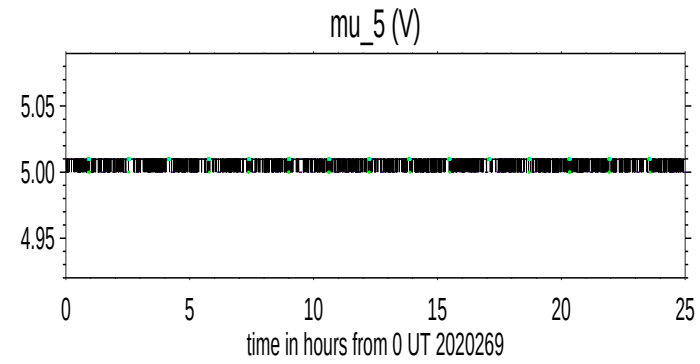
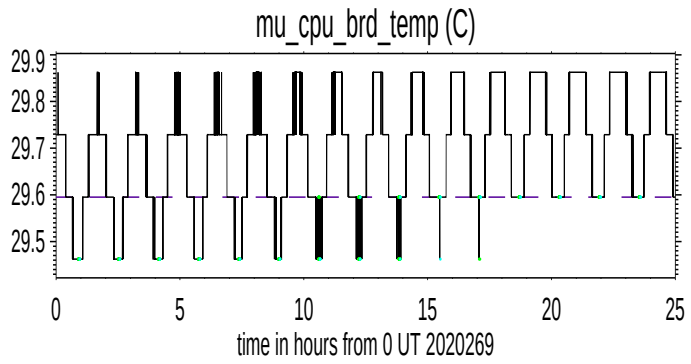
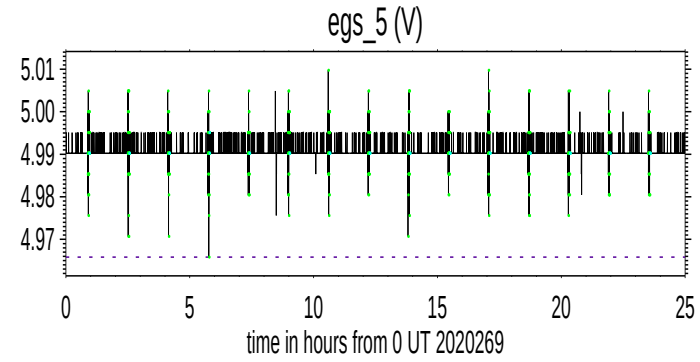
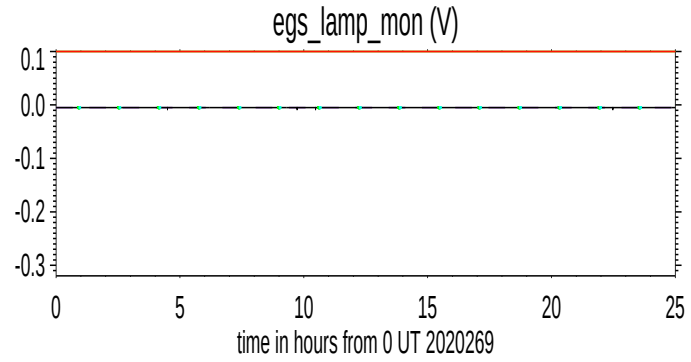
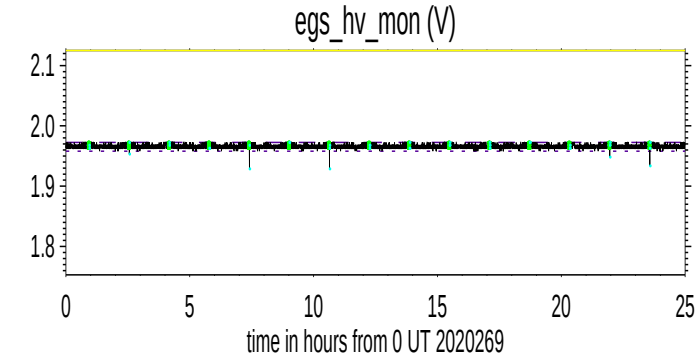
```
Information for      2020269
11:58:11.376: hk: 9 cmd pkt accepted   cmd = ODCs Loaded
11:58:26.376: hk: 9 cmd pkt accepted   cmd = ODCs Loaded
```

