```
Information for      2020054
16:19:27.001: see_stat[1]: 12 internal error
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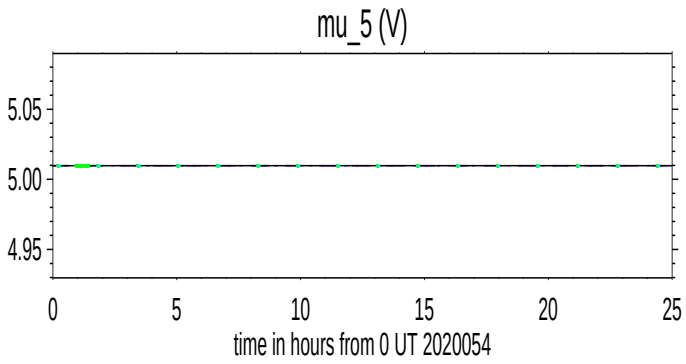
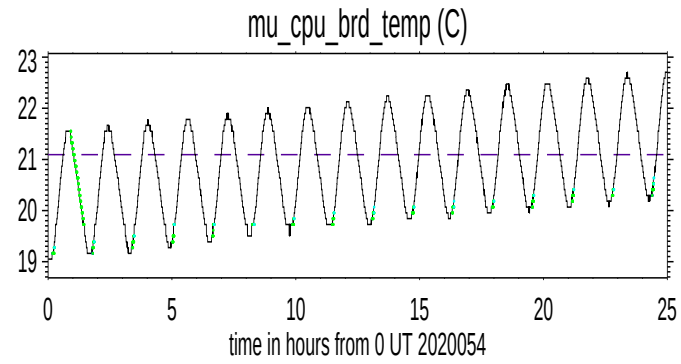

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020054


mu_cpu_brd_temp (C)
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22
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20
19
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10
15
20
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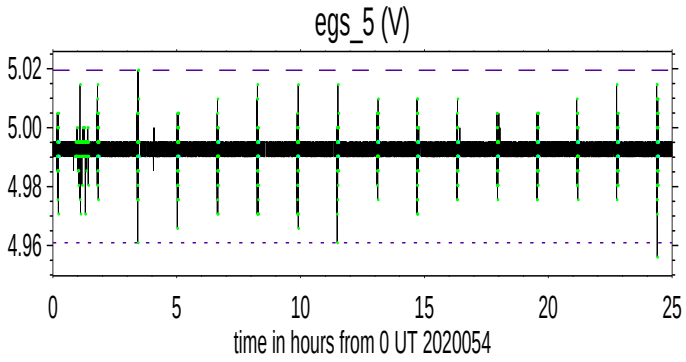
time in hours from 0 UT 2020054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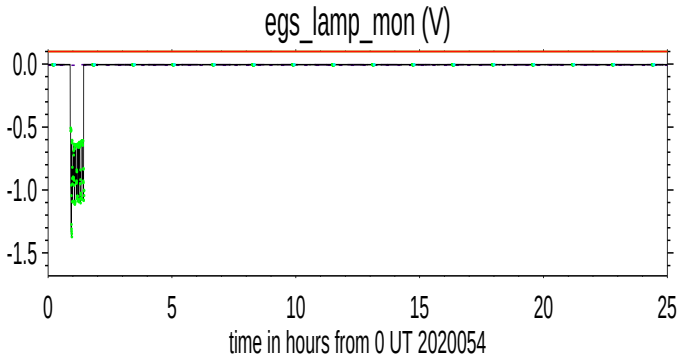
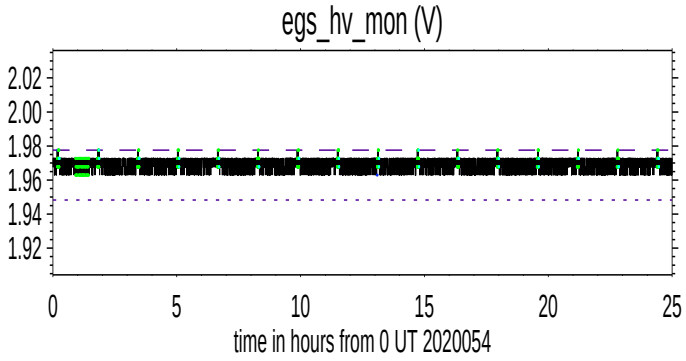
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020054


egs_lamp_mon (V)
0.0
-0.5
-1.0
-1.5
0
5
10
15
20
25
time in hours from 0 UT 2020054


egs_hv_mon (V)
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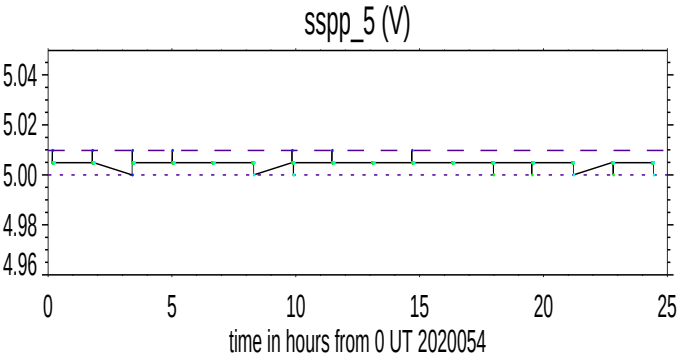
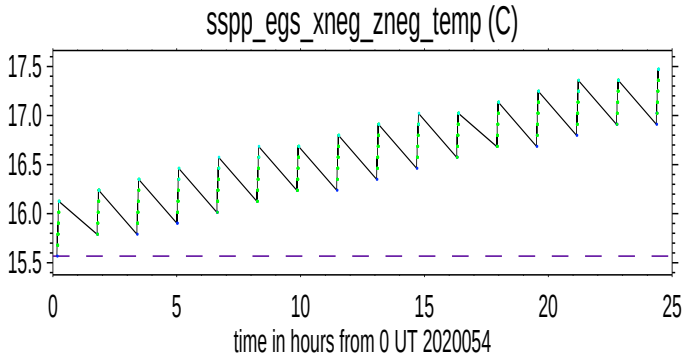
2.00
1.98
1.96
1.94
1.92
0
5
10
15
20
25
time in hours from 0 UT 2020054


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 2020054


sspp_egs_xneg_zneg_temp (C)
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17.0
16.5
16.0
15.5
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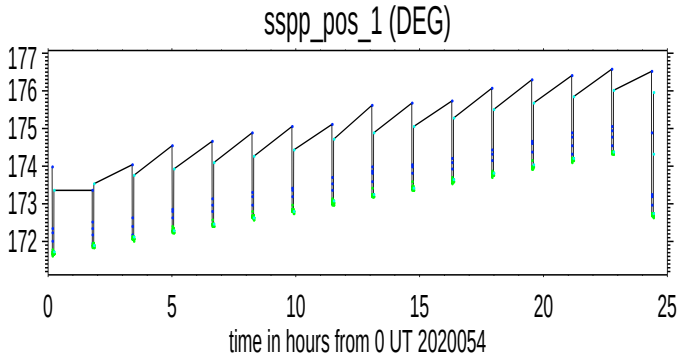
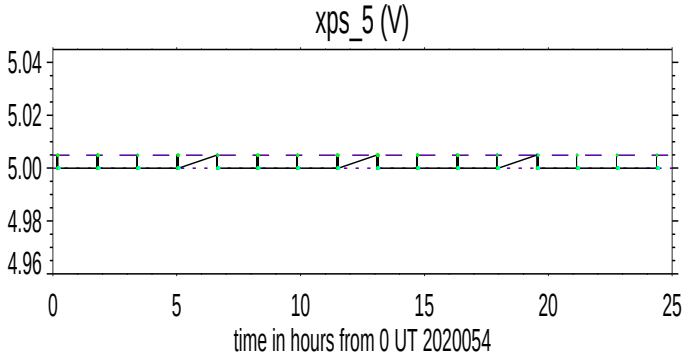
10
15
20
25
time in hours from 0 UT 2020054


sspp_pos_1 (DEG)
177
176
175
174
173
172
0
5
10
15
20
25
time in hours from 0 UT 2020054


xps_5 (V)
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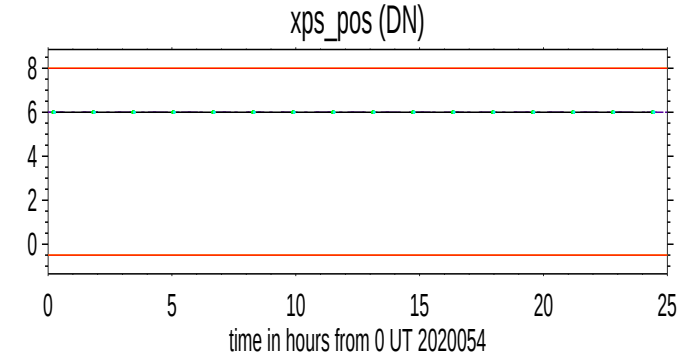
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020054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8
