```
Information for      2017339
08:53:38.001: see_stat[1]: 15 internal error
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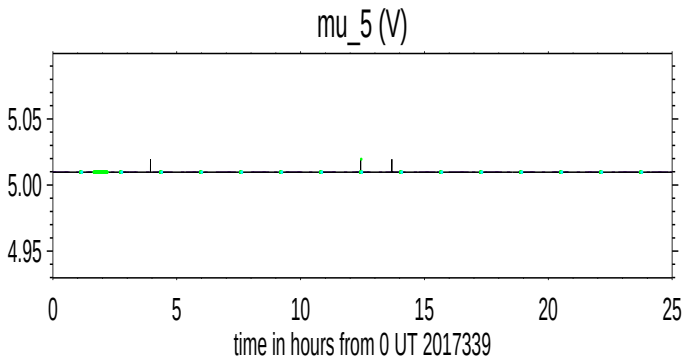
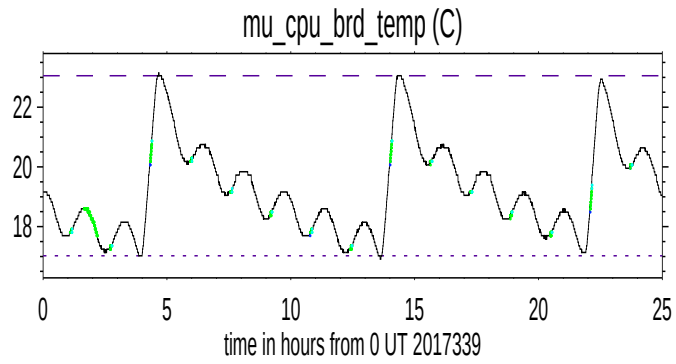

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2017339


mu_cpu_brd_temp (C)
22
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18
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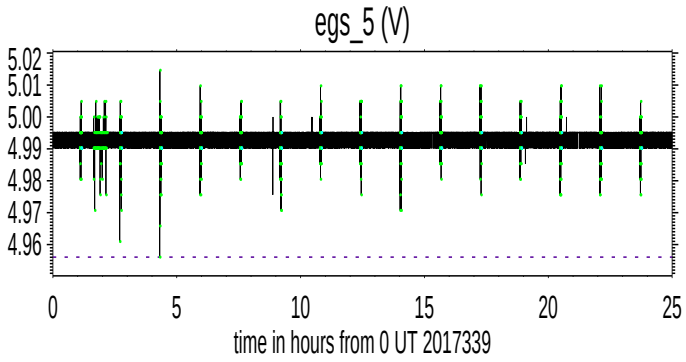
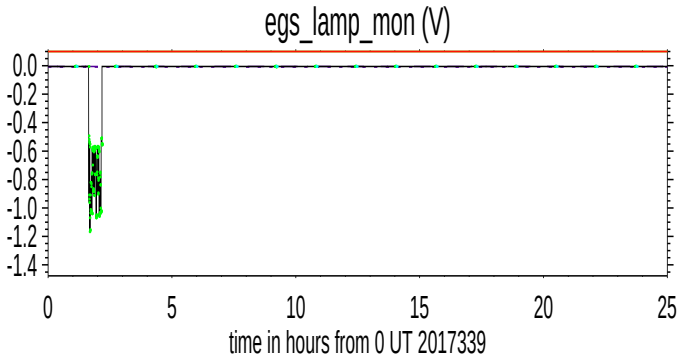
15
20
25
time in hours from 0 UT 2017339


egs_5 (V)
5.02
5.01
5.00
4.99
4.98
4.97
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017339


egs_lamp_mon (V)
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
-1.4
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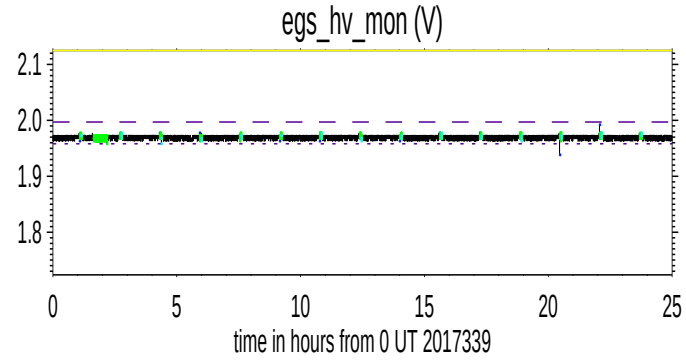
15
20
25
time in hours from 0 UT 2017339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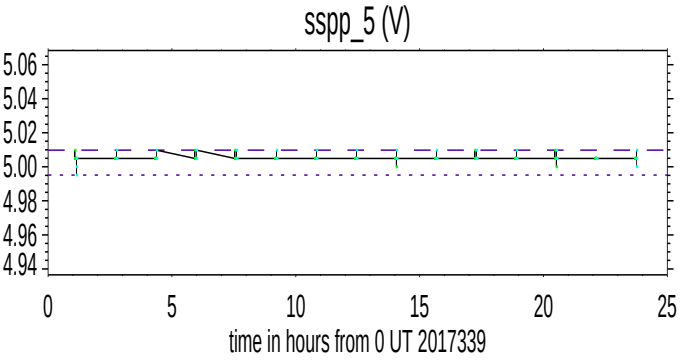
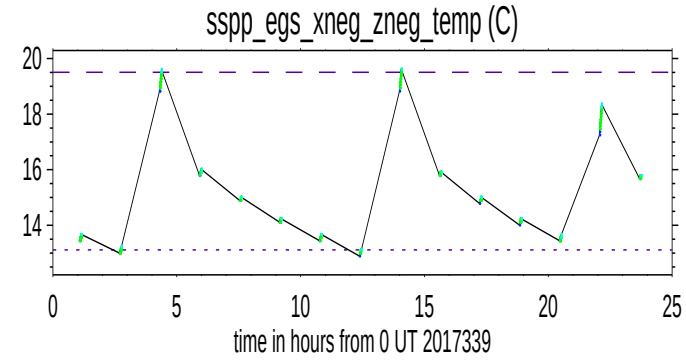
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2017339


sspp_5 (V)
5.06
5.04
5.02
5.00
4.98
4.96
4.94
0
5
10
15
20
25
time in hours from 0 UT 2017339


sspp_egs_xneg_zneg_temp (C)
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18
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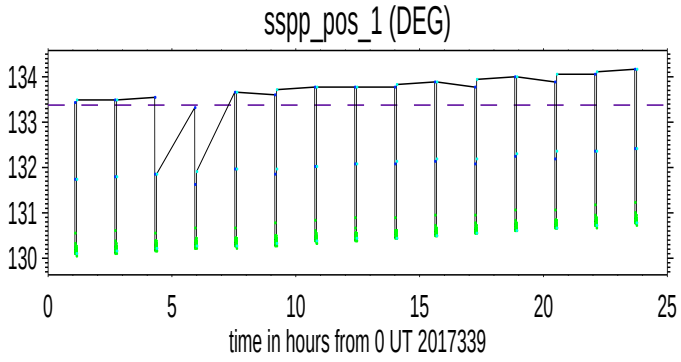
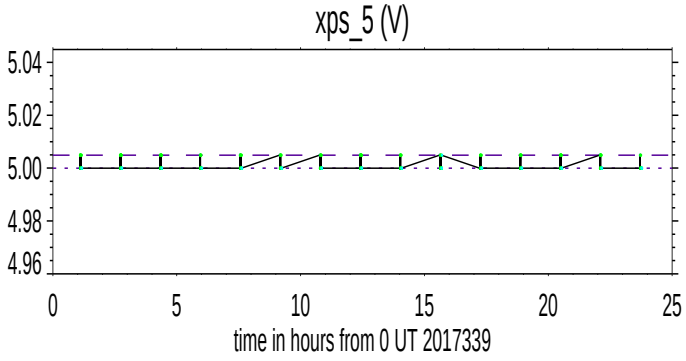
15
20
25
time in hours from 0 UT 2017339


sspp_pos_1 (DEG)
134
133
132
131
130
0
5
10
15
20
25
time in hours from 0 UT 2017339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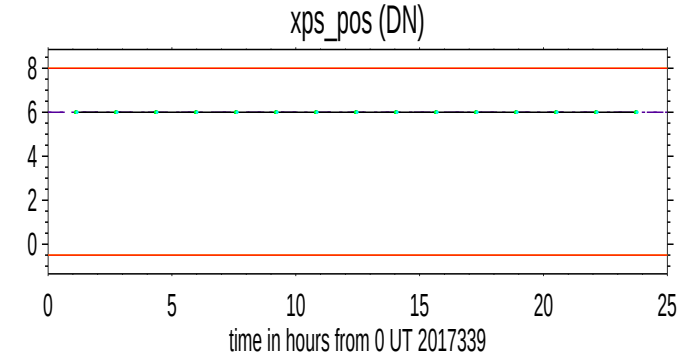
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2017339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4