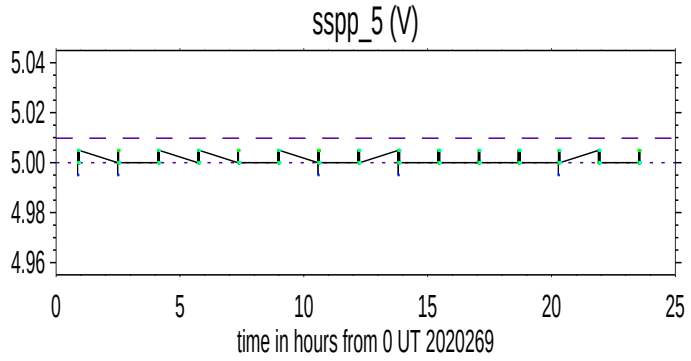

mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2020269

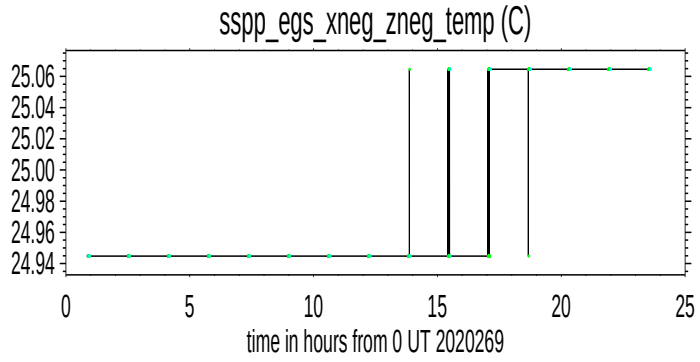

mu_cpu_brd_temp (C)
29.9
29.8
29.7
29.6
29.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

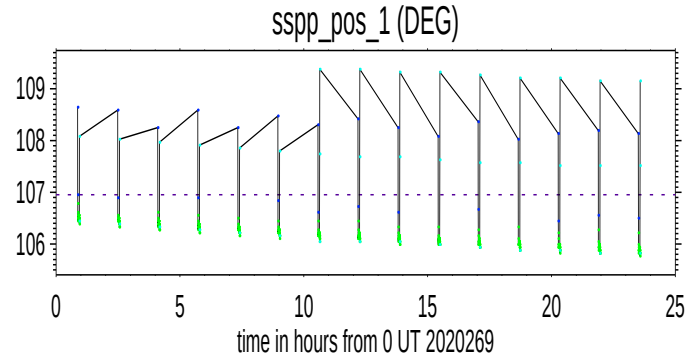

egs_5 (V)
5.01
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2020269

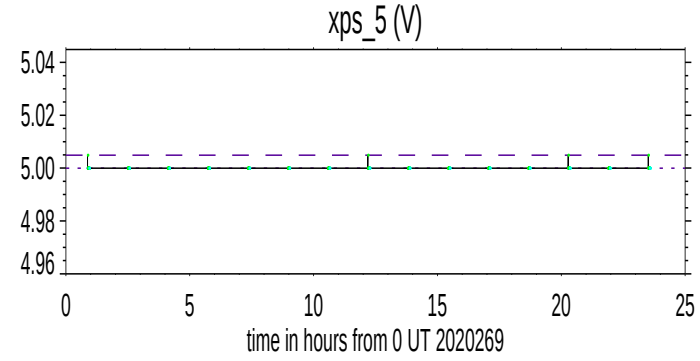

egs_lamp_mon (V)
0.1
0.0
-0.1
-0.2
-0.3
0
5
10
15
20
25
time in hours from 0 UT 2020269

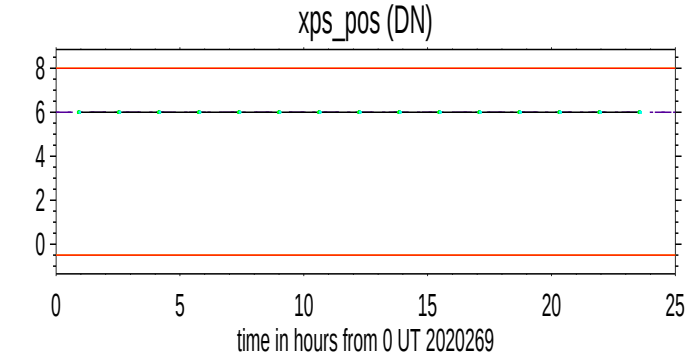

egs_hv_mon (V)
2.1
2.0
1.9
1.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