6
4
2
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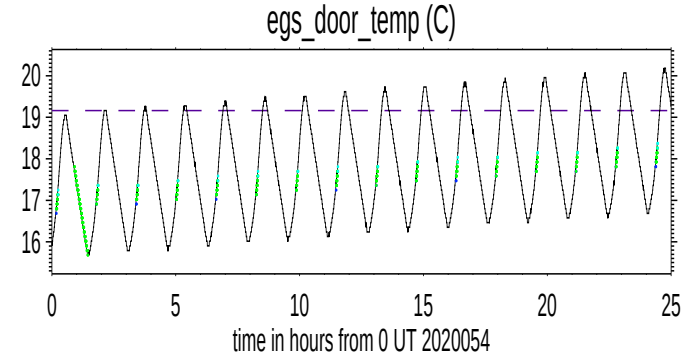
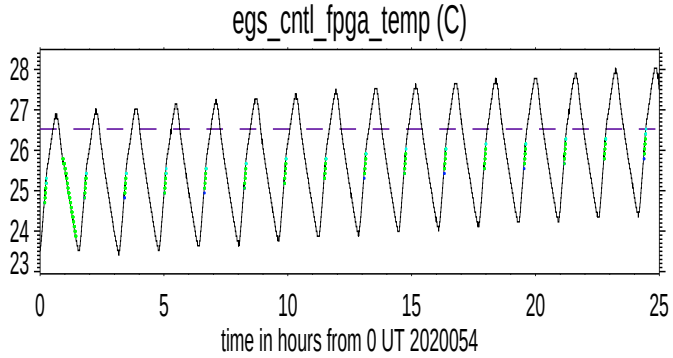
time in hours from 0 UT 2020054


egs_door_temp (C)
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2020054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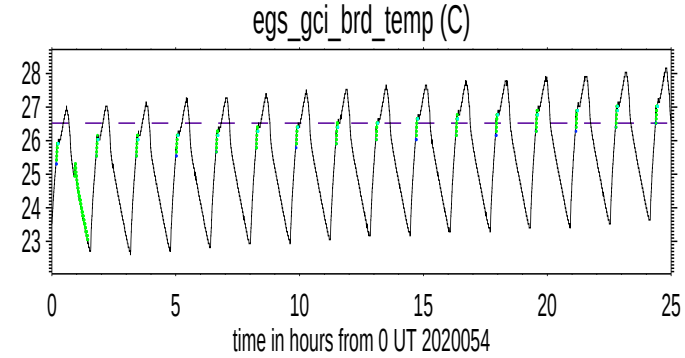
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020054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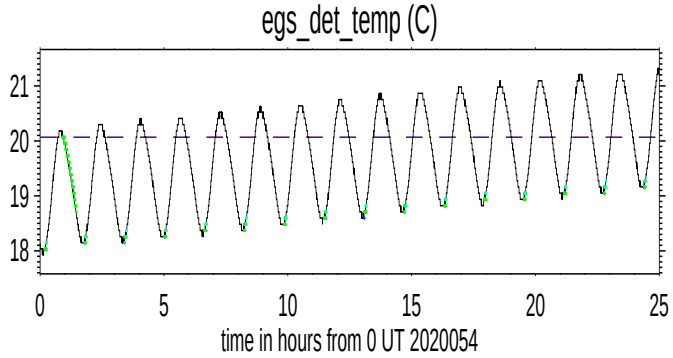
28
27
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020054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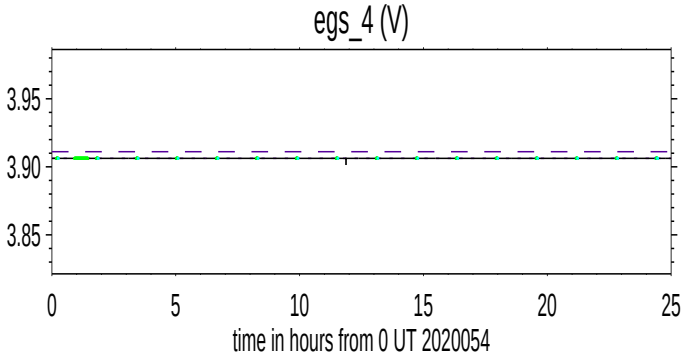
5
10
15
20
25
time in hours from 0 UT 2020054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3.95
3.90
3.85
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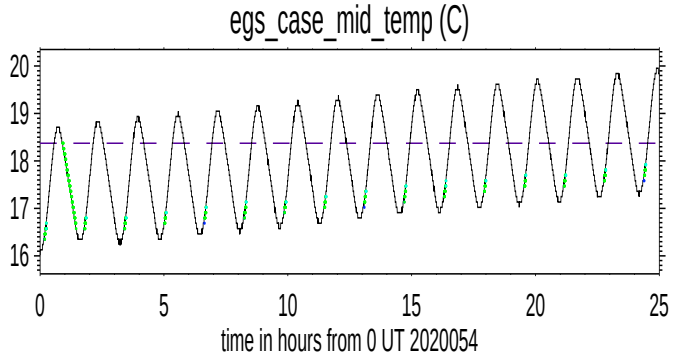
5
10
15
20
25
time in hours from 0 UT 2020054


egs_case_mid_temp (C)
20
19
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17
16
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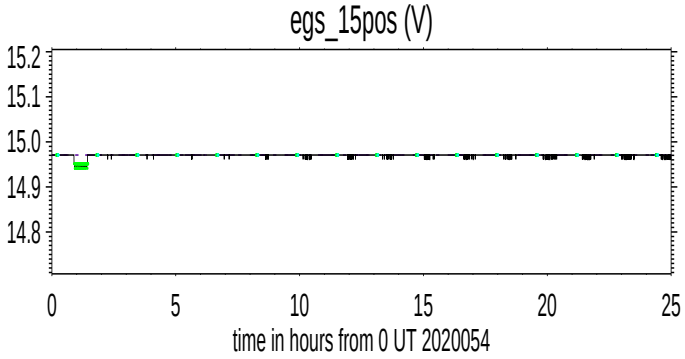
5
10
15
20
25
time in hours from 0 UT 2020054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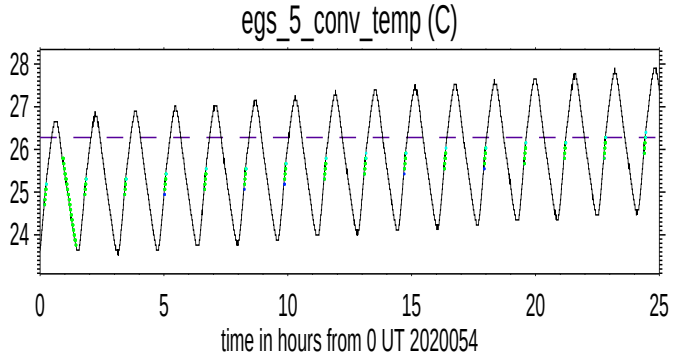
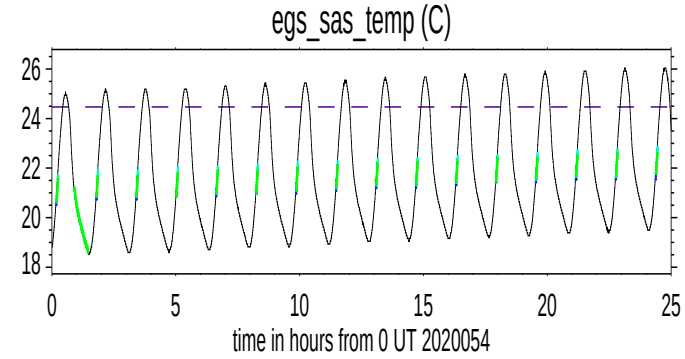
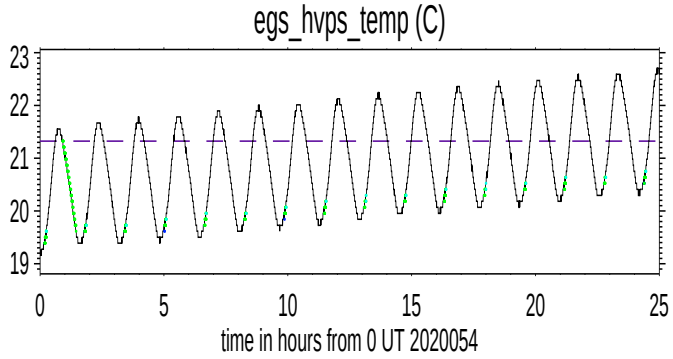
15.1
15.0
14.9
14.8
0
5
10
15
20
25
time in hours from 0 UT 2020054


egs_5_conv_temp (C)
28
27
26
25
24
0
5
10
15
20
25
time in hours from 0 UT 2020054


egs_sas_temp (C)
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2020054


egs_hvps_temp (C)
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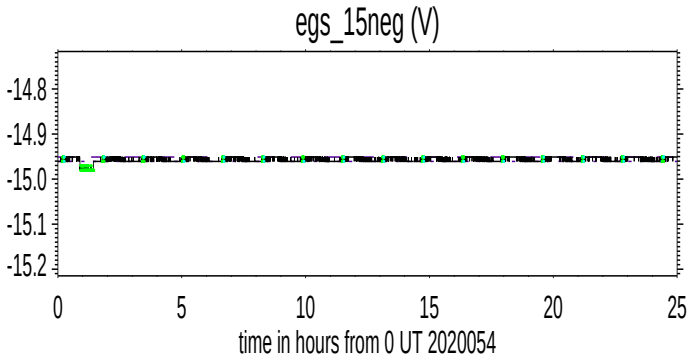
