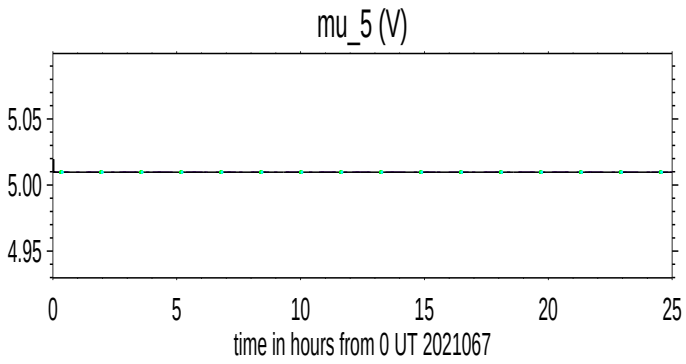
```
Information for      2021067
01:00:02.000: see_stat[1]: 10 internal error
```

/export/timed/data/science_dp/tlm_limit/outoflimit_2021067_012.txt
Fri Mar 12 05:58:40 2021 1

RH OutOfLimit 1299196830 1299286817 hk.mu_cmd_pkt_reject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4.95
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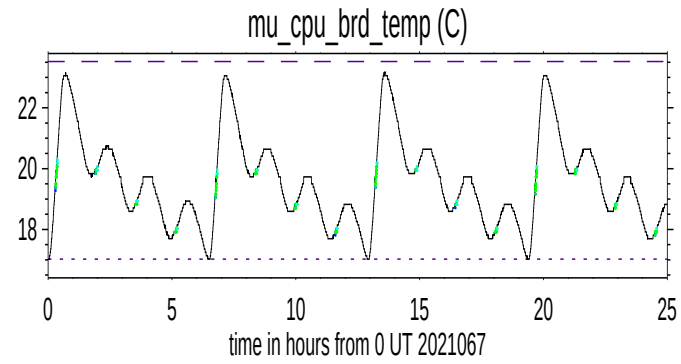
5
10
15
20
25
time in hours from 0 UT 2021067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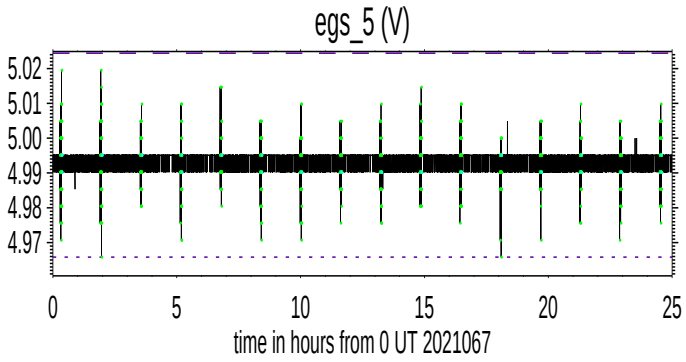
time in hours from 0 UT 2021067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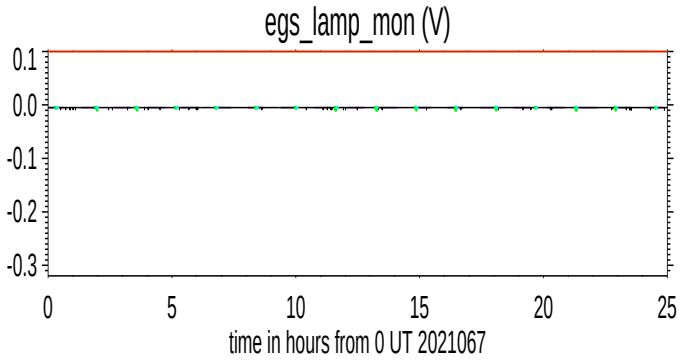
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2021067


egs_lamp_mon (V)
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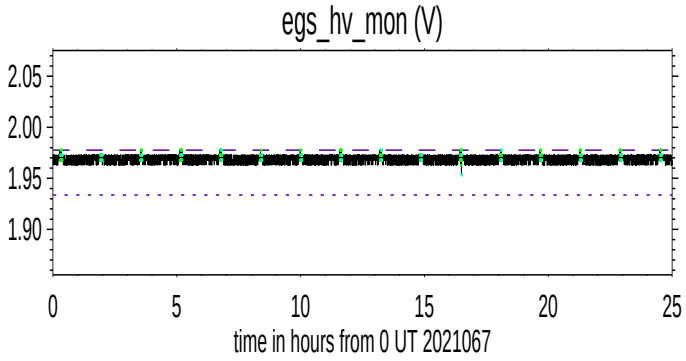
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2021067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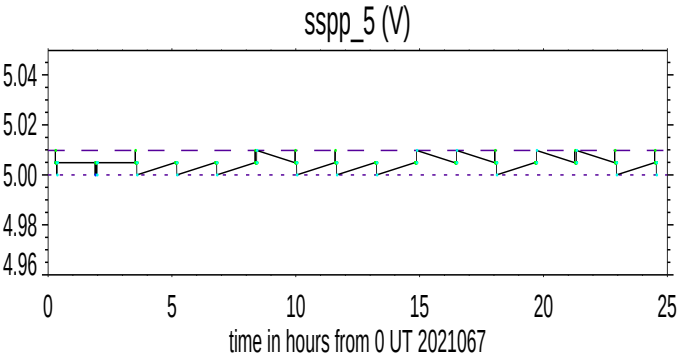
2.00
1.95
1.90
0
5
10
15
20
25
time in hours from 0 UT 2021067


sspp_5 (V)
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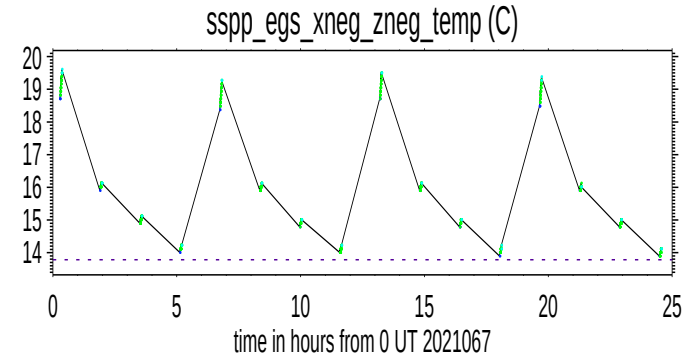
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2021067


sspp_egs_xneg_zneg_temp (C)
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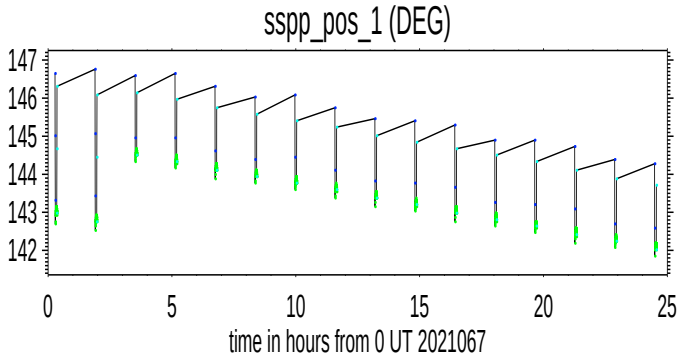
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067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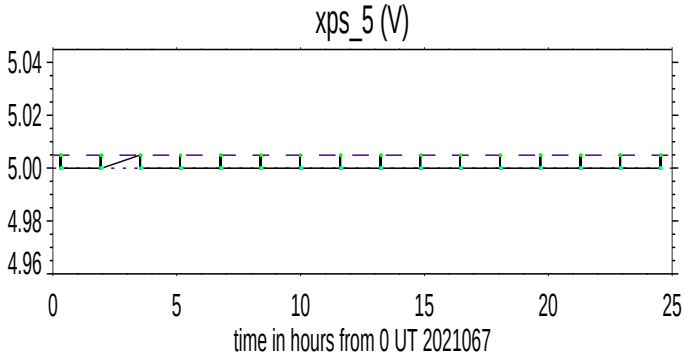
146
145
144
143
142
0
5
10
15
20
25
time in hours from 0 UT 2021067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5.02
5.00
4.98
4.96
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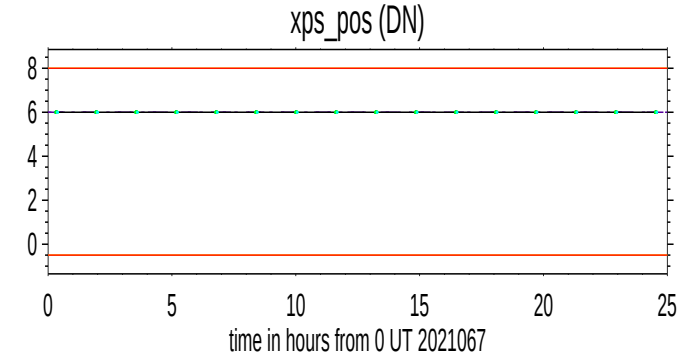
5
10
15
20
25
time in hours from 0 UT 2021067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6
4
2
0
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10
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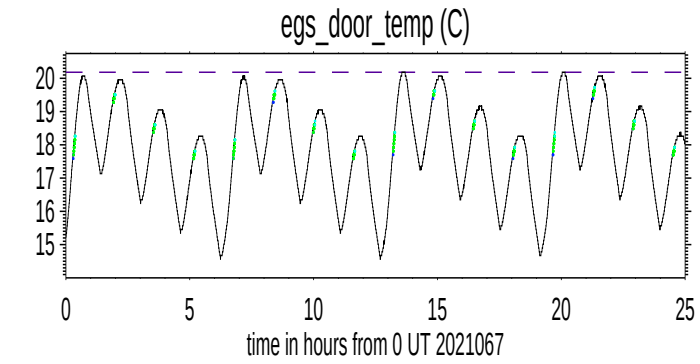
time in hours from 0 UT 2021067


egs_door_temp (C)
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19
18
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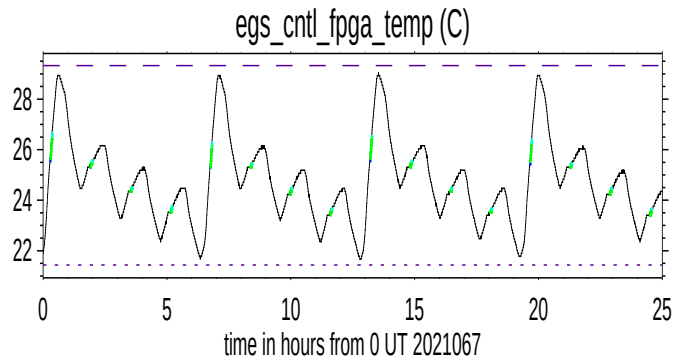
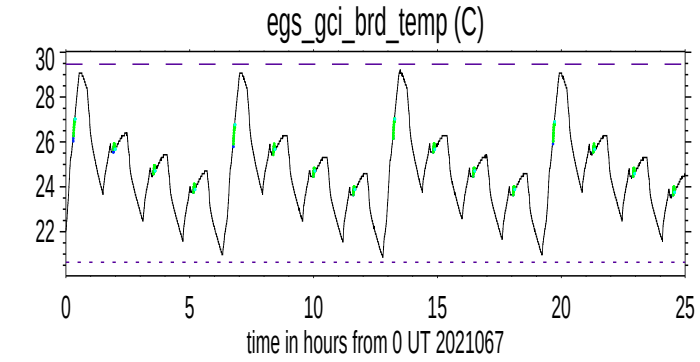
10
15
20
25
time in hours from 0 UT 2021067


egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021067


egs_gci_brd_temp (C)
30
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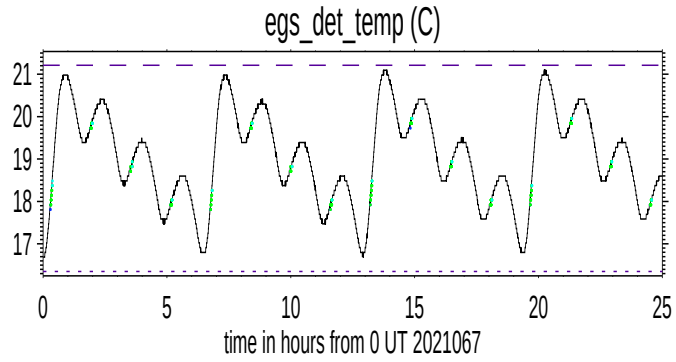
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021067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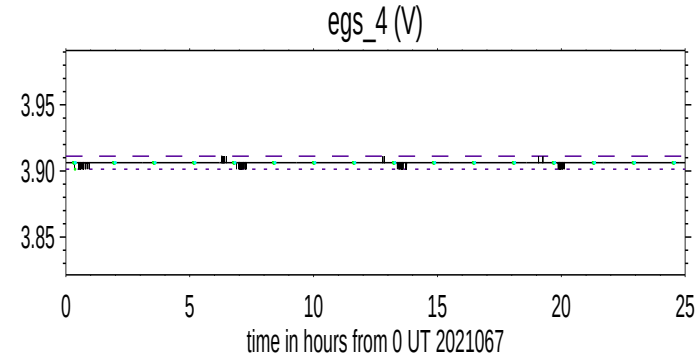
17
0
5
10
15
20
25
time in hours from 0 UT 2021067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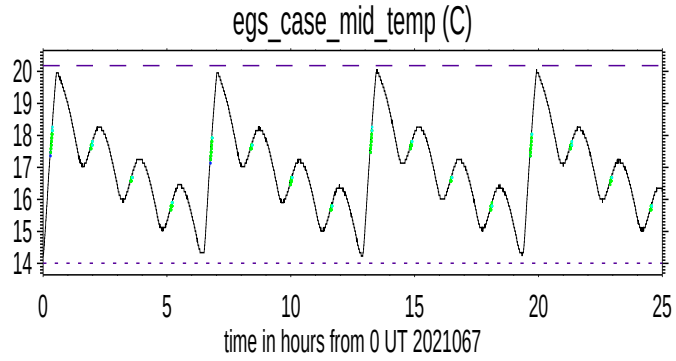
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021067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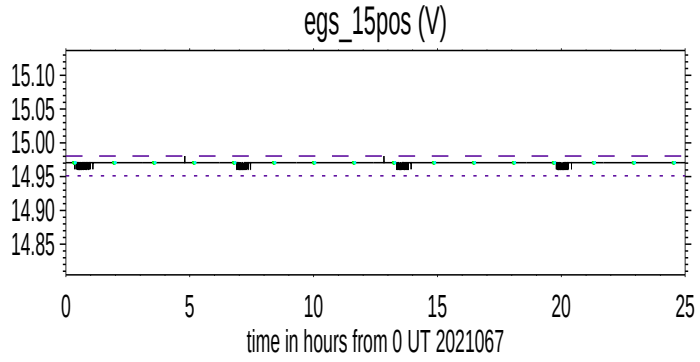
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067


egs_15pos (V)
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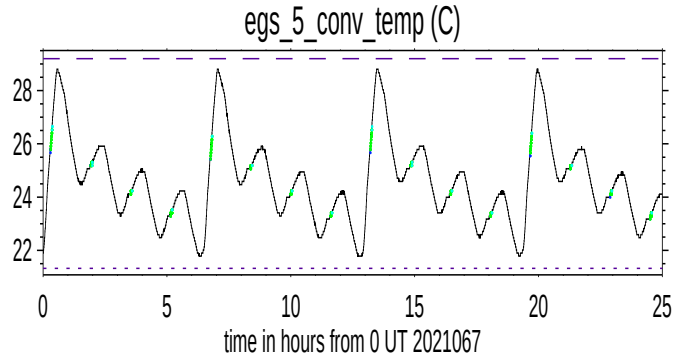
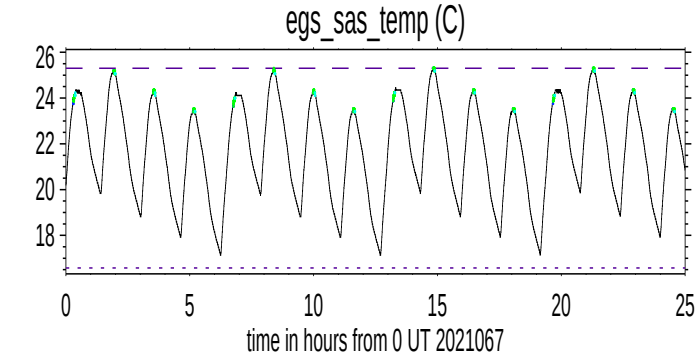
15.05
15.00
14.95
14.90
14.85
0
5
10
15
20
25
time in hours from 0 UT 2021067


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021067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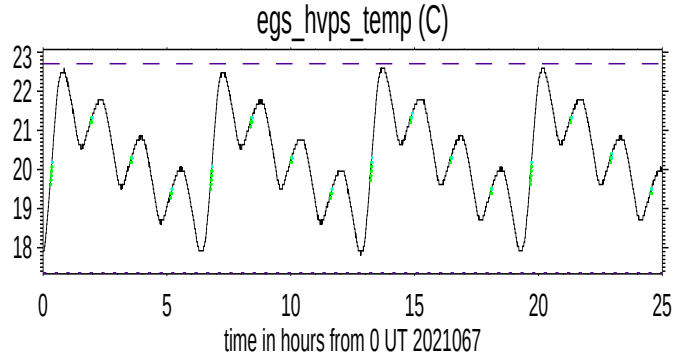
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067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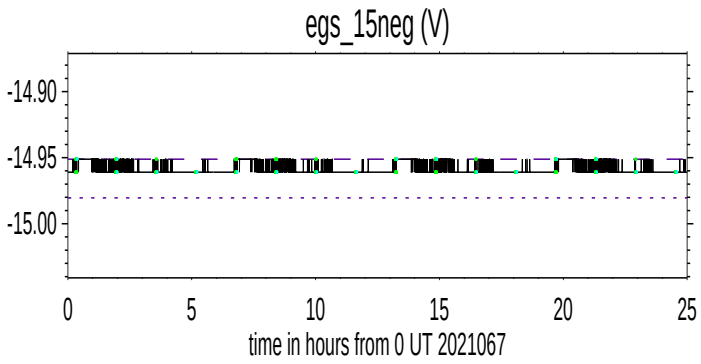
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2021067


egs_15neg (V)
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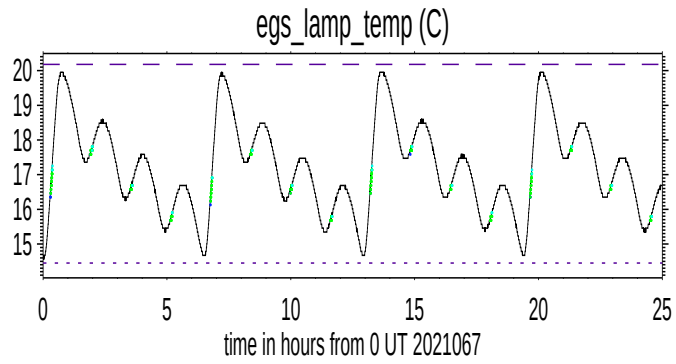
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2021067


egs_lamp_temp (C)
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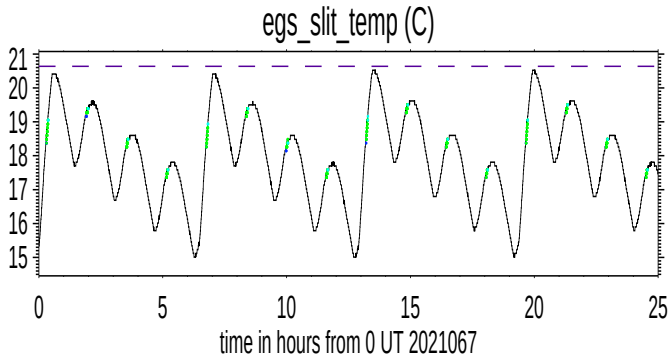
0 5 10 15 20 25
time in hours from 0 UT 2021067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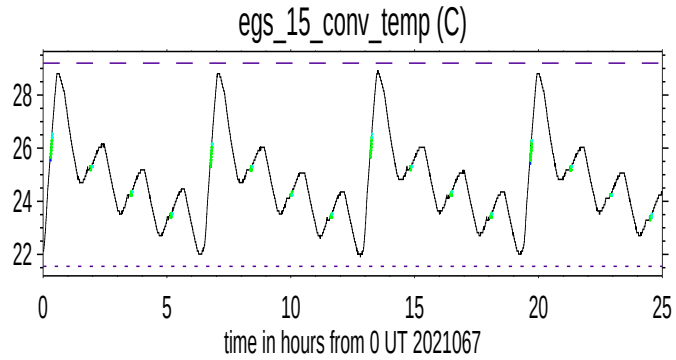
21 20 19 18 17 16 15
0 5 10 15 20 25
time in hours from 0 UT 2021067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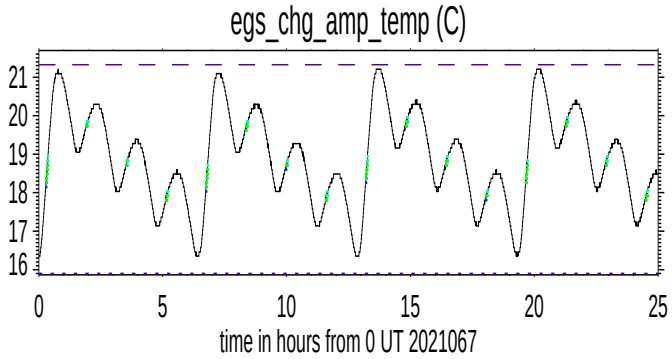
time in hours from 0 UT 2021067


egs_chg_amp_temp (C)
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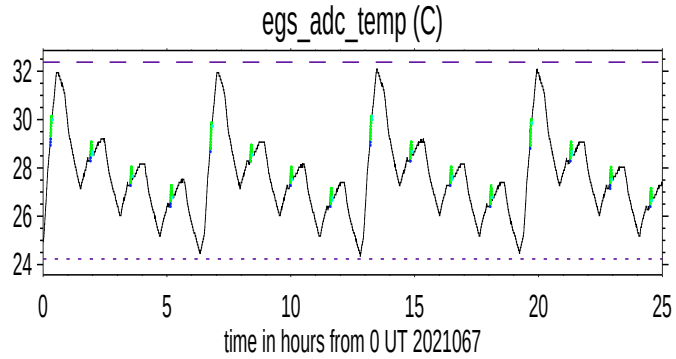
0 5 10 15 20 25
time in hours from 0 UT 2021067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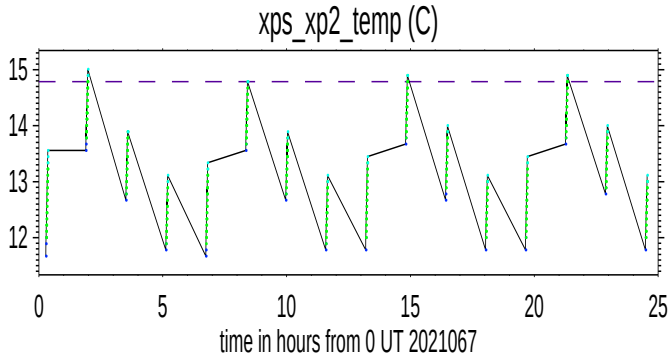
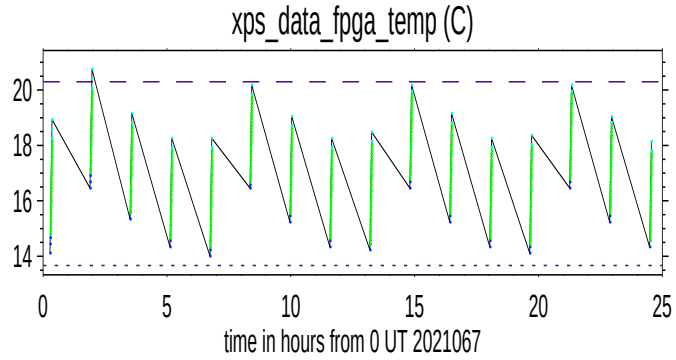
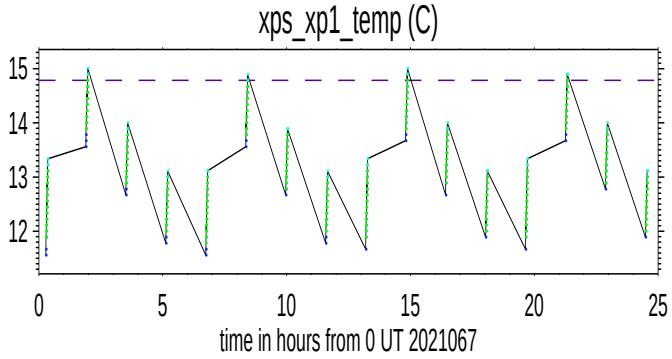
time in hours from 0 UT 2021067


xps_xp2_temp (C)
15 14 13 12
0 5 10 15 20 25
time in hours from 0 UT 2021067


xps_data_fpga_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2021067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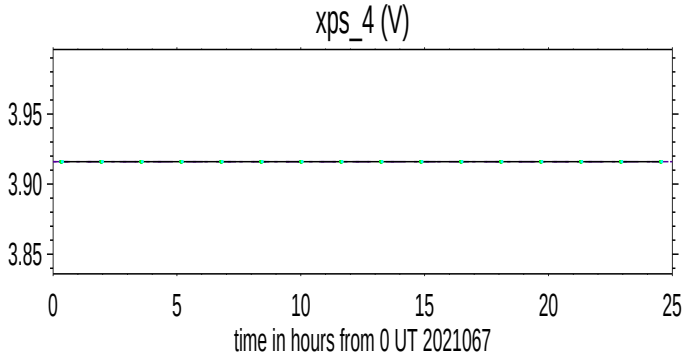
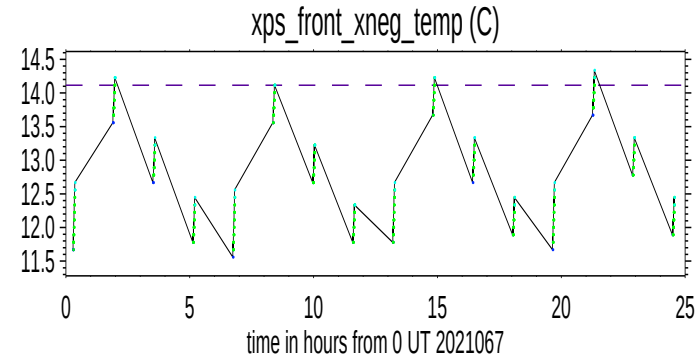
15 14 13 12
0 5 10 15 20 25
time in hours from 0 UT 2021067