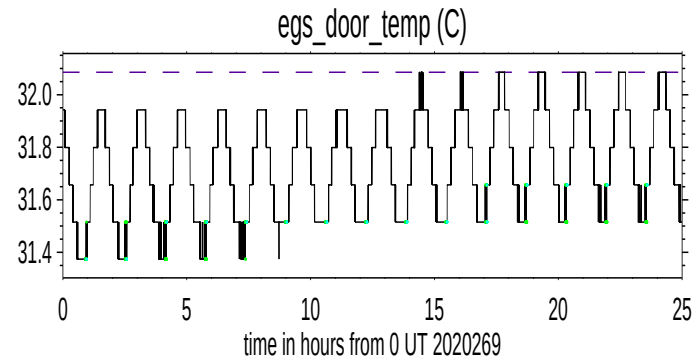

sspp_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020269

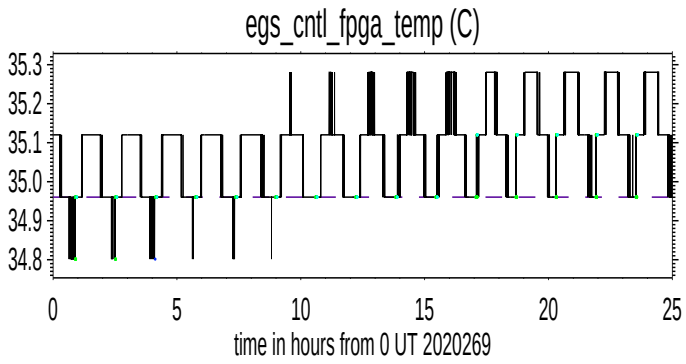

sspp_egs_xneg_zneg_temp (C)
25.06
25.04
25.02
25.00
24.98
24.96
24.94
0
5
10
15
20
25
time in hours from 0 UT 2020269

