```
Information for      2018232
13:30:54.001: see_stat[1]: 12 internal error
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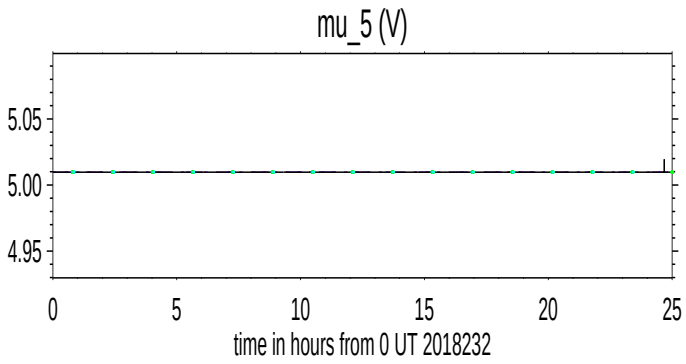
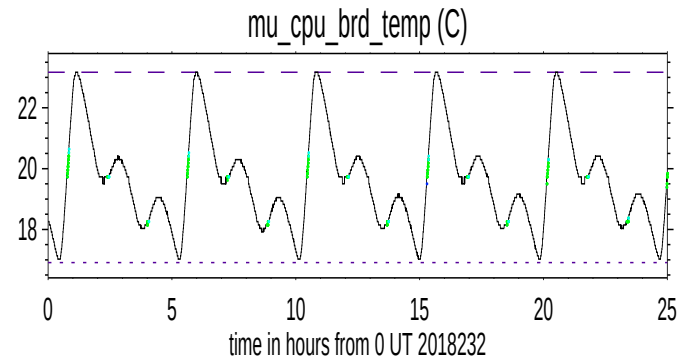

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2018232


mu_cpu_brd_temp (C)
22
20
18
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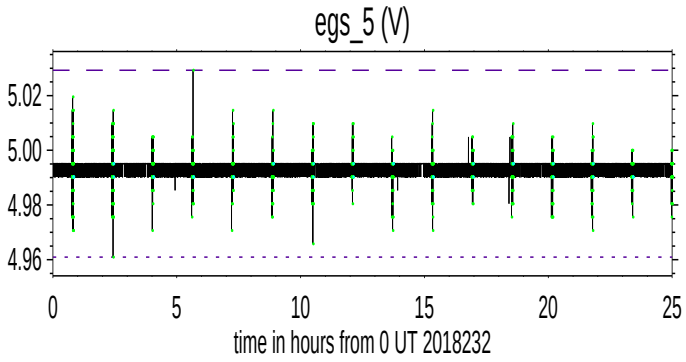
5
10
15
20
25
time in hours from 0 UT 2018232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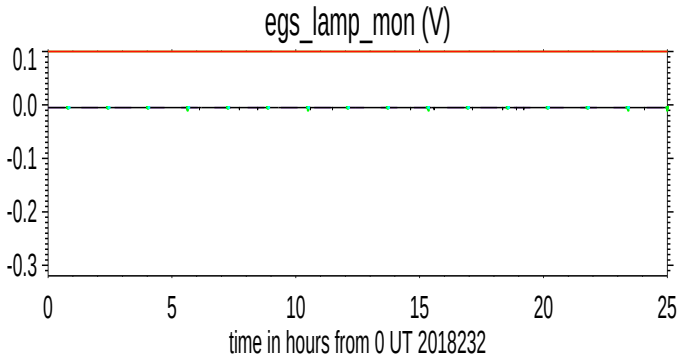
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_lamp_mon (V)
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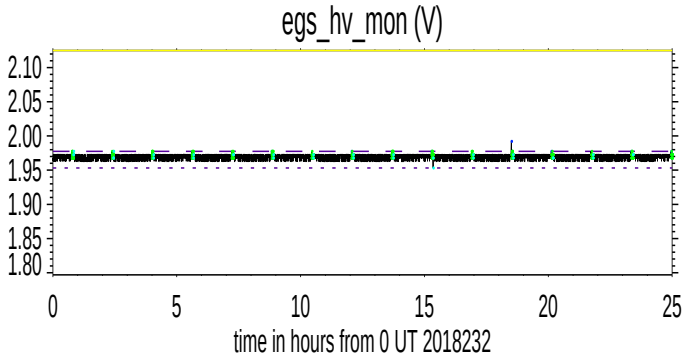
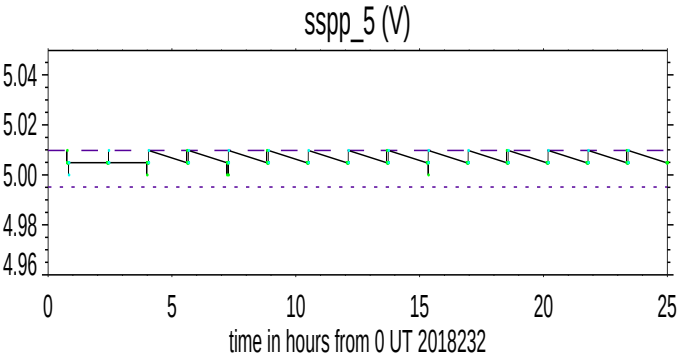
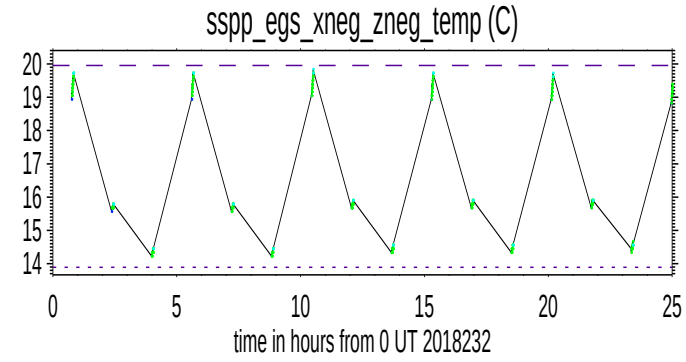
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_hv_mon (V)
2.10
2.05
2.00
1.95
1.90
1.85
1.80
0
5
10
15
20
25
time in hours from 0 UT 2018232


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 2018232


sspp_egs_xneg_zneg_temp (C)
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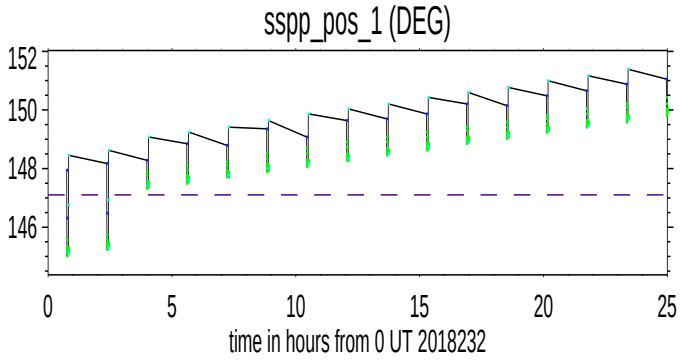
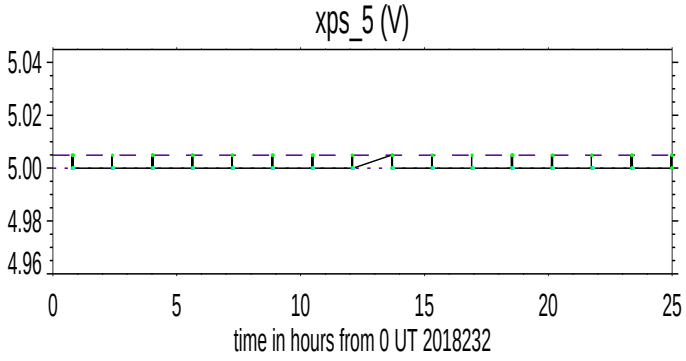
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232


sspp_pos_1 (DEG)
152
150
148
146
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_5 (V)
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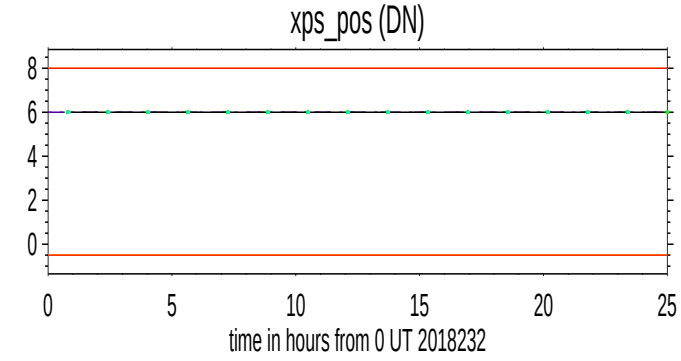
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_pos (DN)
8
6
4
2
0
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10
15
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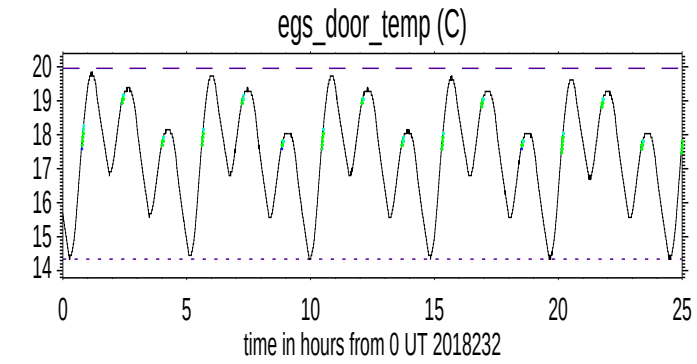
