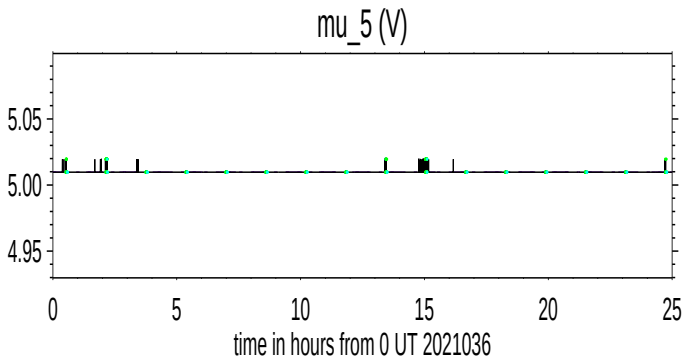
```
Information for      2021036
18:23:21.002: see_stat[1]: 1 internal error
```

/export/timed/data/science_dp/tlm_limit/outoflimit_2021036_012.txt
Sun Mar 07 06:15:34 2021 1

RH OutOfLimit 1296518429 1296608415 hk.mu_cmd_pkt_reject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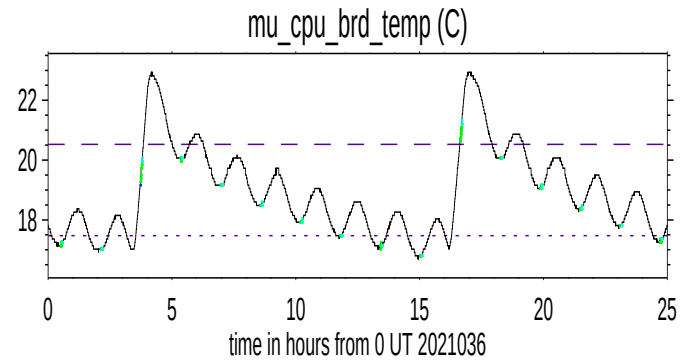
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2021036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18
0
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10
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20
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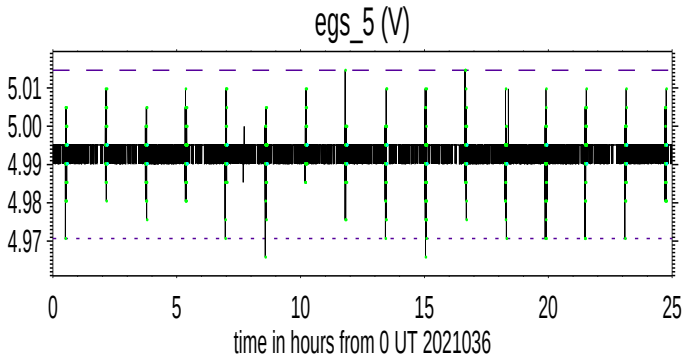
time in hours from 0 UT 2021036


egs_5 (V)
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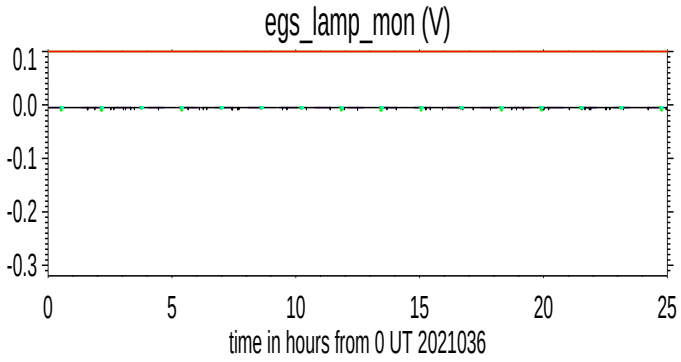
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_lamp_mon (V)
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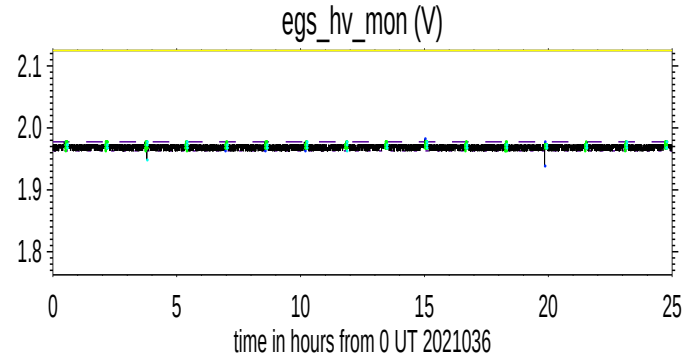
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2021036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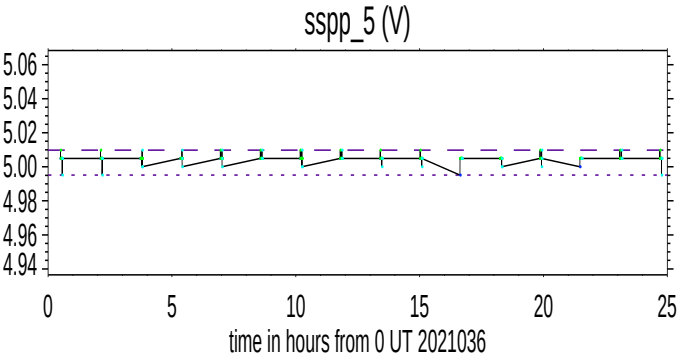
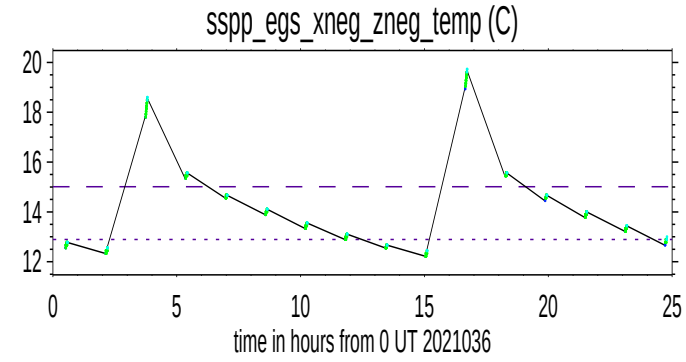
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2021036


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 2021036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18
16
14
12
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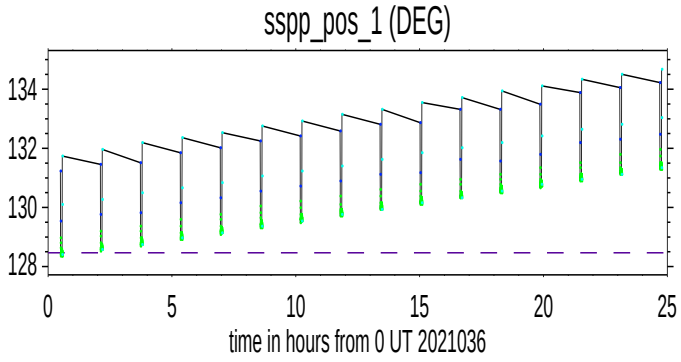
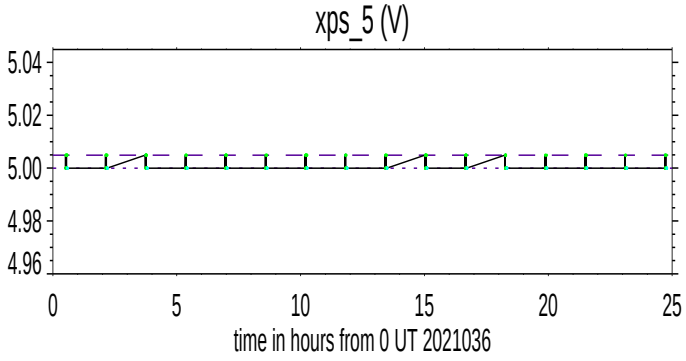
10
15
20
25
time in hours from 0 UT 2021036


