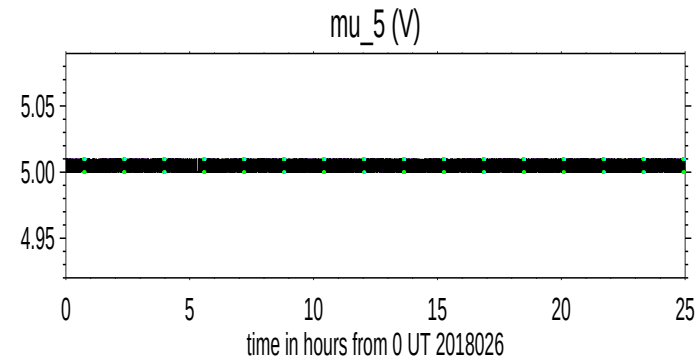
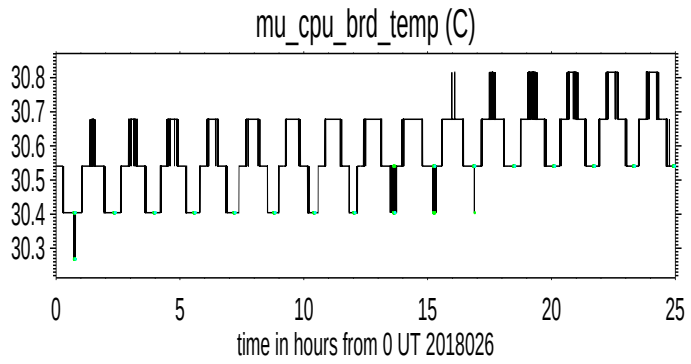
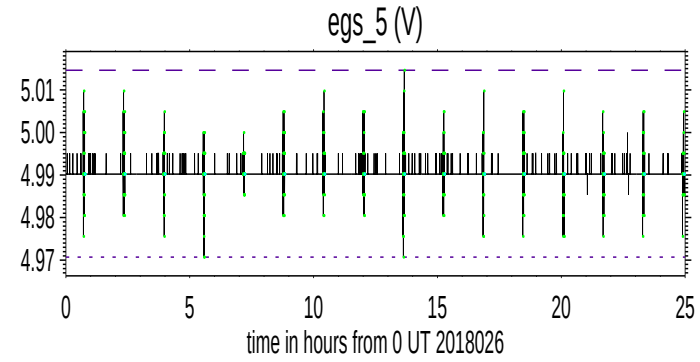
```
Information for      2018026
05:09:12.000: see_stat[1]: 9 internal error
```

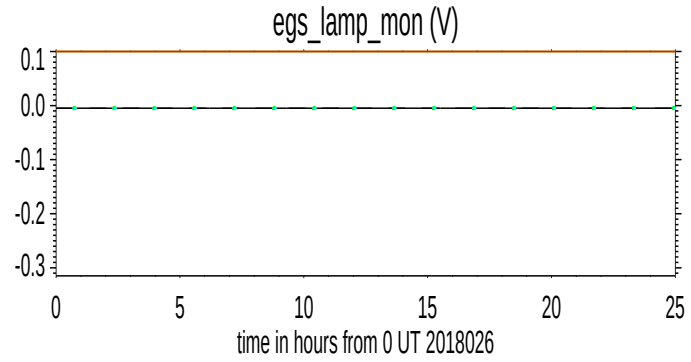
/export/timed/data/science_dp/tlm_limit/outoflimit_2018026_012.txt
Sun Feb 25 06:15:31 2018 1

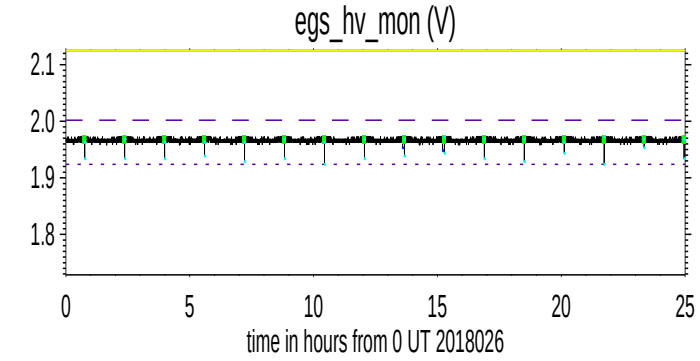
YH OutOfLimit 1200960022 1201050010 hk.egs_det_temp

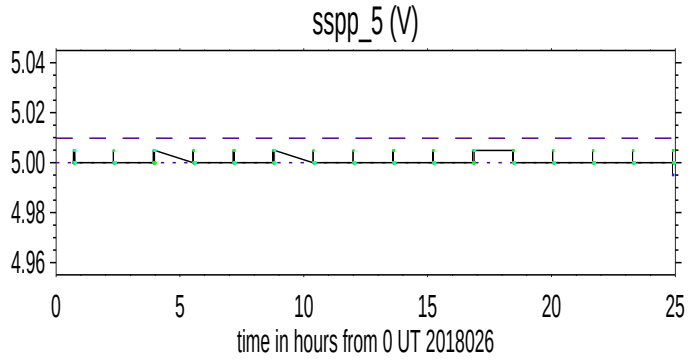

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2018026

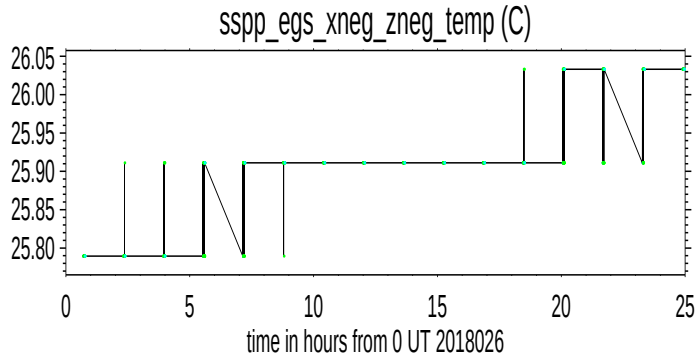

mu_cpu_brd_temp (C)
30.8
30.7
30.6
30.5
30.4
30.3
0
5
10
15
20
25
time in hours from 0 UT 2018026

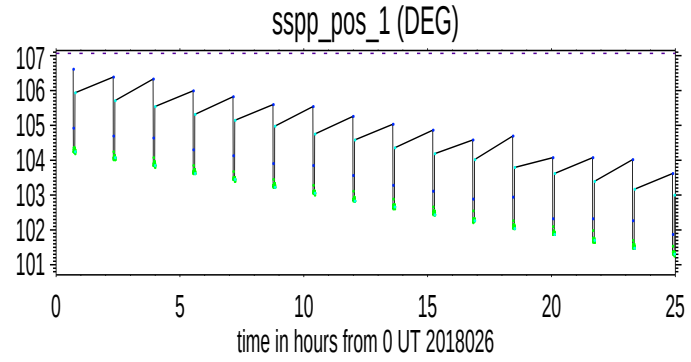

egs_5 (V)
5.01
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2018026

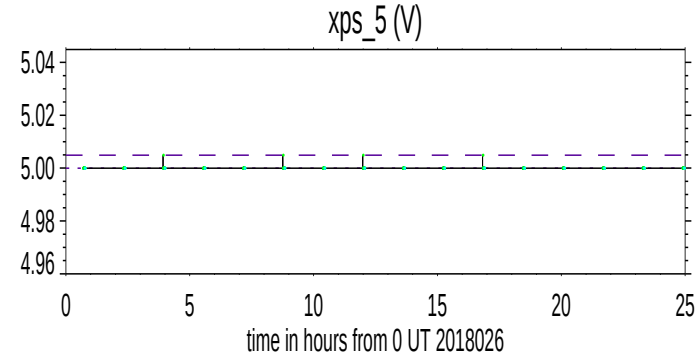

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2018026

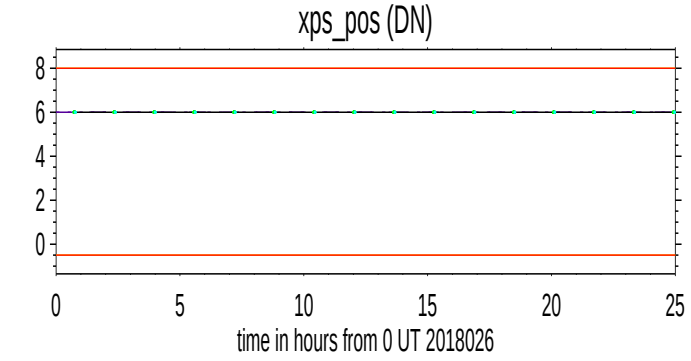

egs_hv_mon (V)
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2018026

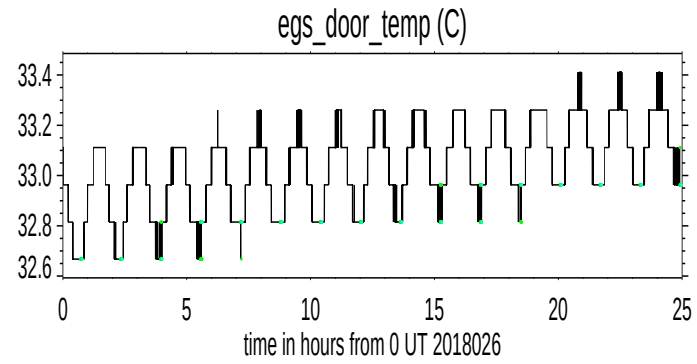

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2018026

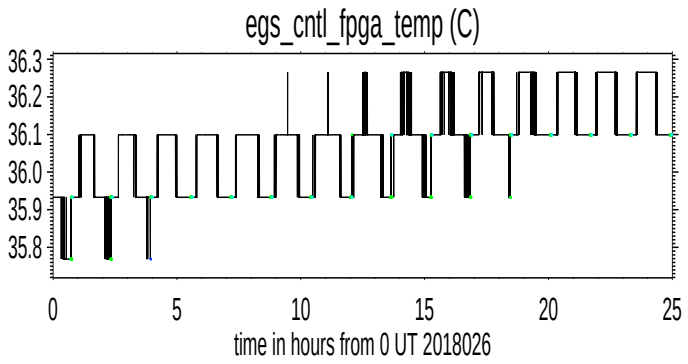

sspp_egs_xneg_zneg_temp (C)
26.05
26.00
25.95
25.90
25.85
25.80
0
5
10
15
20
25
time in hours from 0 UT 2018026

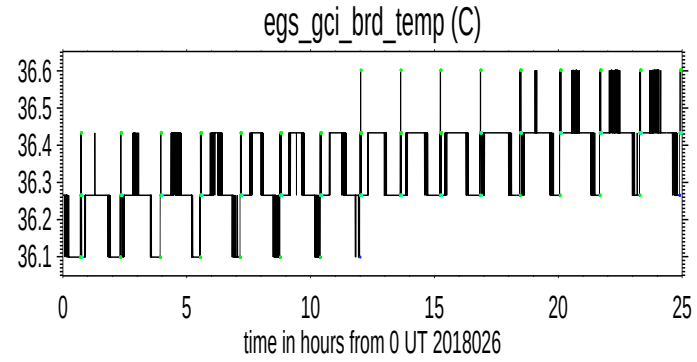

sspp_pos_1 (DEG)
107
106
105
104
103
102
101
0
5
10
15
20
25
time in hours from 0 UT 2018026

