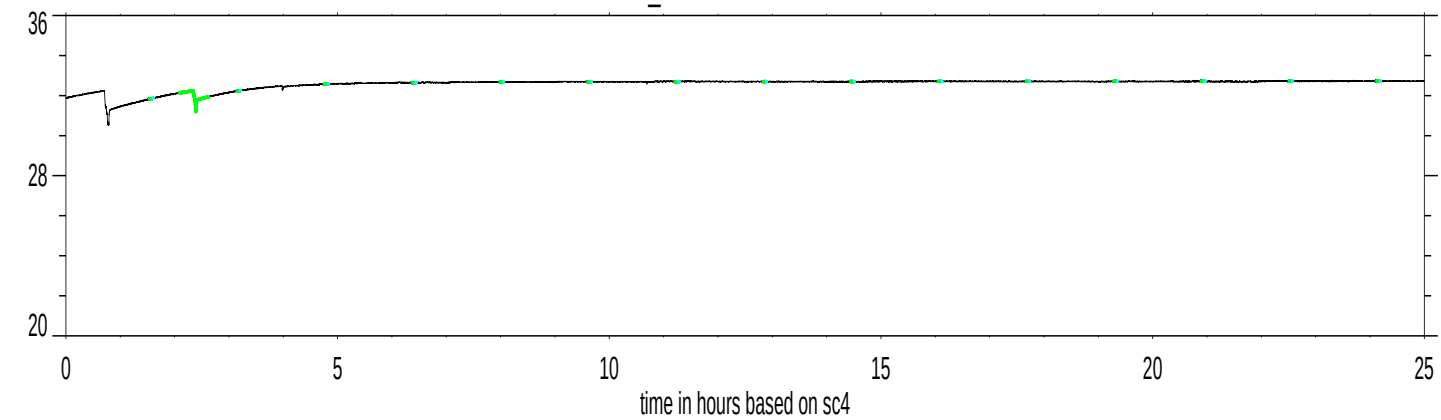
SSPP_BHND_MTR_TEMP 2019202



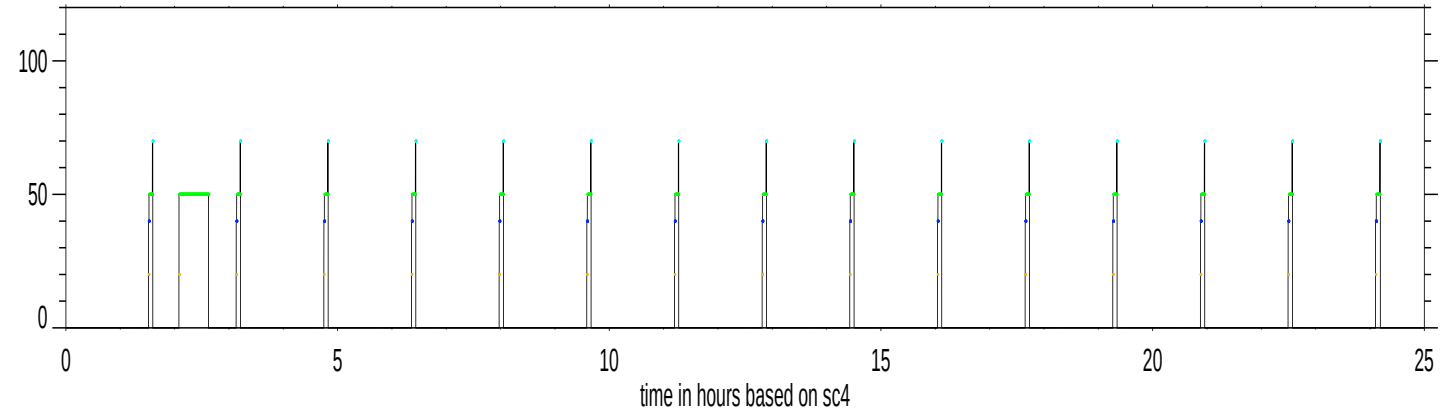
SEE_PKT_COUNT 2019202

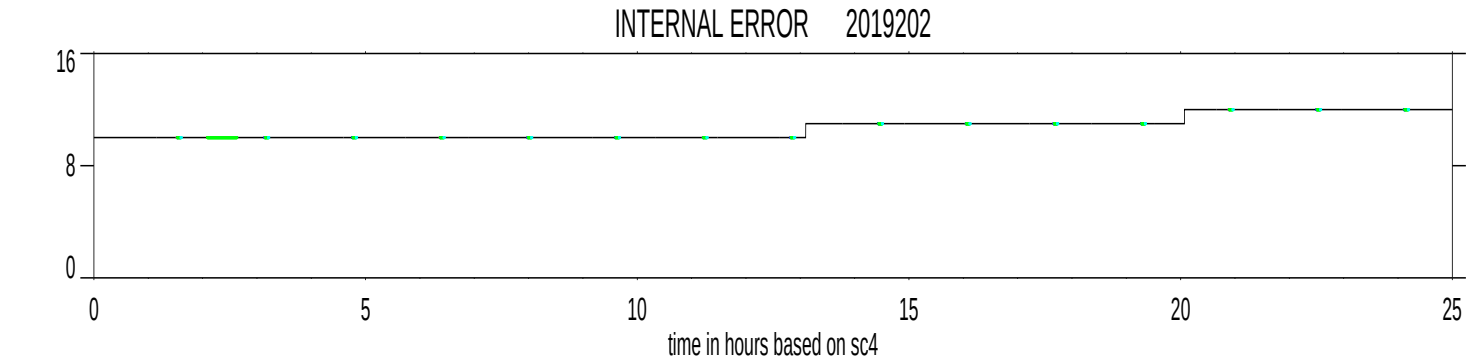


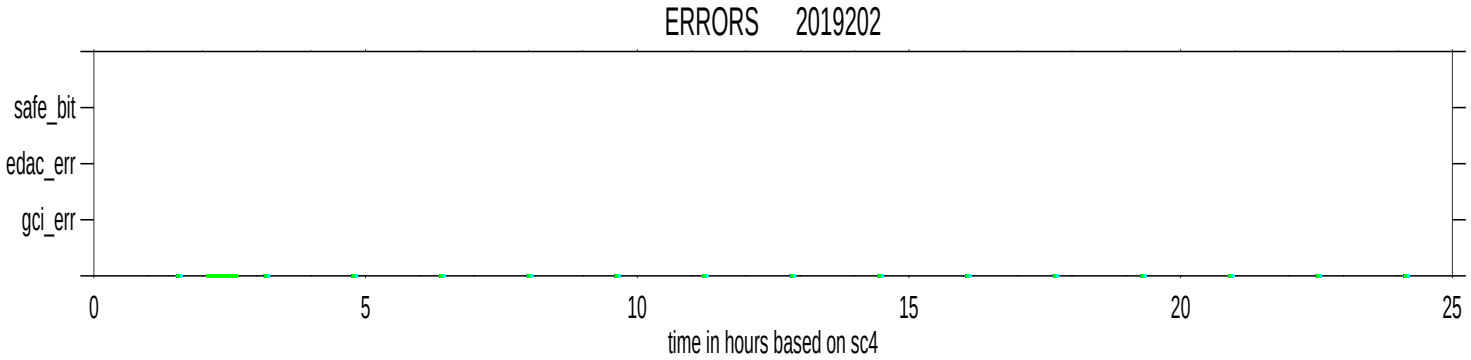
BUS_VOLTAGE 2019202

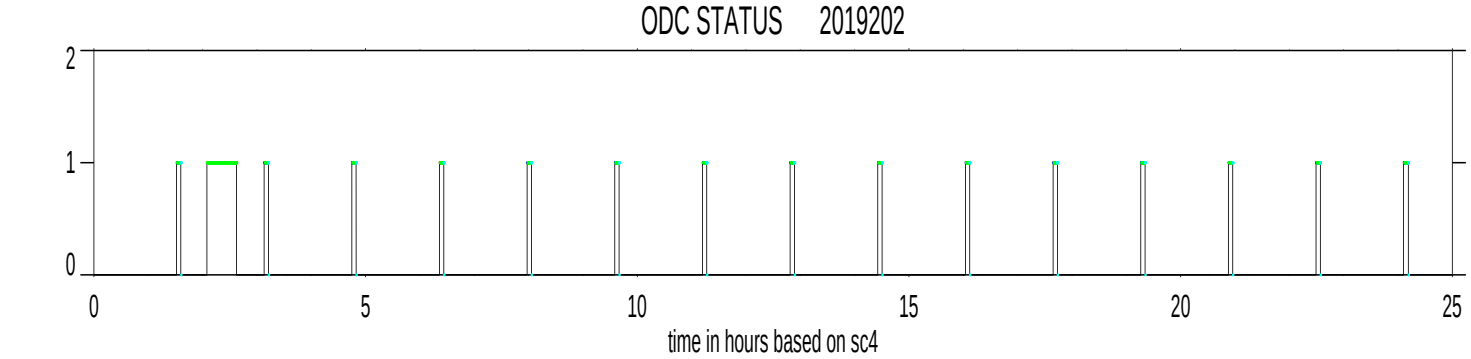


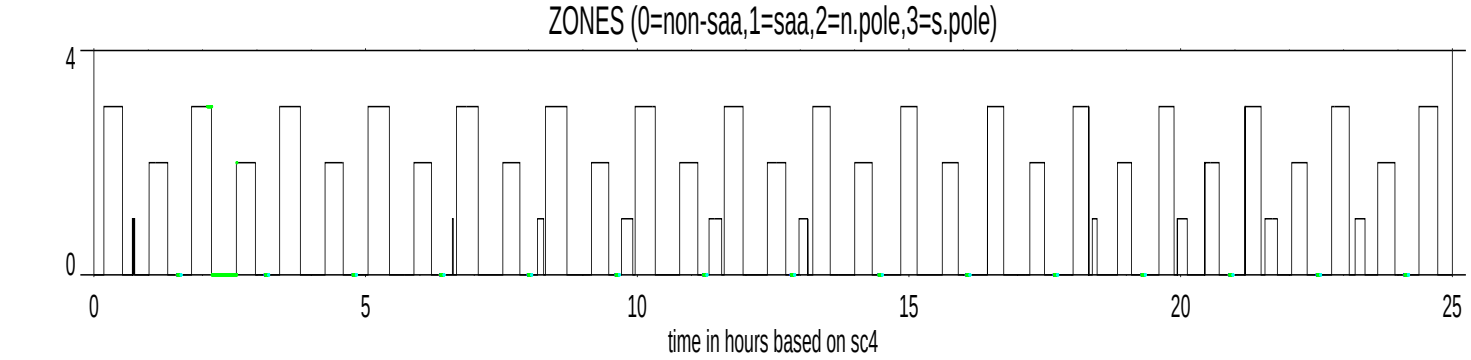