sspp_pos_1 (DEG)
134
132
130
128
0
5
10
15
20
25
time in hours from 0 UT 2021036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5.04
5.02
5.00
4.98
4.96
0
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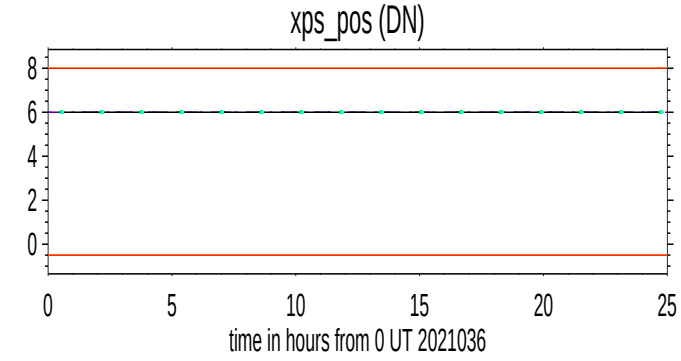
10
15
20
25
time in hours from 0 UT 2021036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6
4
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0
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10
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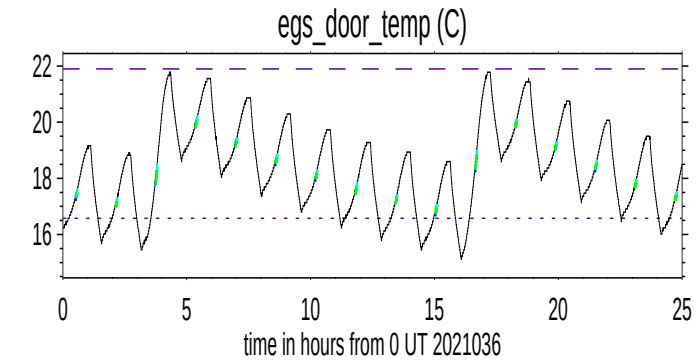
time in hours from 0 UT 2021036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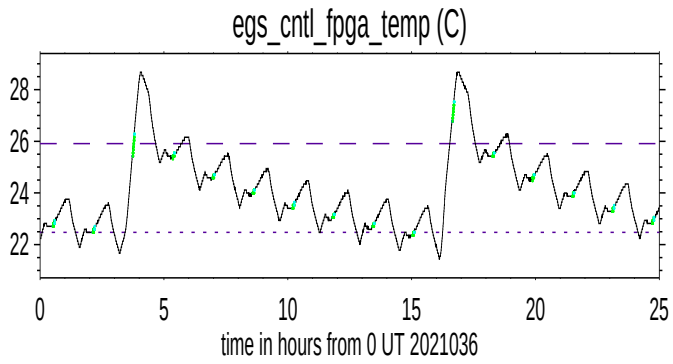
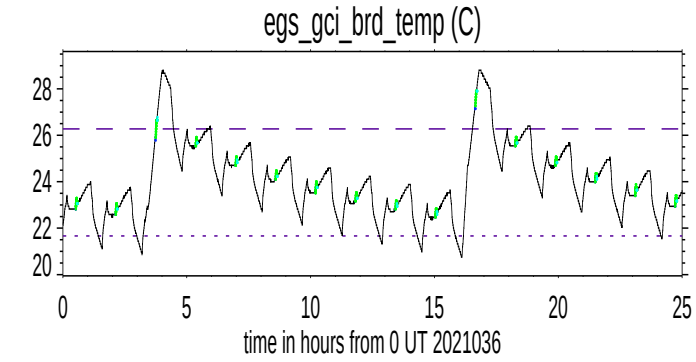
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_cntl_fpga_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021036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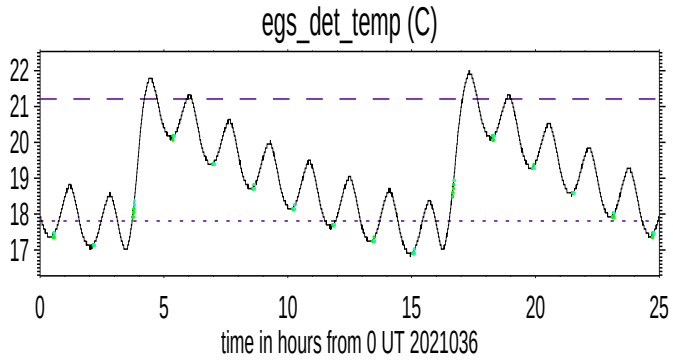
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021036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21
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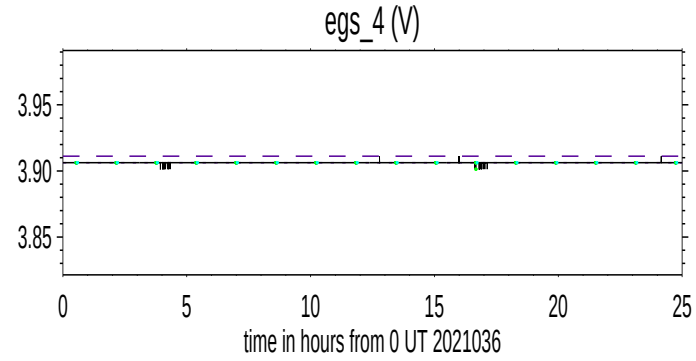
19
18
17
0
5
10
15
20
25
time in hours from 0 UT 2021036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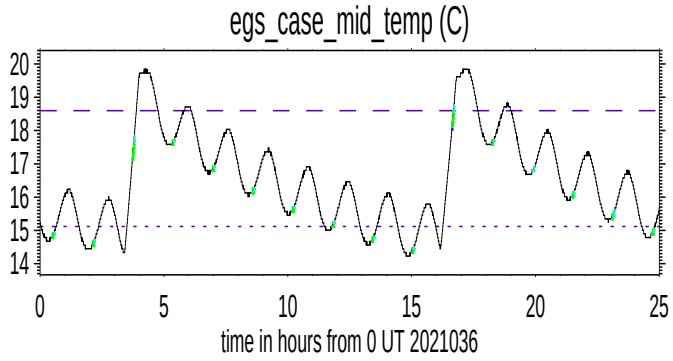
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021036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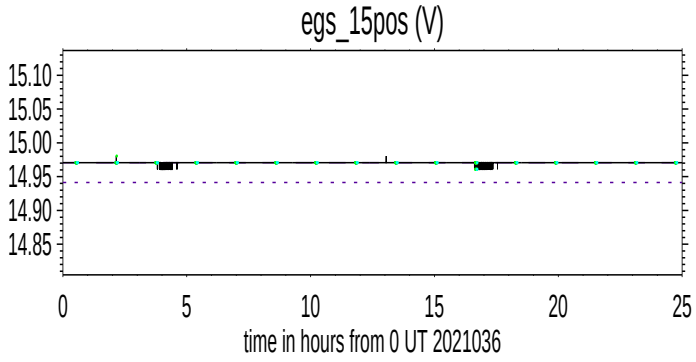
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_15pos (V)
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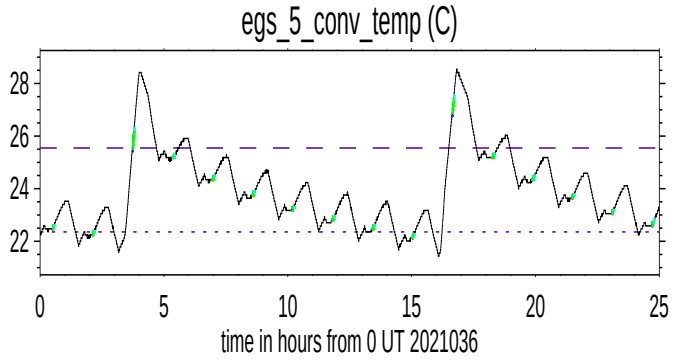
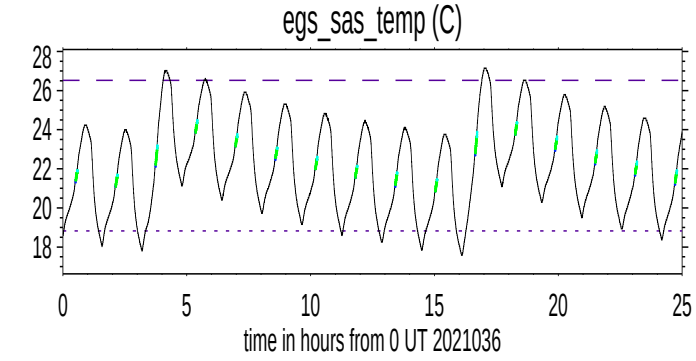
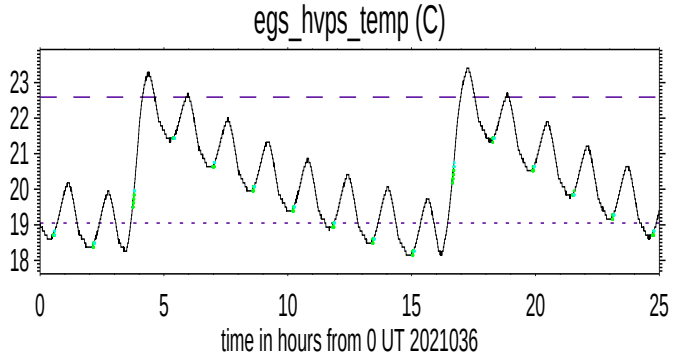
15.05
15.00
14.95
14.90
14.85
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_sas_temp (C)
28
26
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036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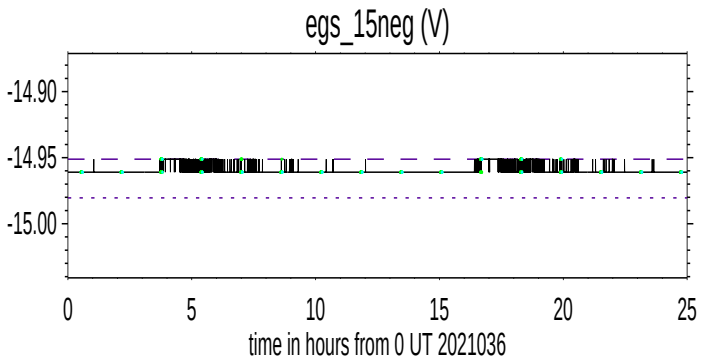
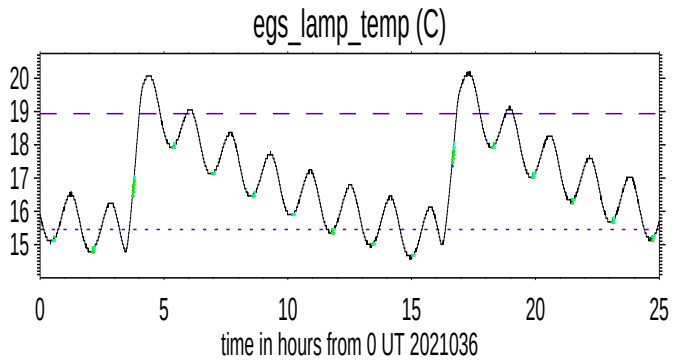
22
21
20
19
18
0
5
10
15
20
25
time in hours from 0 UT 2021036


egs_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2021036


egs_lamp_temp (C)
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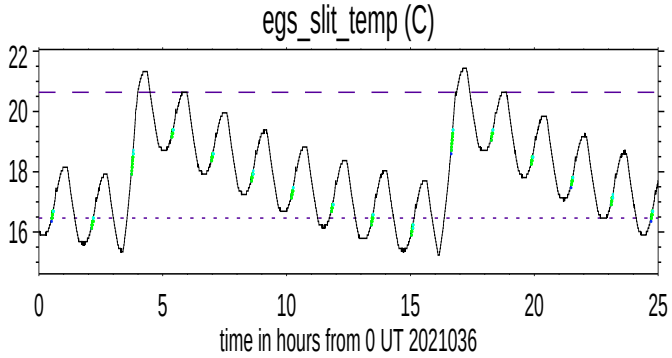
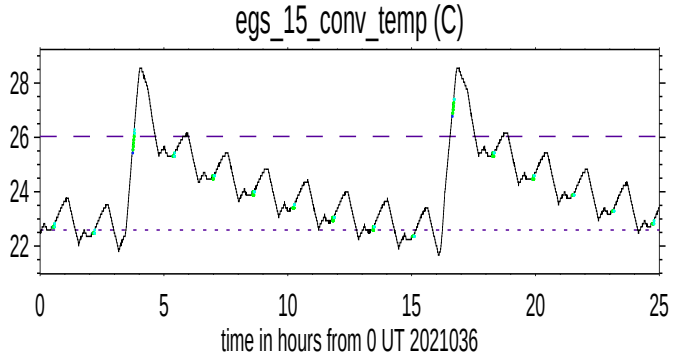
0 5 10 15 20 25
time in hours from 0 UT 2021036


egs_slit_temp (C)
22 20 18 16
0 5 10 15 20 25
time in hours from 0 UT 2021036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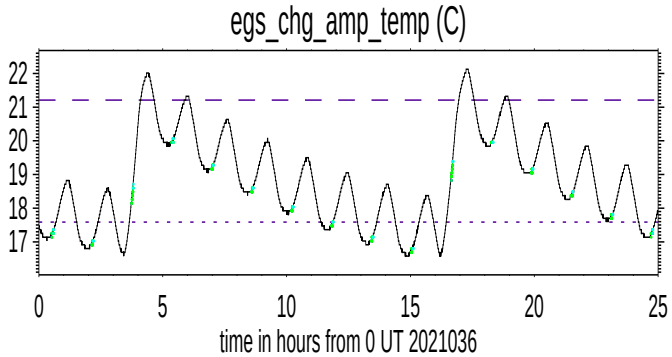
time in hours from 0 UT 2021036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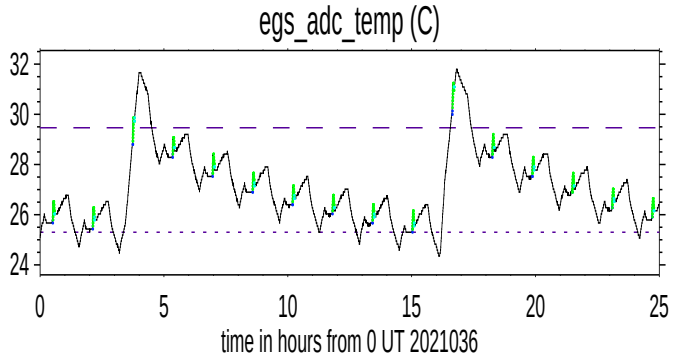
0 5 10 15 20 25
time in hours from 0 UT 2021036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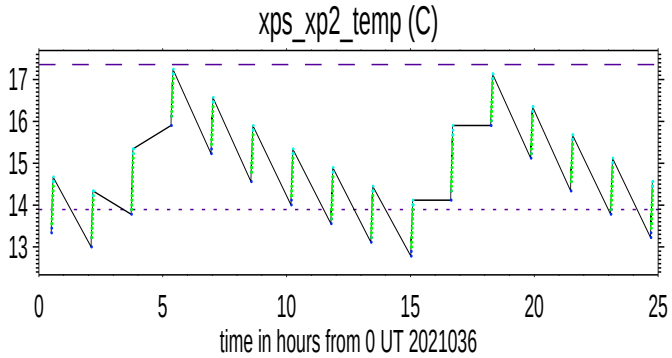
time in hours from 0 UT 2021036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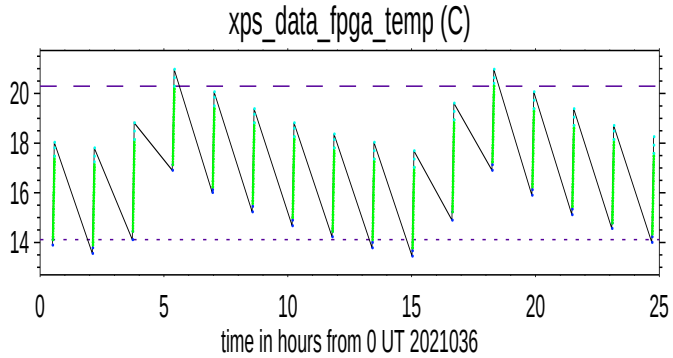
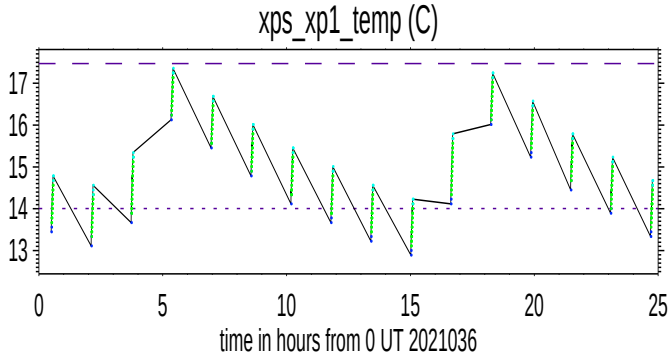
0 5 10 15 20 25
time in hours from 0 UT 2021036