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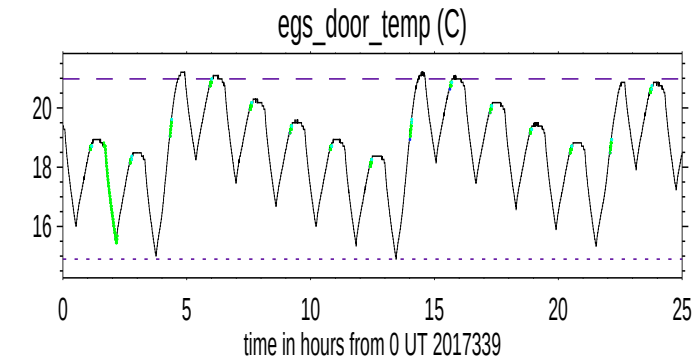
time in hours from 0 UT 2017339


egs_door_temp (C)
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5
10
15
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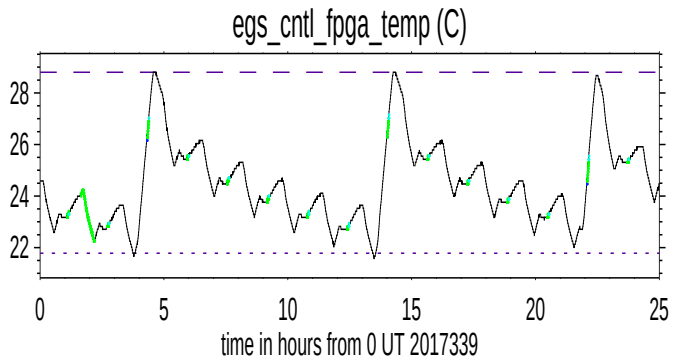
25
time in hours from 0 UT 2017339


egs_cntl_fpga_temp (C)
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26
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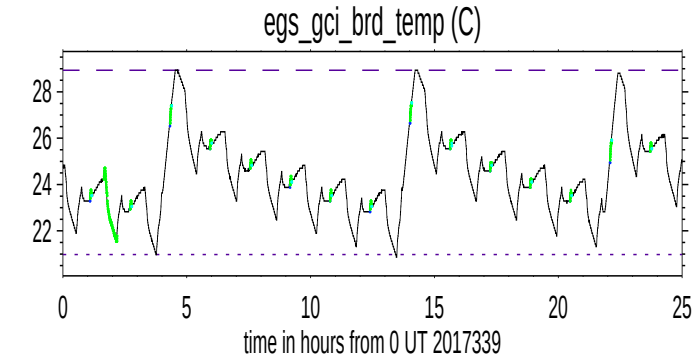
10
15
20
25
time in hours from 0 UT 2017339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26
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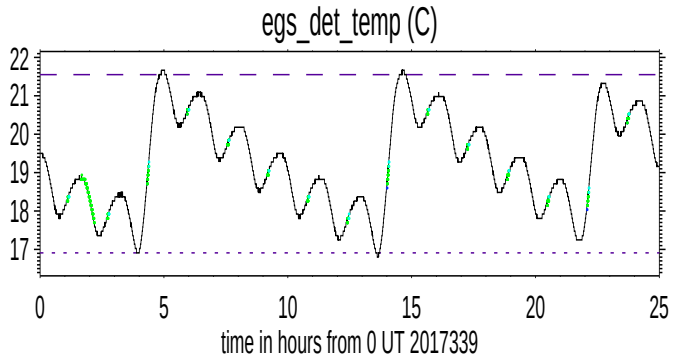
10
15
20
25
time in hours from 0 UT 2017339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21
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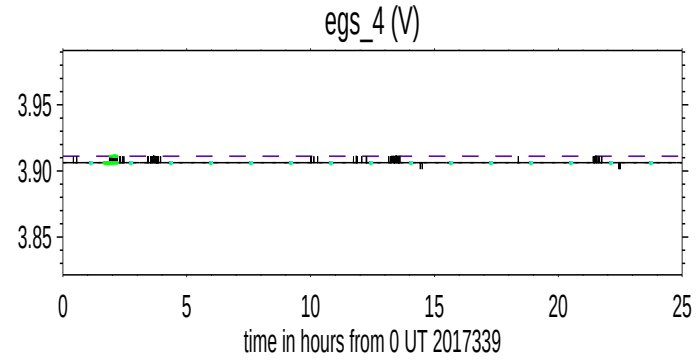
10
15
20
25
time in hours from 0 UT 2017339


egs_4 (V)
3.95
3.90
3.85
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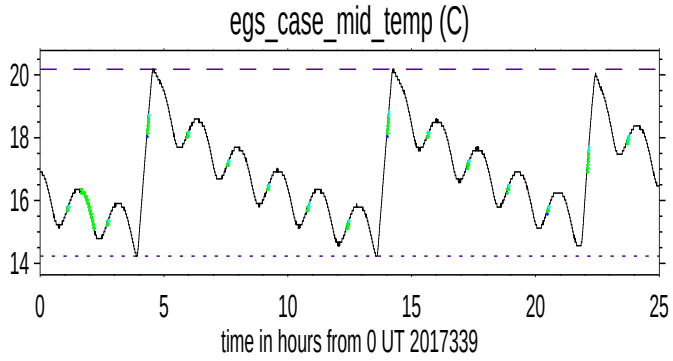
10
15
20
25
time in hours from 0 UT 2017339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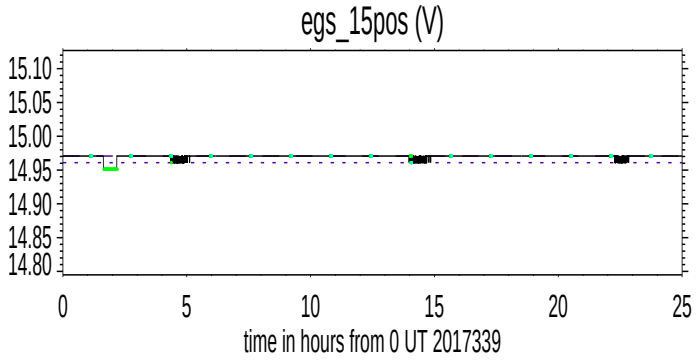
15
20
25
time in hours from 0 UT 2017339


egs_15pos (V)
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14.95
14.90
14.85
14.80
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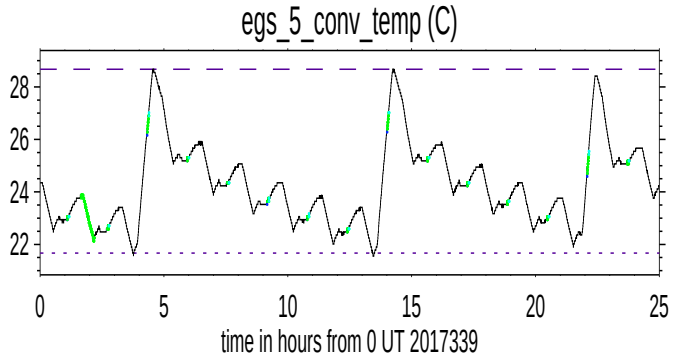
5
10
15
20
25
time in hours from 0 UT 2017339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26
24
22
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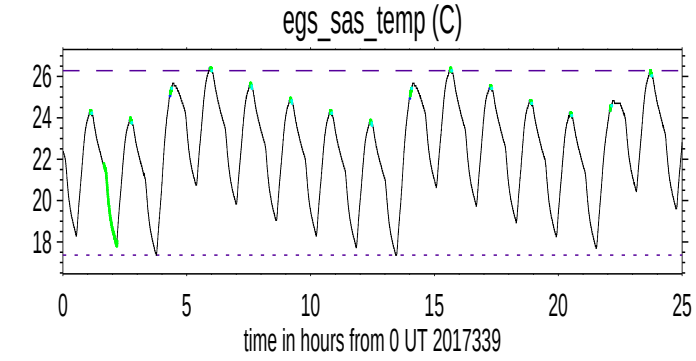
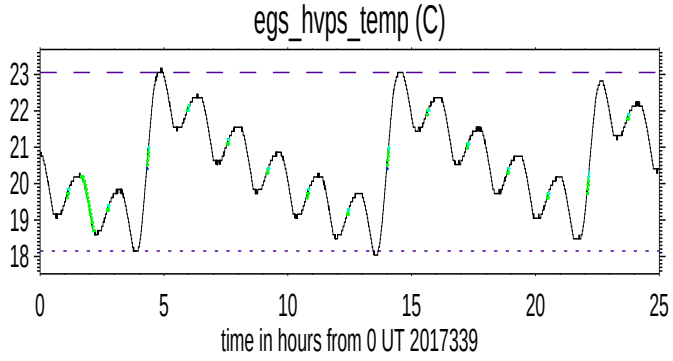
5
10
15
20
25
time in hours from 0 UT 2017339


