```
Information for      2017246
04:20:09.000: see_stat[1]: 2 internal error
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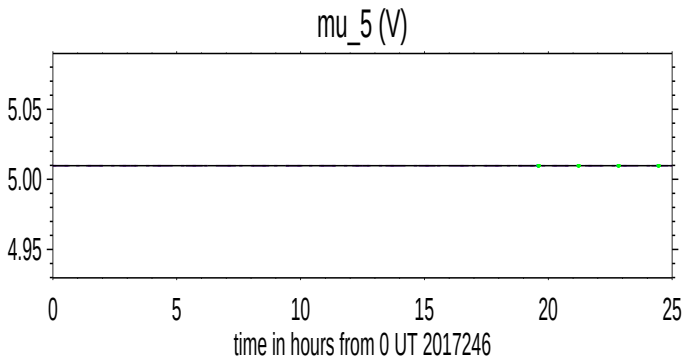
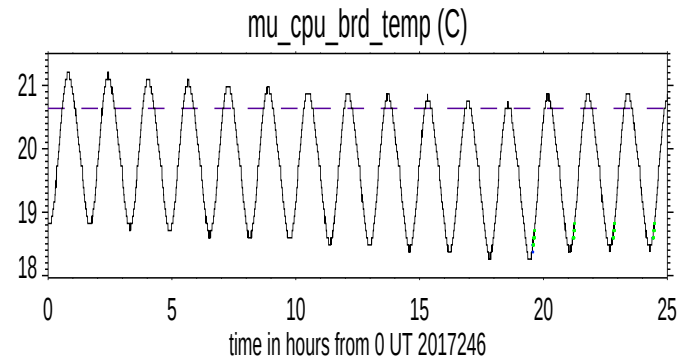

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2017246


mu_cpu_brd_temp (C)
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20
19
18
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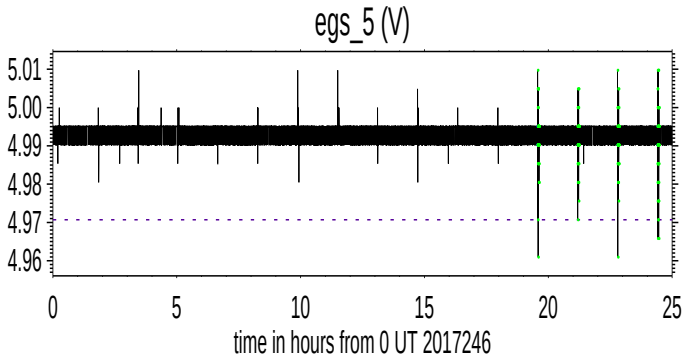
15
20
25
time in hours from 0 UT 2017246


egs_5 (V)
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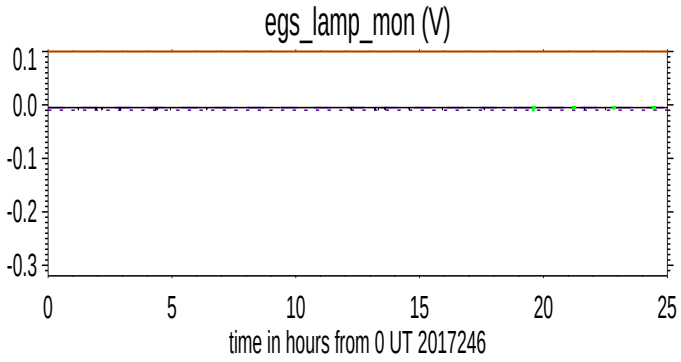
5.00
4.99
4.98
4.97
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_lamp_mon (V)
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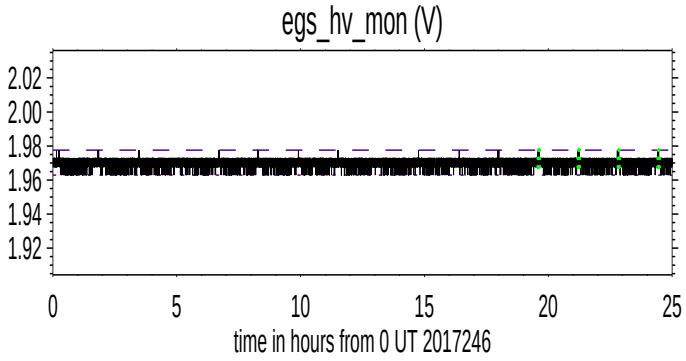
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_hv_mon (V)
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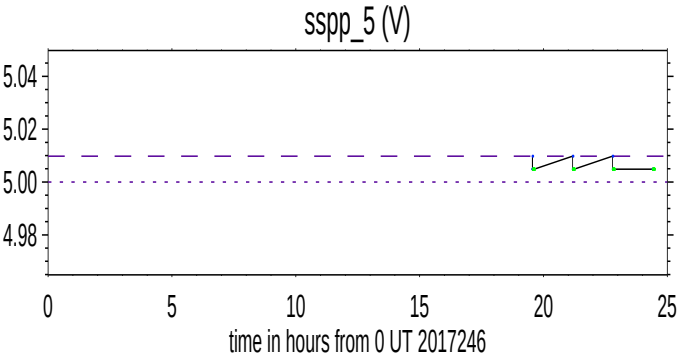
2.00
1.98
1.96
1.94
1.92
0
5
10
15
20
25
time in hours from 0 UT 2017246


sspp_5 (V)
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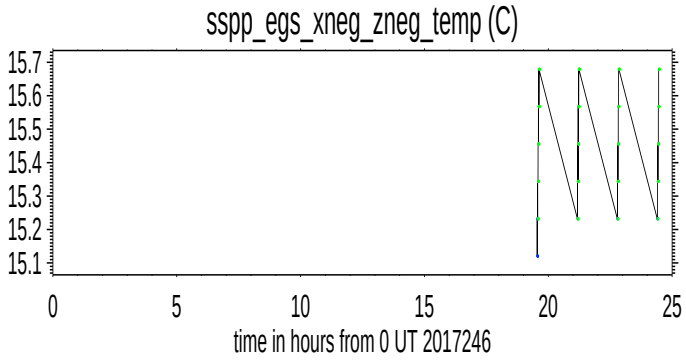
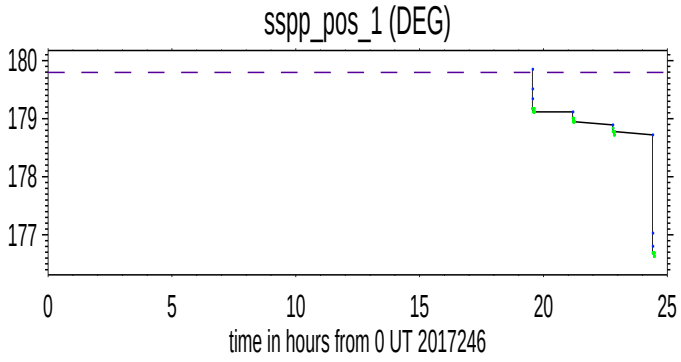
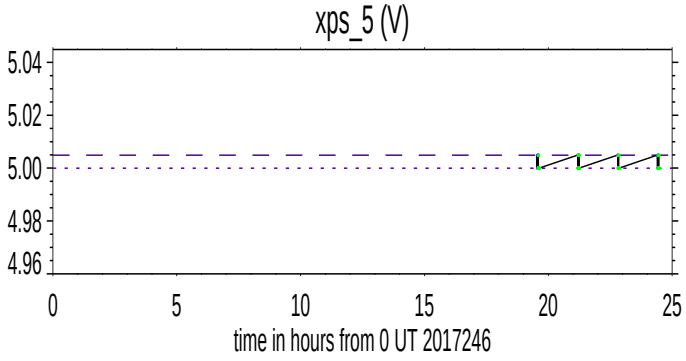
5.02
5.00
4.98
0
5
10
15
20
25
time in hours from 0 UT 2017246


sspp_egs_xneg_zneg_temp (C)
15.7
15.6
15.5
15.4
15.3
15.2
15.1
0
5
10
15
20
25
time in hours from 0 UT 2017246


sspp_pos_1 (DEG)
180
179
178
177
0
5
10
15
20
25
time in hours from 0 UT 2017246


xps_5 (V)
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5.02
5.00
4.98
4.96
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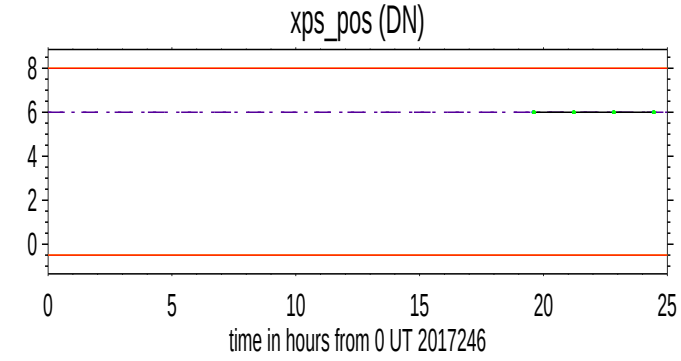
5
10
15
20
25
time in hours from 0 UT 2017246


xps_pos (DN)
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6