xps_data_fpga_temp (C)
20 18 16 14
0 5 10 15 20 25
time in hours from 0 UT 2021036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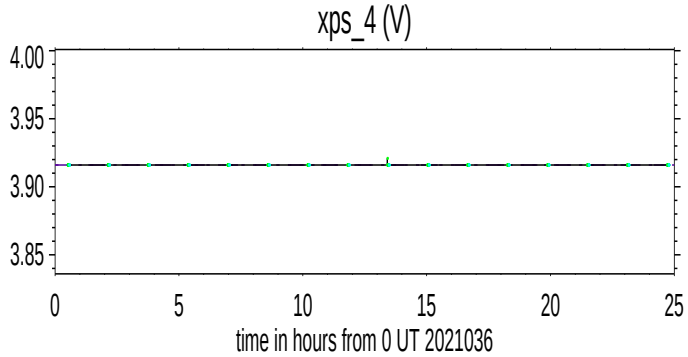
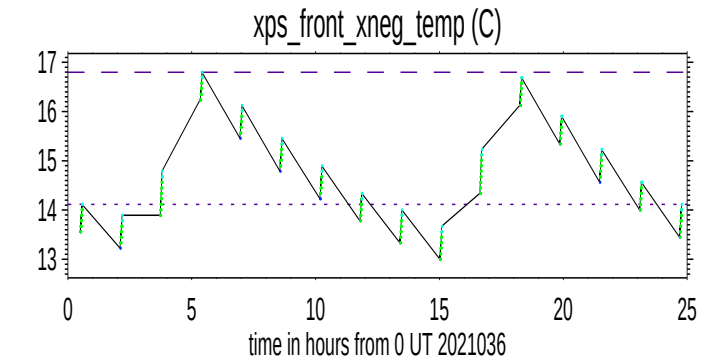
17 16 15 14 13
0 5 10 15 20 25
time in hours from 0 UT 2021036


xps_4 (V)
4.00 3.95 3.90 3.85
0 5 10 15 20 25
time in hours from 0 UT 2021036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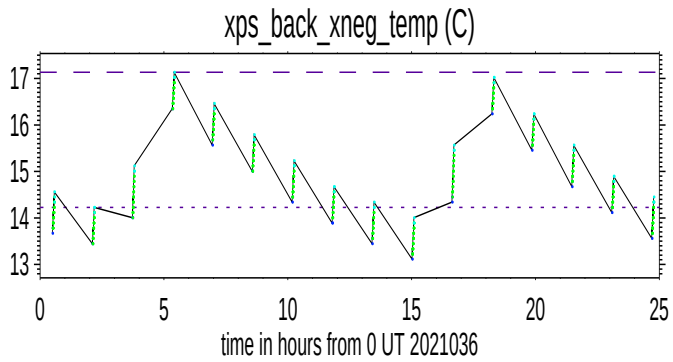
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2021036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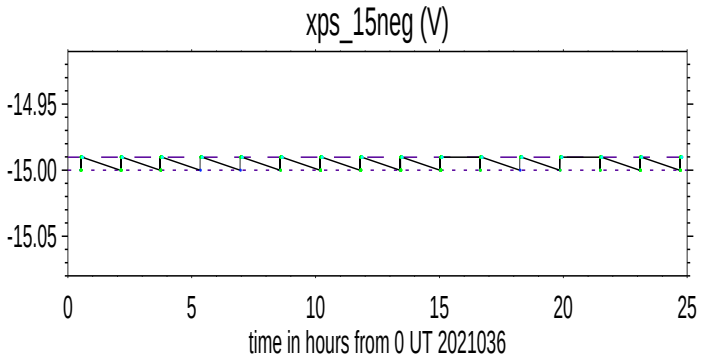
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2021036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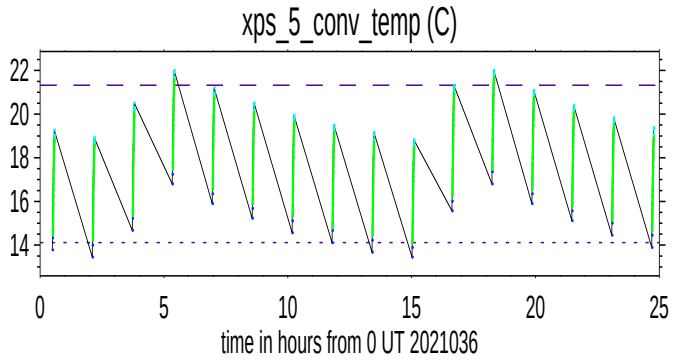
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2021036


xps_5_conv_temp (C)
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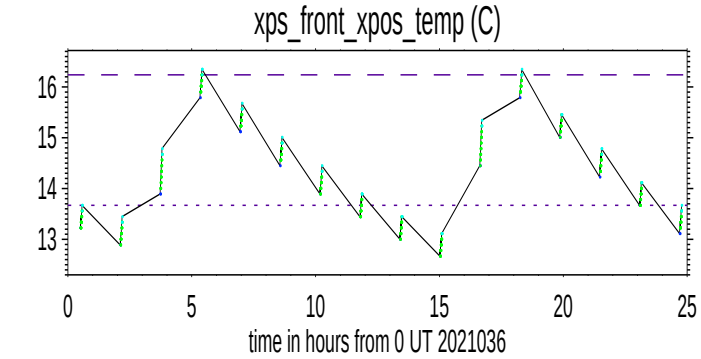
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036


xps_front_xpos_temp (C)
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15
14
13
0
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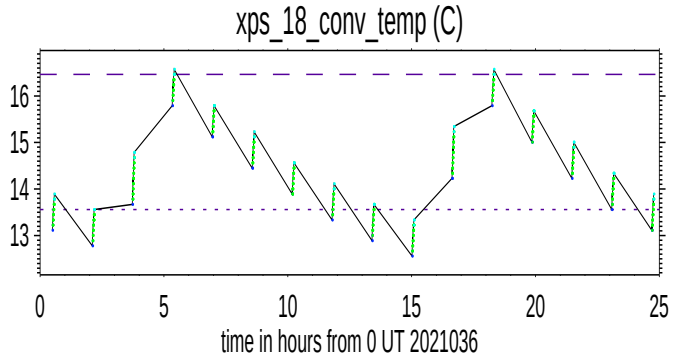
10
15
20
25
time in hours from 0 UT 2021036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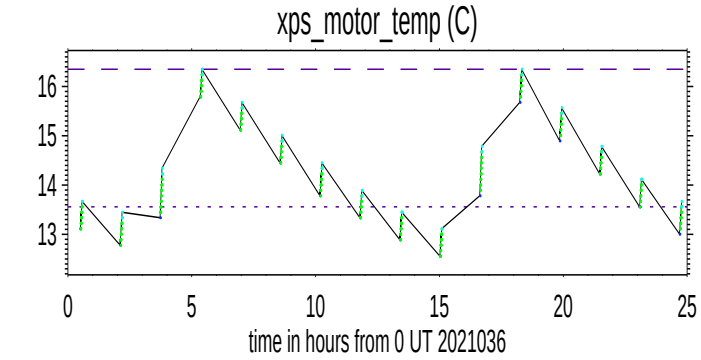
25
time in hours from 0 UT 2021036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5
10
15
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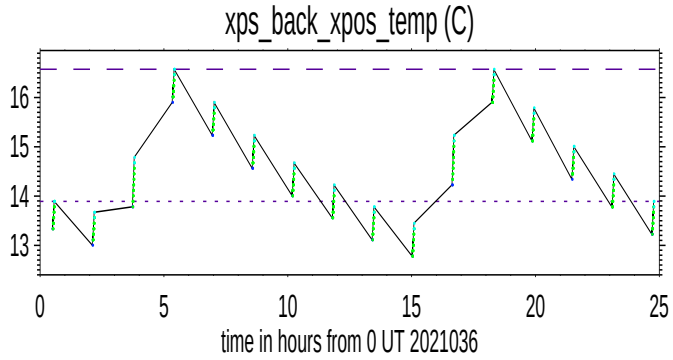
25
time in hours from 0 UT 2021036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10
15
20
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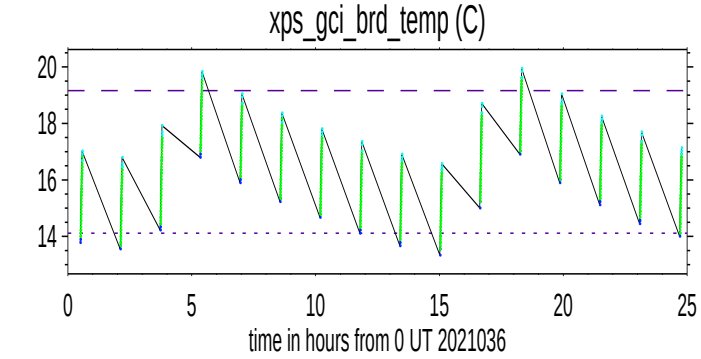
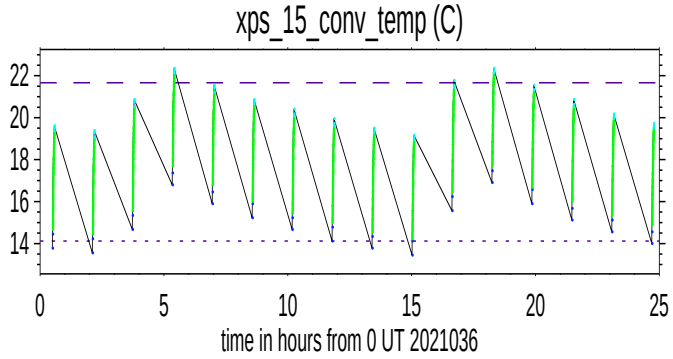
time in hours from 0 UT 2021036


xps_gci_brd_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036


xps_15_conv_temp (C)
22
20
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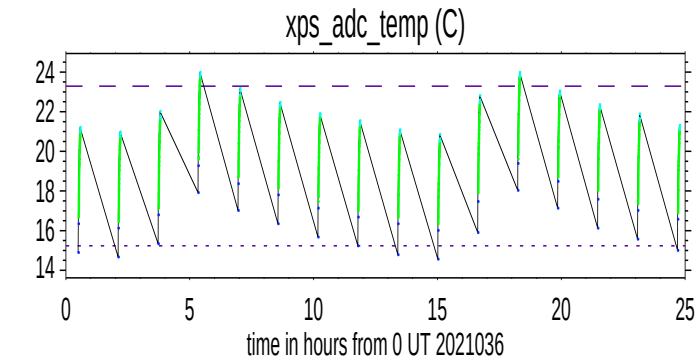
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036


xps_adc_temp (C)
24
22
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14
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5
10
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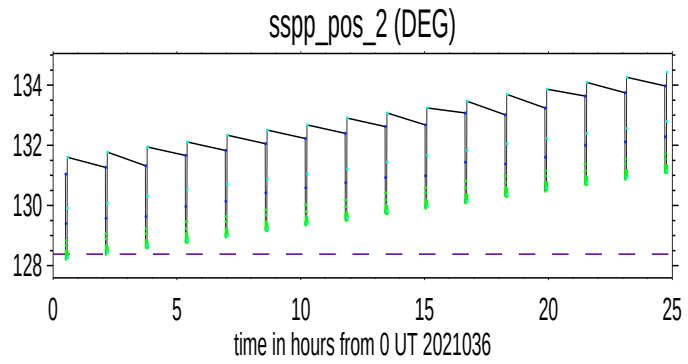
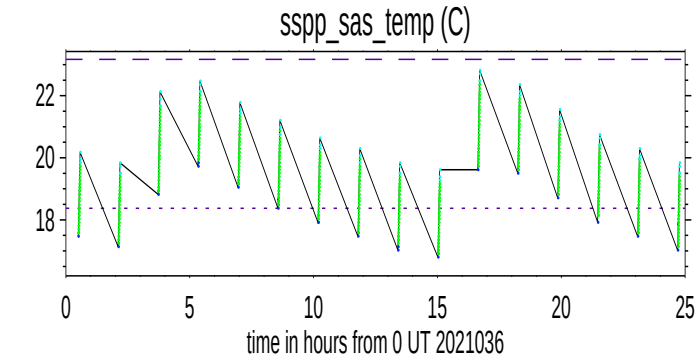
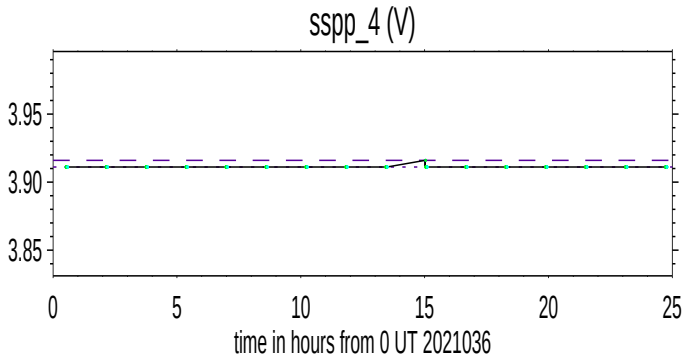
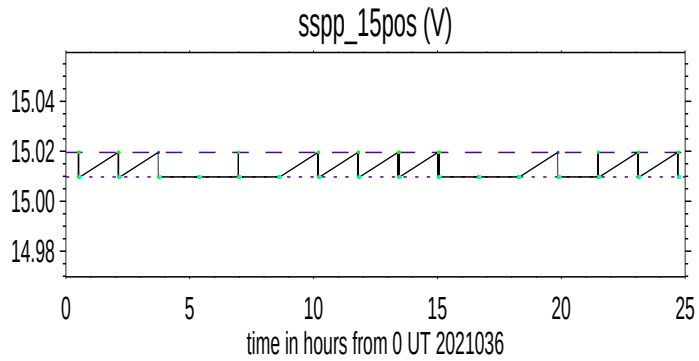
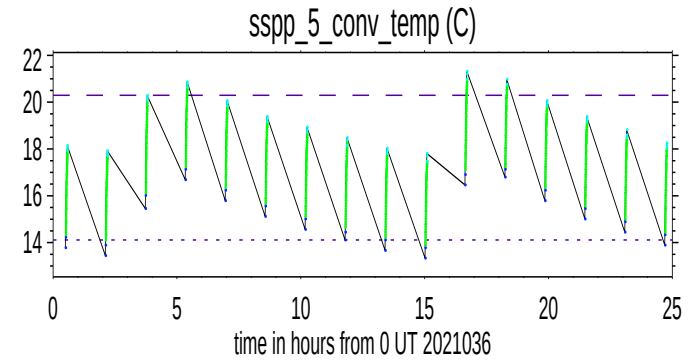
20
25
time in hours from 0 UT 2021036

