```
Information for      2017330
06:26:42.001: see_stat[1]: 9 internal error
10:10:32.001: see_stat[1]: 10 internal error
22:02:36.002: see_stat[1]: 11 internal error
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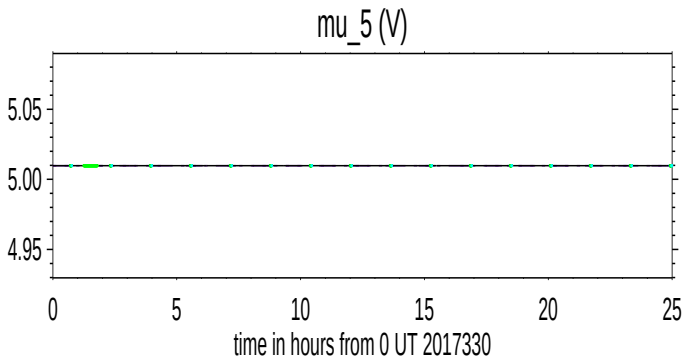
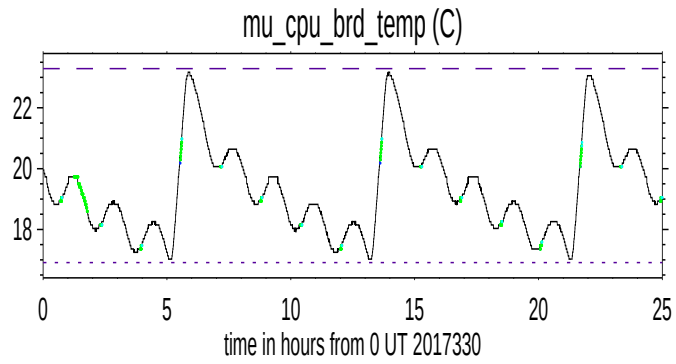

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2017330


mu_cpu_brd_temp (C)
22
20
18
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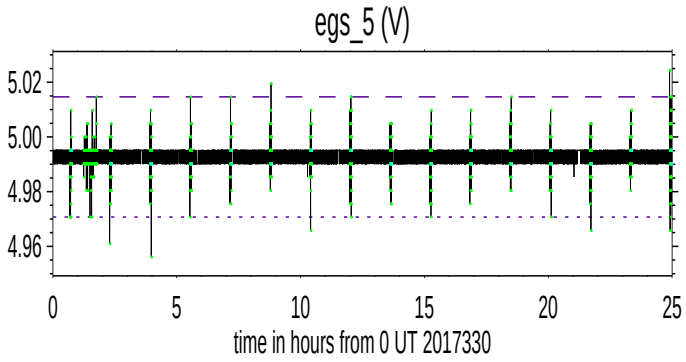
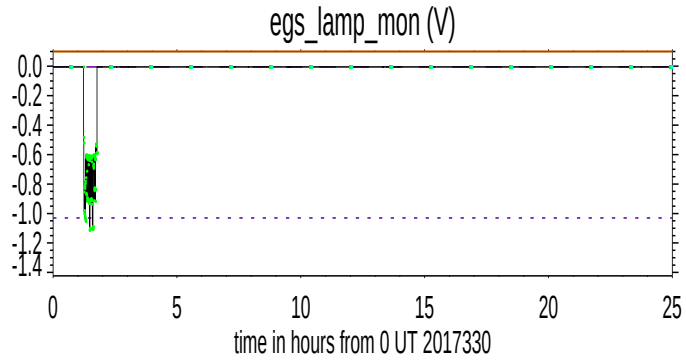
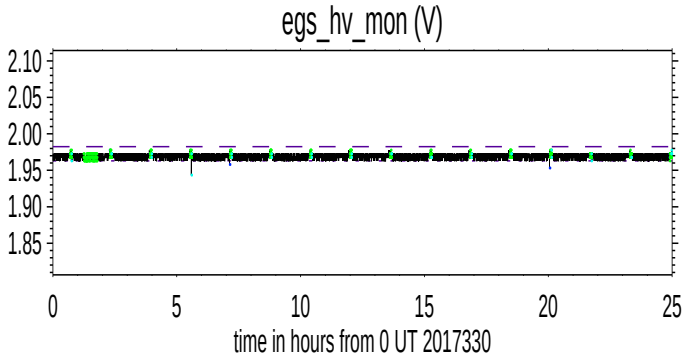
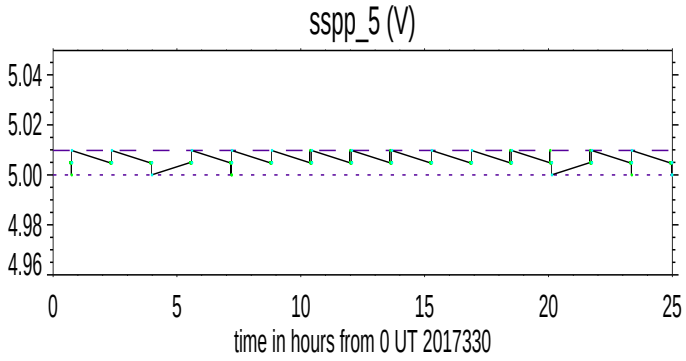
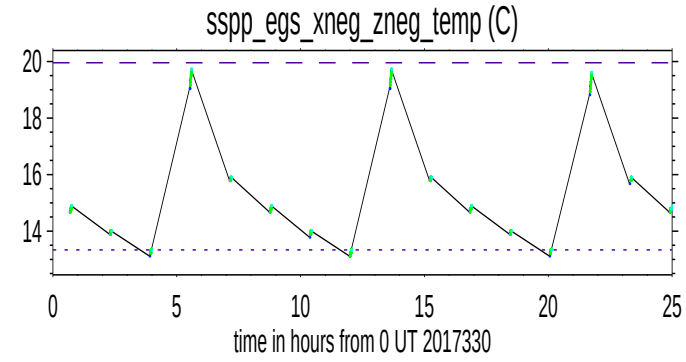
5
10
15
20
25
time in hours from 0 UT 2017330

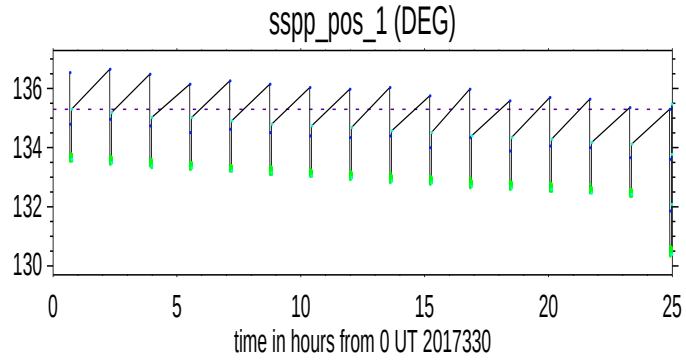

egs_5 (V)
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017330

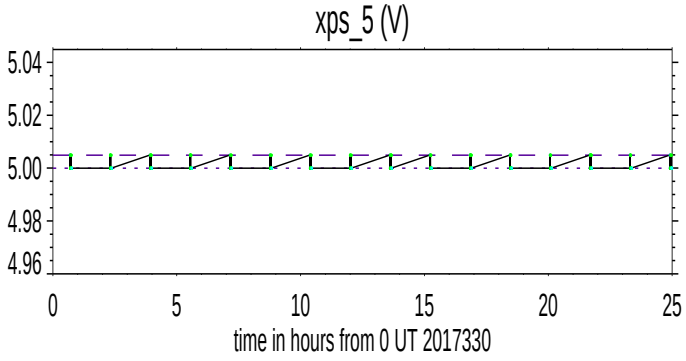

egs_lamp_mon (V)
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
-1.4
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_hv_mon (V)
2.10
2.05
2.00
1.95
1.90
1.85
0
5
10
15
20
25
time in hours from 0 UT 2017330


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 2017330


sspp_egs_xneg_zneg_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330


sspp_pos_1 (DEG)
136
134
132
130
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_5 (V)
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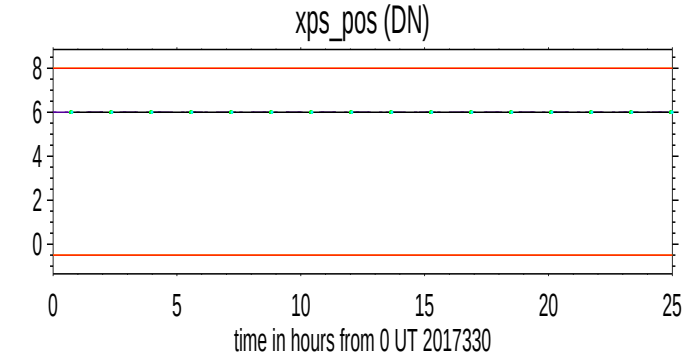
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_pos (DN)