4
2
0
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10
15
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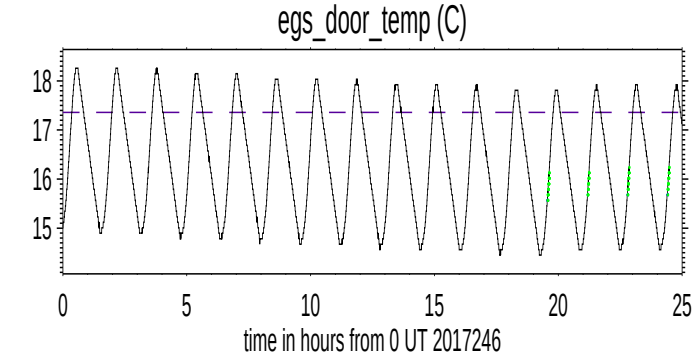
25
time in hours from 0 UT 2017246


egs_door_temp (C)
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17
16
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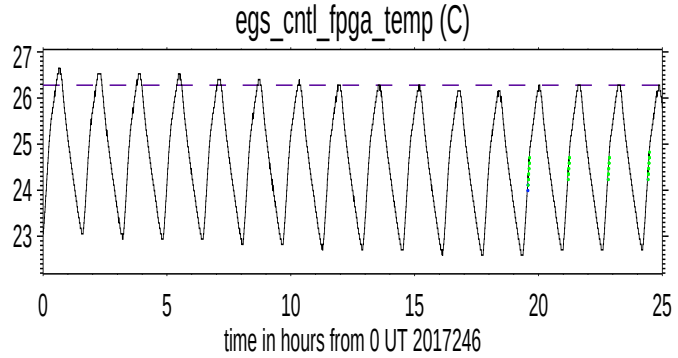
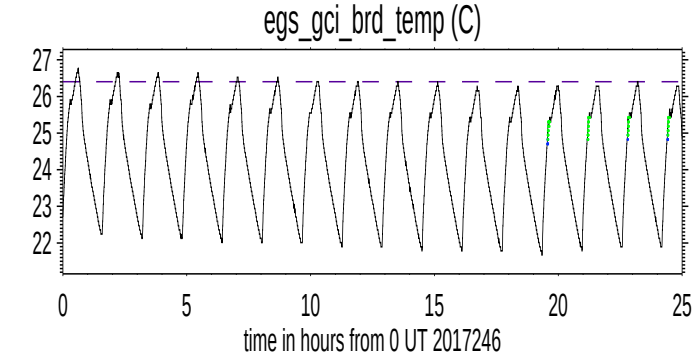
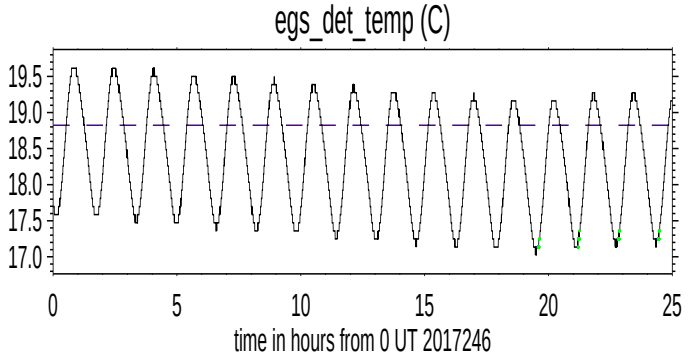
5
10
15
20
25
time in hours from 0 UT 2017246


egs_cntl_fpga_temp (C)
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_gci_brd_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_det_temp (C)
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18.5
18.0
17.5
17.0
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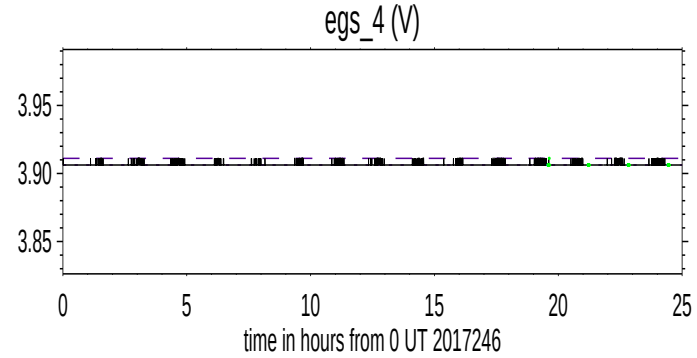
5
10
15
20
25
time in hours from 0 UT 2017246


egs_4 (V)
3.95
3.90
3.85
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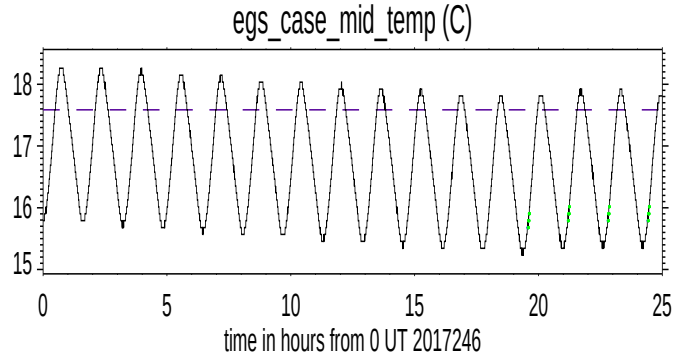
5
10
15
20
25
time in hours from 0 UT 2017246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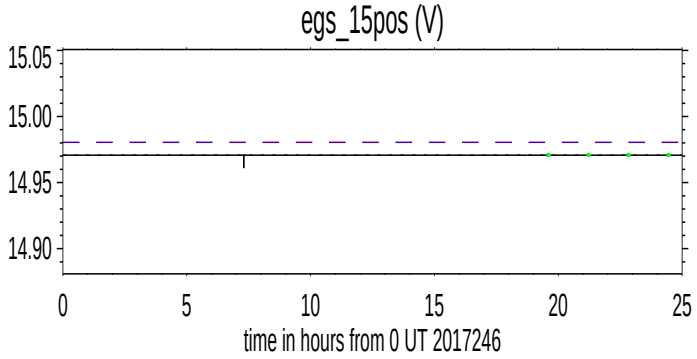
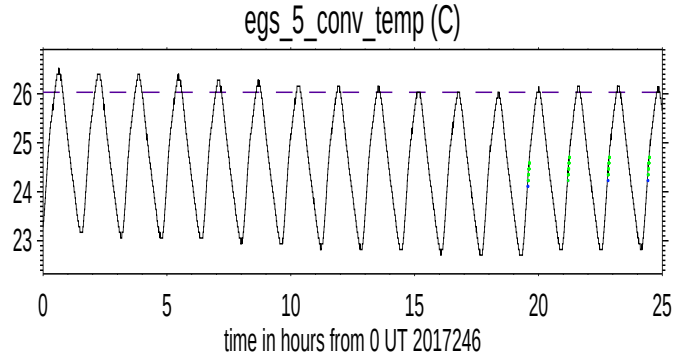
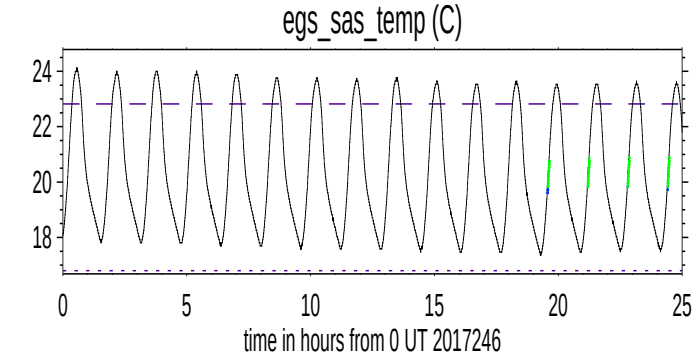
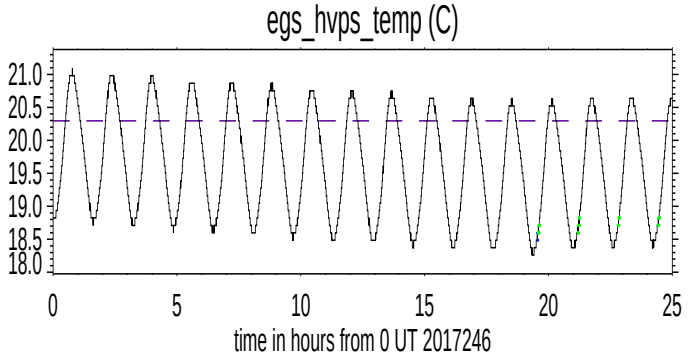
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_15pos (V)
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_5_conv_temp (C)
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_sas_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017246


egs_hvps_temp (C)
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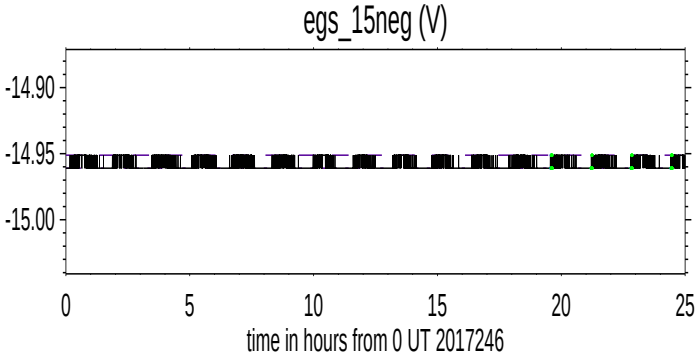
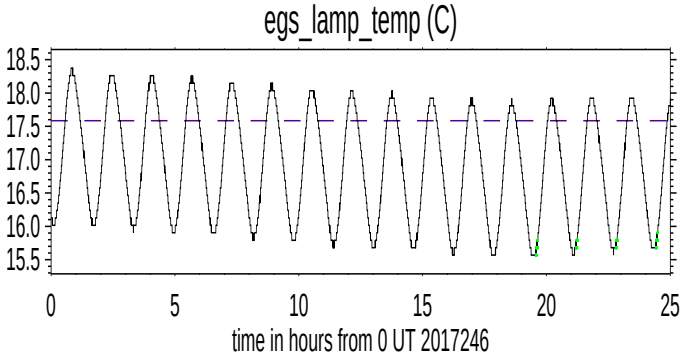
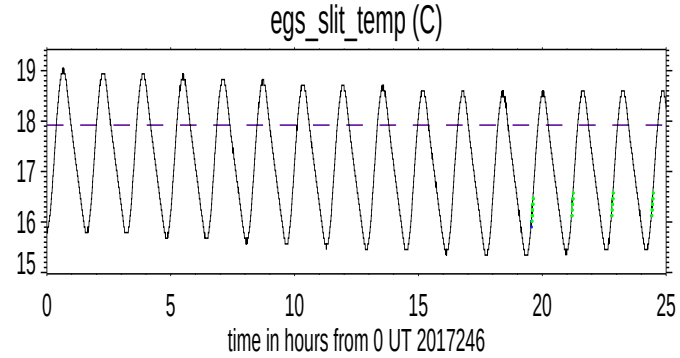