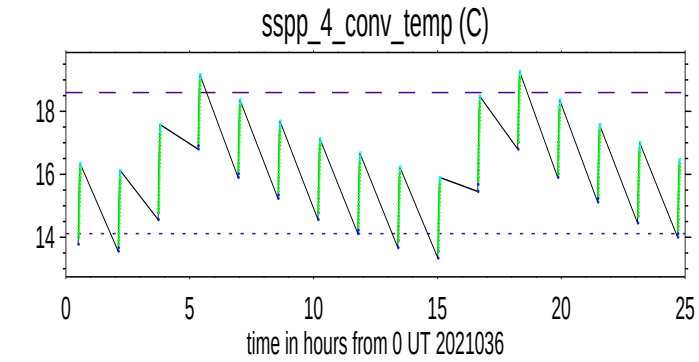

sspp_pos_2 (DEG)
134
132
130
128
0
5
10
15
20
25
time in hours from 0 UT 2021036

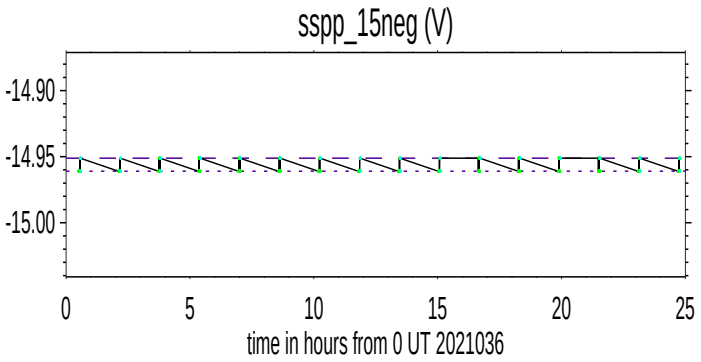

sspp_sas_temp (C)
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

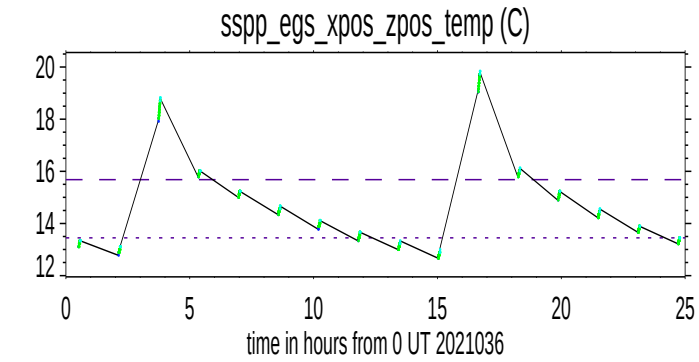

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021036

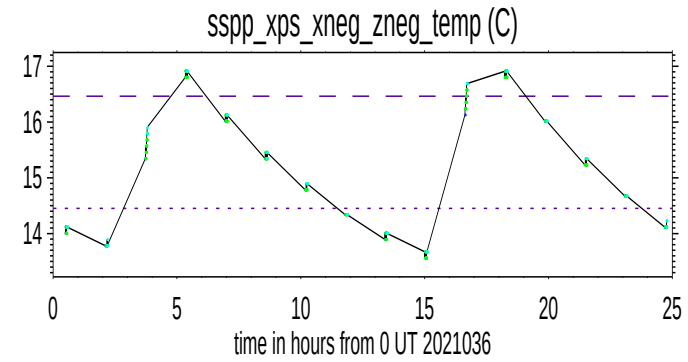

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2021036

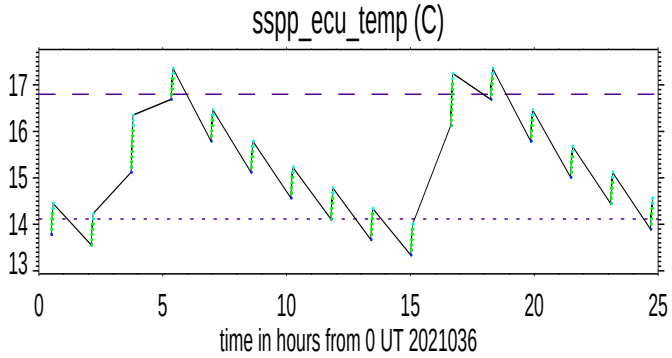

sspp_5_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

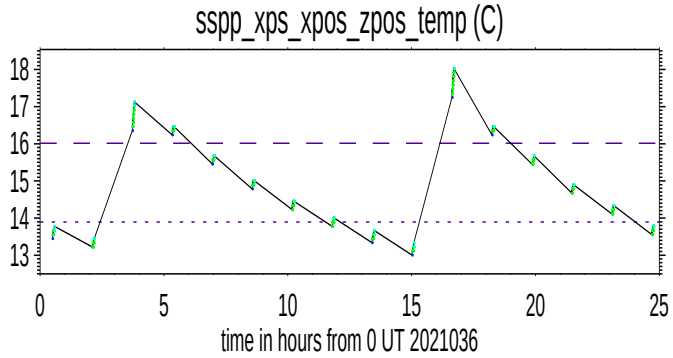

sspp_4_conv_temp (C)
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

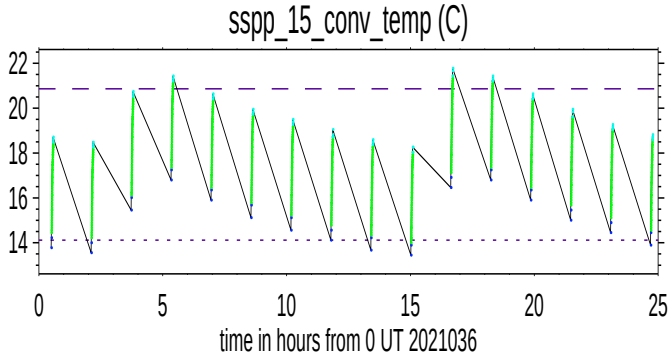

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2021036

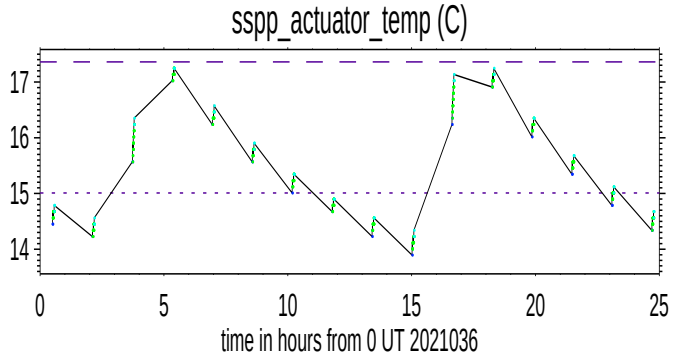

sspp_egs_xpos_zpos_temp (C)
20
18
16
14
12
0
5
10
15
20
25
time in hours from 0 UT 2021036

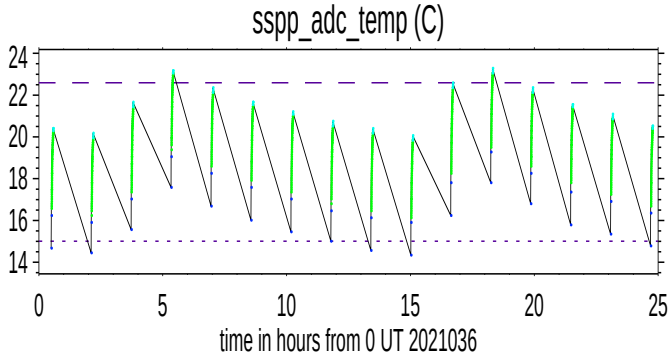

sspp_xps_xneg_zneg_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

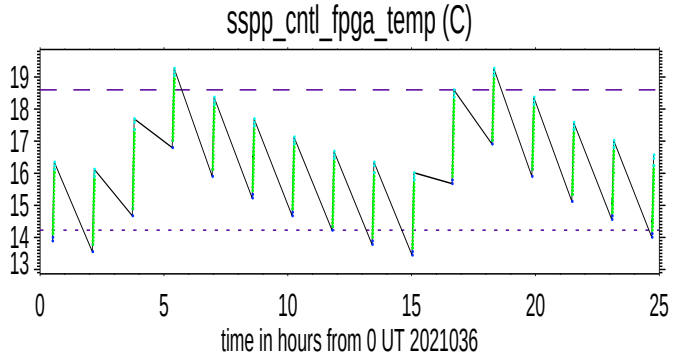

sspp_ecu_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2021036

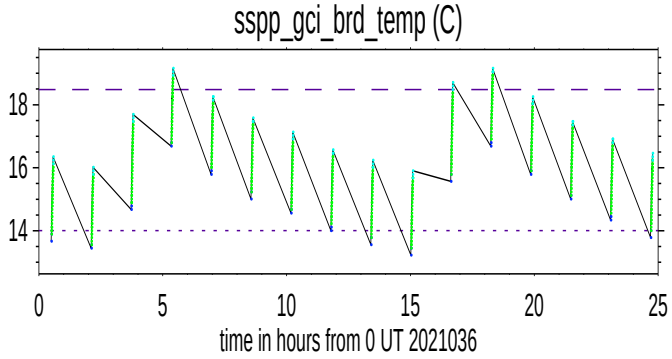

sspp_xps_xpos_zpos_temp (C)
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2021036

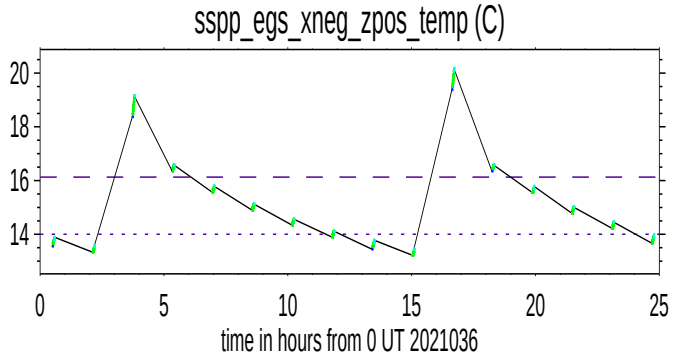

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

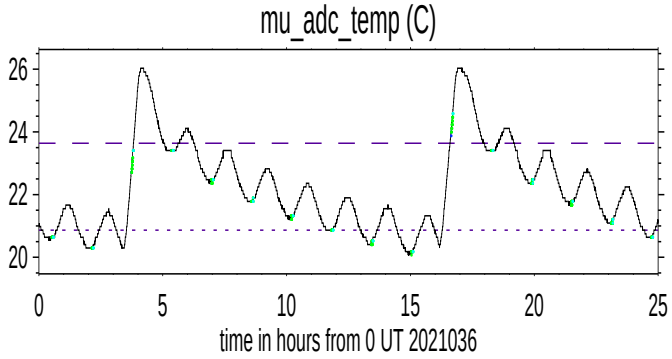

sspp_actuator_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

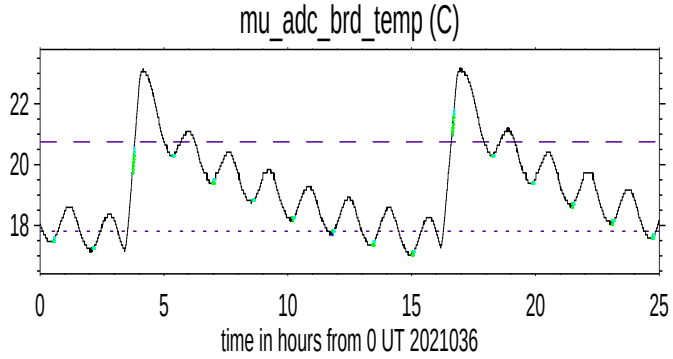

sspp_adc_temp (C)
24
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

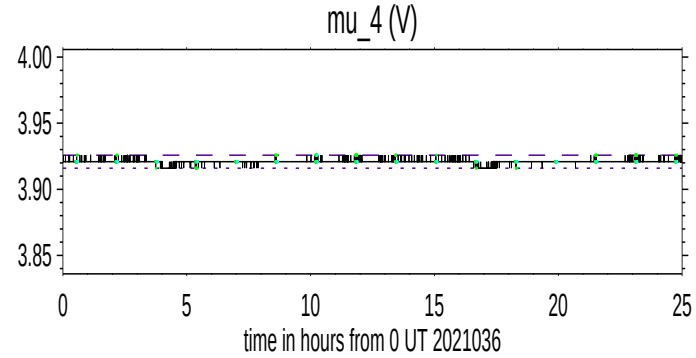

sspp_cntl_fpga_temp (C)
19
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2021036