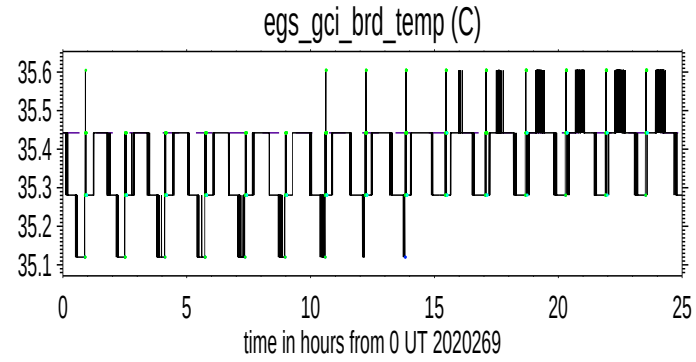

sspp_pos_1 (DEG)
109
108
107
106
0
5
10
15
20
25
time in hours from 0 UT 2020269

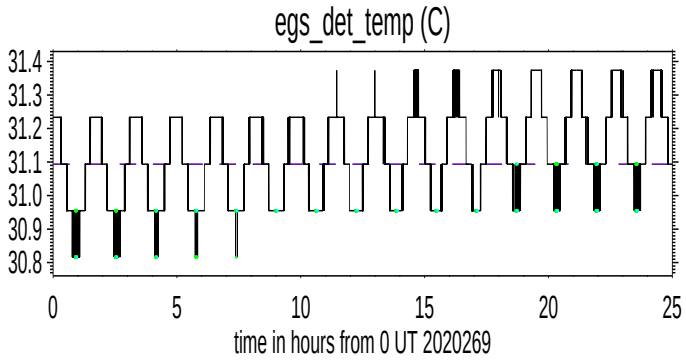

xps_5 (V)
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2020269

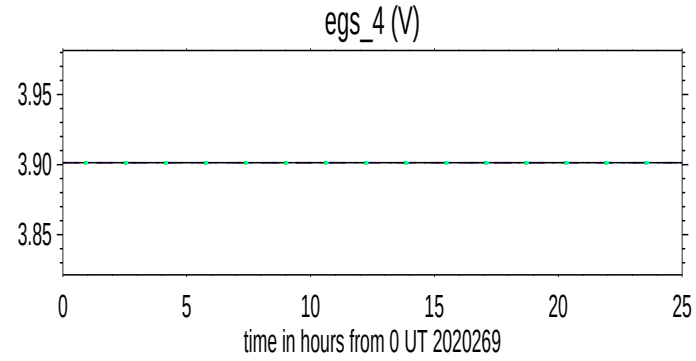

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2020269

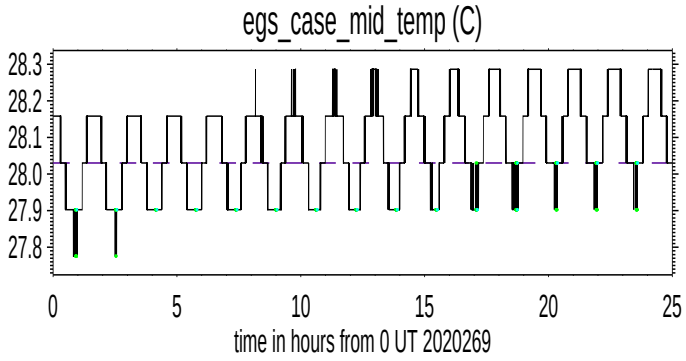

egs_door_temp (C)
32.0
31.8
31.6
31.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

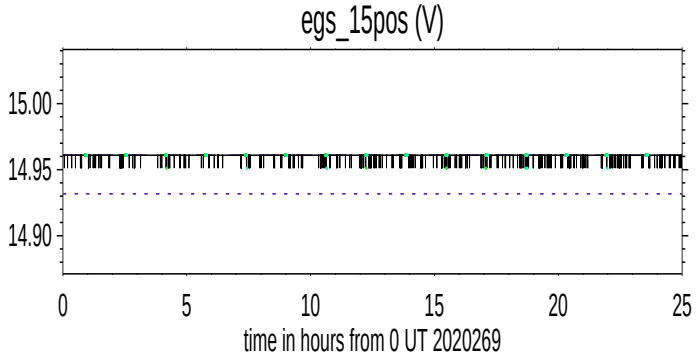

egs_cntl_fpga_temp (C)
35.3
35.2
35.1
35.0
34.9
34.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

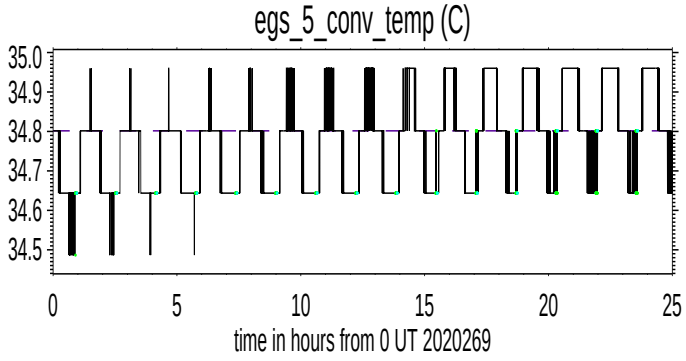

egs_gci_brd_temp (C)
35.6
35.5
35.4
35.3
35.2
35.1
0
5
10
15
20
25
time in hours from 0 UT 2020269

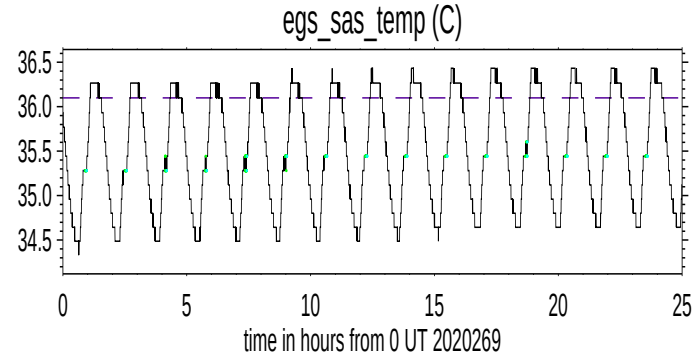

egs_det_temp (C)
31.4
31.3
31.2
31.1
31.0
30.9
30.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