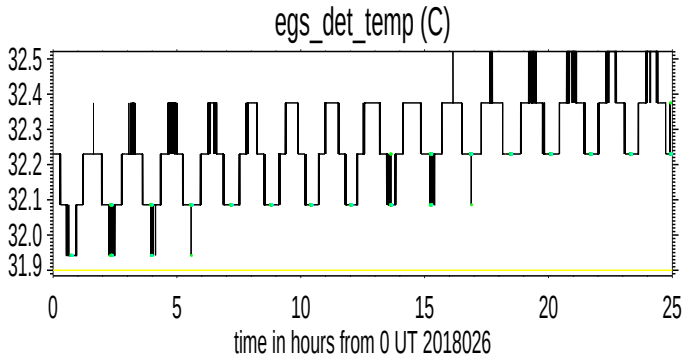

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2018026

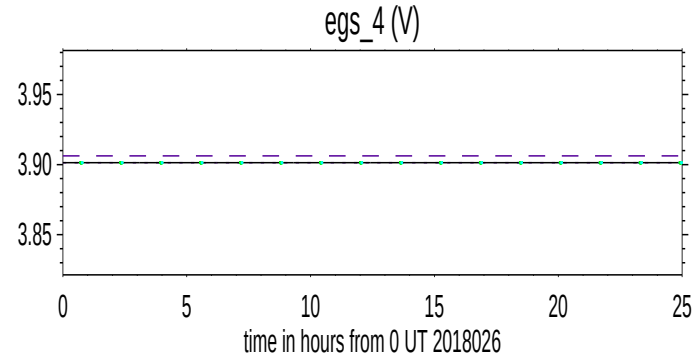

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2018026

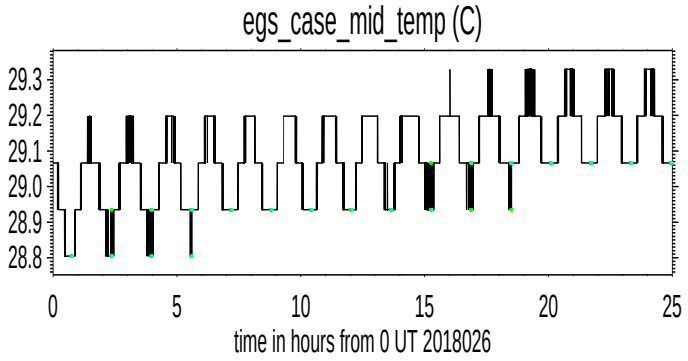

egs_door_temp (C)
33.4
33.2
33.0
32.8
32.6
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_cntl_fpga_temp (C)
36.3
36.2
36.1
36.0
35.9
35.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_gci_brd_temp (C)
36.6
36.5
36.4
36.3
36.2
36.1
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_det_temp (C)
32.5
32.4
32.3
32.2
32.1
32.0
31.9
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_case_mid_temp (C)
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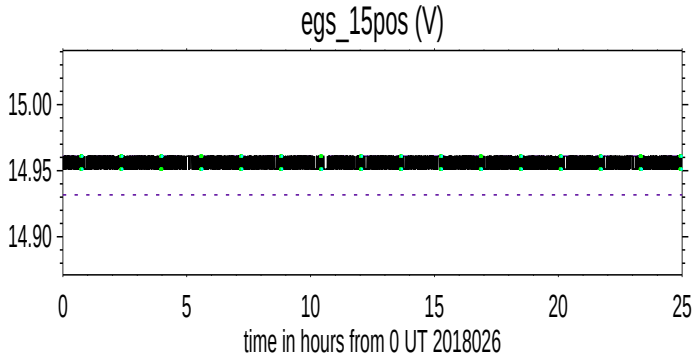
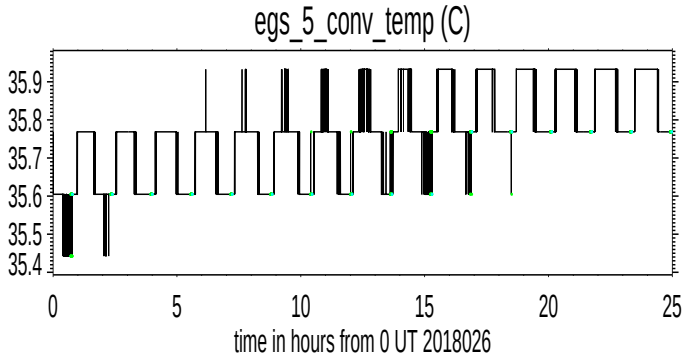
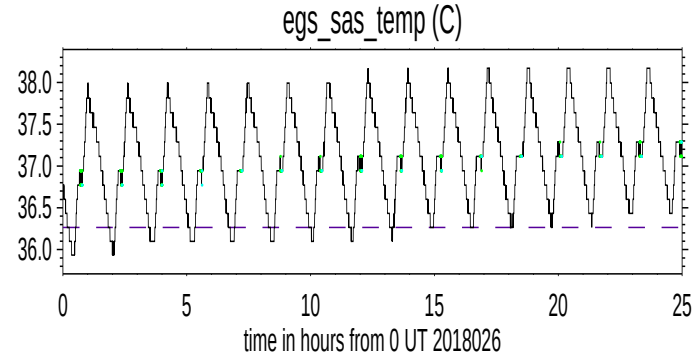
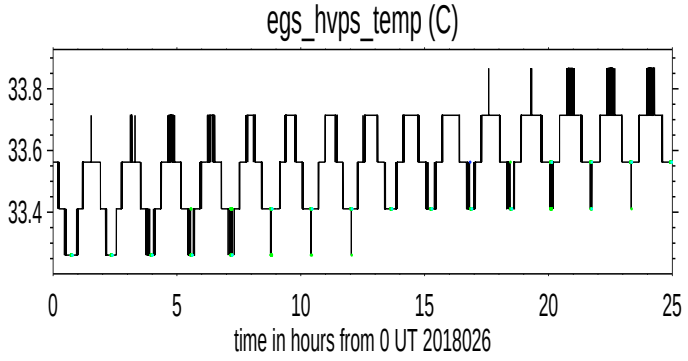
29.1
29.0
28.9
28.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_15pos (V)
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_5_conv_temp (C)
35.9
35.8
35.7
35.6
35.5
35.4
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_sas_temp (C)
38.0
37.5
37.0
36.5
36.0
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_hvps_temp (C)
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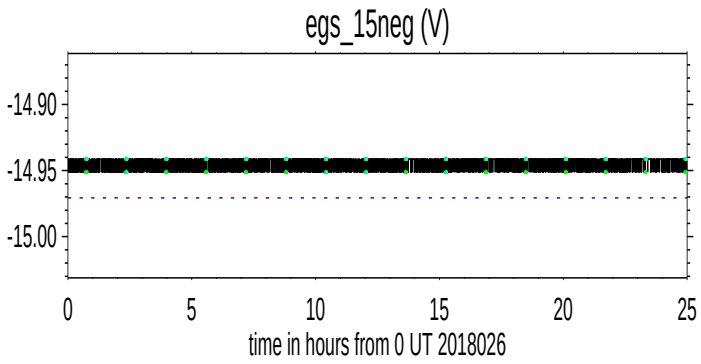
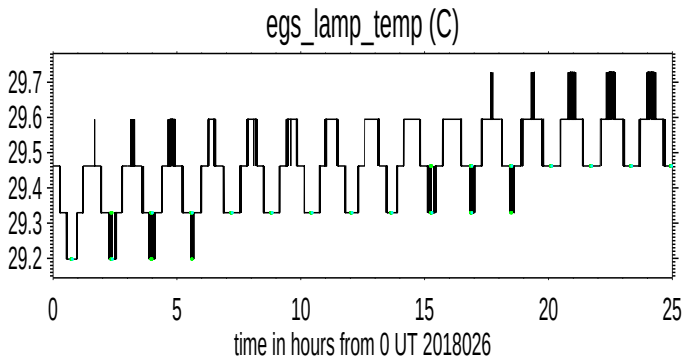
33.6
33.4
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_lamp_temp (C)
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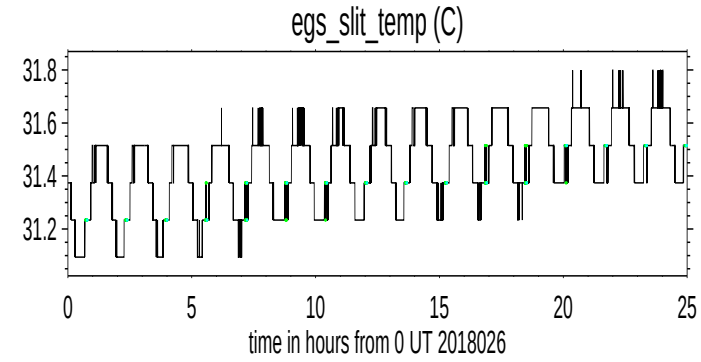
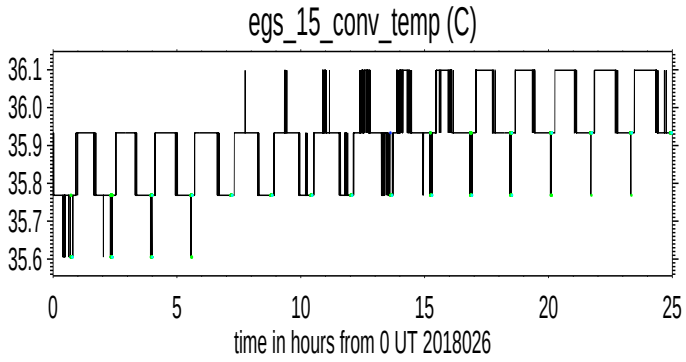
29.5
29.4
29.3
29.2
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_slit_temp (C)
31.8
31.6
31.4
31.2
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_15_conv_temp (C)
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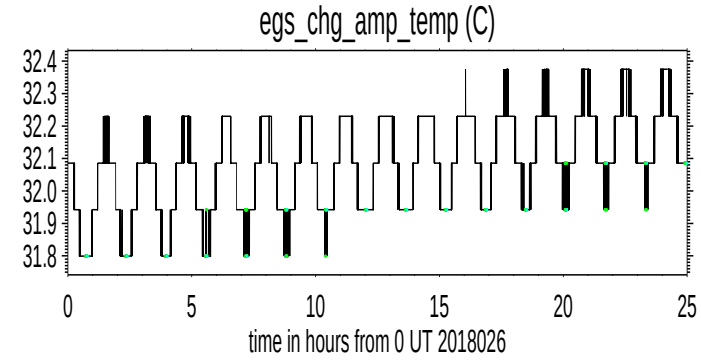
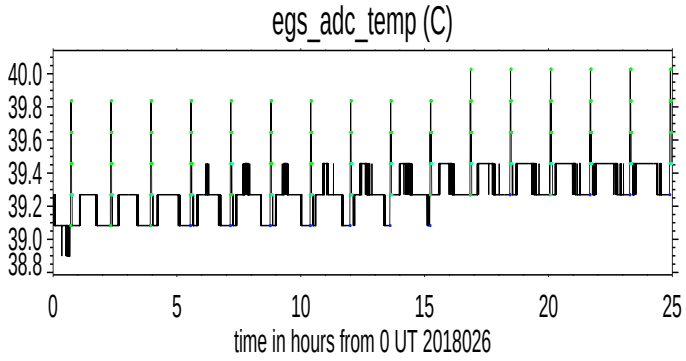
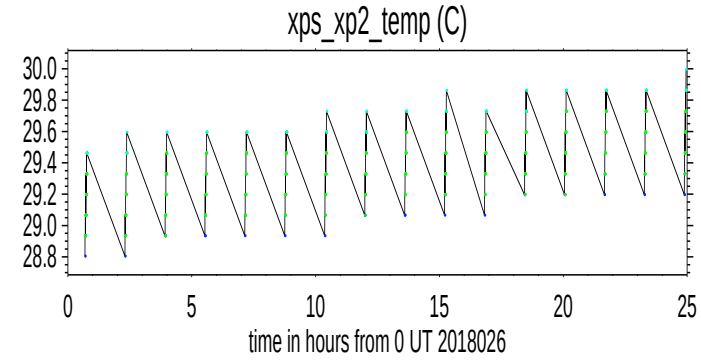
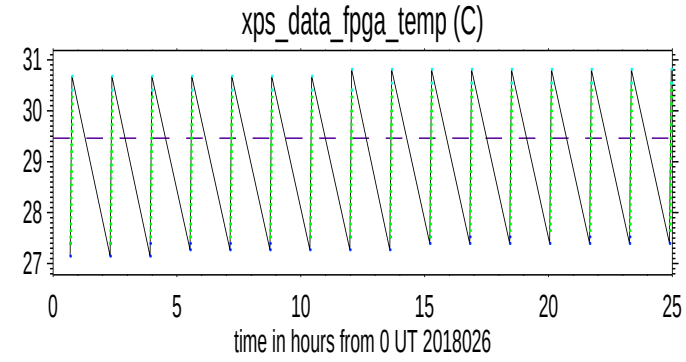
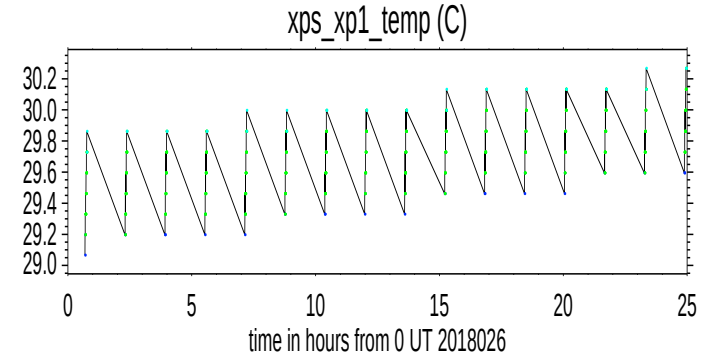
36.0
35.9
35.8
35.7
35.6
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_chg_amp_temp (C)
32.4
32.3
32.2
32.1
32.0
31.9
31.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