25
time in hours from 0 UT 2018232


egs_door_temp (C)
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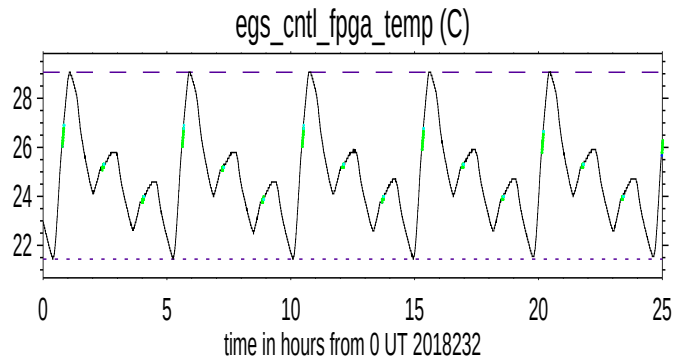
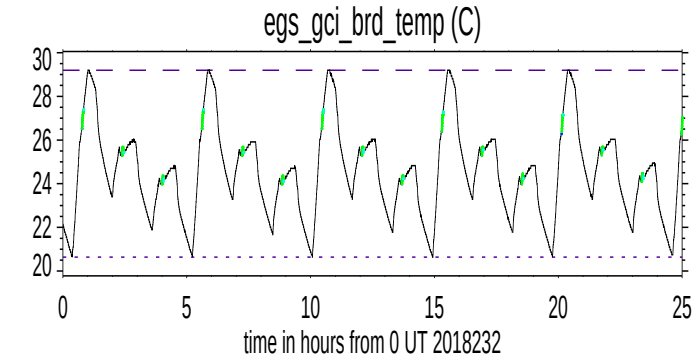
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018232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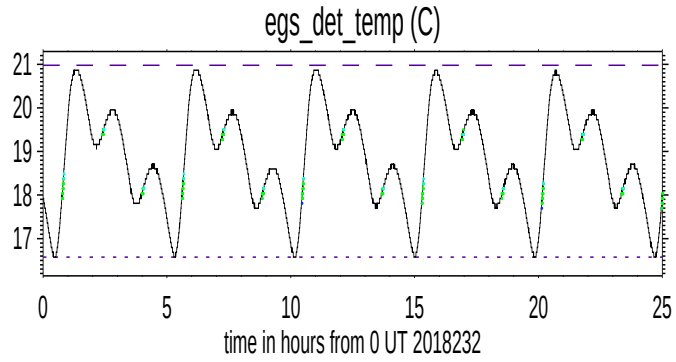
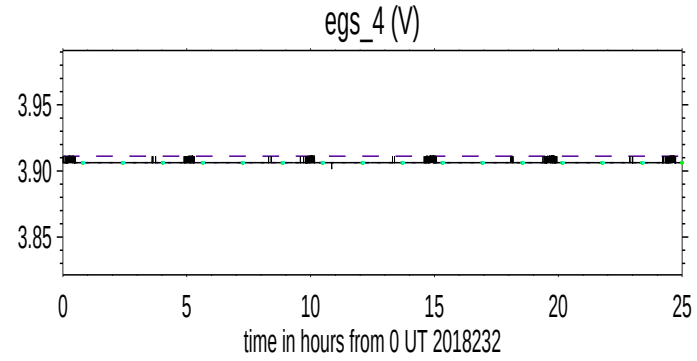
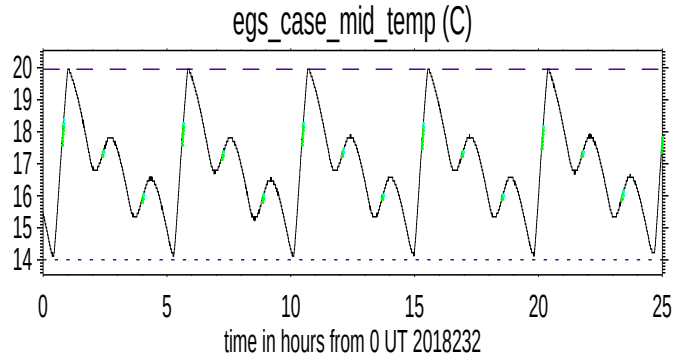
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_det_temp (C)
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018232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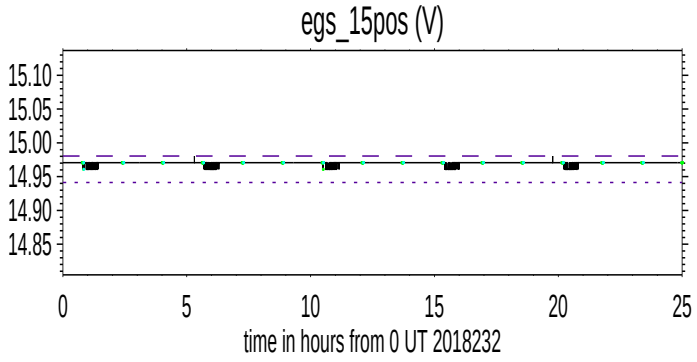
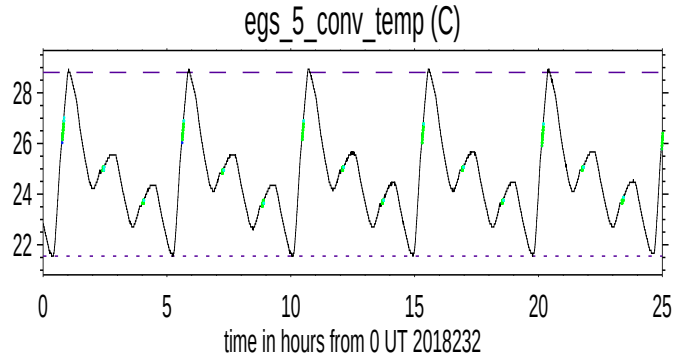
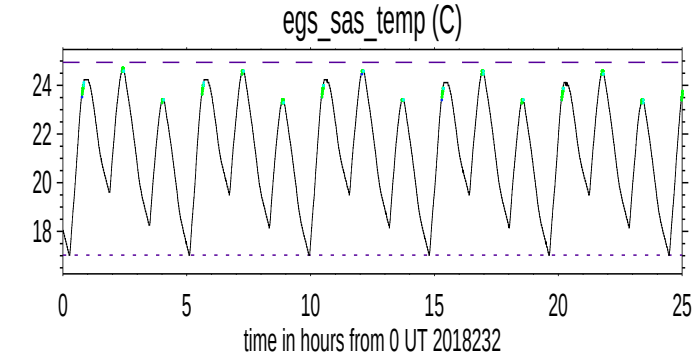
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_15pos (V)
15.10
15.05
15.00
14.95
14.90
14.85
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018232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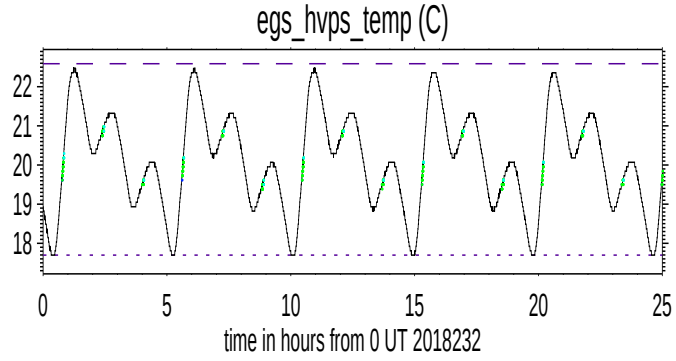
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_hvps_temp (C)
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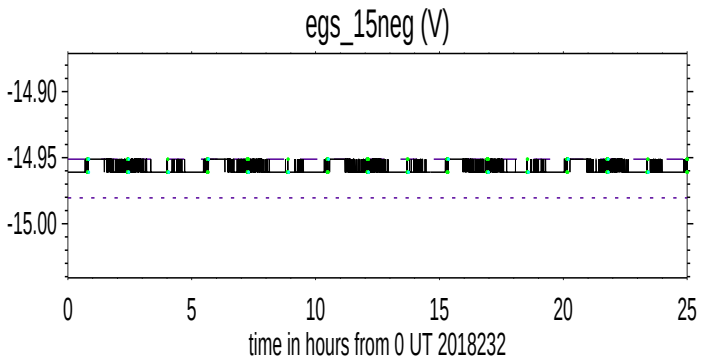
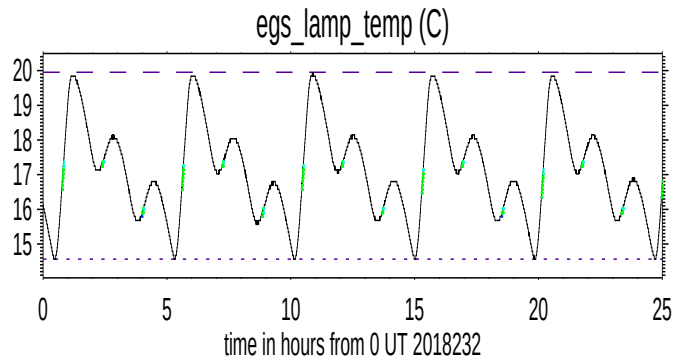
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_lamp_temp (C)
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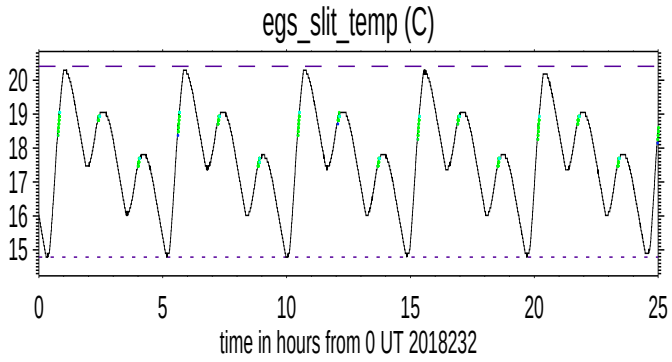
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018232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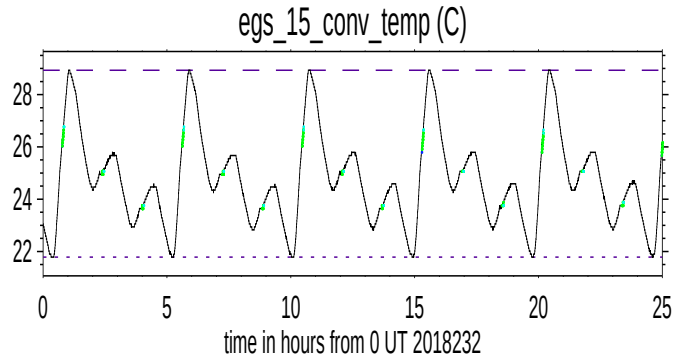
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_15_conv_temp (C)