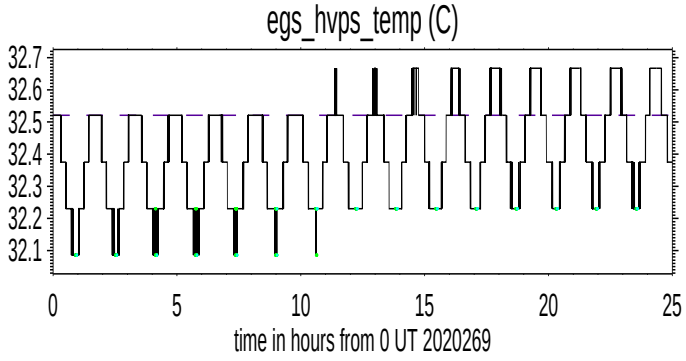

egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020269

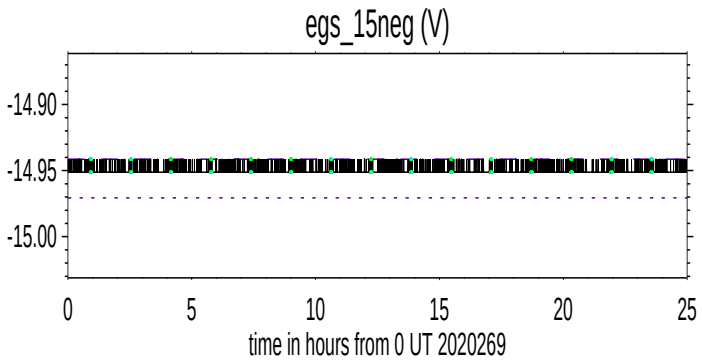

egs_case_mid_temp (C)
28.3
28.2
28.1
28.0
27.9
27.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

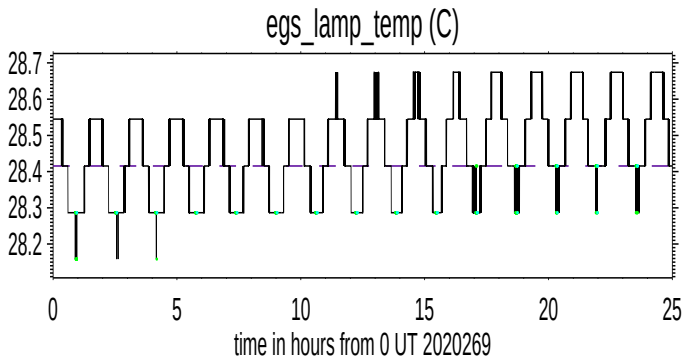

egs_15pos (V)
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020269

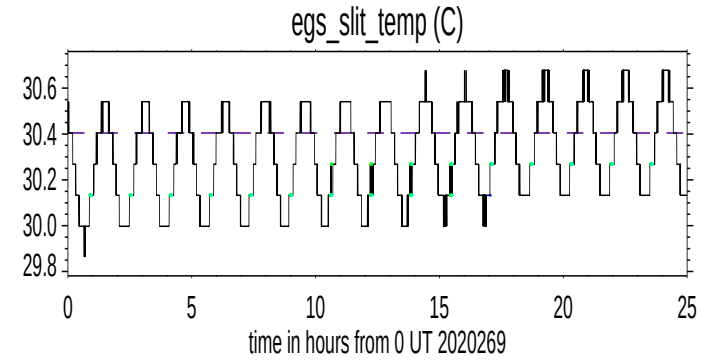

egs_5_conv_temp (C)
35.0
34.9
34.8
34.7
34.6
34.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

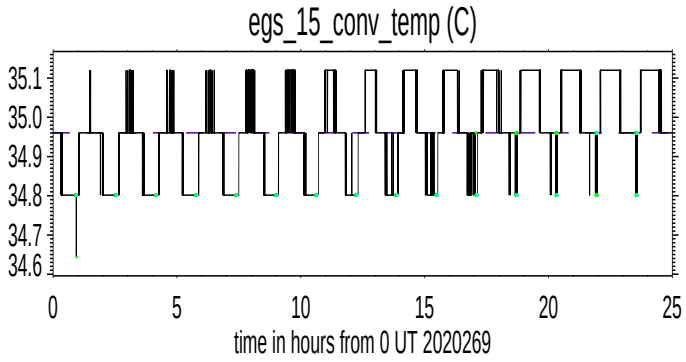

egs_sas_temp (C)
36.5
36.0
35.5
35.0
34.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

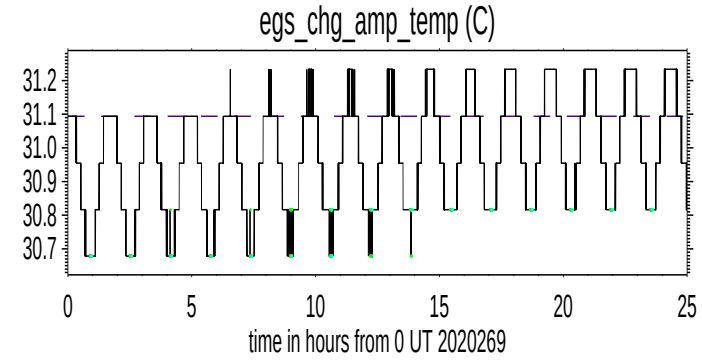

egs_hvps_temp (C)
32.7
32.6
32.5
32.4
32.3
32.2
32.1
0
5
10
15
20
25
time in hours from 0 UT 2020269