egs_sas_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339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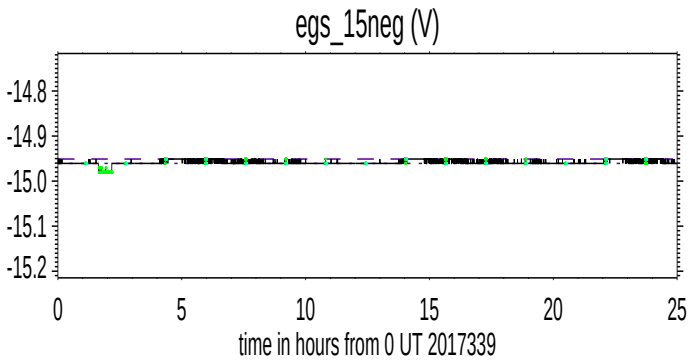
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2017339


egs_15neg (V)
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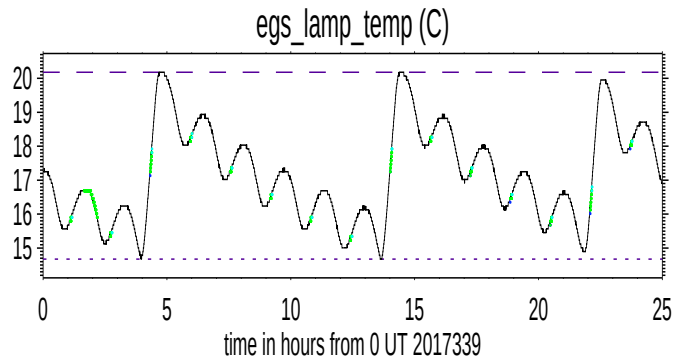
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2017339


egs_lamp_temp (C)
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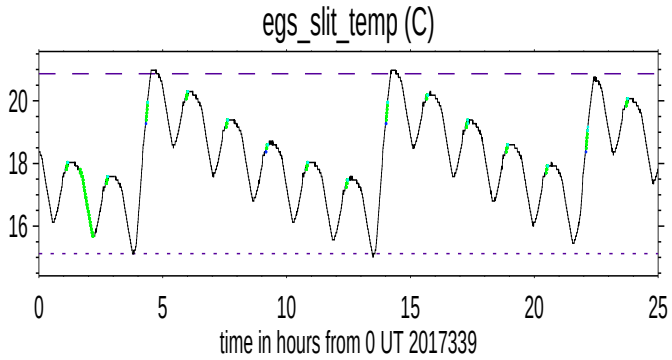
17
16
15
0 5 10 15 20 25
time in hours from 0 UT 2017339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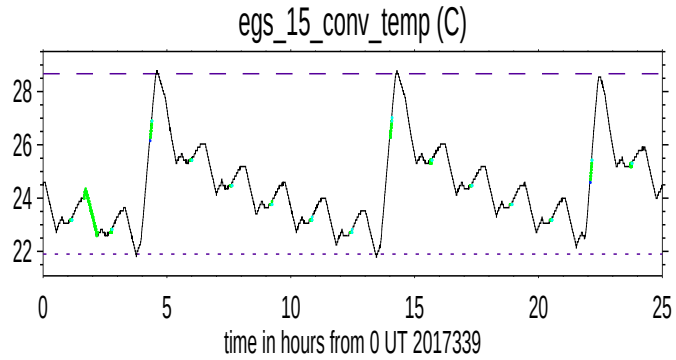
18
16
0 5 10 15 20 25
time in hours from 0 UT 2017339


egs_15_conv_temp (C)
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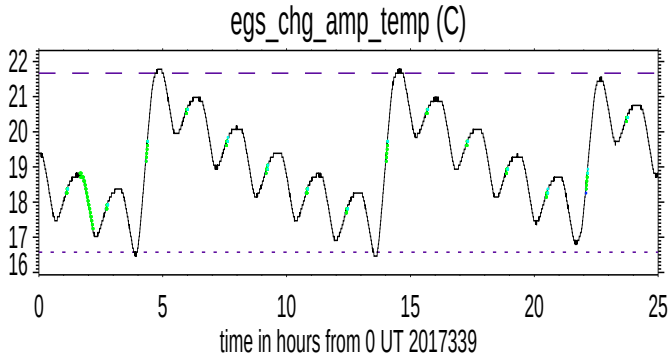
24
22
0 5 10 15 20 25
time in hours from 0 UT 2017339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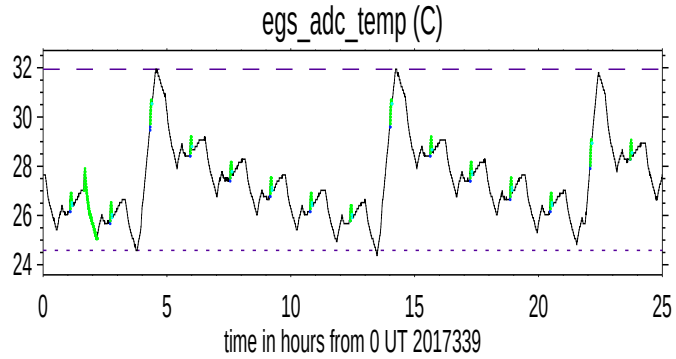
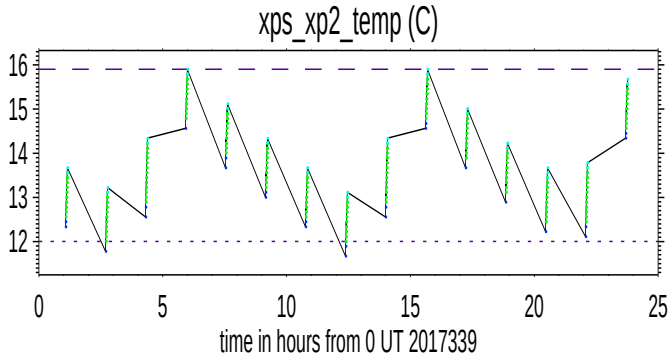
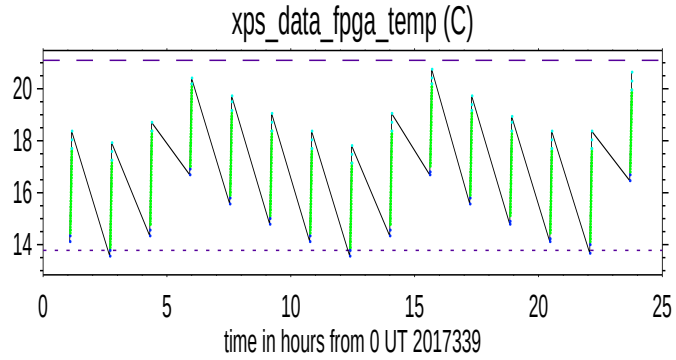
18
17
16
0 5 10 15 20 25
time in hours from 0 UT 2017339


egs_adc_temp (C)
32
30
28
26
24
0 5 10 15 20 25
time in hours from 0 UT 2017339


xps_xp2_temp (C)
16
15
14
13
12
0 5 10 15 20 25
time in hours from 0 UT 2017339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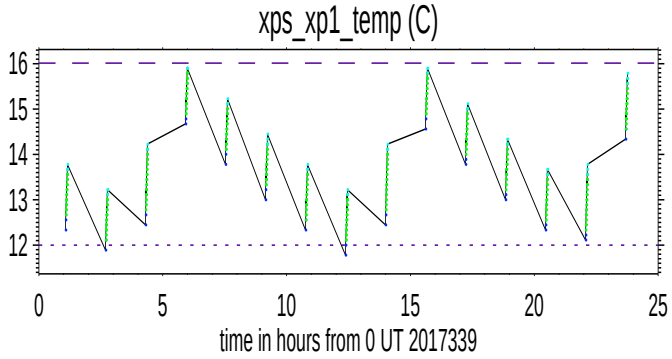
16
14
0 5 10 15 20 25
time in hours from 0 UT 2017339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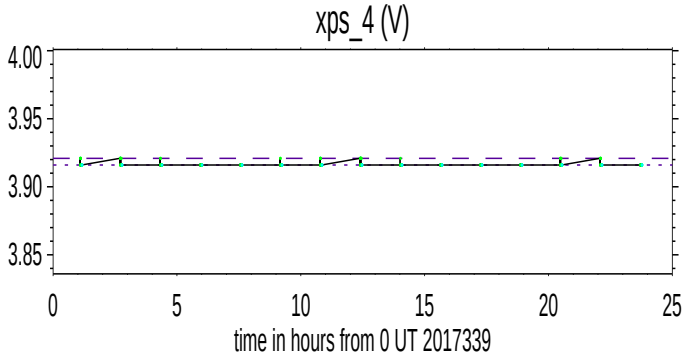
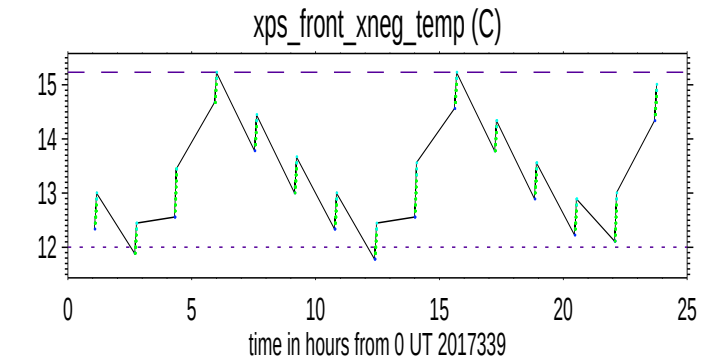
13
12
0 5 10 15 20 25
time in hours from 0 UT 2017339


xps_4 (V)
4.00
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2017339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12