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020054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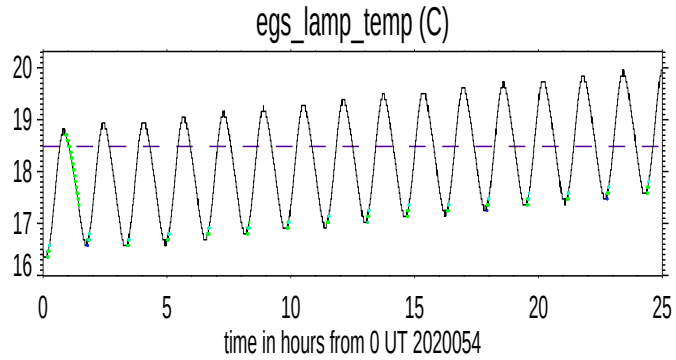
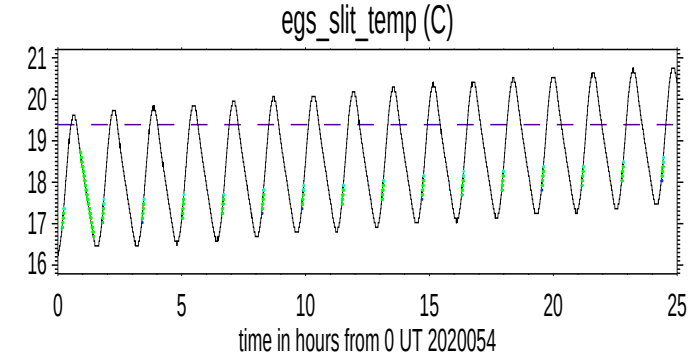
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2020054


egs_lamp_temp (C)
20
19
18
17
16
0 5 10 15 20 25
time in hours from 0 UT 2020054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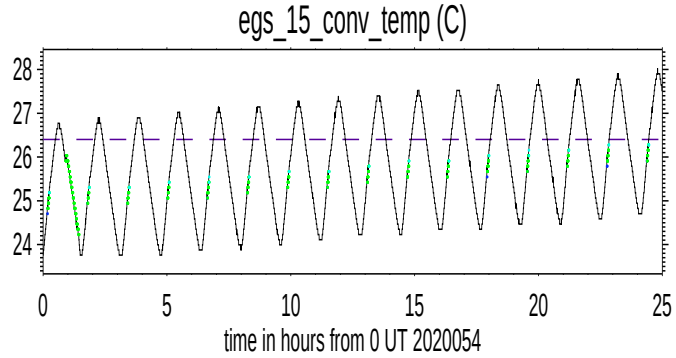
20
19
18
17
16
0 5 10 15 20 25
time in hours from 0 UT 2020054


egs_15_conv_temp (C)
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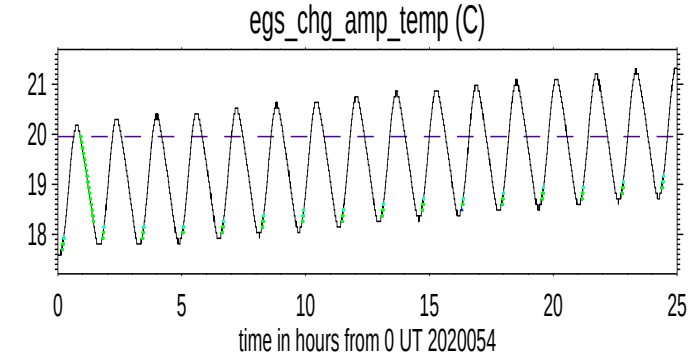
27
26
25
24
0 5 10 15 20 25
time in hours from 0 UT 2020054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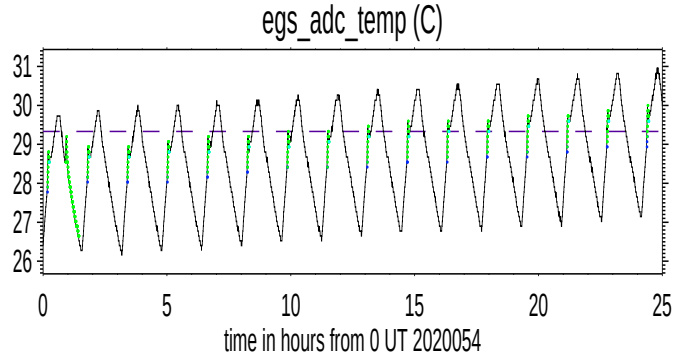
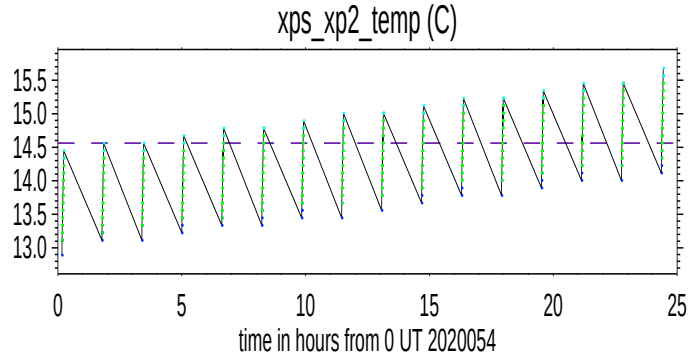
19
18
0 5 10 15 20 25
time in hours from 0 UT 2020054


egs_adc_temp (C)
31
30
29
28
27
26
0 5 10 15 20 25
time in hours from 0 UT 2020054


xps_xp2_temp (C)
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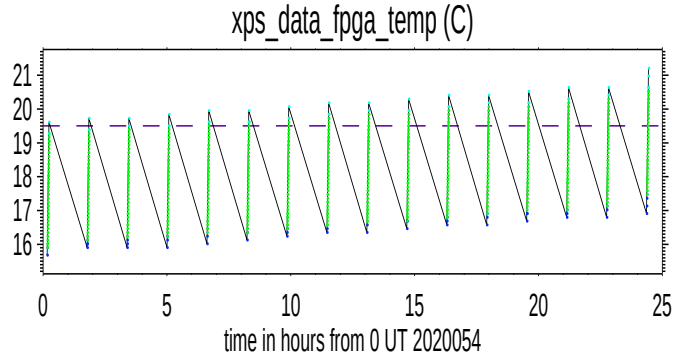
15.0
14.5
14.0
13.5
13.0
0 5 10 15 20 25
time in hours from 0 UT 2020054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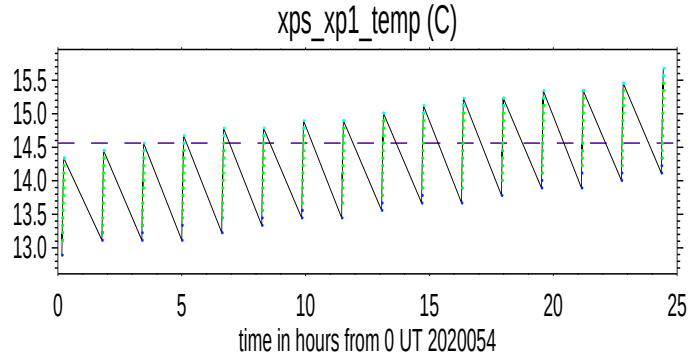
20
19
18
17
16
0 5 10 15 20 25
time in hours from 0 UT 2020054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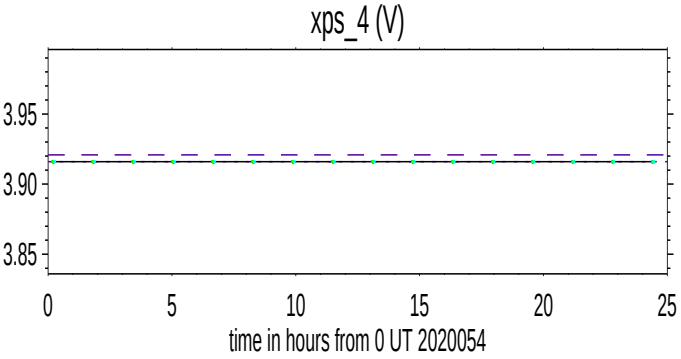
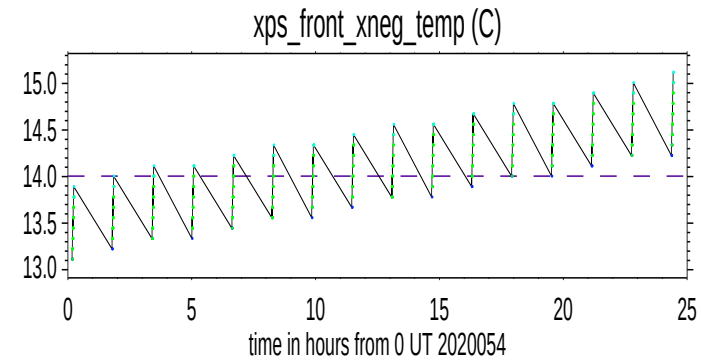
13.0
0 5 10 15 20 25
time in hours from 0 UT 2020054


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2020054


xps_front_xneg_temp (C)
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14.5
14.0
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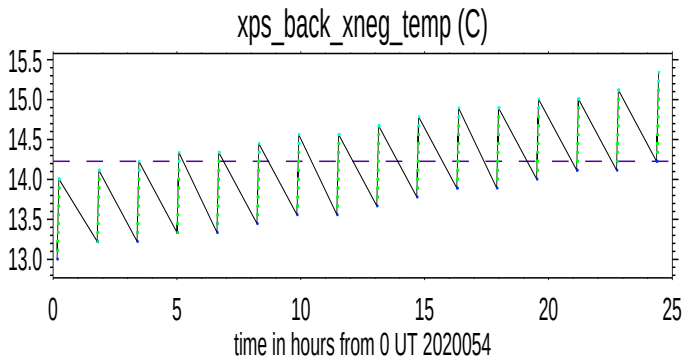
13.0
0
5
10
15
20
25