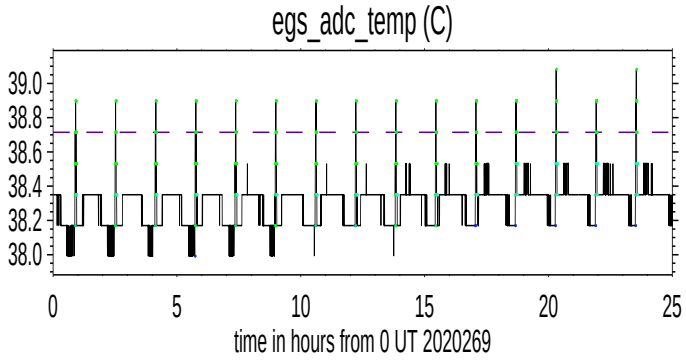

egs_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020269

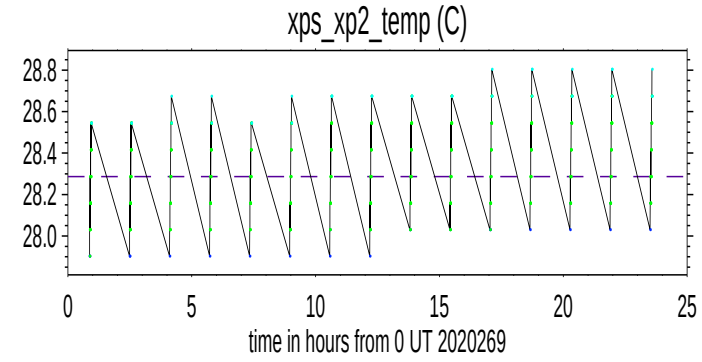

egs_lamp_temp (C)
28.7
28.6
28.5
28.4
28.3
28.2
0
5
10
15
20
25
time in hours from 0 UT 2020269

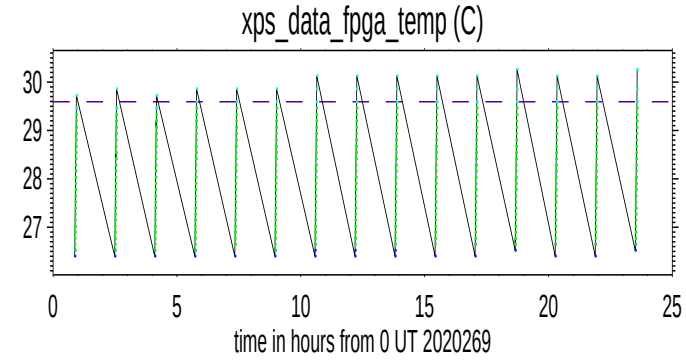

egs_slit_temp (C)
30.6
30.4
30.2
30.0
29.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

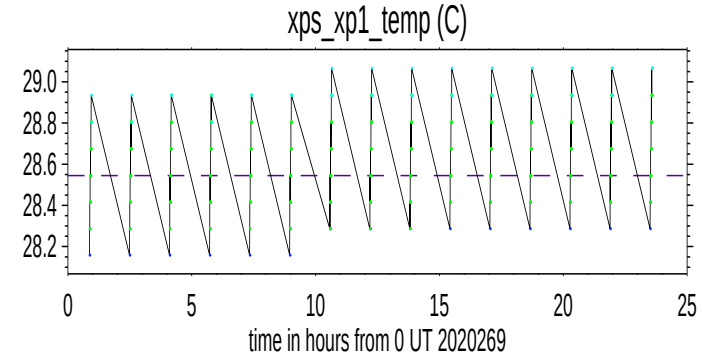

egs_15_conv_temp (C)
35.1
35.0
34.9
34.8
34.7
34.6
0
5
10
15
20
25
time in hours from 0 UT 2020269

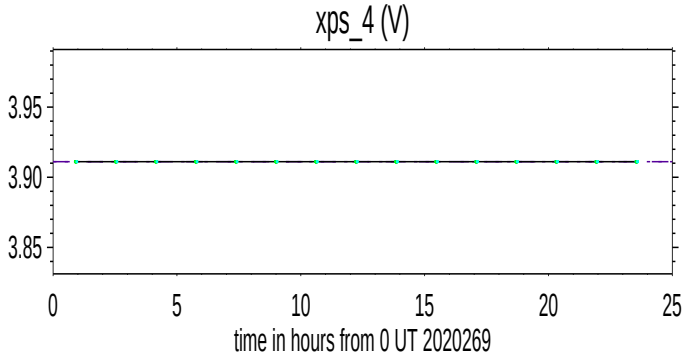

egs_chg_amp_temp (C)
31.2
31.1
31.0
30.9
30.8
30.7
0
5
10
15
20
25
time in hours from 0 UT 2020269