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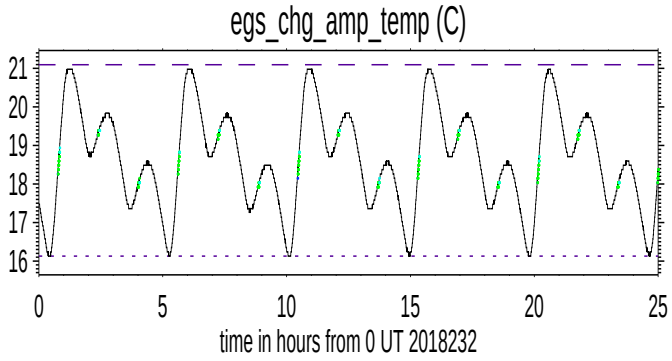
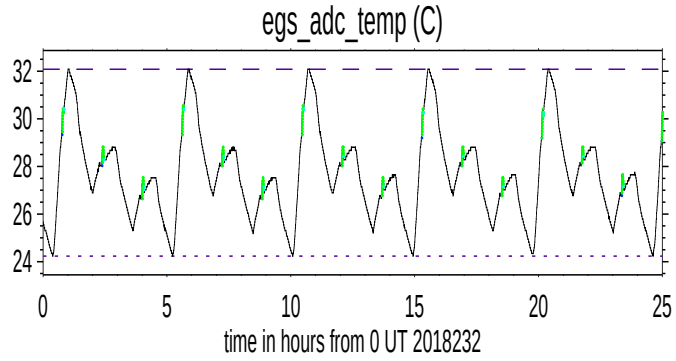
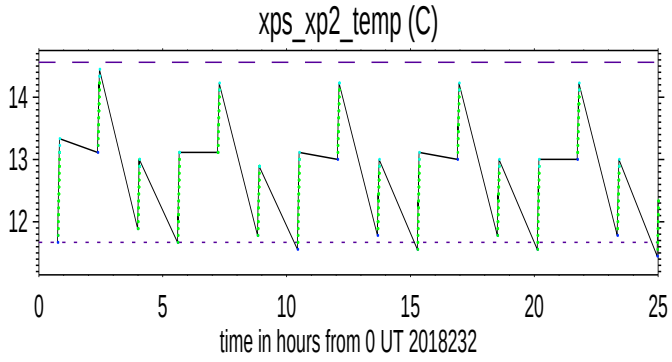
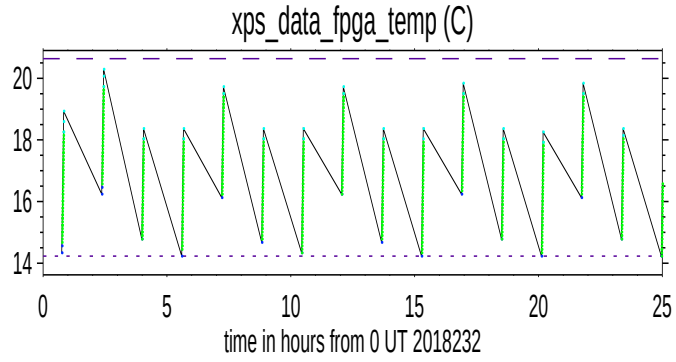
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_chg_amp_temp (C)
21
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2018232


egs_adc_temp (C)
32
30
28
26
24
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_xp2_temp (C)
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_data_fpga_temp (C)
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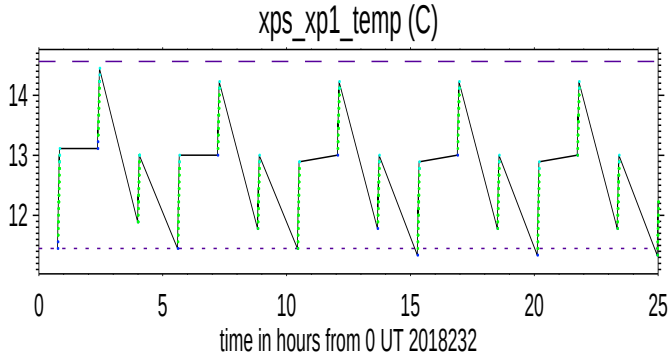
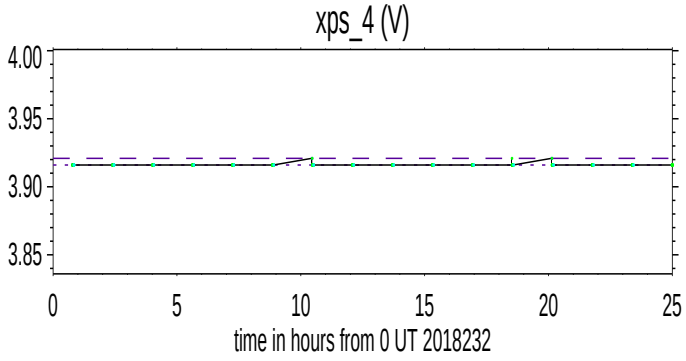
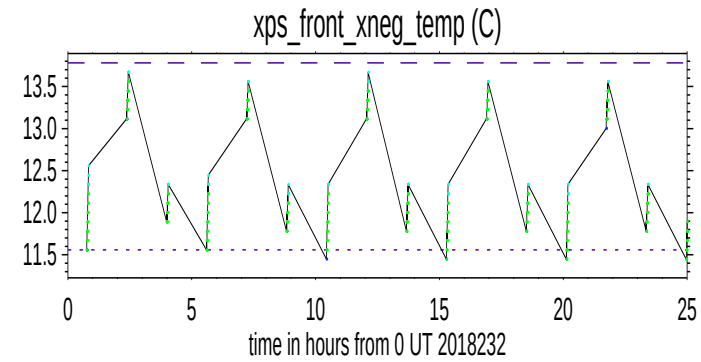
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_xp1_temp (C)
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_front_xneg_temp (C)
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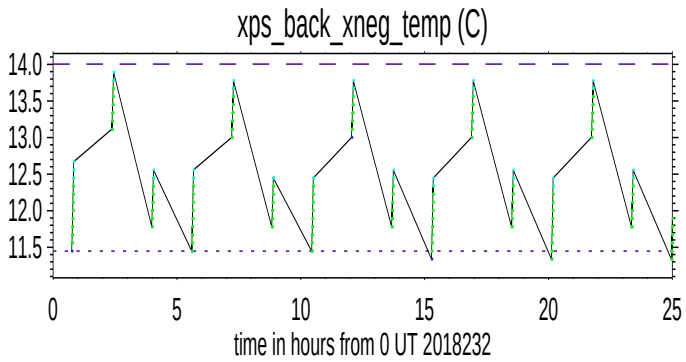
13.0
12.5
12.0
11.5
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_back_xneg_temp (C)
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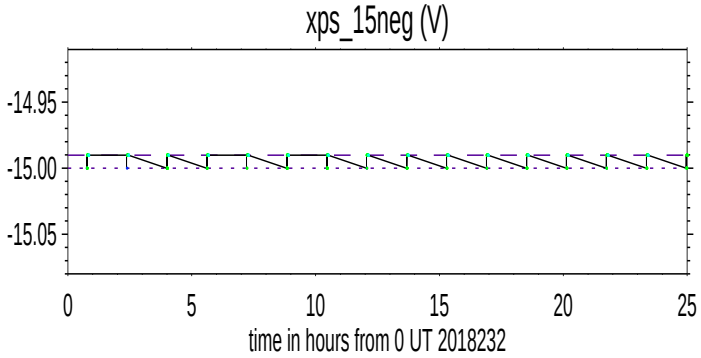
13.5
13.0
12.5
12.0
11.5
0
5
10
15
20
25
time in hours from 0 UT 2018232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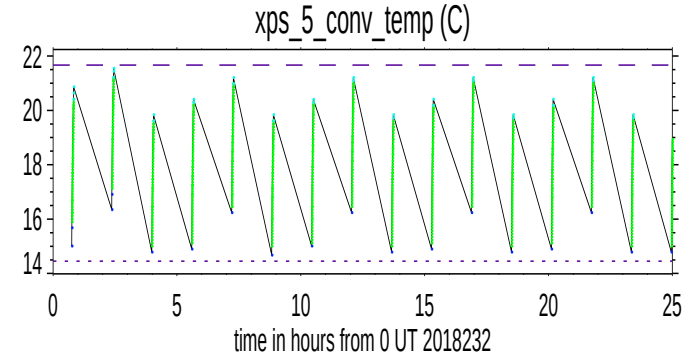
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_5_conv_temp (C)
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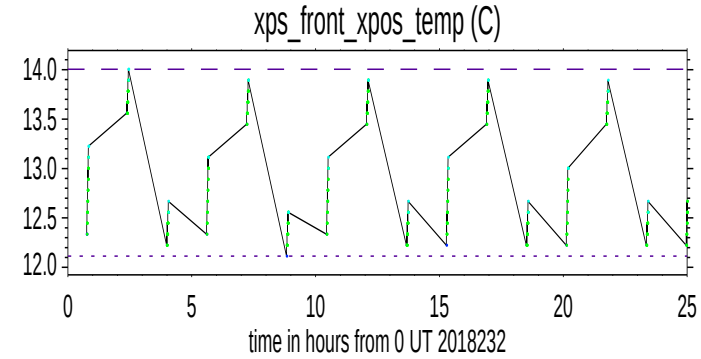
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_front_xpos_temp (C)
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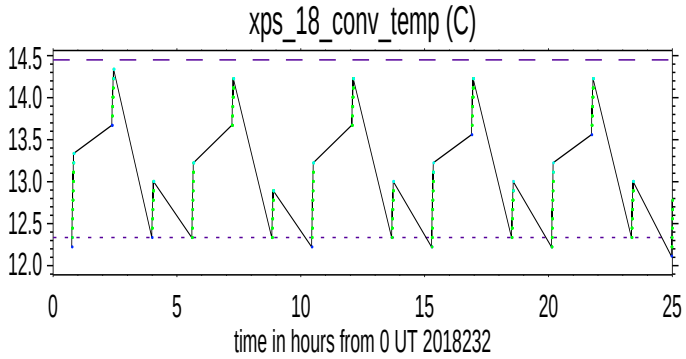