time in hours from 0 UT 2020054


xps_back_xneg_temp (C)
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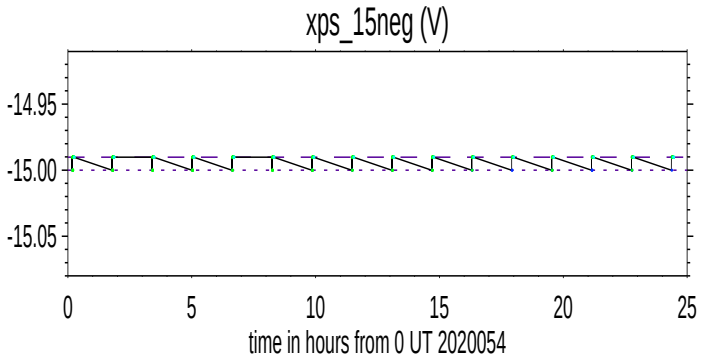
14.5
14.0
13.5
13.0
0
5
10
15
20
25
time in hours from 0 UT 2020054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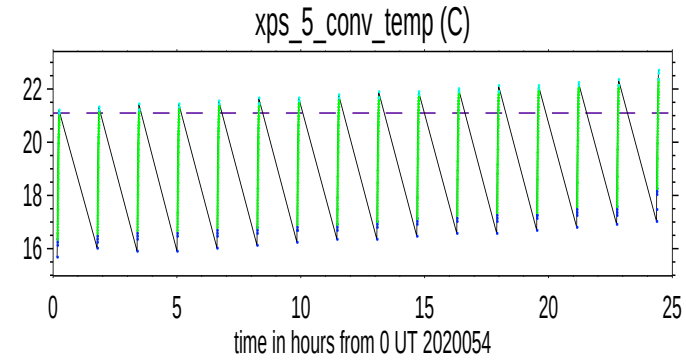
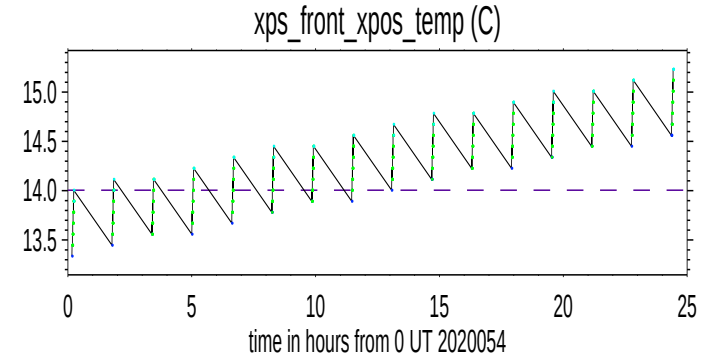
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2020054


xps_5_conv_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020054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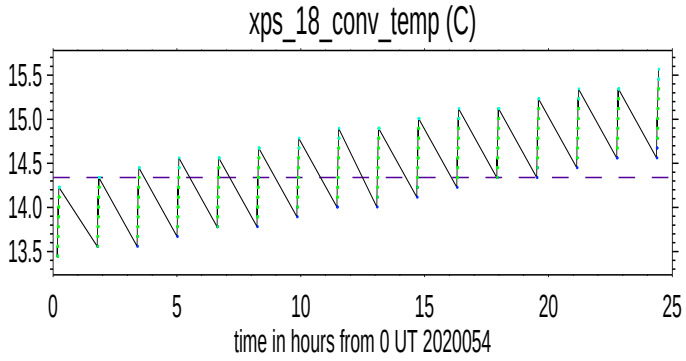
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2020054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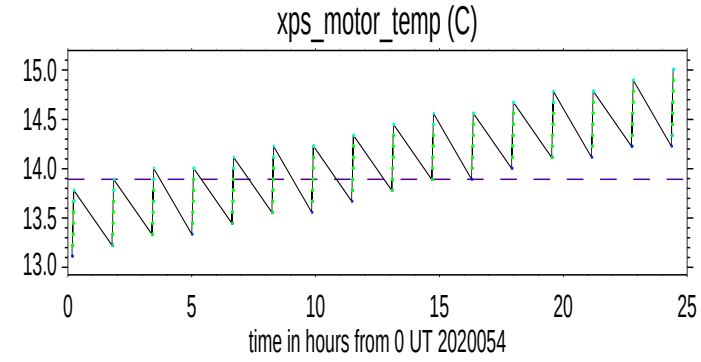
10
15
20
25
time in hours from 0 UT 2020054


xps_motor_temp (C)
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14.5
14.0
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13.0
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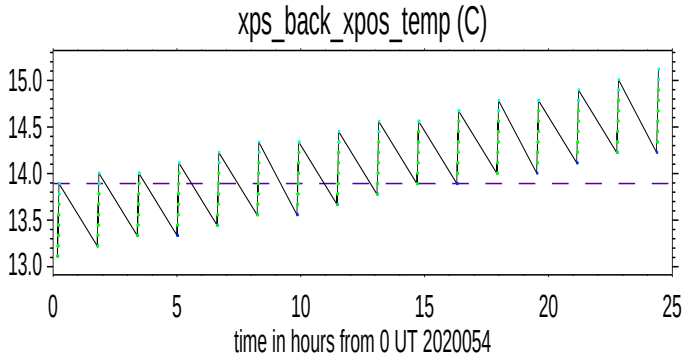
5
10
15
20
25
time in hours from 0 UT 2020054


xps_back_xpos_temp (C)
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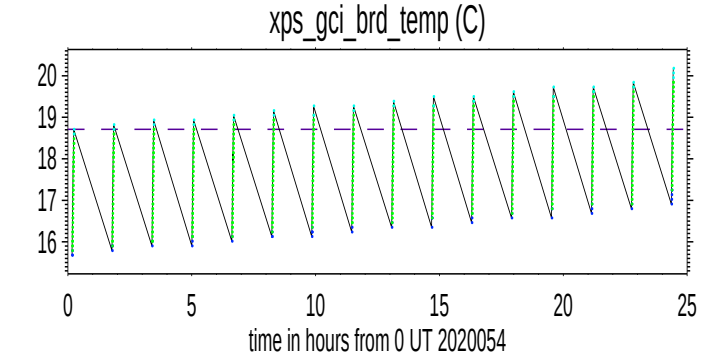
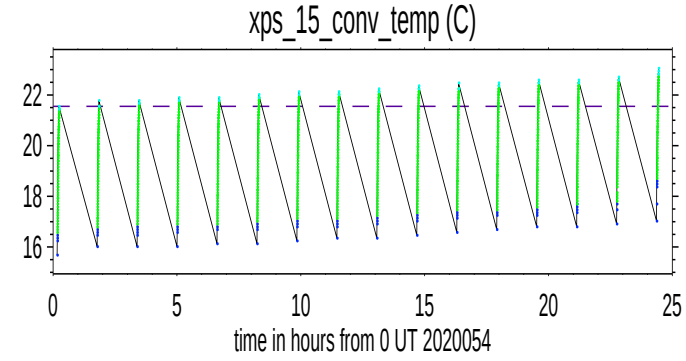
14.5
14.0
13.5
13.0
0
5
10
15
20
25
time in hours from 0 UT 2020054


xps_gci_brd_temp (C)
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2020054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22
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18
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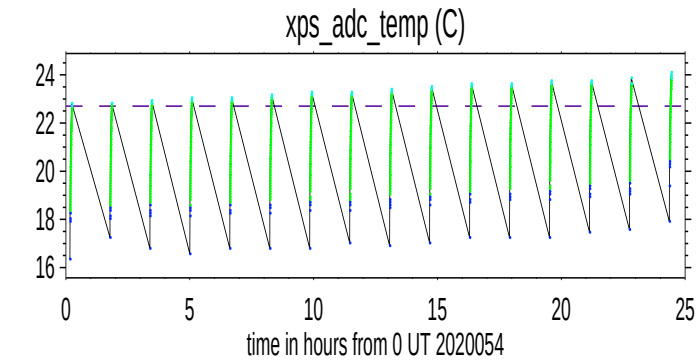
5
10
15
20
25
time in hours from 0 UT 2020054


xps_adc_temp (C)
24
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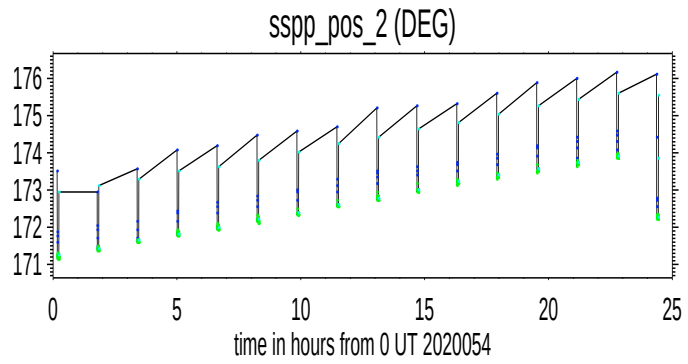