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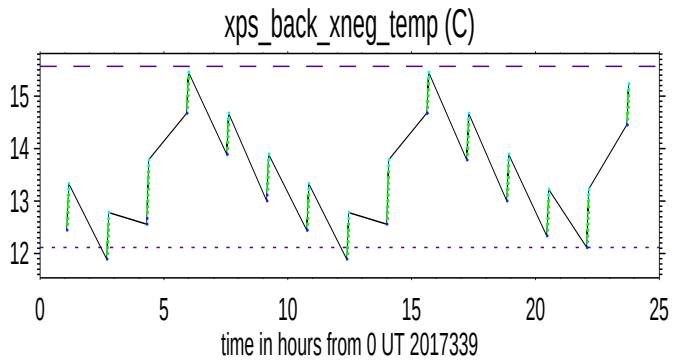
5
10
15
20
25
time in hours from 0 UT 2017339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12
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5
10
15
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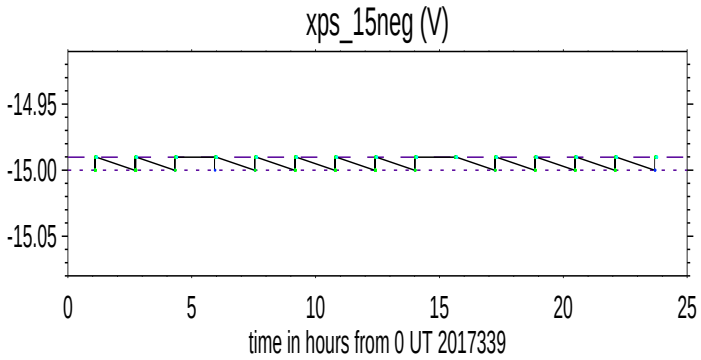
25
time in hours from 0 UT 2017339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-15.05
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5
10
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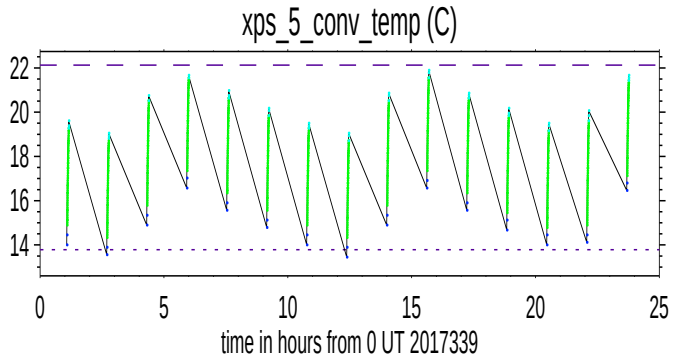
25
time in hours from 0 UT 2017339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5
10
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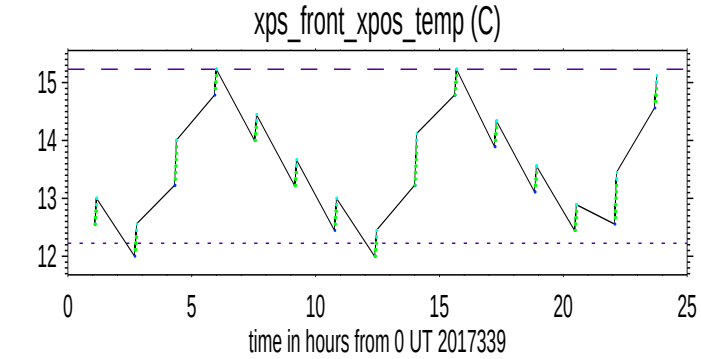
time in hours from 0 UT 2017339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12
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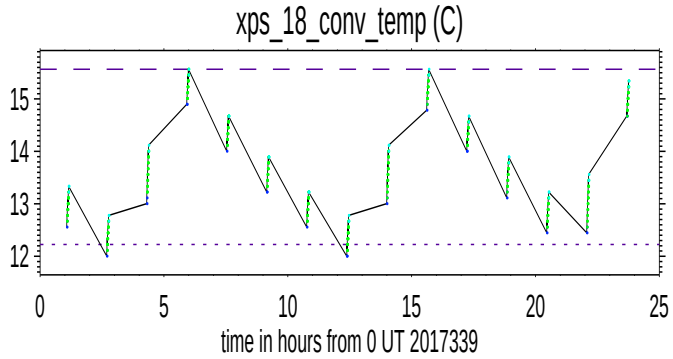
time in hours from 0 UT 2017339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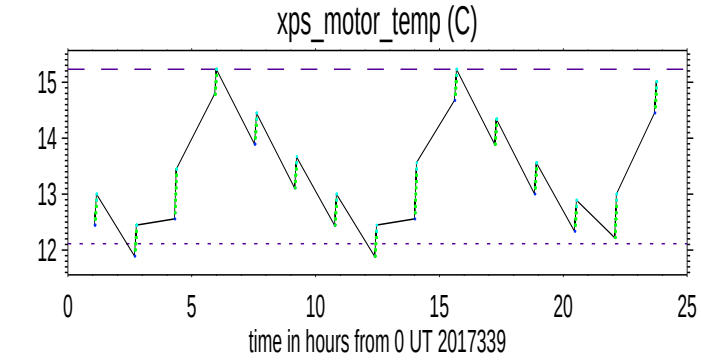
time in hours from 0 UT 2017339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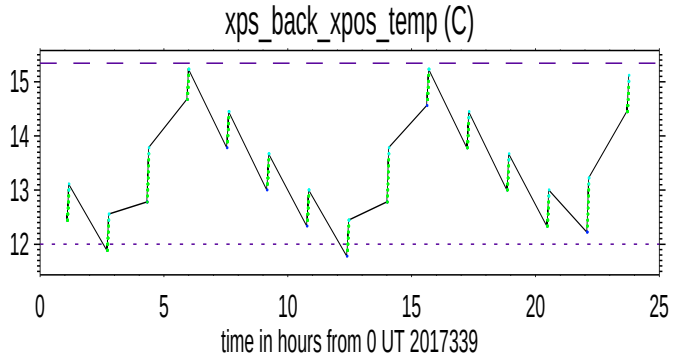
time in hours from 0 UT 2017339


xps_back_xpos_temp (C)
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12
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10
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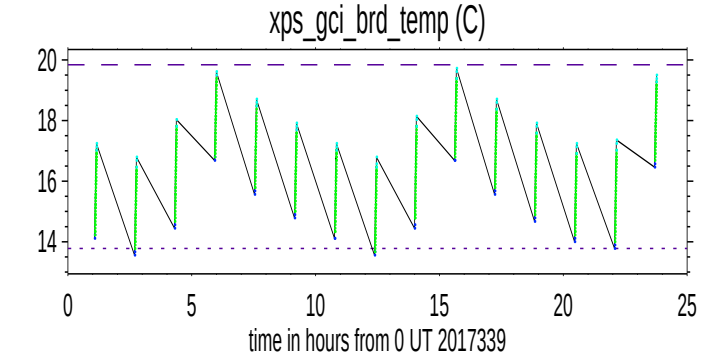
time in hours from 0 UT 2017339


xps_gci_brd_temp (C)
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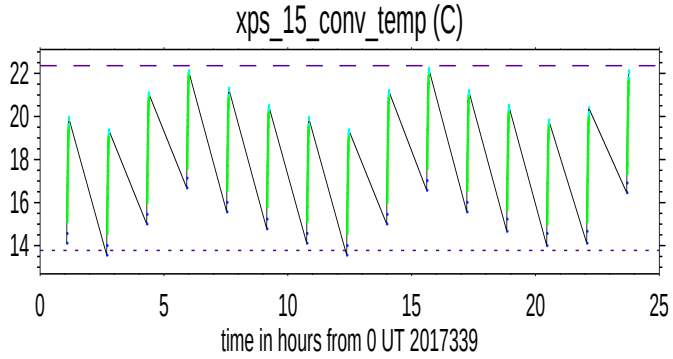
10
15
20
25
time in hours from 0 UT 2017339


xps_15_conv_temp (C)
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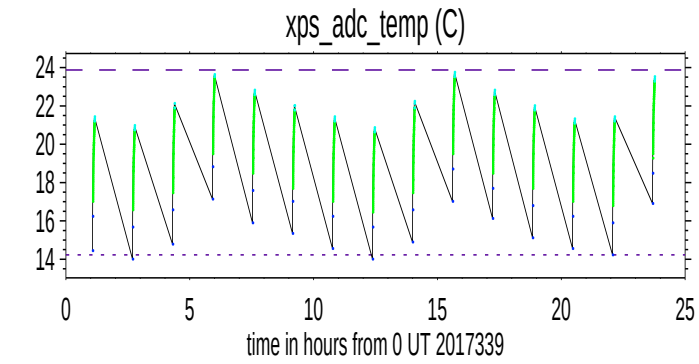