8
6
4
2
0
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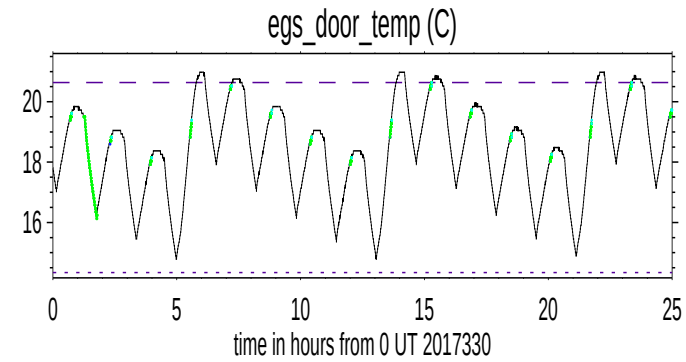
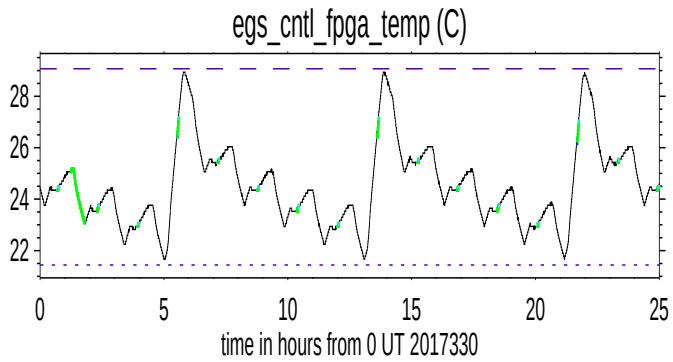
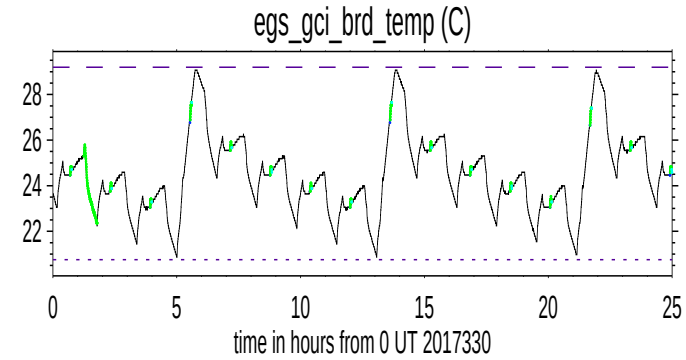
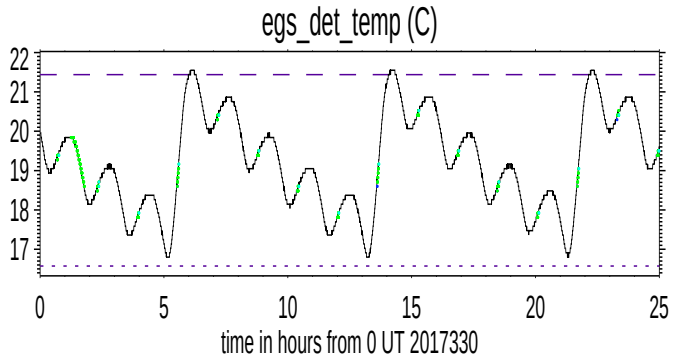
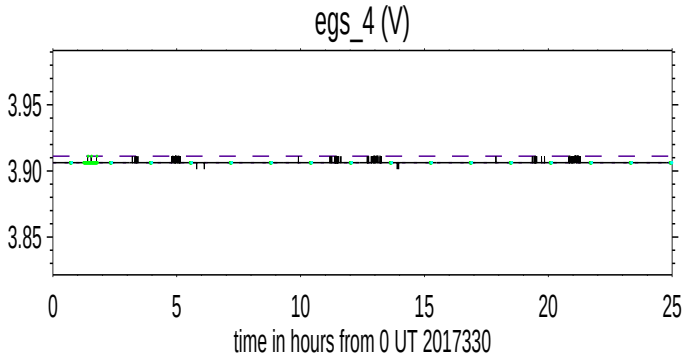
10
15
20
25
time in hours from 0 UT 2017330

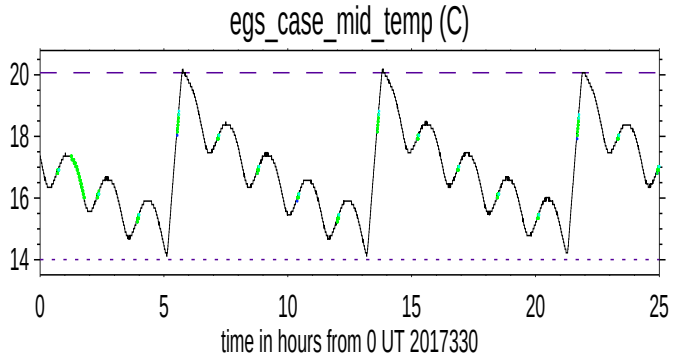

egs_door_temp (C)
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_gci_brd_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_det_temp (C)
22
21
20
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_case_mid_temp (C)
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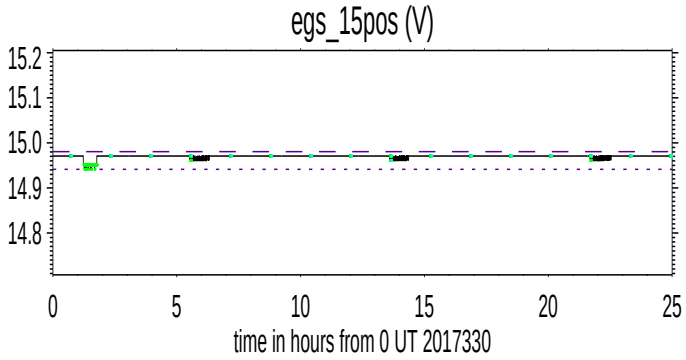
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_15pos (V)
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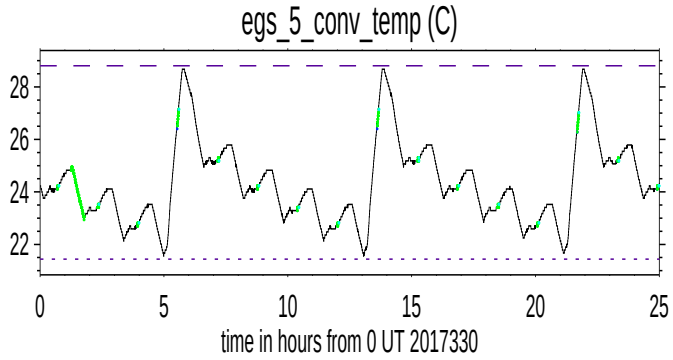
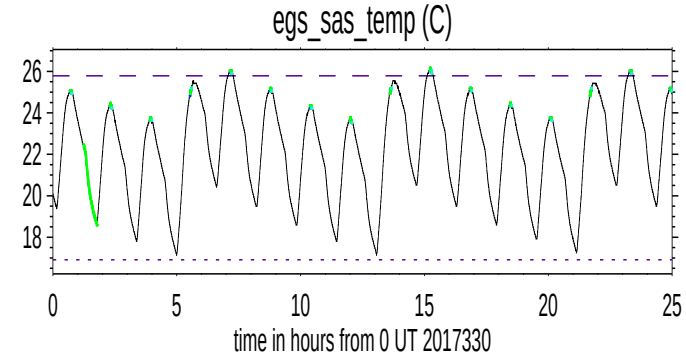
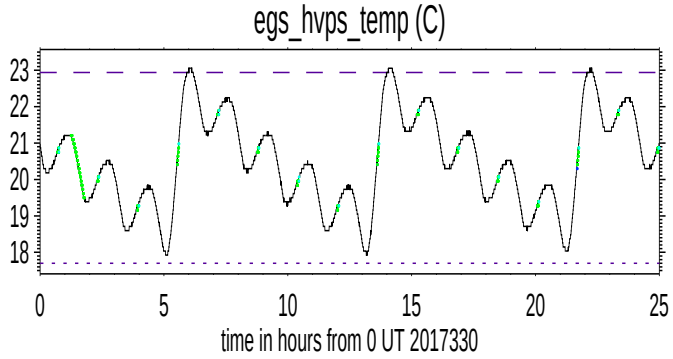
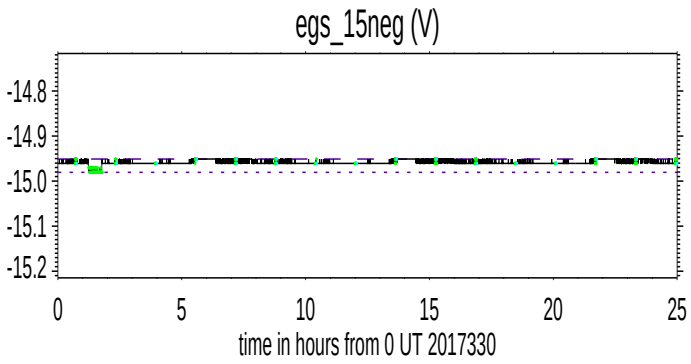
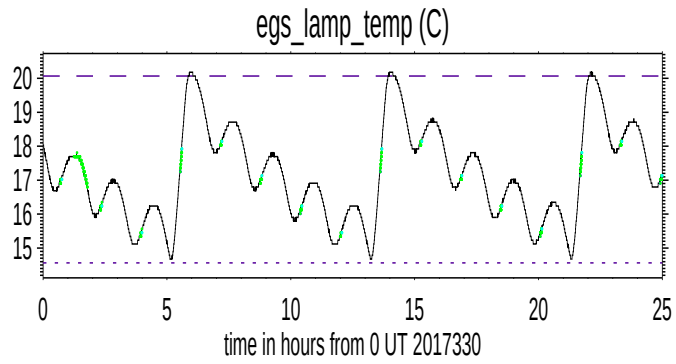
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2017330

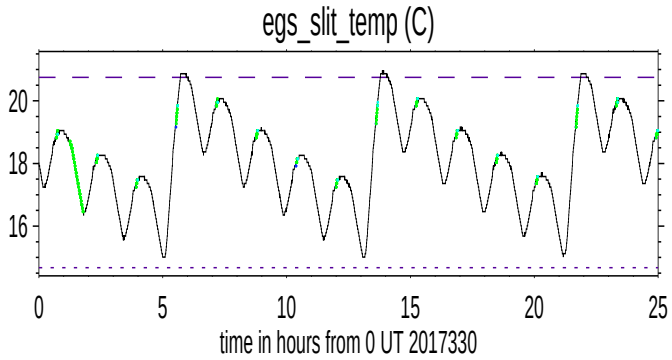

egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017330

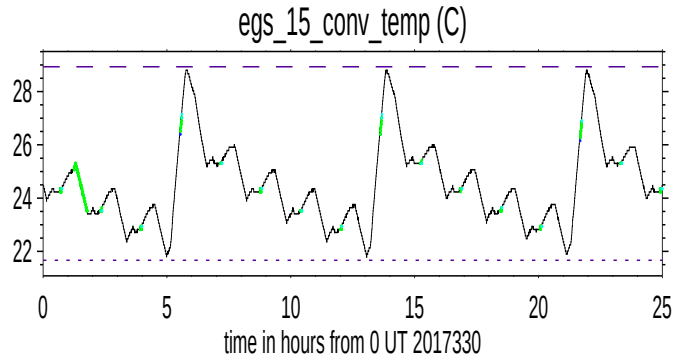

egs_sas_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_hvps_temp (C)
23
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2017330


egs_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2017330


egs_lamp_temp (C)
20 19 18 17 16 15
0 5 10 15 20 25