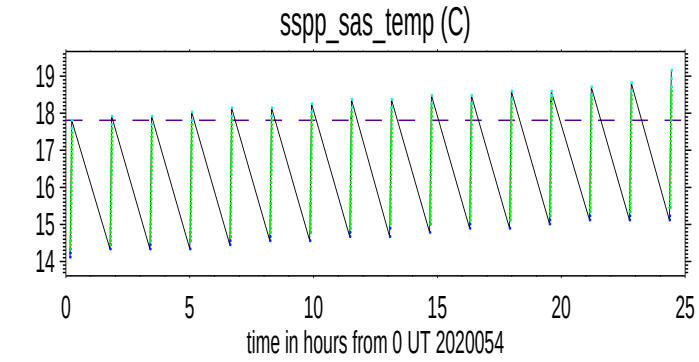
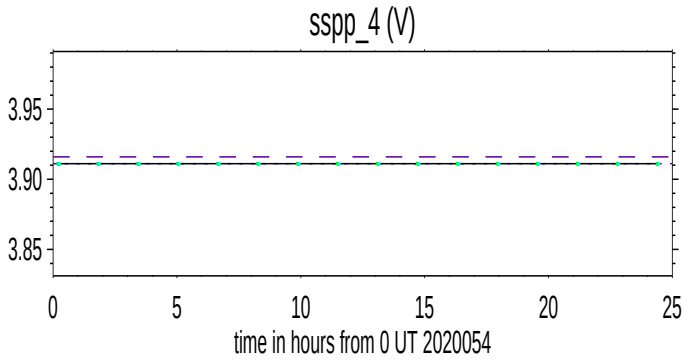
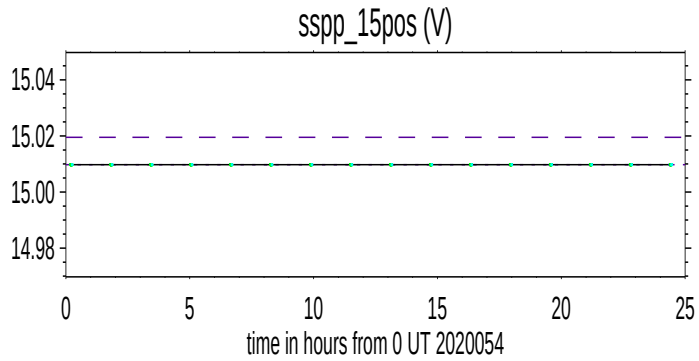
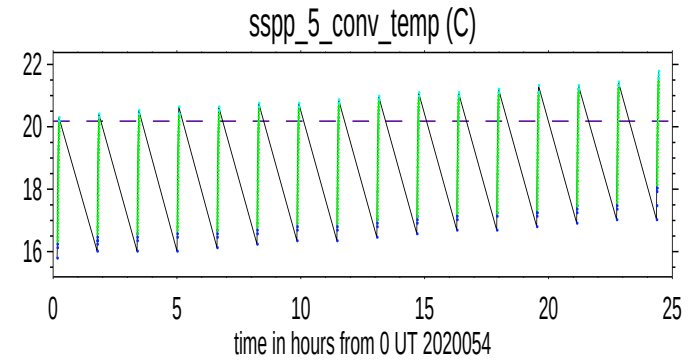
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

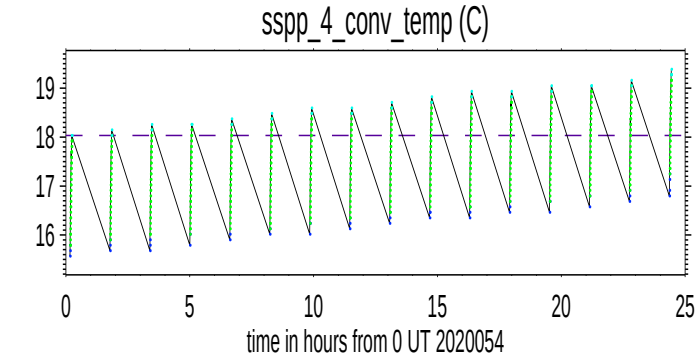

sspp_pos_2 (DEG)
176
175
174
173
172
171
0
5
10
15
20
25
time in hours from 0 UT 2020054

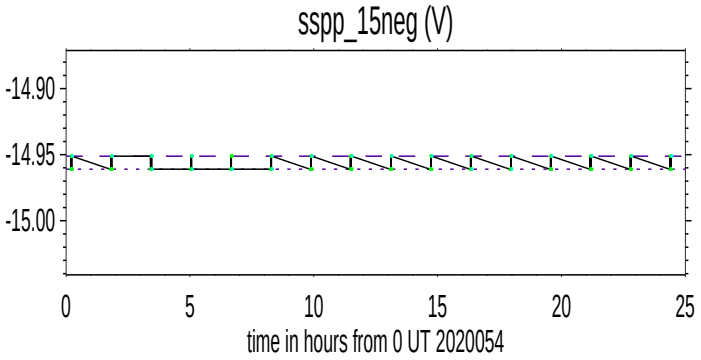

sspp_sas_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2020054

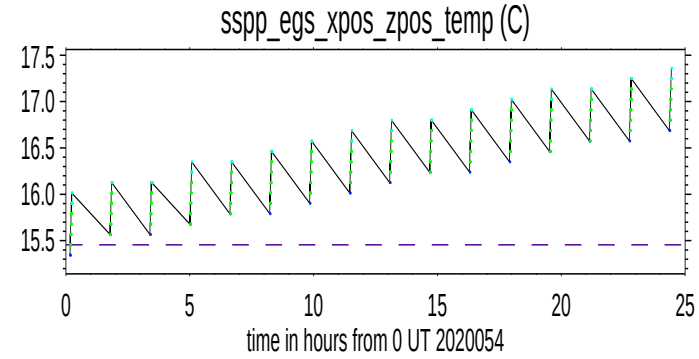

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020054

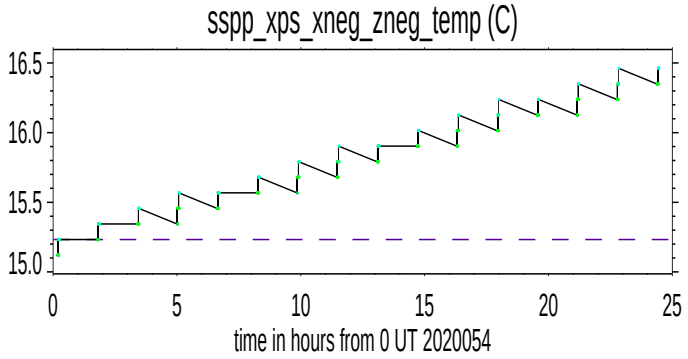

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2020054

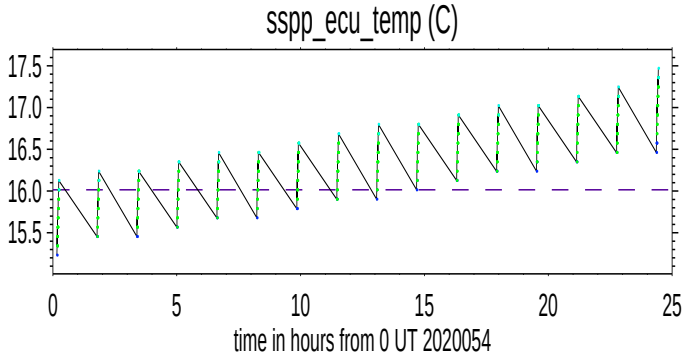

sspp_5_conv_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

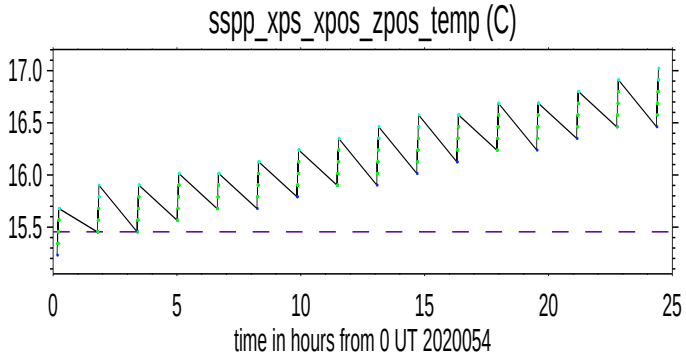

sspp_4_conv_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

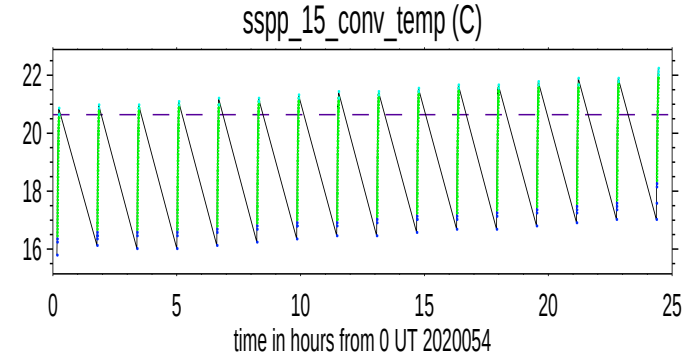

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020054

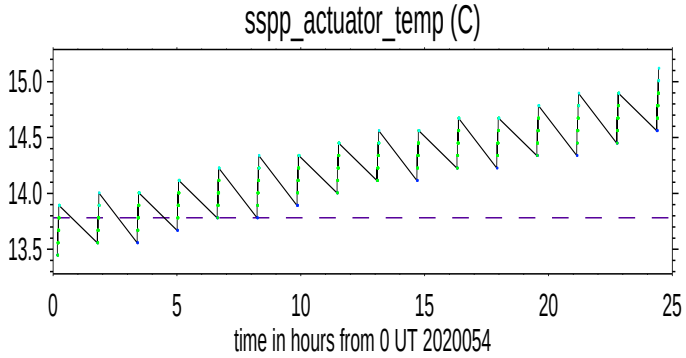

sspp_egs_xpos_zpos_temp (C)
17.5
17.0
16.5
16.0
15.5
0
5
10
15
20
25
time in hours from 0 UT 2020054

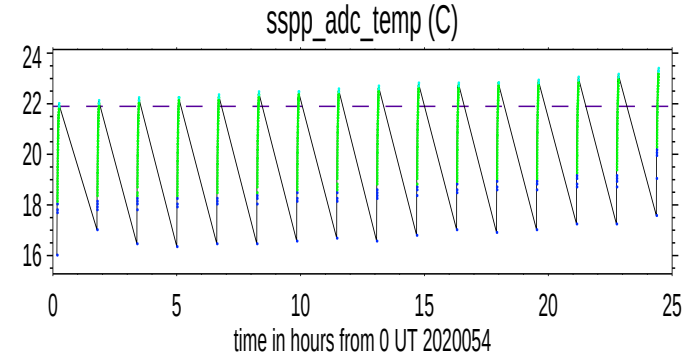

sspp_xps_xneg_zneg_temp (C)
16.5
16.0
15.5
15.0
0
5
10
15
20
25
time in hours from 0 UT 2020054

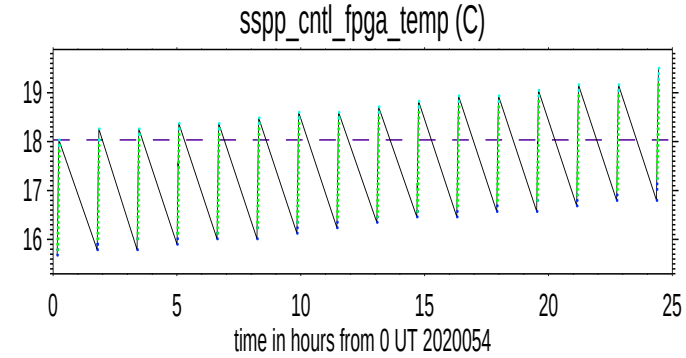

sspp_ecu_temp (C)
17.5
17.0
16.5
16.0
15.5
0
5
10
15
20
25
time in hours from 0 UT 2020054

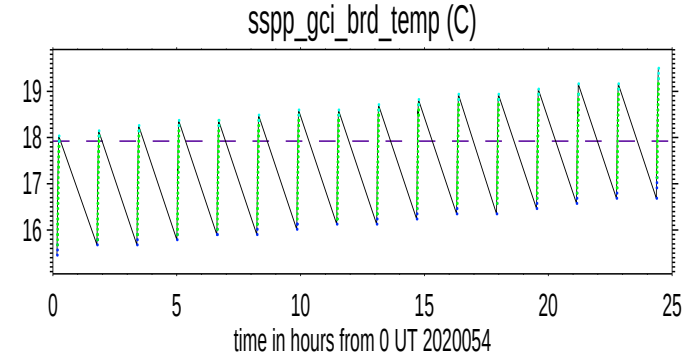

sspp_xps_xpos_zpos_temp (C)
17.0
16.5
16.0
15.5
0
5
10
15
20
25
time in hours from 0 UT 2020054

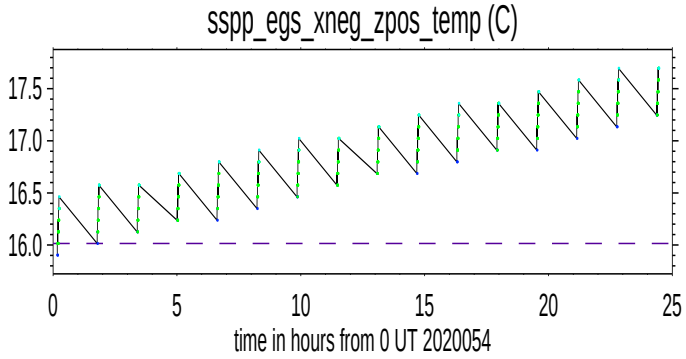

sspp_15_conv_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

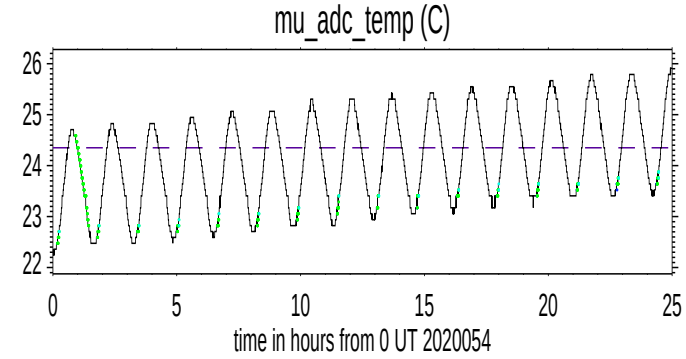

sspp_actuator_temp (C)