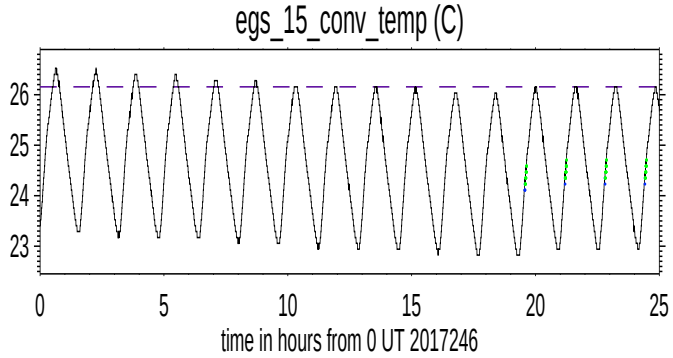
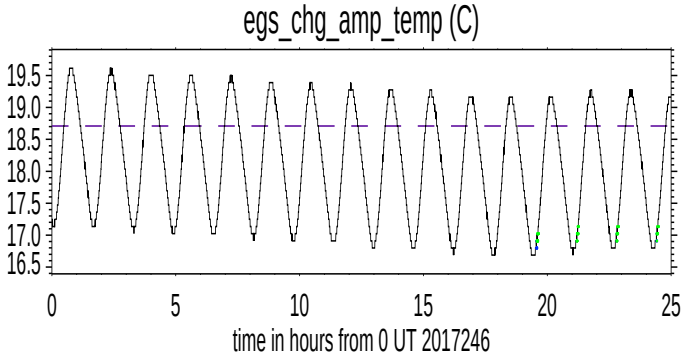
20.5
20.0
19.5
19.0
18.5
18.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

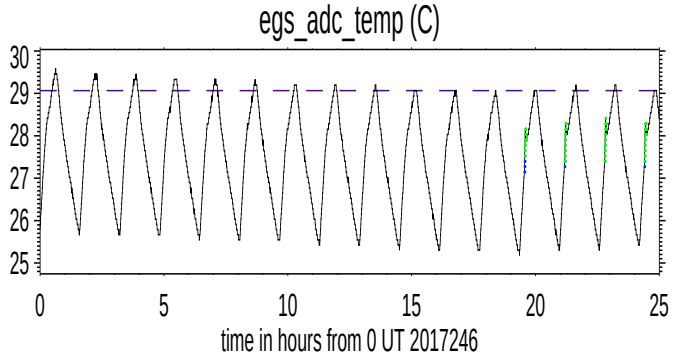

egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2017246

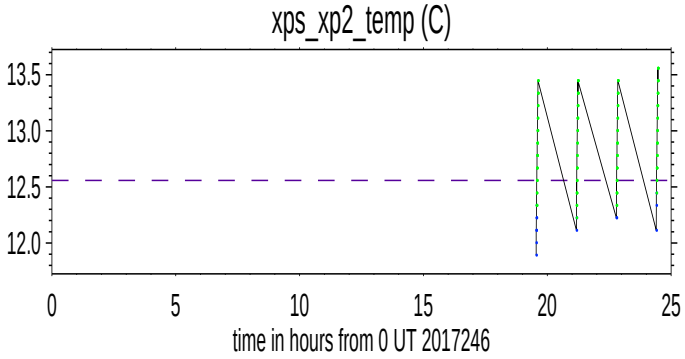

egs_lamp_temp (C)
18.5 18.0 17.5 17.0 16.5 16.0 15.5
0 5 10 15 20 25
time in hours from 0 UT 2017246

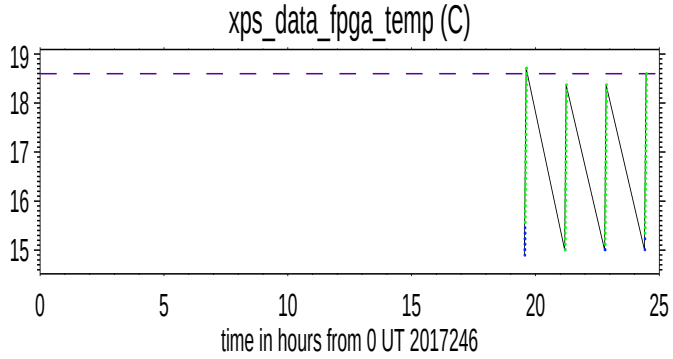

egs_slit_temp (C)
19 18 17 16 15
0 5 10 15 20 25
time in hours from 0 UT 2017246

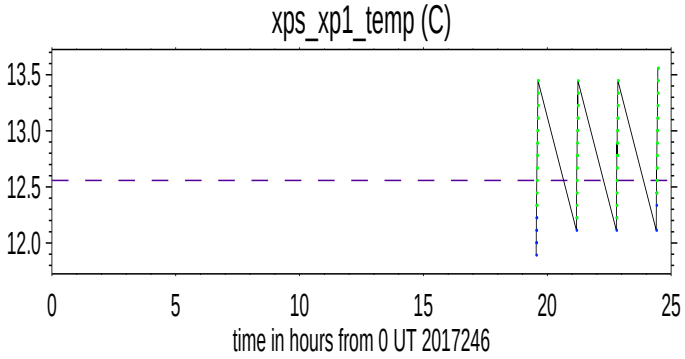

egs_15_conv_temp (C)
26 25 24 23
0 5 10 15 20 25
time in hours from 0 UT 2017246


egs_chg_amp_temp (C)
19.5 19.0 18.5 18.0 17.5 17.0 16.5
0 5 10 15 20 25
time in hours from 0 UT 2017246


egs_adc_temp (C)
30 29 28 27 26 25
0 5 10 15 20 25
time in hours from 0 UT 2017246


xps_xp2_temp (C)
13.5 13.0 12.5 12.0
0 5 10 15 20 25
time in hours from 0 UT 2017246


xps_data_fpga_temp (C)
19 18 17 16 15
0 5 10 15 20 25
time in hours from 0 UT 2017246


xps_xp1_temp (C)
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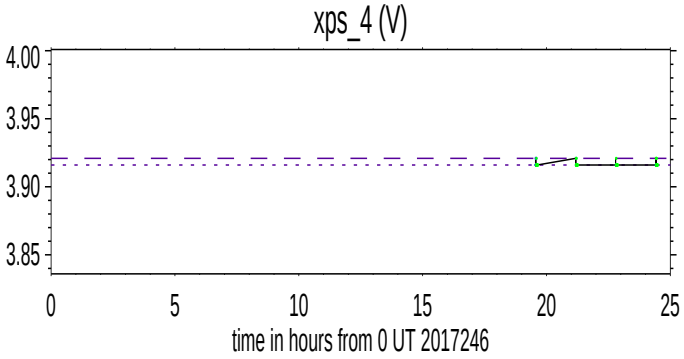
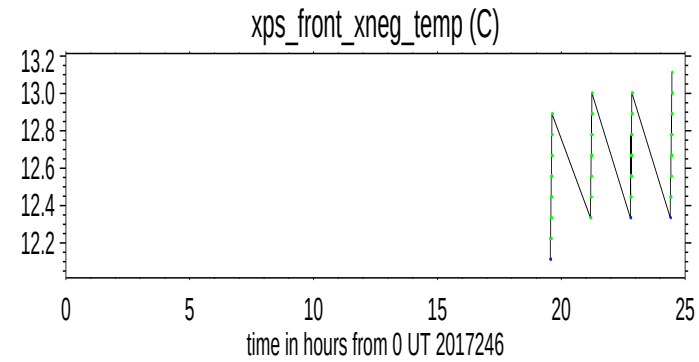
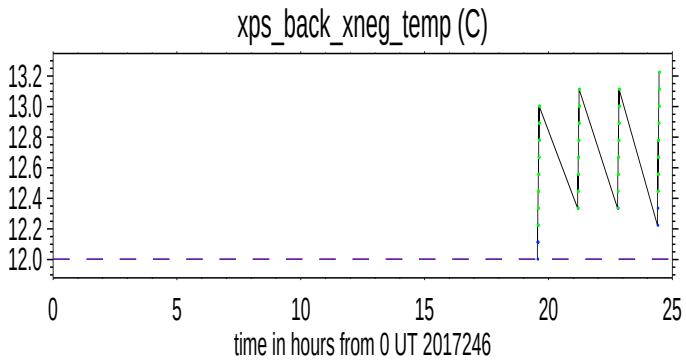
0 5 10 15 20 25
time in hours from 0 UT 2017246


xps_4 (V)
4.00 3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2017246


xps_front_xneg_temp (C)
13.2
13.0
12.8
12.6
12.4
12.2
0
5
10
15
20
25
time in hours from 0 UT 2017246


xps_back_xneg_temp (C)
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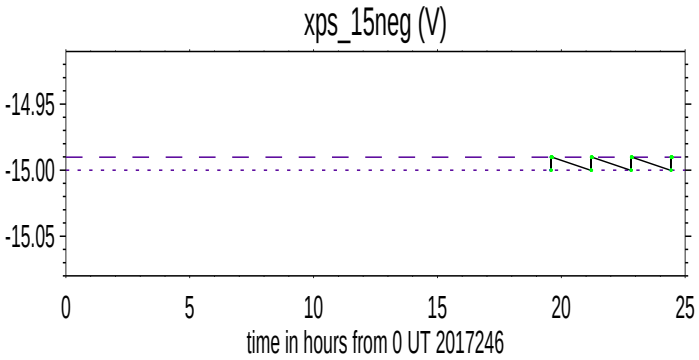
13.0
12.8
12.6
12.4
12.2
12.0
0
5
10
15
20
25
time in hours from 0 UT 2017246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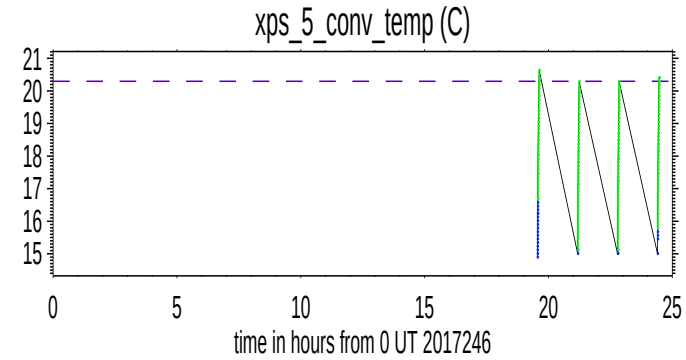