time in hours from 0 UT 2017330


egs_slit_temp (C)
20 18 16
0 5 10 15 20 25
time in hours from 0 UT 2017330


egs_15_conv_temp (C)
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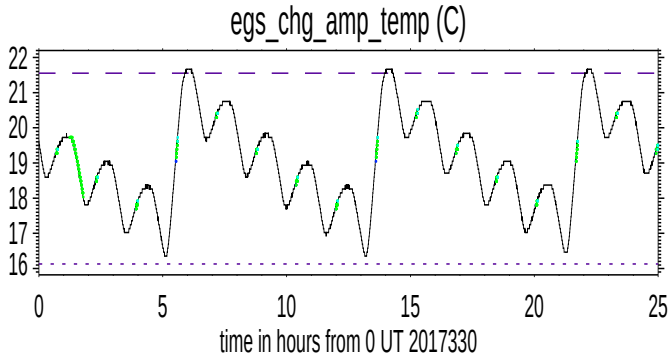
0 5 10 15 20 25
time in hours from 0 UT 2017330


egs_chg_amp_temp (C)
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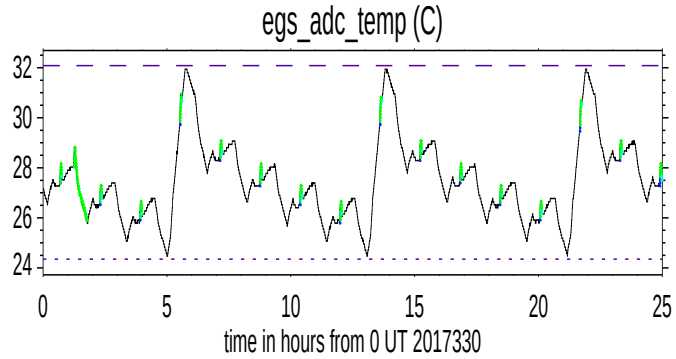
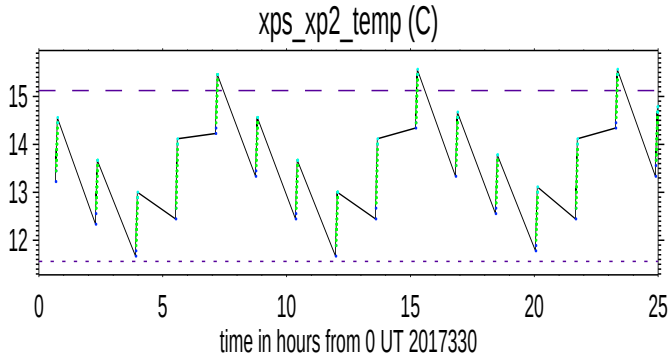
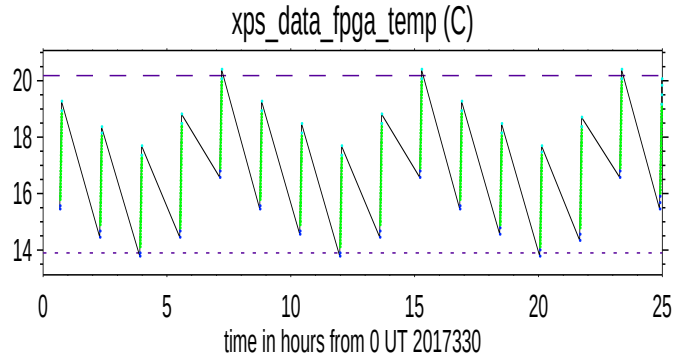
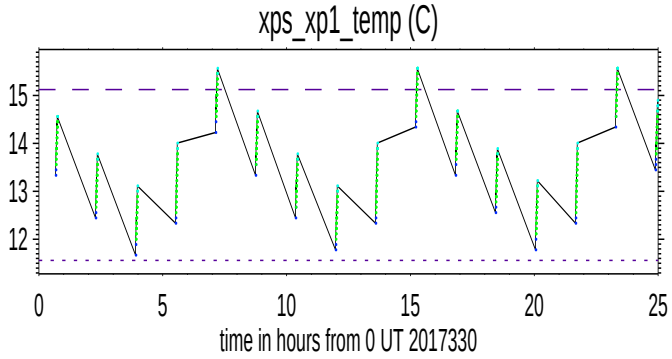
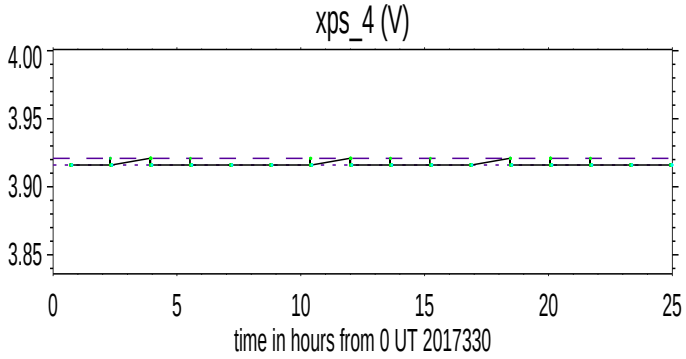
0 5 10 15 20 25
time in hours from 0 UT 2017330

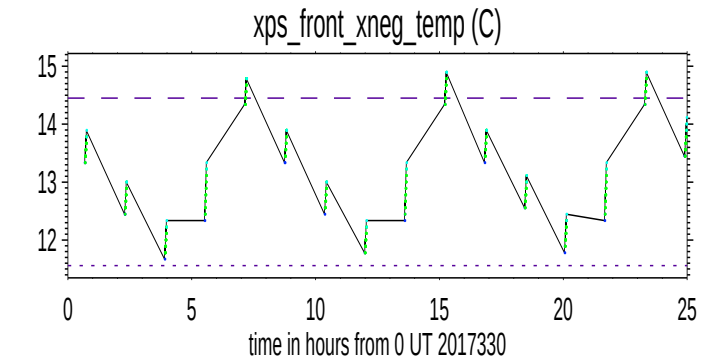

egs_adc_temp (C)
32 30 28 26 24
0 5 10 15 20 25
time in hours from 0 UT 2017330


xps_xp2_temp (C)
15 14 13 12
0 5 10 15 20 25
time in hours from 0 UT 2017330


xps_data_fpga_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2017330


xps_xp1_temp (C)
15 14 13 12
0 5 10 15 20 25
time in hours from 0 UT 2017330


xps_4 (V)
4.00 3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2017330


xps_front_xneg_temp (C)
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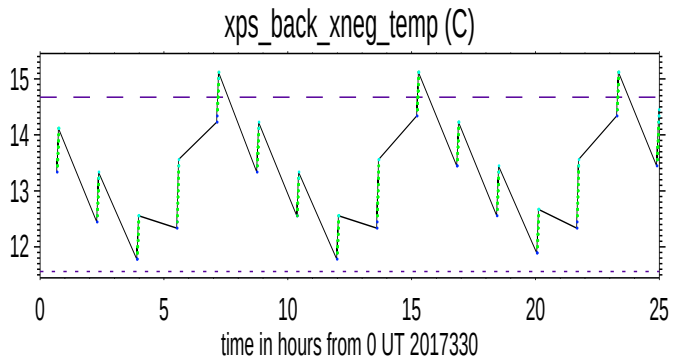
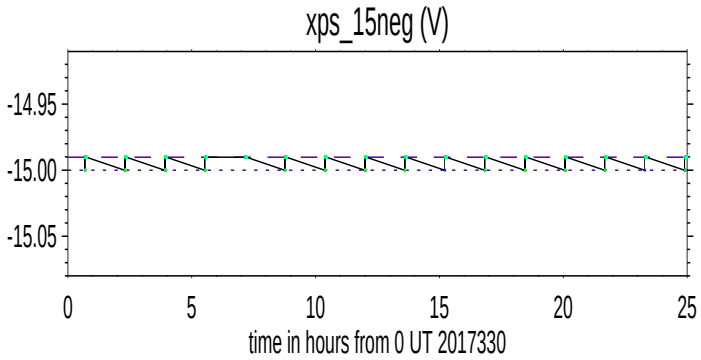
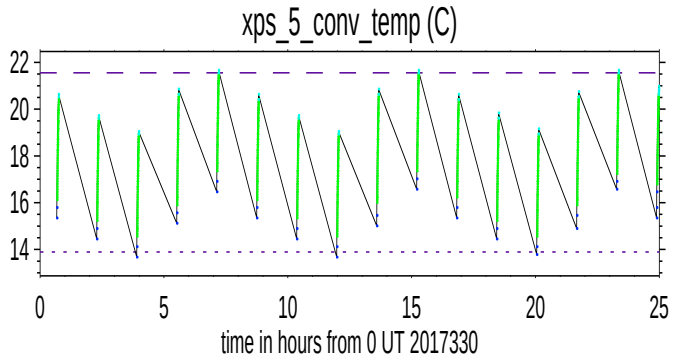
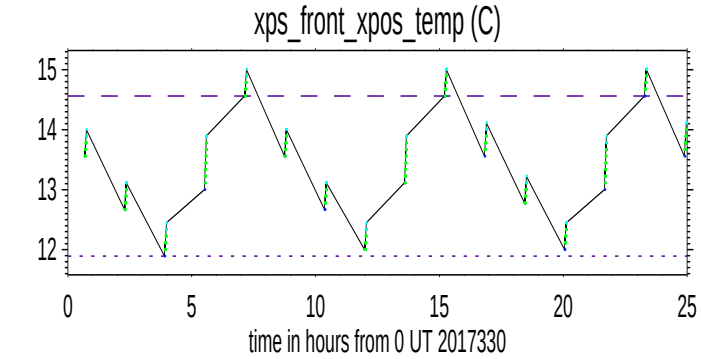
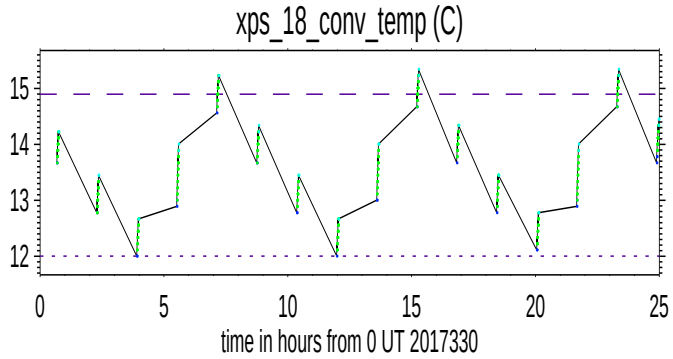