15.0
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2020054

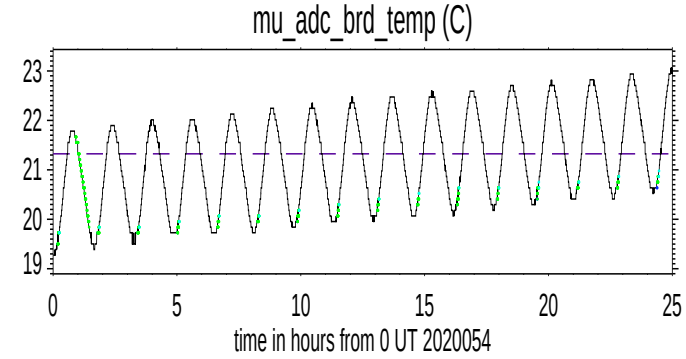

sspp_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

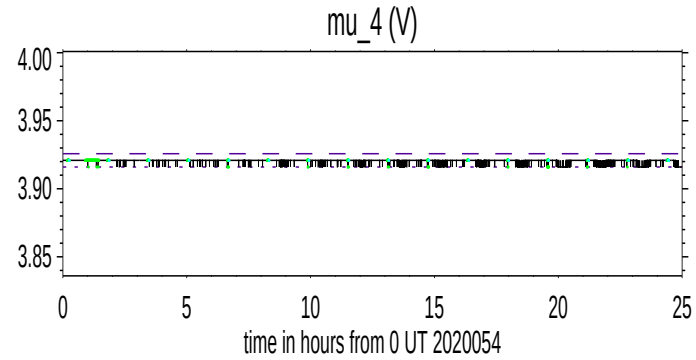

sspp_cntl_fpga_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

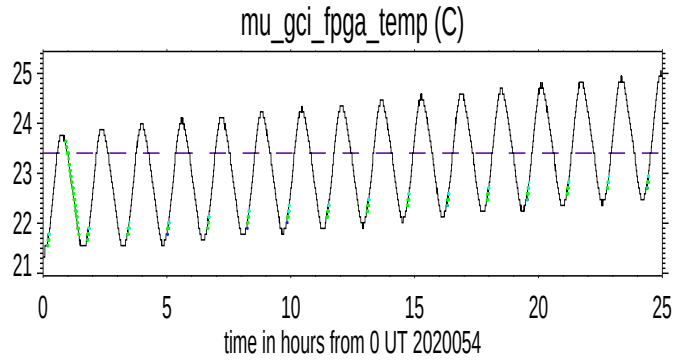

sspp_gci_brd_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2020054

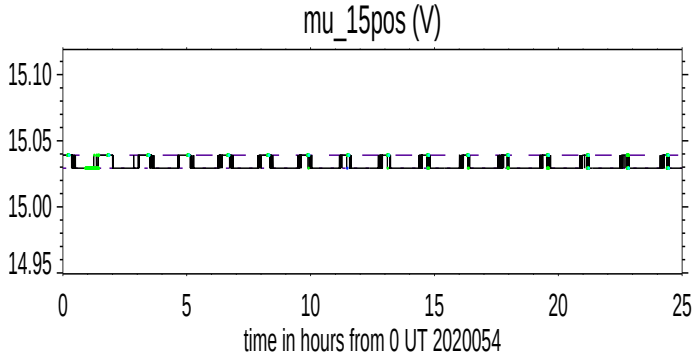

sspp_egs_xneg_zpos_temp (C)
17.5
17.0
16.5
16.0
0
5
10
15
20
25
time in hours from 0 UT 2020054

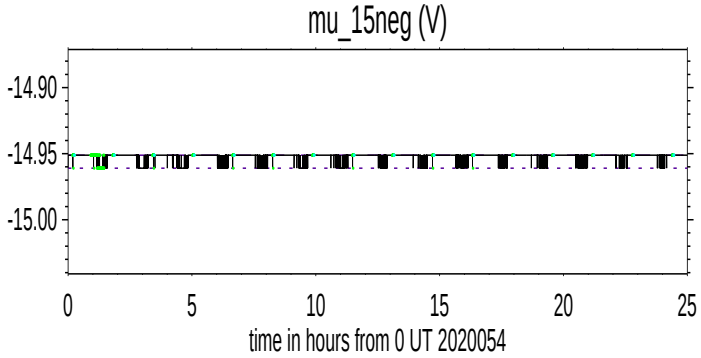

mu_adc_temp (C)
26
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2020054

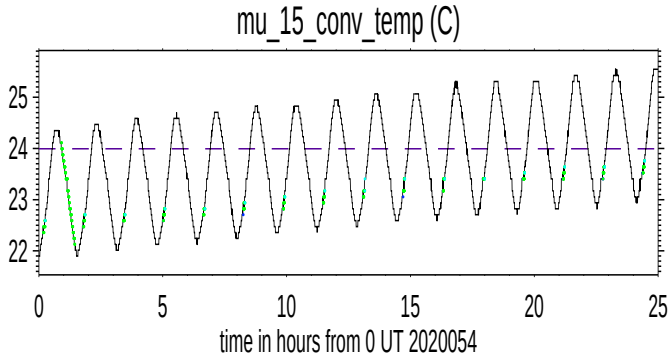

mu_adc_brd_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020054

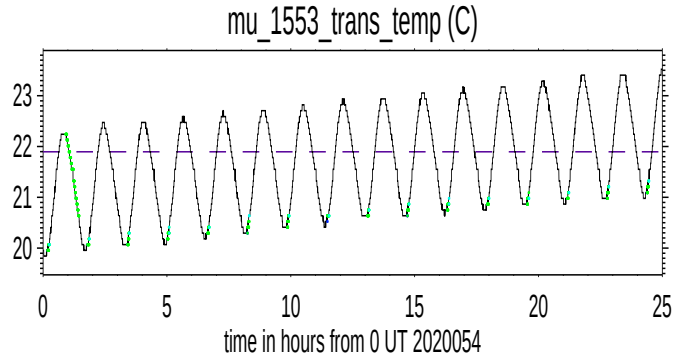

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020054

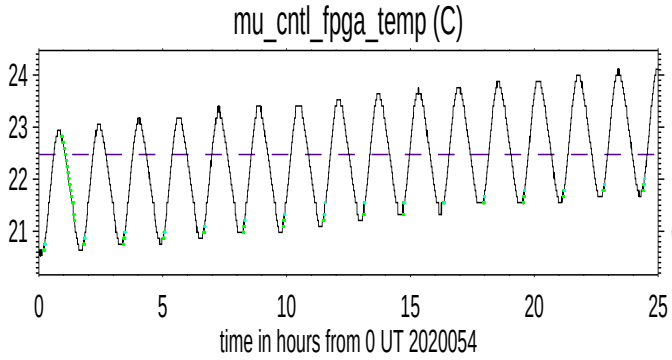

mu_gci_fpga_temp (C)
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020054

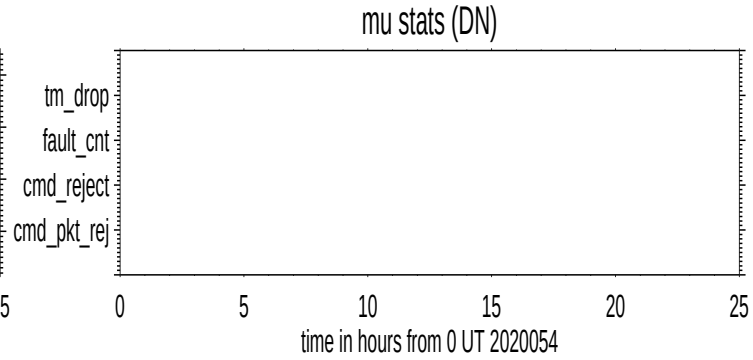

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2020054

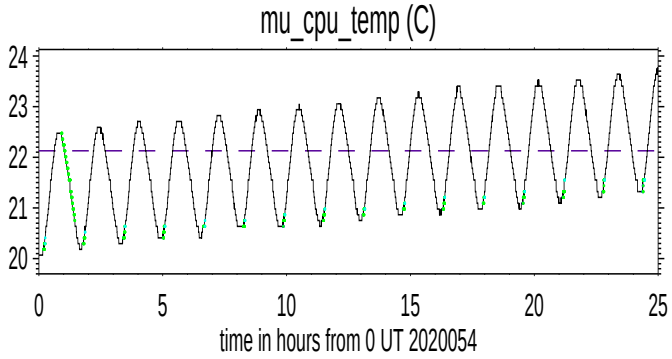

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020054

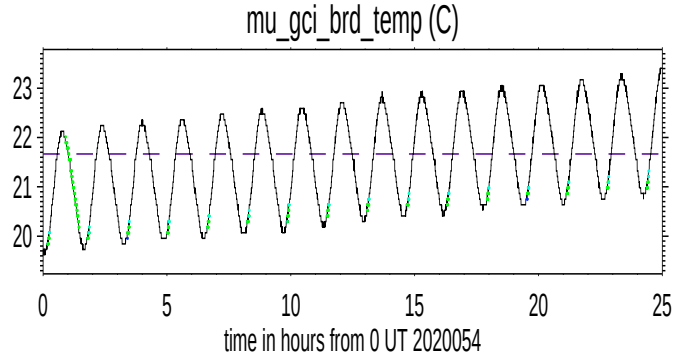

mu_15_conv_temp (C)
25
24
23
22
0
5
10
15
20
25
time in hours from 0 UT 2020054

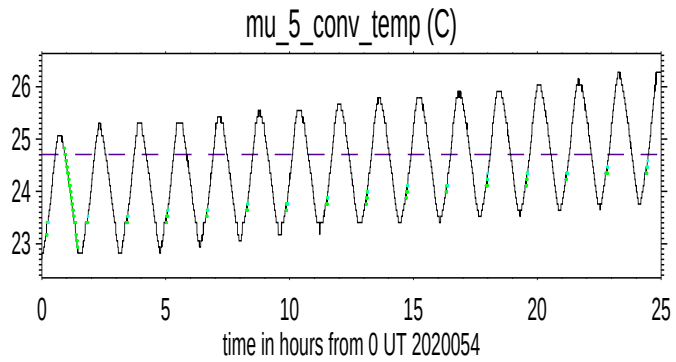

mu_1553_trans_temp (C)
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020054

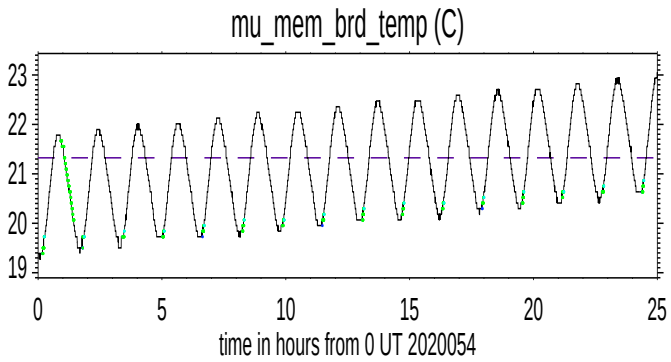

mu_cntl_fpga_temp (C)
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2020054

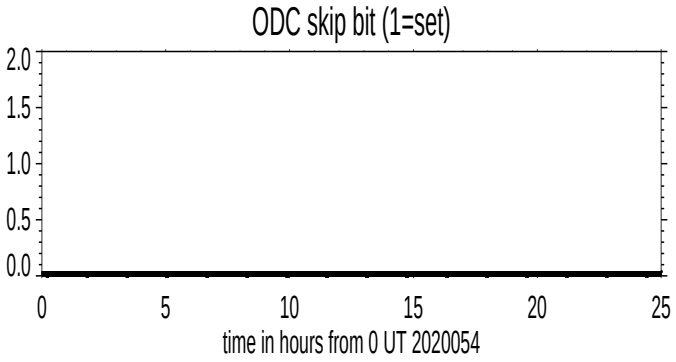

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2020054

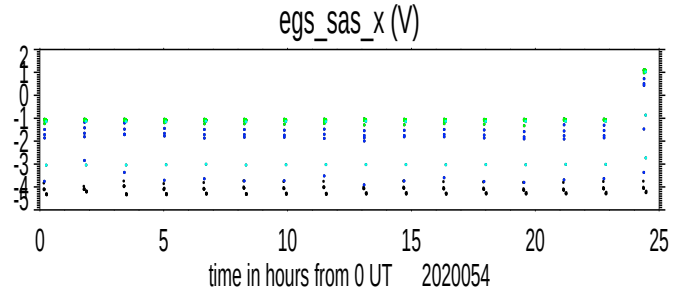