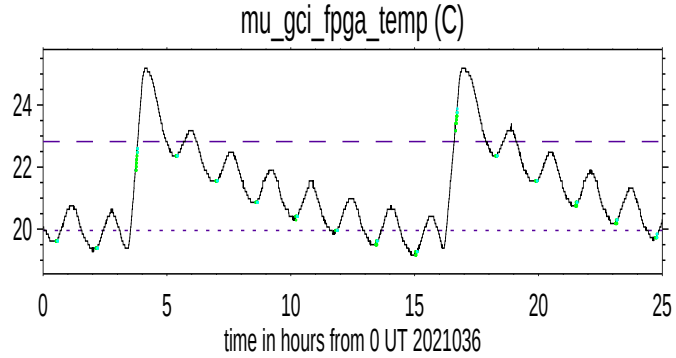

sspp_gci_brd_temp (C)
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

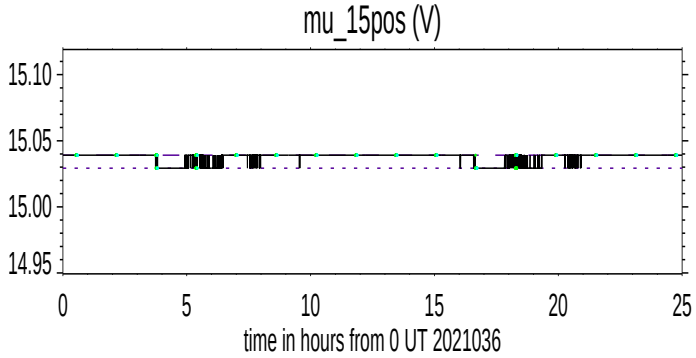

sspp_egs_xneg_zpos_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2021036

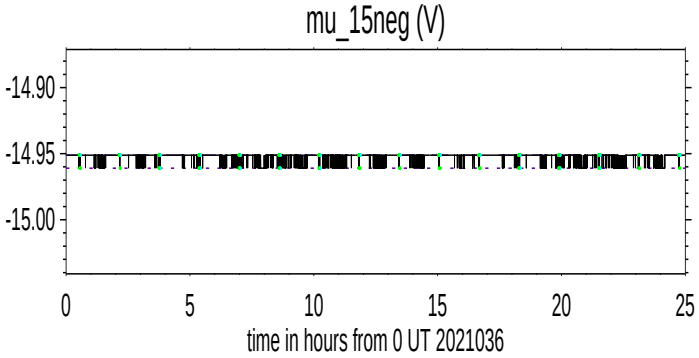

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021036

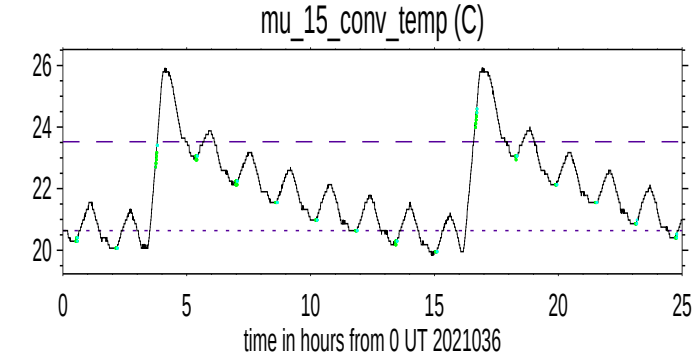

mu_adc_brd_temp (C)
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

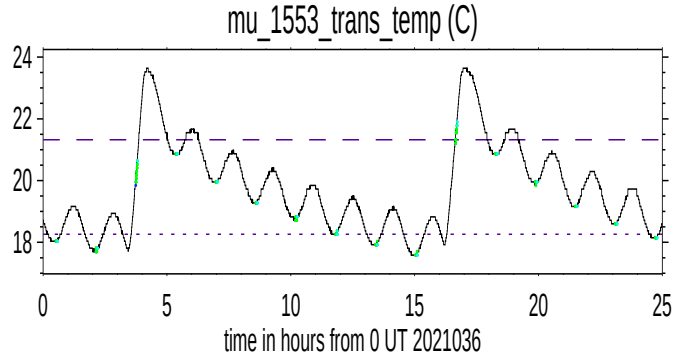

mu_4 (V)
4.00
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021036

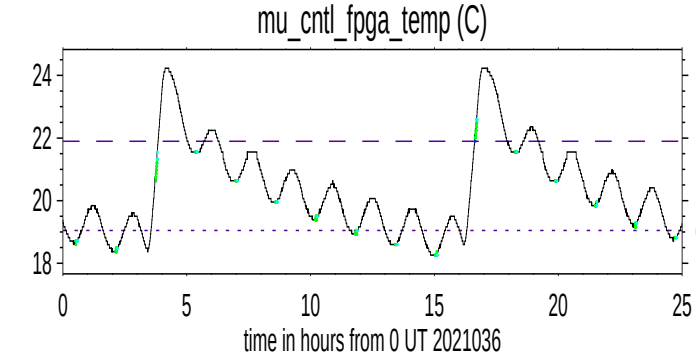

mu_gci_fpga_temp (C)
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021036

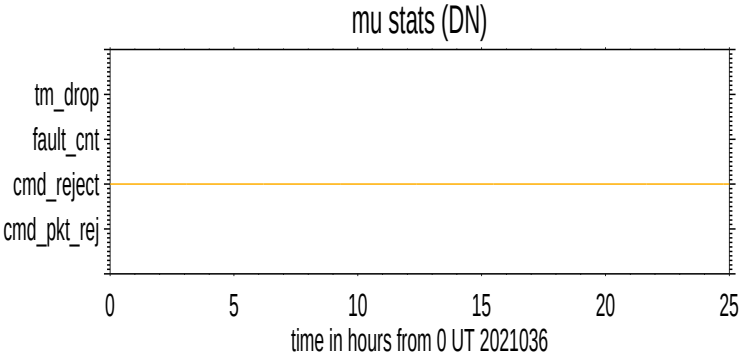

mu_15pos (V)
15.10
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2021036

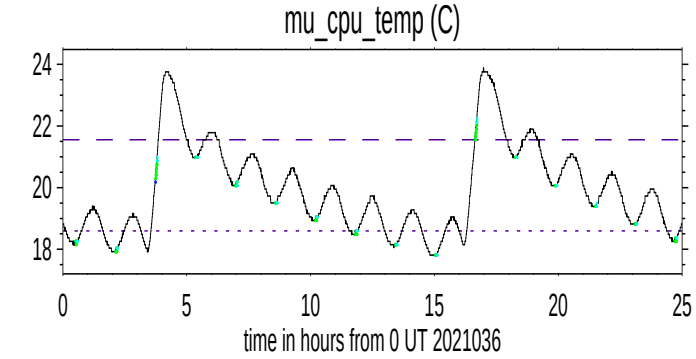

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2021036

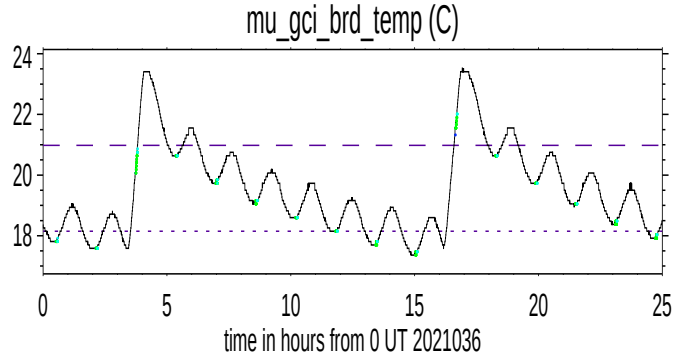

mu_15_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2021036

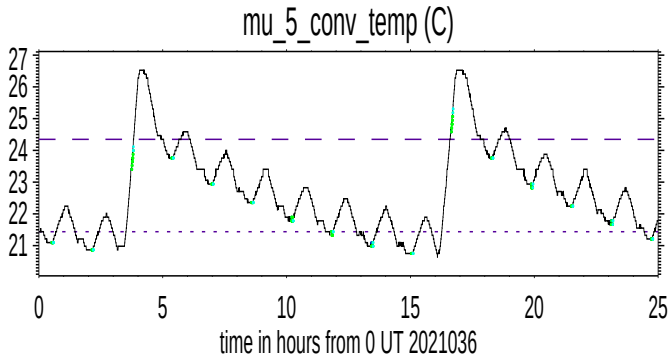

mu_1553_trans_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

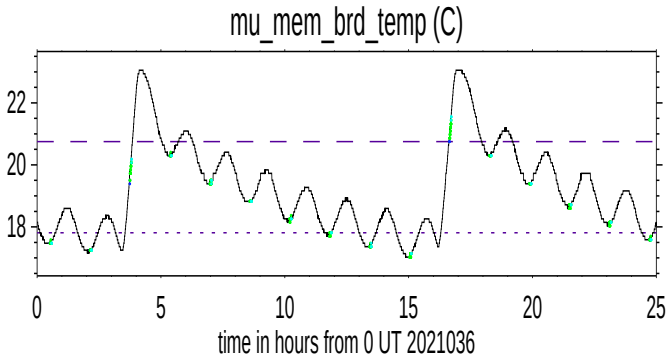

mu_cntl_fpga_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

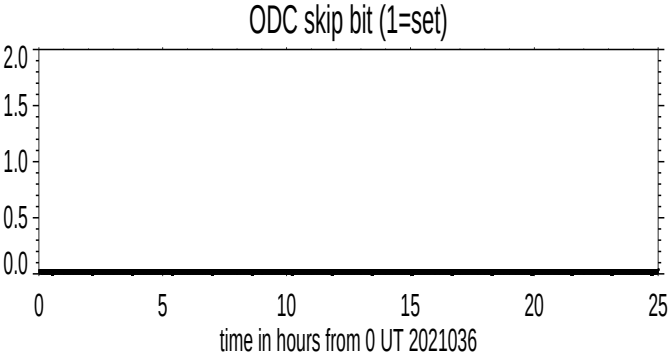

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2021036

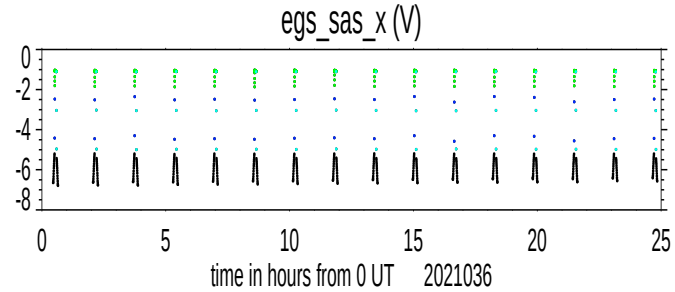

mu_cpu_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

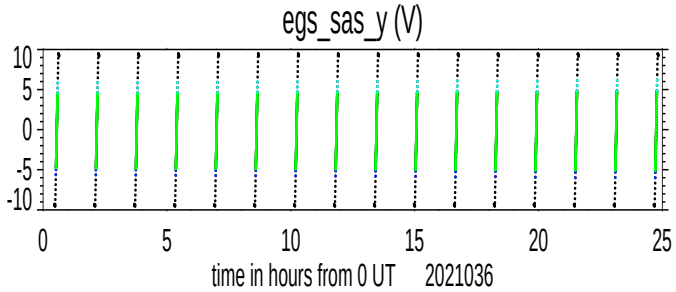

mu_gci_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

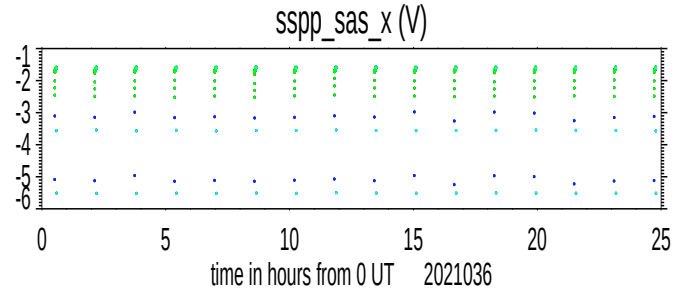

mu_5_conv_temp (C)
27
26
25
24
23
22
21
0
5
10
15
20
25
time in hours from 0 UT 2021036