14
0
5
10
15
20
25
time in hours from 0 UT 2017339


xps_adc_temp (C)
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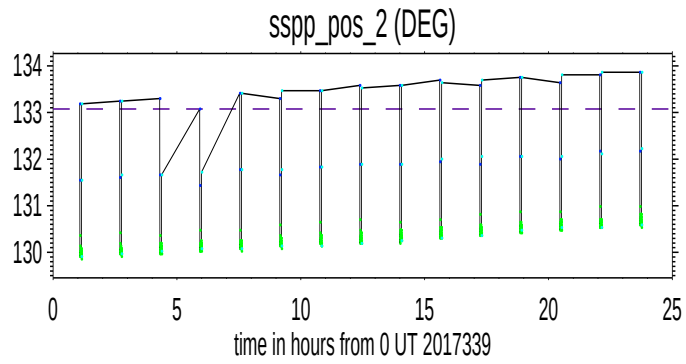
20
25
time in hours from 0 UT 2017339


sspp_pos_2 (DEG)
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130
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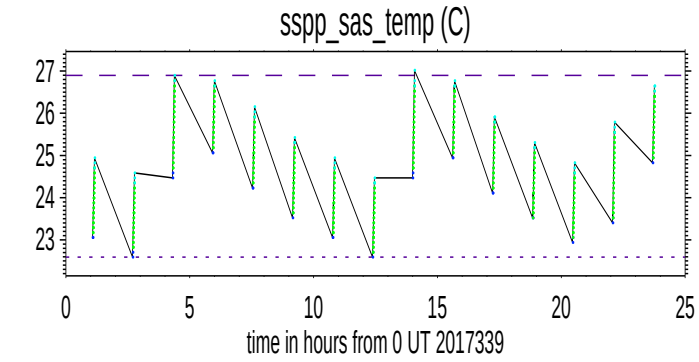
5
10
15
20
25
time in hours from 0 UT 2017339


sspp_sas_temp (C)
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5
10
15
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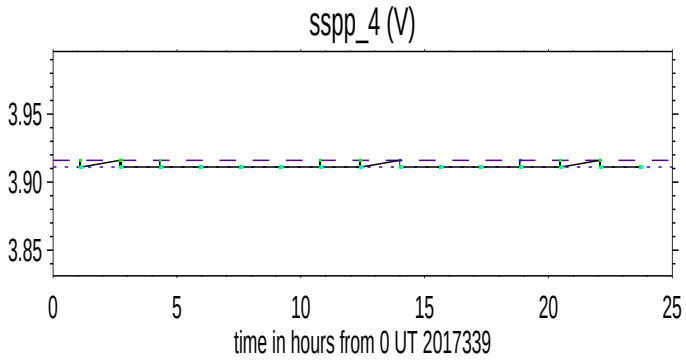
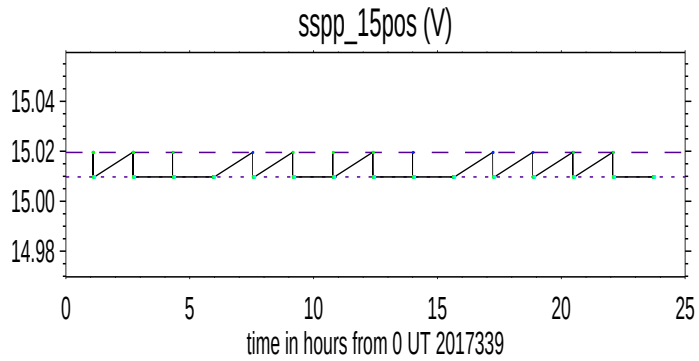
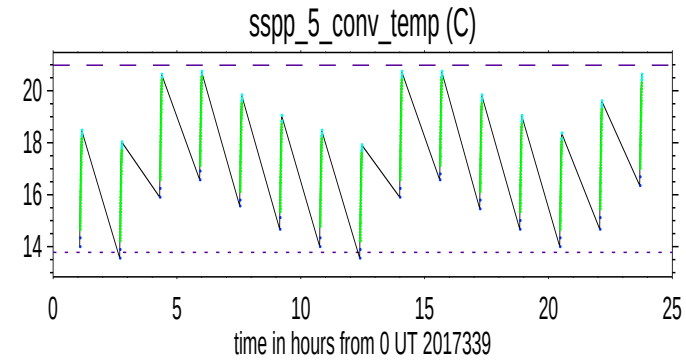
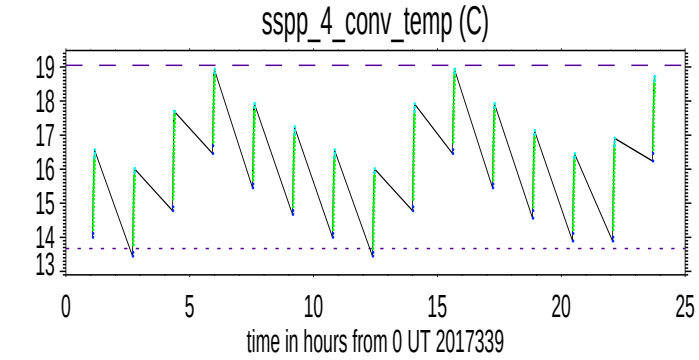
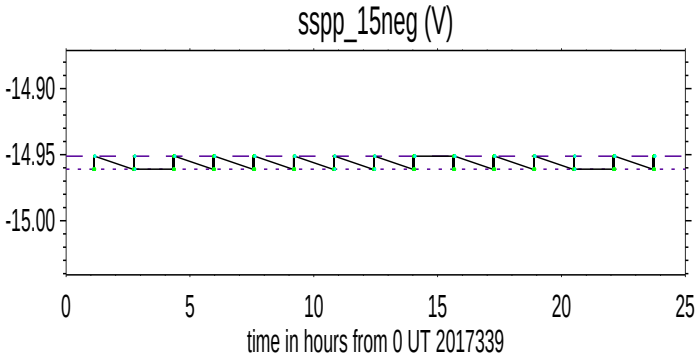
25
time in hours from 0 UT 2017339

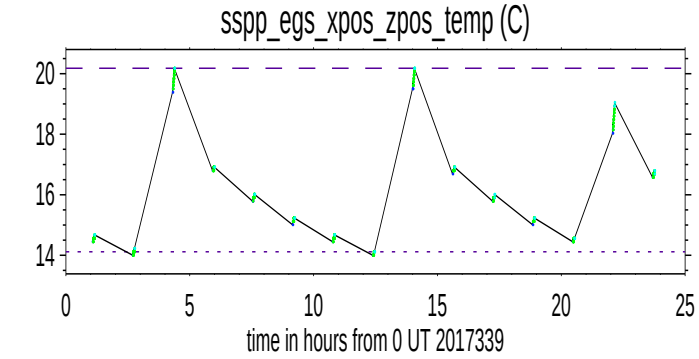

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017339

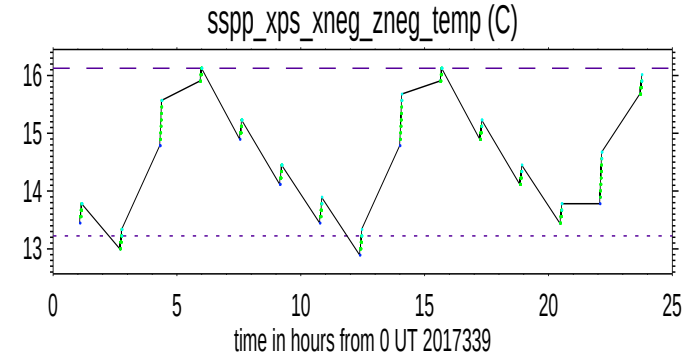

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2017339

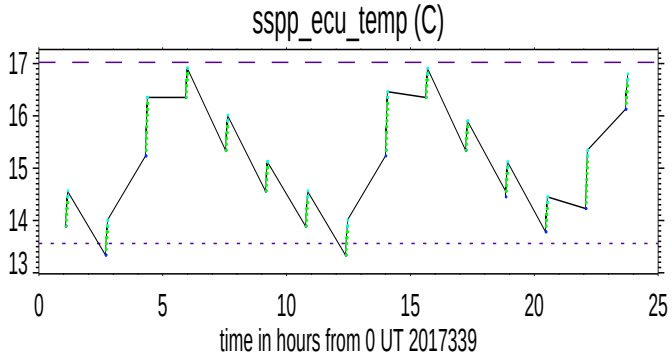

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017339

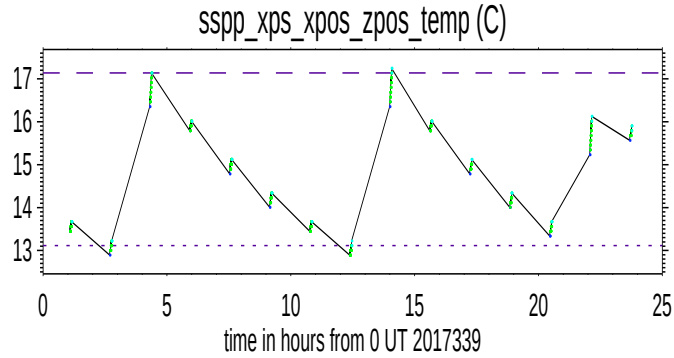

sspp_4_conv_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

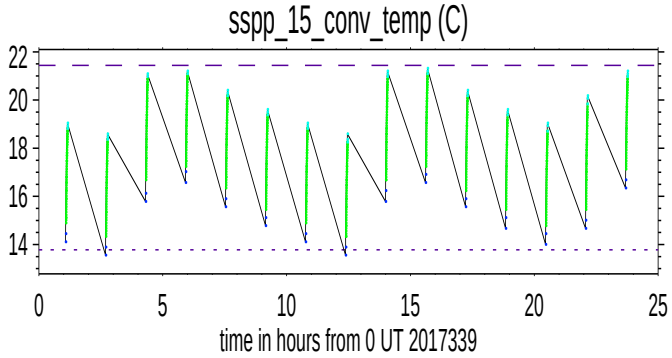

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017339

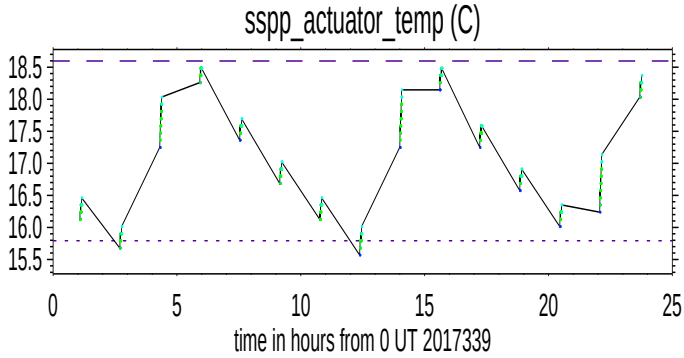

sspp_egs_xpos_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017339

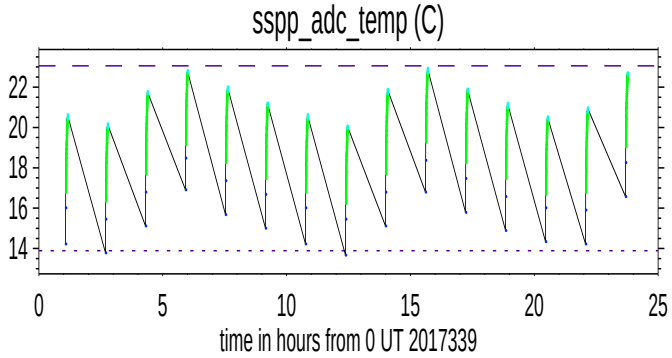

sspp_xps_xneg_zneg_temp (C)
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

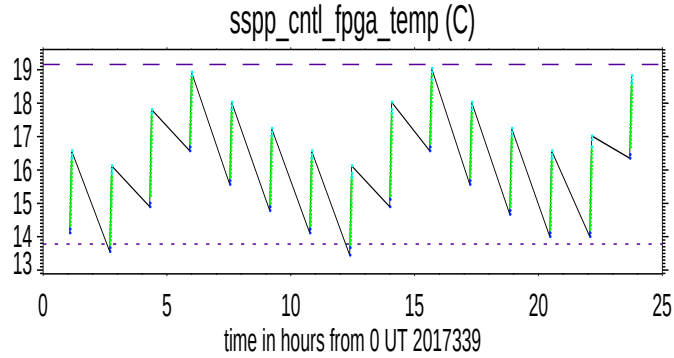

sspp_ecu_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

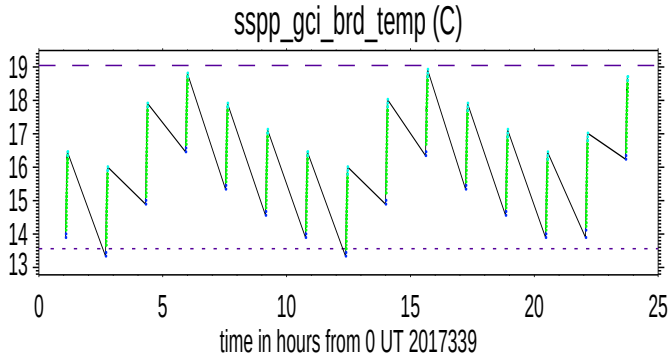