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_back_xneg_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_5_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_front_xpos_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017330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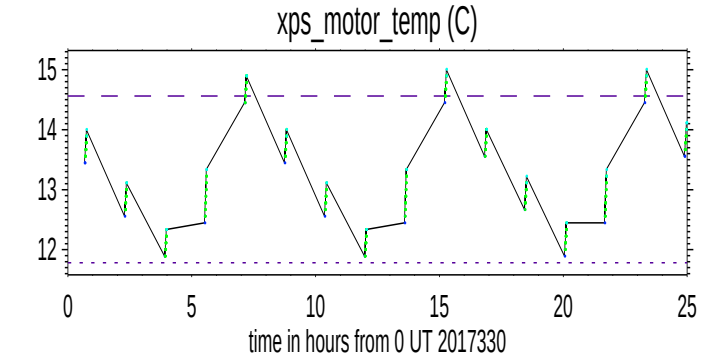
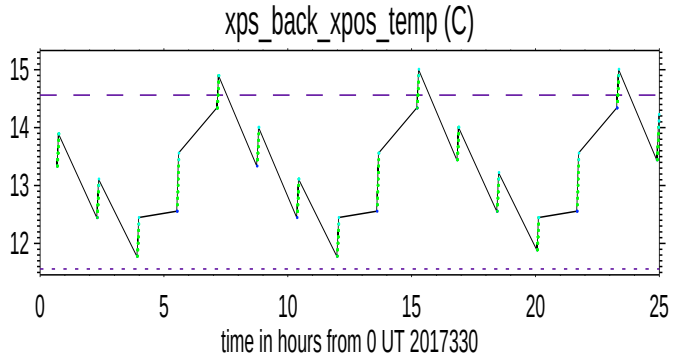
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_motor_temp (C)
15
14
13
12
0
5
10
15
20
25
time in hours from 0 UT 2017330


xps_back_xpos_temp (C)
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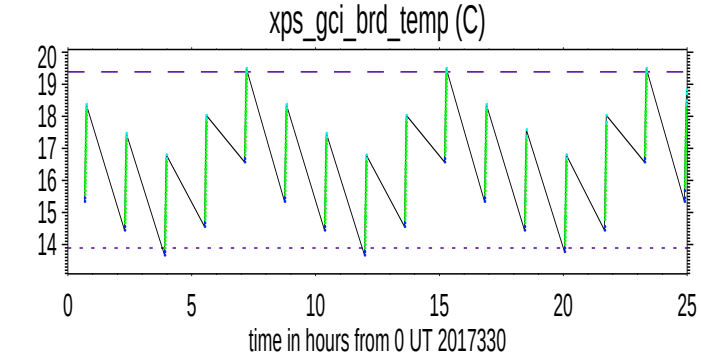
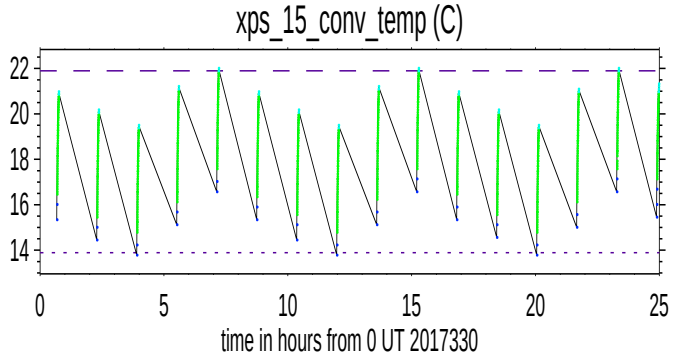
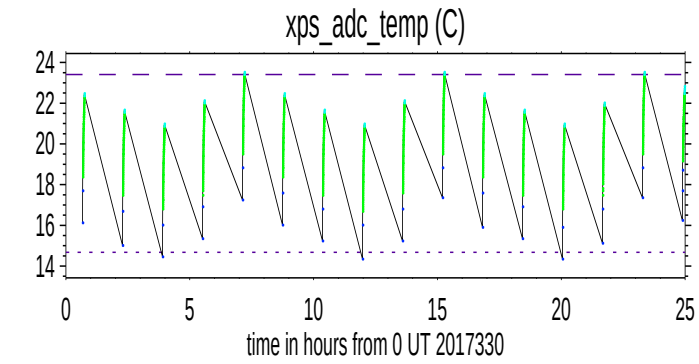
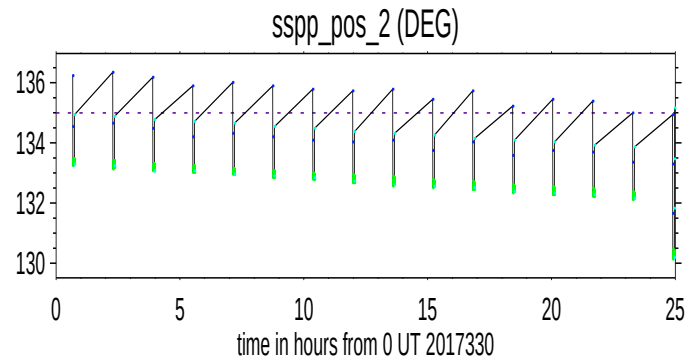
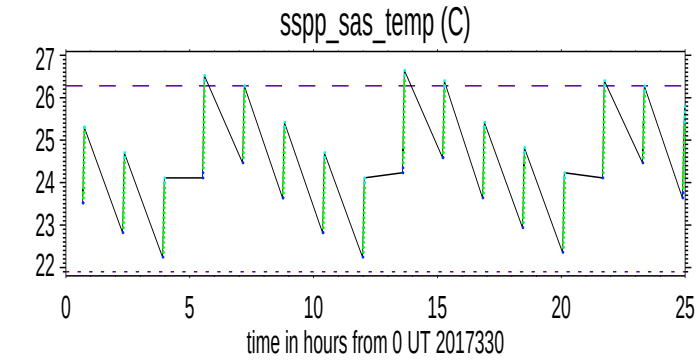
12
0
5
10
15
20
25
time in hours from 0 UT 2017330

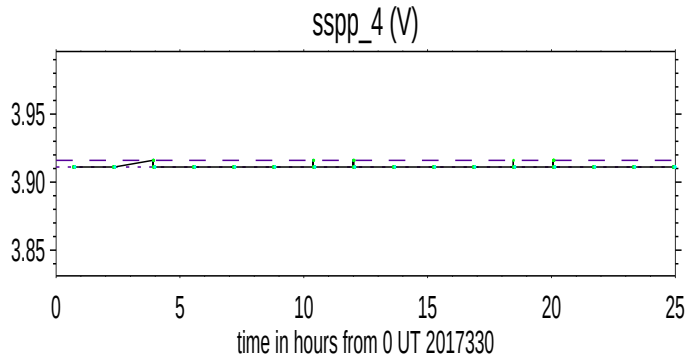

xps_gci_brd_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

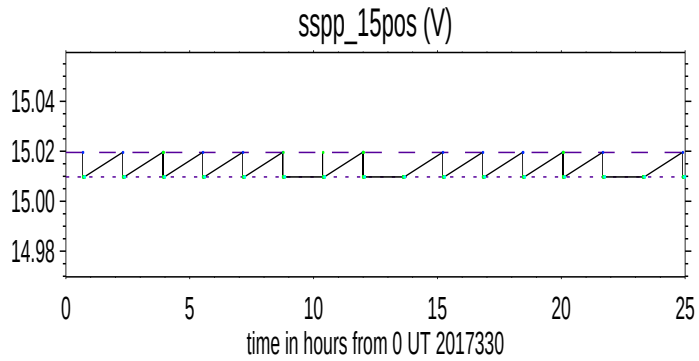

xps_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

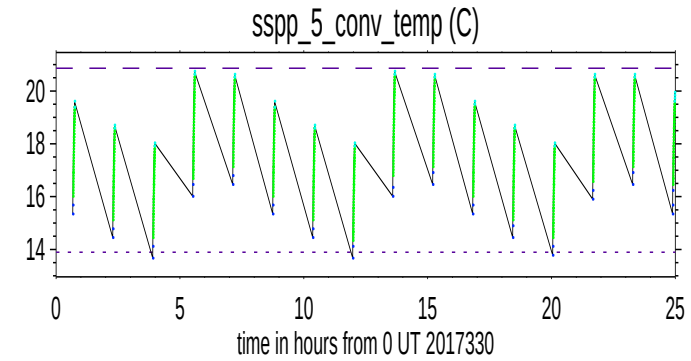

xps_adc_temp (C)
24
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

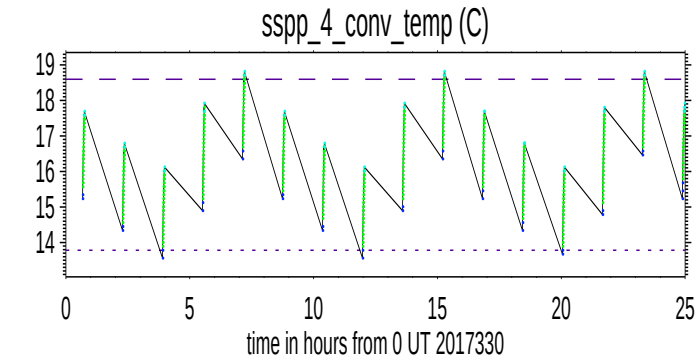

sspp_pos_2 (DEG)
136
134
132
130
0
5
10
15
20
25
time in hours from 0 UT 2017330

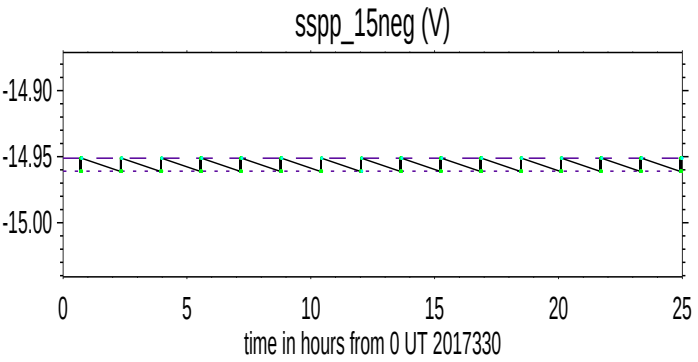

sspp_sas_temp (C)
27
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2017330

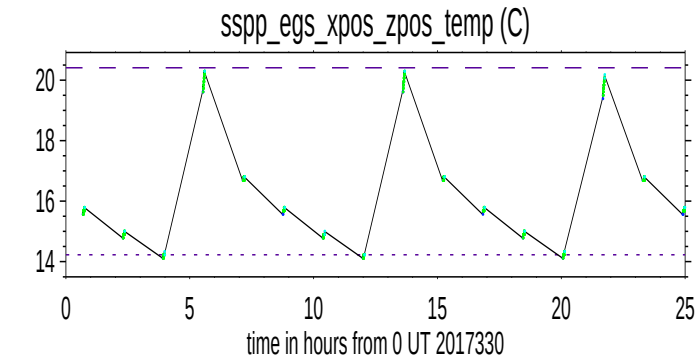

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017330

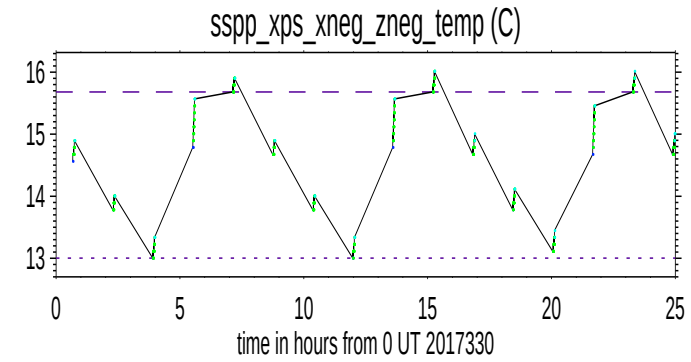

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2017330