SEE_MU Operational Mode 2019202

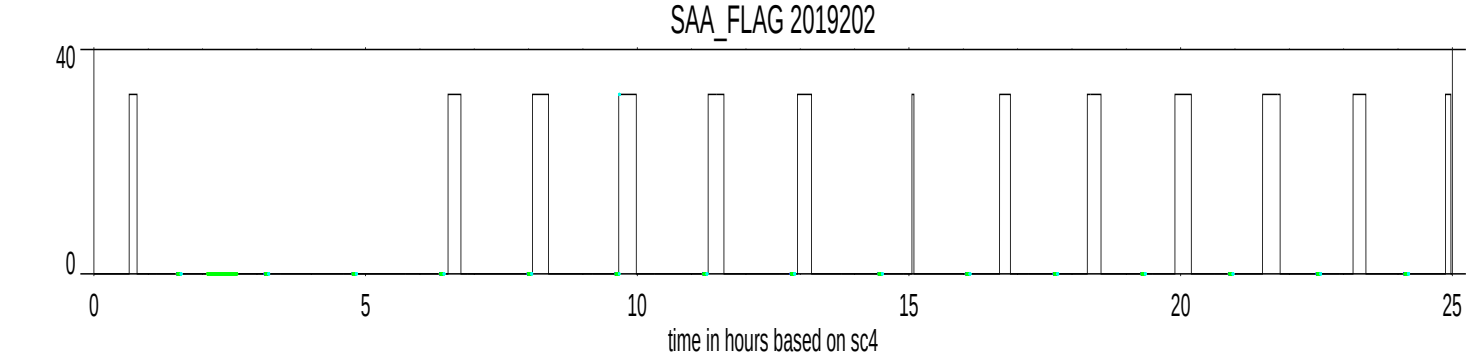


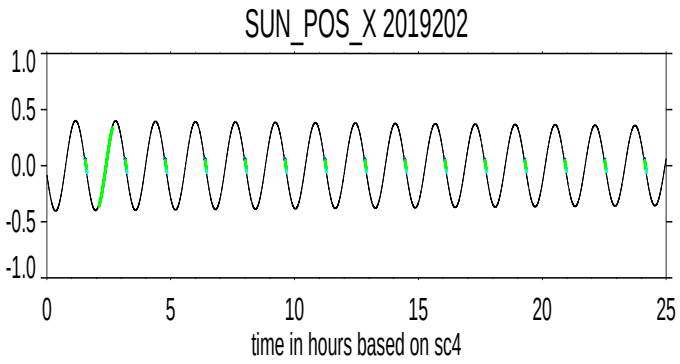

INTERNAL ERROR 2019202
16
8
0
0
5
10
15
20
25
time in hours based on sc4

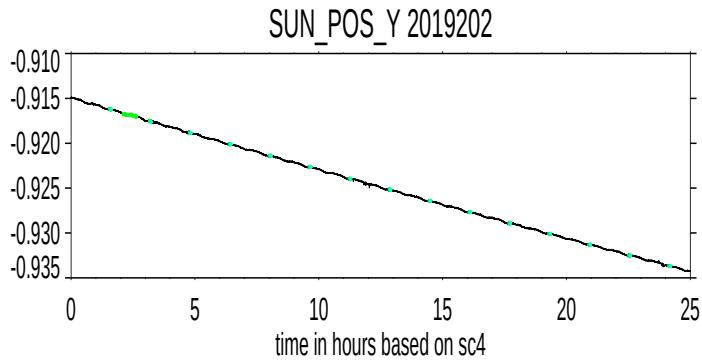

ERRORS 2019202
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

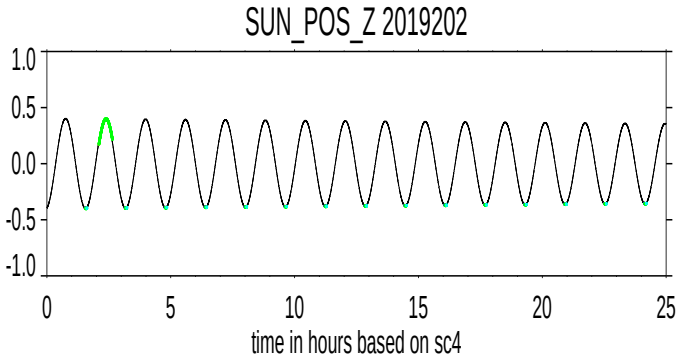