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2021067


xps_front_xneg_temp (C)
14.5
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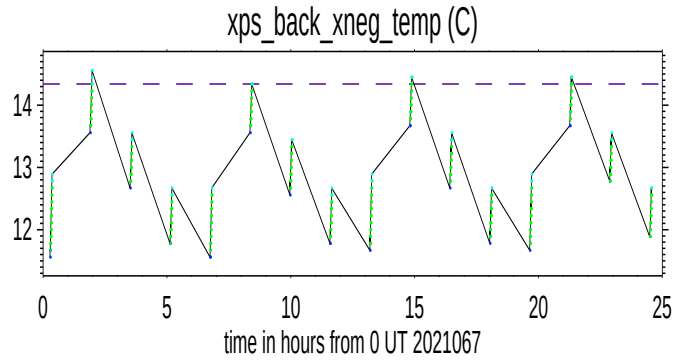
12.5
12.0
11.5
0
5
10
15
20
25
time in hours from 0 UT 2021067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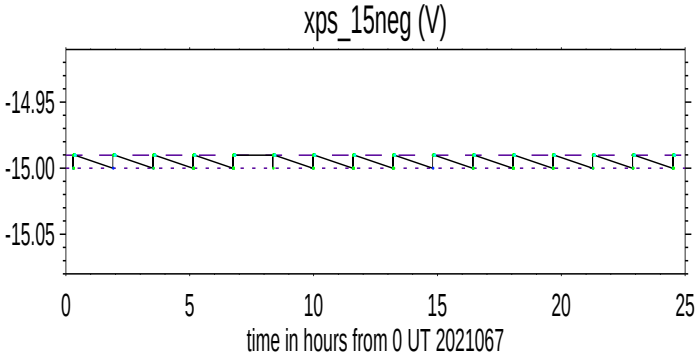
12
0
5
10
15
20
25
time in hours from 0 UT 2021067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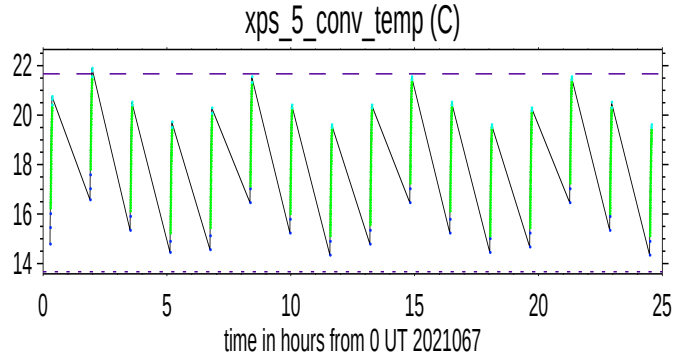
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2021067


xps_5_conv_temp (C)
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20
18
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14
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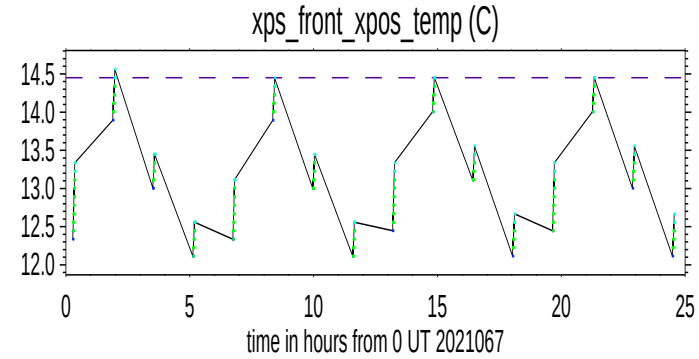
5
10
15
20
25
time in hours from 0 UT 2021067


xps_front_xpos_temp (C)
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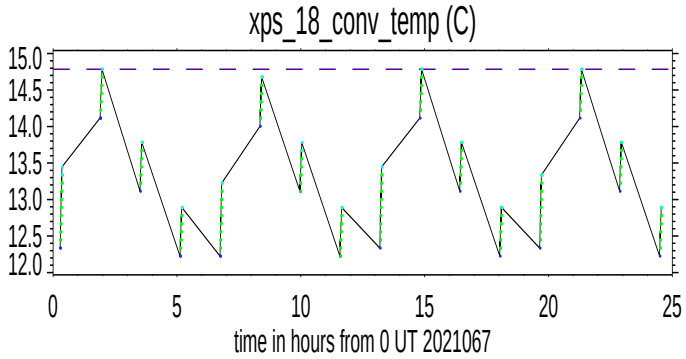
13.5
13.0
12.5
12.0
0
5
10
15
20
25
time in hours from 0 UT 2021067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13.0
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10
15
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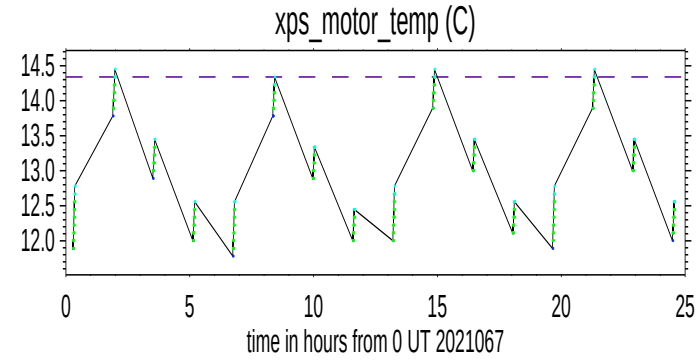
25
time in hours from 0 UT 2021067


xps_motor_temp (C)
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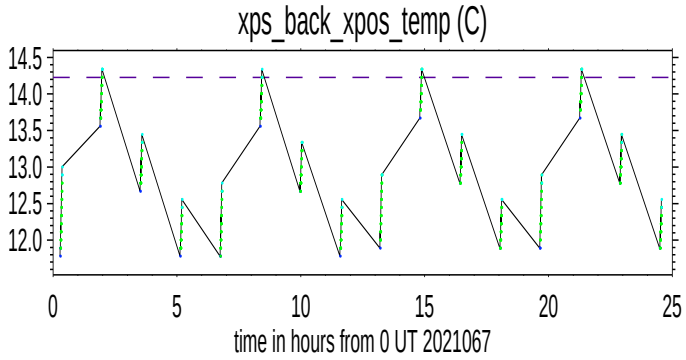
13.0
12.5
12.0
0
5
10
15
20
25
time in hours from 0 UT 2021067


xps_back_xpos_temp (C)
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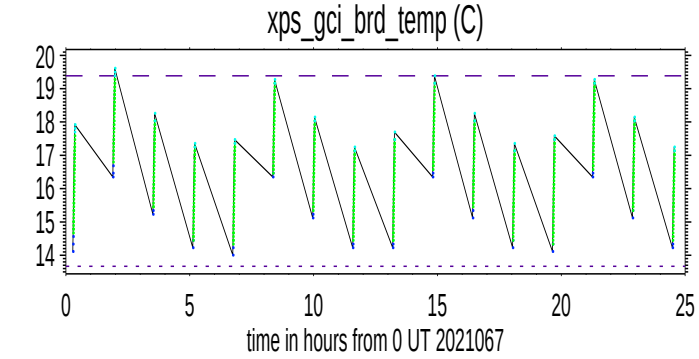
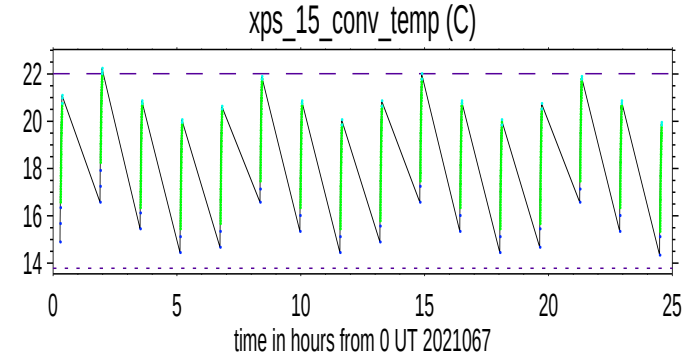
13.5
13.0
12.5
12.0
0
5
10
15
20
25
time in hours from 0 UT 2021067


xps_gci_brd_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067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22
20
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16
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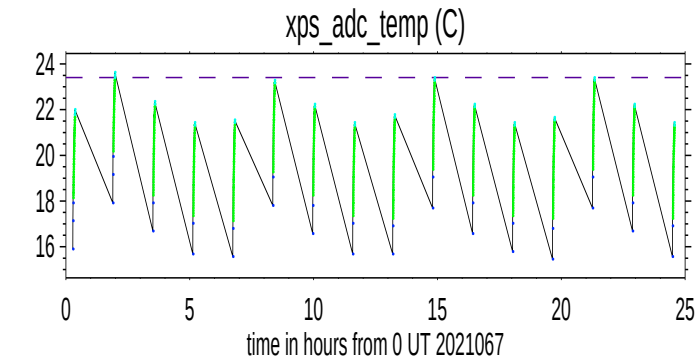
10
15
20
25
time in hours from 0 UT 2021067


xps_adc_temp (C)
24
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10
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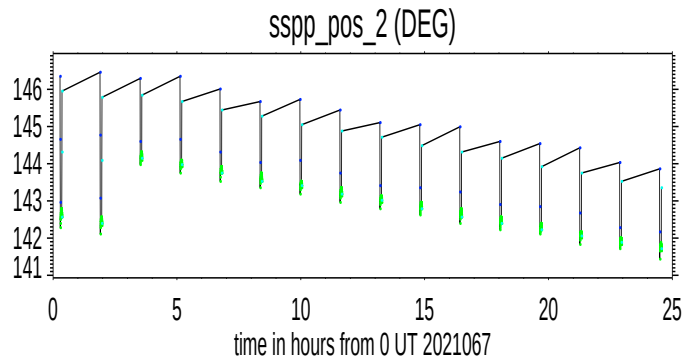
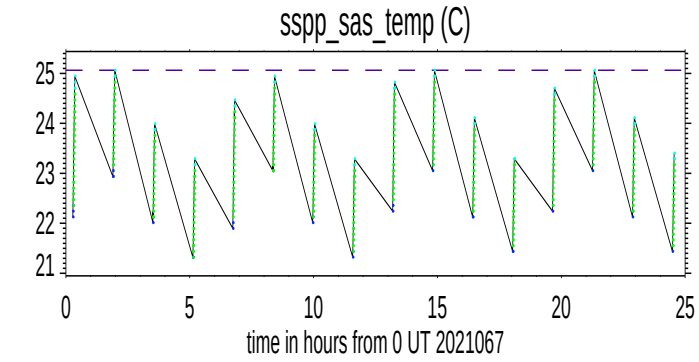
25
time in hours from 0 UT 2021067


sspp_pos_2 (DEG)
146
145
144
143
142
141
0
5
10
15
20
25
time in hours from 0 UT 2021067