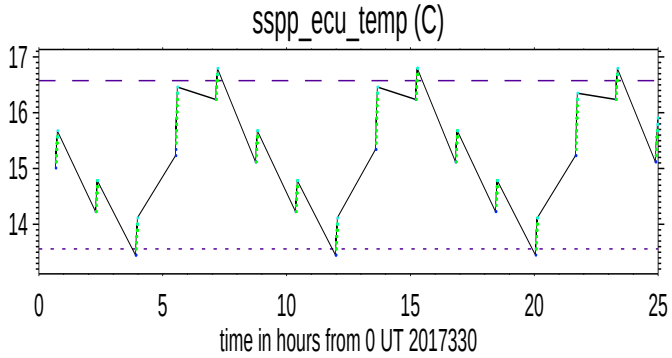

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

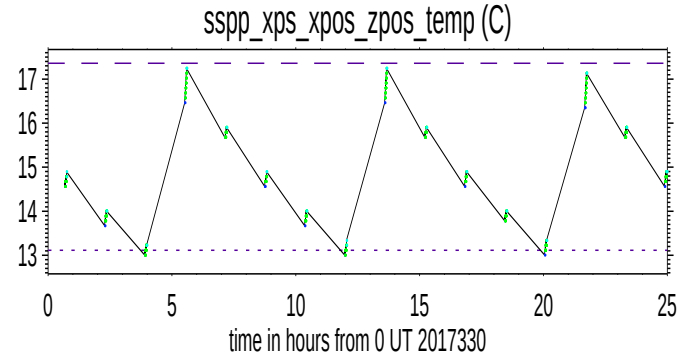

sspp_4_conv_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

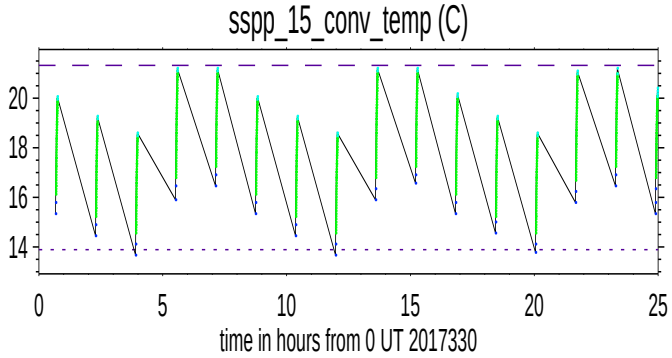

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017330

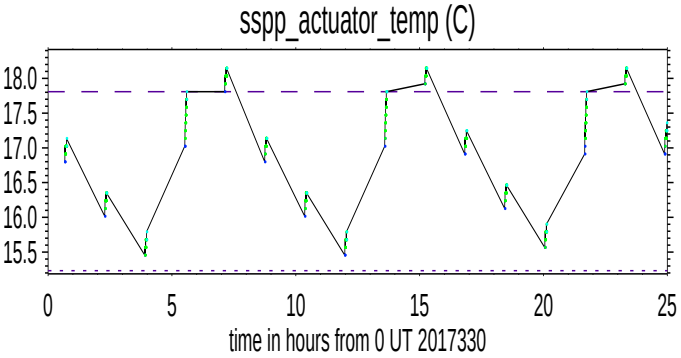

sspp_egs_xpos_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

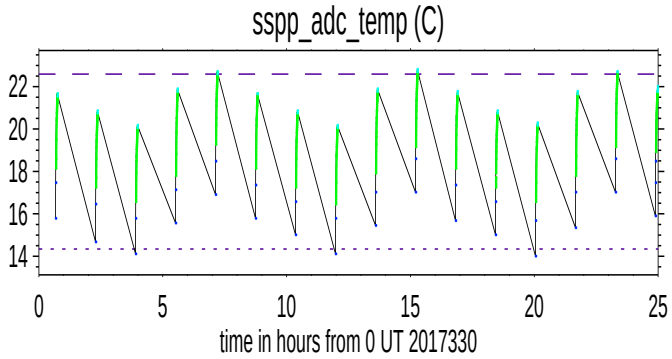

sspp_xps_xneg_zneg_temp (C)
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017330

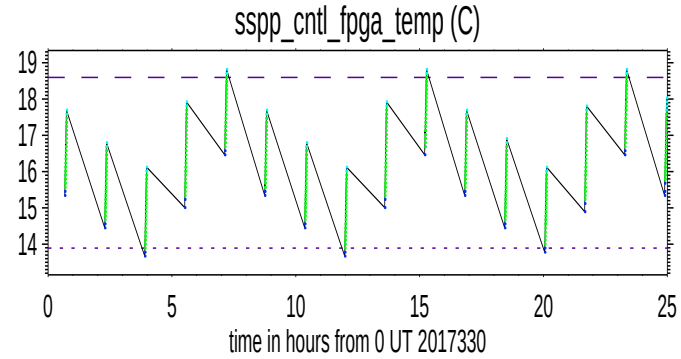

sspp_ecu_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

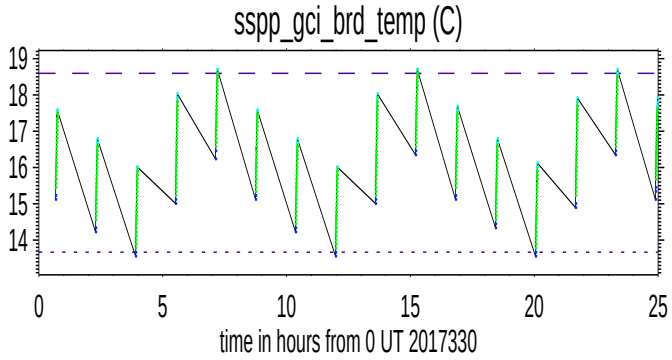

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017330

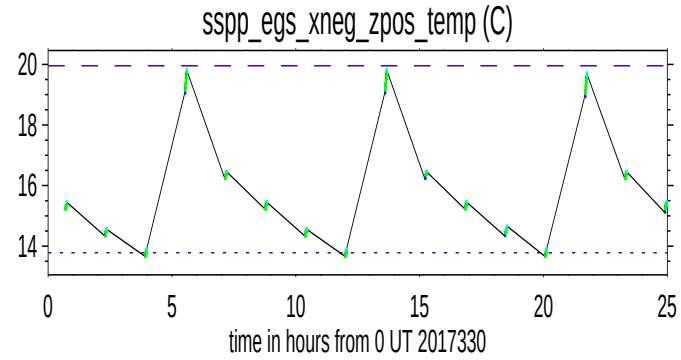

sspp_15_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

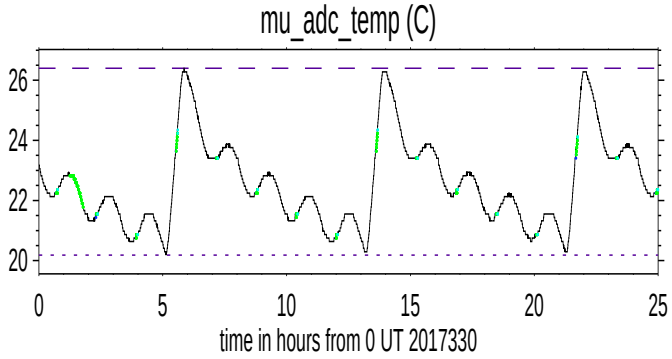

sspp_actuator_temp (C)
18.0
17.5
17.0
16.5
16.0
15.5
0
5
10
15
20
25
time in hours from 0 UT 2017330

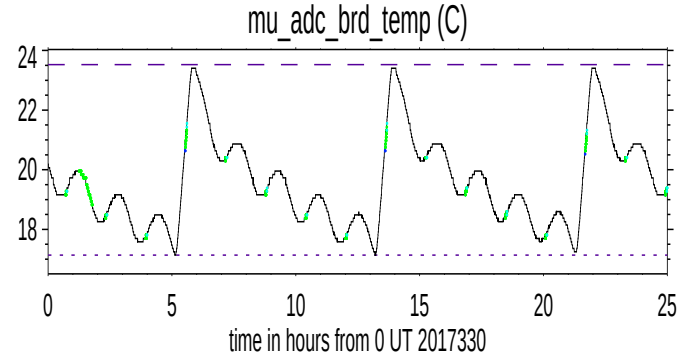

sspp_adc_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

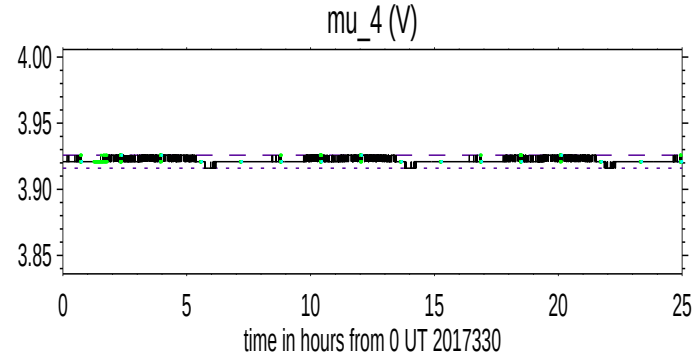

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

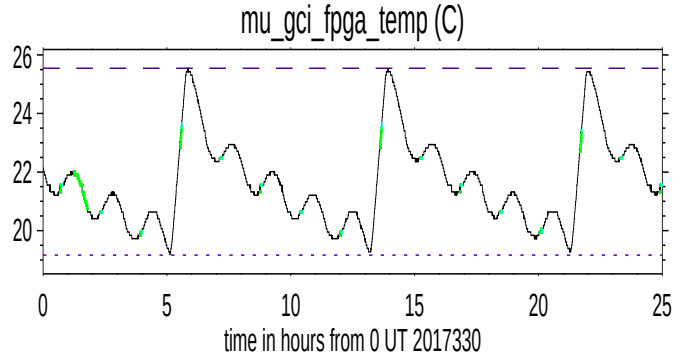

sspp_gci_brd_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

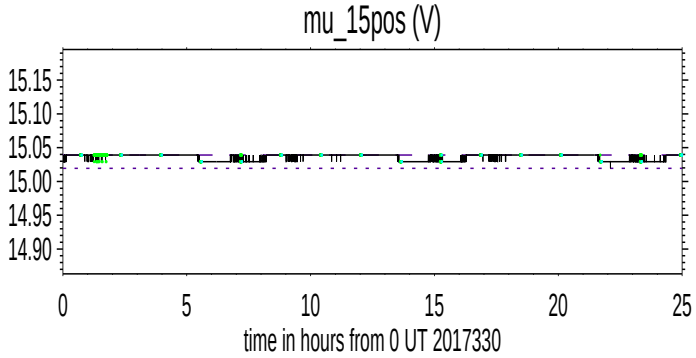

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017330

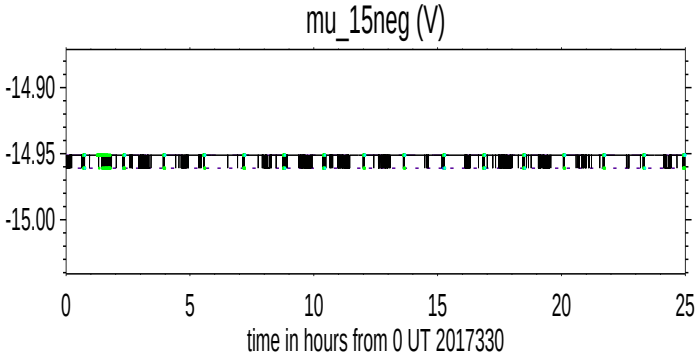