mu_cpu_temp (C)
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020054

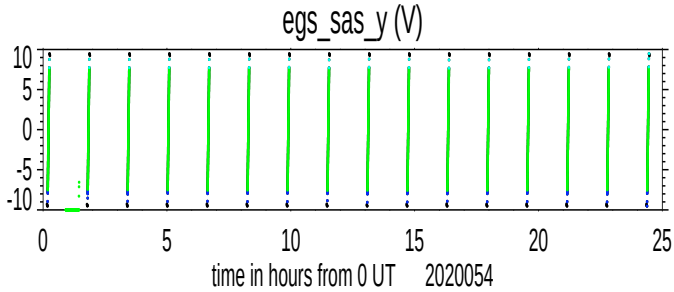

mu_gci_brd_temp (C)
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2020054

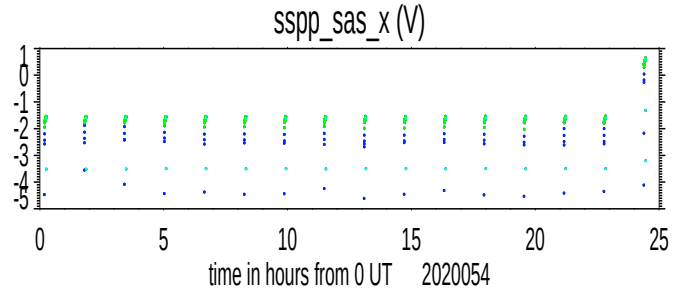

mu_5_conv_temp (C)
26
25
24
23
0
5
10
15
20
25
time in hours from 0 UT 2020054

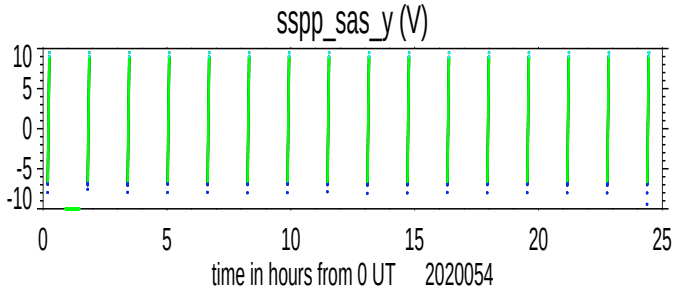

mu_mem_brd_temp (C)
23
22
21
20
19
0
5
10
15
20
25
time in hours from 0 UT 2020054

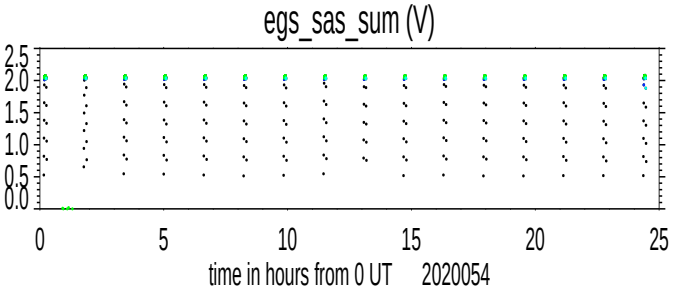

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020054

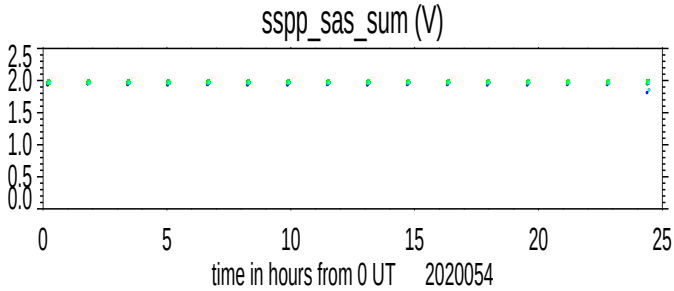

egs_sas_x (V)
time in hours from 0 UT 2020054

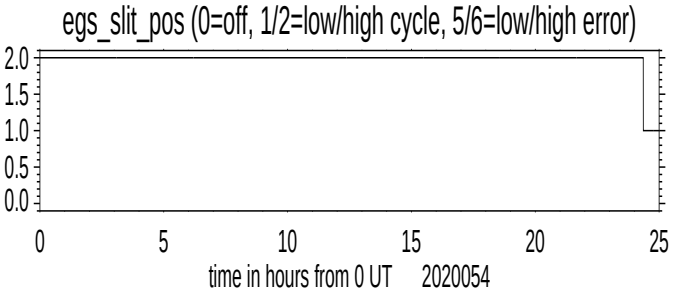

egs_sas_y (V)
time in hours from 0 UT 2020054

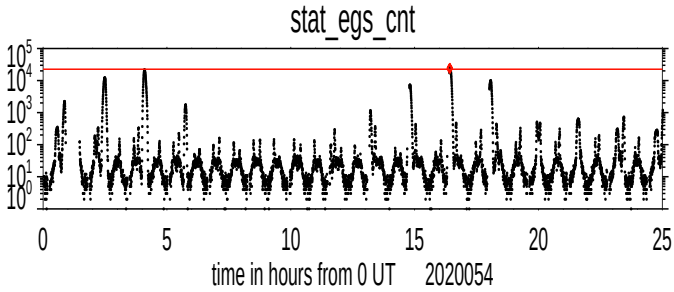

sspp_sas_x (V)
time in hours from 0 UT 2020054

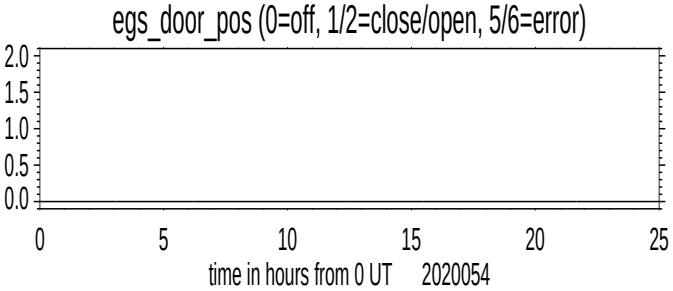

sspp_sas_y (V)
time in hours from 0 UT 2020054

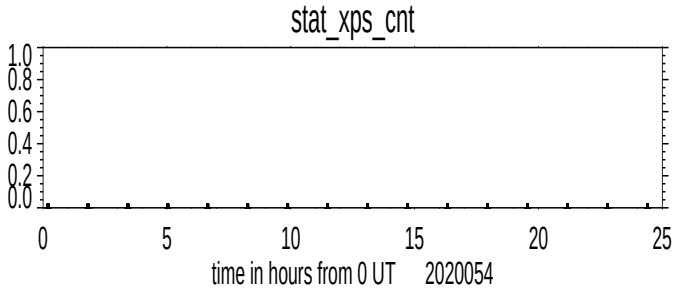

egs_sas_sum (V)
time in hours from 0 UT 2020054

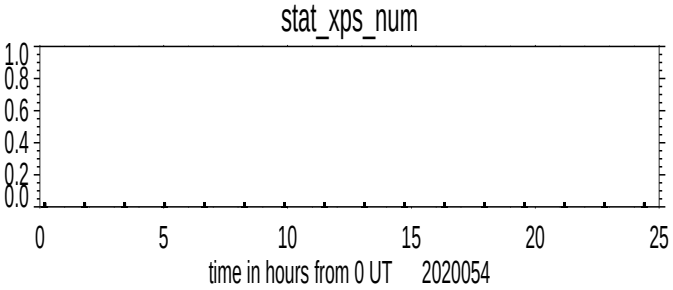

sspp_sas_sum (V)
time in hours from 0 UT 2020054

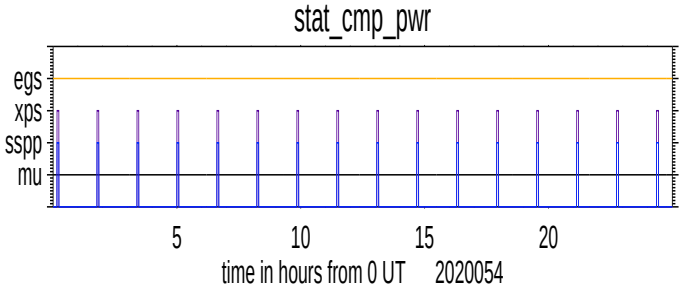

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020054


stat_egs_cnt
time in hours from 0 UT 2020054

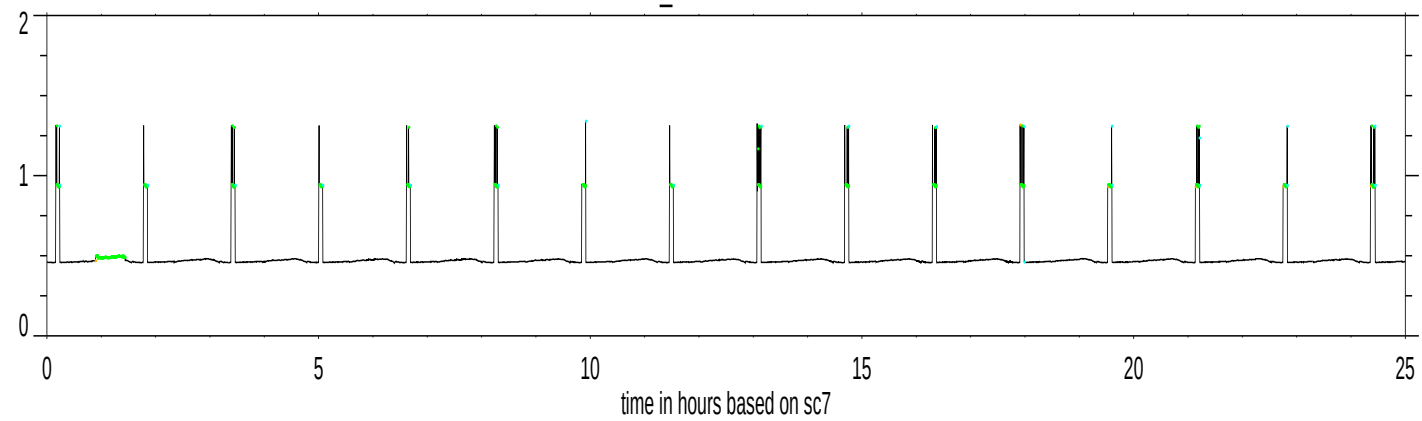

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020054


stat_xps_cnt
time in hours from 0 UT 2020054

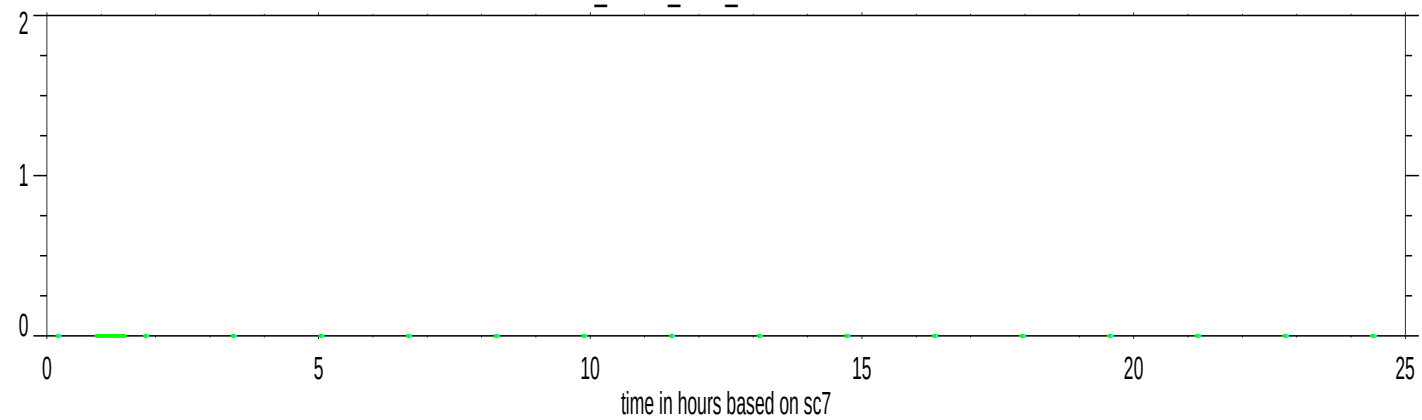

stat_xps_num
time in hours from 0 UT 2020054


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020054

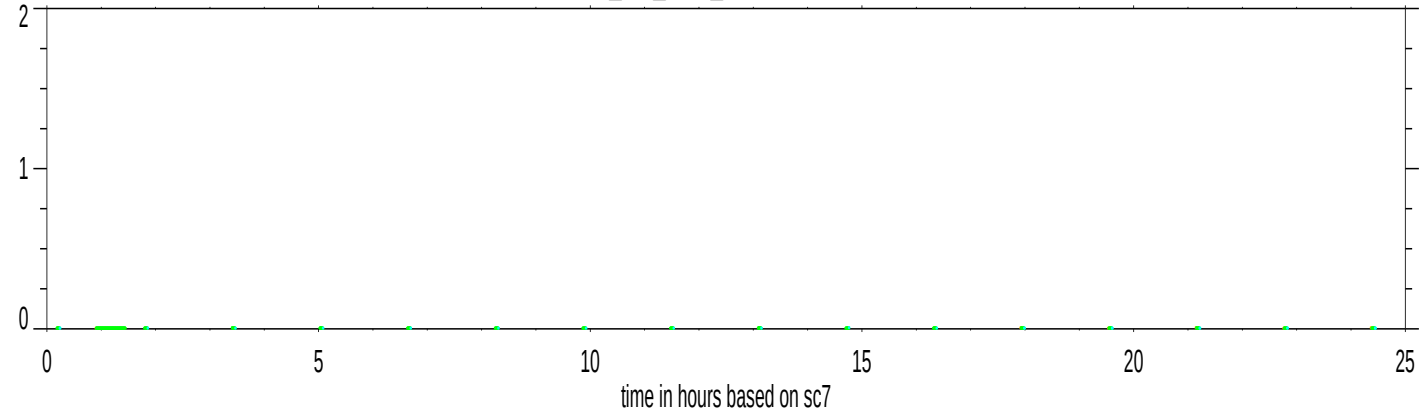
SEE_CUR 2020054



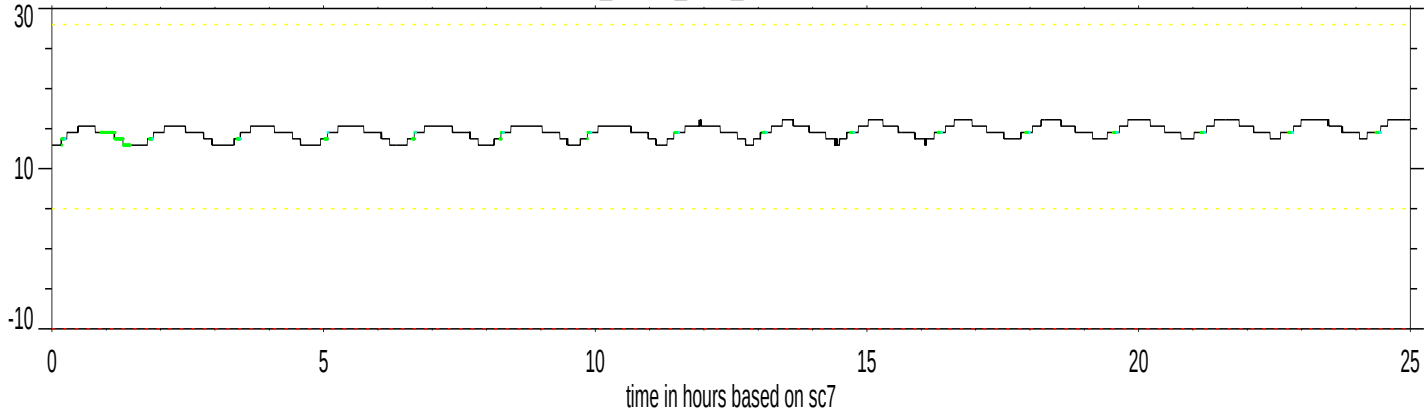
SEE_SURV_HTR_CUR 2020054



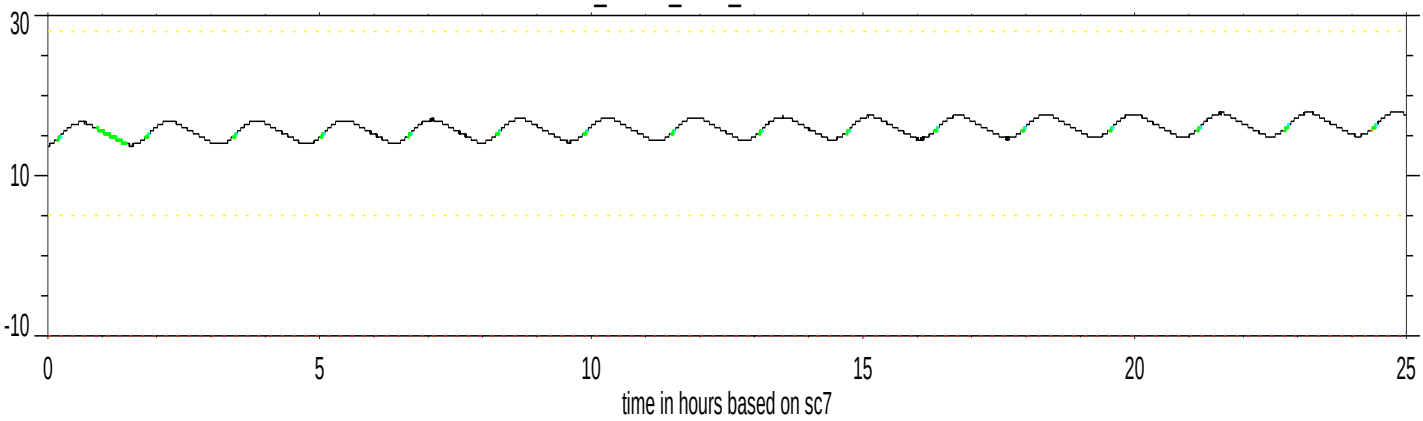