sspp_sas_temp (C)
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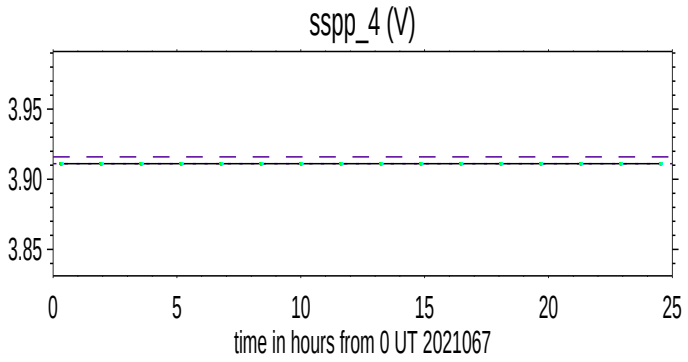
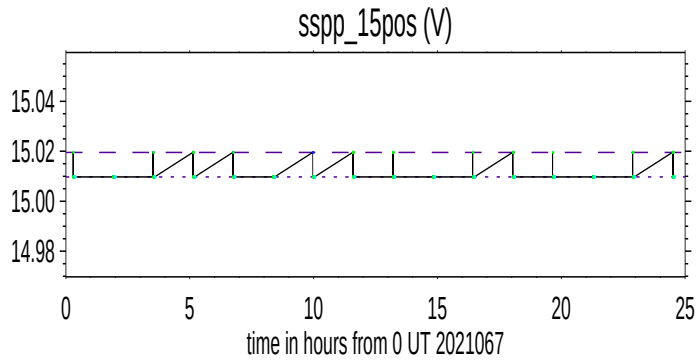
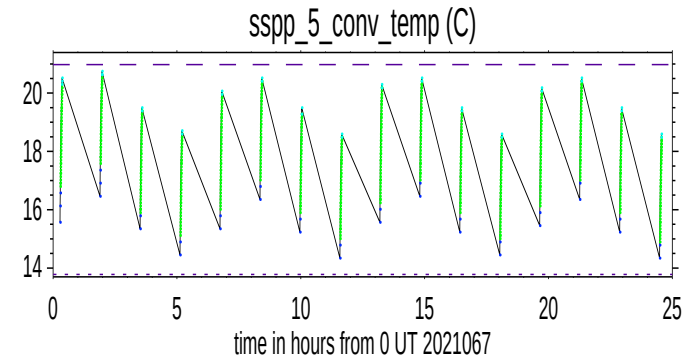
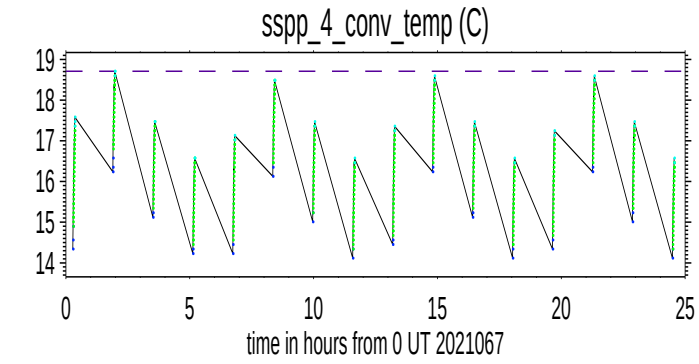
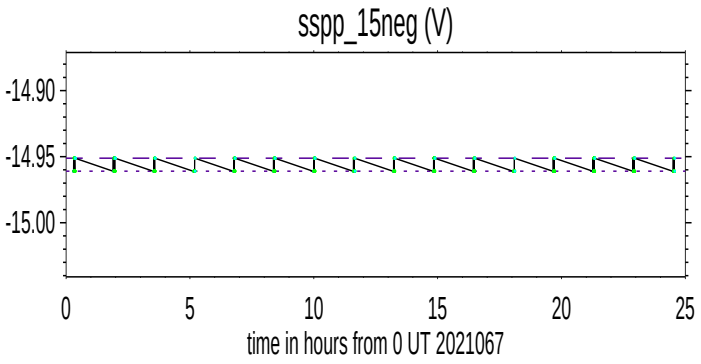
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2021067

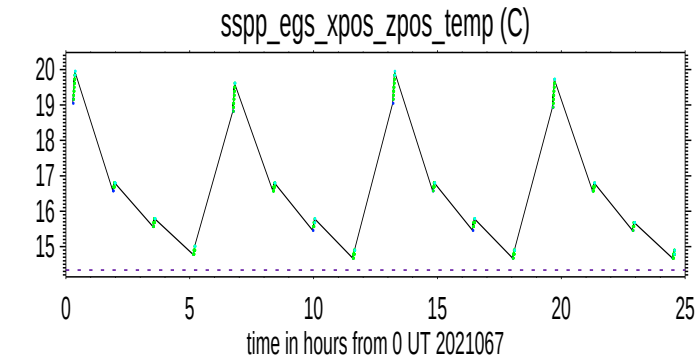

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021067

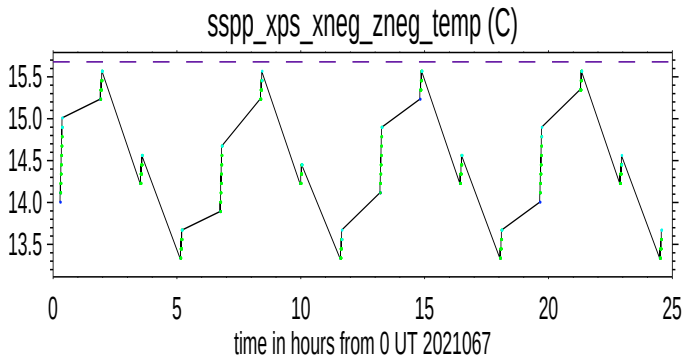

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2021067

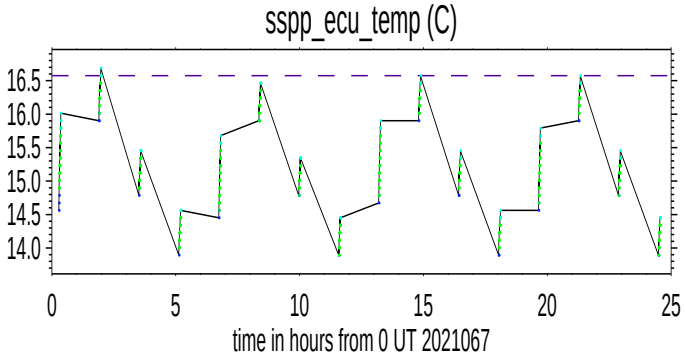

sspp_5_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

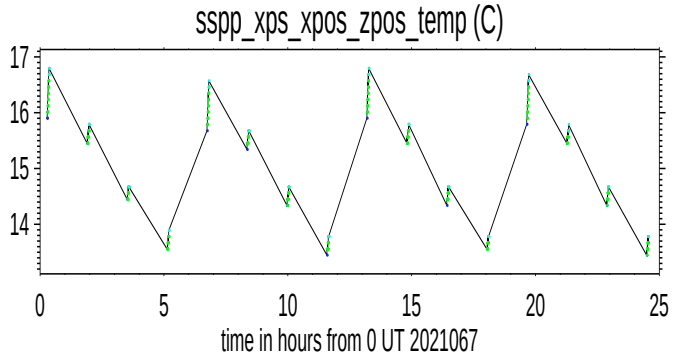

sspp_4_conv_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

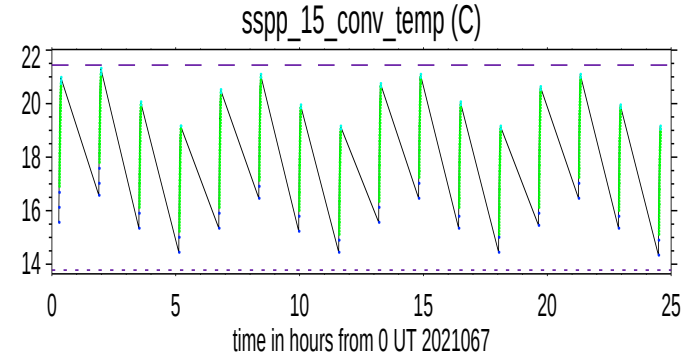

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2021067

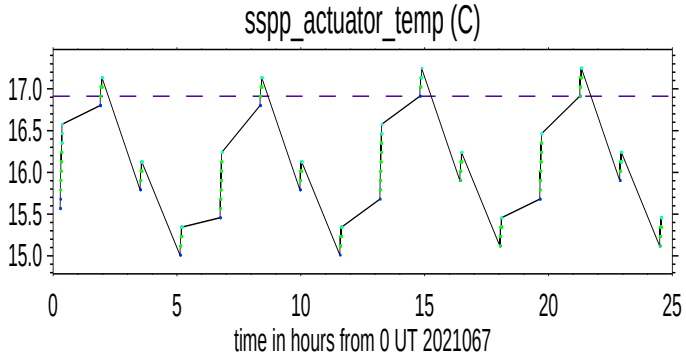

sspp_egs_xpos_zpos_temp (C)
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2021067

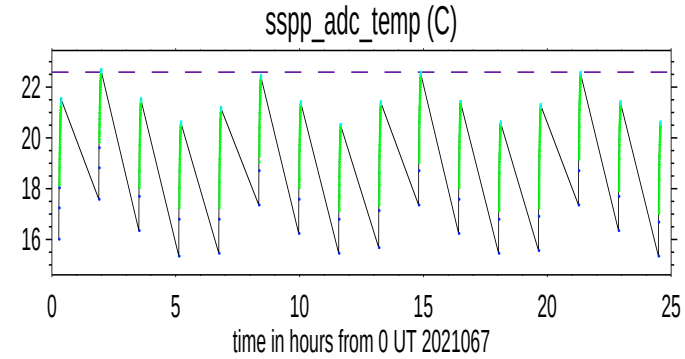

sspp_xps_xneg_zneg_temp (C)
15.5
15.0
14.5
14.0
13.5
0
5
10
15
20
25
time in hours from 0 UT 2021067

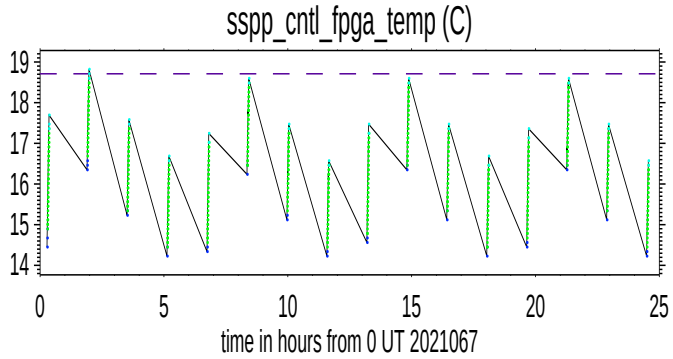

sspp_ecu_temp (C)
16.5
16.0
15.5
15.0
14.5
14.0
0
5
10
15
20
25
time in hours from 0 UT 2021067

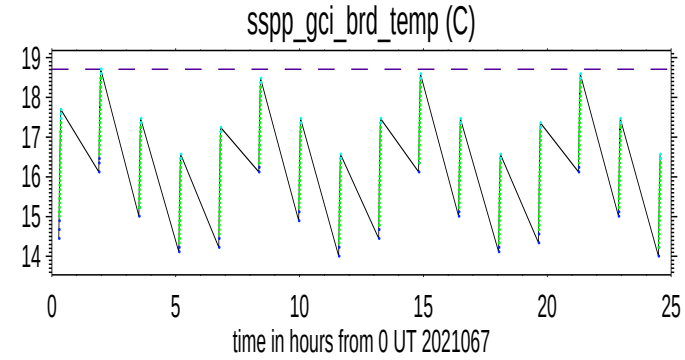

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

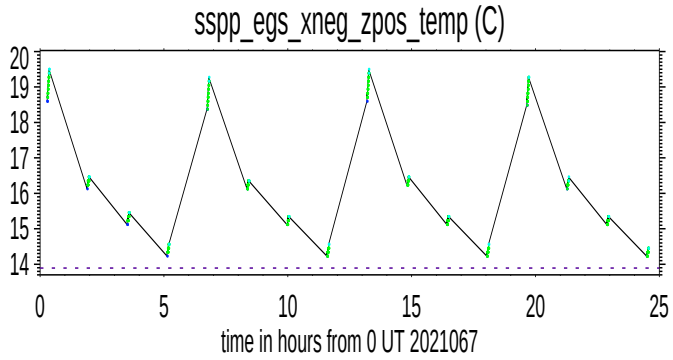

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

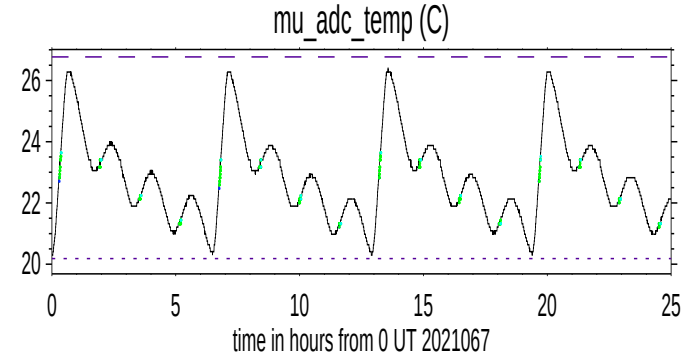

sspp_actuator_temp (C)
17.0
16.5
16.0
15.5
15.0
0
5
10
15
20
25
time in hours from 0 UT 2021067