13.5
13.0
12.5
12.0
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_18_conv_temp (C)
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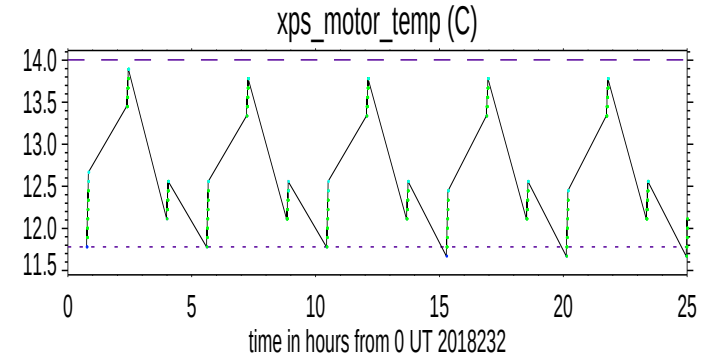
10
15
20
25
time in hours from 0 UT 2018232


xps_motor_temp (C)
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13.0
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11.5
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5
10
15
20
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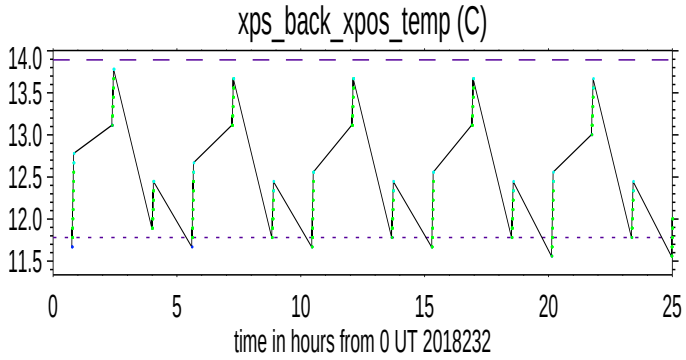
time in hours from 0 UT 2018232


xps_back_xpos_temp (C)
14.0
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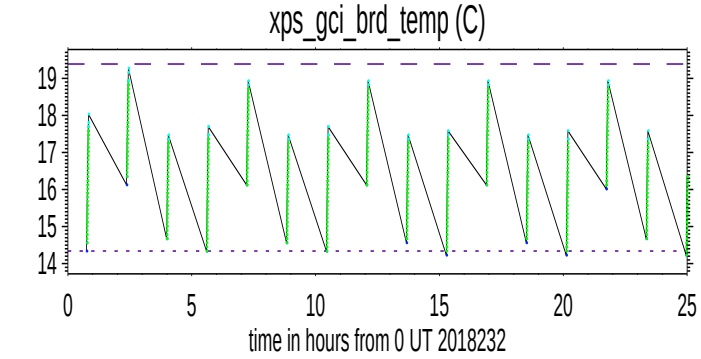
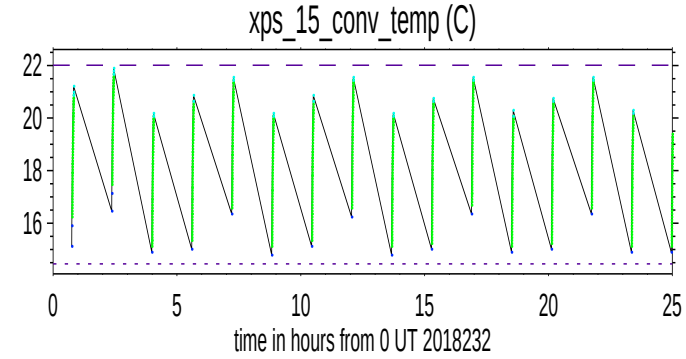
13.0
12.5
12.0
11.5
0
5
10
15
20
25
time in hours from 0 UT 2018232


xps_gci_brd_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232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18
16
0
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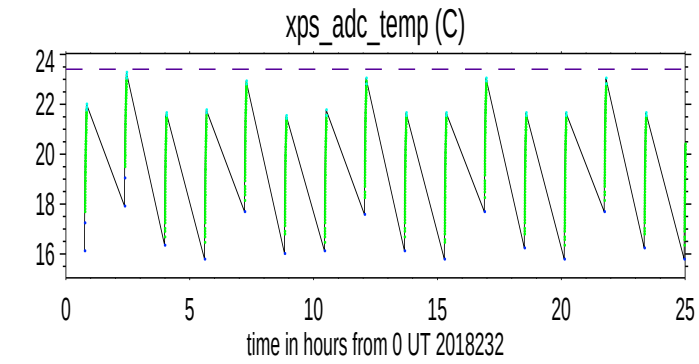
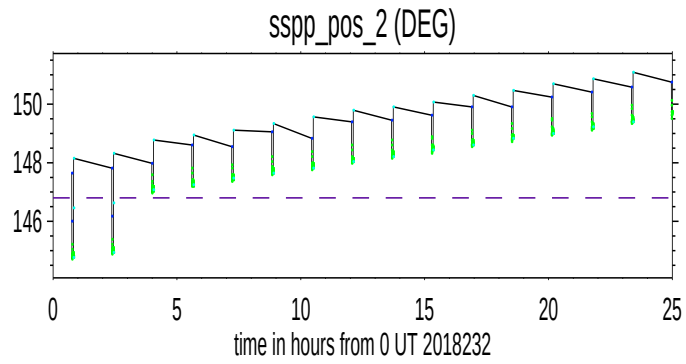
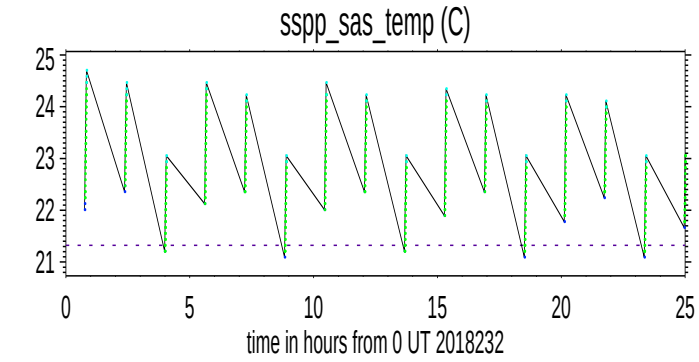
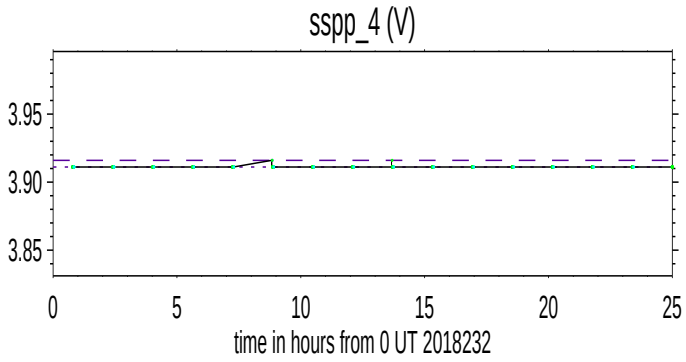
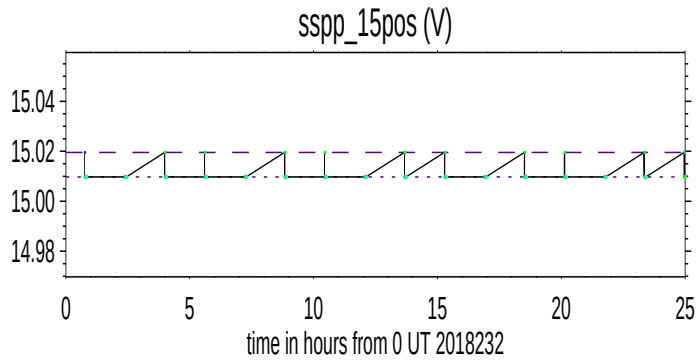
10
15
20
25
time in hours from 0 UT 2018232

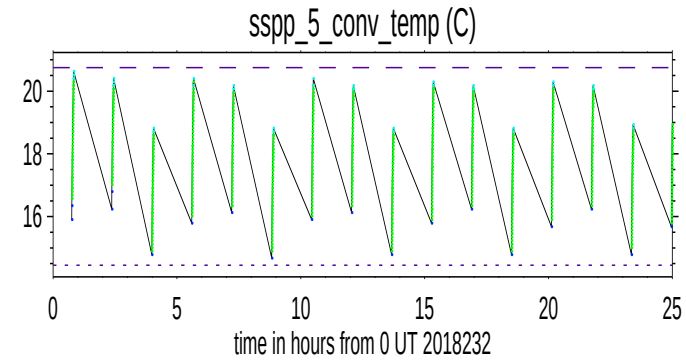

xps_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018232

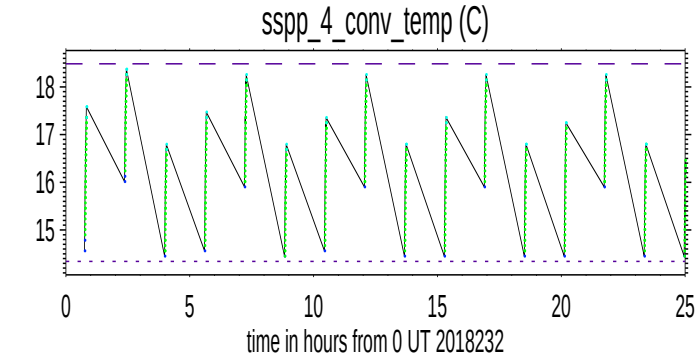

sspp_pos_2 (DEG)
150
148
146
0
5
10
15
20
25
time in hours from 0 UT 2018232

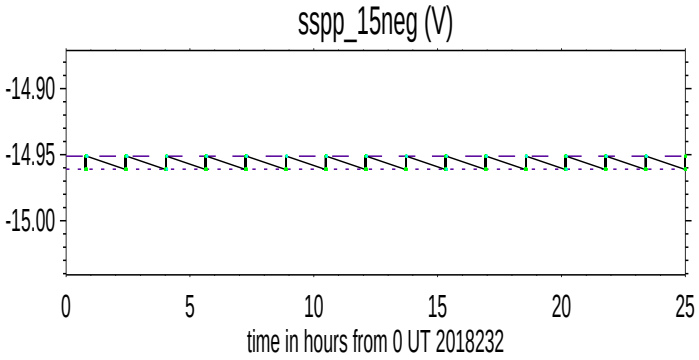

sspp_sas_temp (C)
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2018232

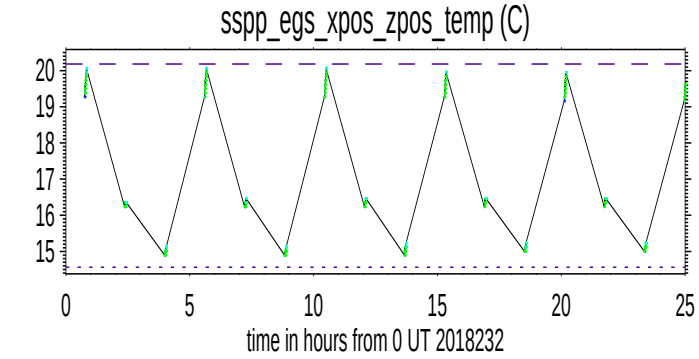