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

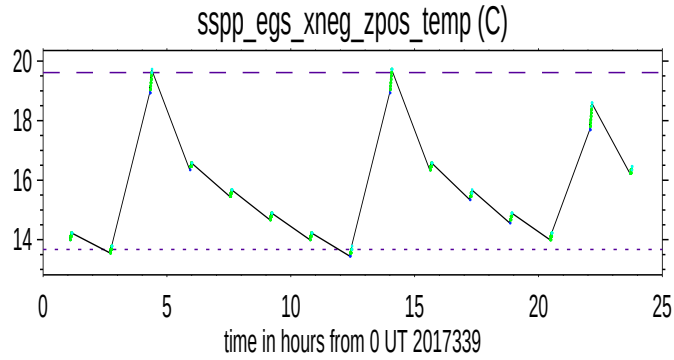

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017339

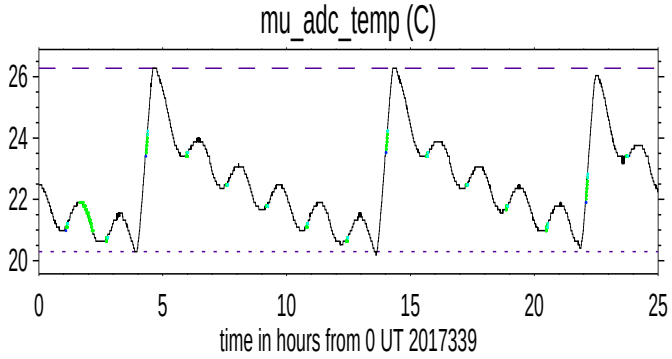

sspp_actuator_temp (C)
18.5
18.0
17.5
17.0
16.5
16.0
15.5
0
5
10
15
20
25
time in hours from 0 UT 2017339

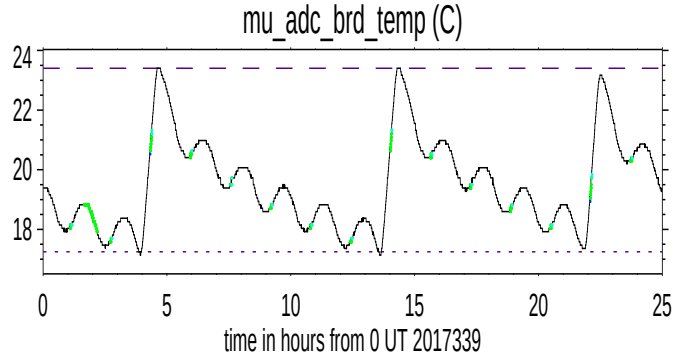

sspp_adc_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017339

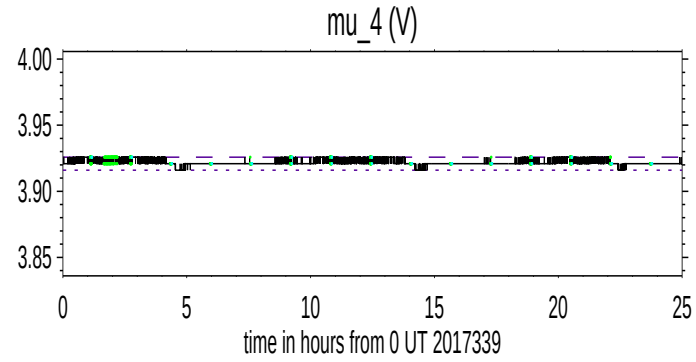

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

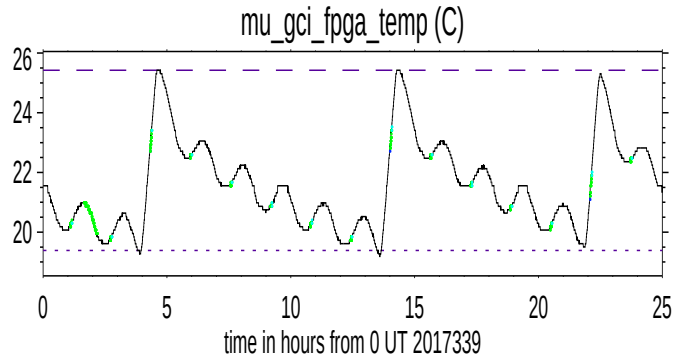

sspp_gci_brd_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2017339

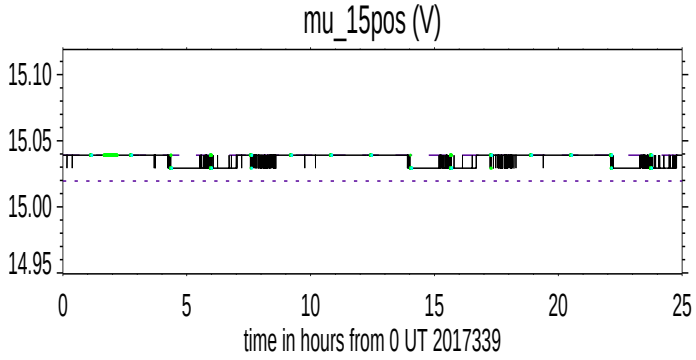

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2017339

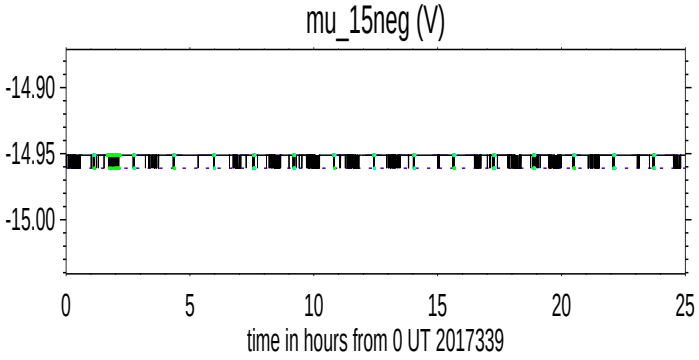

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017339

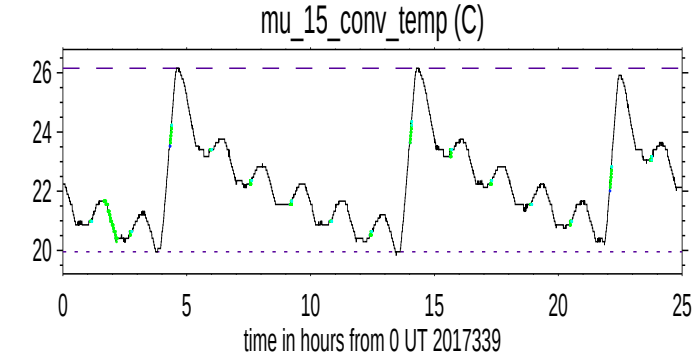

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

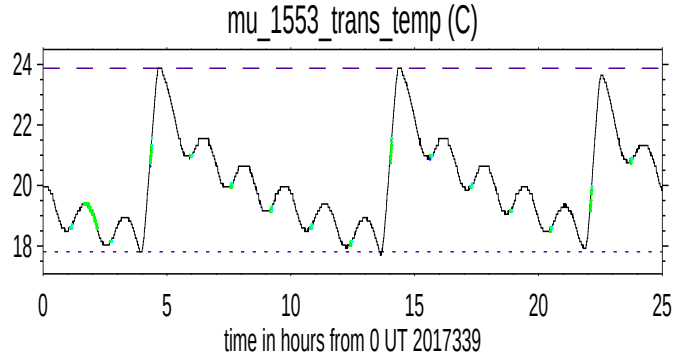

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2017339

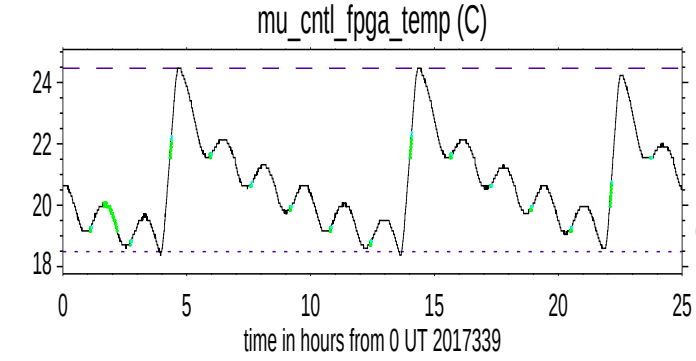

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017339

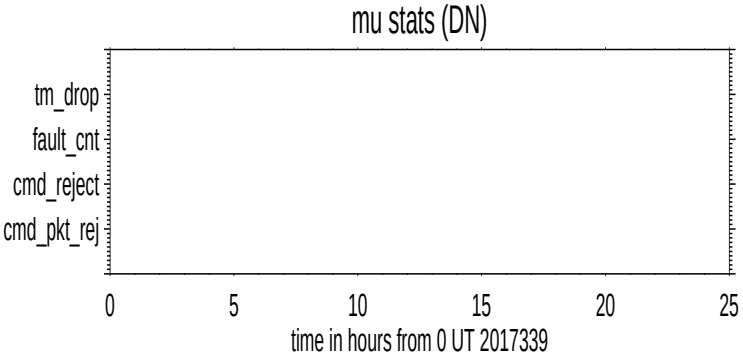

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2017339

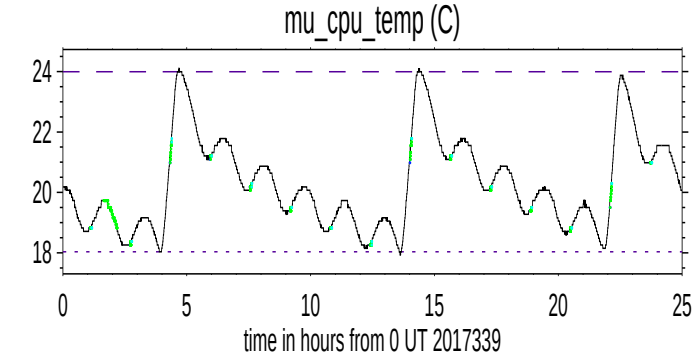

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2017339

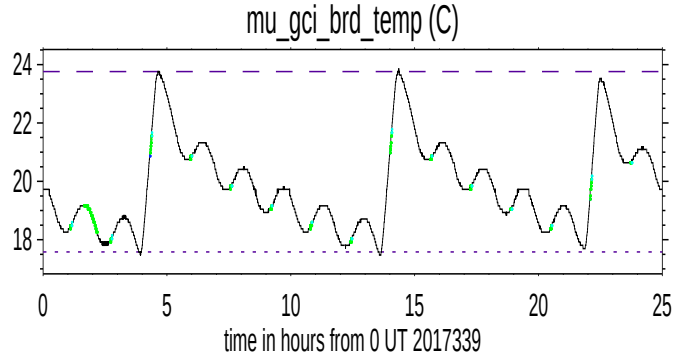

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2017339

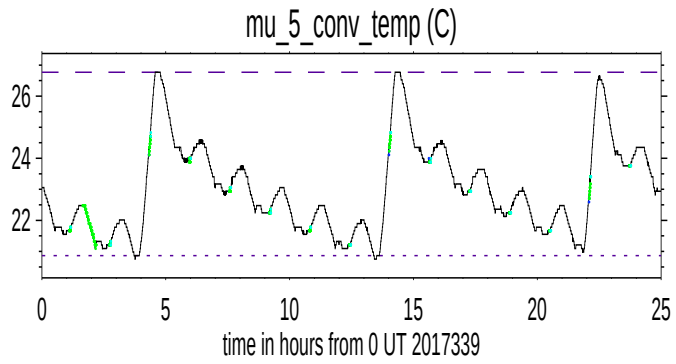

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

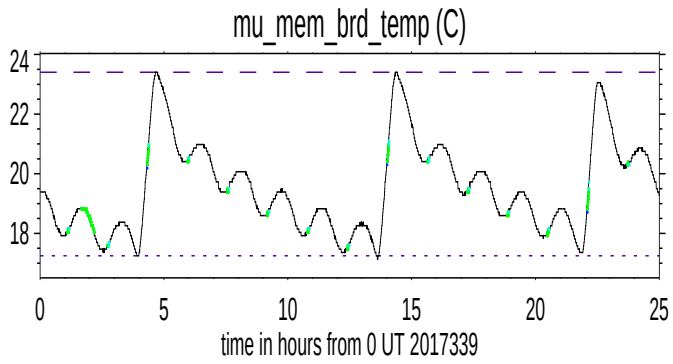

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

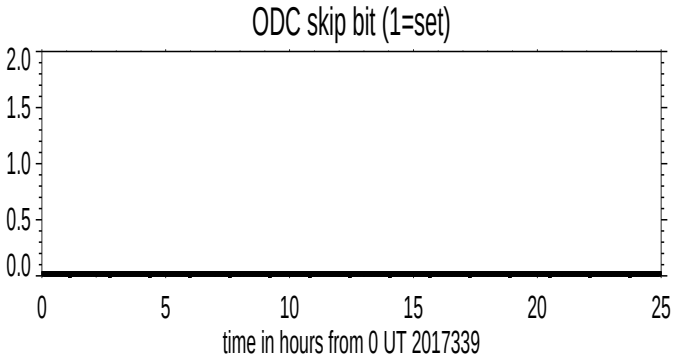

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2017339