ODC STATUS 2019202
2
1
0
0
5
10
15
20
25
time in hours based on sc4

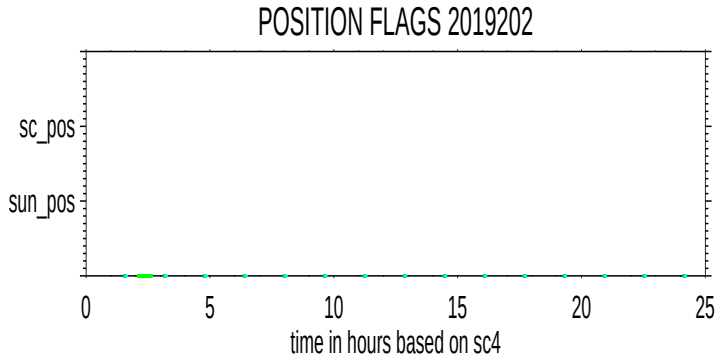

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

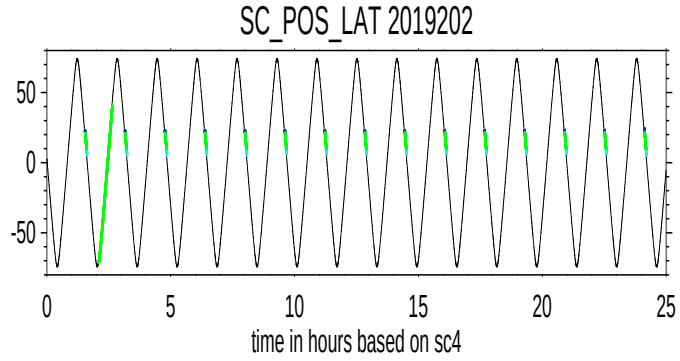

SAA_FLAG 2019202
40
0
0
5
10
15
20
25
time in hours based on sc4

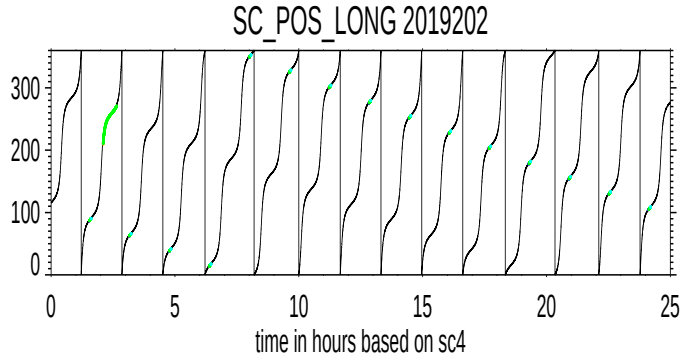