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018232

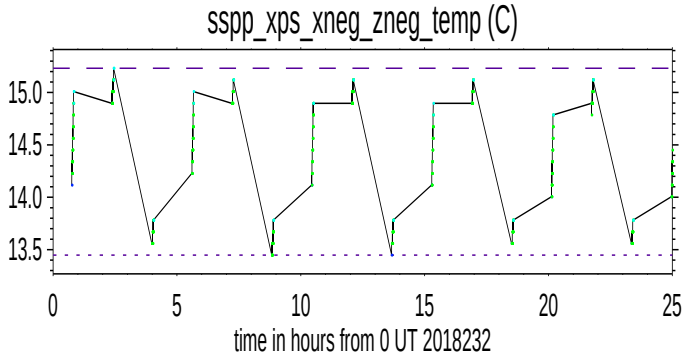

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2018232

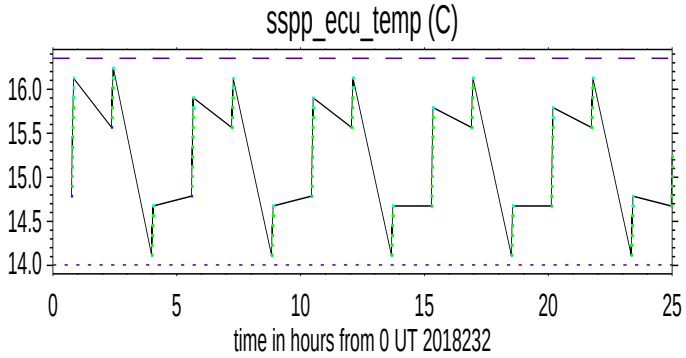

sspp_5_conv_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018232

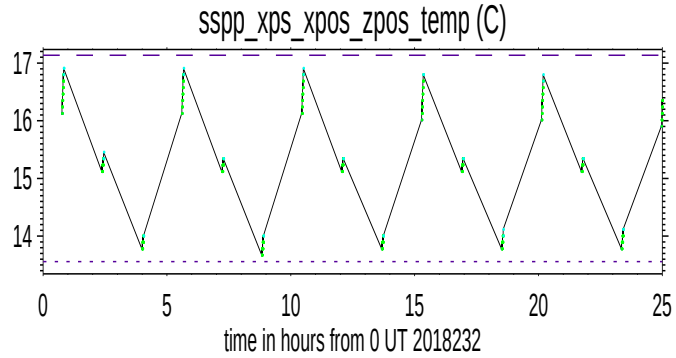

sspp_4_conv_temp (C)
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018232

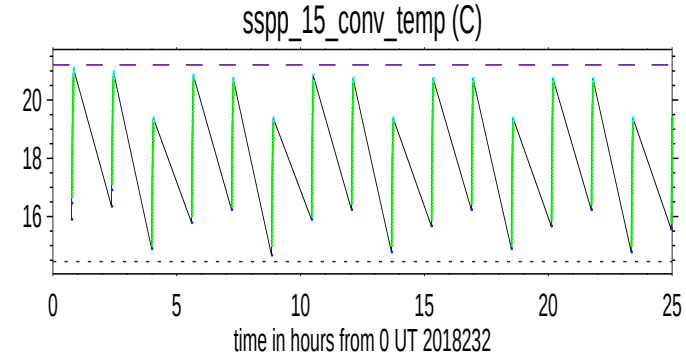

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018232

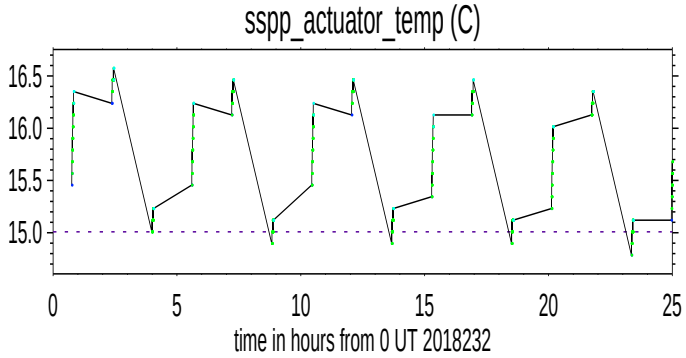

sspp_egs_xpos_zpos_temp (C)
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018232

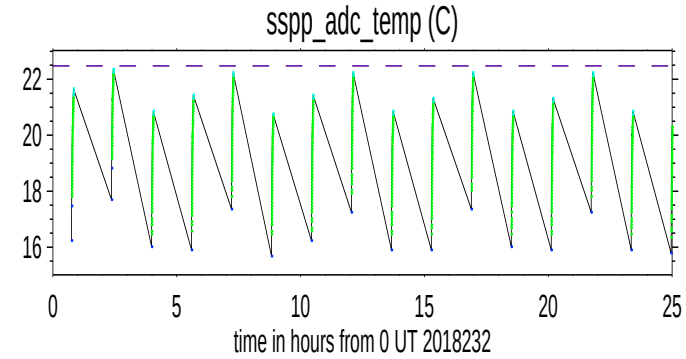

sspp_xps_xneg_zneg_temp (C)
15.0
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2018232

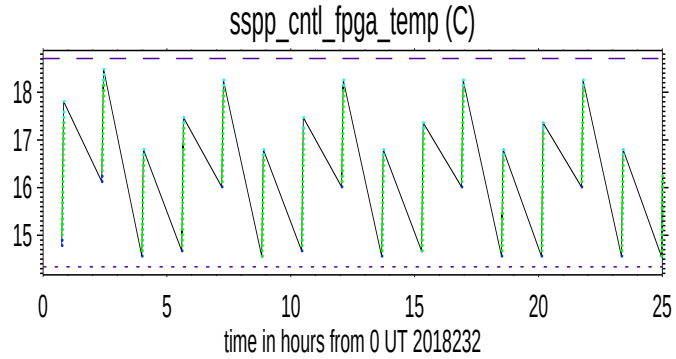

sspp_ecu_temp (C)
16.0
15.5
15.0
14.5
14.0
0
5
10
15
20
25
time in hours from 0 UT 2018232

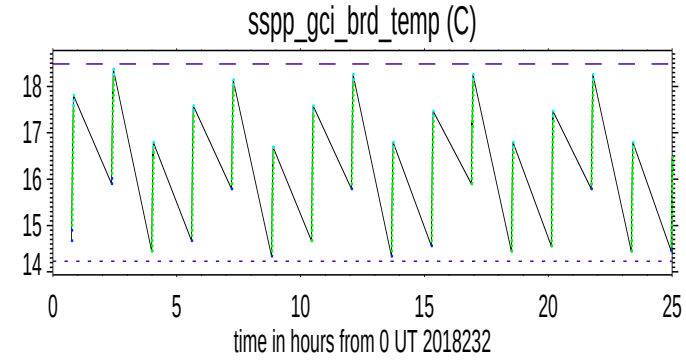

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232

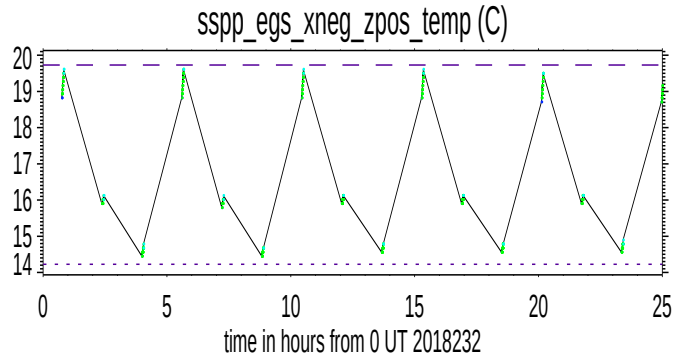

sspp_15_conv_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018232

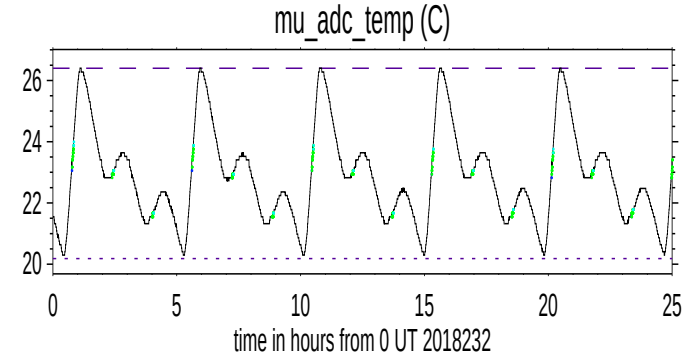

sspp_actuator_temp (C)
16.5
16.0
15.5
15.0
0
5
10
15
20
25
time in hours from 0 UT 2018232

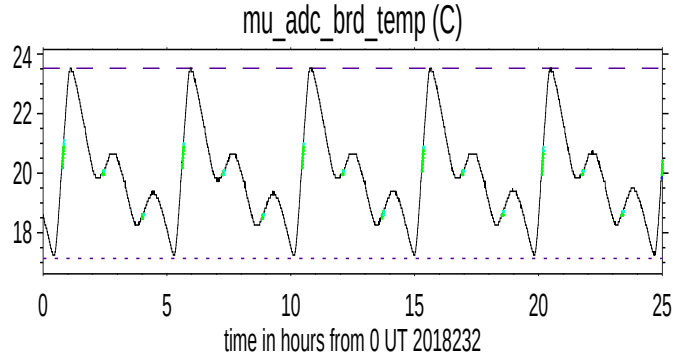

sspp_adc_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018232

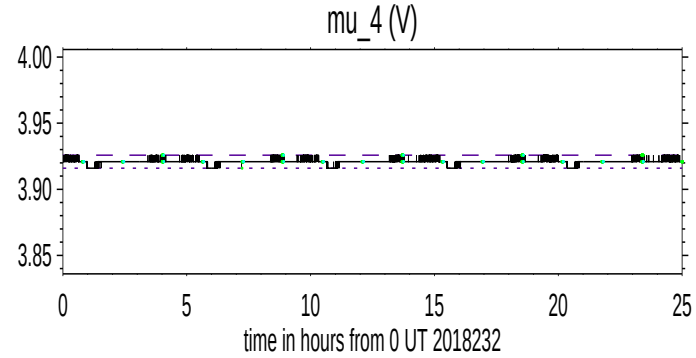

sspp_cntl_fpga_temp (C)
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018232

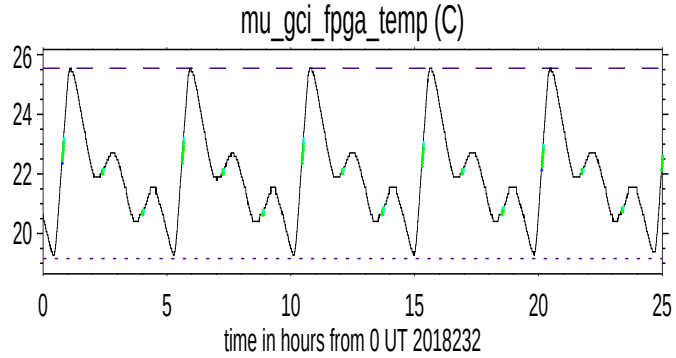

sspp_gci_brd_temp (C)