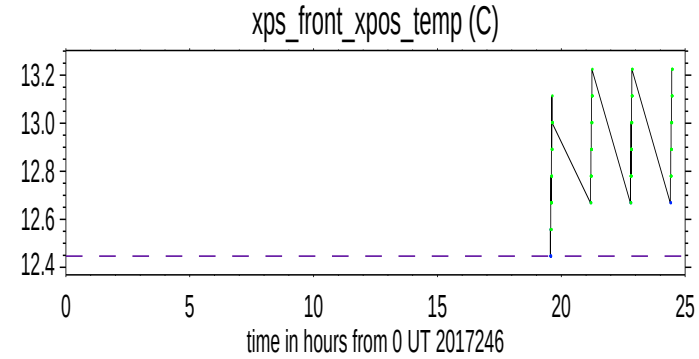
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2017246


xps_5_conv_temp (C)
21
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2017246


xps_front_xpos_temp (C)
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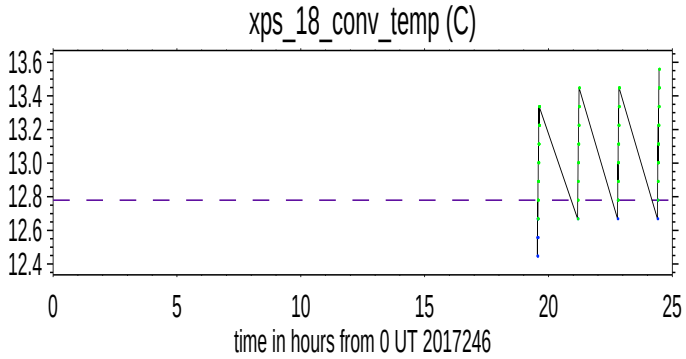
13.0
12.8
12.6
12.4
0
5
10
15
20
25
time in hours from 0 UT 2017246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13.4
13.2
13.0
12.8
12.6
12.4
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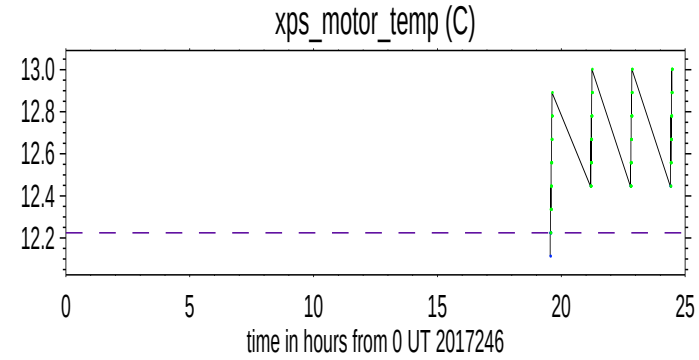
5
10
15
20
25
time in hours from 0 UT 2017246


xps_motor_temp (C)
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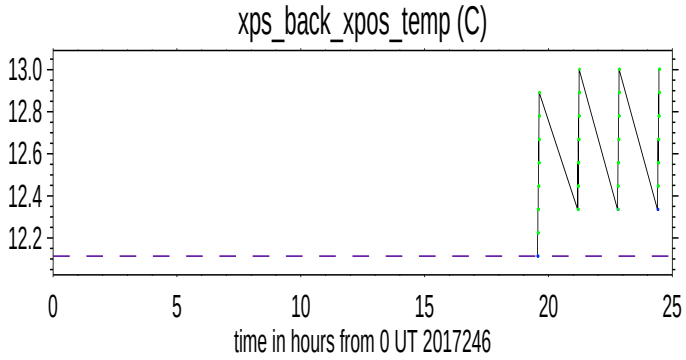
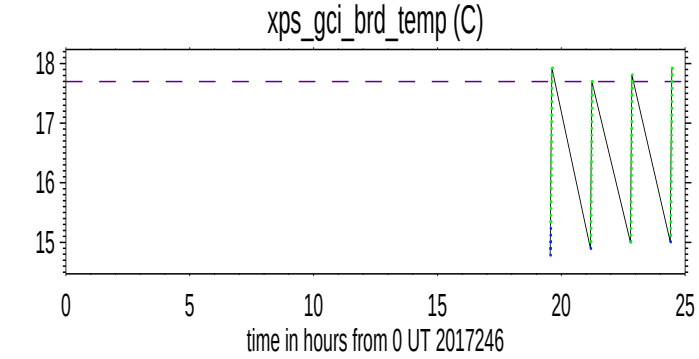
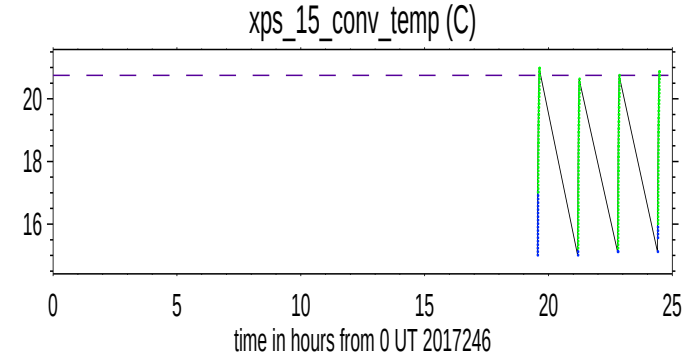
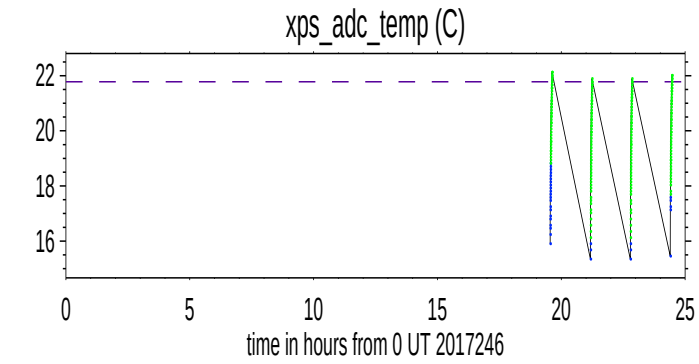
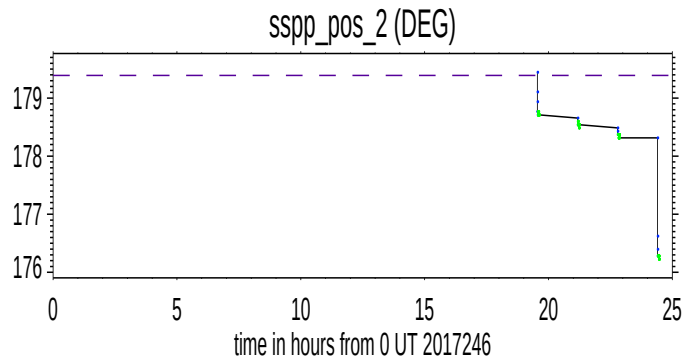
12.8
12.6
12.4
12.2
0
5
10
15
20
25
time in hours from 0 UT 2017246

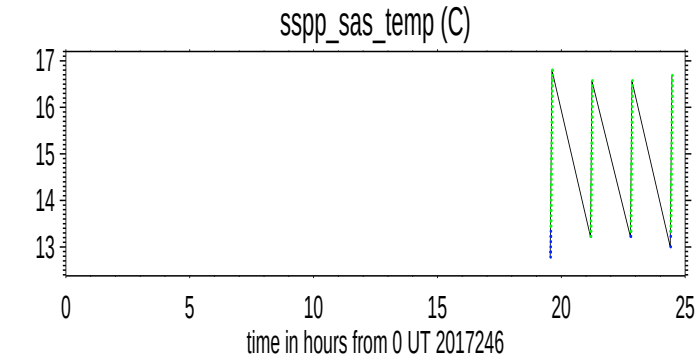

xps_back_xpos_temp (C)
13.0
12.8
12.6
12.4
12.2
0
5
10
15
20
25
time in hours from 0 UT 2017246

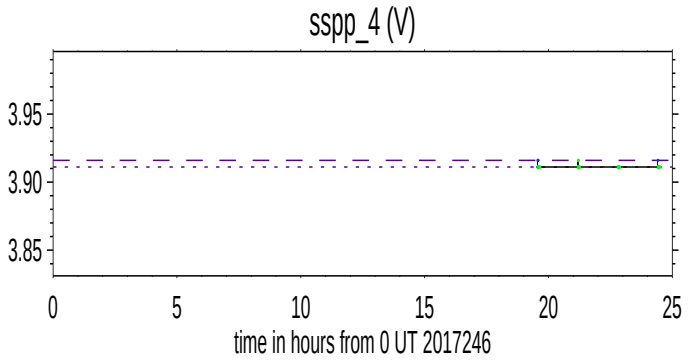

xps_gci_brd_temp (C)
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2017246

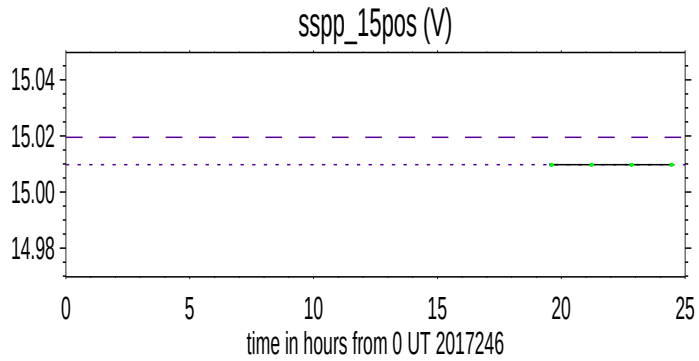

xps_15_conv_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017246

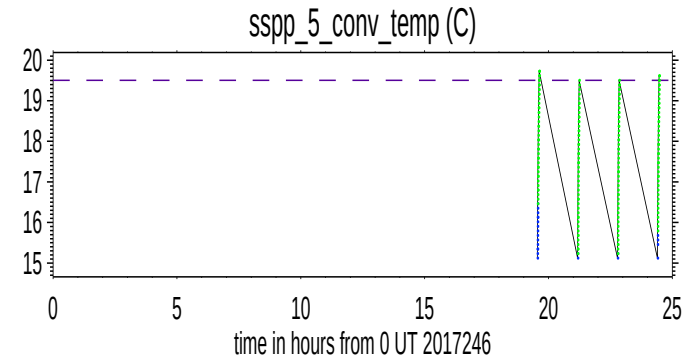

xps_adc_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017246

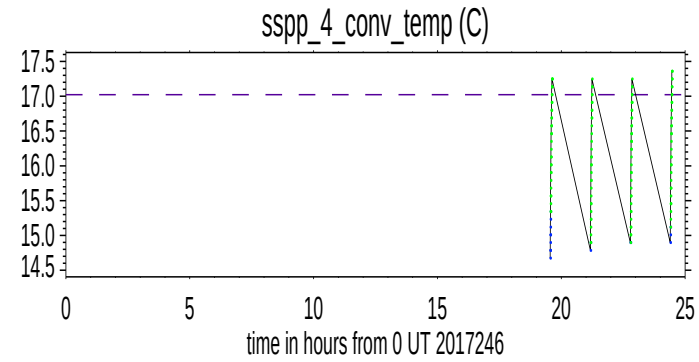

sspp_pos_2 (DEG)
179
178
177
176
0
5
10
15
20
25
time in hours from 0 UT 2017246

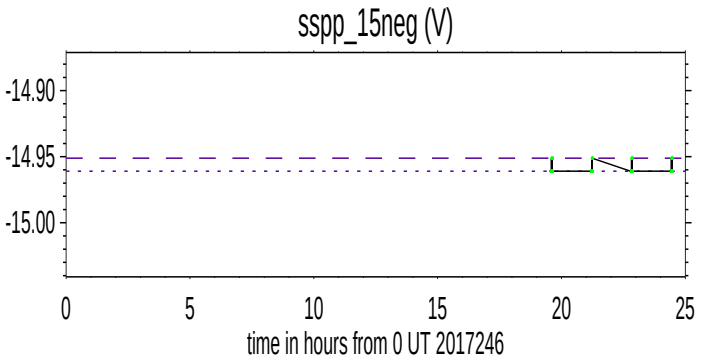

sspp_sas_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017246

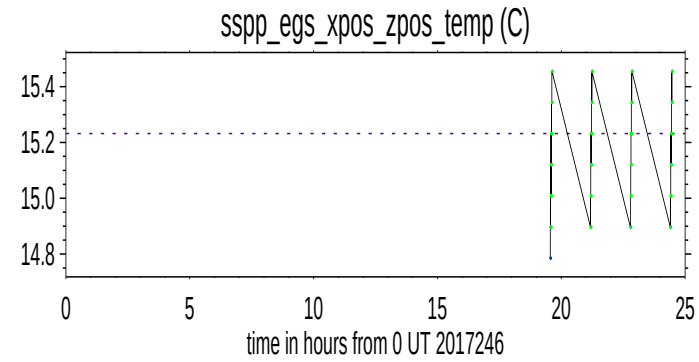

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017246