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017330

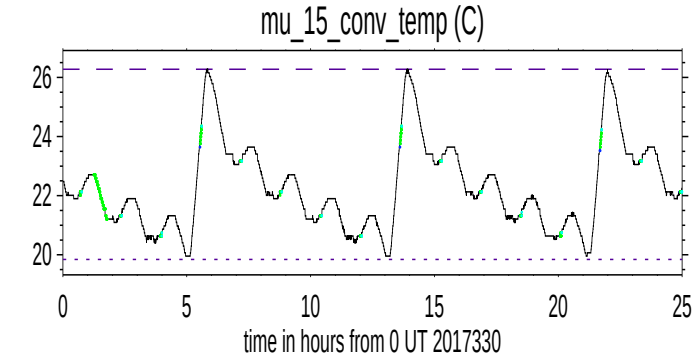

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

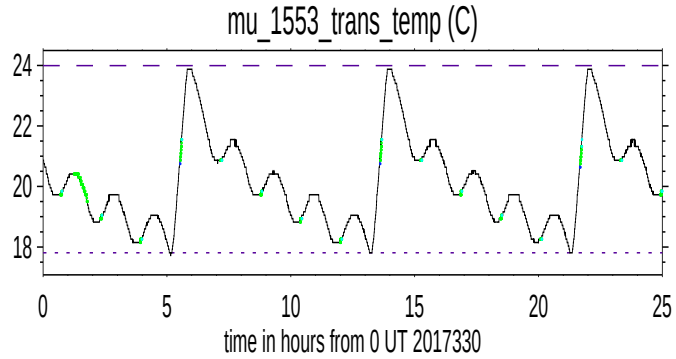

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017330

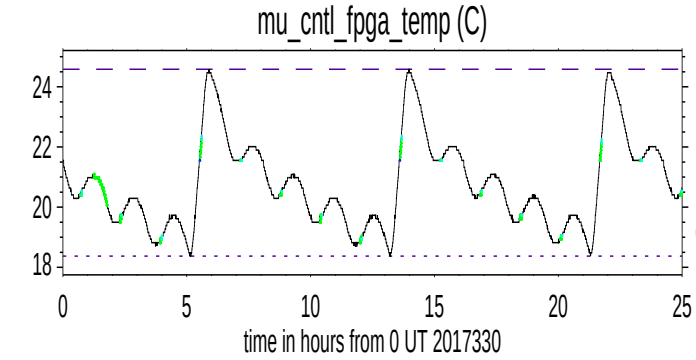

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017330

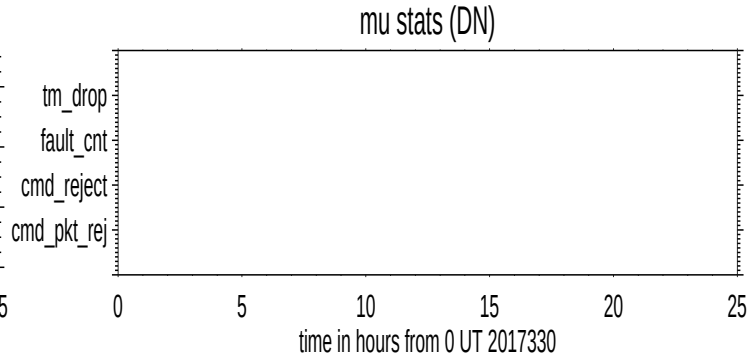

mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2017330

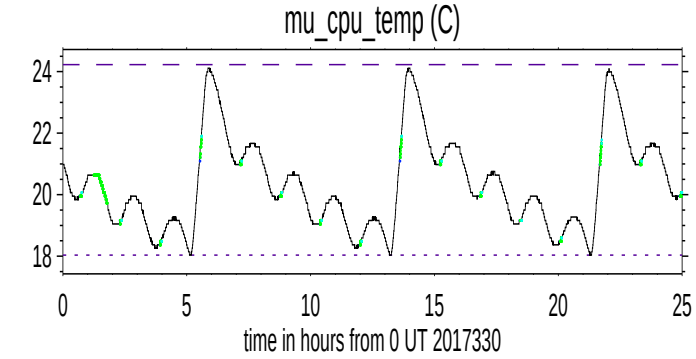

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017330

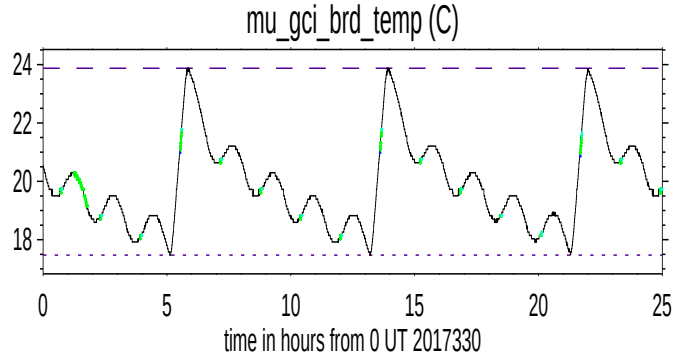

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017330

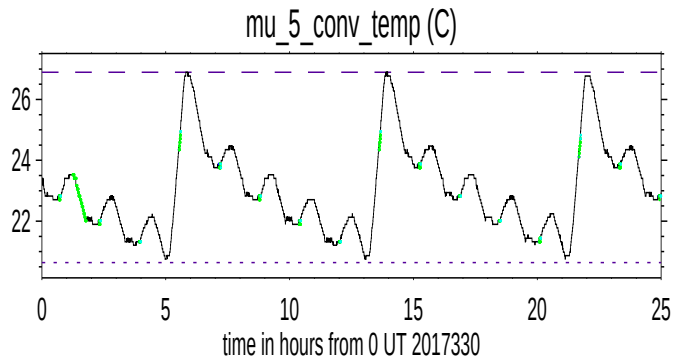

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

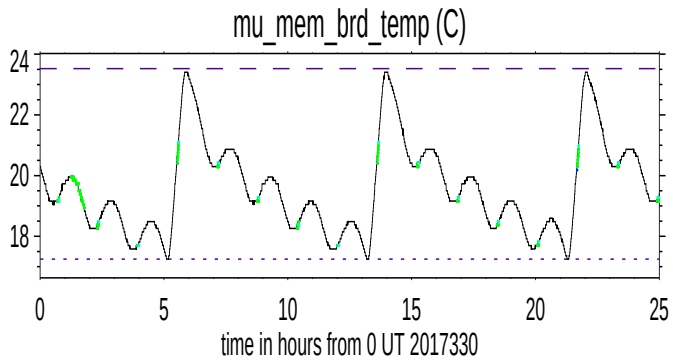

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

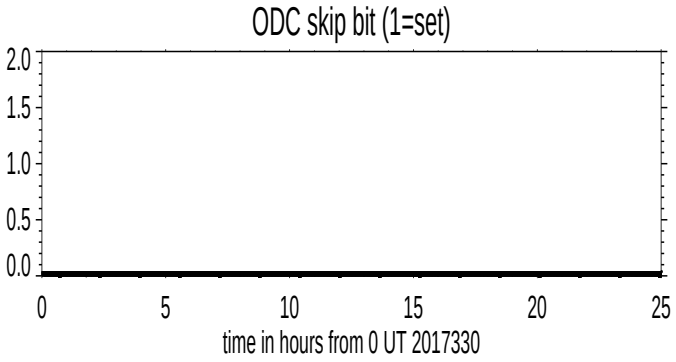

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2017330

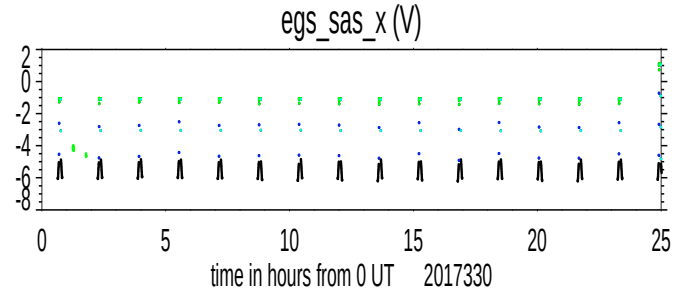

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

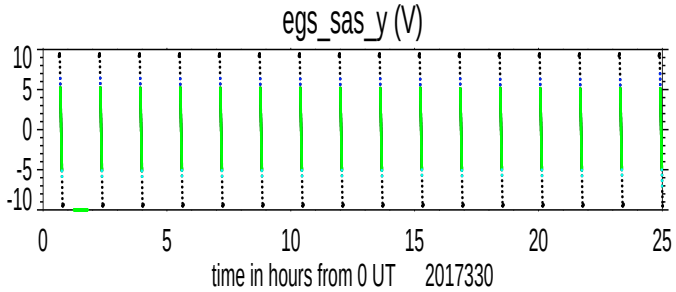

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

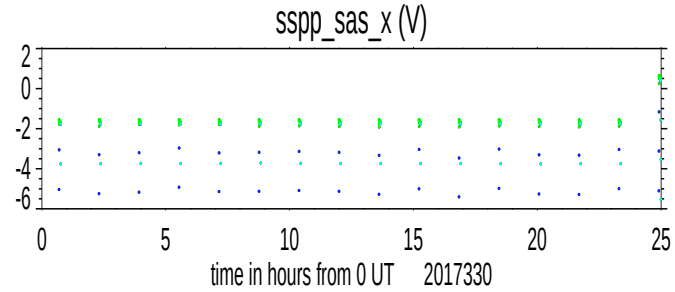

mu_5_conv_temp (C)
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017330

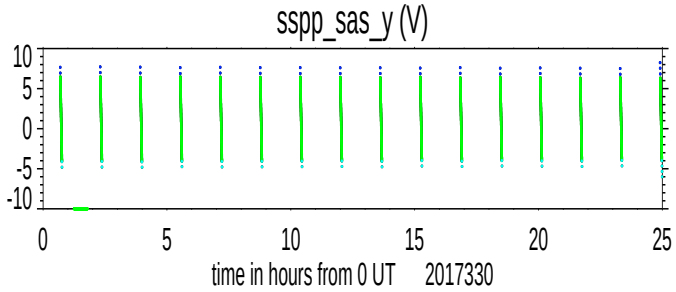

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017330

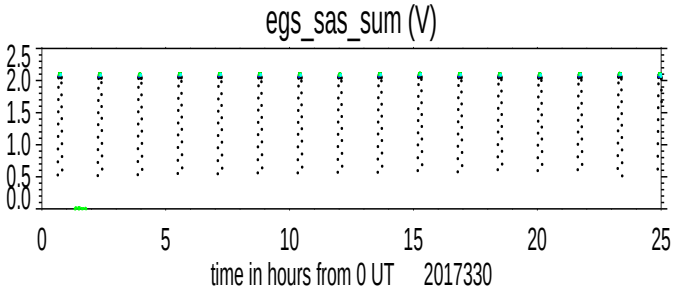