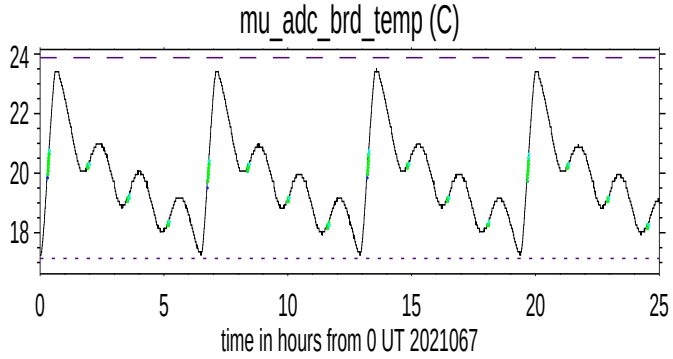

sspp_adc_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021067

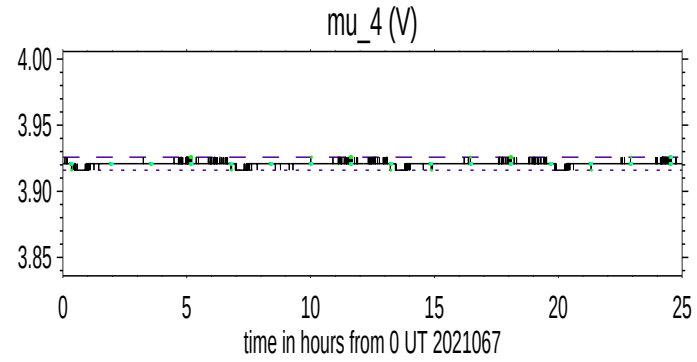

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

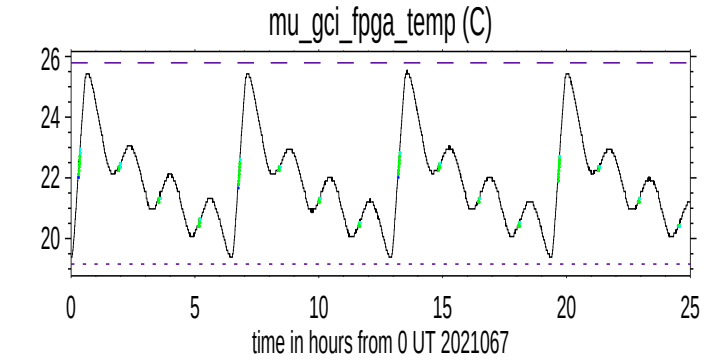

sspp_gci_brd_temp (C)
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

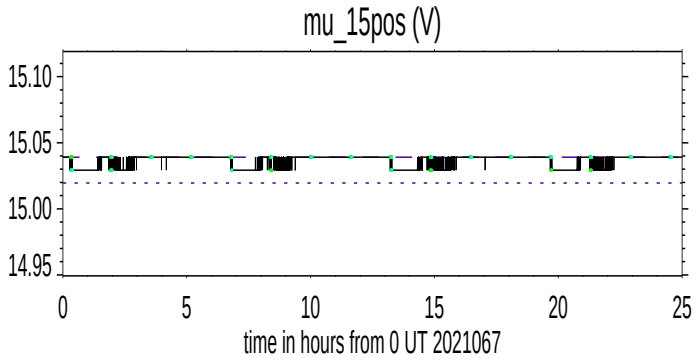

sspp_egs_xneg_zpos_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021067

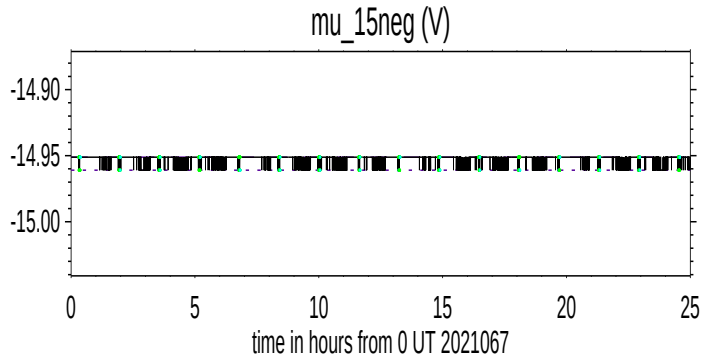

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021067

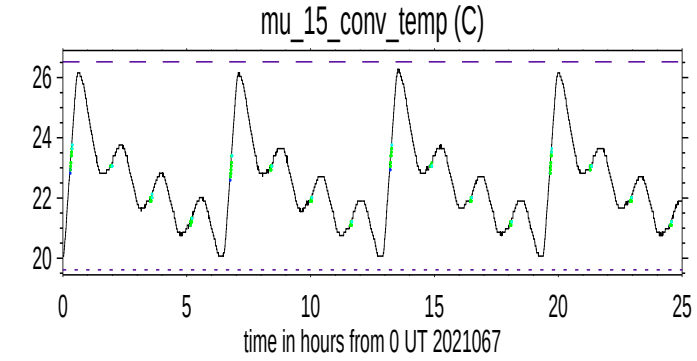

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

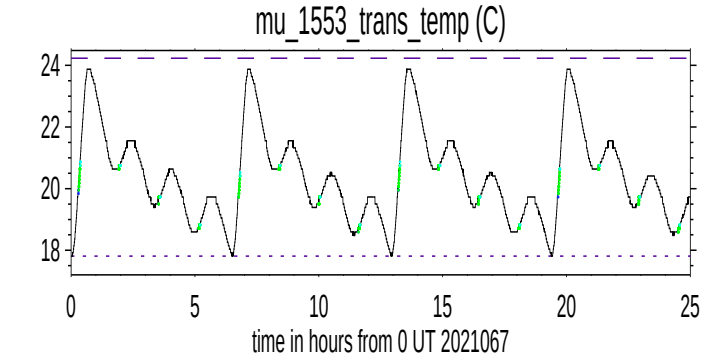

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021067

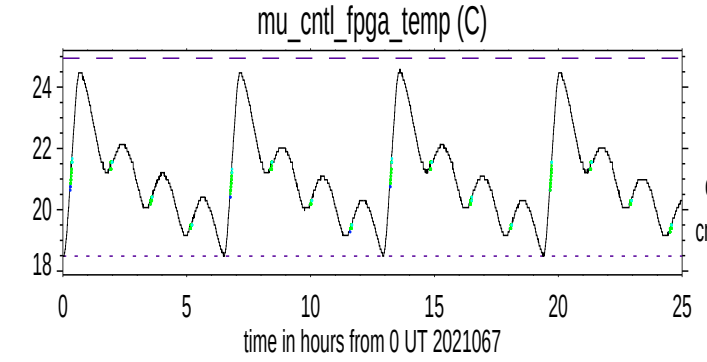

mu_gci_fpga_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021067

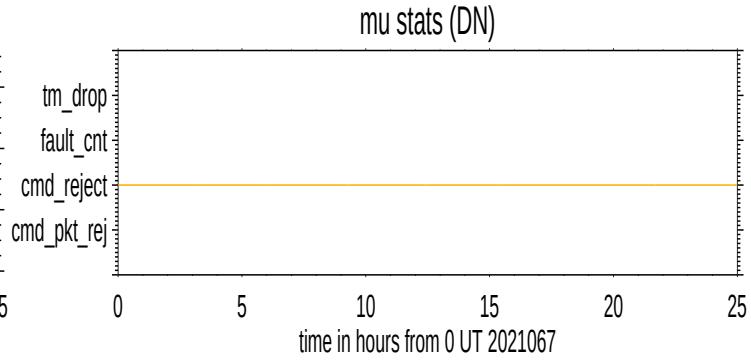

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2021067

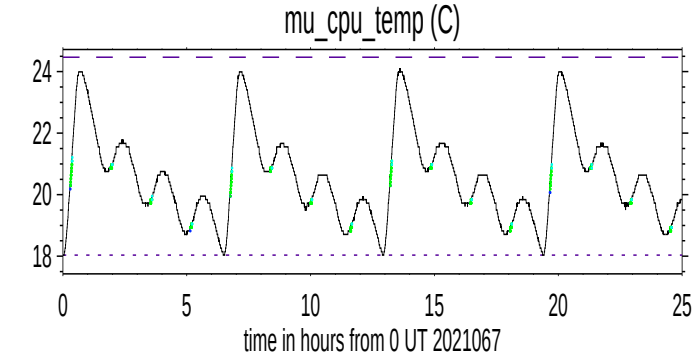

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2021067

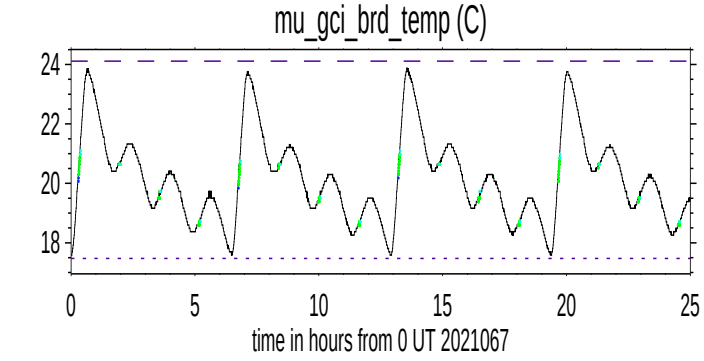

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021067

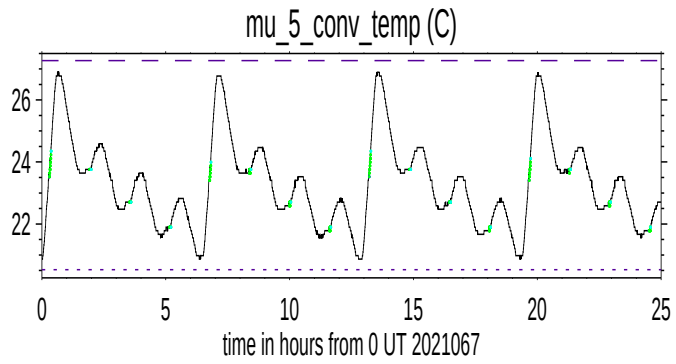