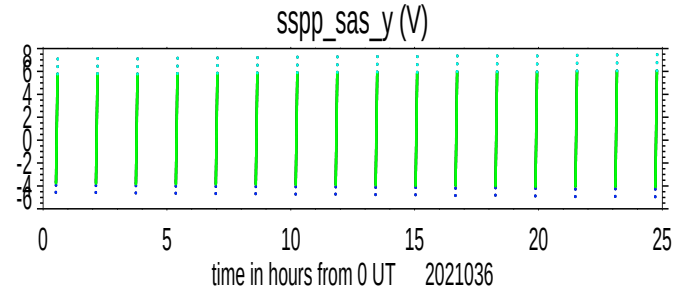

mu_mem_brd_temp (C)
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2021036

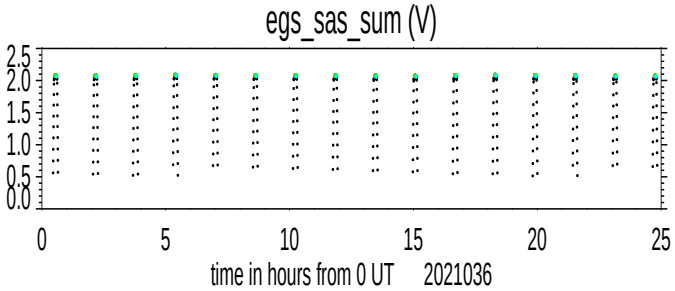

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2021036

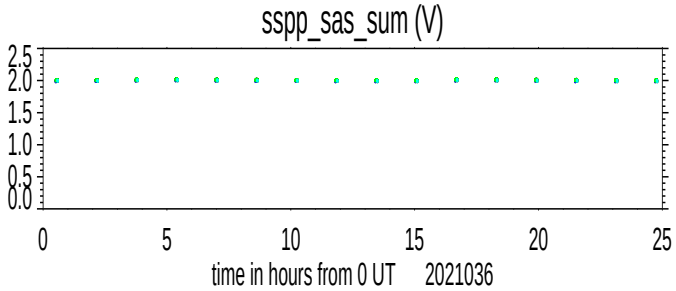

egs_sas_x (V)
time in hours from 0 UT 2021036

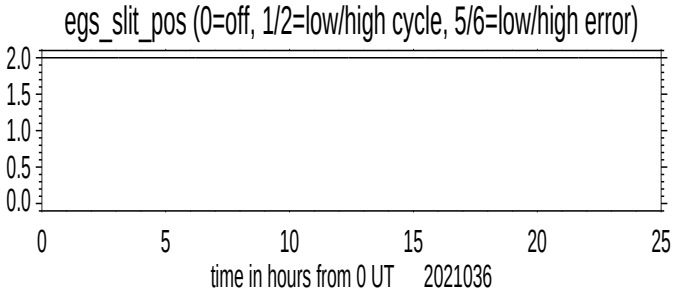

egs_sas_y (V)
time in hours from 0 UT 2021036

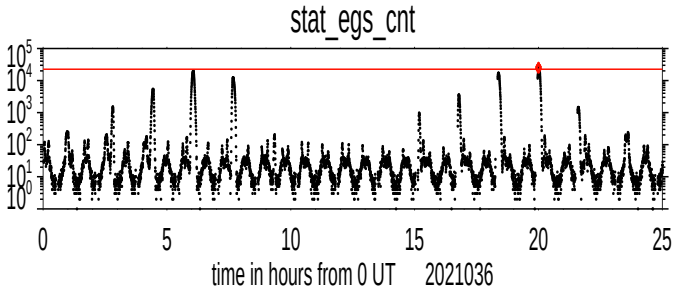

sspp_sas_x (V)
time in hours from 0 UT 2021036

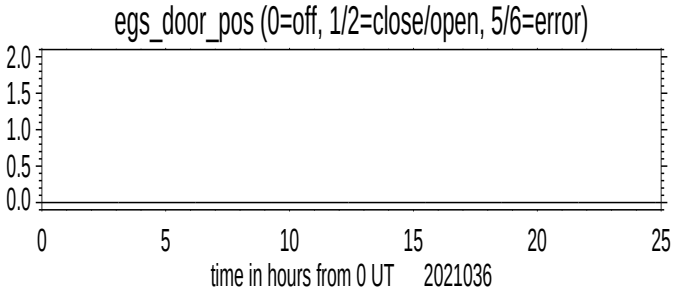

sspp_sas_y (V)
time in hours from 0 UT 2021036

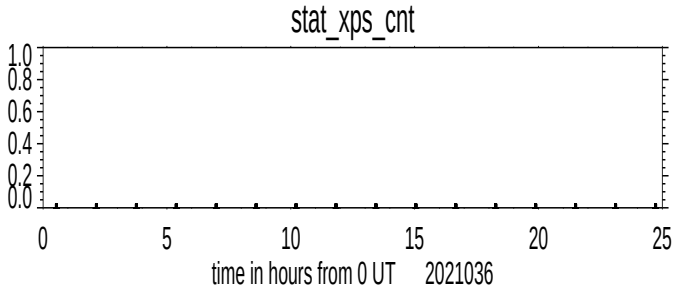

egs_sas_sum (V)
time in hours from 0 UT 2021036

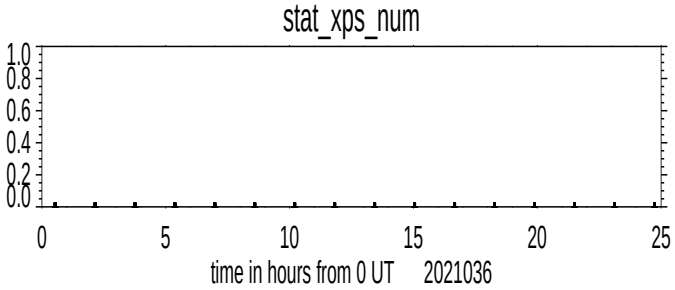

sspp_sas_sum (V)
time in hours from 0 UT 2021036

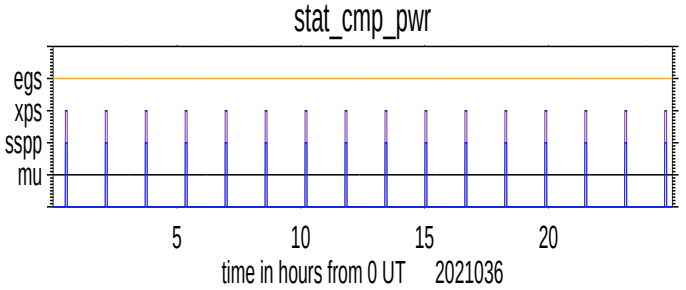

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2021036


stat_egs_cnt
time in hours from 0 UT 2021036

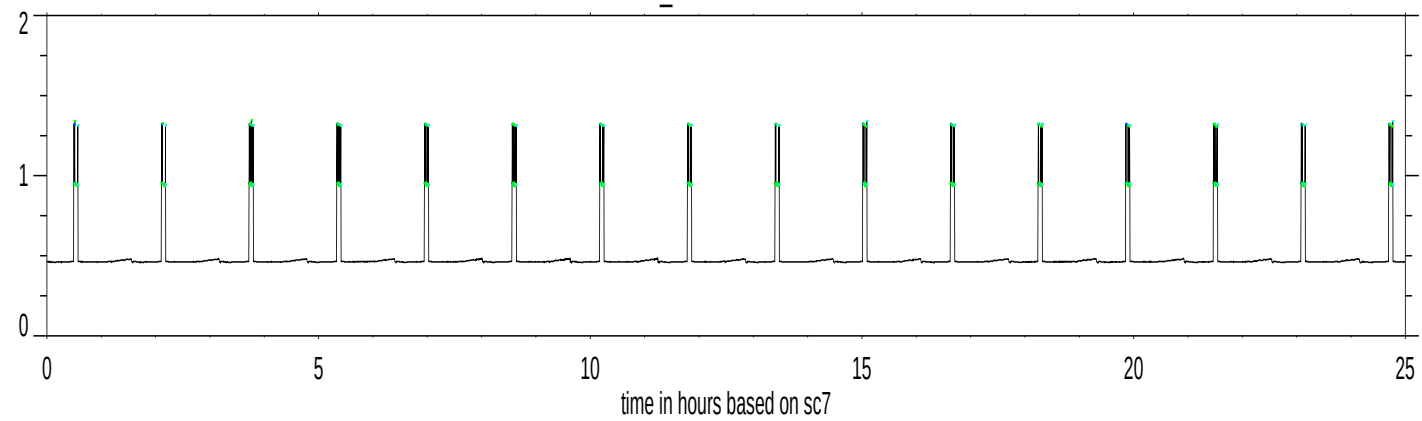

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2021036


stat_xps_cnt