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017330

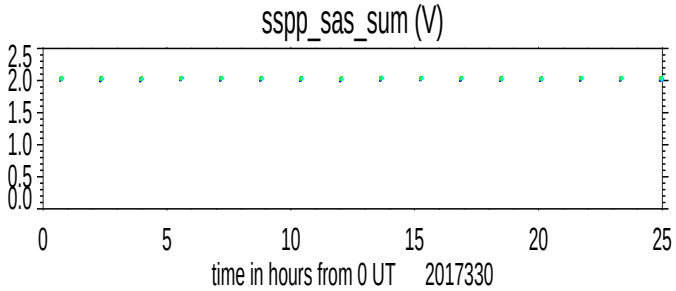

egs_sas_x (V)
time in hours from 0 UT 2017330

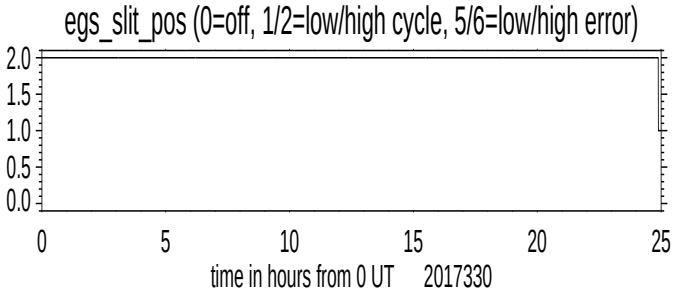

egs_sas_y (V)
time in hours from 0 UT 2017330

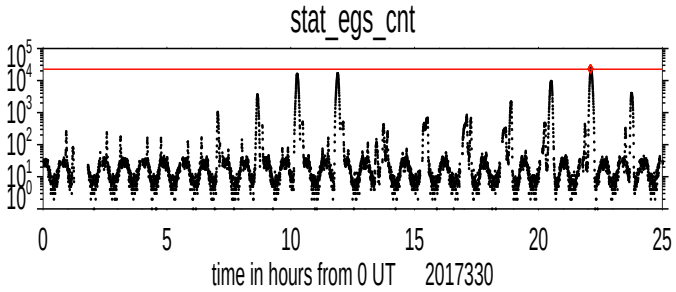

sspp_sas_x (V)
time in hours from 0 UT 2017330

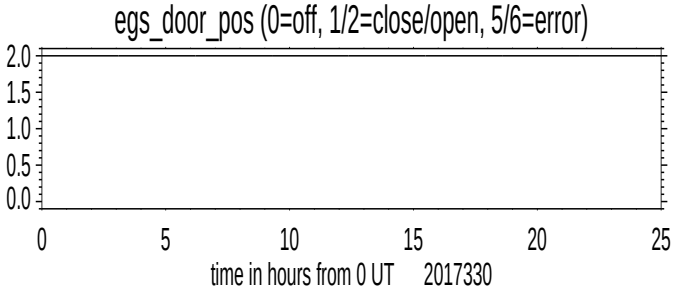

sspp_sas_y (V)
time in hours from 0 UT 2017330

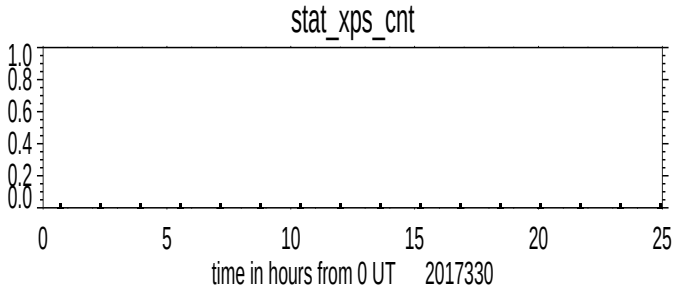

egs_sas_sum (V)
time in hours from 0 UT 2017330

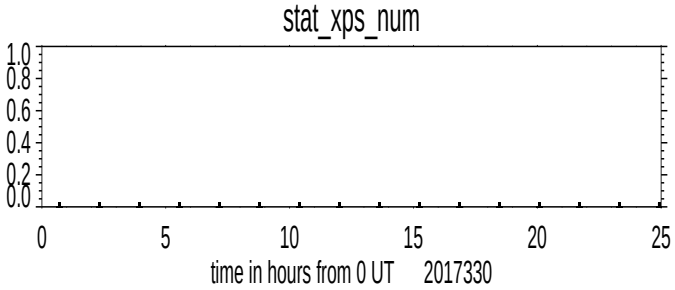

sspp_sas_sum (V)
time in hours from 0 UT 2017330

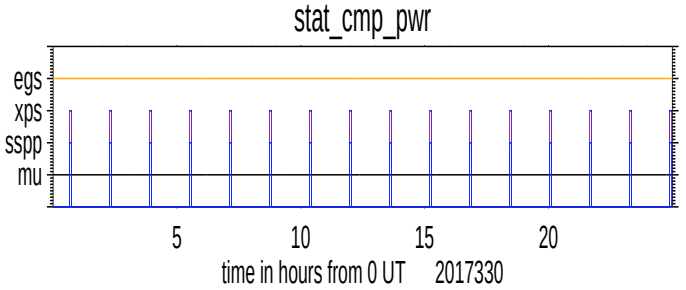

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2017330


stat_egs_cnt
time in hours from 0 UT 2017330

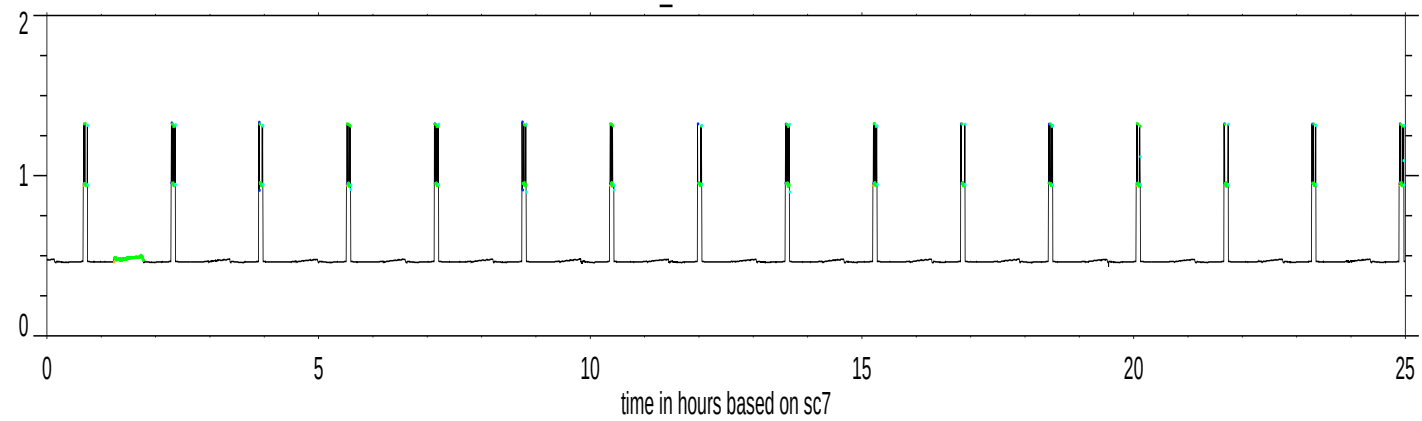

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2017330


stat_xps_cnt
time in hours from 0 UT 2017330

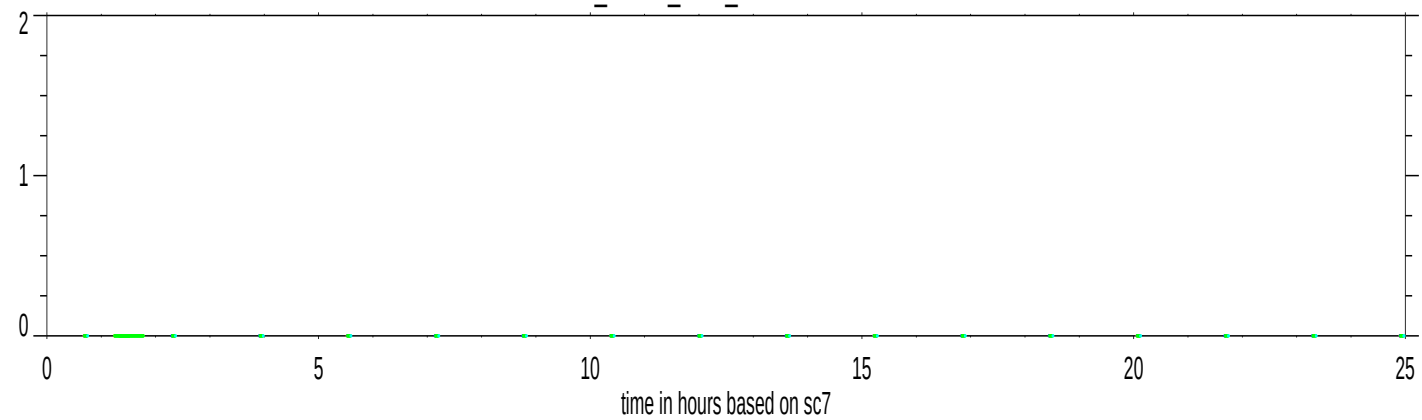

stat_xps_num
time in hours from 0 UT 2017330


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2017330

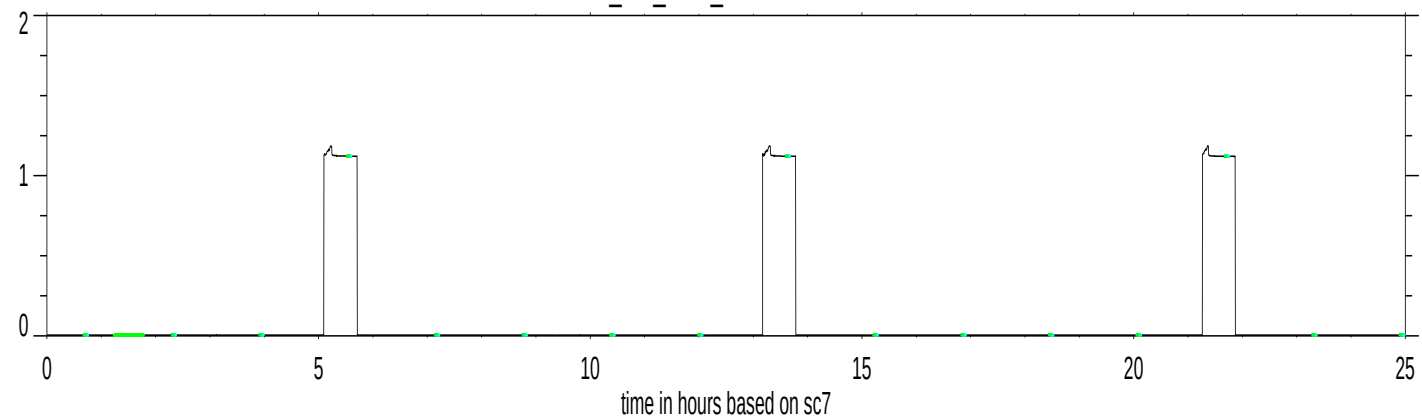
SEE_CUR 2017330



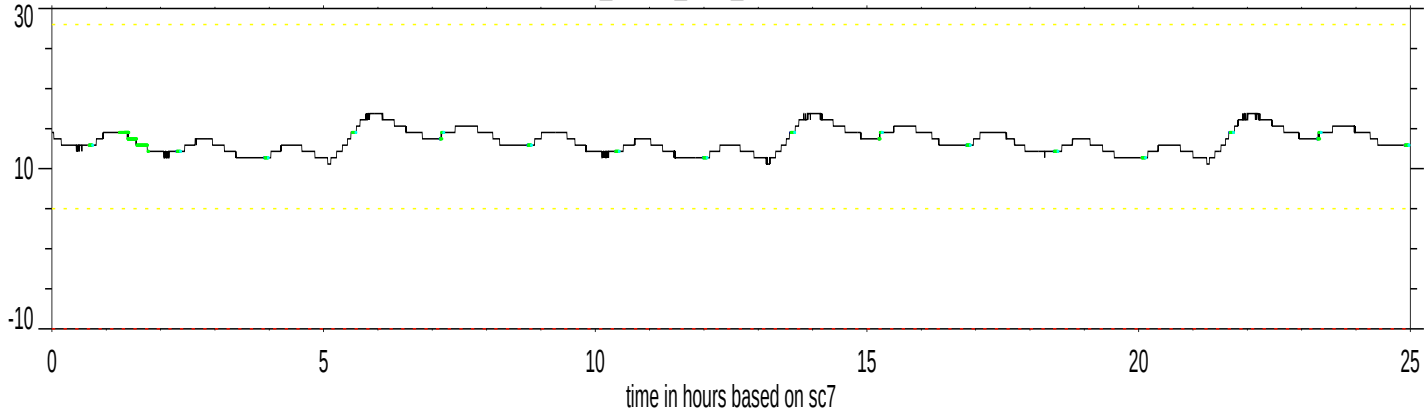
SEE_SURV_HTR_CUR 2017330



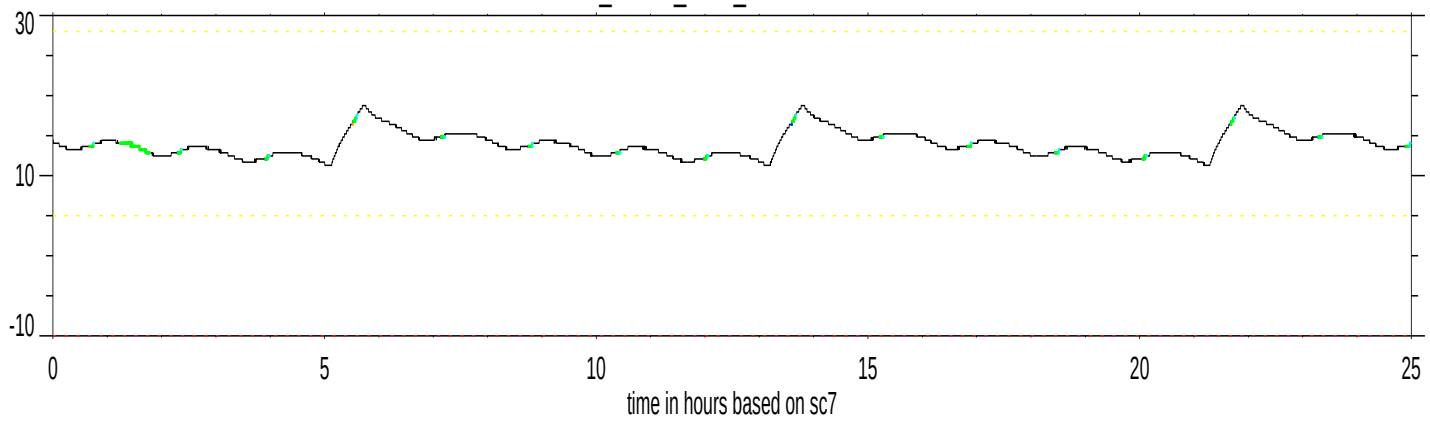
SEE_OP_HTR_CUR 2017330



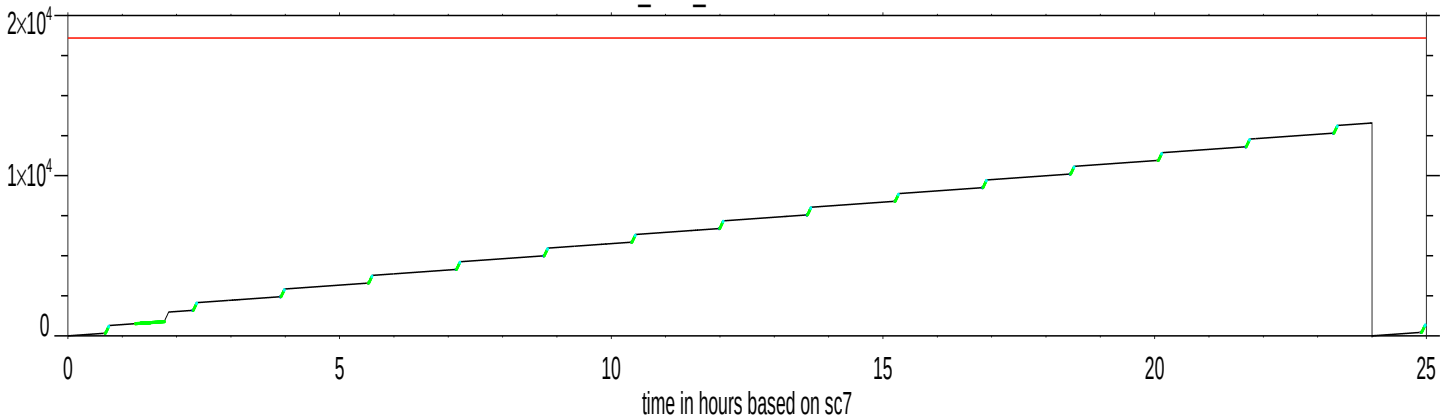
SSPP_BHND_XPS_TEMP 2017330



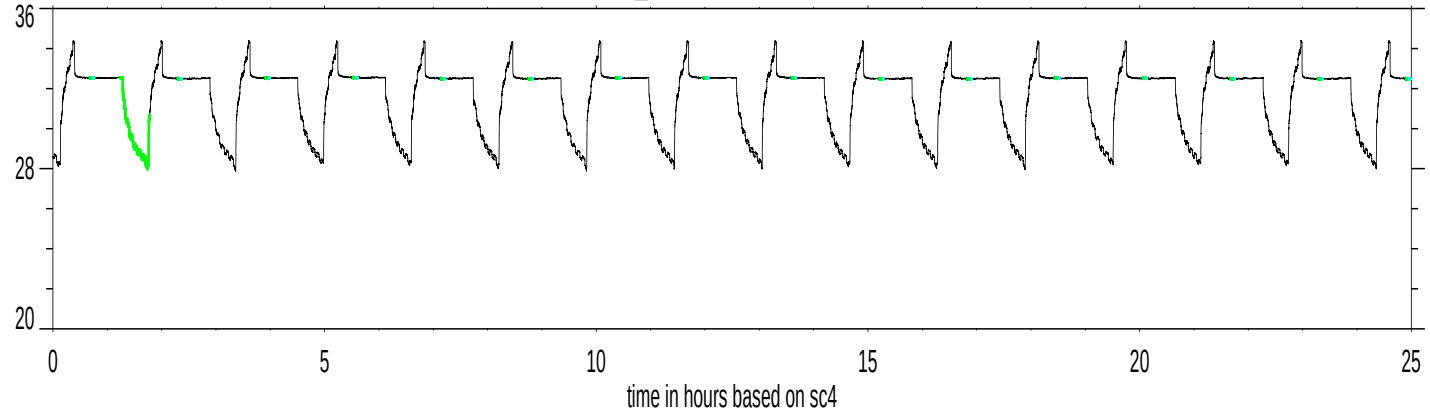
SSPP_BHND_MTR_TEMP 2017330



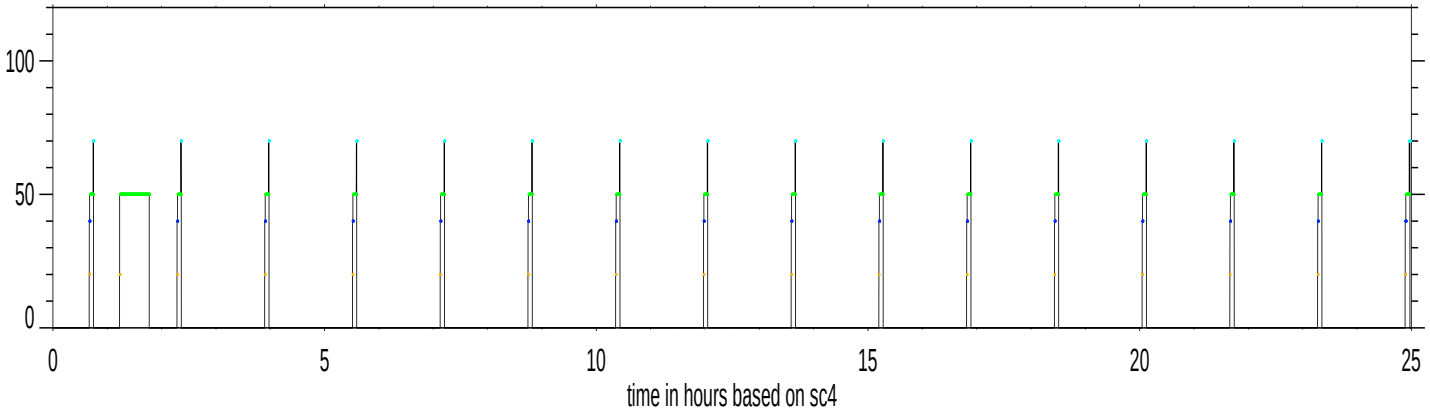
SEE_PKT_COUNT 2017330

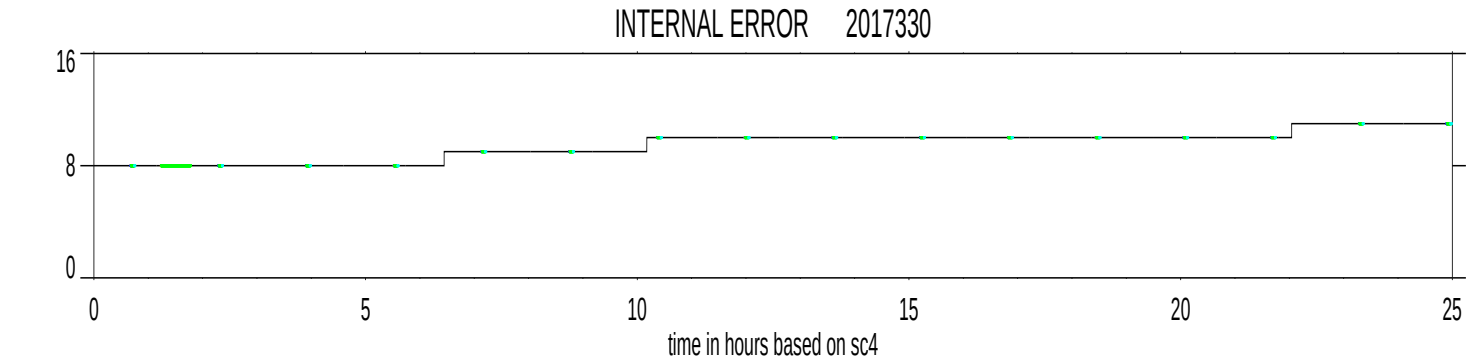