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

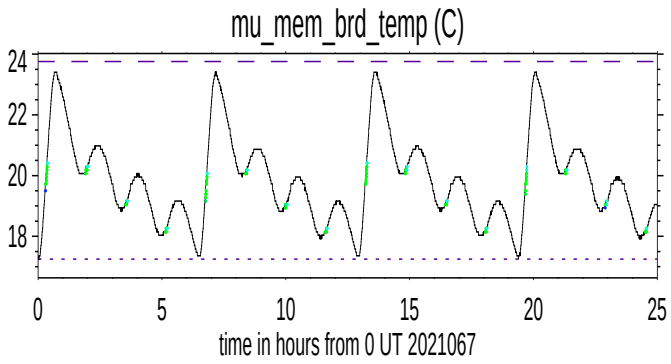

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

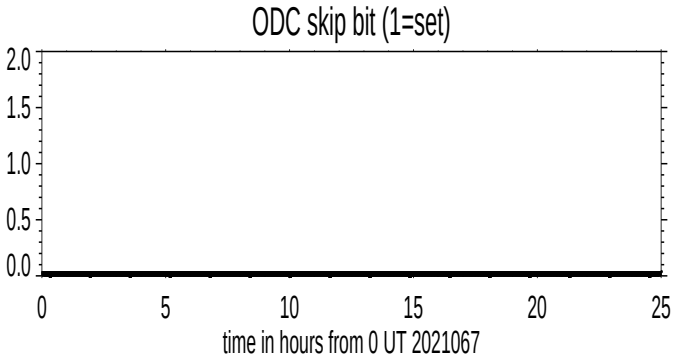

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2021067

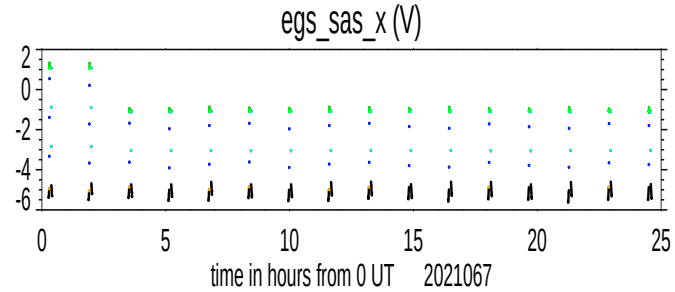

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

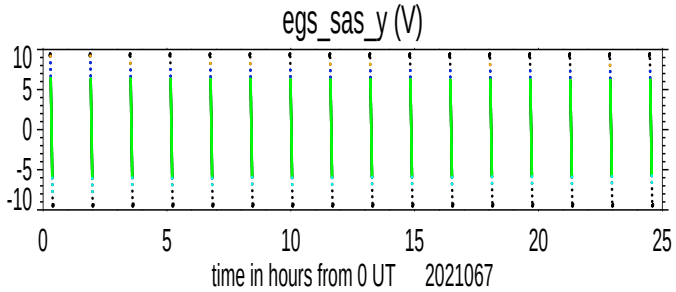

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

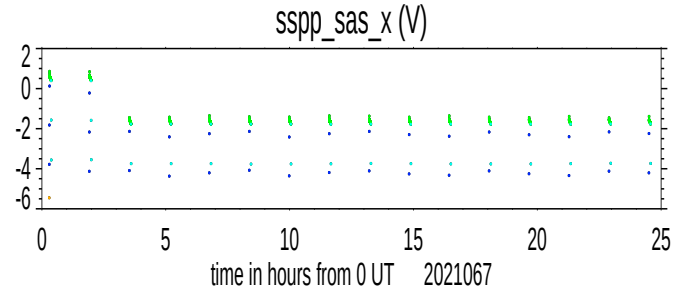

mu_5_conv_temp (C)
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021067

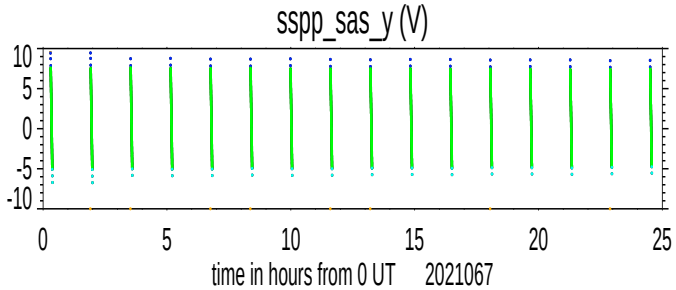

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021067

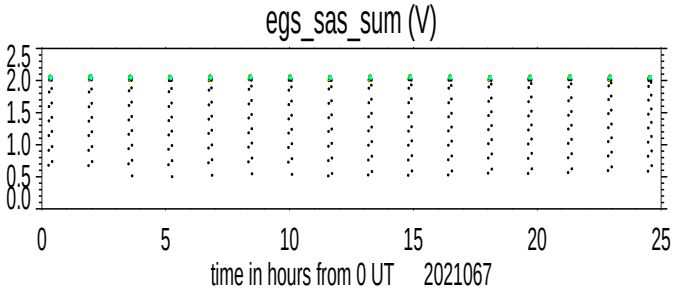

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2021067

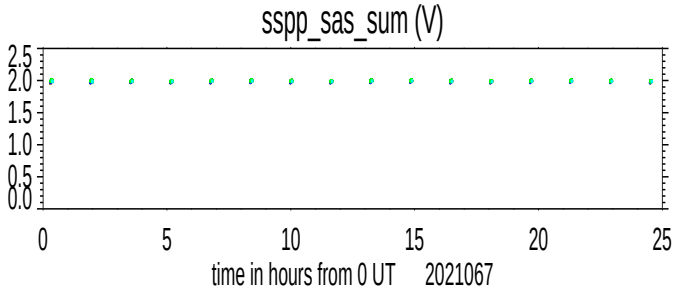

egs_sas_x (V)
time in hours from 0 UT 2021067

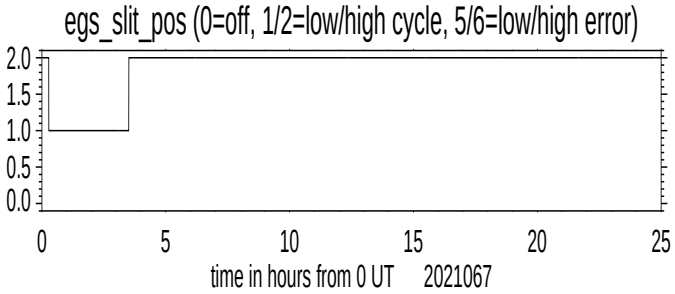

egs_sas_y (V)
time in hours from 0 UT 2021067

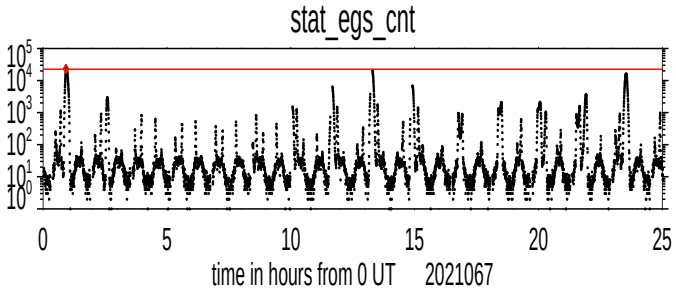

sspp_sas_x (V)
time in hours from 0 UT 2021067

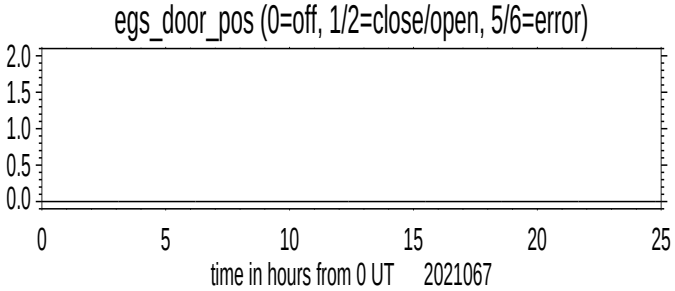

sspp_sas_y (V)
time in hours from 0 UT 2021067

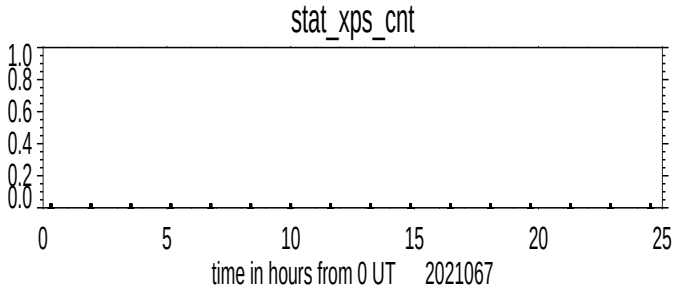

egs_sas_sum (V)
time in hours from 0 UT 2021067