egs_adc_temp (C)
40.0
39.8
39.6
39.4
39.2
39.0
38.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_xp2_temp (C)
30.0
29.8
29.6
29.4
29.2
29.0
28.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_data_fpga_temp (C)
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_xp1_temp (C)
30.2
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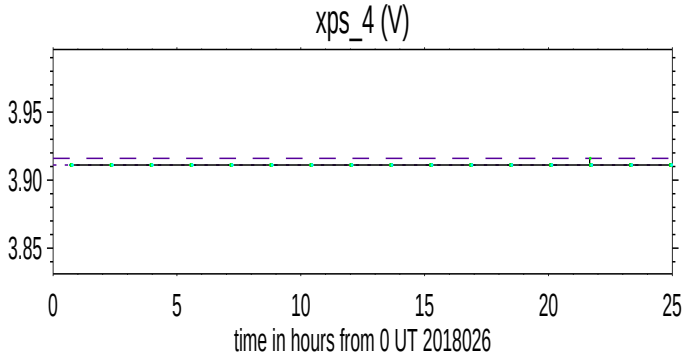
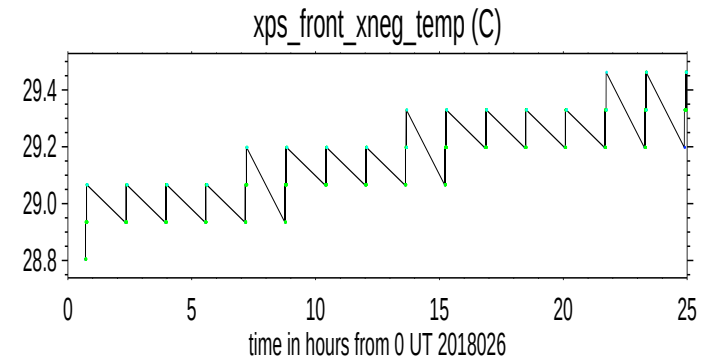
29.8
29.6
29.4
29.2
29.0
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_front_xneg_temp (C)
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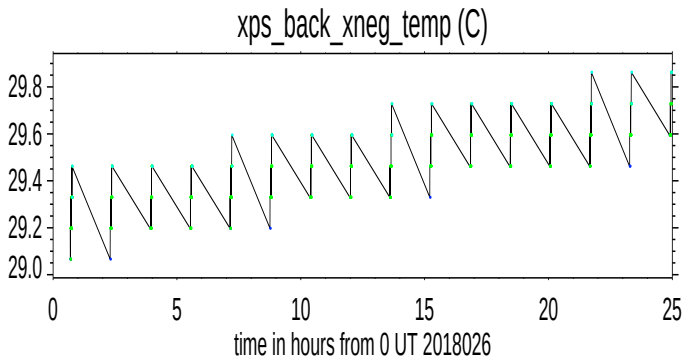
29.2
29.0
28.8
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_back_xneg_temp (C)
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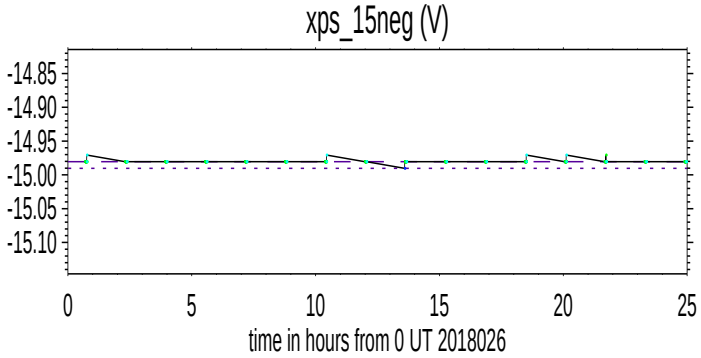
29.6
29.4
29.2
29.0
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_15neg (V)
-14.85
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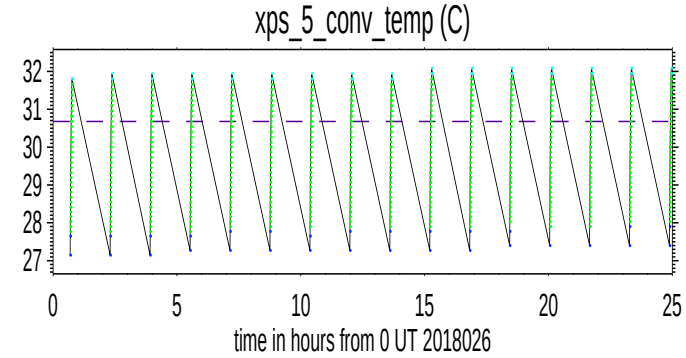
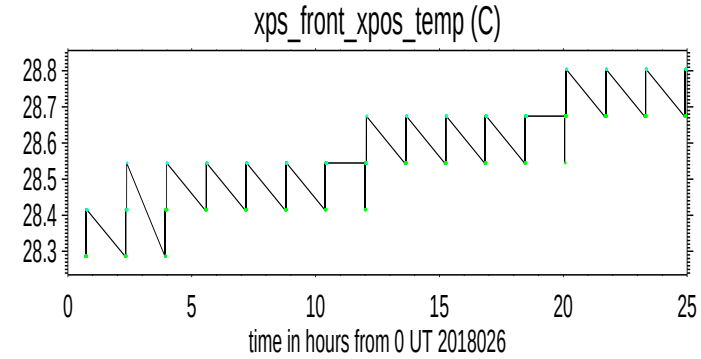
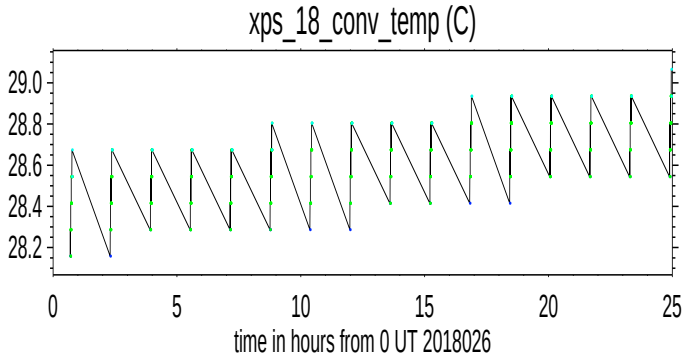
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_5_conv_temp (C)
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_front_xpos_temp (C)
28.8
28.7
28.6
28.5
28.4
28.3
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_18_conv_temp (C)
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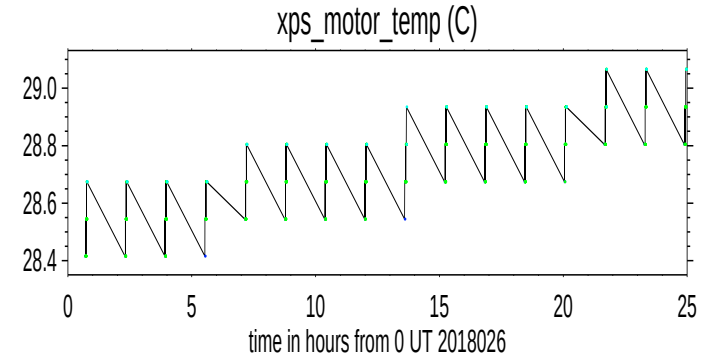
28.6
28.4
28.2
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_motor_temp (C)
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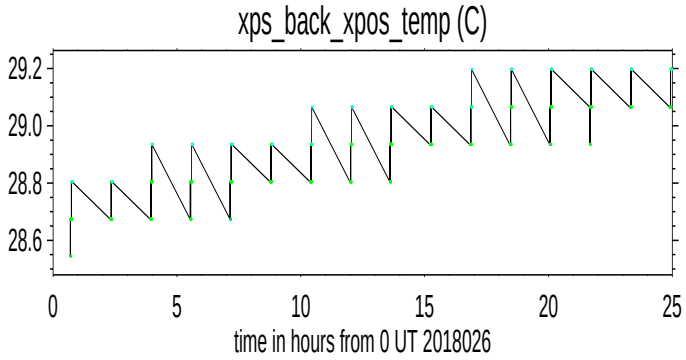
28.6
28.4
0
5
10
15
20
25
time in hours from 0 UT 2018026


xps_back_xpos_temp (C)
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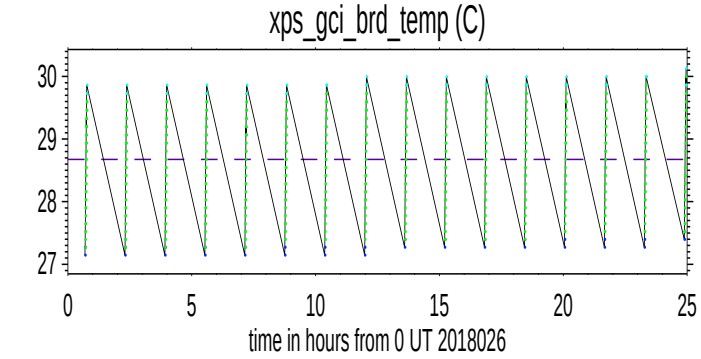
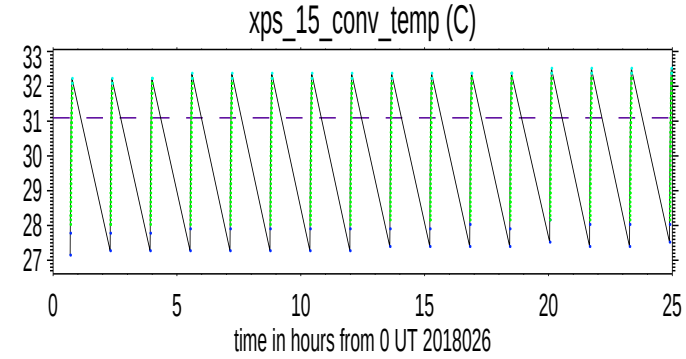
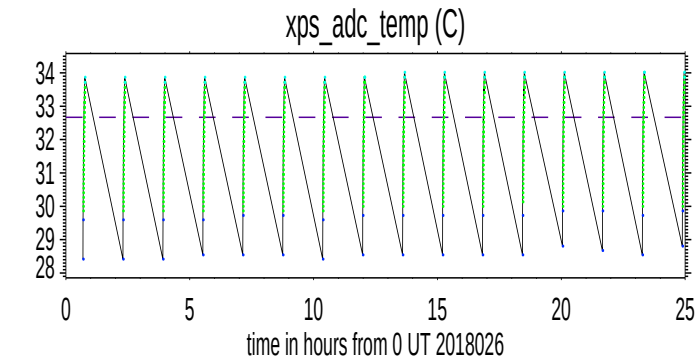
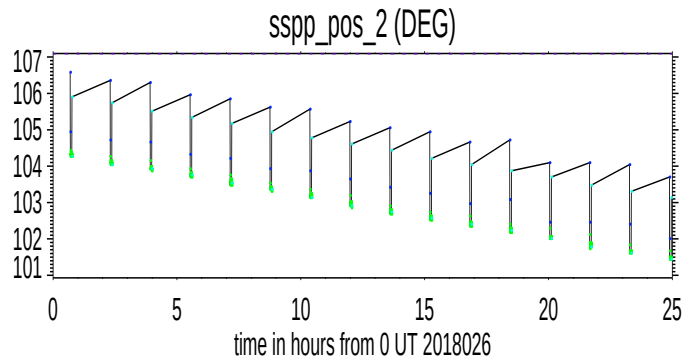
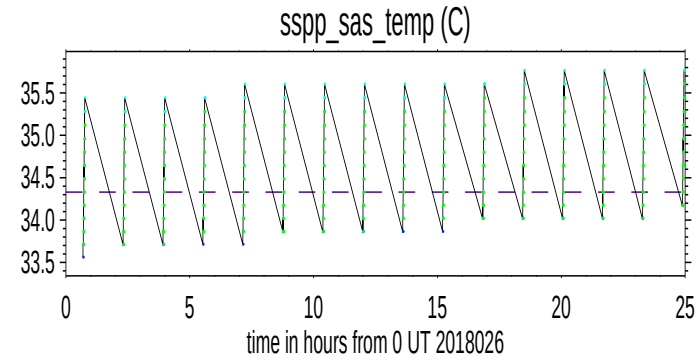
29.0
28.8
28.6
0
5
10
15
20
25
time in hours from 0 UT 2018026

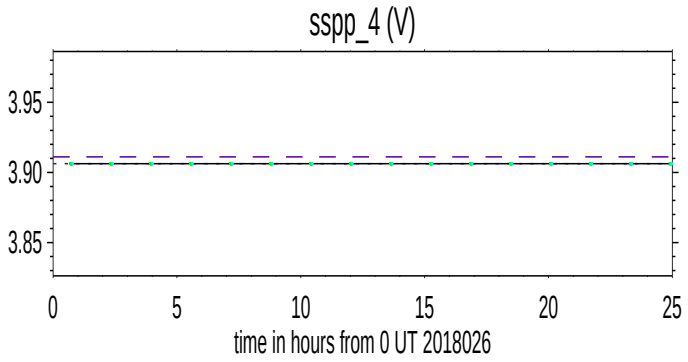

xps_gci_brd_temp (C)
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2018026

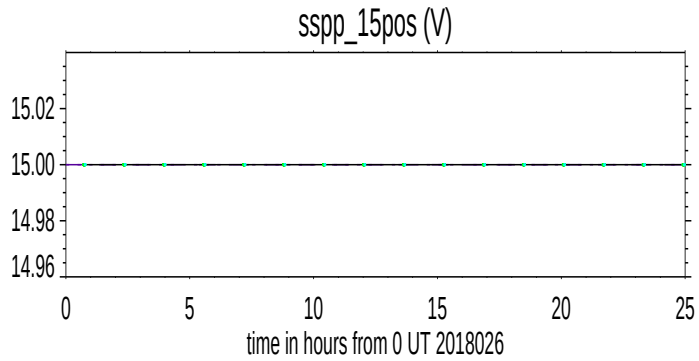

xps_15_conv_temp (C)
33
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2018026

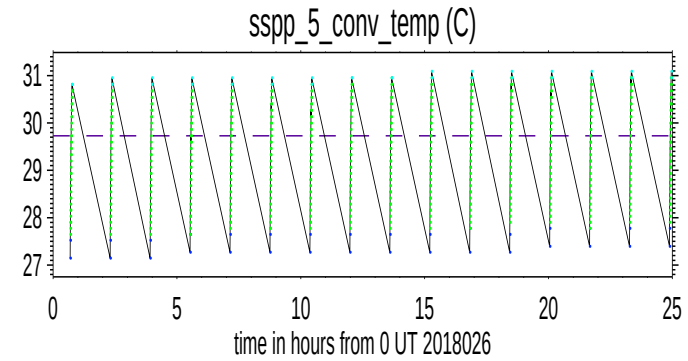

xps_adc_temp (C)
34
33
32
31
30
29
28
0
5
10
15
20
25
time in hours from 0 UT 2018026