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232

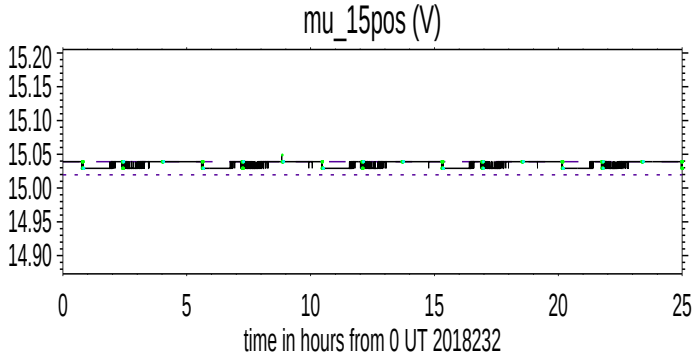

sspp_egs_xneg_zpos_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018232

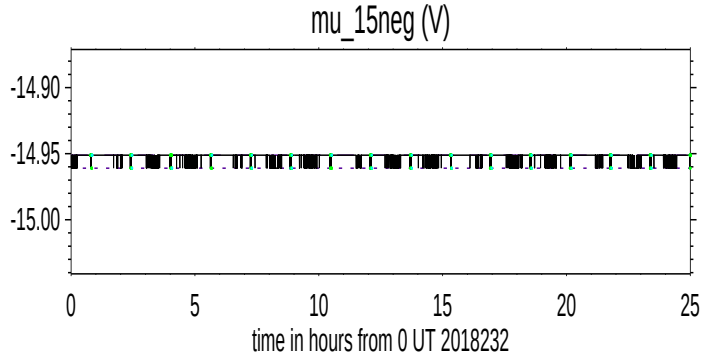

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018232

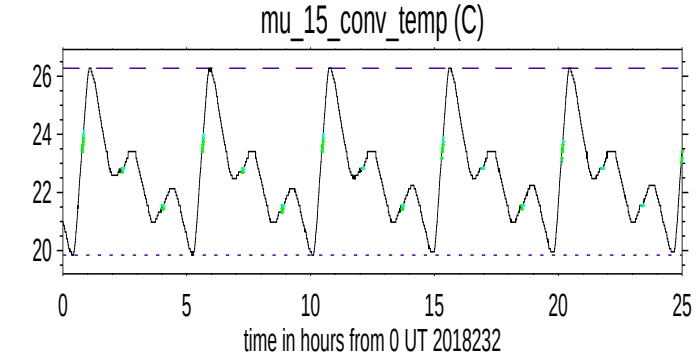

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

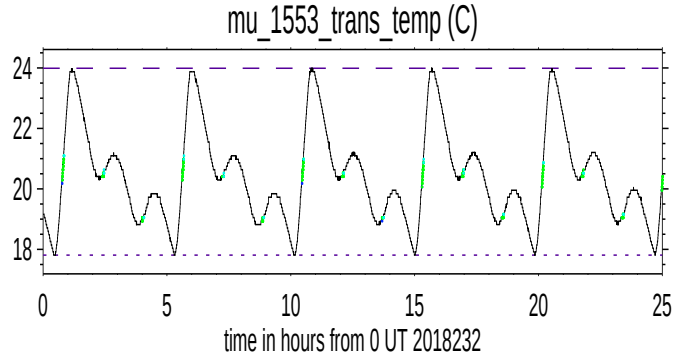

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018232

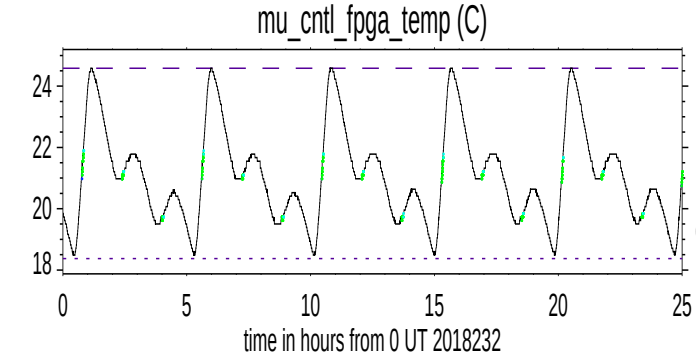

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018232

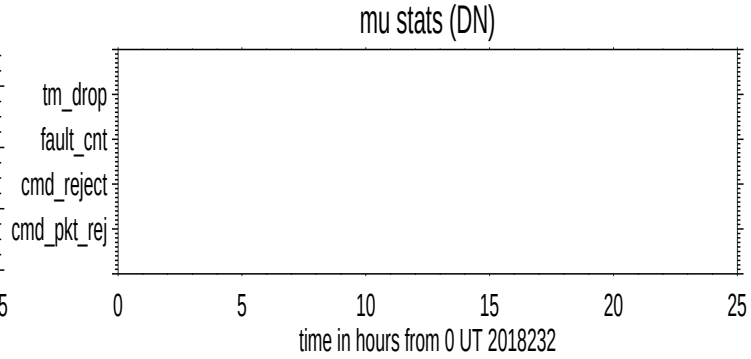

mu_15pos (V)
15.20
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2018232

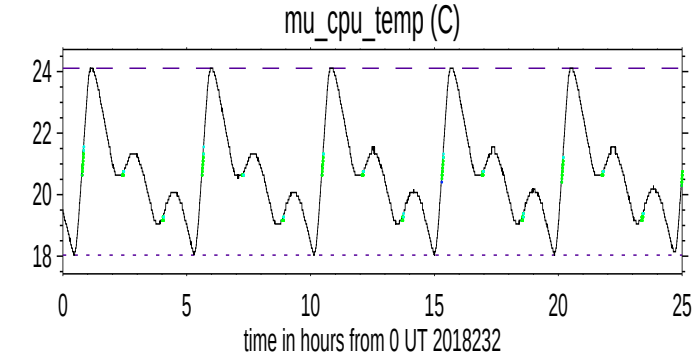

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018232

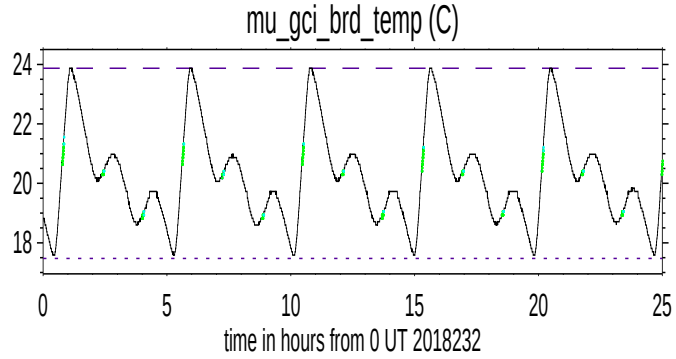

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018232

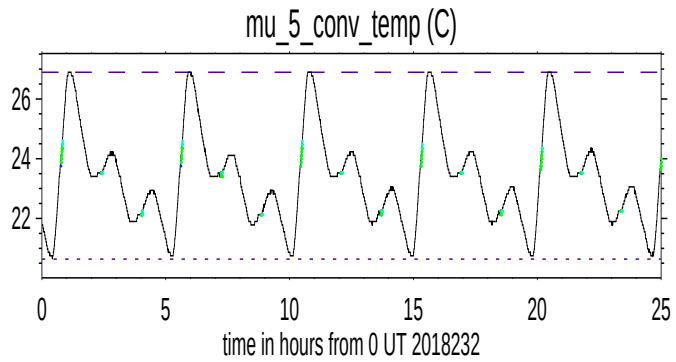

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

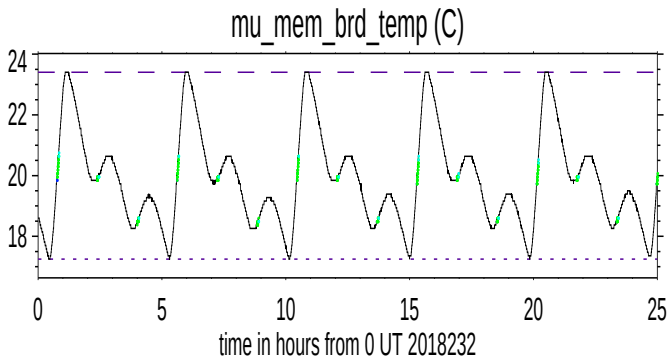

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

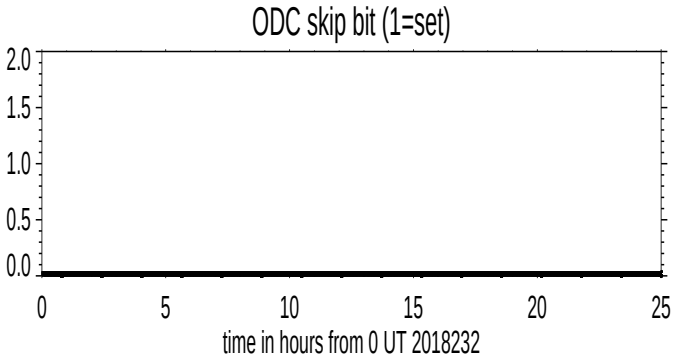

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2018232

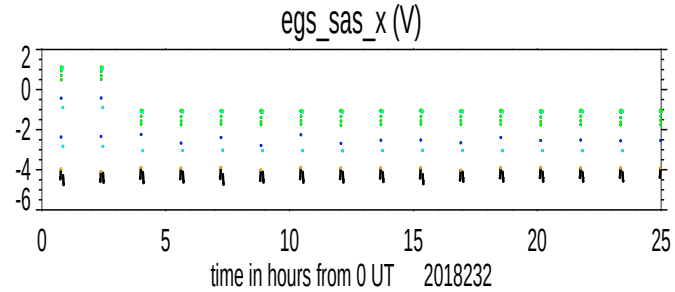

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

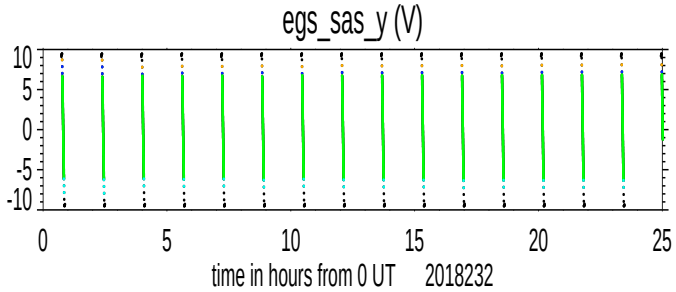

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

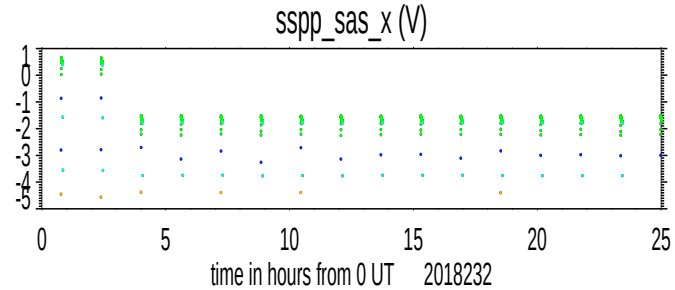

mu_5_conv_temp (C)
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018232

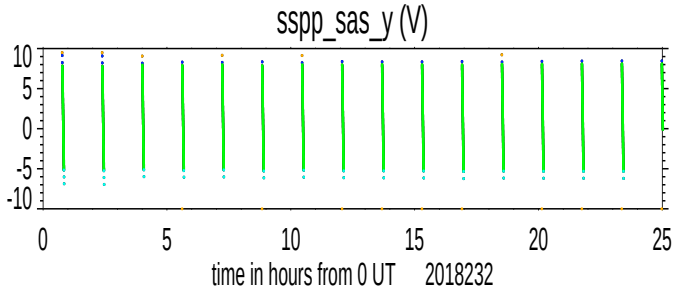

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018232