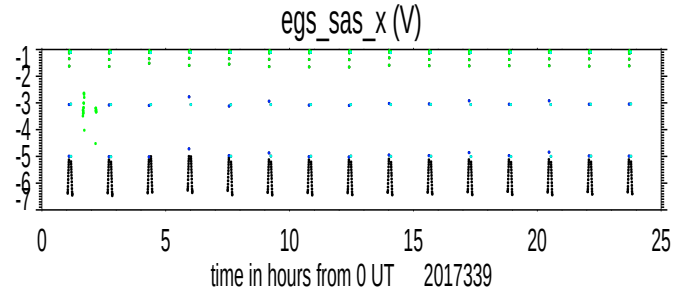

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

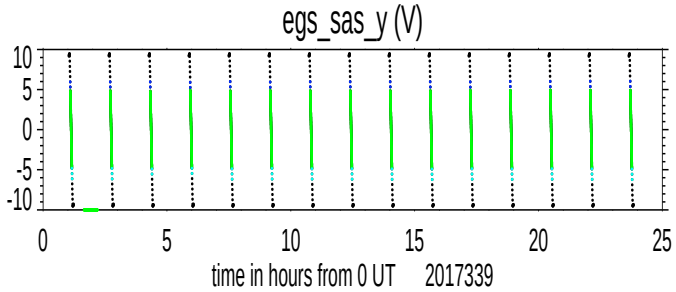

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

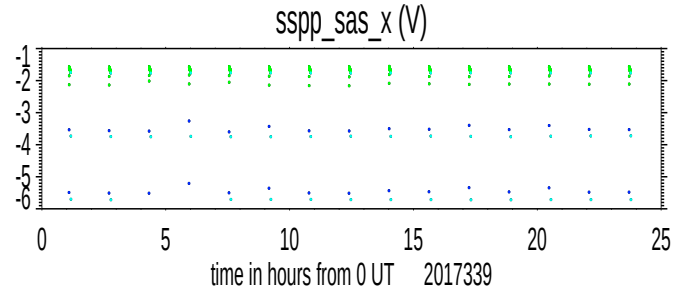

mu_5_conv_temp (C)
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2017339

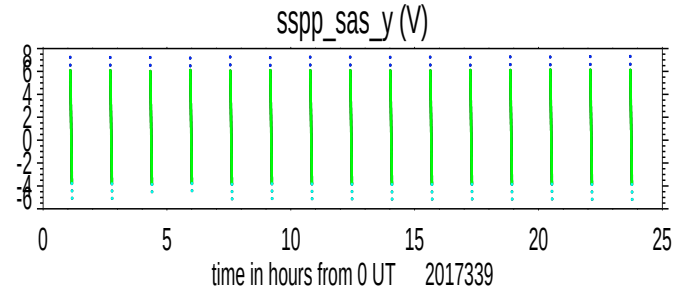

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2017339

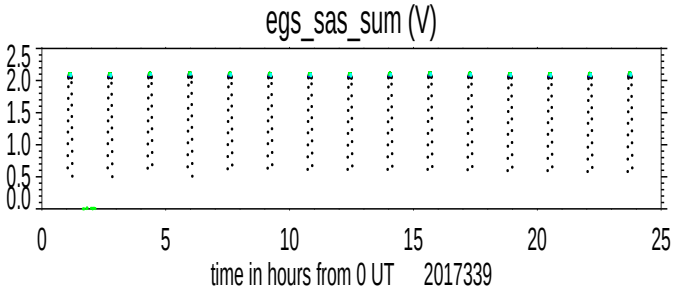

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2017339

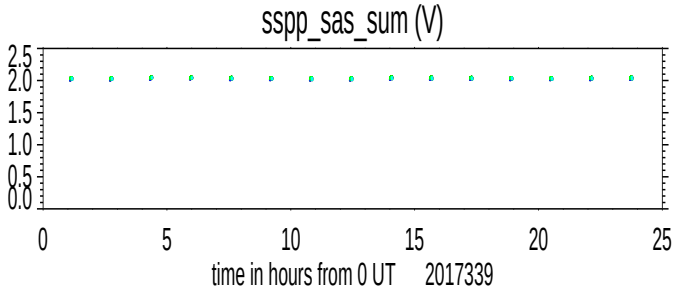

egs_sas_x (V)
time in hours from 0 UT 2017339

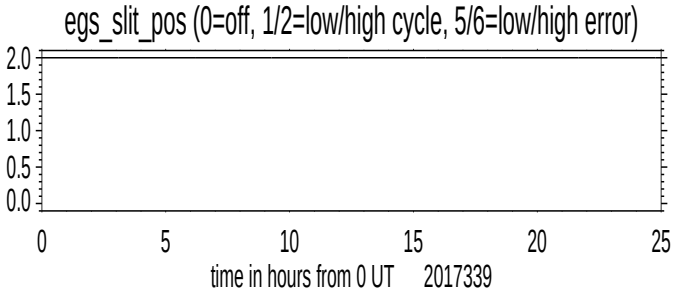

egs_sas_y (V)
time in hours from 0 UT 2017339

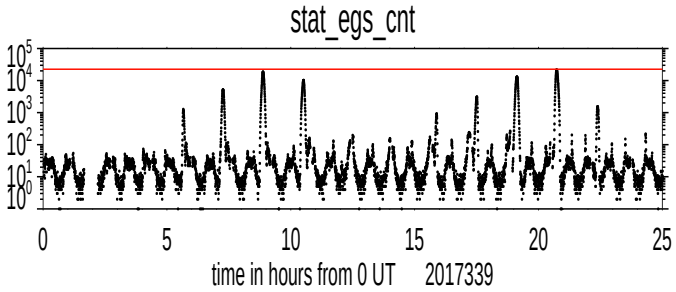

sspp_sas_x (V)
time in hours from 0 UT 2017339

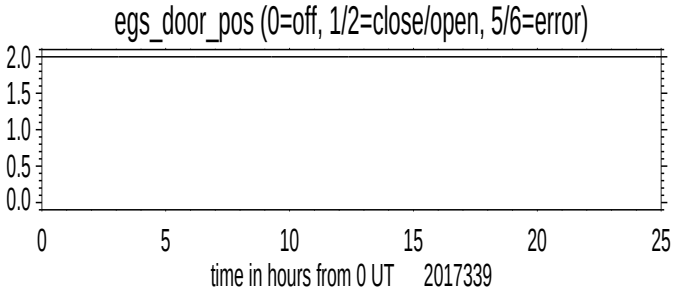

sspp_sas_y (V)
time in hours from 0 UT 2017339

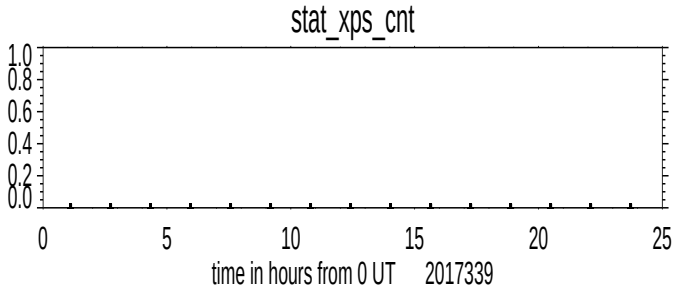

egs_sas_sum (V)
time in hours from 0 UT 2017339

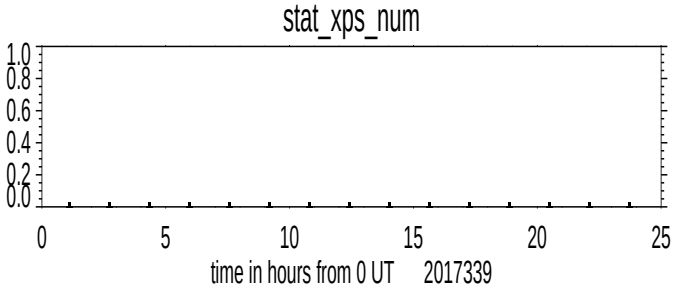

sspp_sas_sum (V)
time in hours from 0 UT 2017339

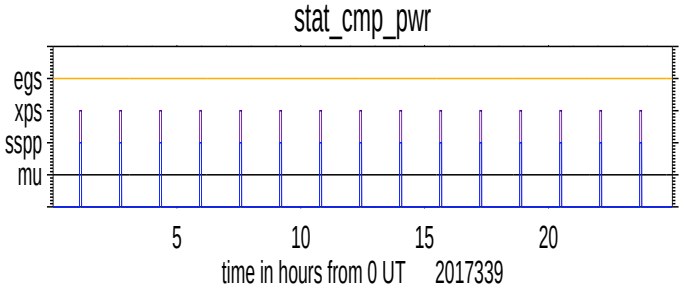

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2017339


stat_egs_cnt
time in hours from 0 UT 2017339

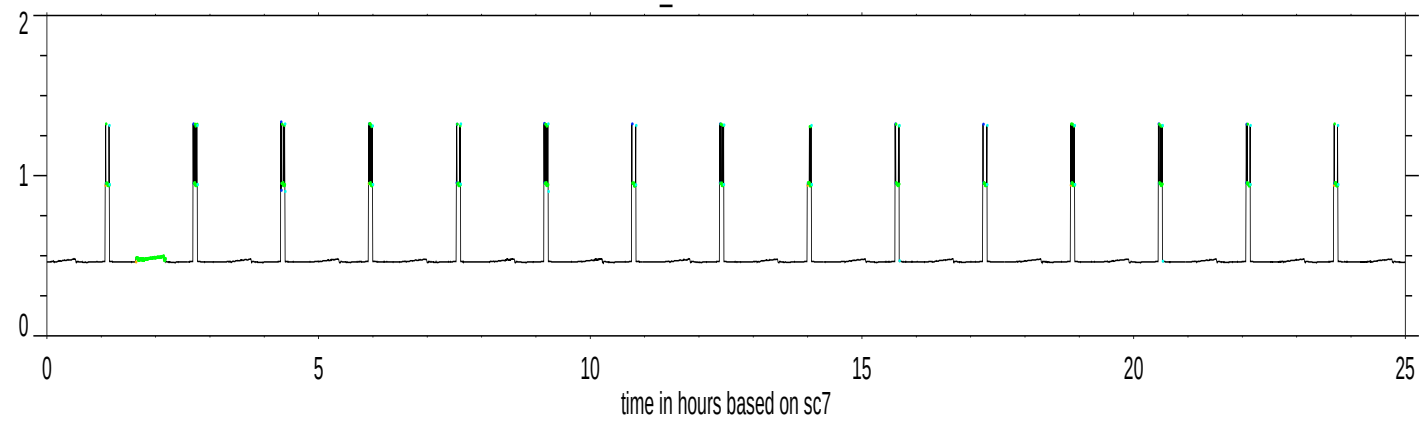

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2017339


stat_xps_cnt
time in hours from 0 UT 2017339

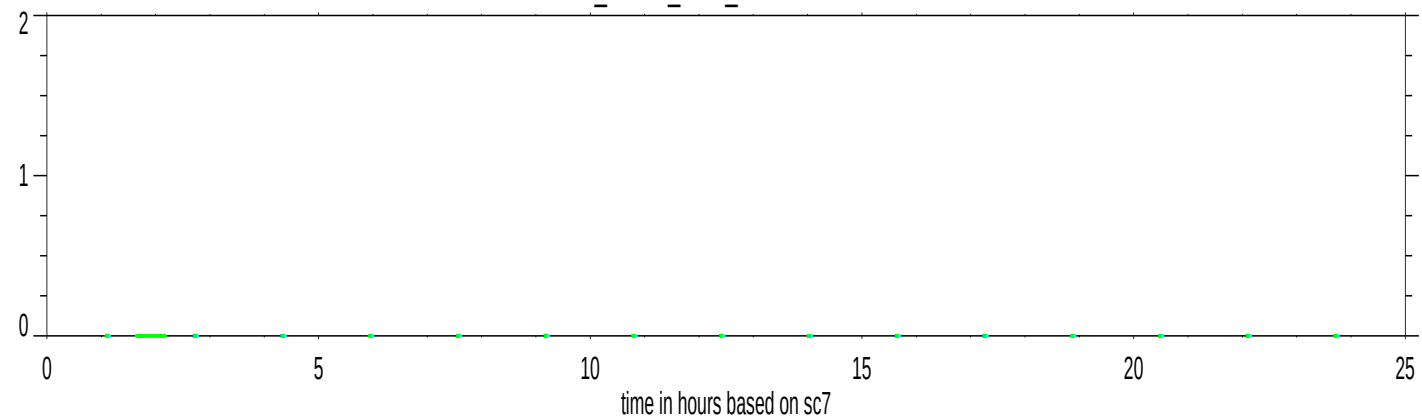

stat_xps_num
time in hours from 0 UT 2017339


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2017339

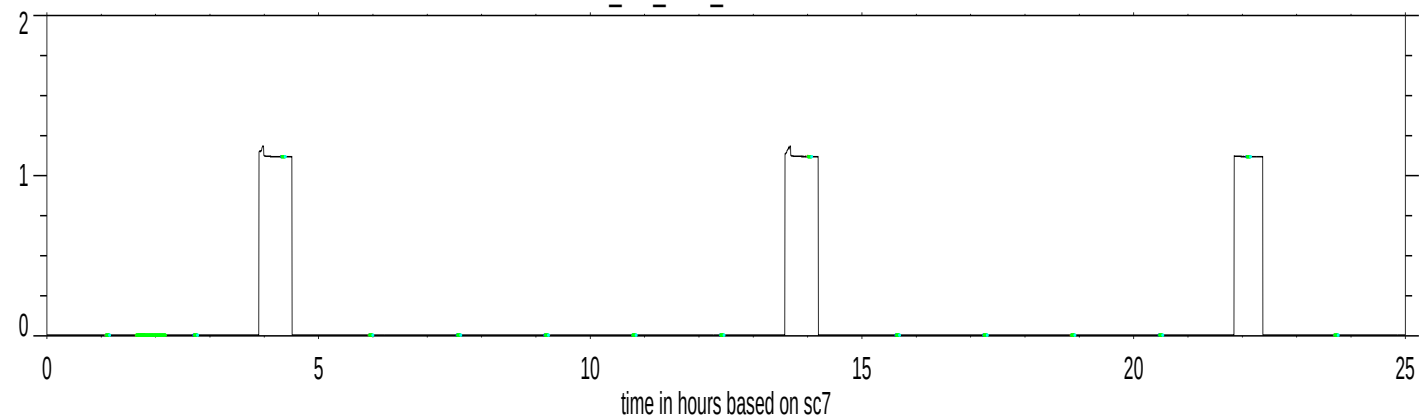
SEE_CUR 2017339



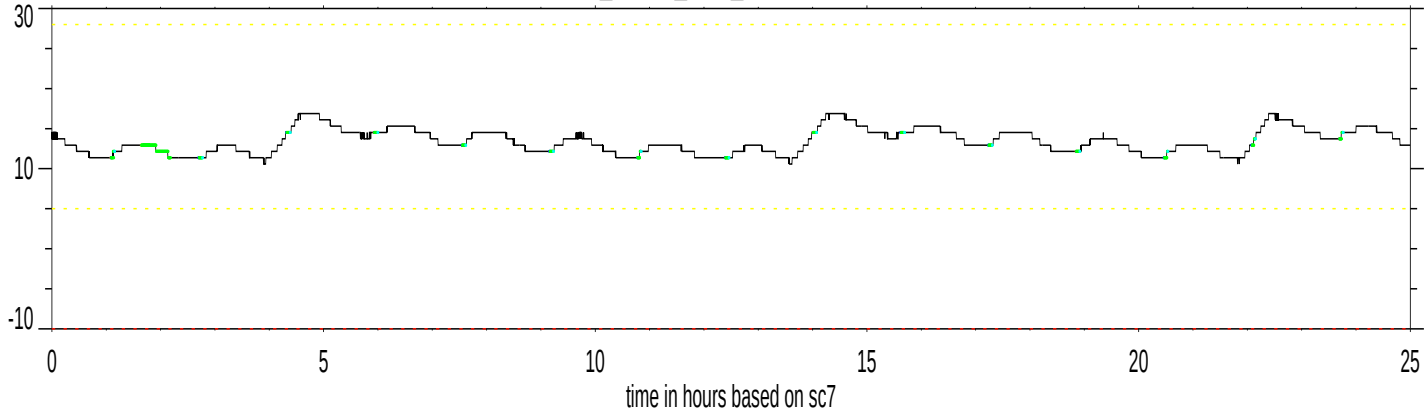
SEE_SURV_HTR_CUR 2017339



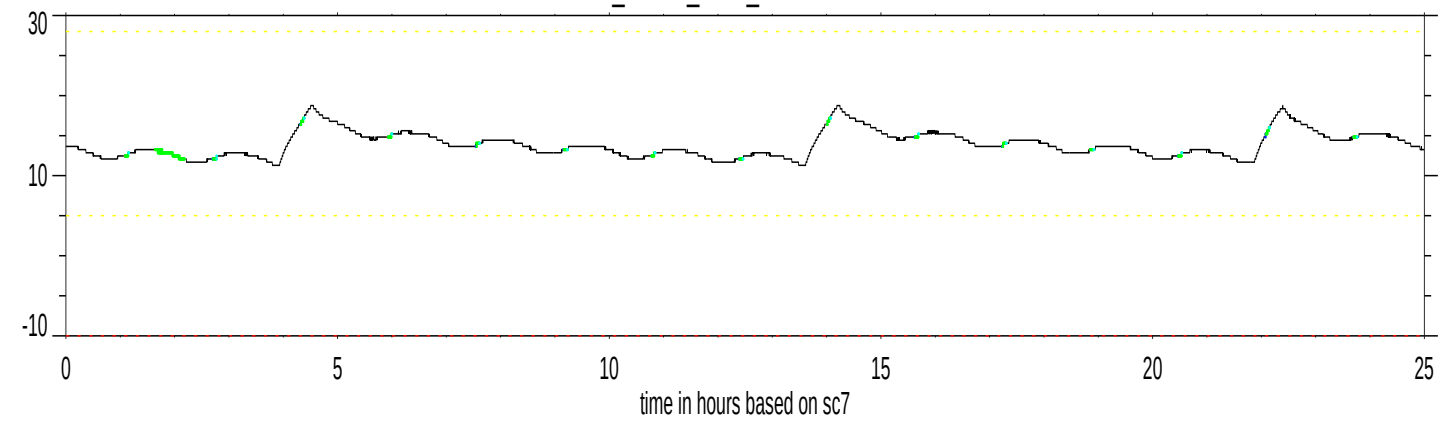
SEE_OP_HTR_CUR 2017339