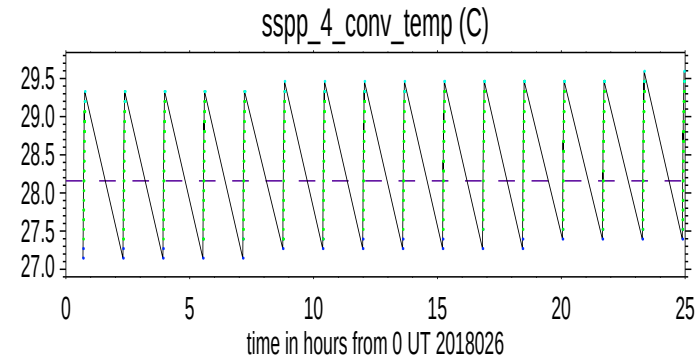

sspp_pos_2 (DEG)
107
106
105
104
103
102
101
0
5
10
15
20
25
time in hours from 0 UT 2018026

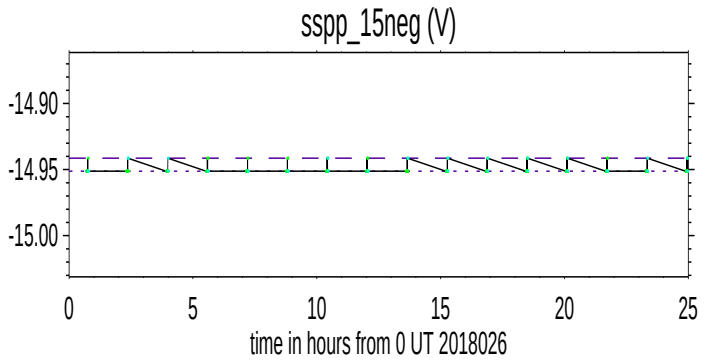

sspp_sas_temp (C)
35.5
35.0
34.5
34.0
33.5
0
5
10
15
20
25
time in hours from 0 UT 2018026

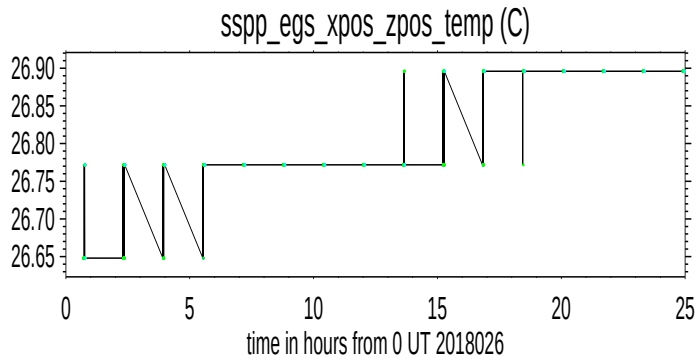

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018026

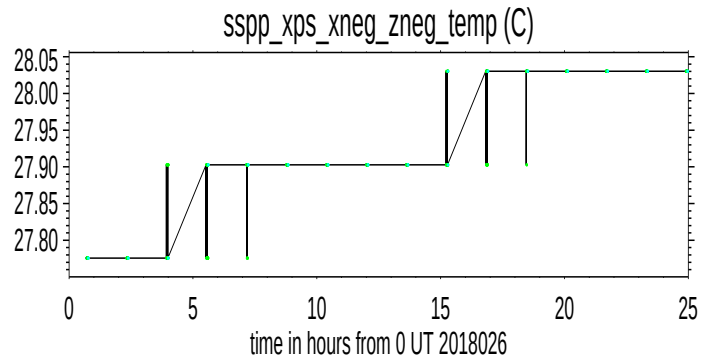

sspp_15pos (V)
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2018026

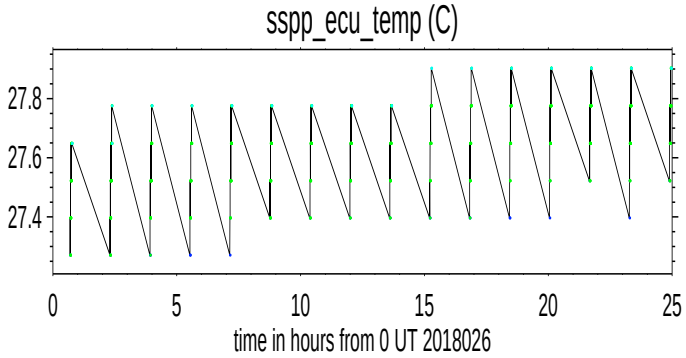

sspp_5_conv_temp (C)
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2018026

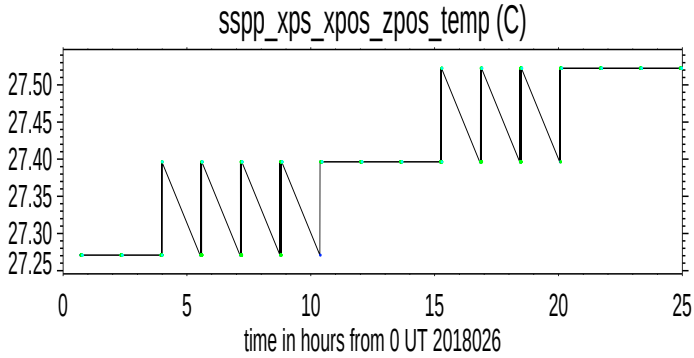

sspp_4_conv_temp (C)
29.5
29.0
28.5
28.0
27.5
27.0
0
5
10
15
20
25
time in hours from 0 UT 2018026

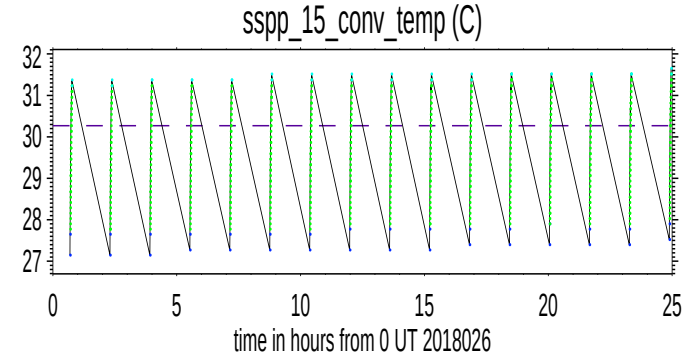

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018026

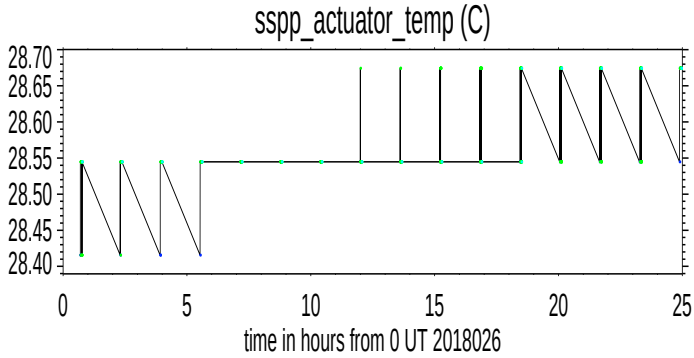

sspp_egs_xpos_zpos_temp (C)
26.90
26.85
26.80
26.75
26.70
26.65
0
5
10
15
20
25
time in hours from 0 UT 2018026

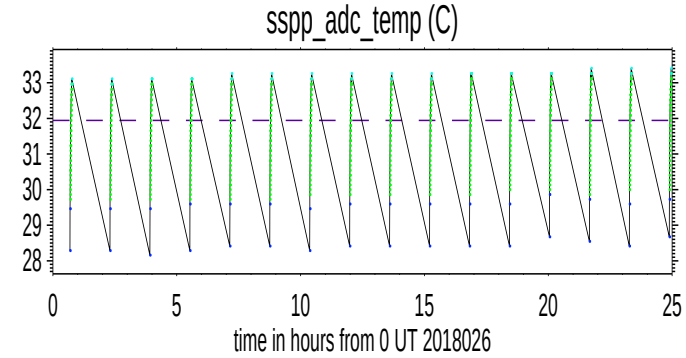

sspp_xps_xneg_zneg_temp (C)
28.05
28.00
27.95
27.90
27.85
27.80
0
5
10
15
20
25
time in hours from 0 UT 2018026

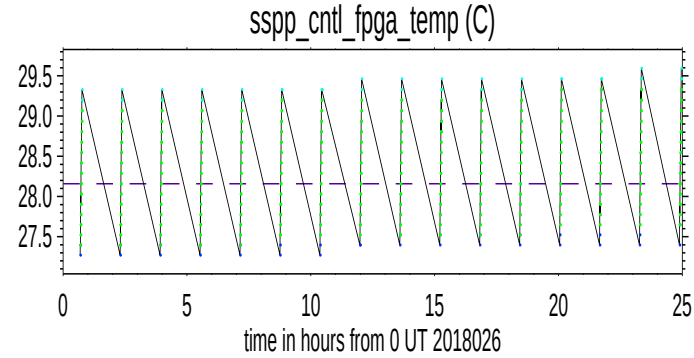

sspp_ecu_temp (C)
27.8
27.6
27.4
0 5 10 15 20 25
time in hours from 0 UT 2018026

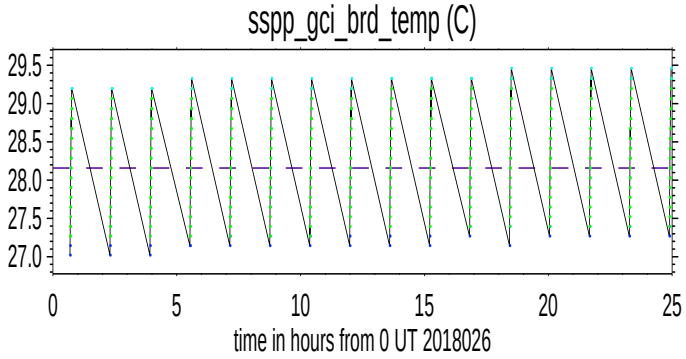

sspp_xps_xpos_zpos_temp (C)
27.50
27.45
27.40
27.35
27.30
27.25
0 5 10 15 20 25
time in hours from 0 UT 2018026

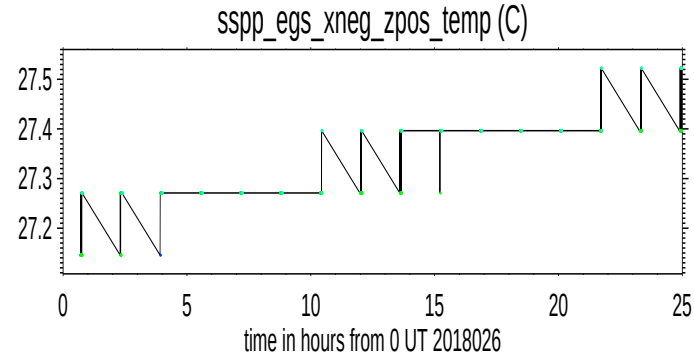

sspp_15_conv_temp (C)
32
31
30
29
28
27
0 5 10 15 20 25
time in hours from 0 UT 2018026

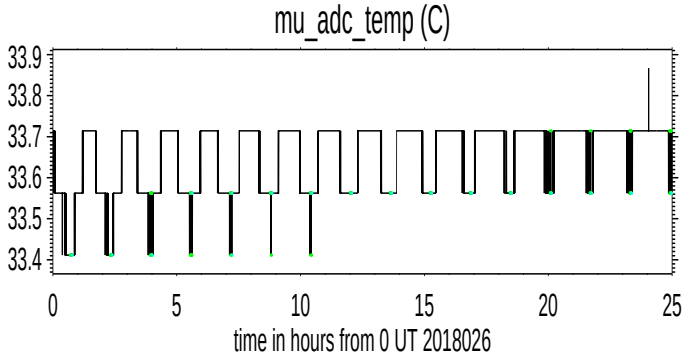

sspp_actuator_temp (C)
28.70
28.65
28.60
28.55
28.50
28.45
28.40
0 5 10 15 20 25
time in hours from 0 UT 2018026

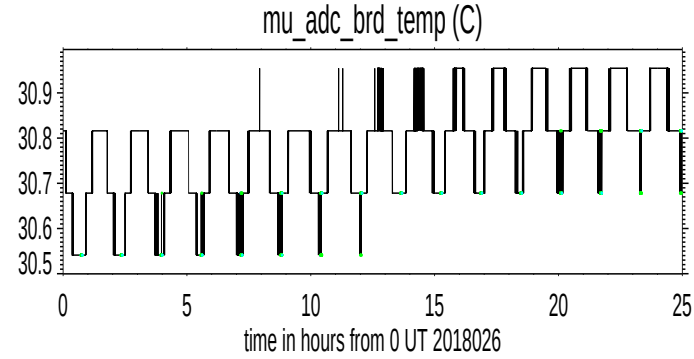

sspp_adc_temp (C)
33
32
31
30
29
28
0 5 10 15 20 25
time in hours from 0 UT 2018026