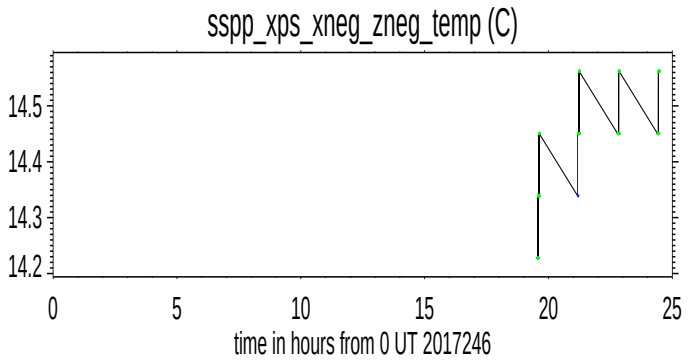

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2017246

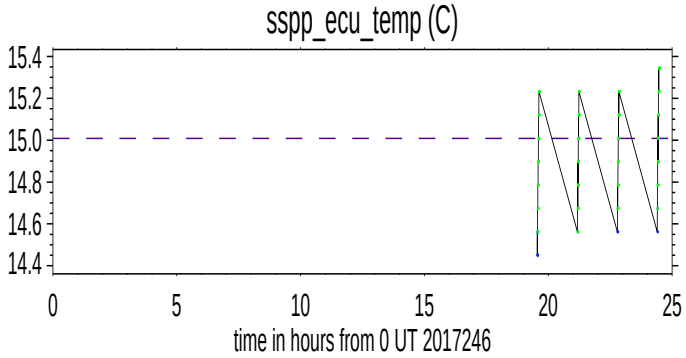

sspp_5_conv_temp (C)
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2017246

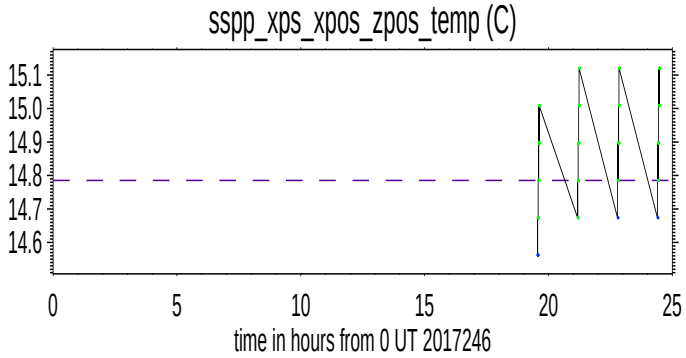

sspp_4_conv_temp (C)
17.5
17.0
16.5
16.0
15.5
15.0
14.5
0
5
10
15
20
25
time in hours from 0 UT 2017246

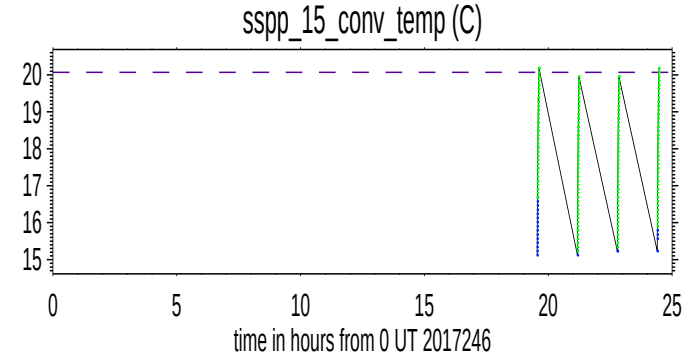

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017246

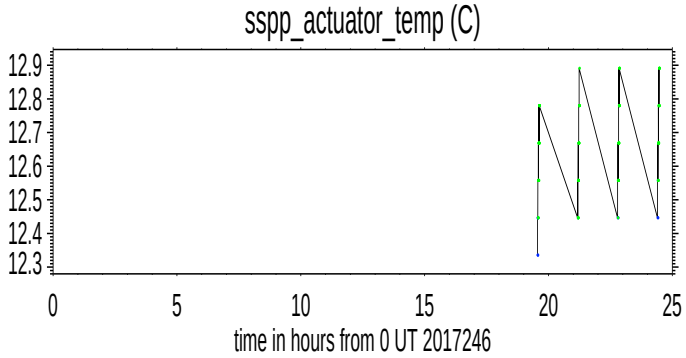

sspp_egs_xpos_zpos_temp (C)
15.4
15.2
15.0
14.8
0
5
10
15
20
25
time in hours from 0 UT 2017246

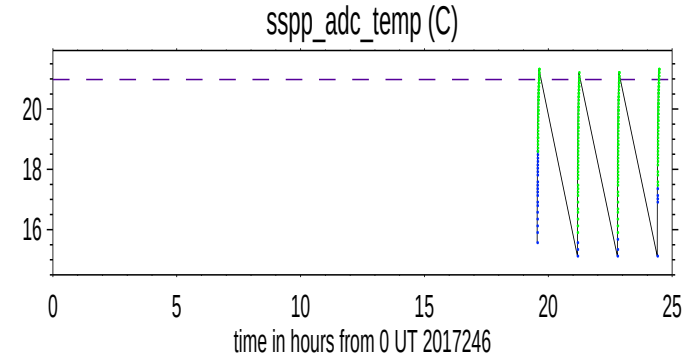

sspp_xps_xneg_zneg_temp (C)
14.5
14.4
14.3
14.2
0
5
10
15
20
25
time in hours from 0 UT 2017246

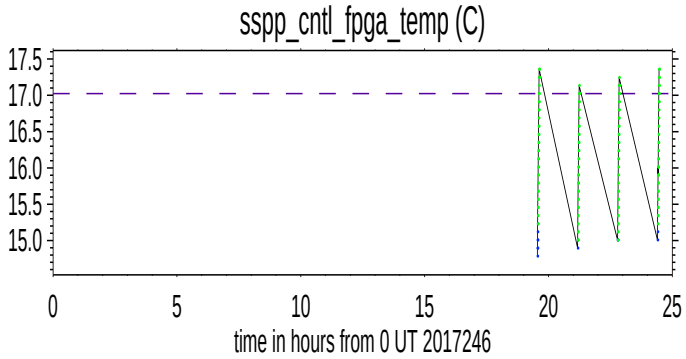

sspp_ecu_temp (C)
15.4
15.2
15.0
14.8
14.6
14.4
0
5
10
15
20
25
time in hours from 0 UT 2017246

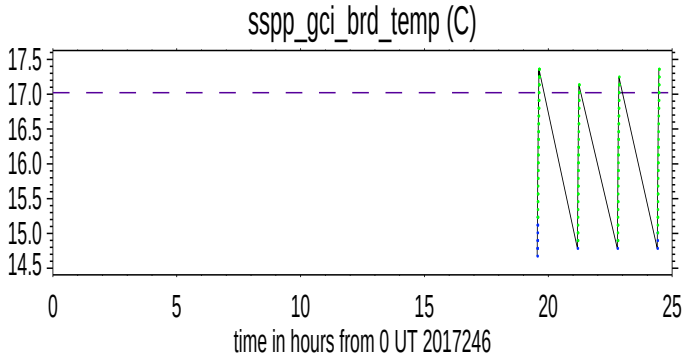

sspp_xps_xpos_zpos_temp (C)
15.1
15.0
14.9
14.8
14.7
14.6
0
5
10
15
20
25
time in hours from 0 UT 2017246

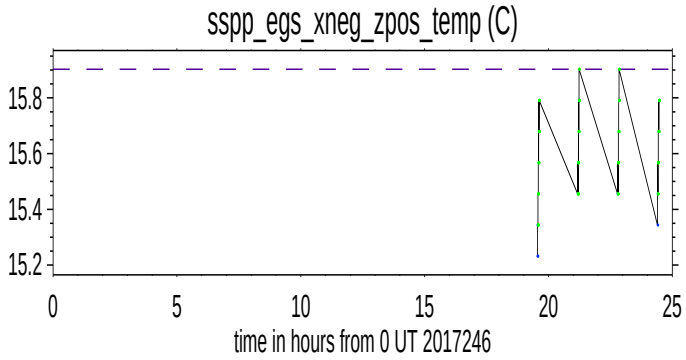

sspp_15_conv_temp (C)
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2017246

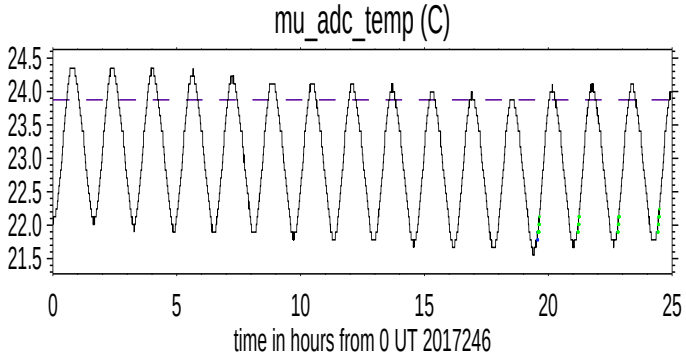

sspp_actuator_temp (C)
12.9
12.8
12.7
12.6
12.5
12.4
12.3
0
5
10
15
20
25
time in hours from 0 UT 2017246

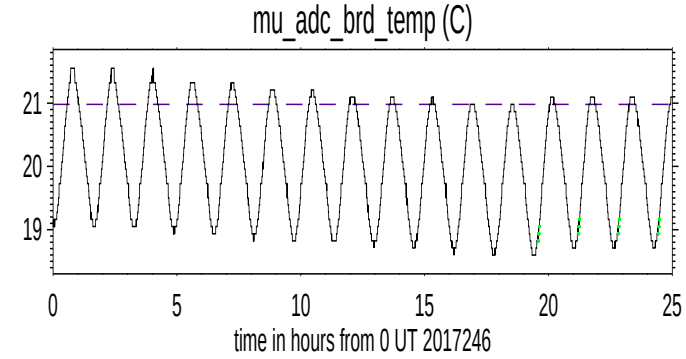

sspp_adc_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017246

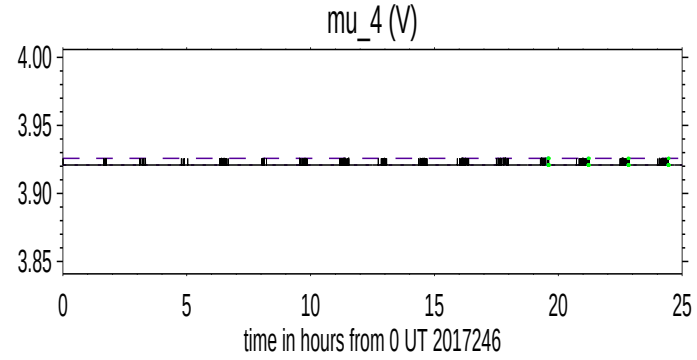

sspp_cntl_fpga_temp (C)
17.5
17.0
16.5
16.0
15.5
15.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

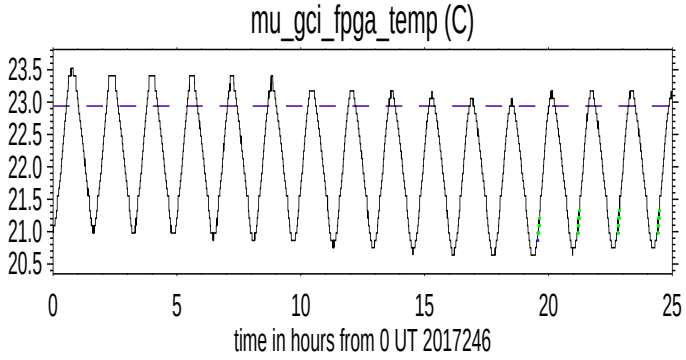

sspp_gci_brd_temp (C)
17.5
17.0
16.5
16.0
15.5
15.0
14.5
0
5
10
15
20
25