time in hours from 0 UT 2021036

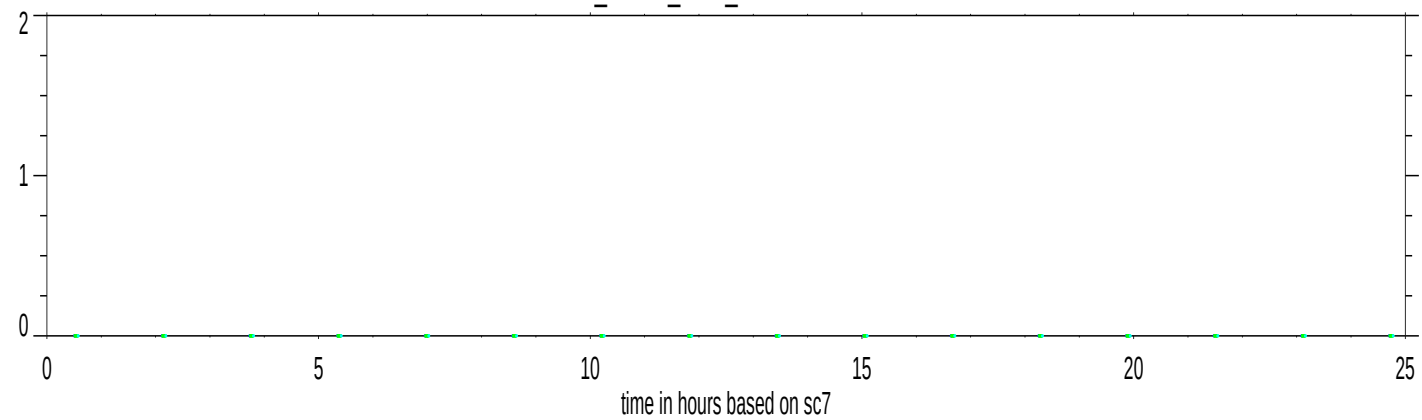

stat_xps_num
time in hours from 0 UT 2021036


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2021036

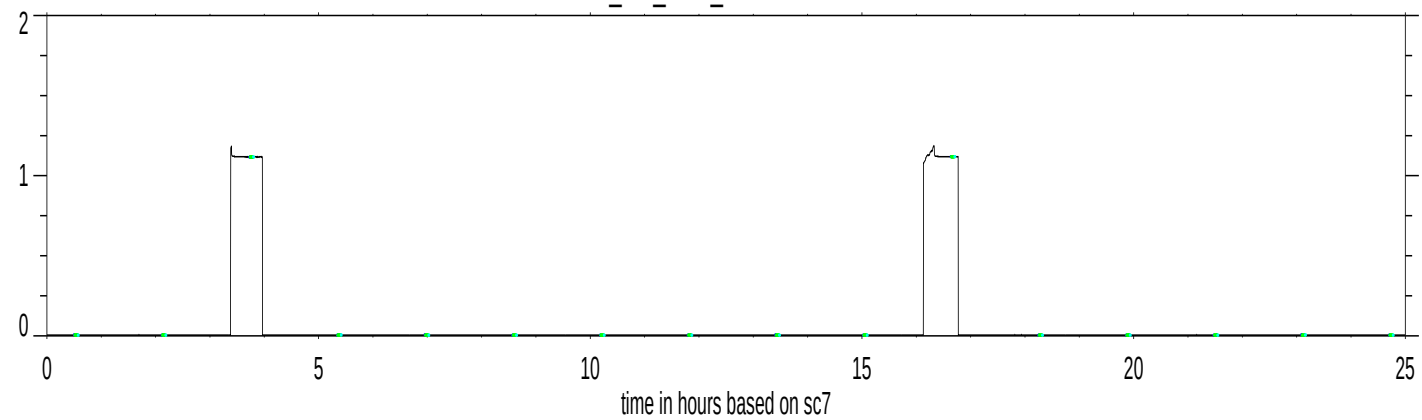
SEE_CUR 2021036



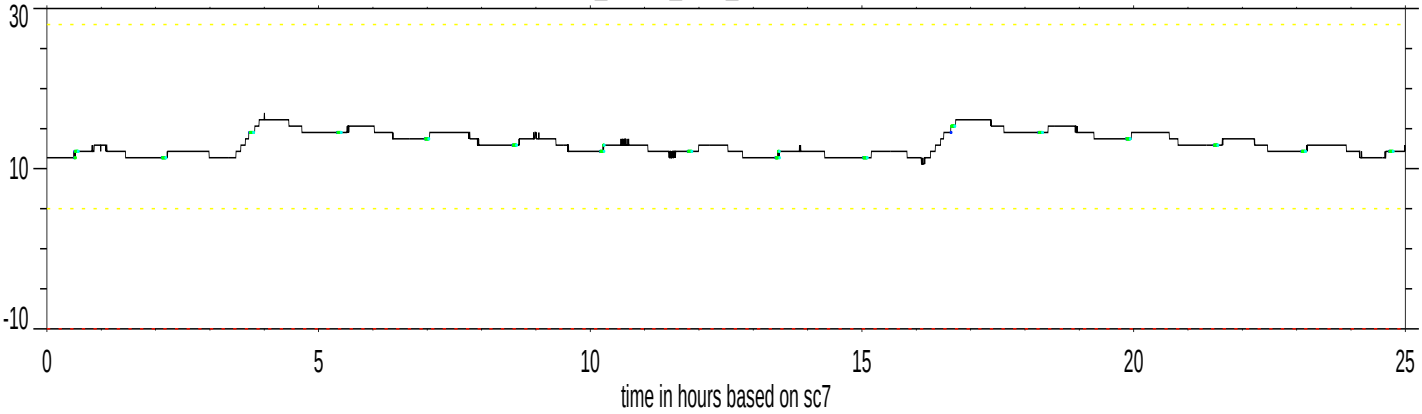
SEE_SURV_HTR_CUR 2021036



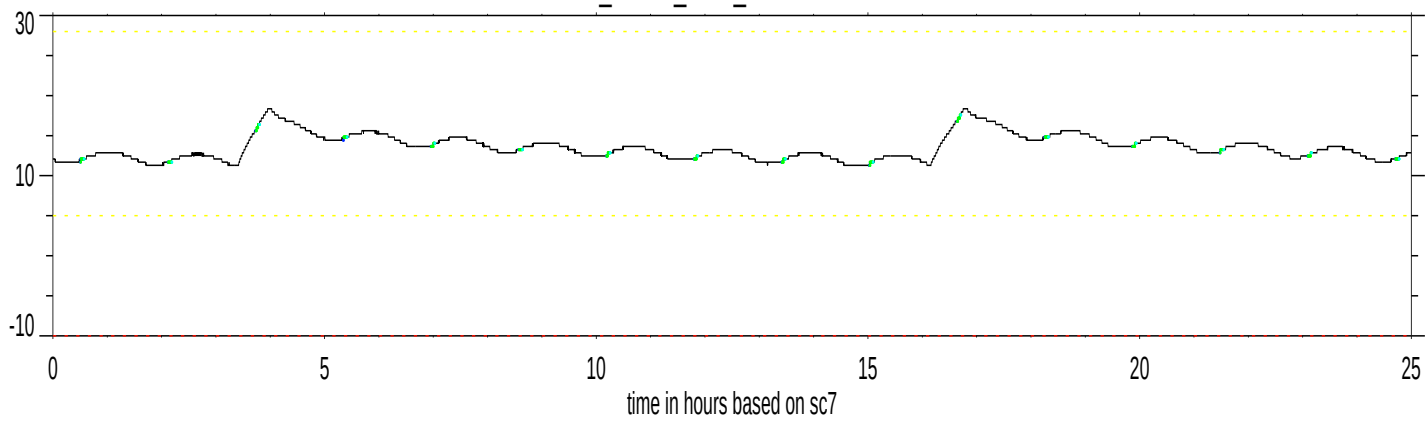
SEE_OP_HTR_CUR 2021036



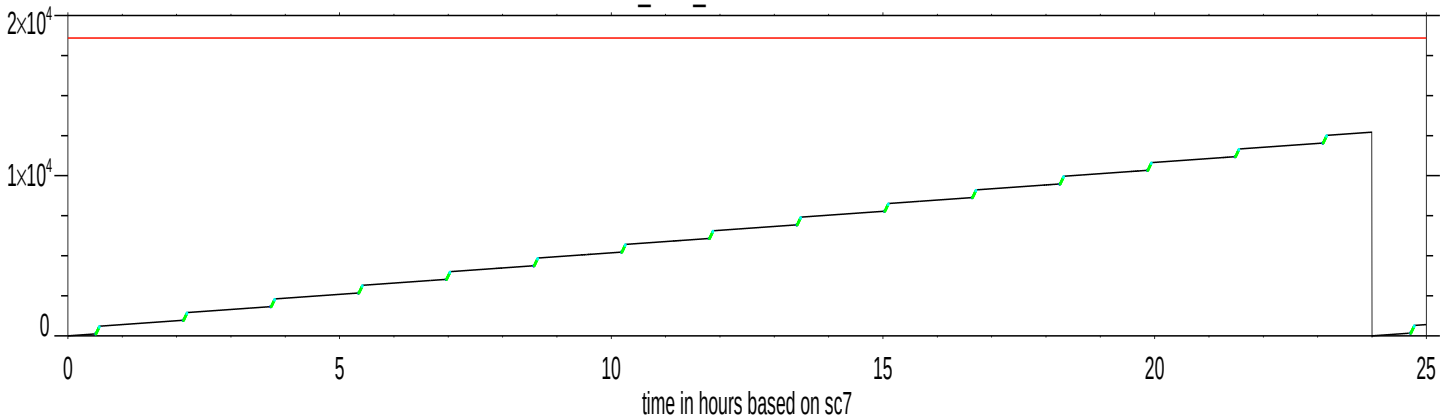
SSPP_BHND_XPS_TEMP 2021036



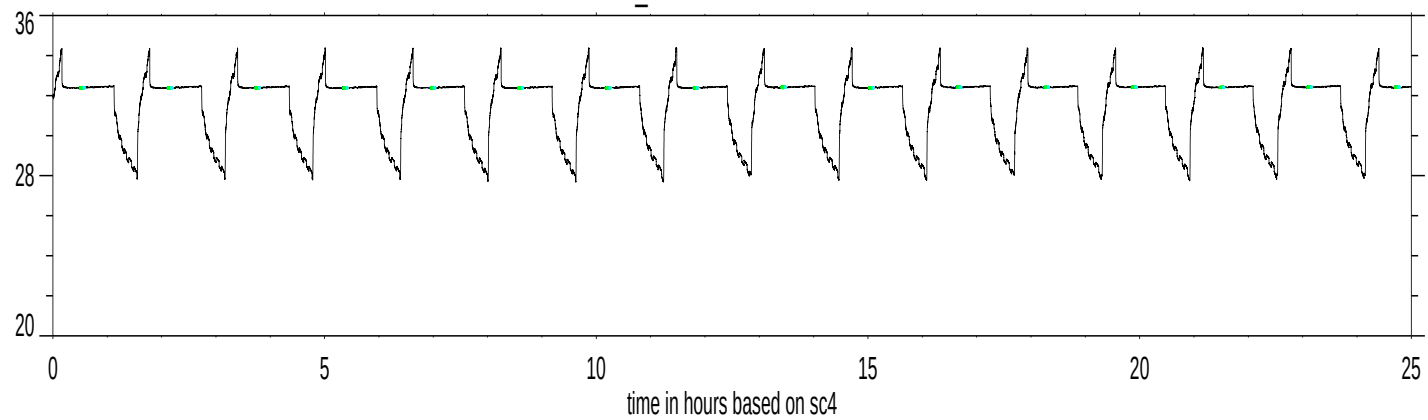
SSPP_BHND_MTR_TEMP 2021036



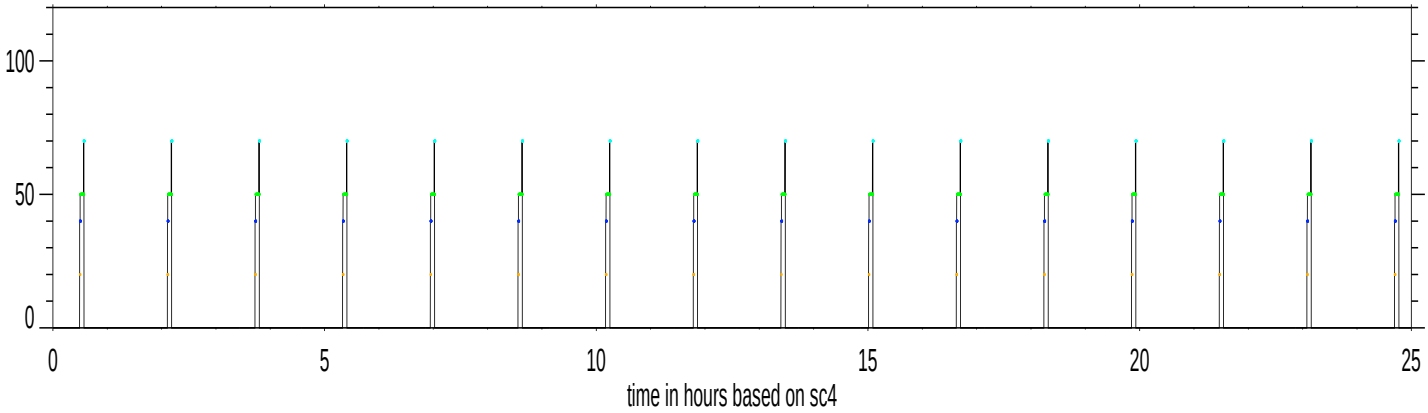
SEE_PKT_COUNT 2021036

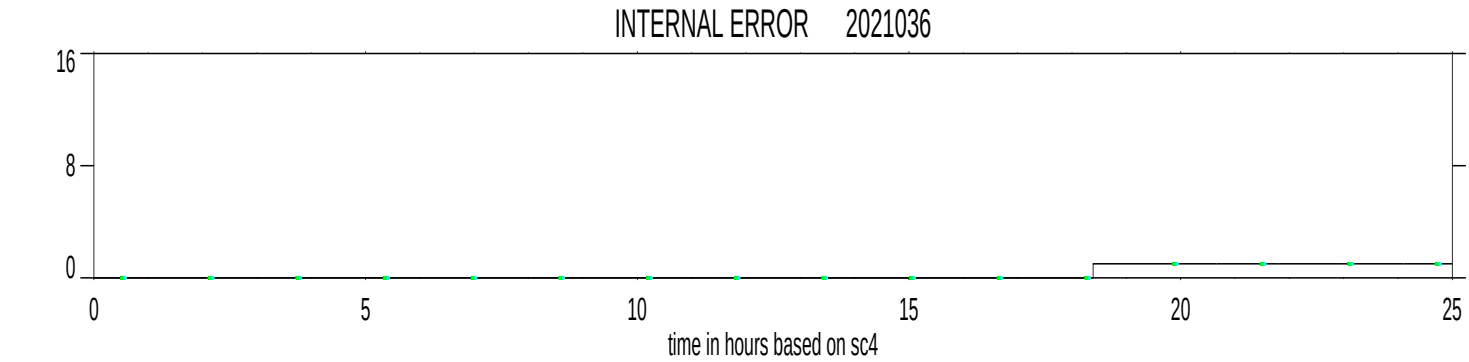


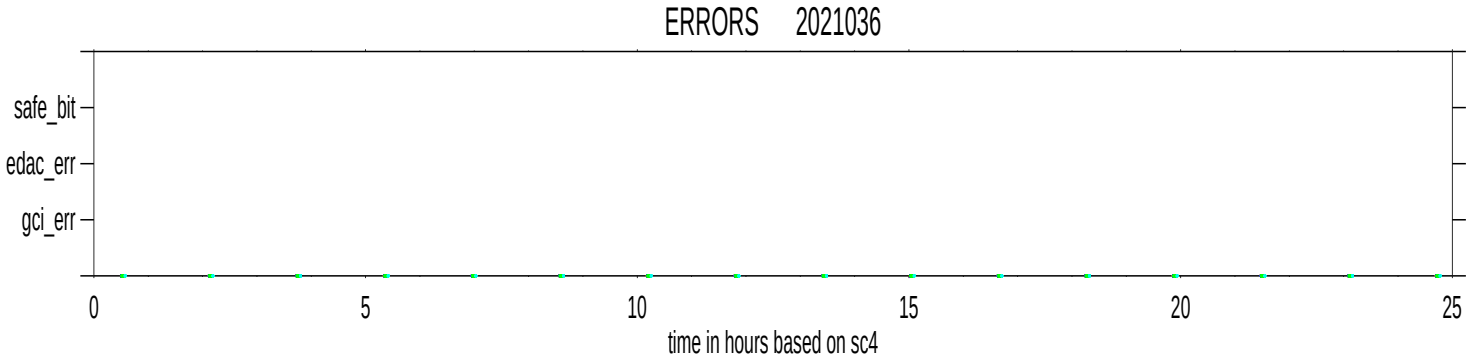
BUS_VOLTAGE 2021036

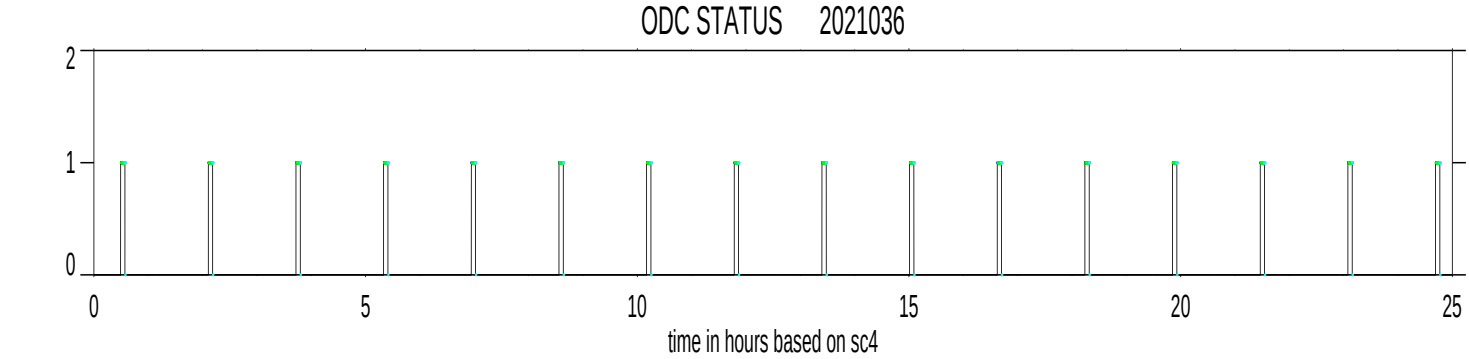


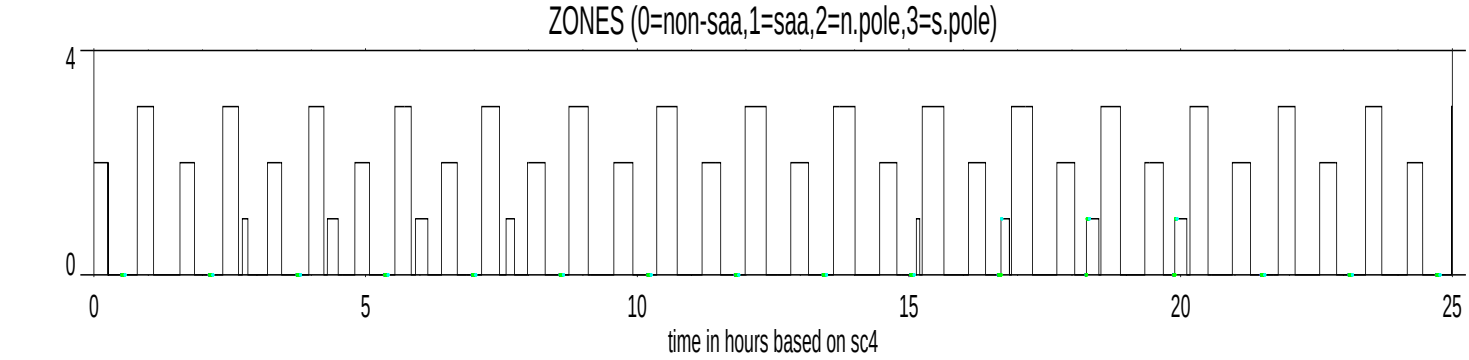
SEE_MU Operational Mode 2021036

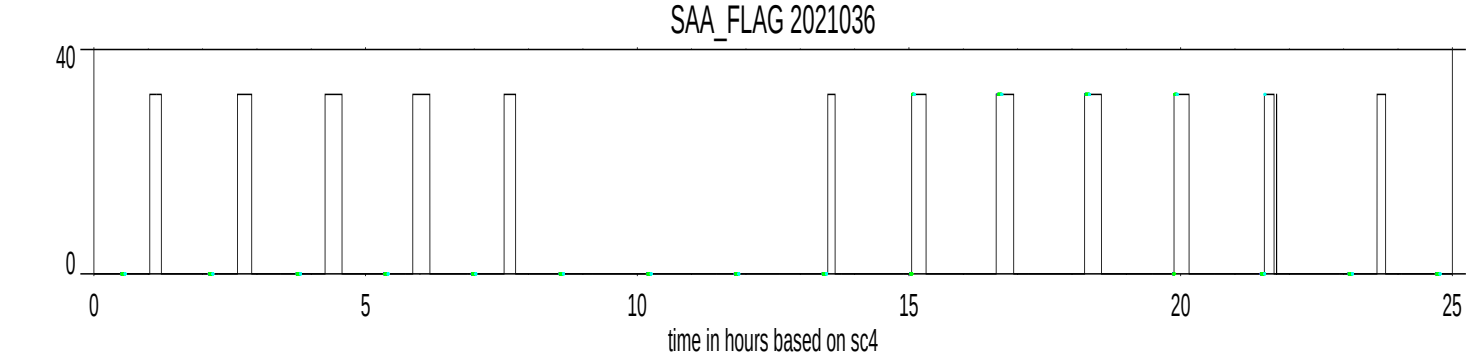


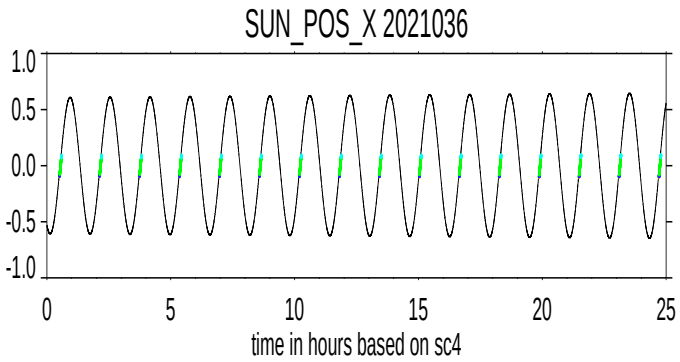

INTERNAL ERROR 2021036
16
8
0
0
5
10
15
20
25
time in hours based on sc4

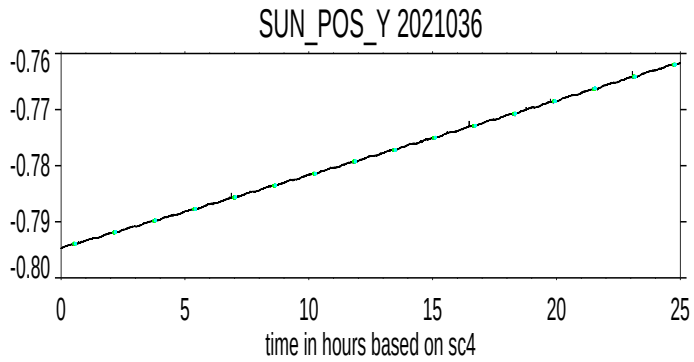

ERRORS 2021036