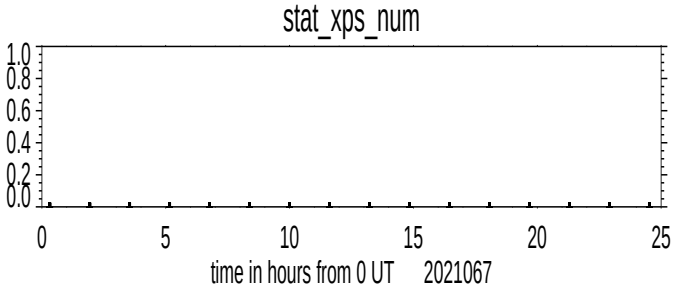

sspp_sas_sum (V)
time in hours from 0 UT 2021067

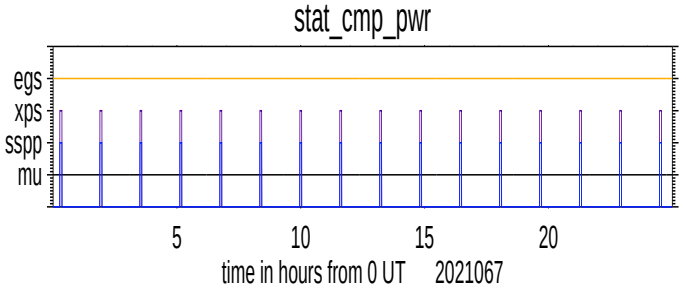

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2021067


stat_egs_cnt
time in hours from 0 UT 2021067

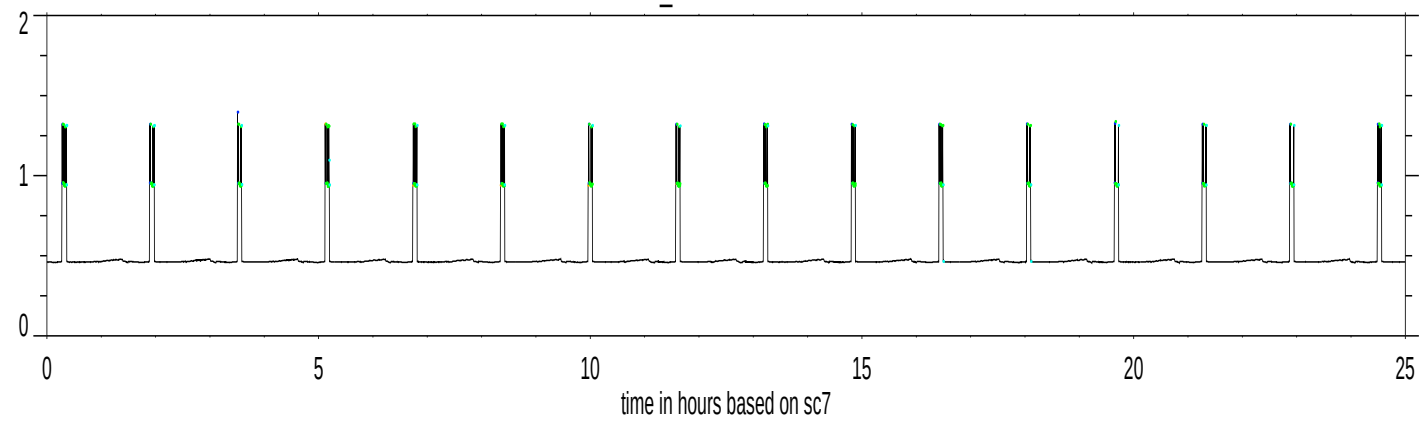

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2021067


stat_xps_cnt
time in hours from 0 UT 2021067

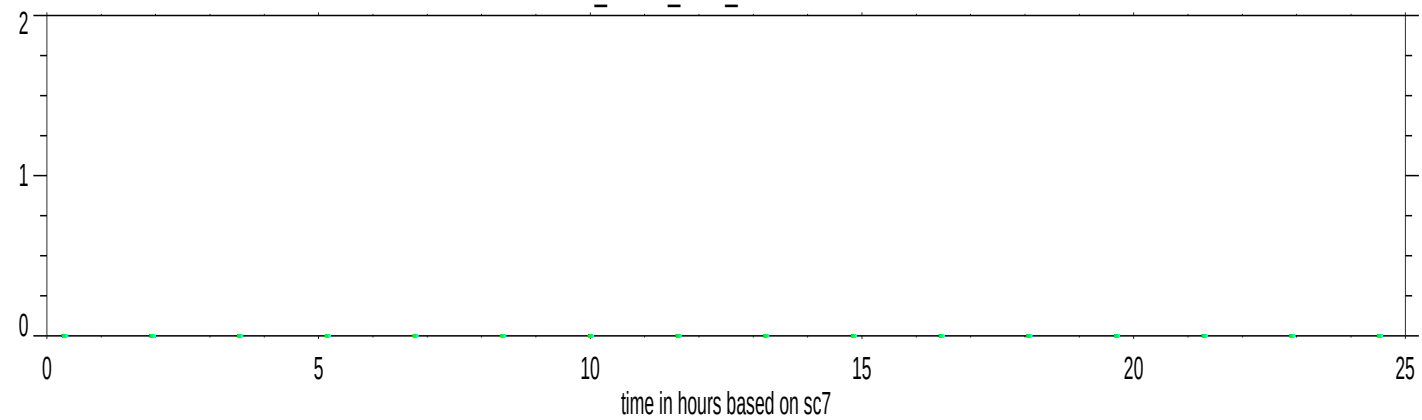

stat_xps_num
time in hours from 0 UT 2021067


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2021067

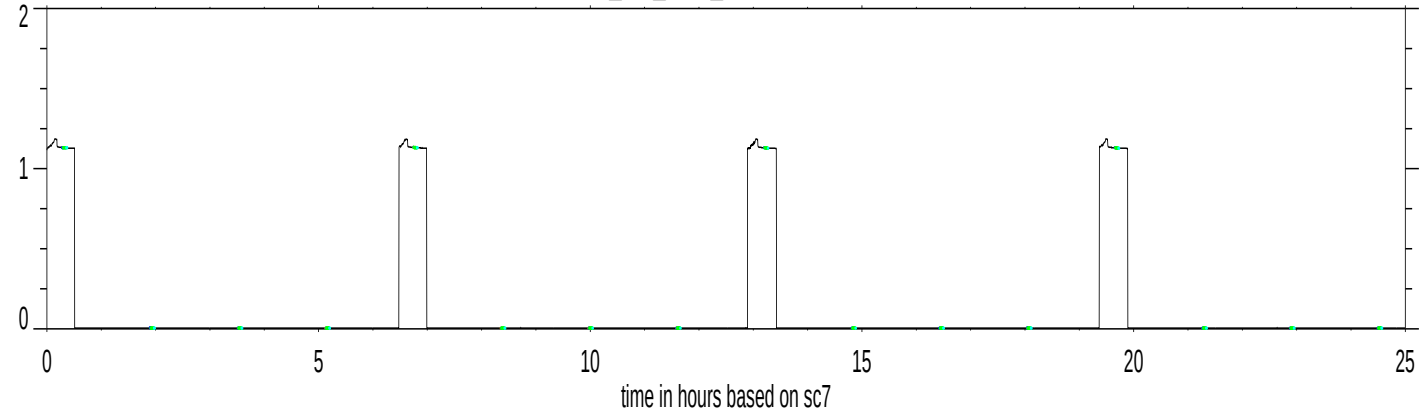
SEE_CUR 2021067



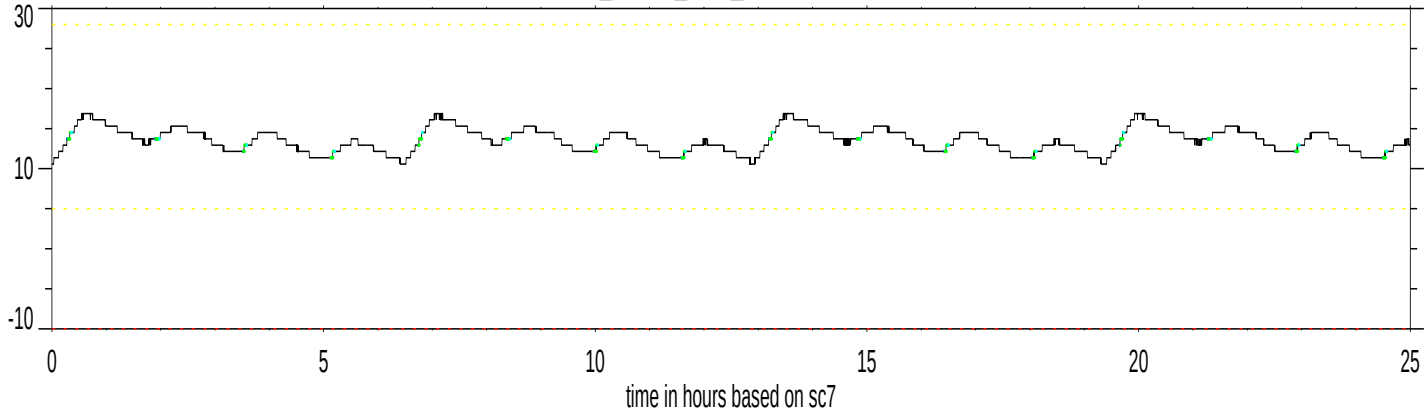
SEE_SURV_HTR_CUR 2021067



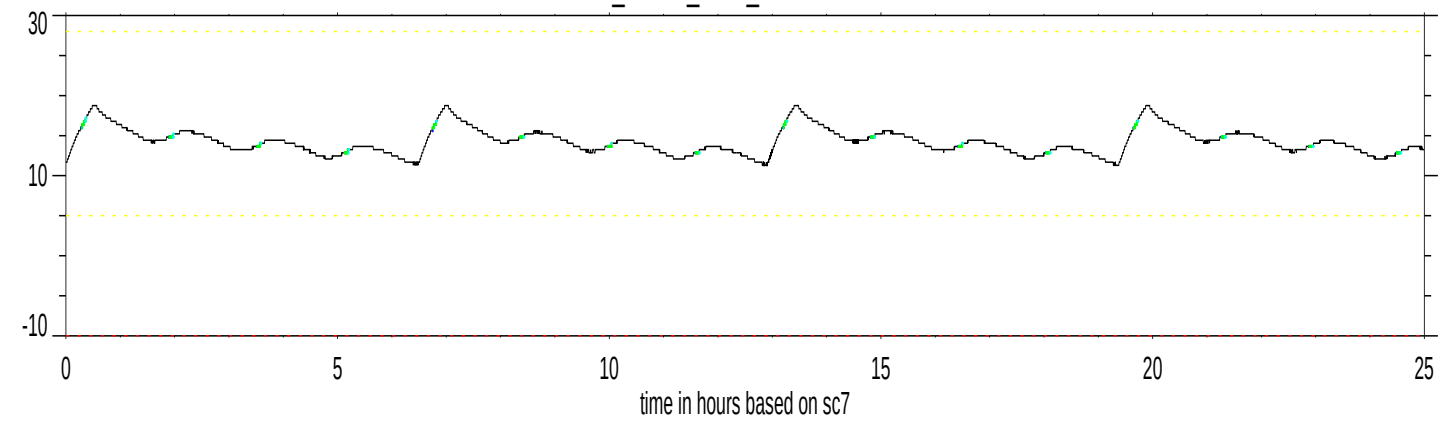
SEE_OP_HTR_CUR 2021067



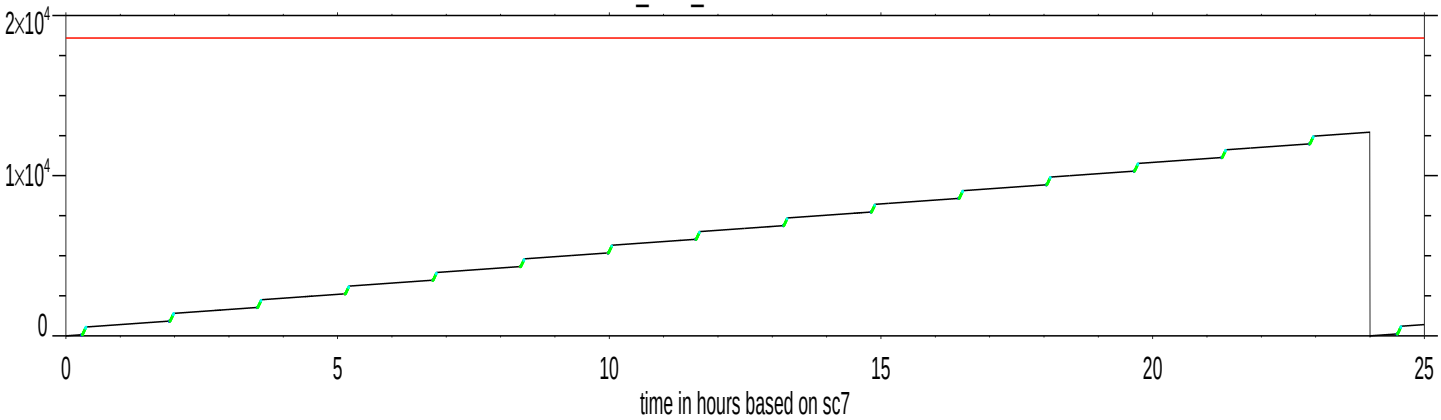
SSPP_BHND_XPS_TEMP 2021067



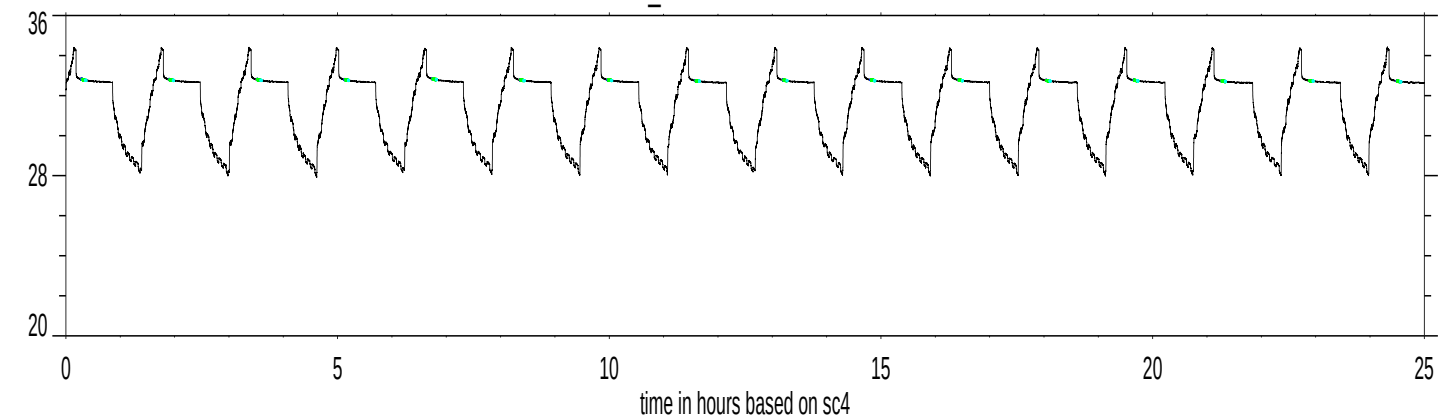
SSPP_BHND_MTR_TEMP 2021067



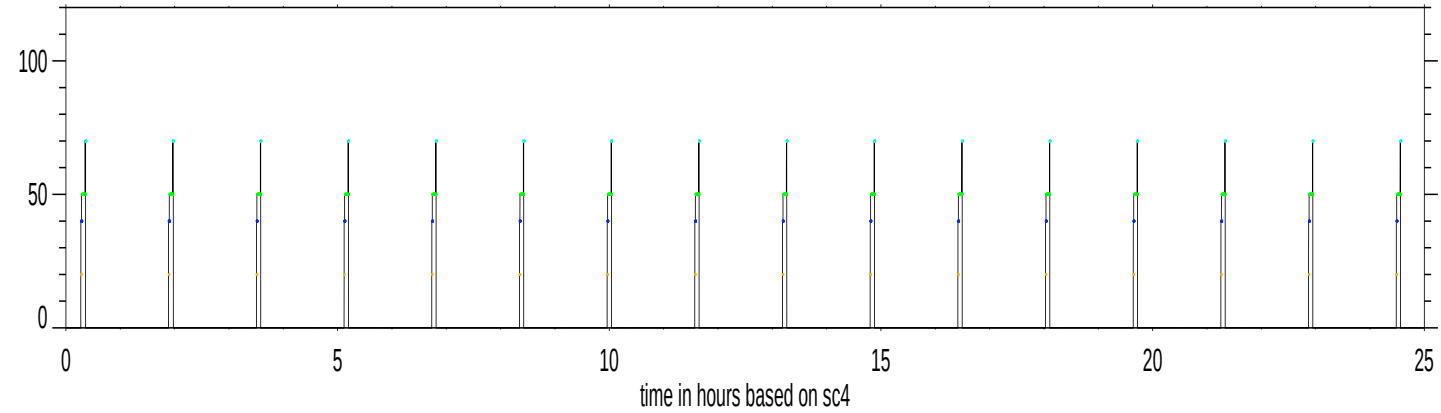
SEE_PKT_COUNT 2021067

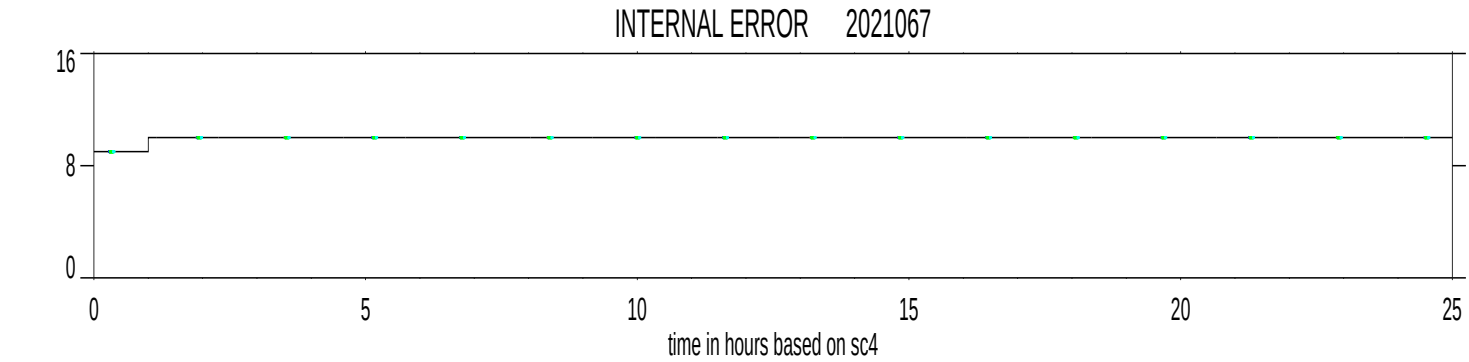


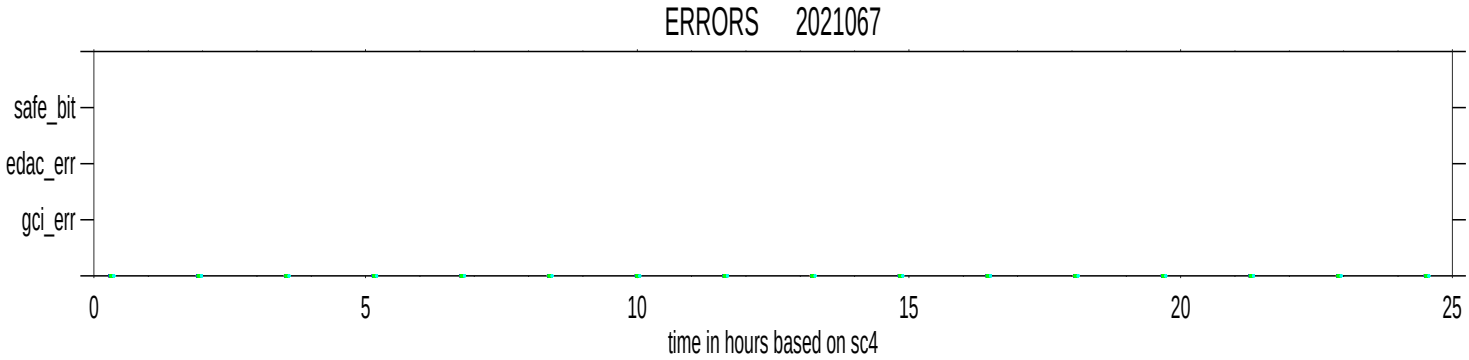
BUS_VOLTAGE 2021067

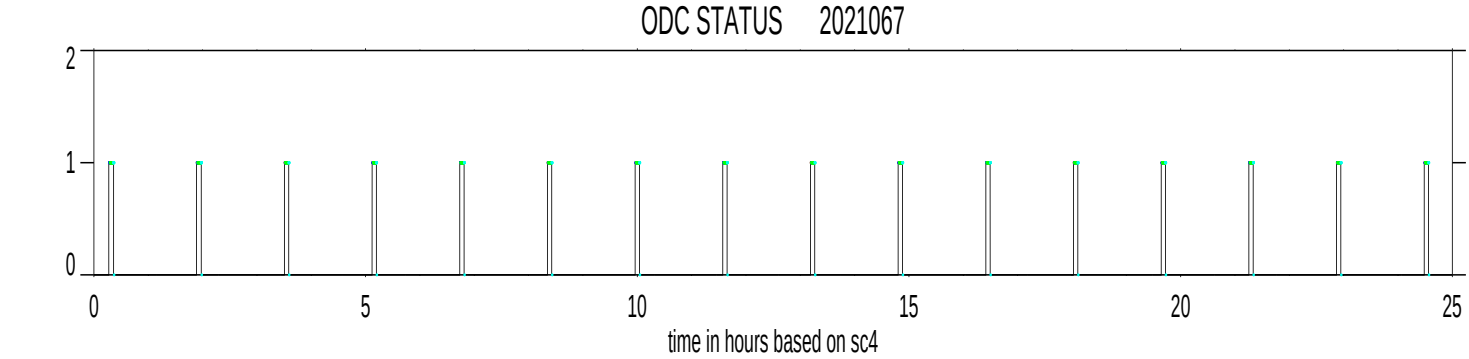


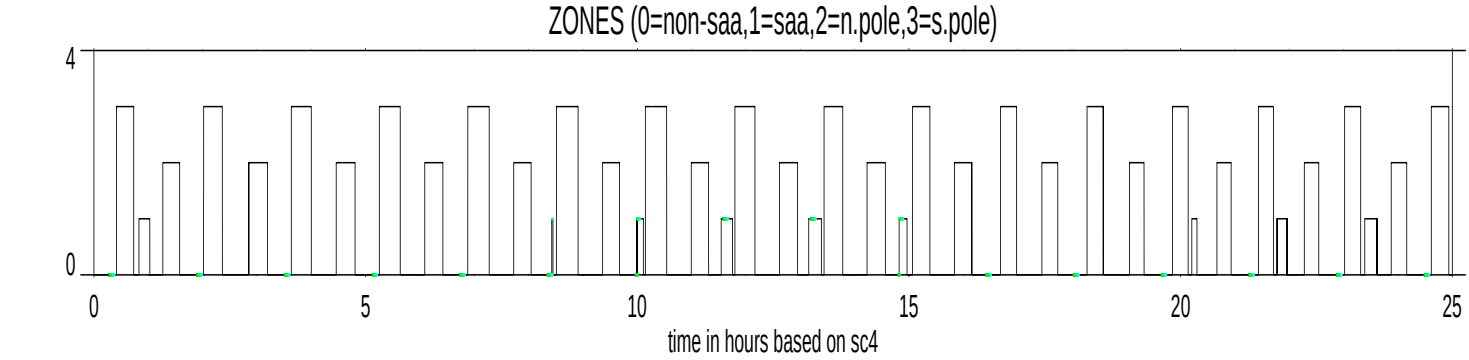
SEE_MU Operational Mode 2021067

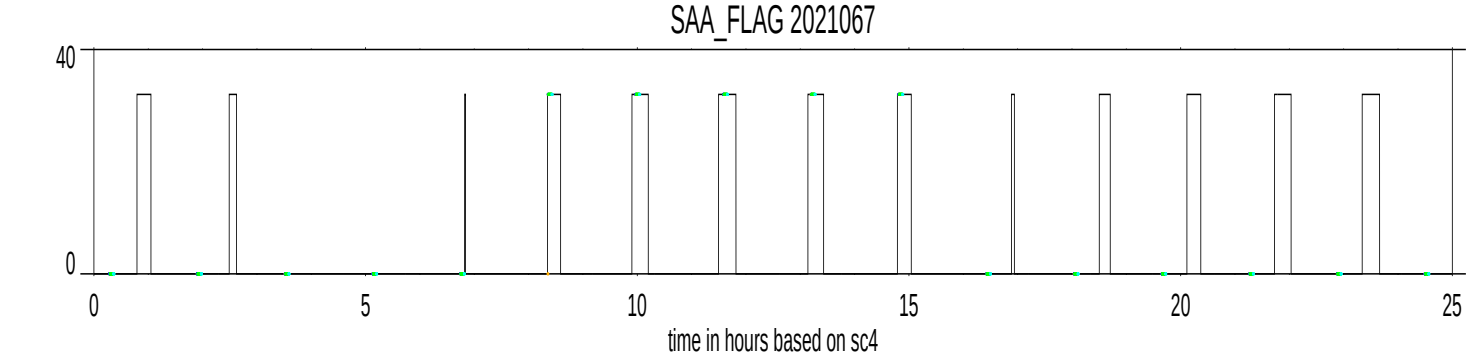