time in hours from 0 UT 2017246

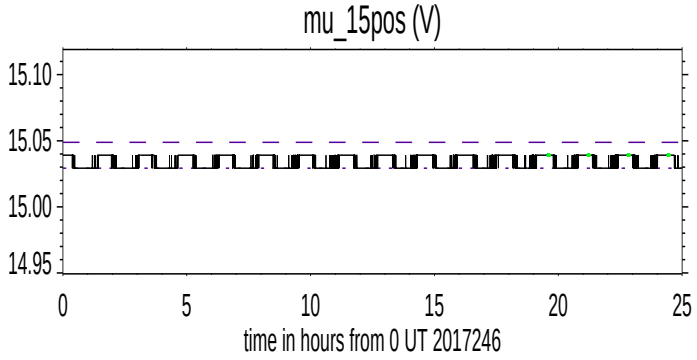

sspp_egs_xneg_zpos_temp (C)
15.8
15.6
15.4
15.2
0
5
10
15
20
25
time in hours from 0 UT 2017246

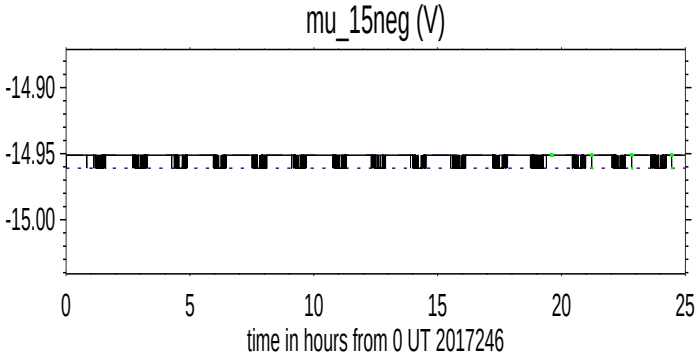

mu_adc_temp (C)
24.5
24.0
23.5
23.0
22.5
22.0
21.5
0
5
10
15
20
25
time in hours from 0 UT 2017246

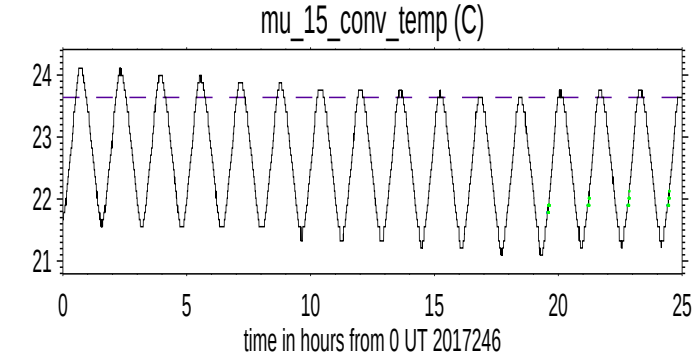

mu_adc_brd_temp (C)
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2017246

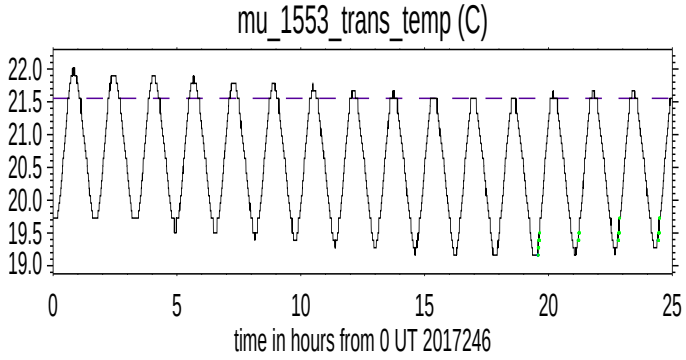

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017246

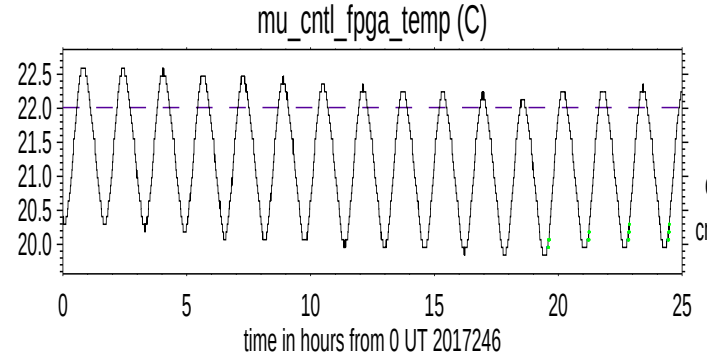

mu_gci_fpga_temp (C)
23.5
23.0
22.5
22.0
21.5
21.0
20.5
0
5
10
15
20
25
time in hours from 0 UT 2017246

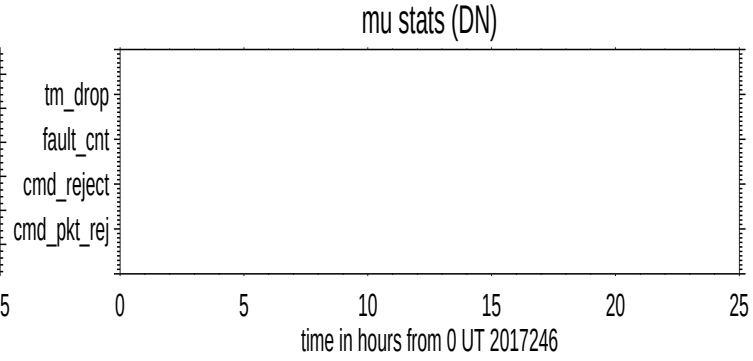

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2017246

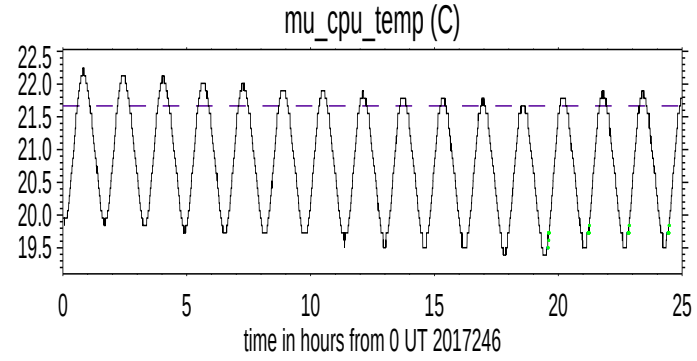

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017246

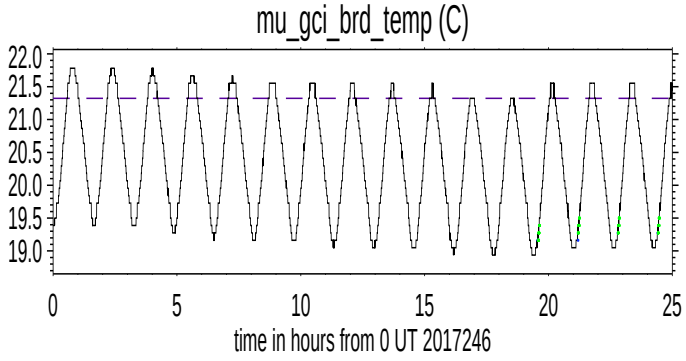

mu_15_conv_temp (C)
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2017246

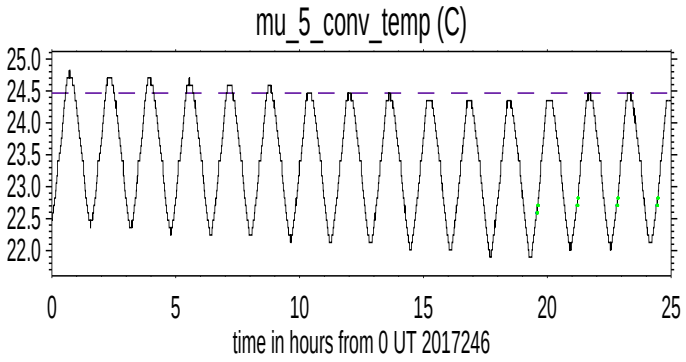

mu_1553_trans_temp (C)
22.0
21.5
21.0
20.5
20.0
19.5
19.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

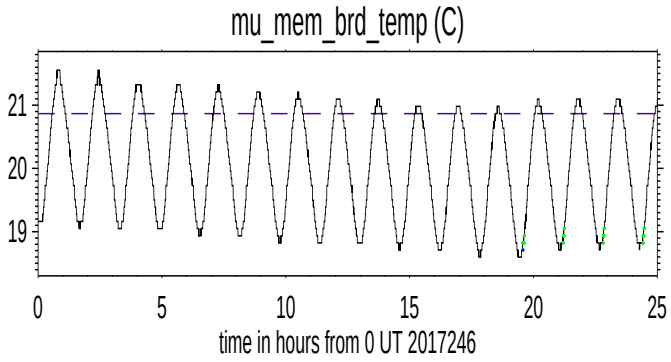

mu_cntl_fpga_temp (C)
22.5
22.0
21.5
21.0
20.5
20.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

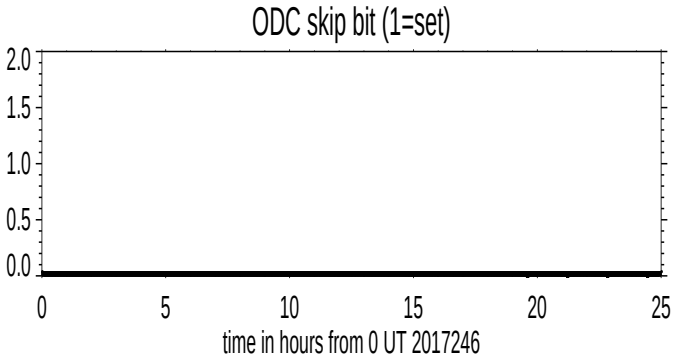

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2017246

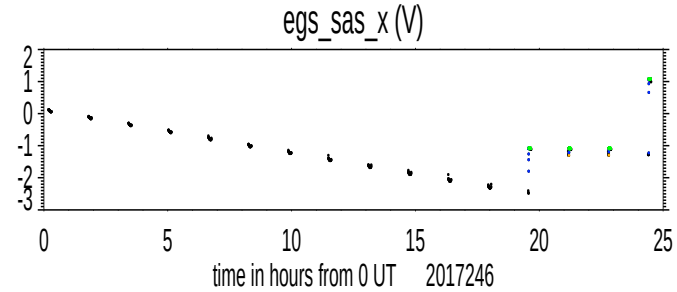

mu_cpu_temp (C)
22.5
22.0
21.5
21.0
20.5
20.0
19.5
0
5
10
15
20
25
time in hours from 0 UT 2017246

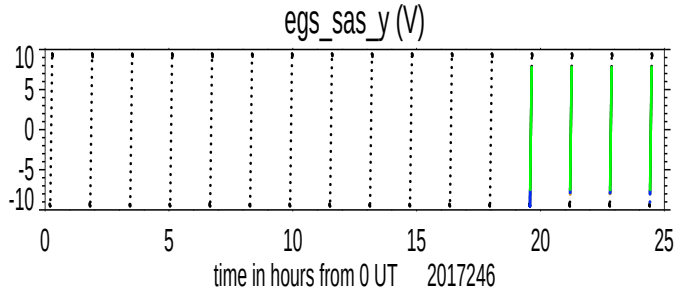

mu_gci_brd_temp (C)
22.0
21.5
21.0
20.5
20.0
19.5
19.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

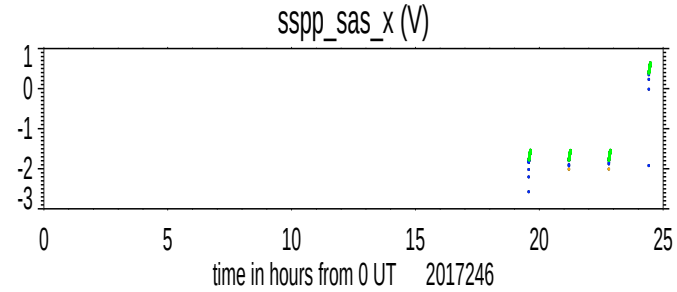