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

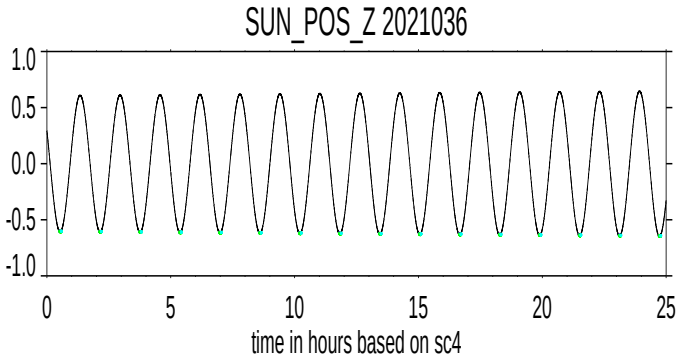

ODC STATUS 2021036
2
1
0
0
5
10
15
20
25
time in hours based on sc4

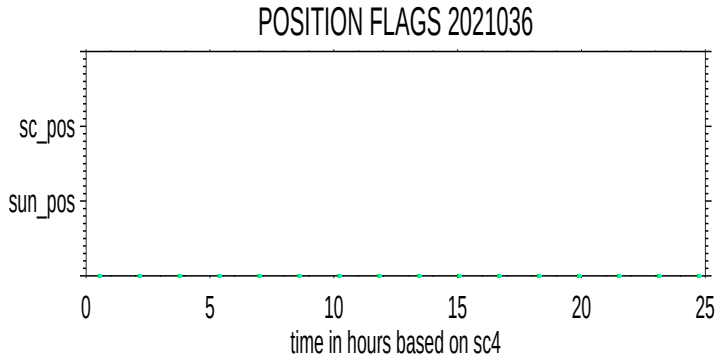

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

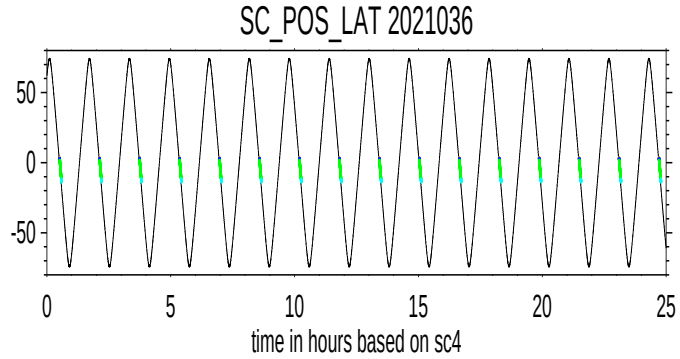

SAA_FLAG 2021036
40
0
0
5
10
15
20
25
time in hours based on sc4

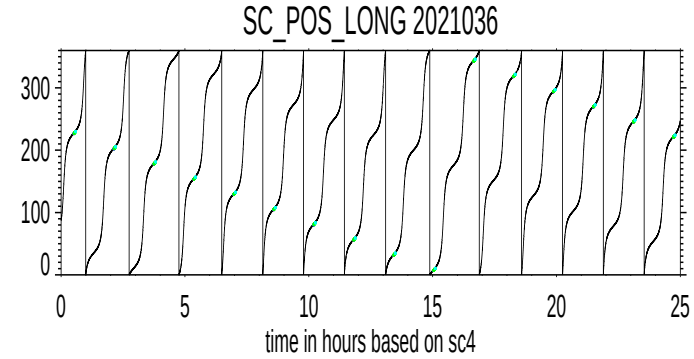

SUN_POS_X 2021036
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

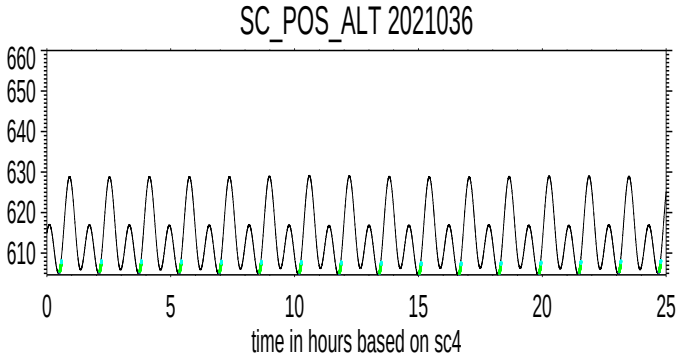

SUN_POS_Y 2021036
-0.76
-0.77
-0.78
-0.79
-0.80
0
5
10
15
20
25
time in hours based on sc4

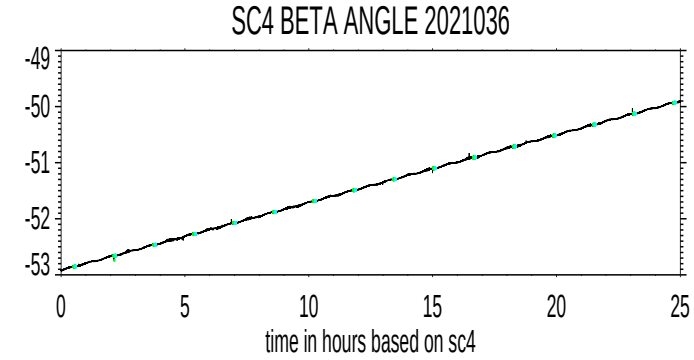

SUN_POS_Z 2021036
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2021036
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2021036
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2021036
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2021036
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2021036
-49
-50
-51
-52
-53
0
5
10
15
20
25
time in hours based on sc4