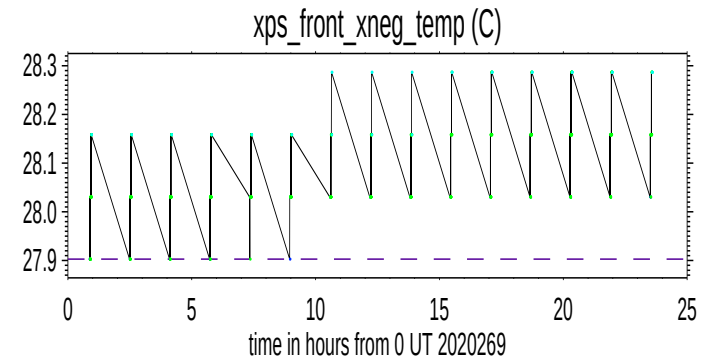

egs_adc_temp (C)
39.0
38.8
38.6
38.4
38.2
38.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

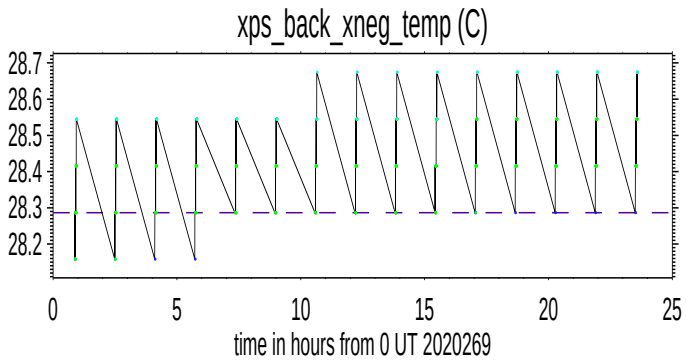

xps_xp2_temp (C)
28.8
28.6
28.4
28.2
28.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

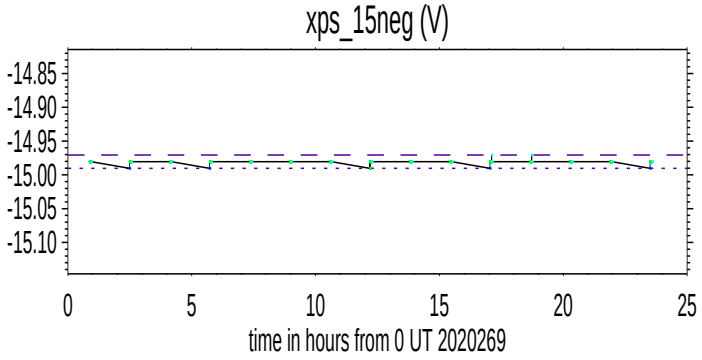

xps_data_fpga_temp (C)
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2020269

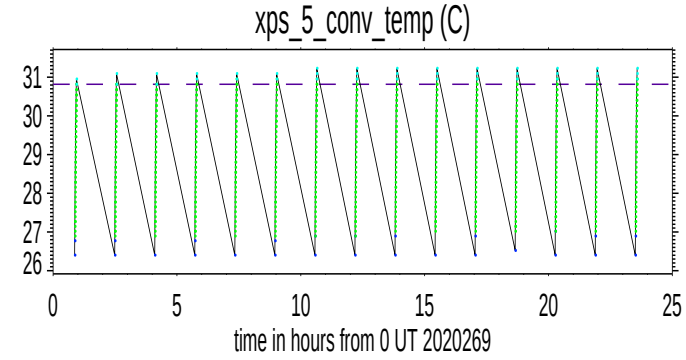

xps_xp1_temp (C)
29.0
28.8
28.6
28.4
28.2
0
5
10
15
20
25
time in hours from 0 UT 2020269