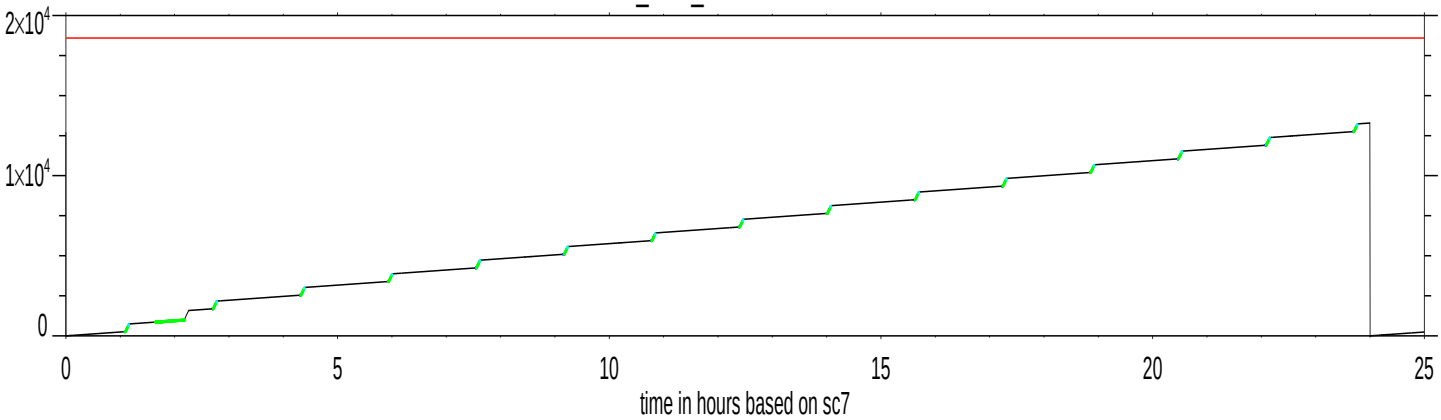
SSPP_BHND_XPS_TEMP 2017339



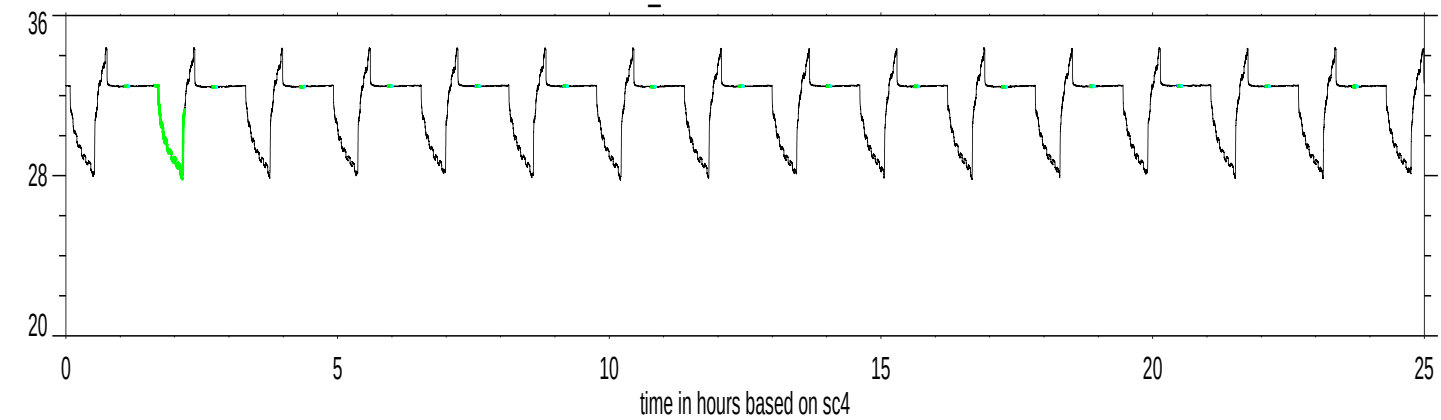
SSPP_BHND_MTR_TEMP 2017339



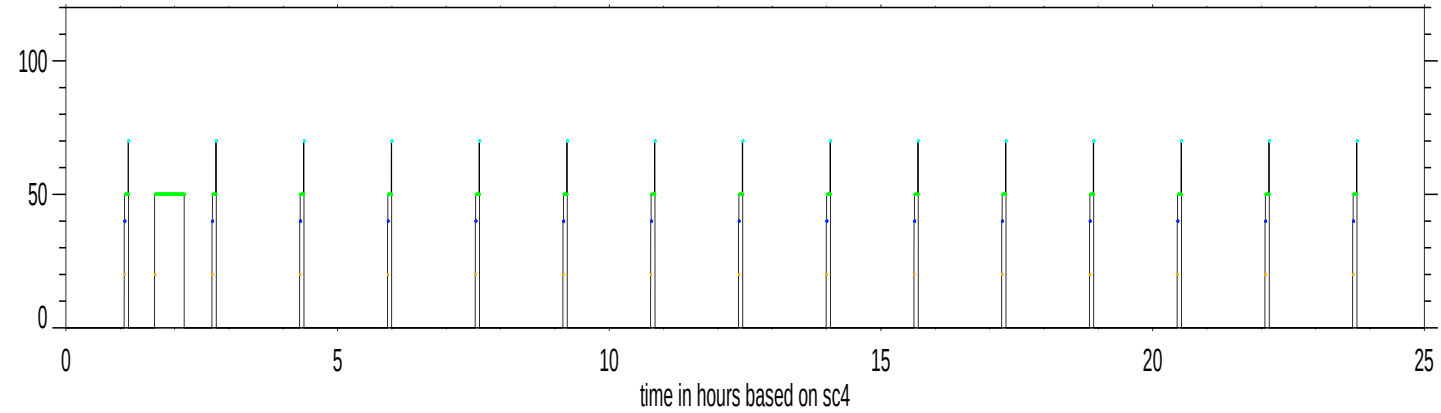
SEE_PKT_COUNT 2017339

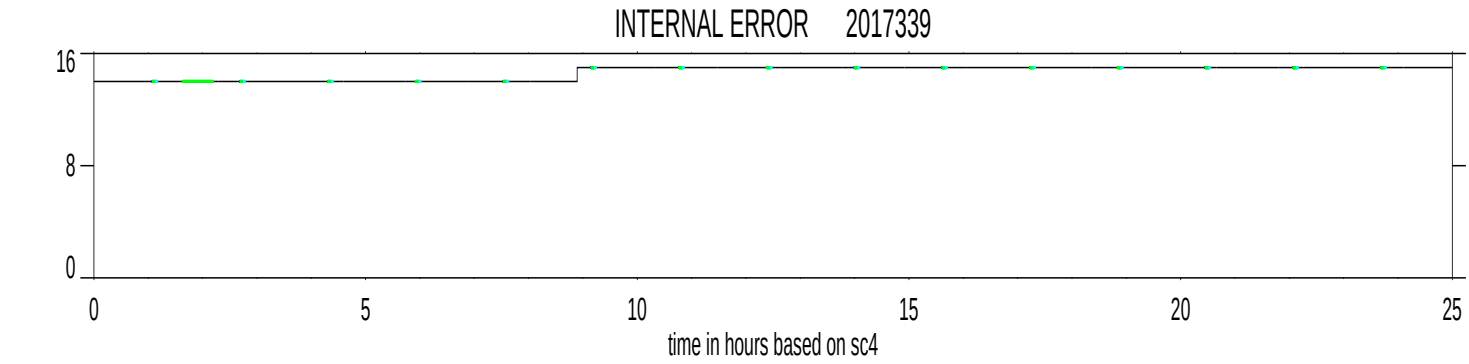


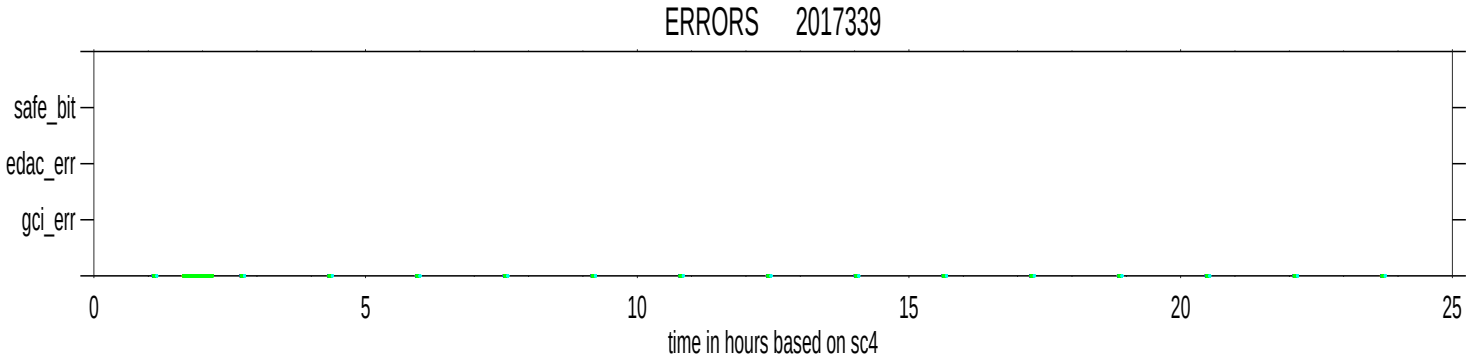
BUS_VOLTAGE 2017339

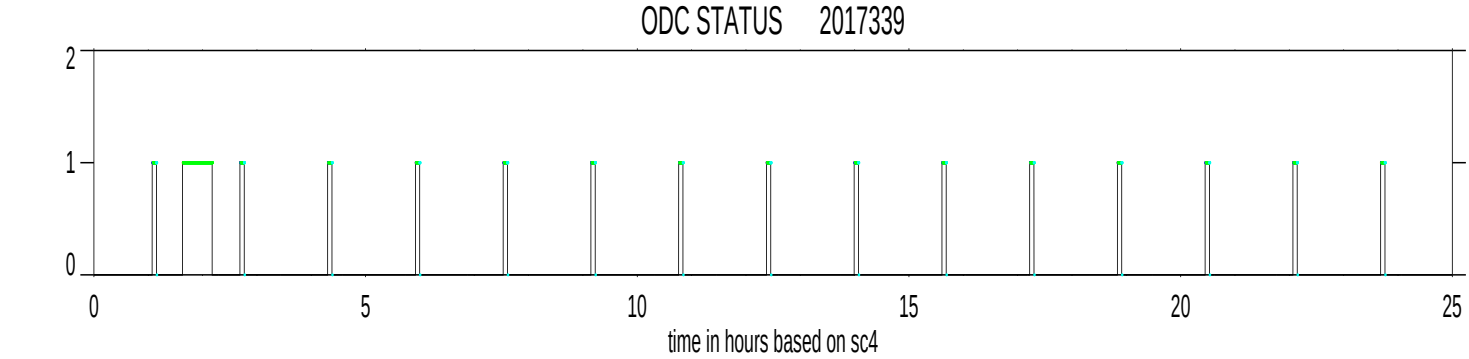


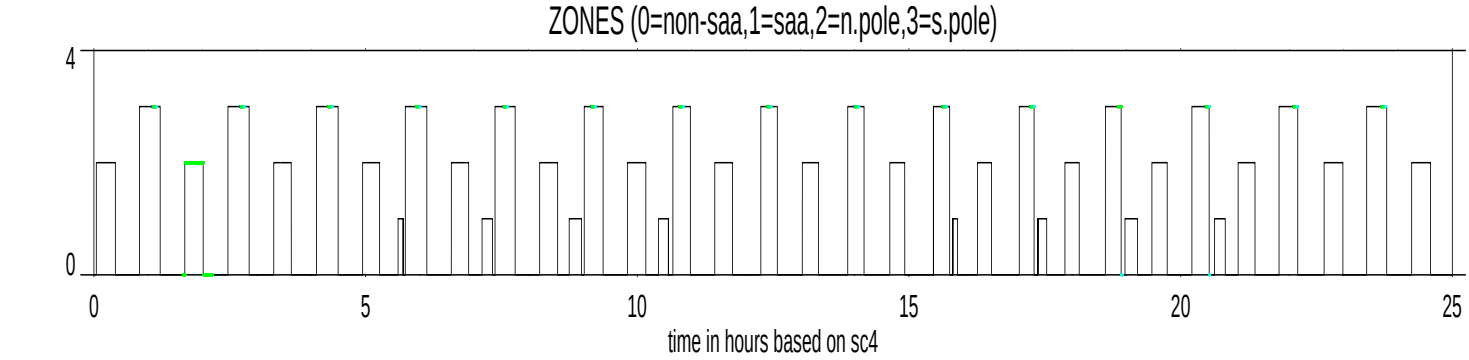
SEE_MU Operational Mode 2017339

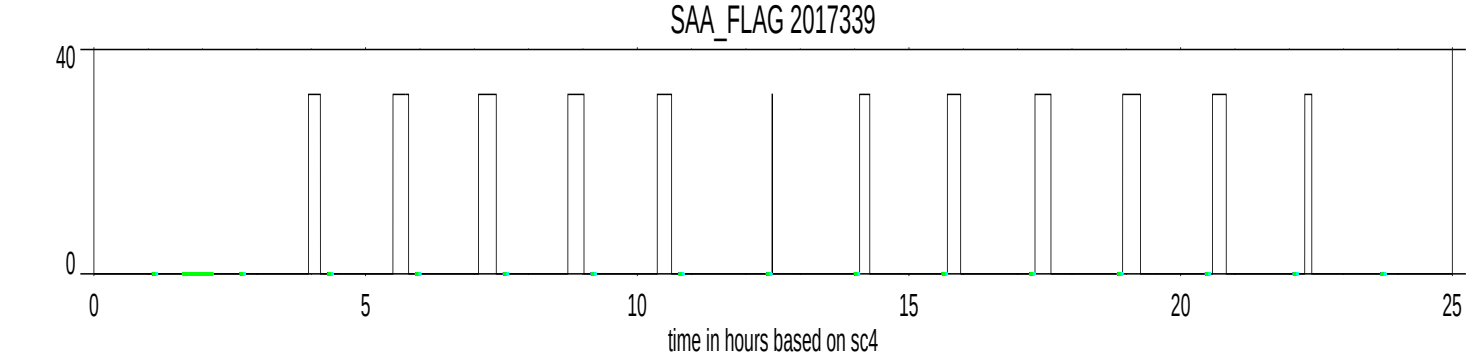


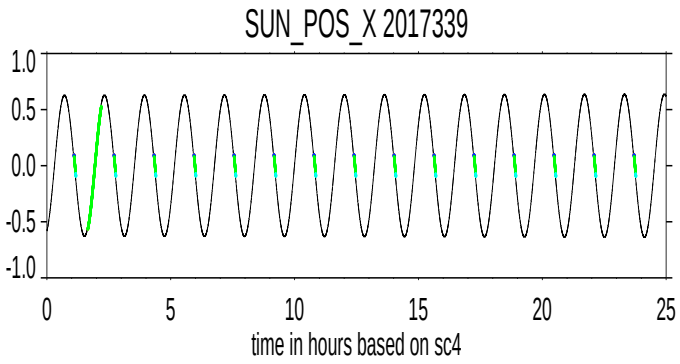

INTERNAL ERROR 2017339
16
8
0
0
5
10
15
20
25
time in hours based on sc4

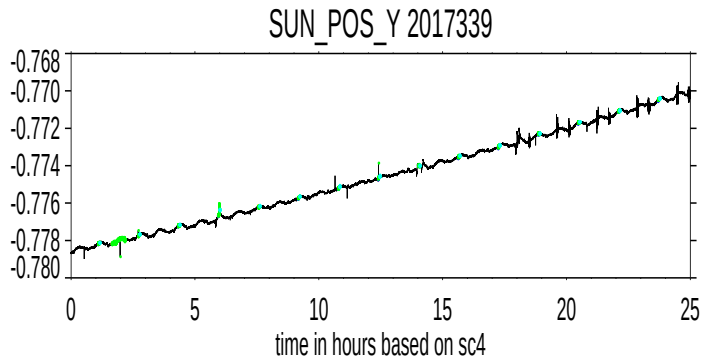

ERRORS 2017339
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

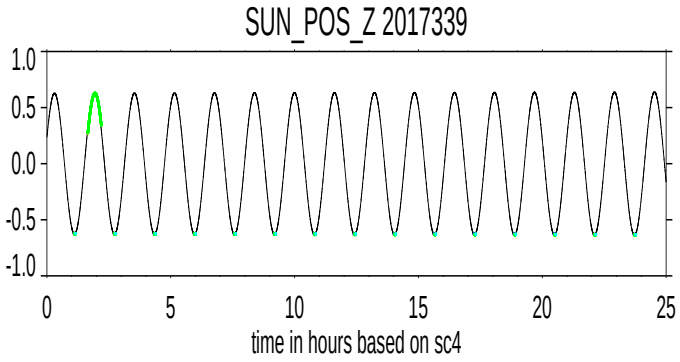

ODC STATUS 2017339
2
1
0
0
5
10
15
20
25
time in hours based on sc4

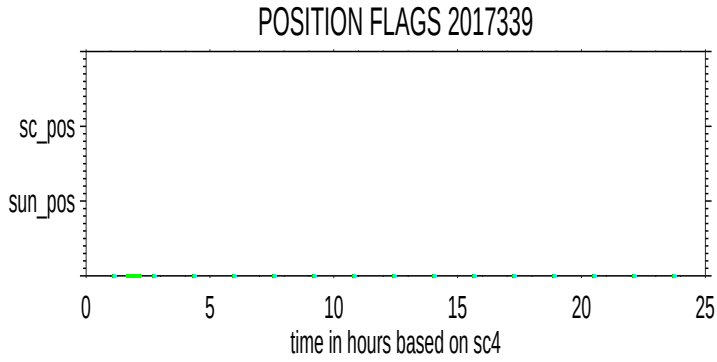

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

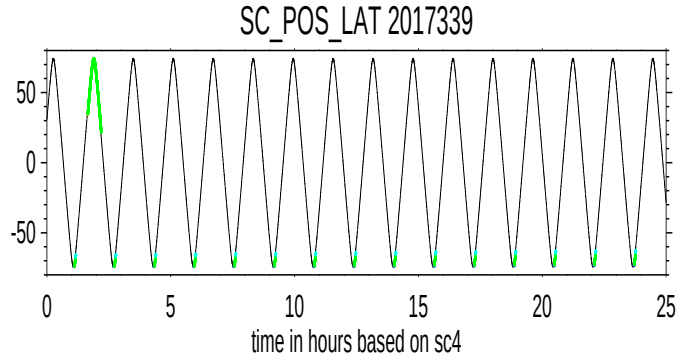

SAA_FLAG 2017339
40
0
0
5
10
15
20
25
time in hours based on sc4

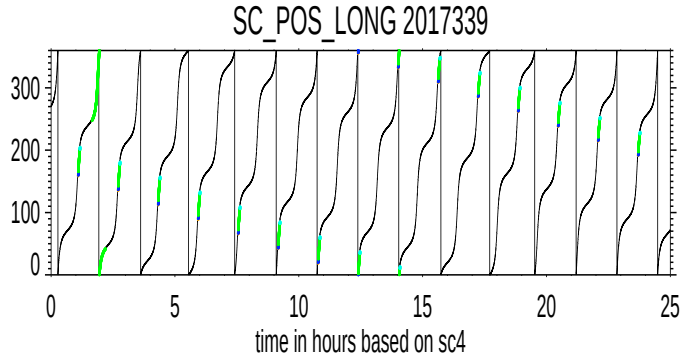

SUN_POS_X 2017339
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

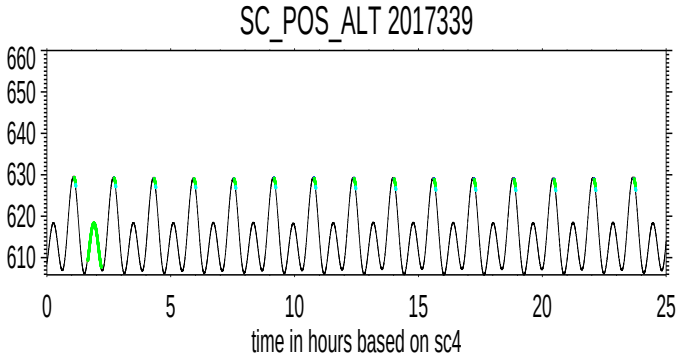

SUN_POS_Y 2017339
-0.768
-0.770
-0.772
-0.774
-0.776
-0.778
-0.780
0
5
10
15
20
25
time in hours based on sc4

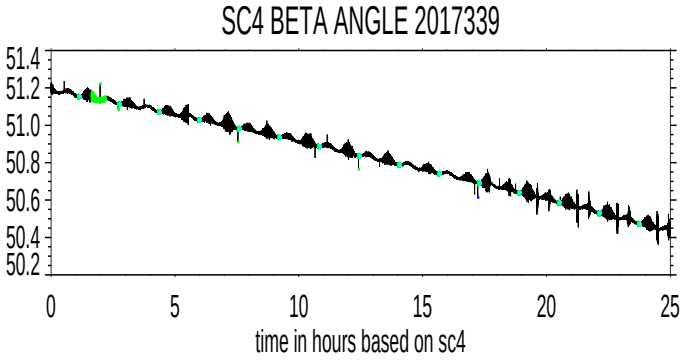

SUN_POS_Z 2017339
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2017339
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2017339
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2017339
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2017339
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2017339
51.4
51.2
51.0
50.8
50.6
50.4
50.2
0
5
10
15
20
25
time in hours based on sc4