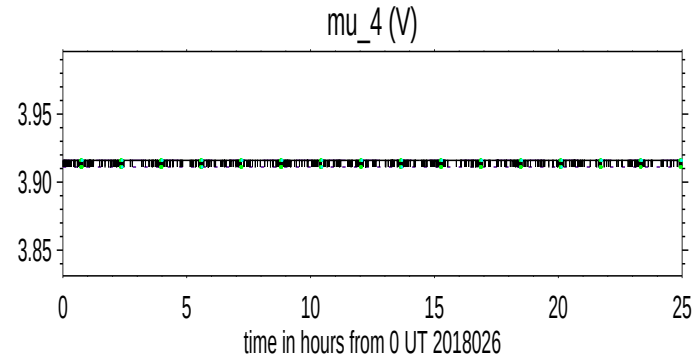

sspp_cntl_fpga_temp (C)
29.5
29.0
28.5
28.0
27.5
0 5 10 15 20 25
time in hours from 0 UT 2018026

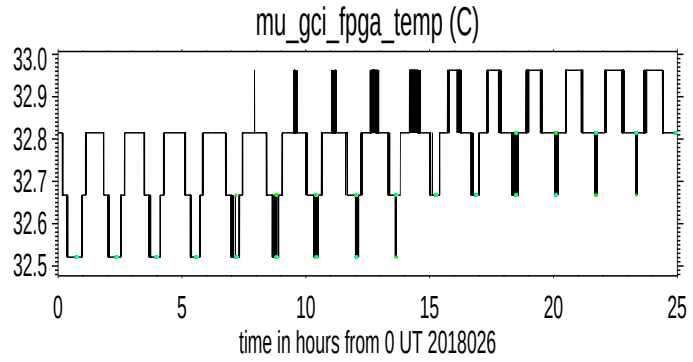

sspp_gci_brd_temp (C)
29.5
29.0
28.5
28.0
27.5
27.0
0 5 10 15 20 25
time in hours from 0 UT 2018026

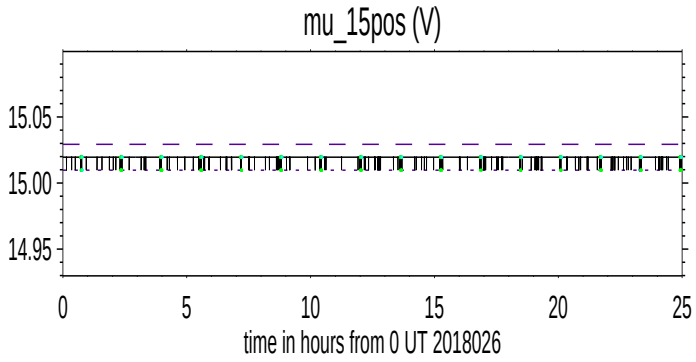

sspp_egs_xneg_zpos_temp (C)
27.5
27.4
27.3
27.2
0 5 10 15 20 25
time in hours from 0 UT 2018026

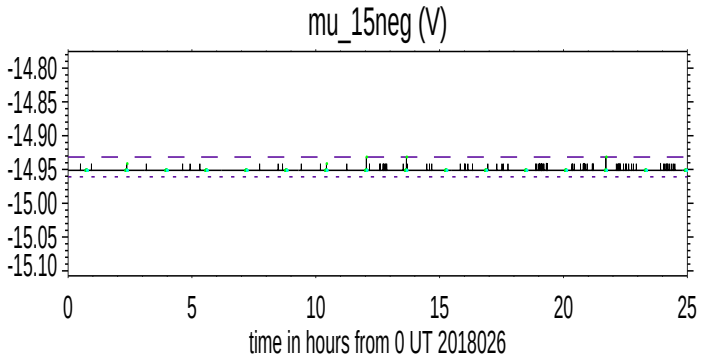

mu_adc_temp (C)
33.9
33.8
33.7
33.6
33.5
33.4
0 5 10 15 20 25
time in hours from 0 UT 2018026

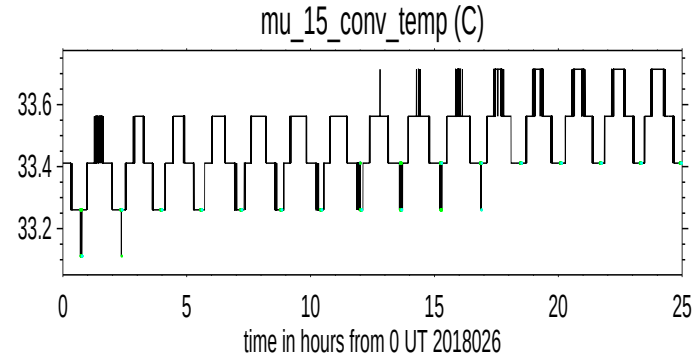

mu_adc_brd_temp (C)
30.9
30.8
30.7
30.6
30.5
0 5 10 15 20 25
time in hours from 0 UT 2018026

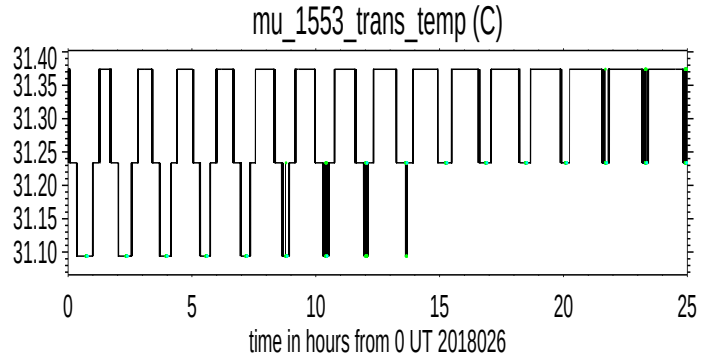

mu_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018026

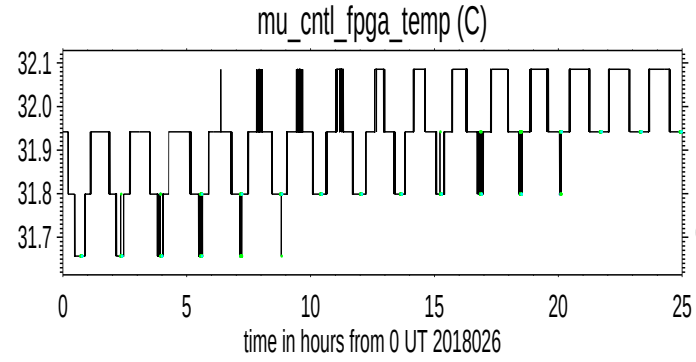

mu_gci_fpga_temp (C)
33.0
32.9
32.8
32.7
32.6
32.5
0
5
10
15
20
25
time in hours from 0 UT 2018026

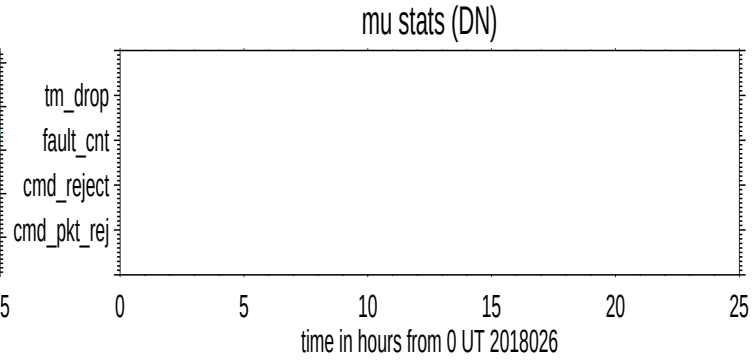

mu_15pos (V)
15.05
15.00
14.95
0
5
10
15
20
25
time in hours from 0 UT 2018026

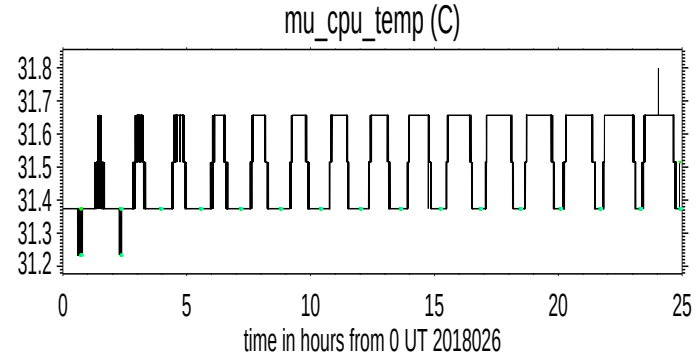

mu_15neg (V)
-14.80
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2018026

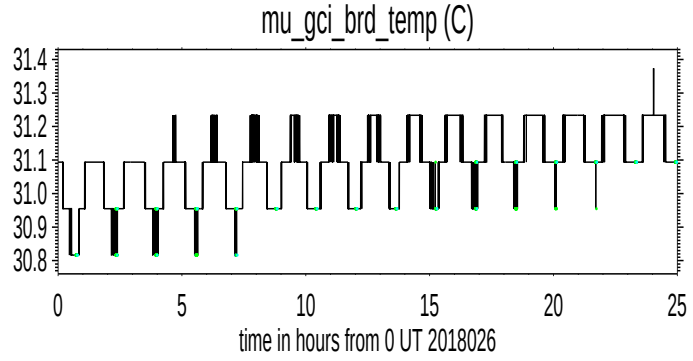

mu_15_conv_temp (C)
33.6
33.4
33.2
0
5
10
15
20
25
time in hours from 0 UT 2018026

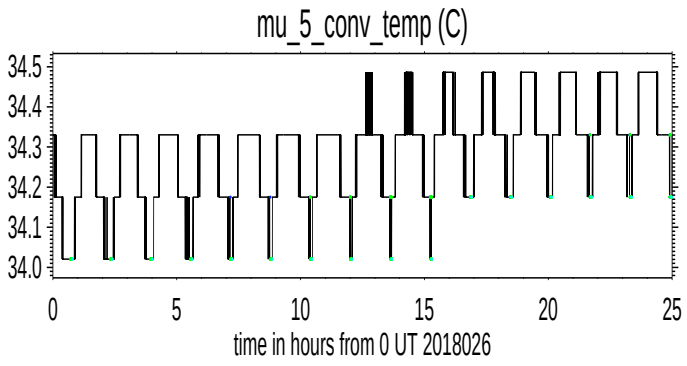

mu_1553_trans_temp (C)
31.40
31.35
31.30
31.25
31.20
31.15
31.10
0
5
10
15
20
25
time in hours from 0 UT 2018026

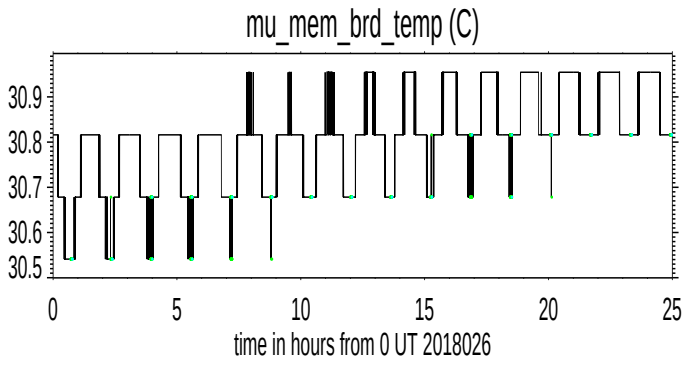

mu_cntl_fpga_temp (C)
32.1
32.0
31.9
31.8
31.7
0
5
10
15
20
25
time in hours from 0 UT 2018026

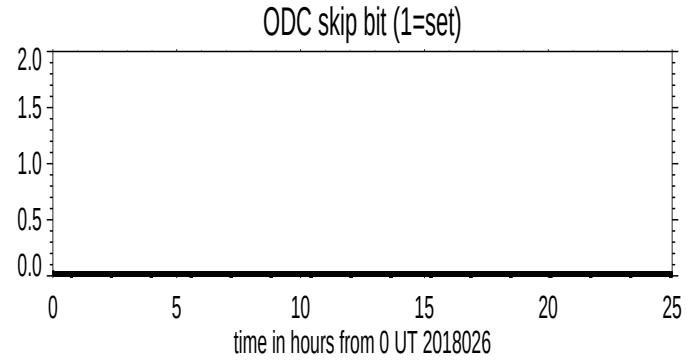

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2018026

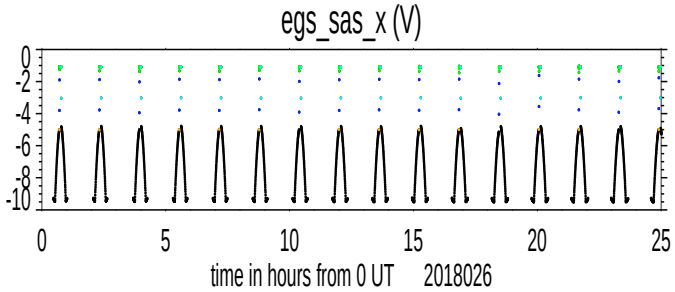

mu_cpu_temp (C)
31.8
31.7
31.6
31.5
31.4
31.3
31.2
0
5
10
15
20
25
time in hours from 0 UT 2018026