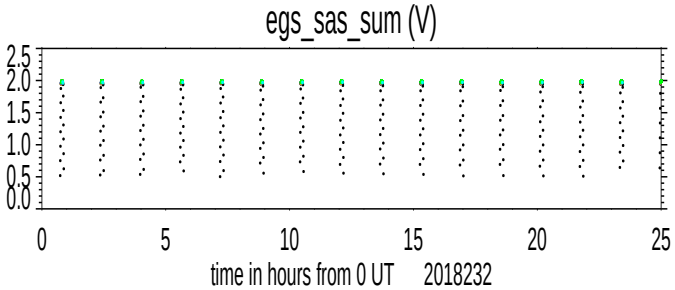

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2018232

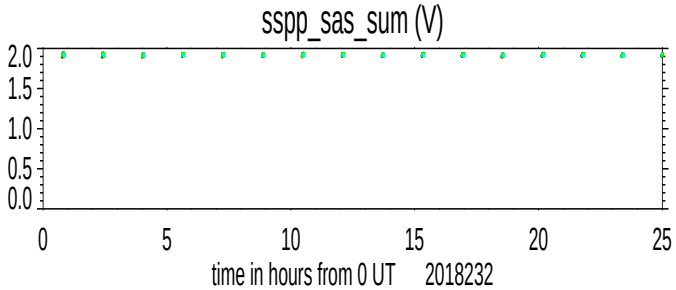

egs_sas_x (V)
time in hours from 0 UT 2018232

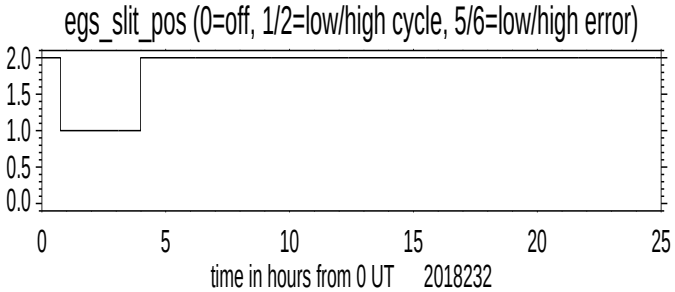

egs_sas_y (V)
time in hours from 0 UT 2018232

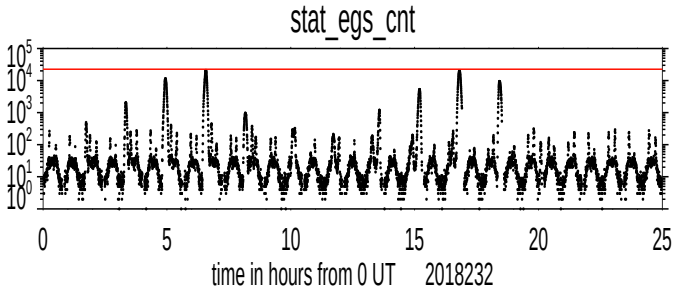

sspp_sas_x (V)
time in hours from 0 UT 2018232

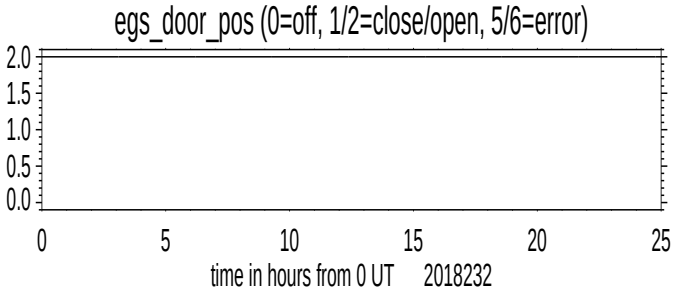

sspp_sas_y (V)
time in hours from 0 UT 2018232

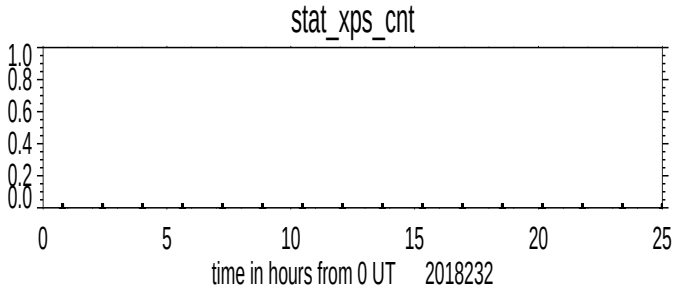

egs_sas_sum (V)
time in hours from 0 UT 2018232

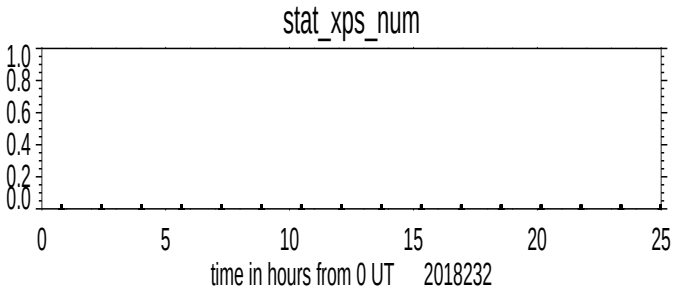

sspp_sas_sum (V)
time in hours from 0 UT 2018232

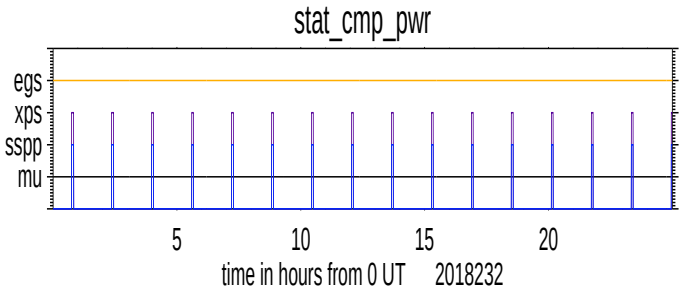

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2018232


stat_egs_cnt
time in hours from 0 UT 2018232

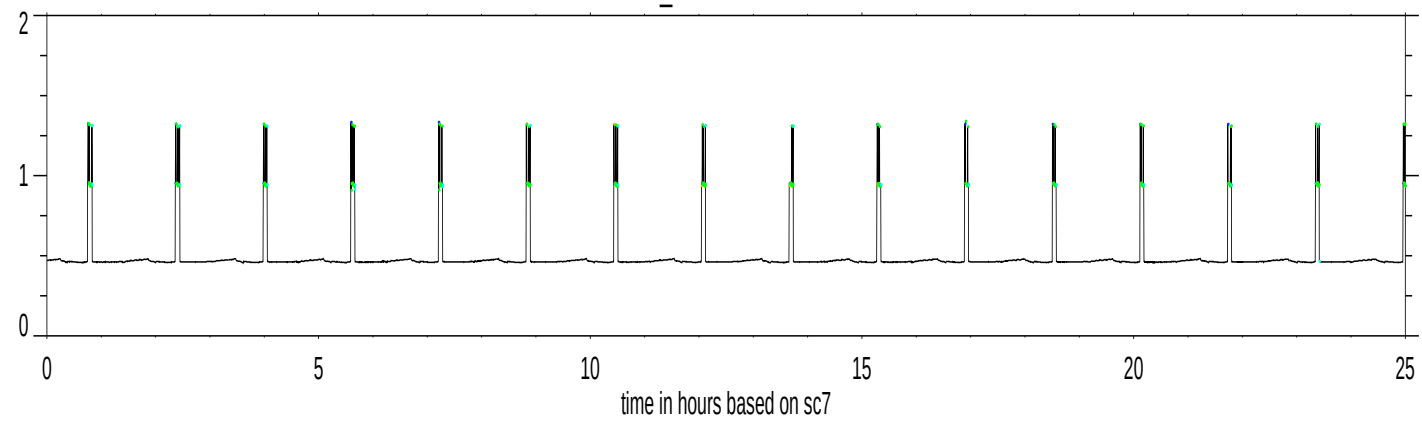

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2018232


stat_xps_cnt
time in hours from 0 UT 2018232

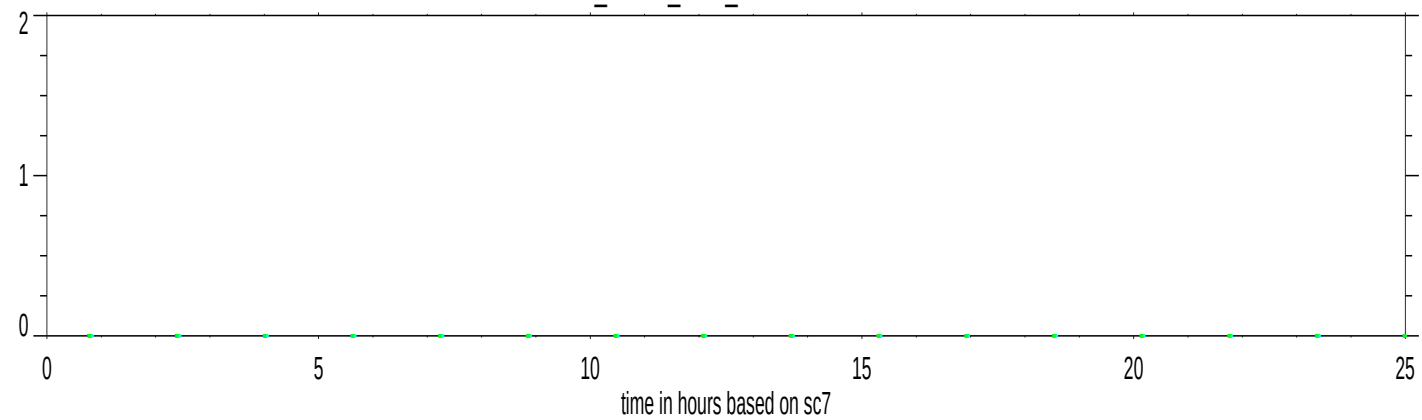

stat_xps_num
time in hours from 0 UT 2018232


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2018232

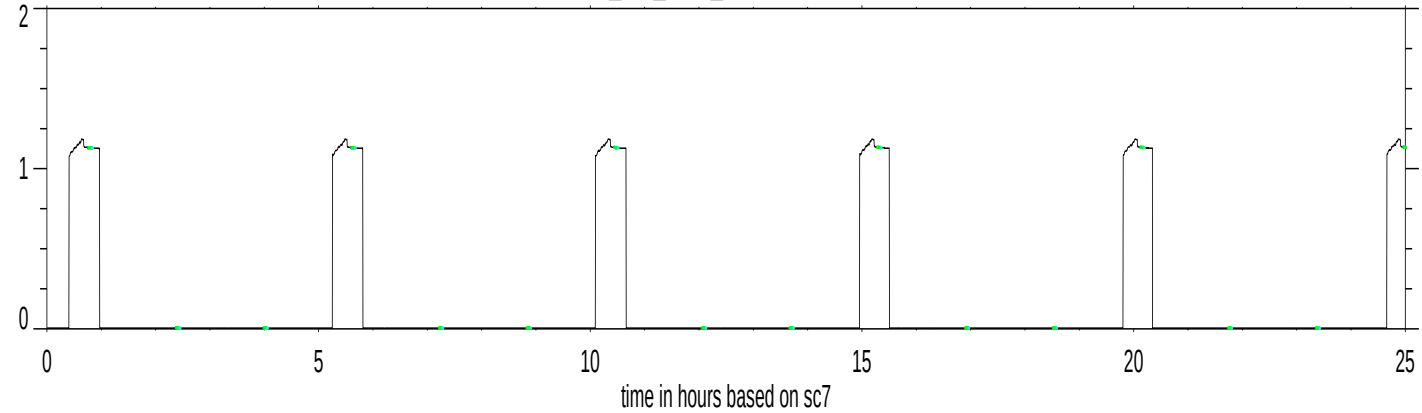
SEE_CUR 2018232



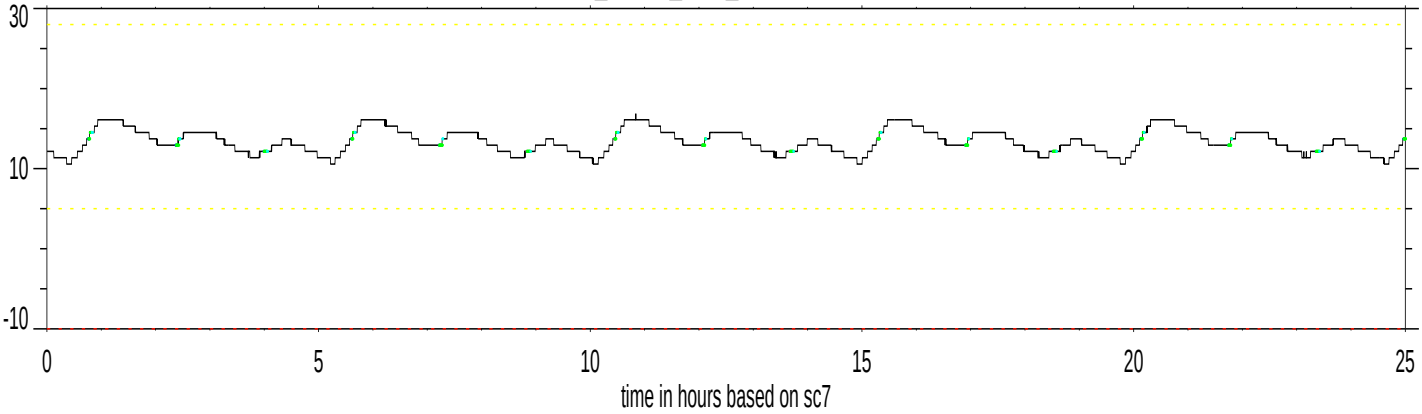
SEE_SURV_HTR_CUR 2018232

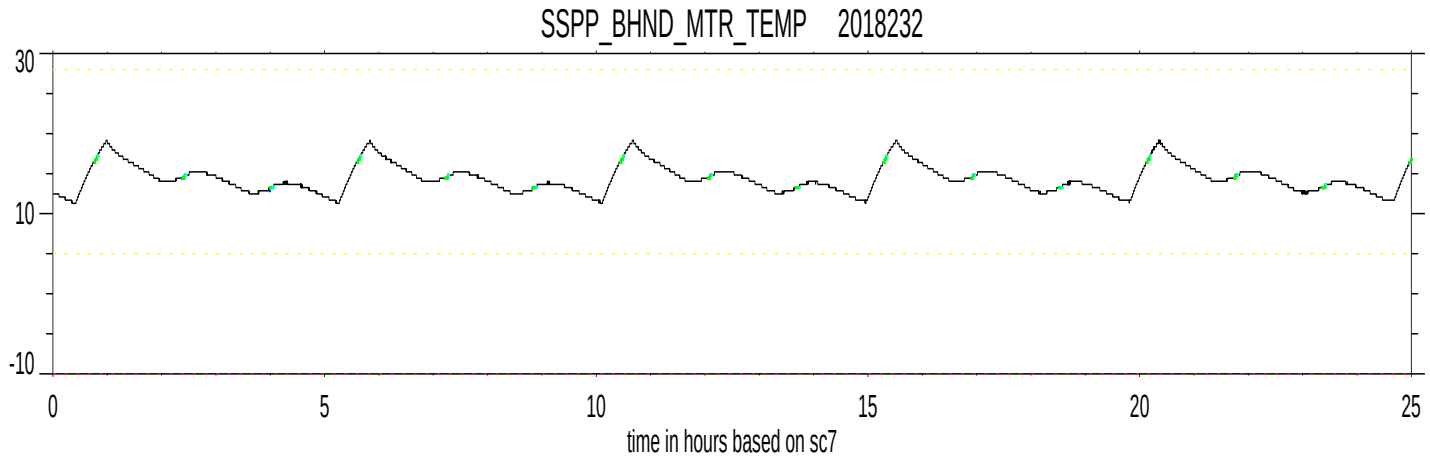


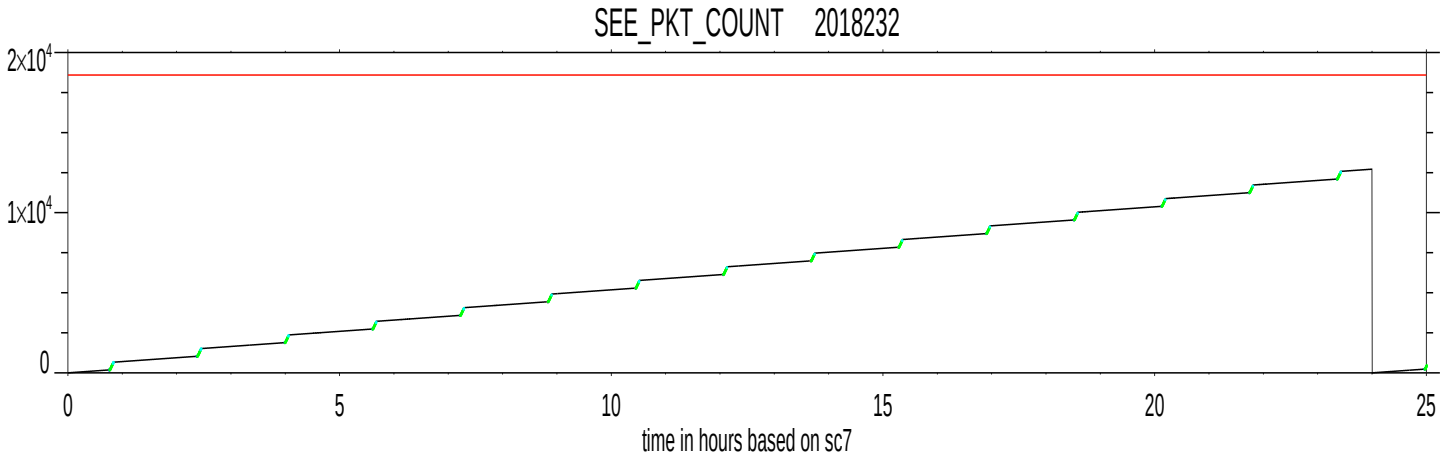
SEE_OP_HTR_CUR 2018232

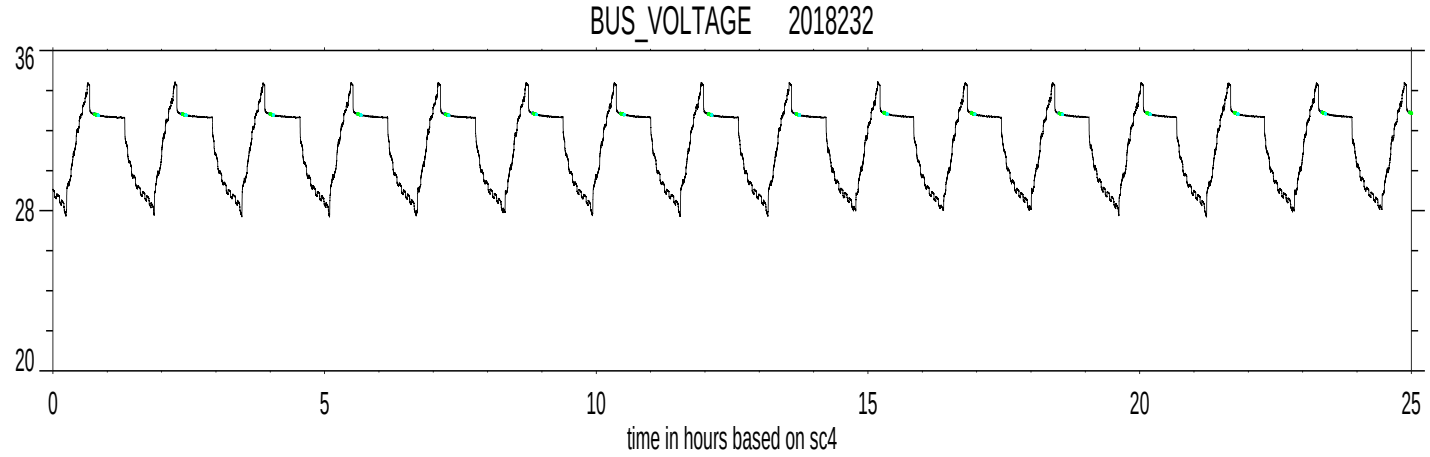


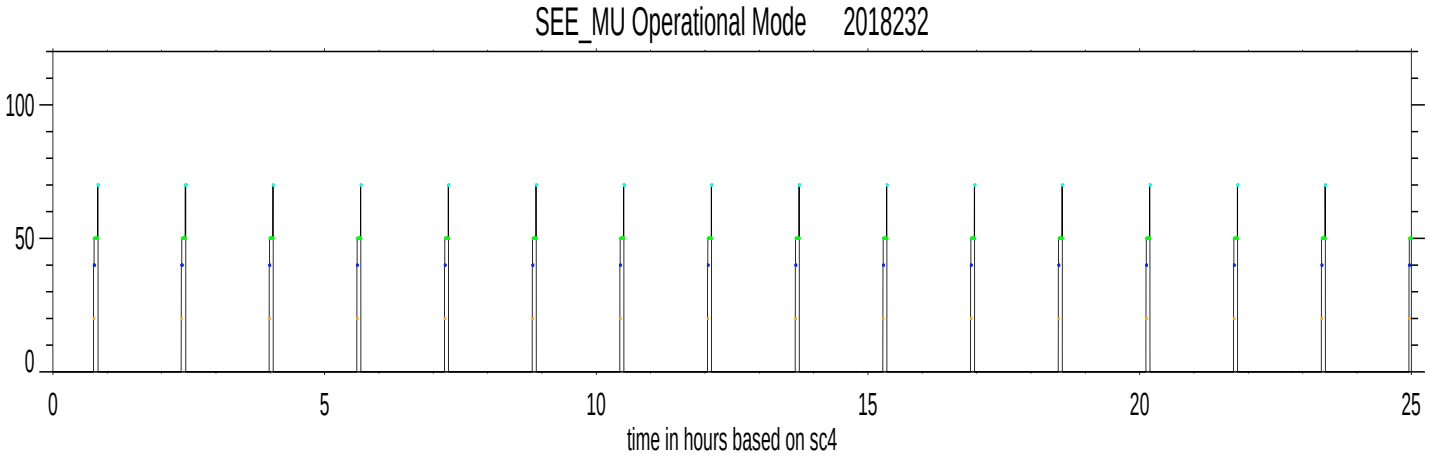
SSPP_BHND_XPS_TEMP 2018232

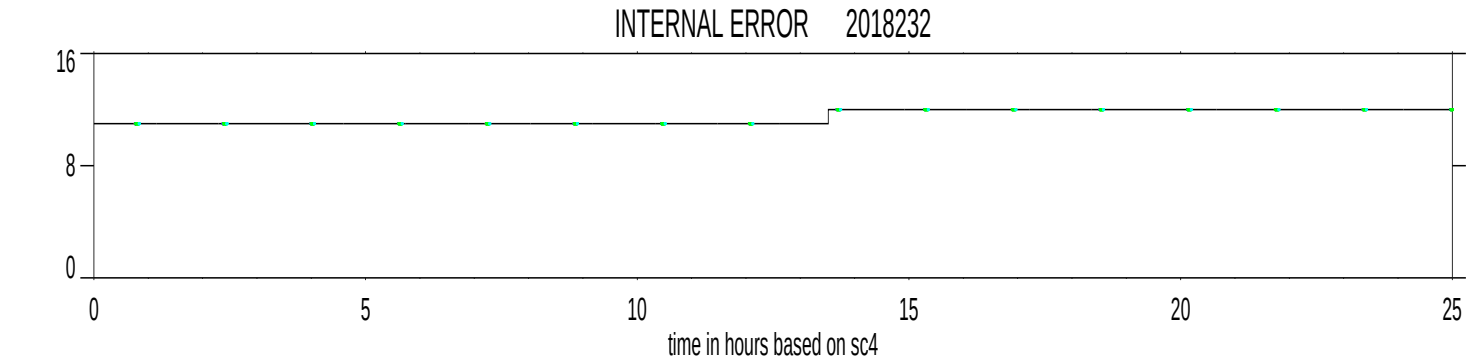


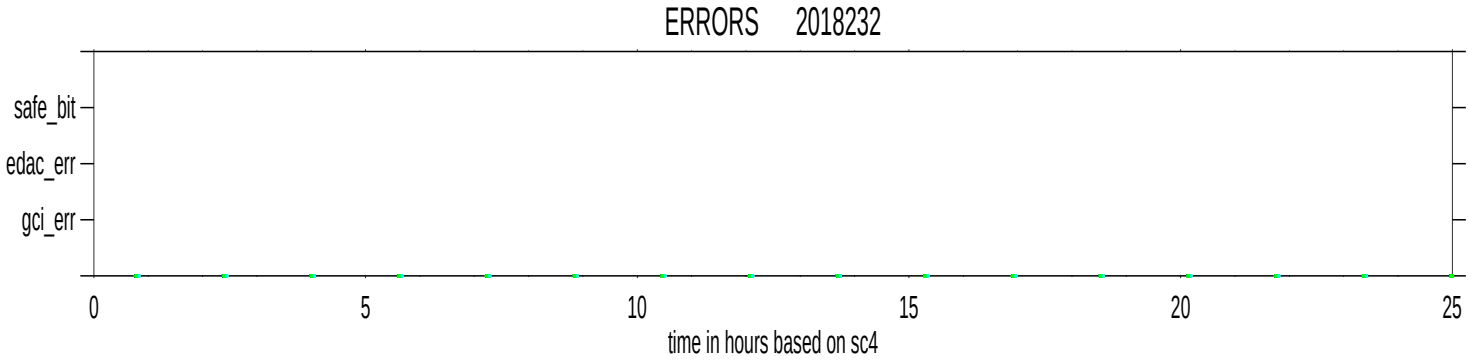

SSPP_BHND_MTR_TEMP 2018232
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