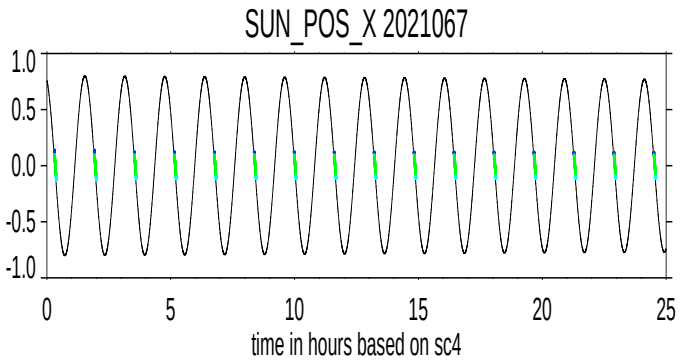

INTERNAL ERROR 2021067
16
8
0
0
5
10
15
20
25
time in hours based on sc4

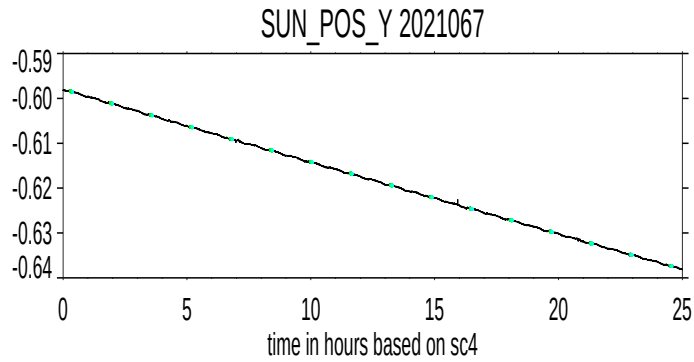

ERRORS 2021067
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

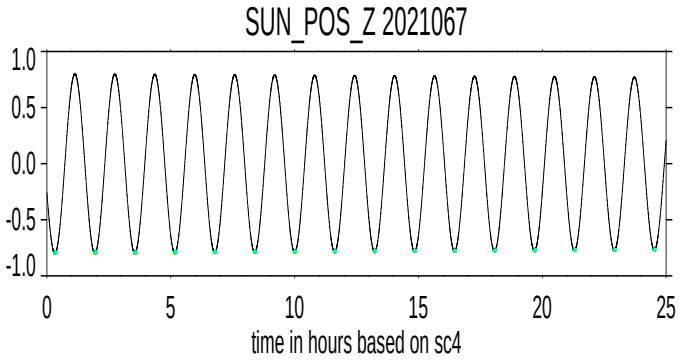

ODC STATUS 2021067
2
1
0
0
5
10
15
20
25
time in hours based on sc4

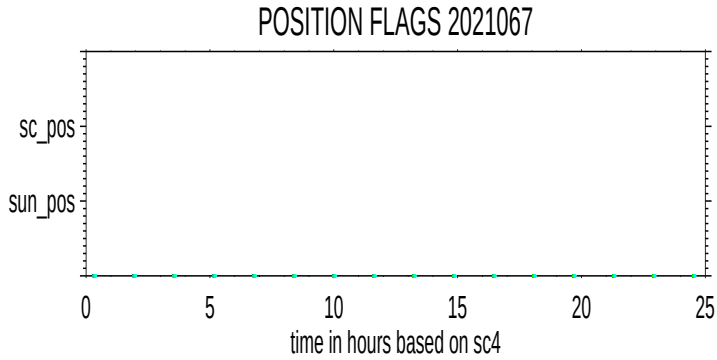

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

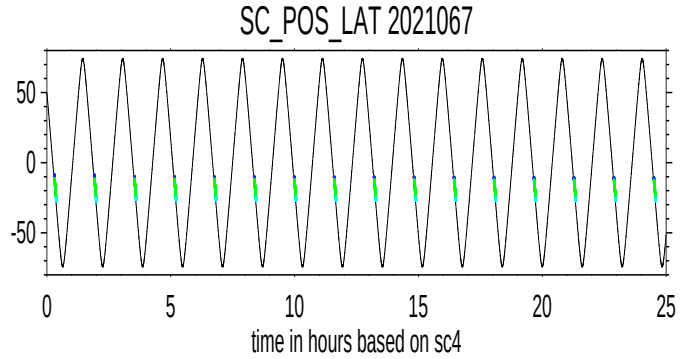

SAA_FLAG 2021067
40
0
0
5
10
15
20
25
time in hours based on sc4

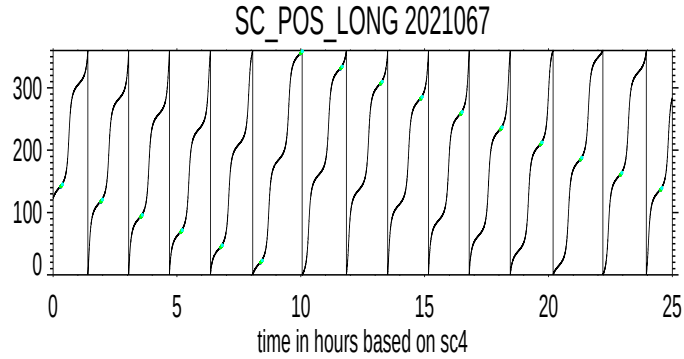

SUN_POS_X 2021067
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

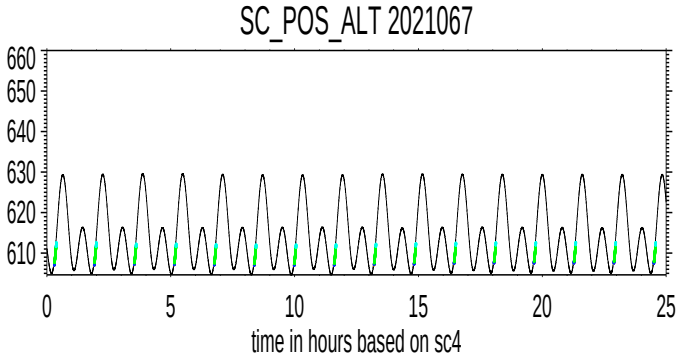

SUN_POS_Y 2021067
-0.59
-0.60
-0.61
-0.62
-0.63
-0.64
0
5
10
15
20
25
time in hours based on sc4

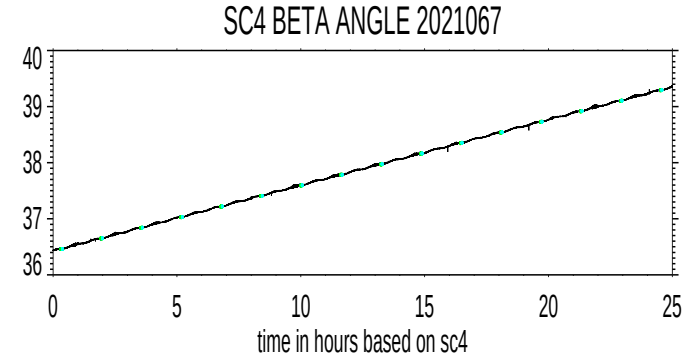

SUN_POS_Z 2021067
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2021067
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2021067
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2021067
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2021067
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2021067
40
39
38
37
36
0
5
10
15
20
25
time in hours based on sc4