SUN_POS_X 2019202
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

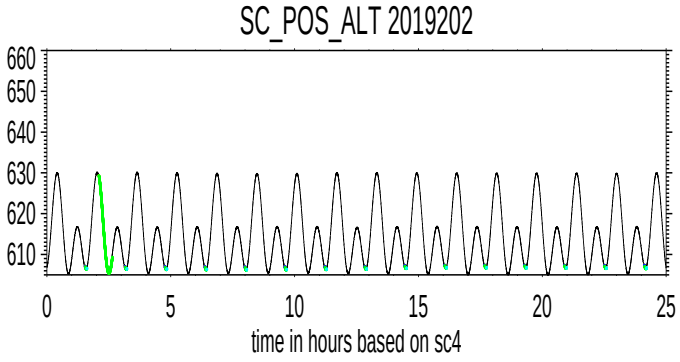

SUN_POS_Y 2019202
-0.910
-0.915
-0.920
-0.925
-0.930
-0.935
0
5
10
15
20
25
time in hours based on sc4

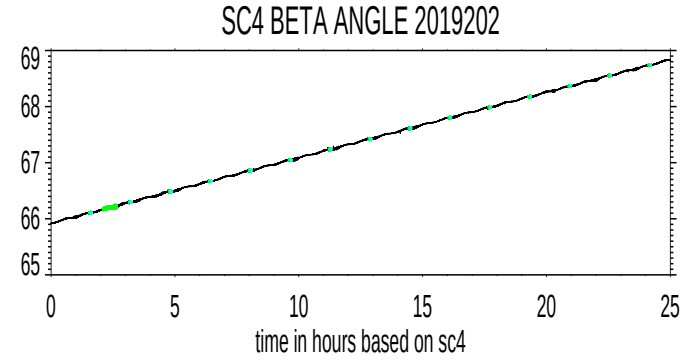

SUN_POS_Z 2019202
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2019202
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2019202
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2019202
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2019202
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2019202
69
68
67
66
65
0
5
10
15
20
25
time in hours based on sc4