mu_5_conv_temp (C)
25.0
24.5
24.0
23.5
23.0
22.5
22.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

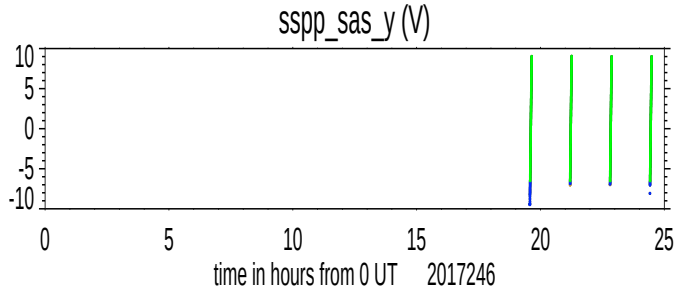

mu_mem_brd_temp (C)
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2017246

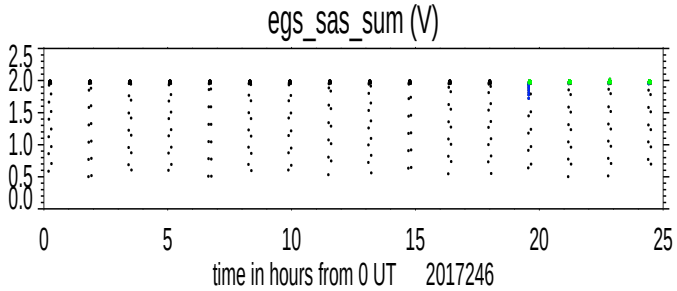

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017246

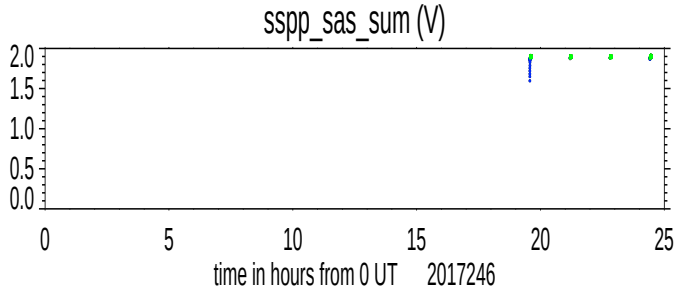

egs_sas_x (V)
time in hours from 0 UT 2017246

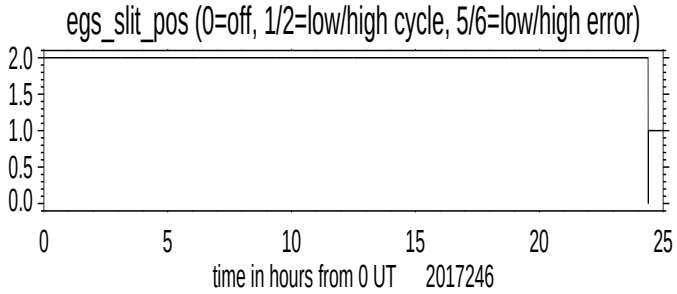

egs_sas_y (V)
time in hours from 0 UT 2017246

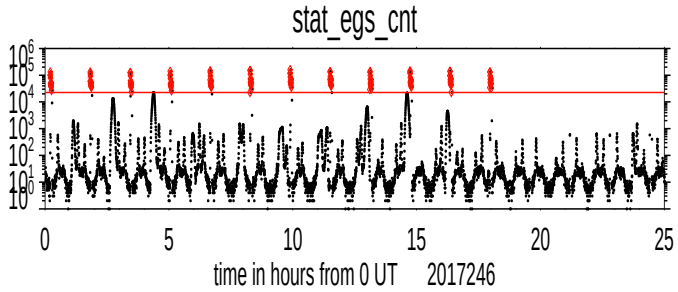

sspp_sas_x (V)
time in hours from 0 UT 2017246

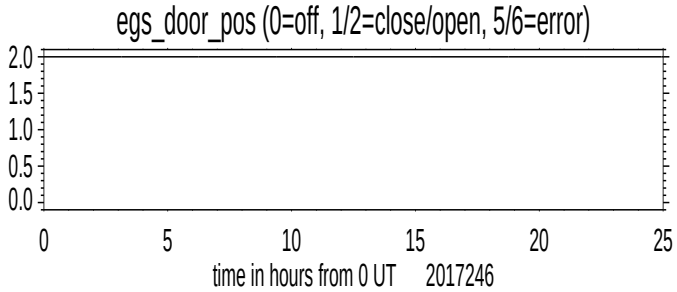

sspp_sas_y (V)
time in hours from 0 UT 2017246

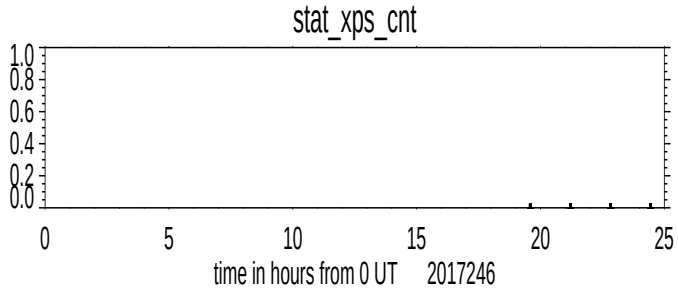

egs_sas_sum (V)
time in hours from 0 UT 2017246

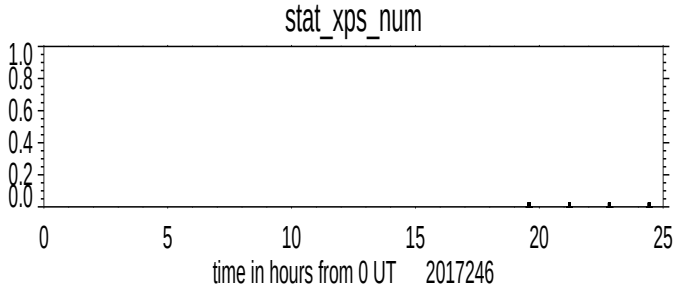

sspp_sas_sum (V)
time in hours from 0 UT 2017246

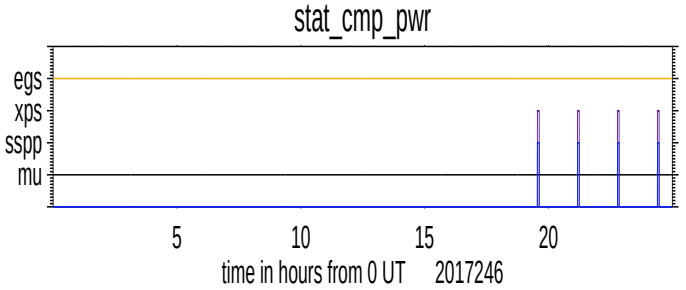

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2017246


stat_egs_cnt
time in hours from 0 UT 2017246

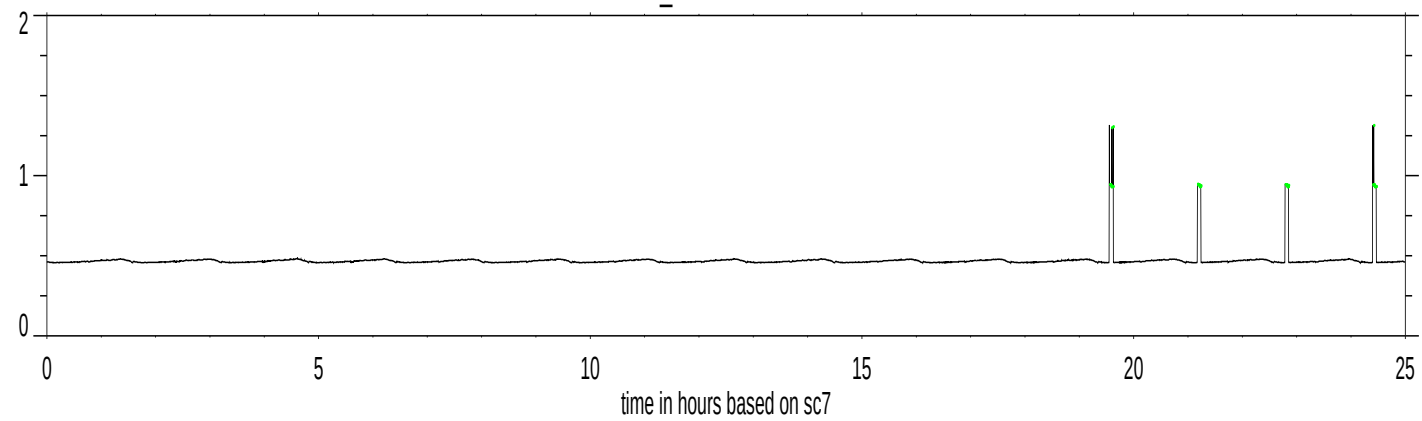

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2017246


stat_xps_cnt
time in hours from 0 UT 2017246

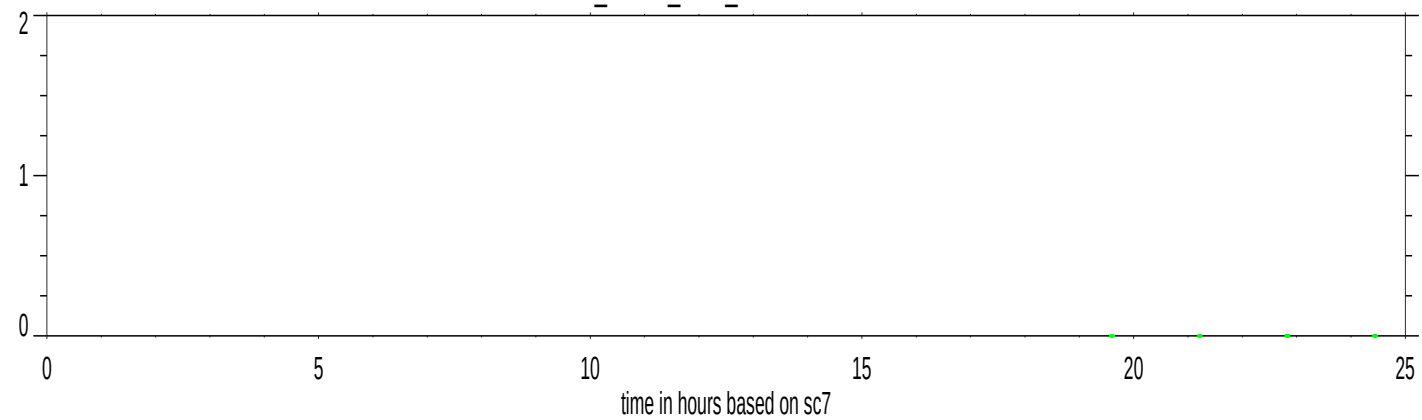

stat_xps_num
time in hours from 0 UT 2017246


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2017246

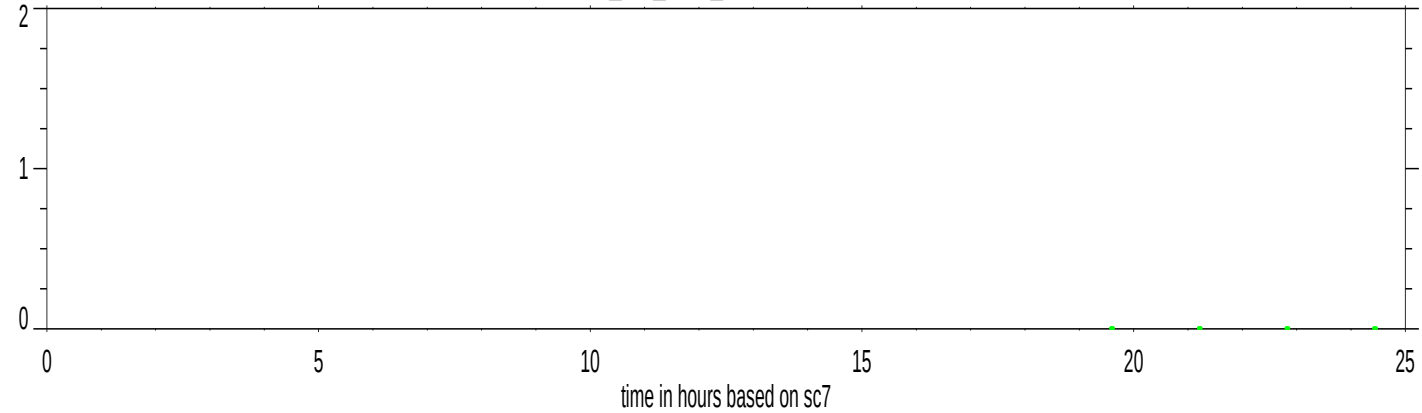
SEE_CUR 2017246



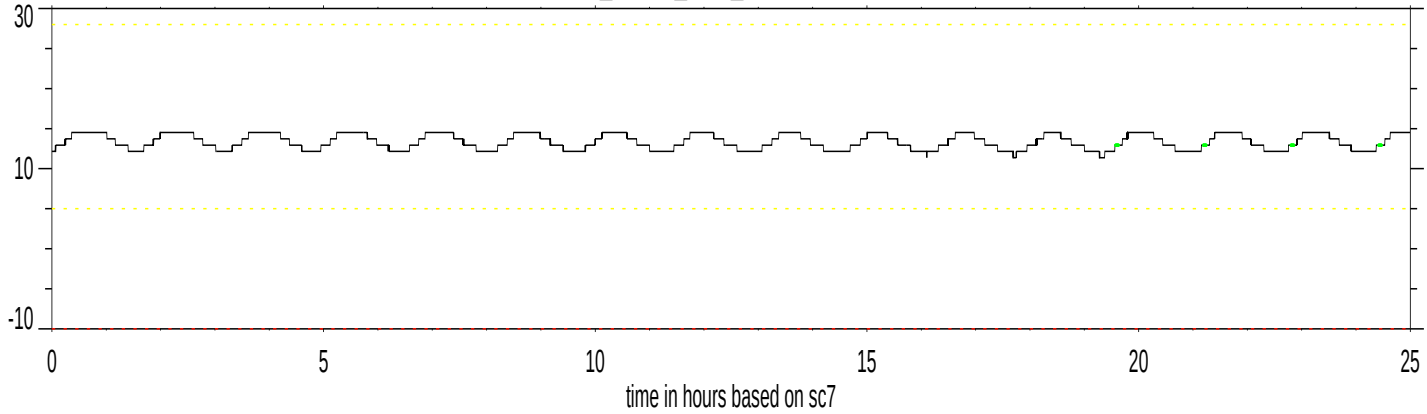
SEE_SURV_HTR_CUR 2017246

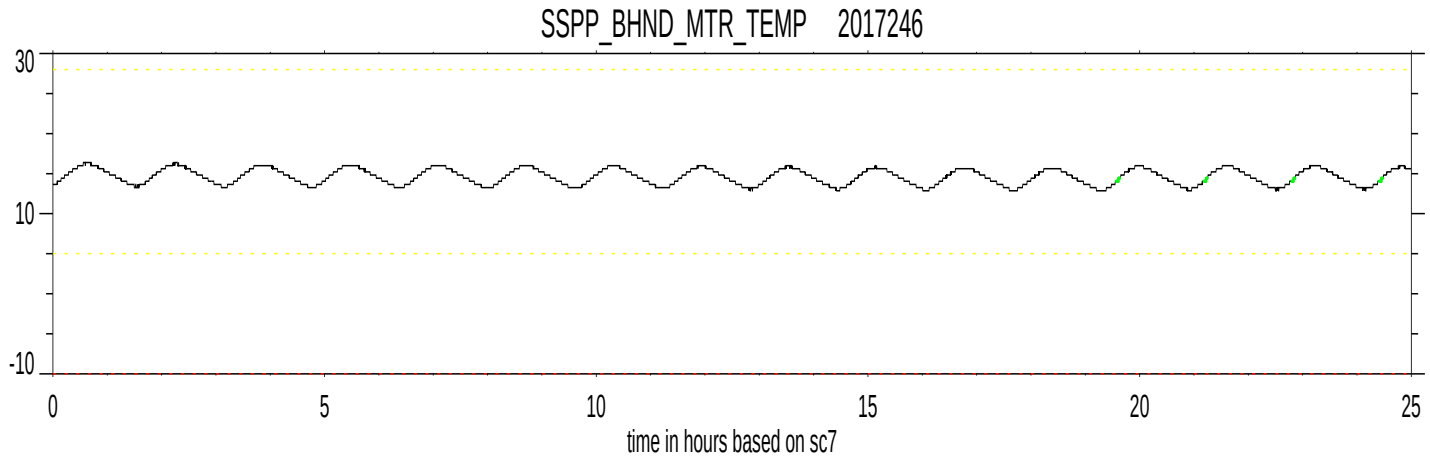


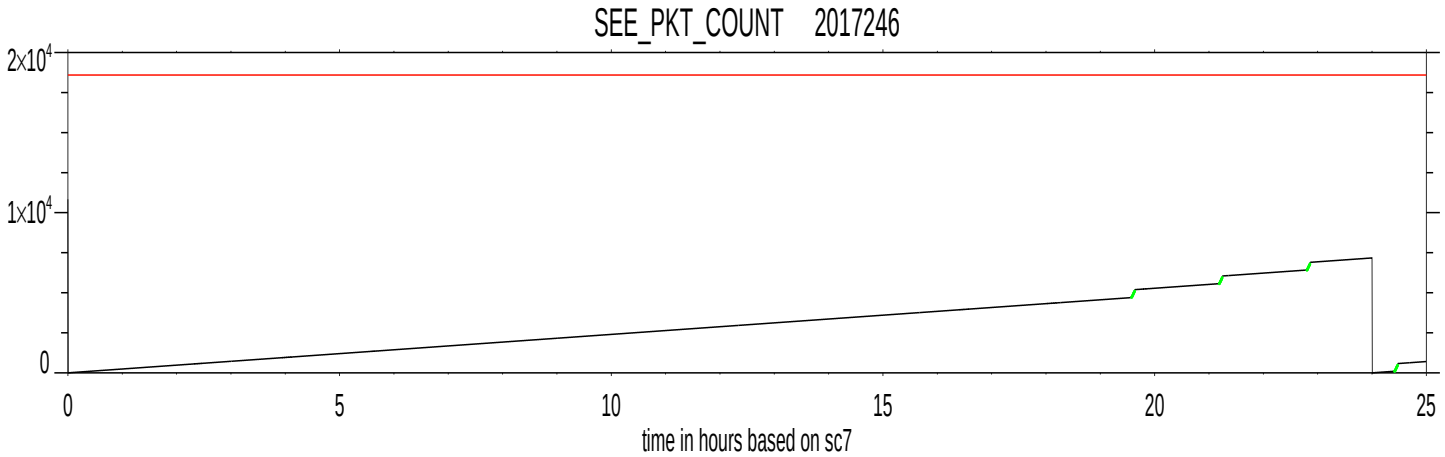
SEE_OP_HTR_CUR 2017246

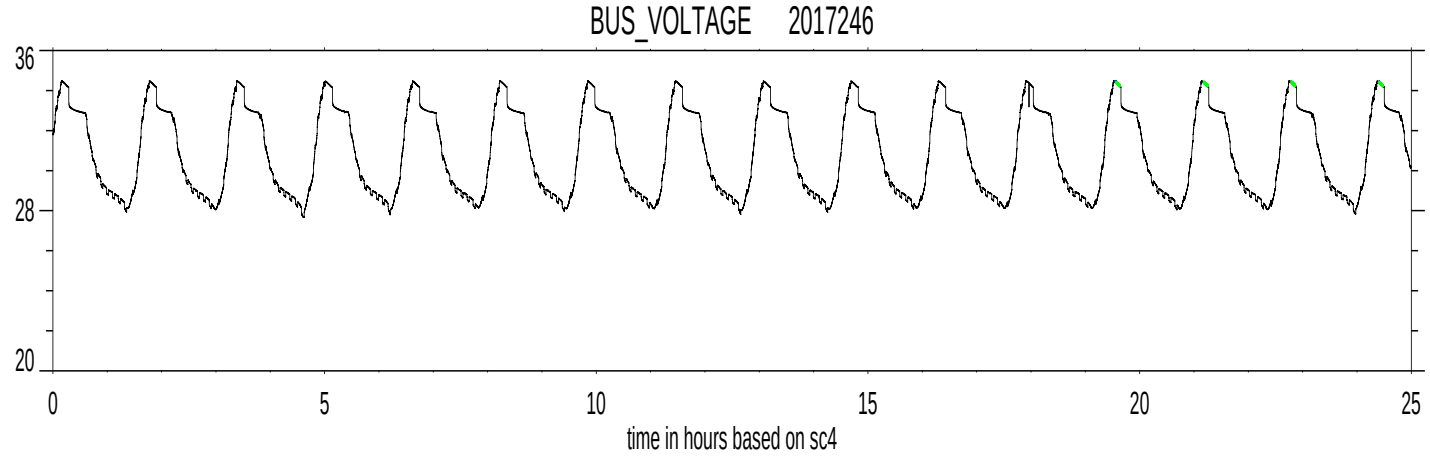


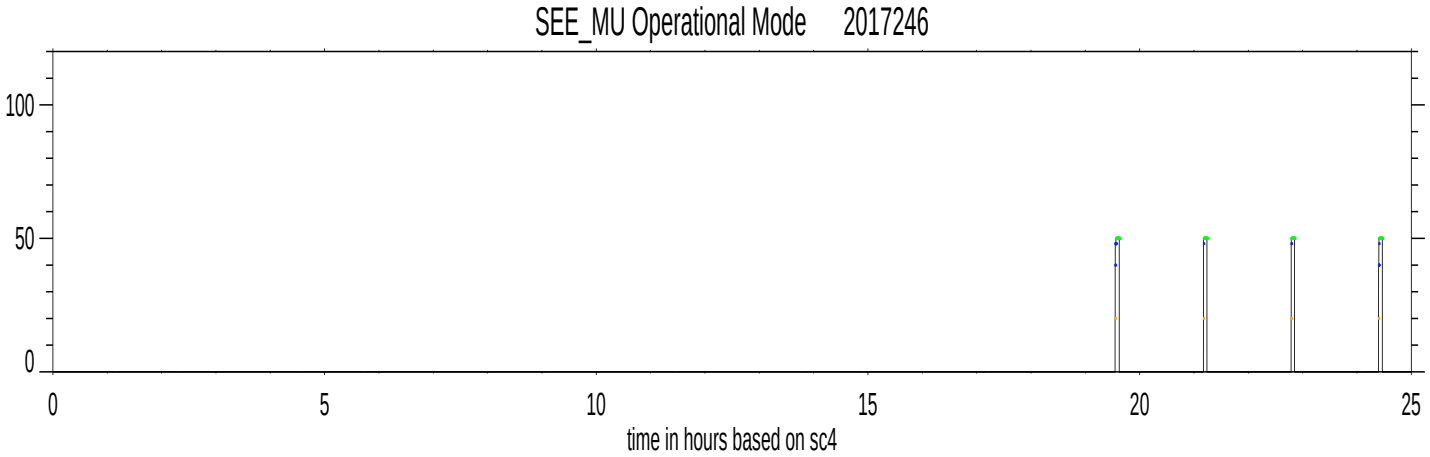
SSPP_BHND_XPS_TEMP 2017246

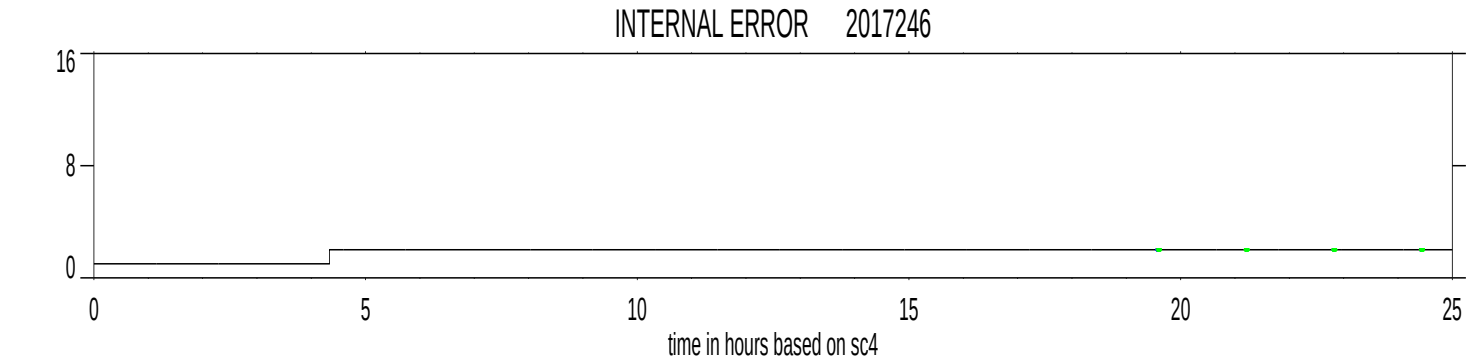