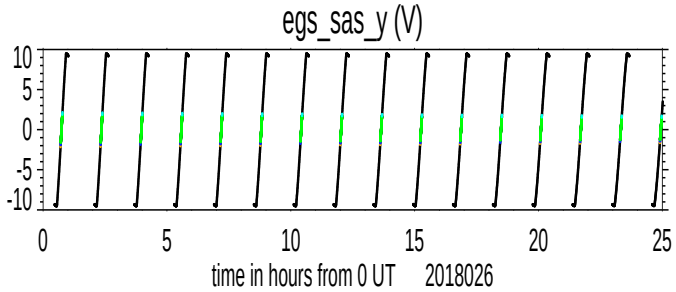

mu_gci_brd_temp (C)
31.4
31.3
31.2
31.1
31.0
30.9
30.8
0
5
10
15
20
25
time in hours from 0 UT 2018026

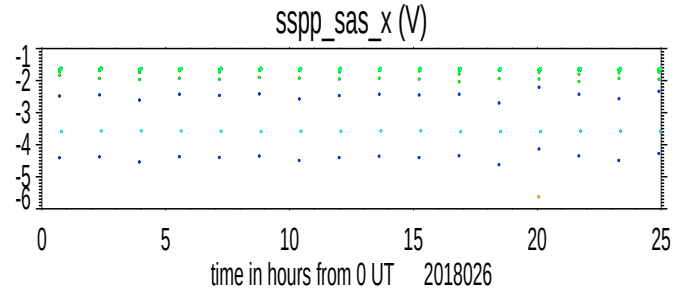

mu_5_conv_temp (C)
34.5
34.4
34.3
34.2
34.1
34.0
0
5
10
15
20
25
time in hours from 0 UT 2018026

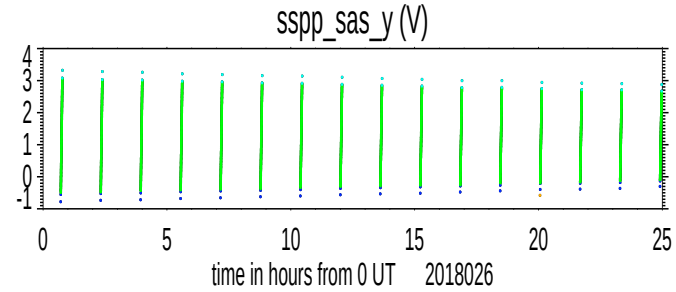

mu_mem_brd_temp (C)
30.9
30.8
30.7
30.6
30.5
0
5
10
15
20
25
time in hours from 0 UT 2018026