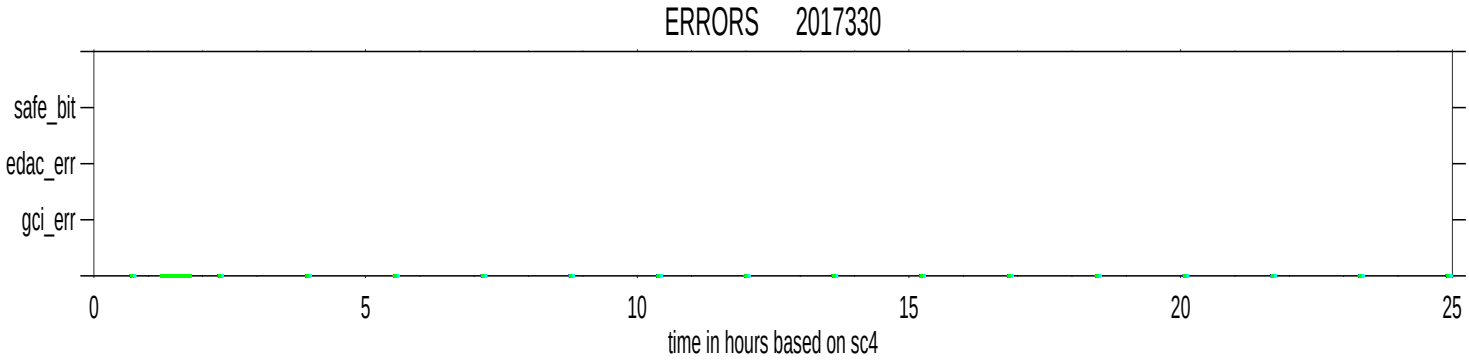
BUS_VOLTAGE 2017330

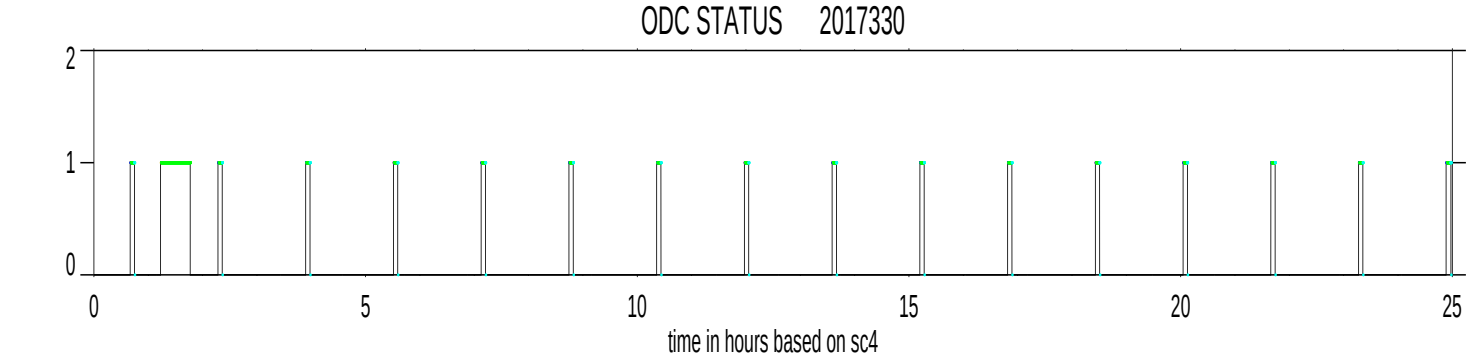


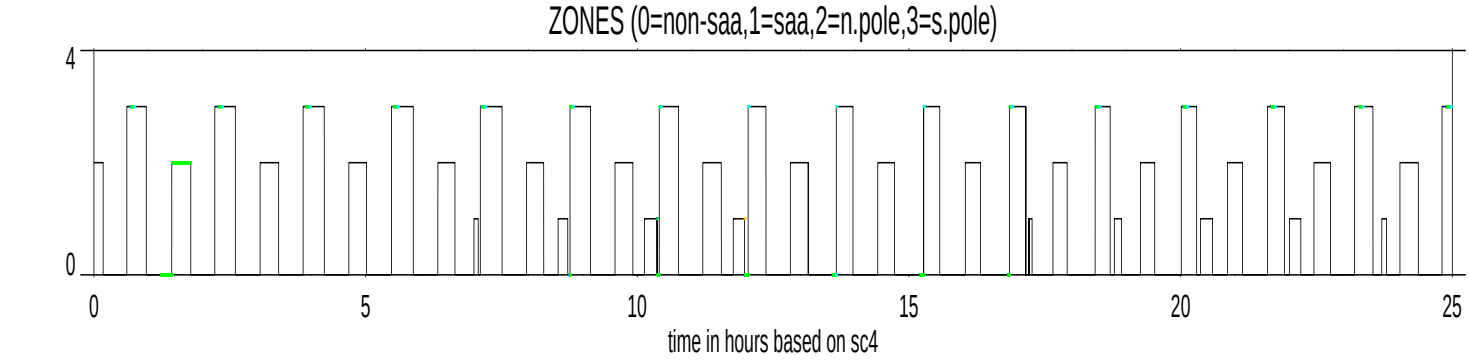
SEE_MU Operational Mode 2017330

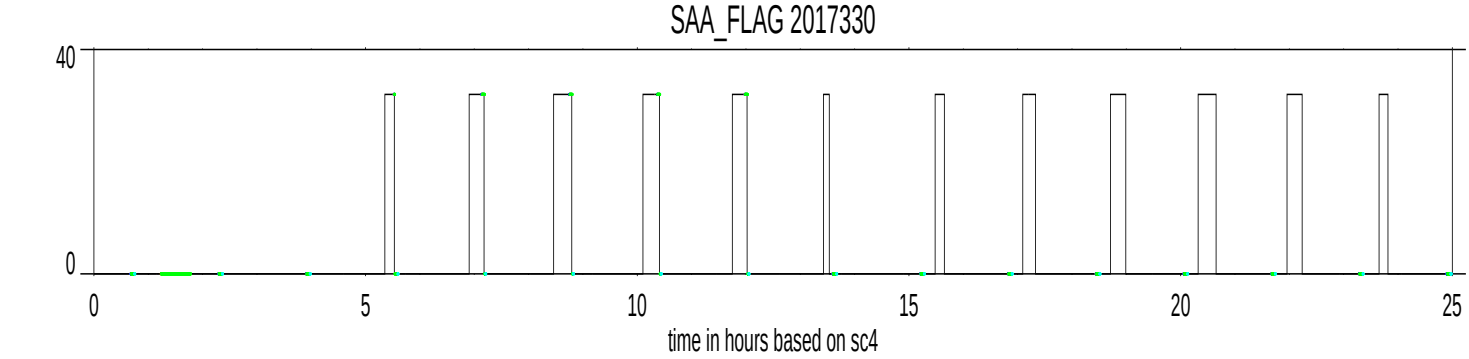


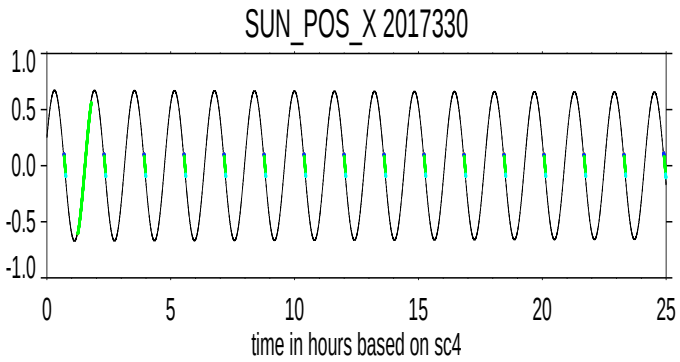

INTERNAL ERROR 2017330
16
8
0
0
5
10
15
20
25
time in hours based on sc4

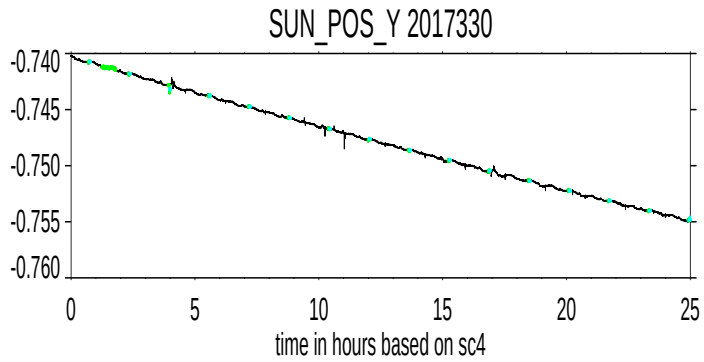

ERRORS 2017330
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

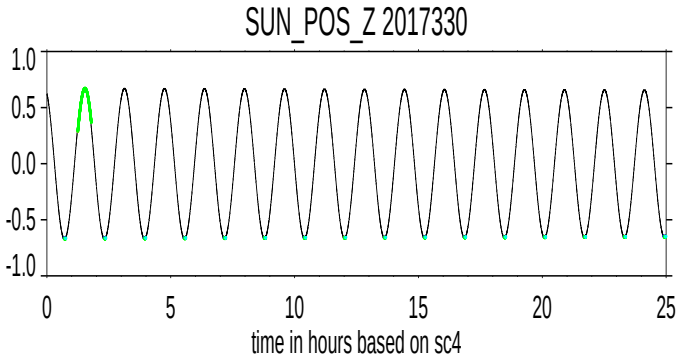

ODC STATUS 2017330
2
1
0
0
5
10
15
20
25
time in hours based on sc4

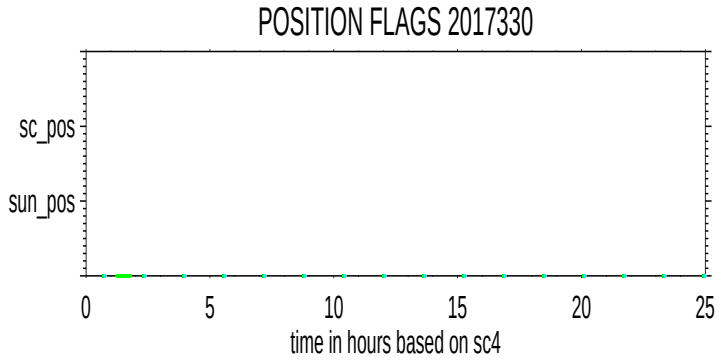

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

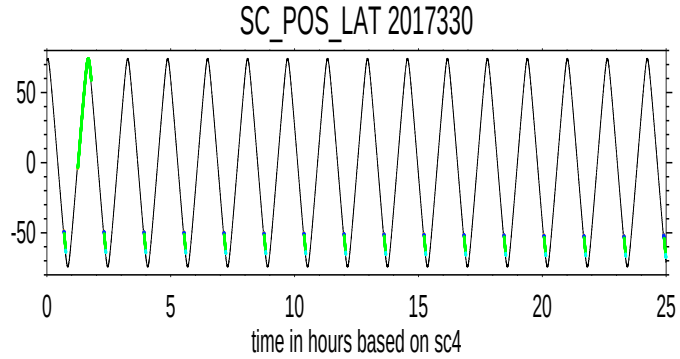

SAA_FLAG 2017330
40
0
0
5
10
15
20
25
time in hours based on sc4

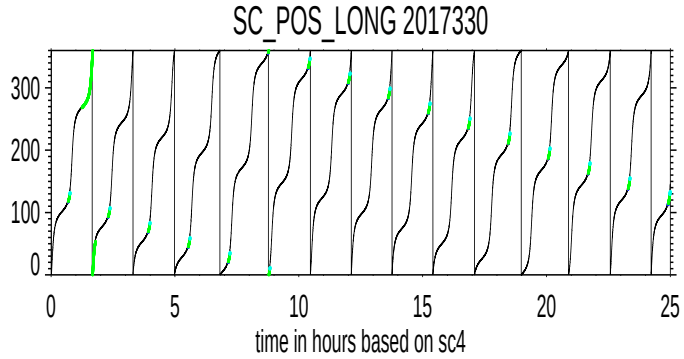

SUN_POS_X 2017330
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

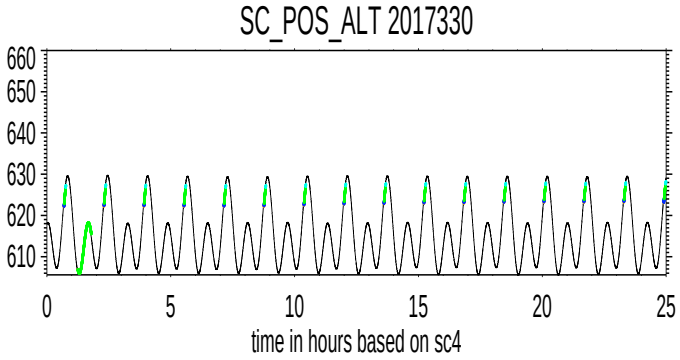

SUN_POS_Y 2017330
-0.740
-0.745
-0.750
-0.755
-0.760
0
5
10
15
20
25
time in hours based on sc4

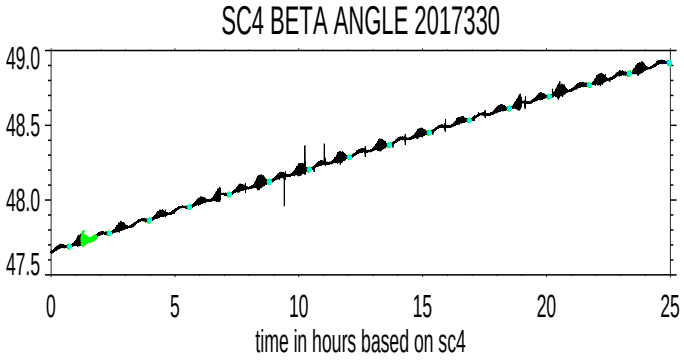

SUN_POS_Z 2017330
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2017330
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2017330
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2017330
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2017330
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2017330
49.0
48.5
48.0
47.5
0
5
10
15
20
25
time in hours based on sc4