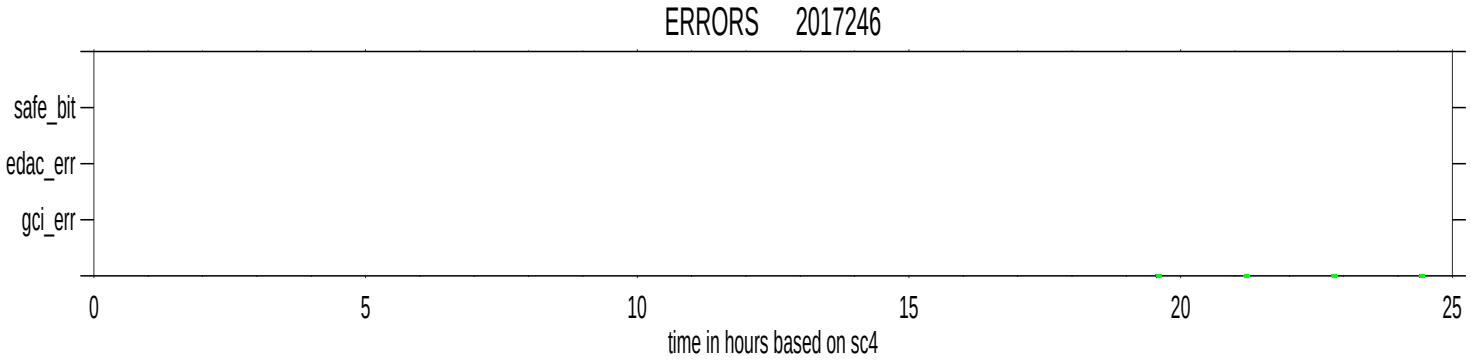

SSPP_BHND_MTR_TEMP 2017246
30
10
-10
0
5
10
15
20
25
time in hours based on sc7

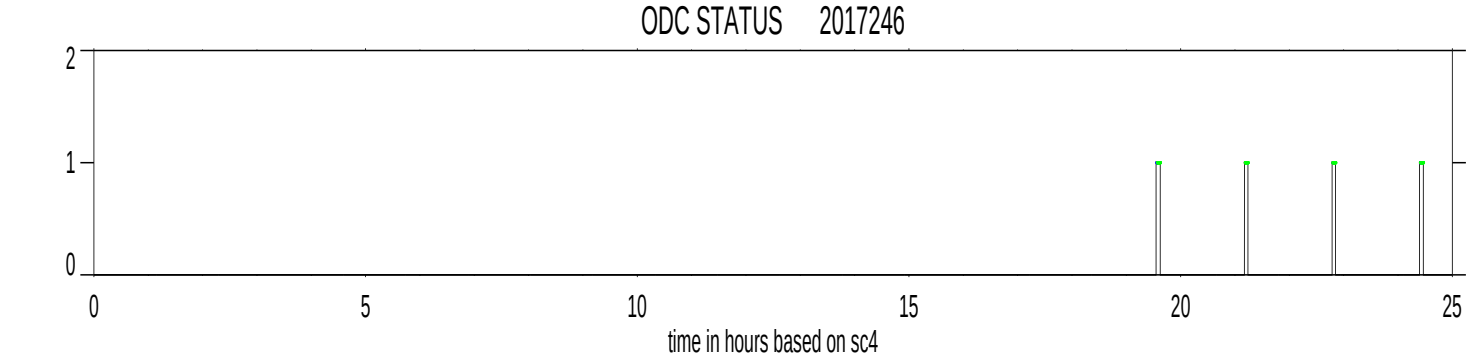

SEE_PKT_COUNT 2017246
2×10^4
1×10^4
0
0
5
10
15
20
25
time in hours based on sc7

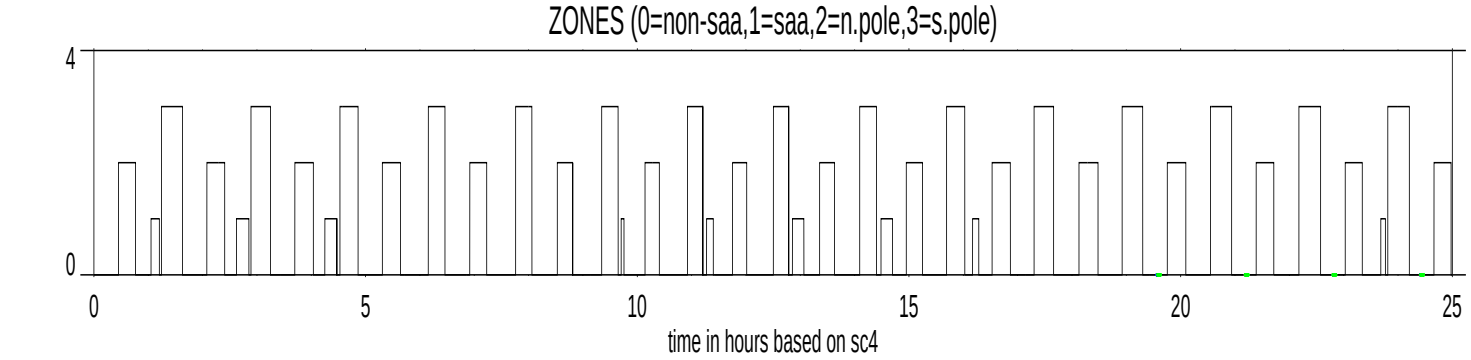

BUS_VOLTAGE 2017246
36
28
20
0
5
10
15
20
25
time in hours based on sc4

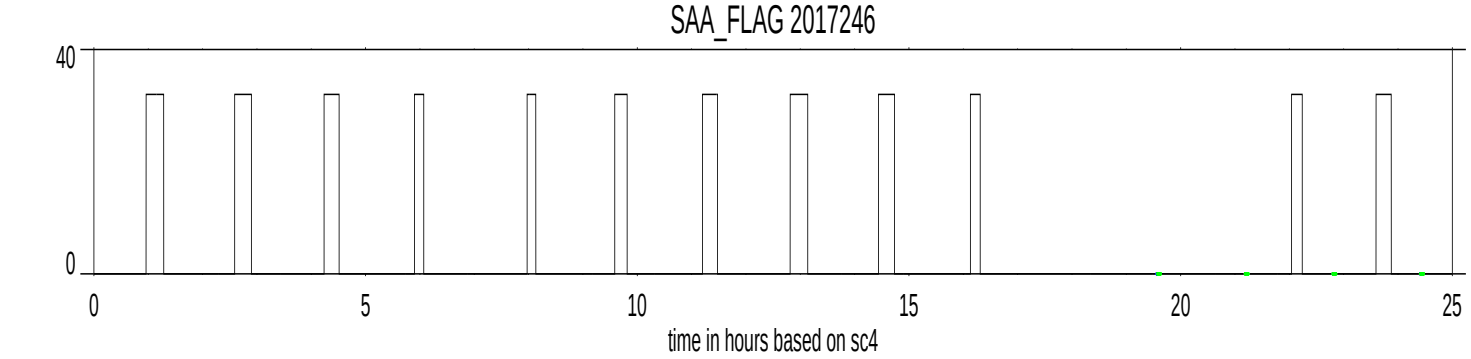

SEE_MU Operational Mode 2017246
100
50
0
0
5
10
15
20
25
time in hours based on sc4

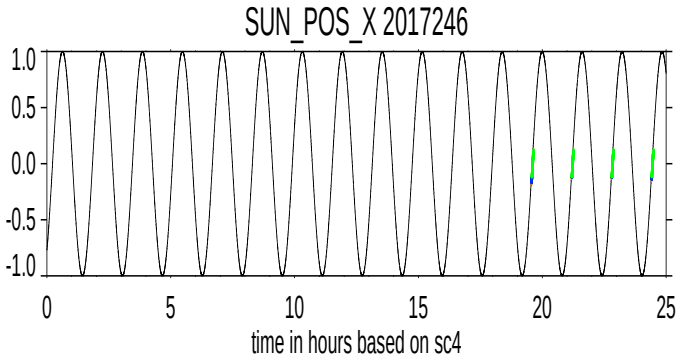

INTERNAL ERROR 2017246
16
8
0
0
5
10
15
20
25
time in hours based on sc4

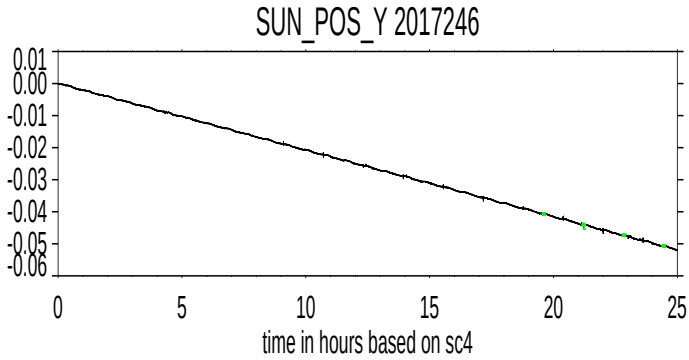

ERRORS 2017246
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

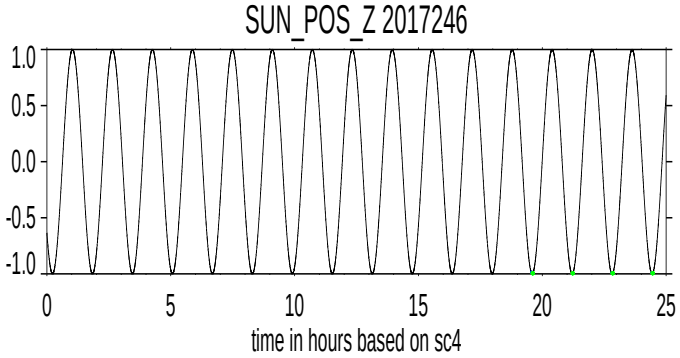

ODC STATUS 2017246
2
1
0
0
5
10
15
20
25
time in hours based on sc4

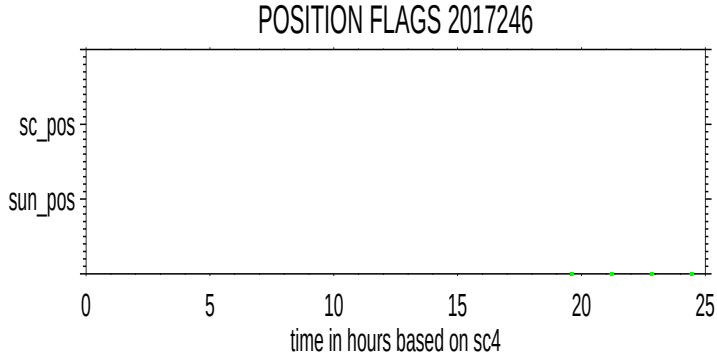

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

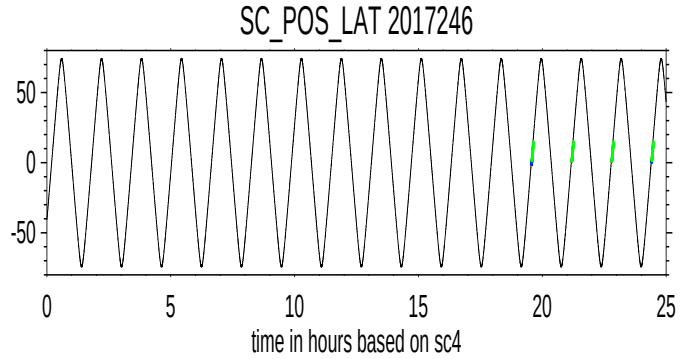

SAA_FLAG 2017246
40
0
0
5
10
15
20
25
time in hours based on sc4

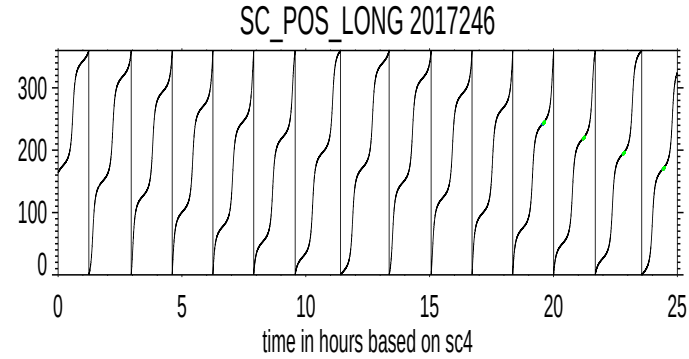

SUN_POS_X 2017246
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

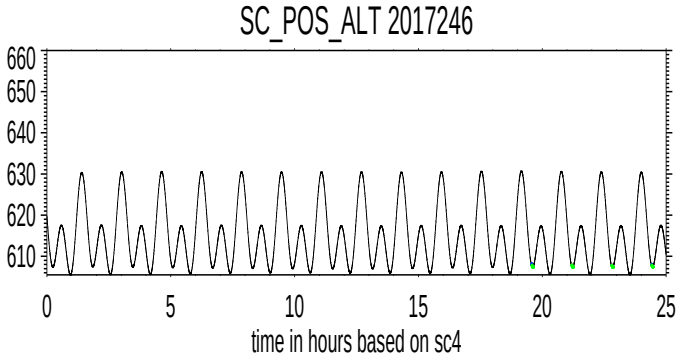

SUN_POS_Y 2017246
0.01
0.00
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
0
5
10
15
20
25
time in hours based on sc4

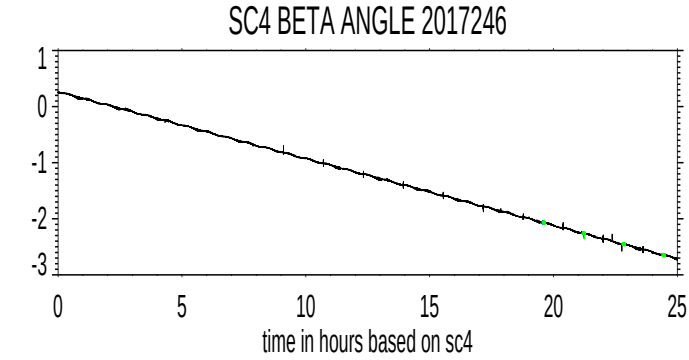

SUN_POS_Z 2017246
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2017246
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2017246
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2017246
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2017246
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2017246
1
0
-1
-2
-3
0
5
10
15
20
25
time in hours based on sc4