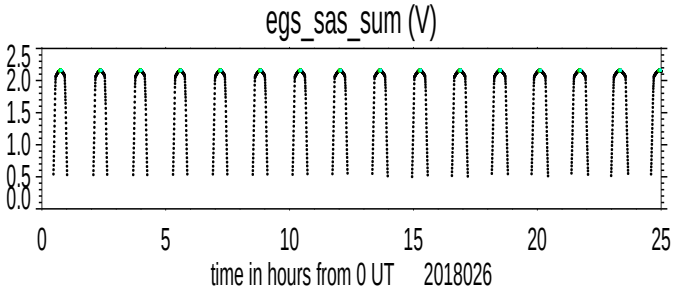

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2018026

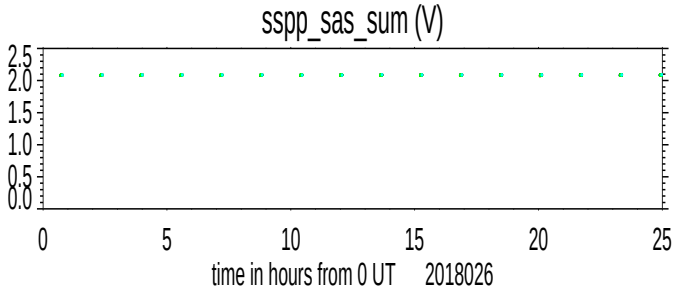

egs_sas_x (V)
time in hours from 0 UT 2018026

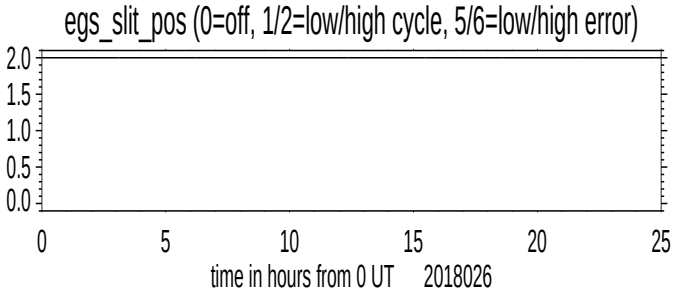

egs_sas_y (V)
time in hours from 0 UT 2018026

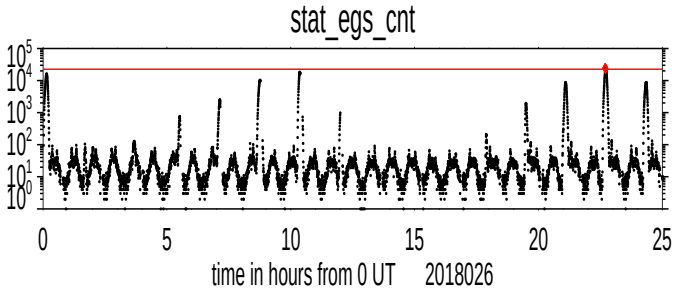

sspp_sas_x (V)
time in hours from 0 UT 2018026

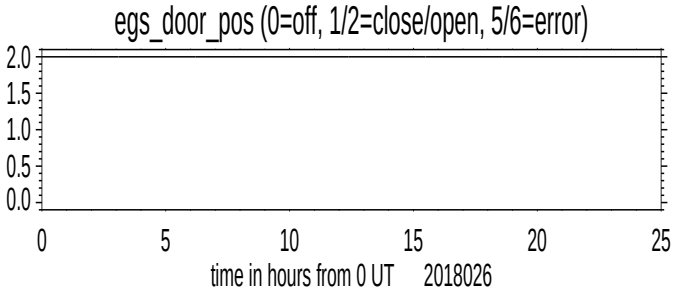

sspp_sas_y (V)
time in hours from 0 UT 2018026

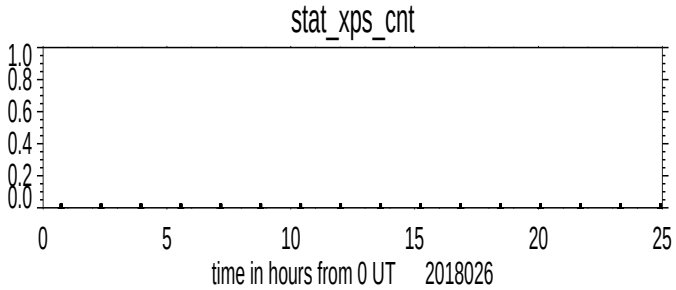

egs_sas_sum (V)
time in hours from 0 UT 2018026

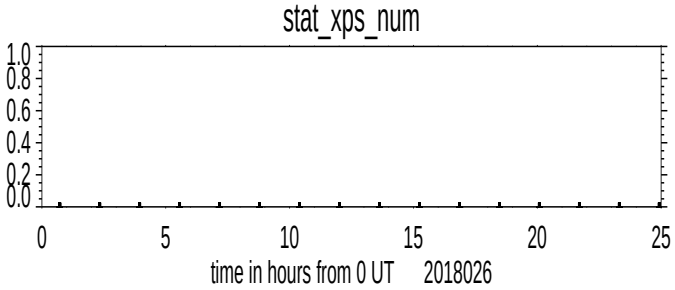

sspp_sas_sum (V)
time in hours from 0 UT 2018026

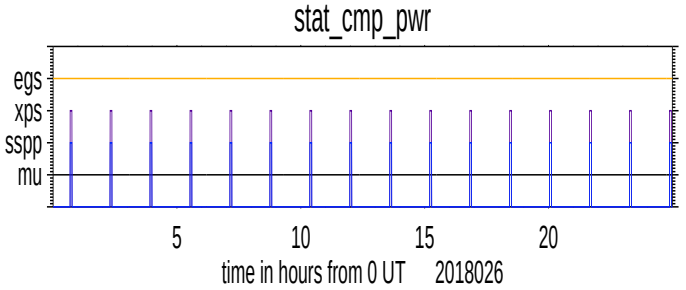

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2018026


stat_egs_cnt
time in hours from 0 UT 2018026

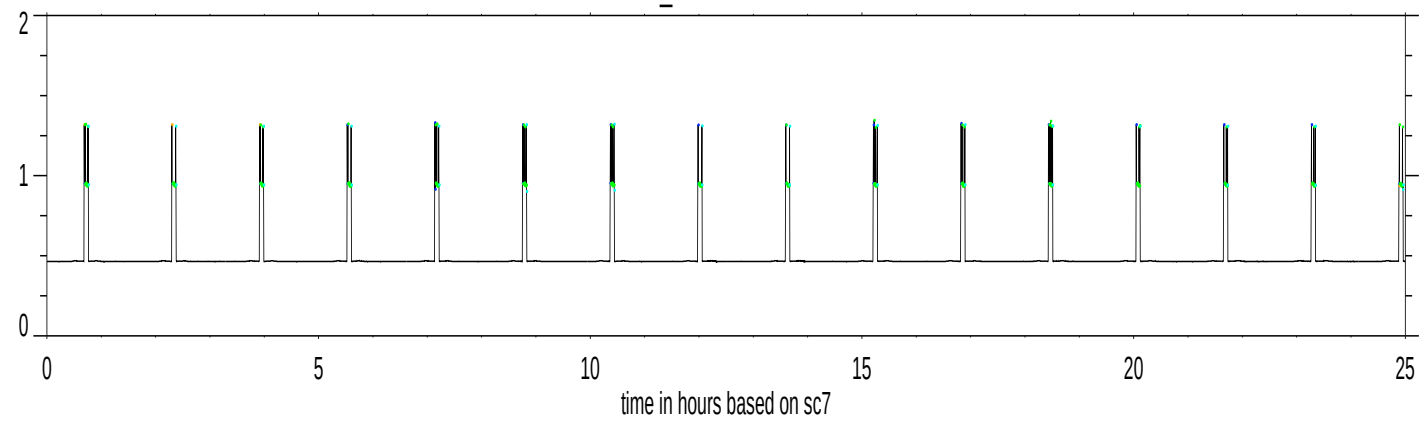

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2018026


stat_xps_cnt
time in hours from 0 UT 2018026

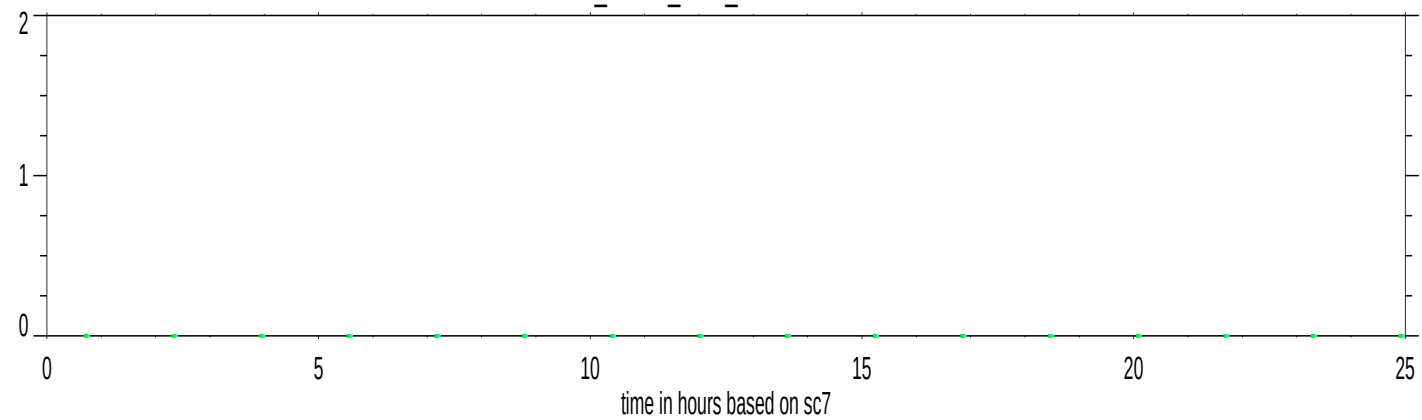

stat_xps_num
time in hours from 0 UT 2018026


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2018026

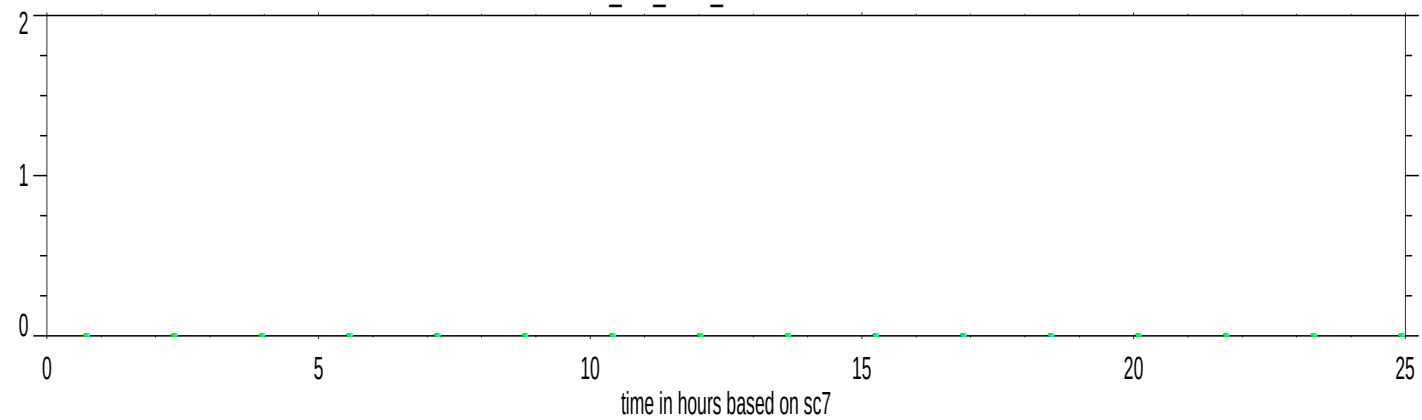
SEE_CUR 2018026



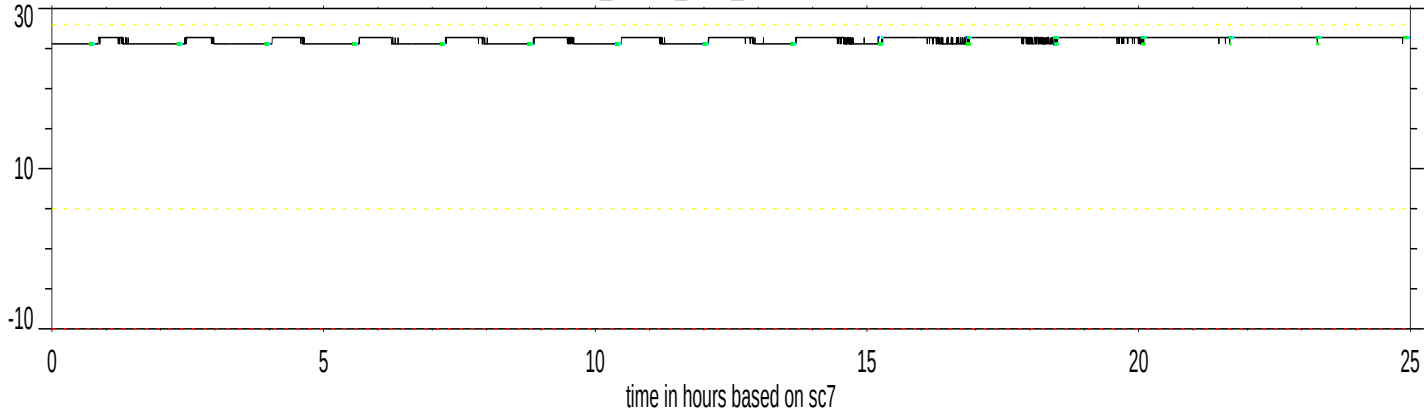
SEE_SURV_HTR_CUR 2018026



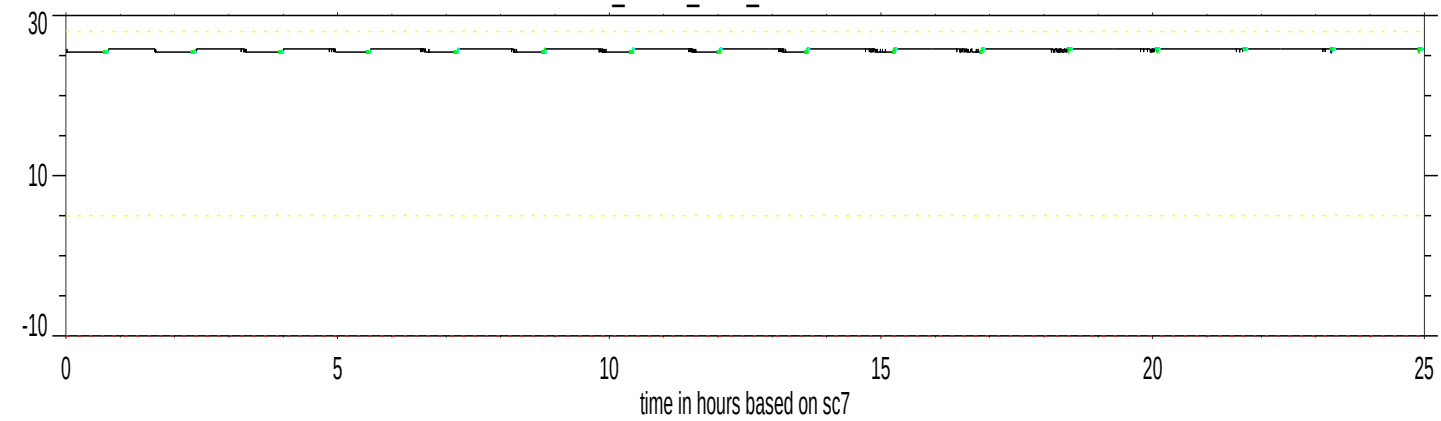
SEE_OP_HTR_CUR 2018026



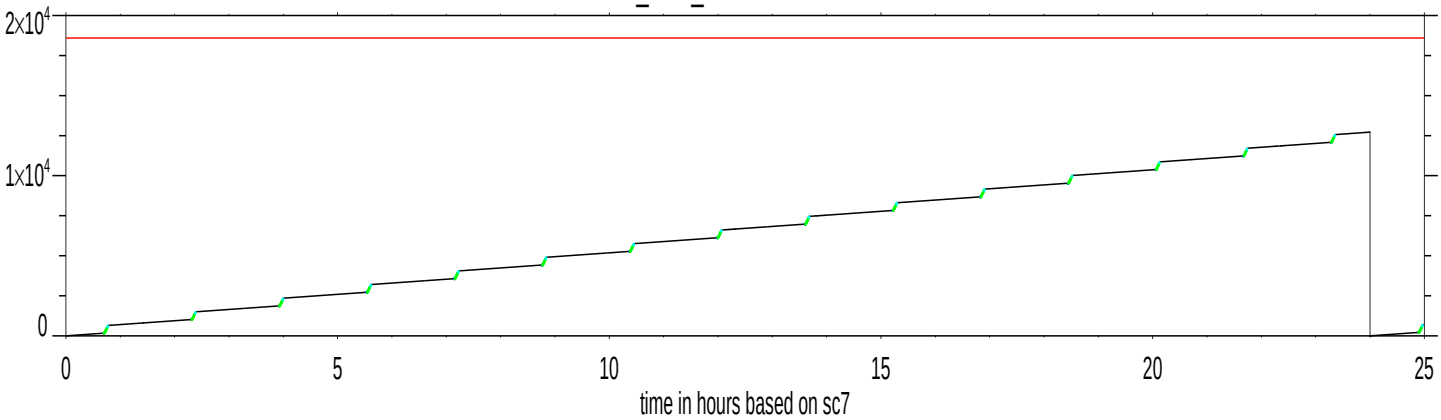
SSPP_BHND_XPS_TEMP 2018026



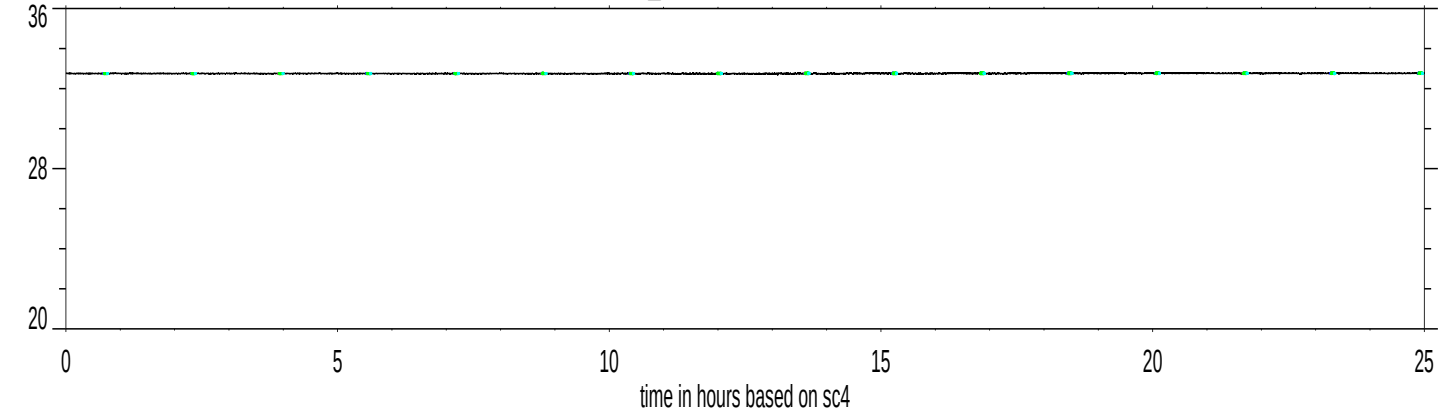
SSPP_BHND_MTR_TEMP 2018026



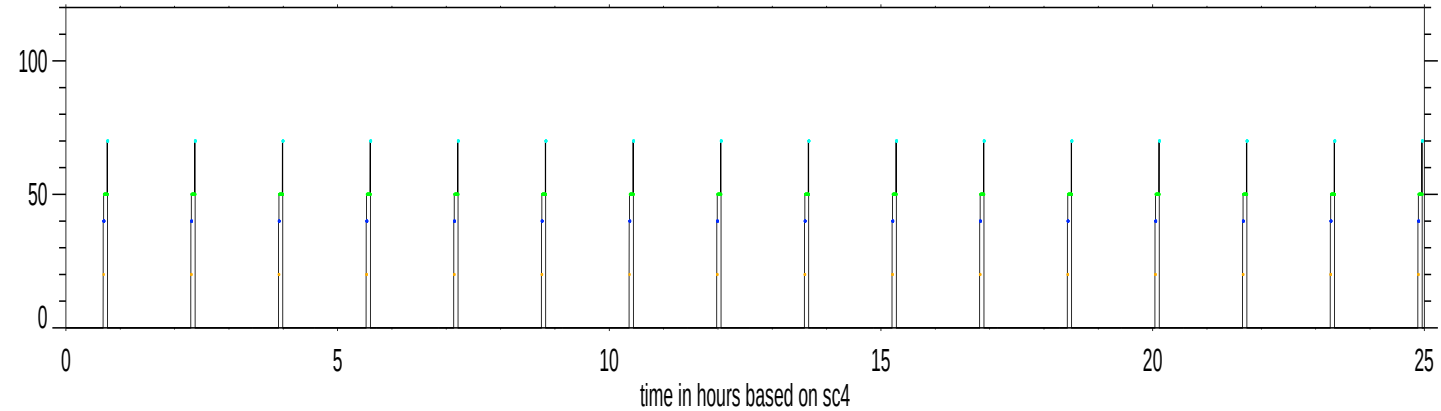
SEE_PKT_COUNT 2018026