SEE_OP_HTR_CUR 2020054



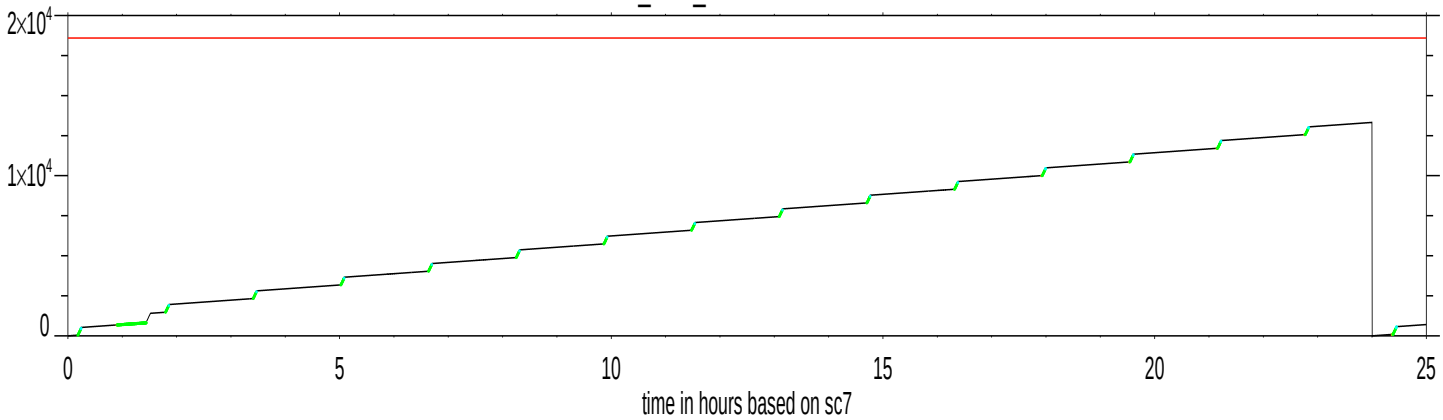
SSPP_BHND_XPS_TEMP 2020054



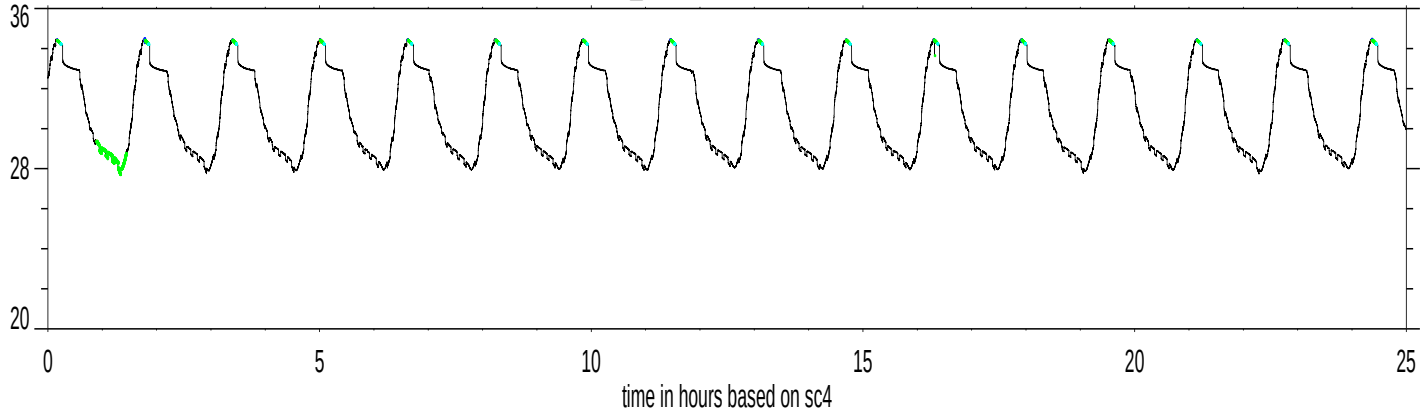
SSPP_BHND_MTR_TEMP 2020054



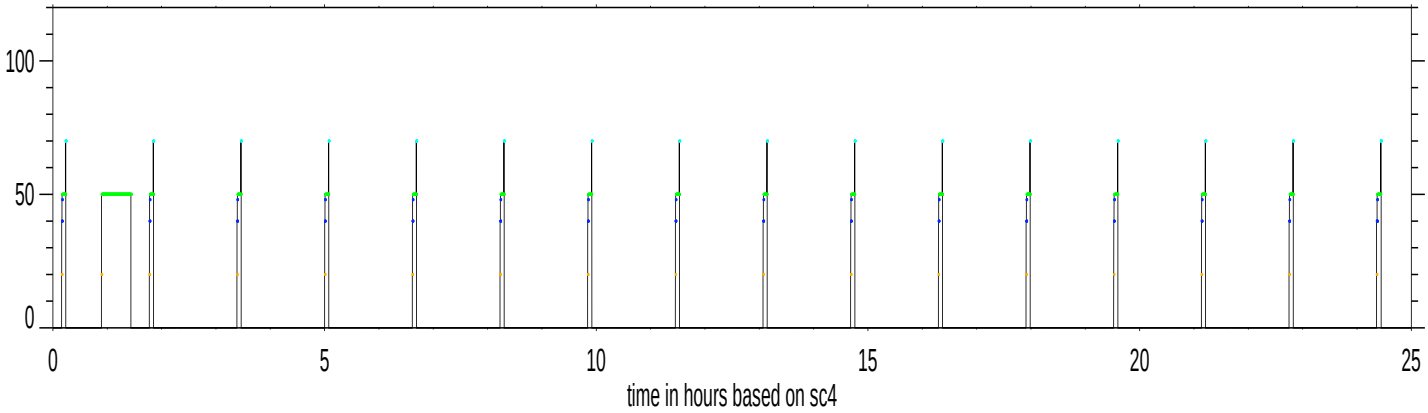
SEE_PKT_COUNT 2020054

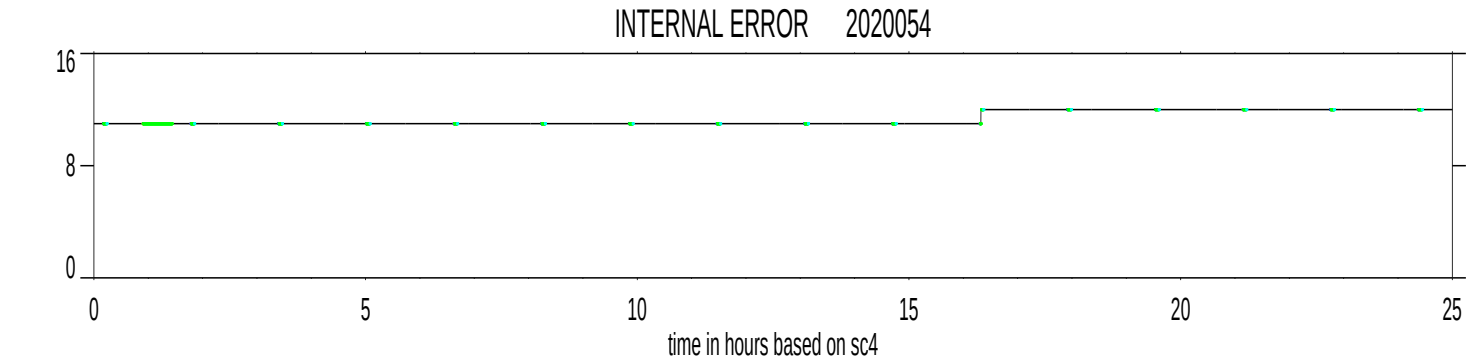


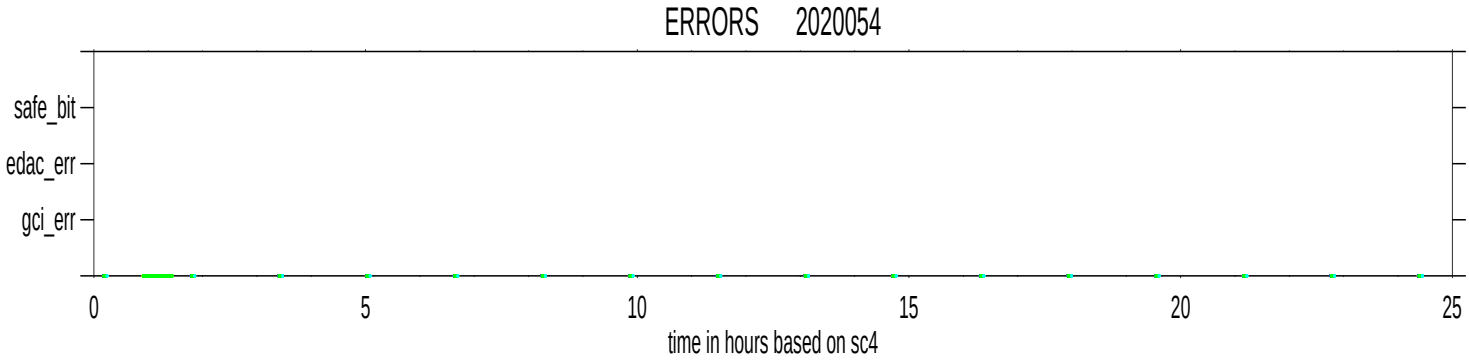
BUS_VOLTAGE 2020054

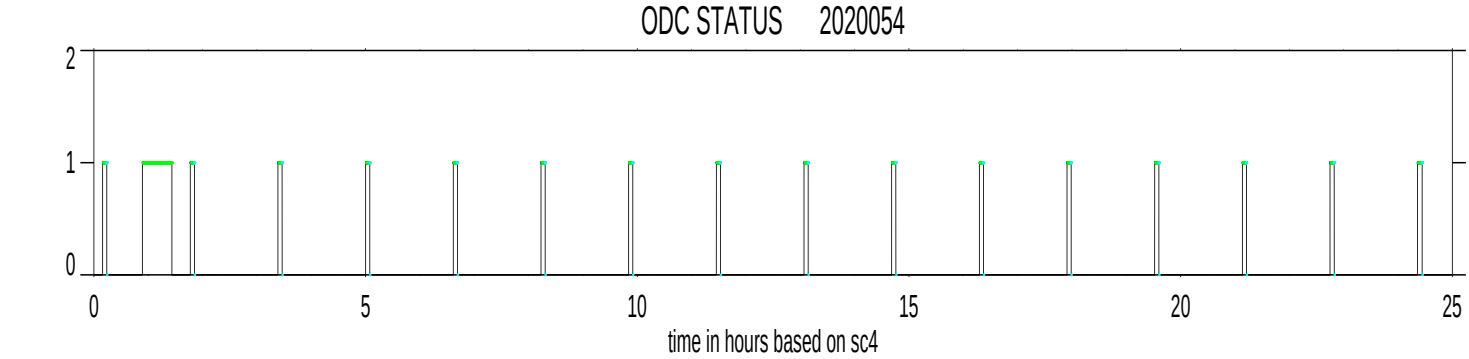


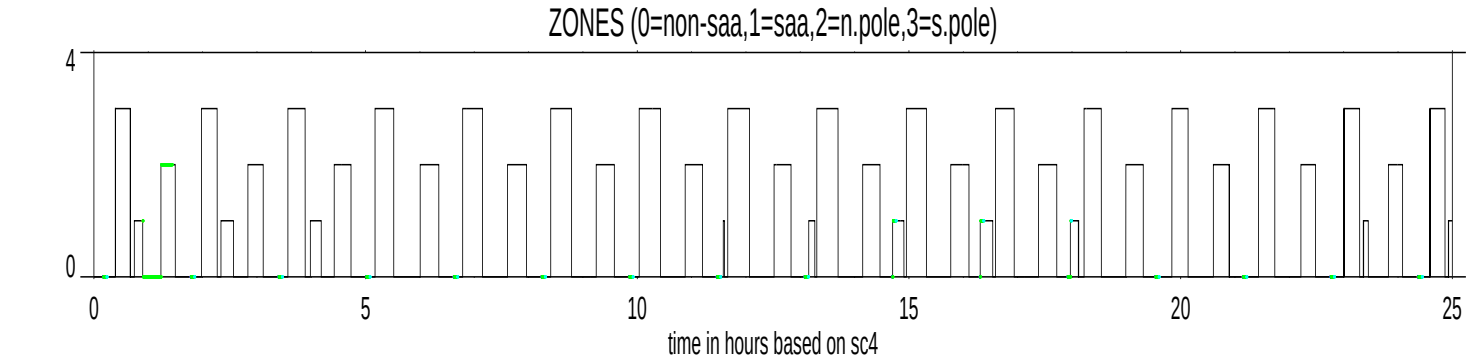
SEE_MU Operational Mode 2020054

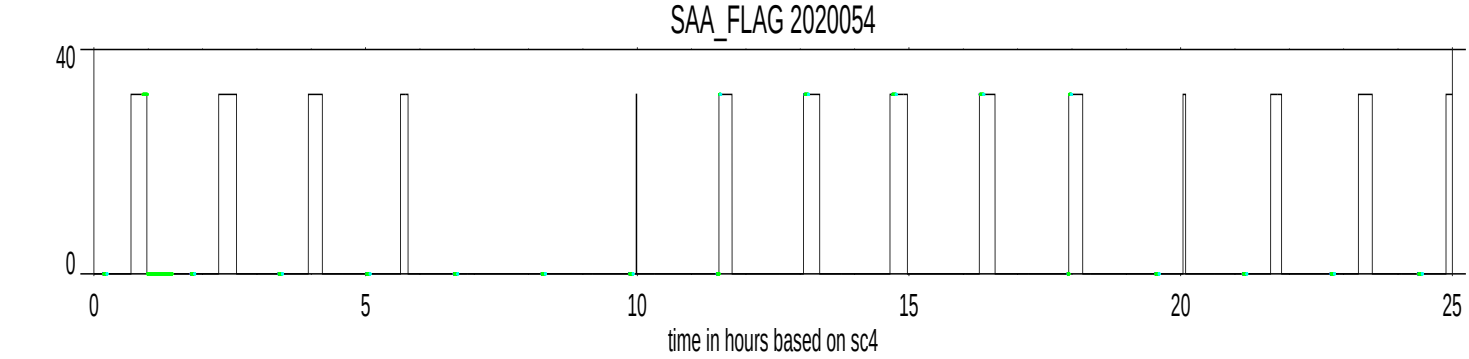


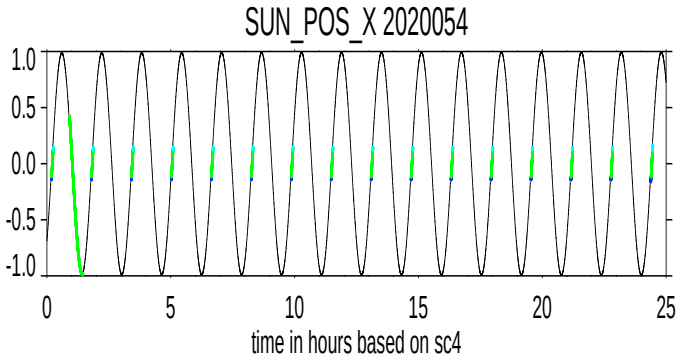

INTERNAL ERROR 2020054
16
8
0
0
5
10
15
20
25
time in hours based on sc4

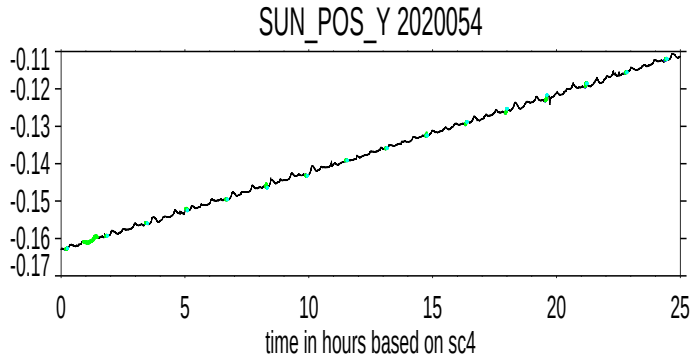

ERRORS 2020054
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

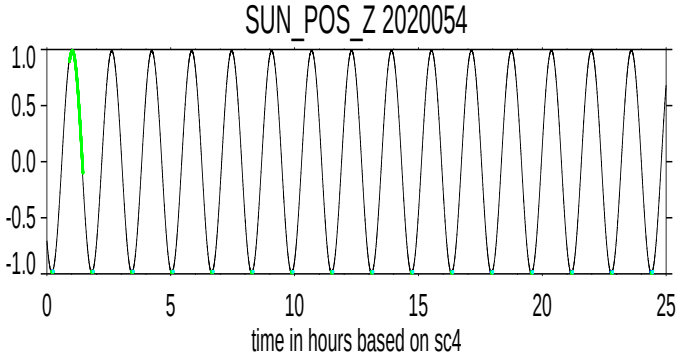

ODC STATUS 2020054
2
1
0
0
5
10
15
20
25
time in hours based on sc4

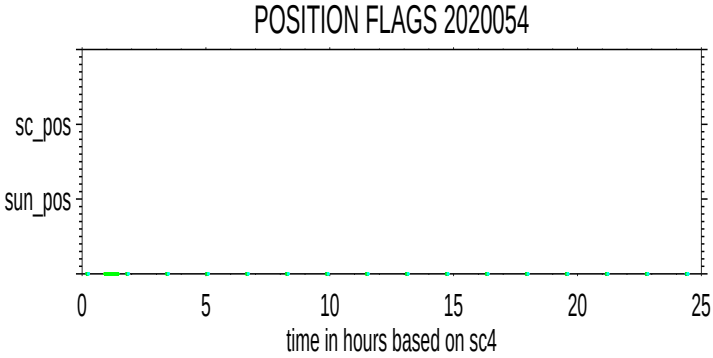

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

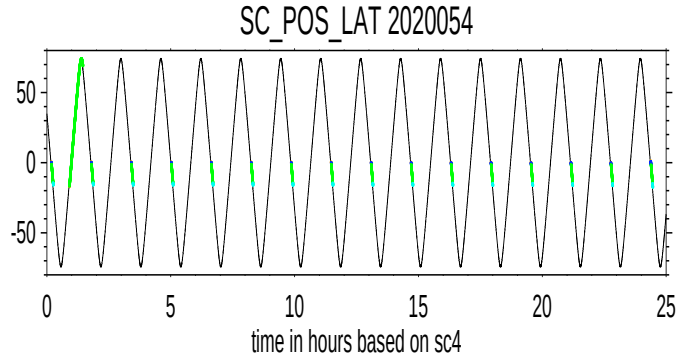

SAA_FLAG 2020054
40
0
0
5
10
15
20
25
time in hours based on sc4

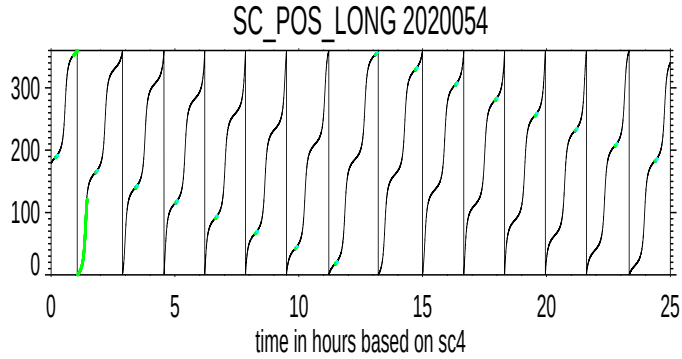

SUN_POS_X 2020054
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

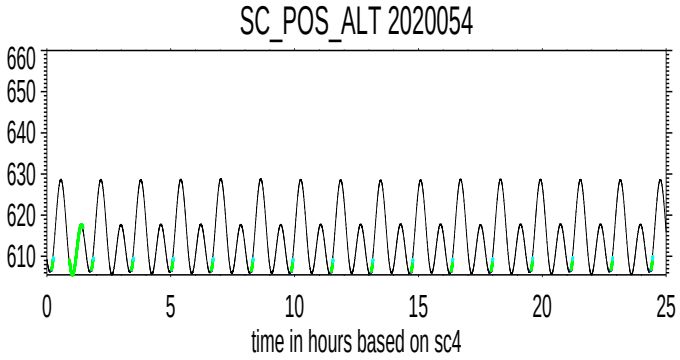

SUN_POS_Y 2020054
-0.11
-0.12
-0.13
-0.14
-0.15
-0.16
-0.17
0
5
10
15
20
25
time in hours based on sc4

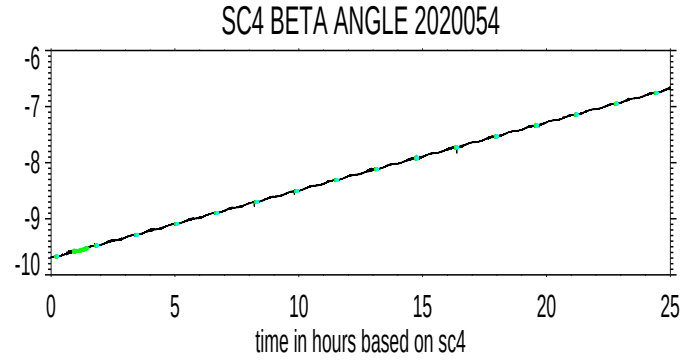

SUN_POS_Z 2020054
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020054
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020054
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020054
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020054
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020054
-6
-7
-8
-9
-10
0
5
10
15
20
25
time in hours based on sc4