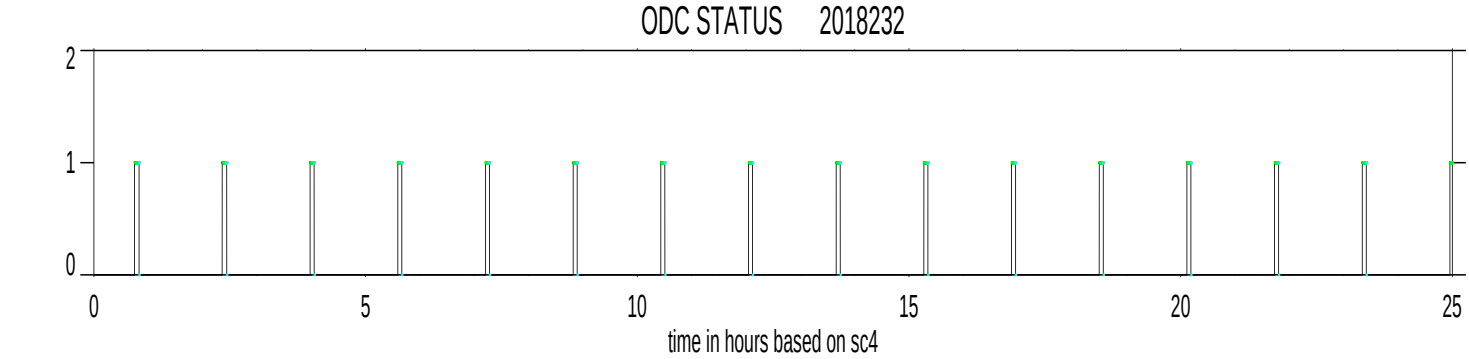

SEE_PKT_COUNT 2018232
2x10^4
1x10^4
0
0
5
10
15
20
25
time in hours based on sc7

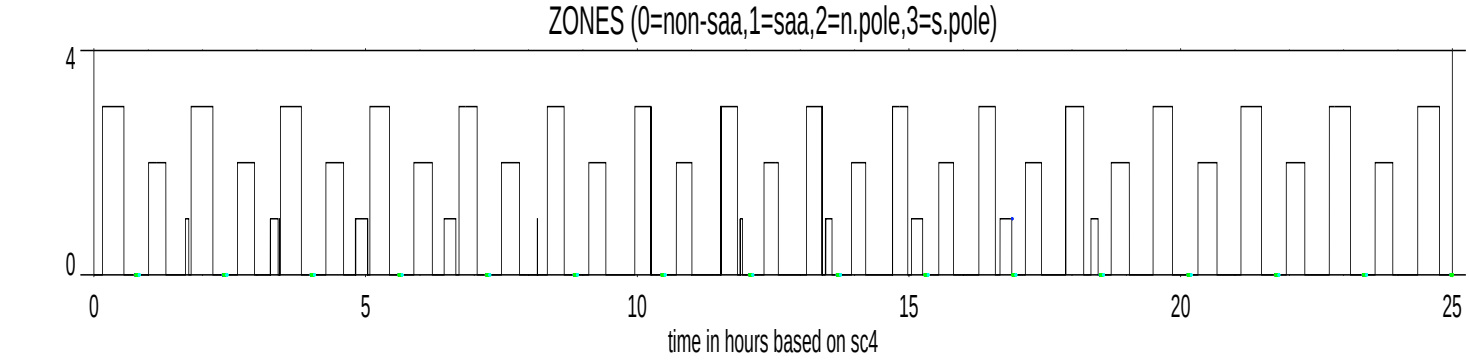

BUS_VOLTAGE 2018232
36
28
20
0
5
10
15
20
25
time in hours based on sc4

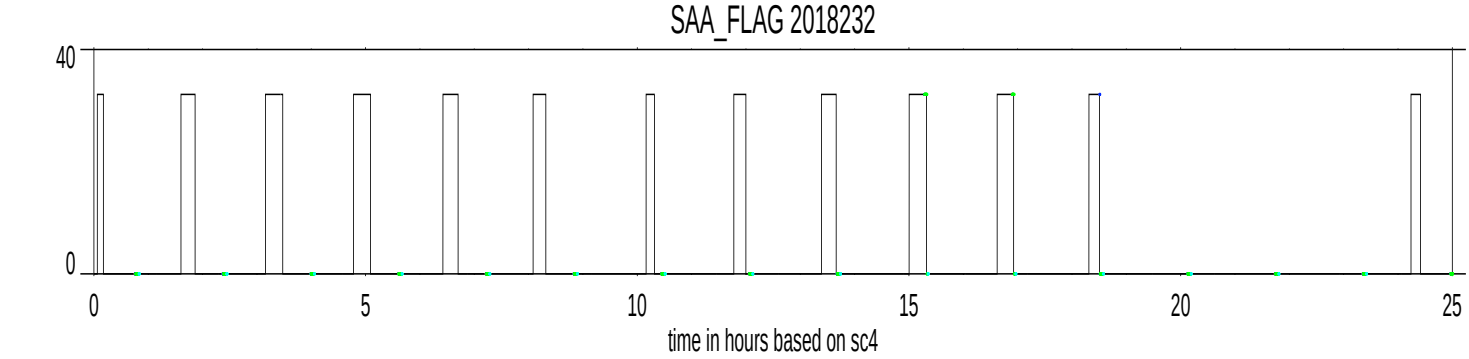

SEE_MU Operational Mode 2018232
100
50
0
0
5
10
15
20
25
time in hours based on sc4

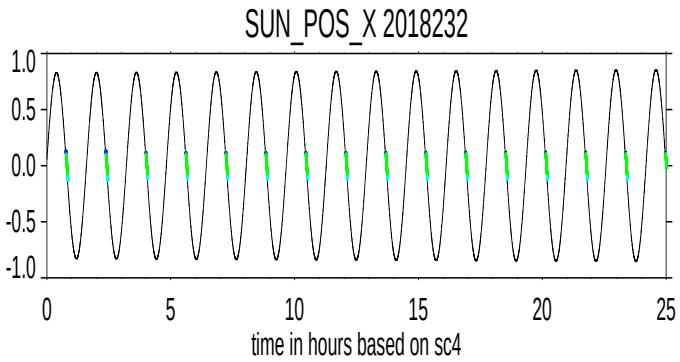

INTERNAL ERROR 2018232
16
8
0
0
5
10
15
20
25
time in hours based on sc4

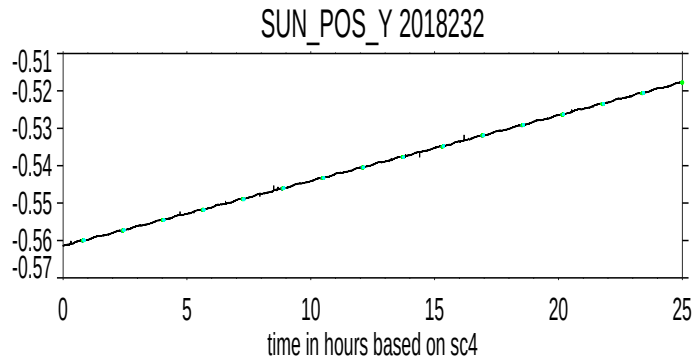

ERRORS 2018232
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

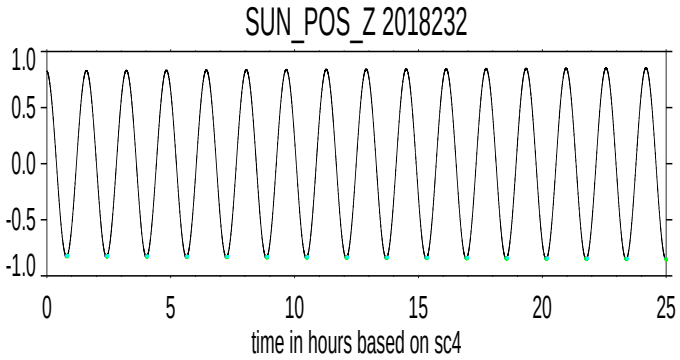

ODC STATUS 2018232
2
1
0
0
5
10
15
20
25
time in hours based on sc4

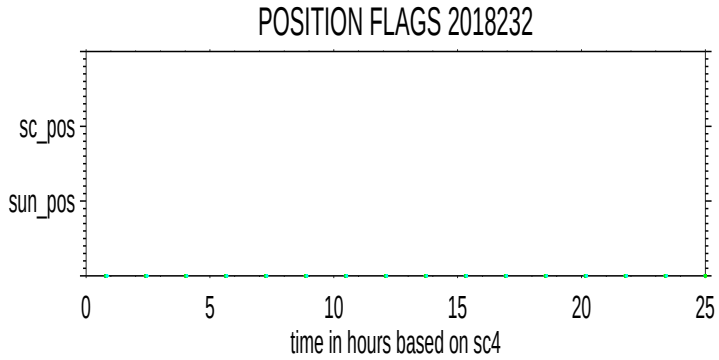

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

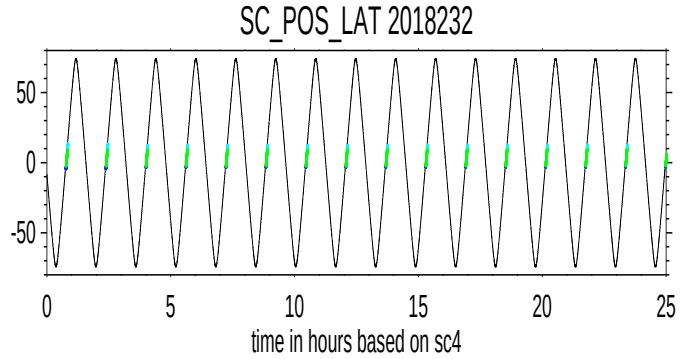

SAA_FLAG 2018232
40
0
0
5
10
15
20
25
time in hours based on sc4

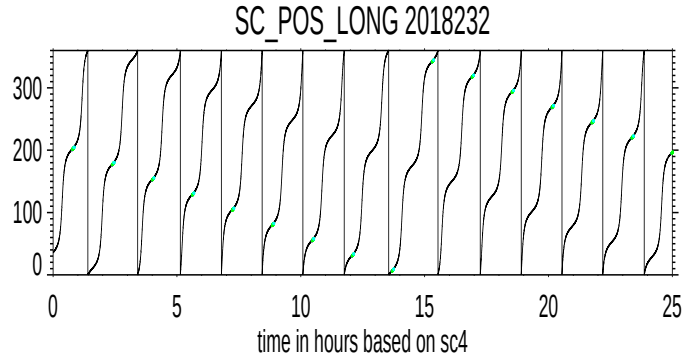

SUN_POS_X 2018232
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

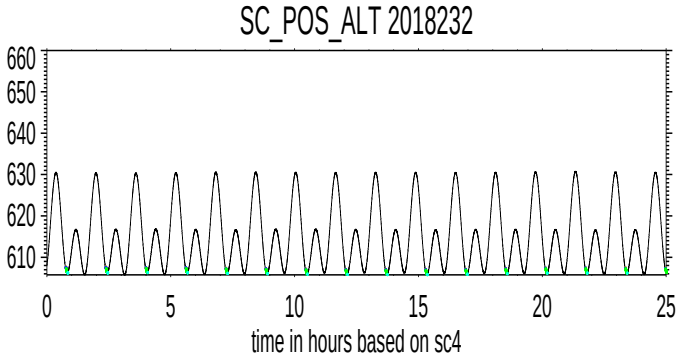

SUN_POS_Y 2018232
-0.51
-0.52
-0.53
-0.54
-0.55
-0.56
-0.57
0
5
10
15
20
25
time in hours based on sc4

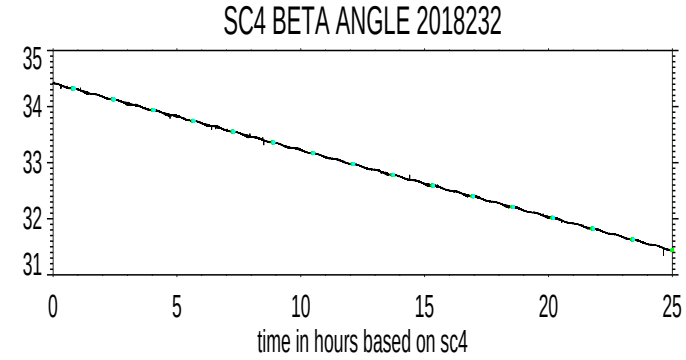

SUN_POS_Z 2018232
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2018232
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2018232
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2018232
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2018232
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2018232
35
34
33
32
31
0
5
10
15
20
25
time in hours based on sc4