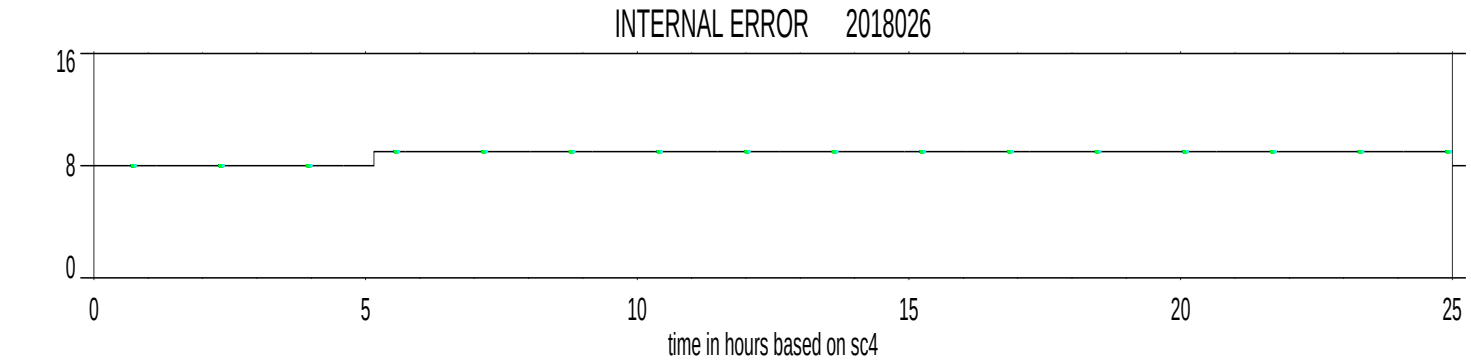


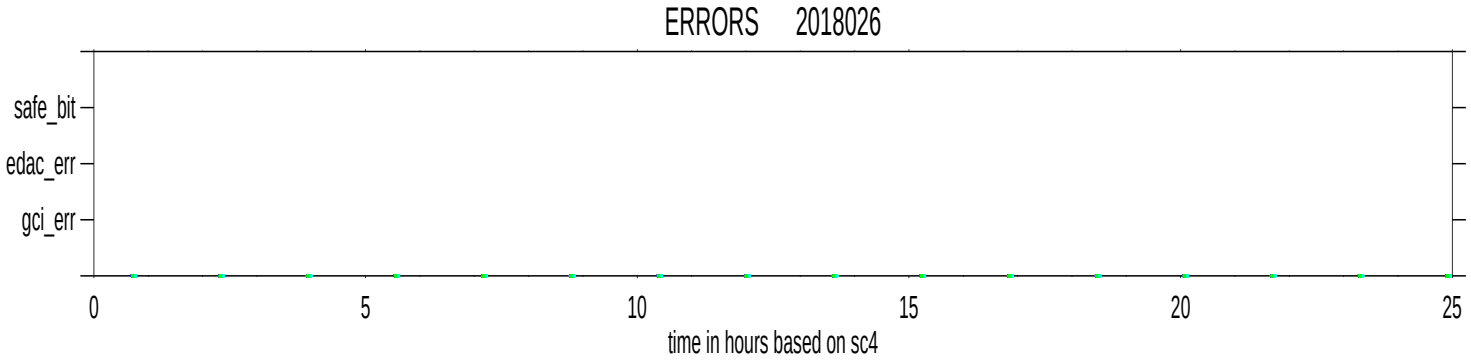
BUS_VOLTAGE 2018026

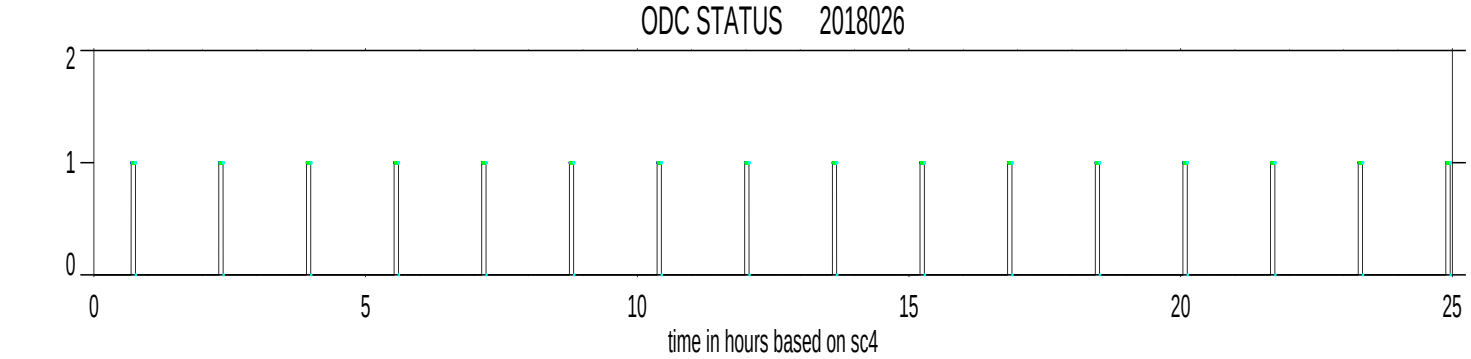


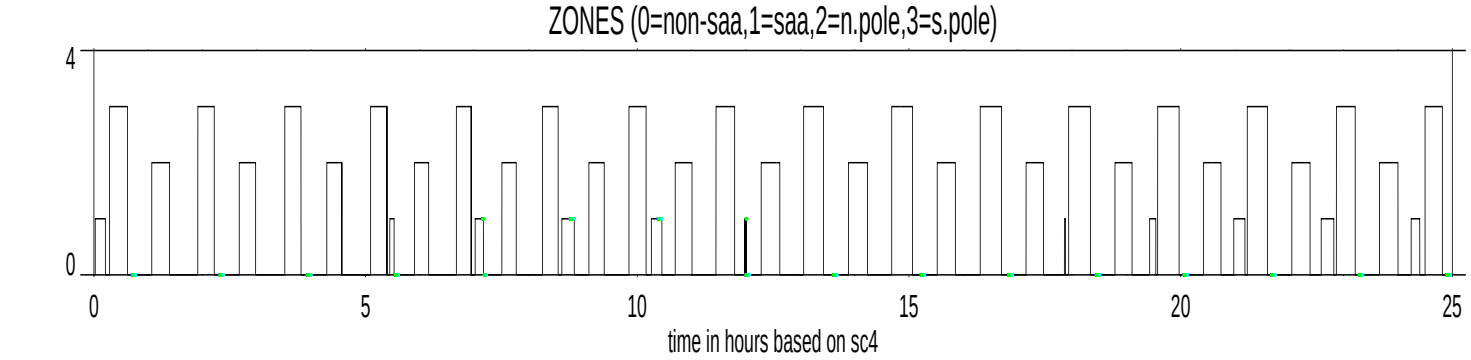
SEE_MU Operational Mode 2018026

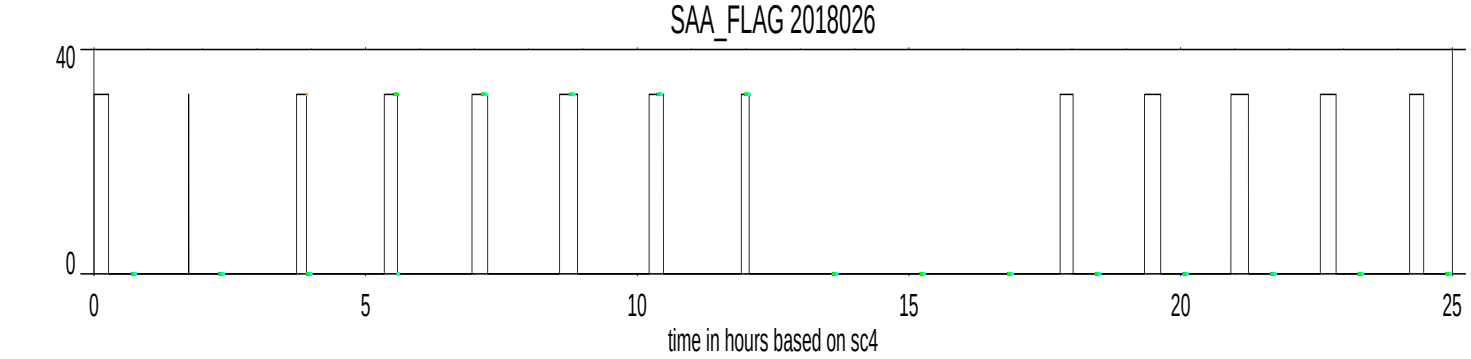


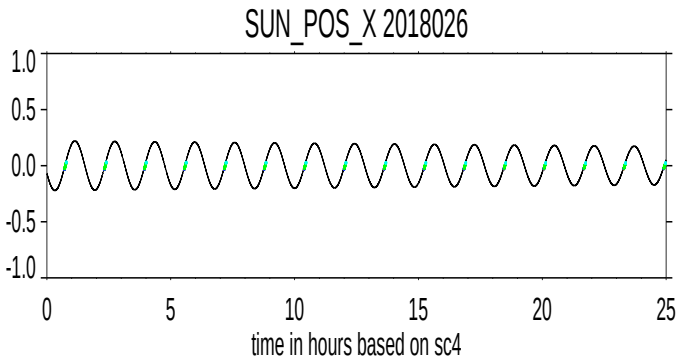

INTERNAL ERROR 2018026
16
8
0
0
5
10
15
20
25
time in hours based on sc4

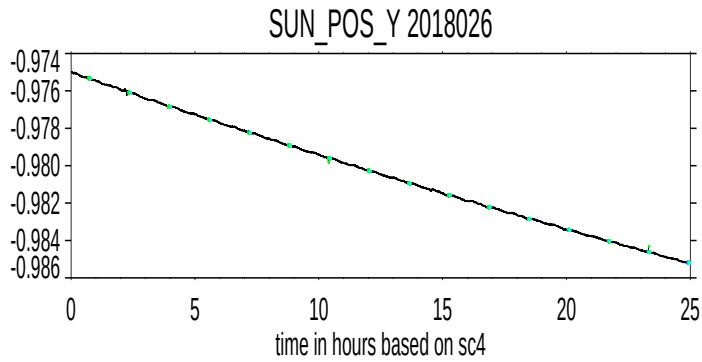

ERRORS 2018026
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

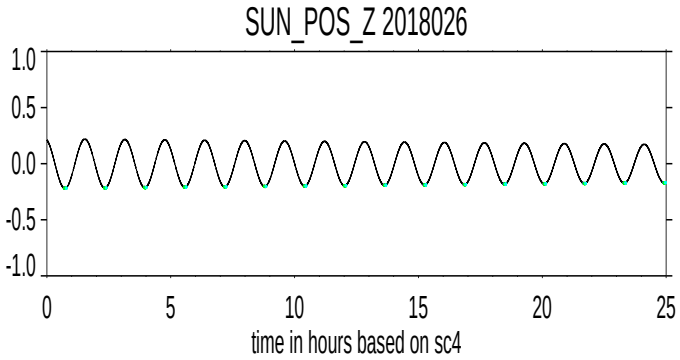

ODC STATUS 2018026
2
1
0
0
5
10
15
20
25
time in hours based on sc4

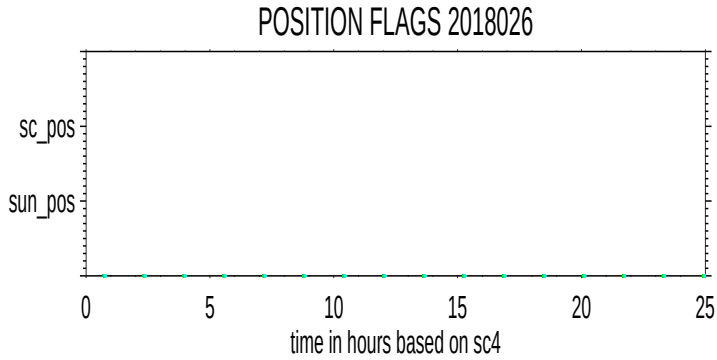

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

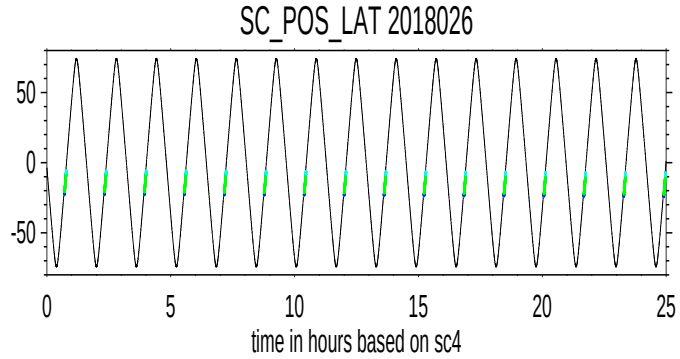

SAA_FLAG 2018026
40
0
0
5
10
15
20
25
time in hours based on sc4

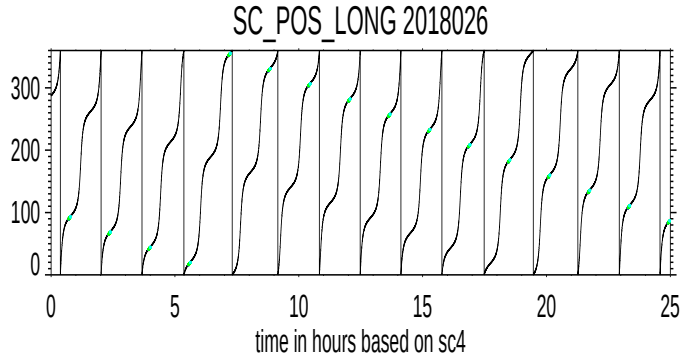

SUN_POS_X 2018026
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

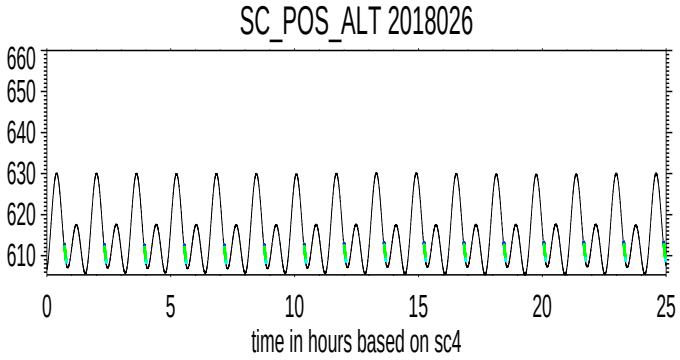

SUN_POS_Y 2018026
-0.974
-0.976
-0.978
-0.980
-0.982
-0.984
-0.986
0
5
10
15
20
25
time in hours based on sc4

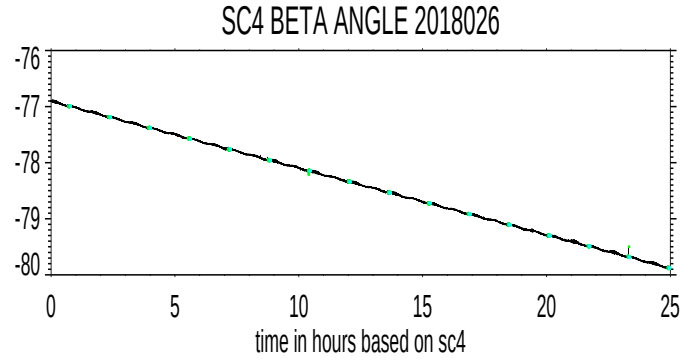

SUN_POS_Z 2018026
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2018026
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2018026
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2018026
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2018026
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2018026
-76
-77
-78
-79
-80
0
5
10
15
20
25
time in hours based on sc4