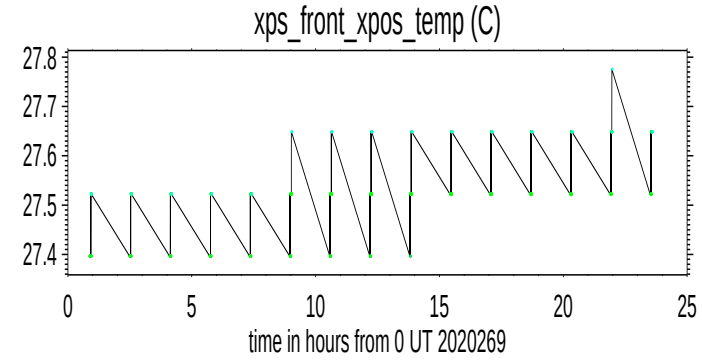

xps_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020269

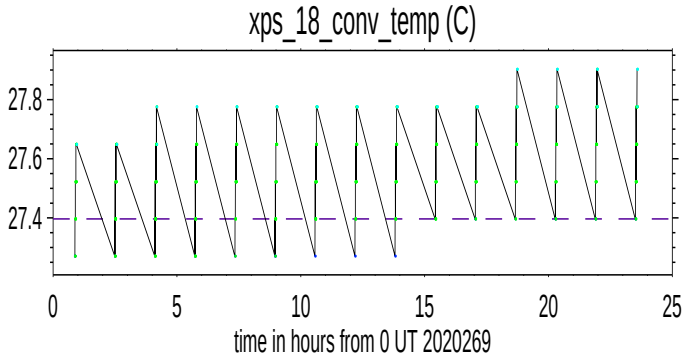

xps_front_xneg_temp (C)
28.3
28.2
28.1
28.0
27.9
0
5
10
15
20
25
time in hours from 0 UT 2020269

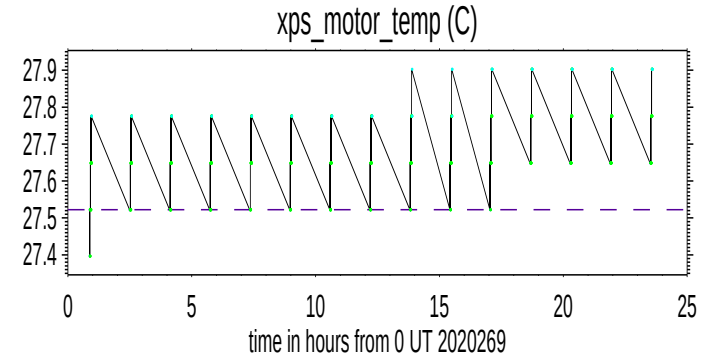

xps_back_xneg_temp (C)
28.7
28.6
28.5
28.4
28.3
28.2
0
5
10
15
20
25
time in hours from 0 UT 2020269

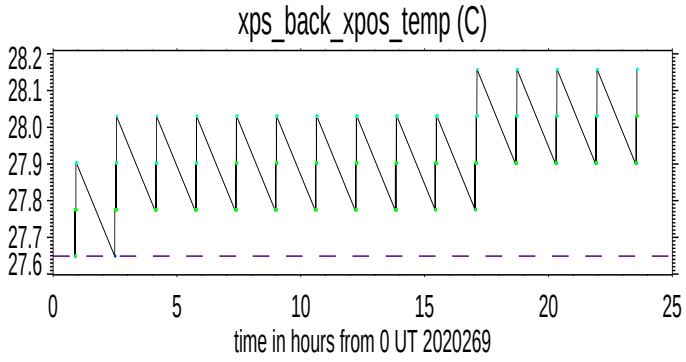

xps_15neg (V)
-14.85
-14.90
-14.95
-15.00
-15.05
-15.10
0
5
10
15
20
25
time in hours from 0 UT 2020269

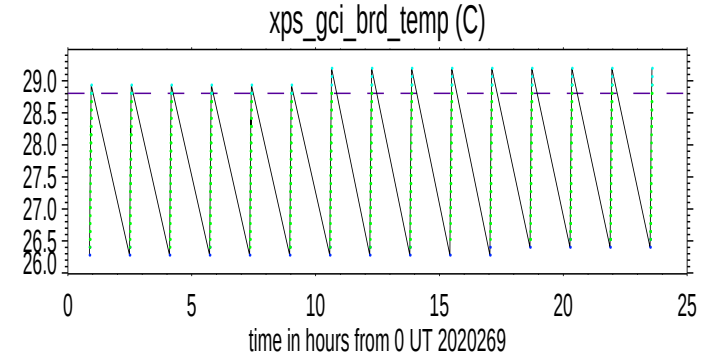

xps_5_conv_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020269

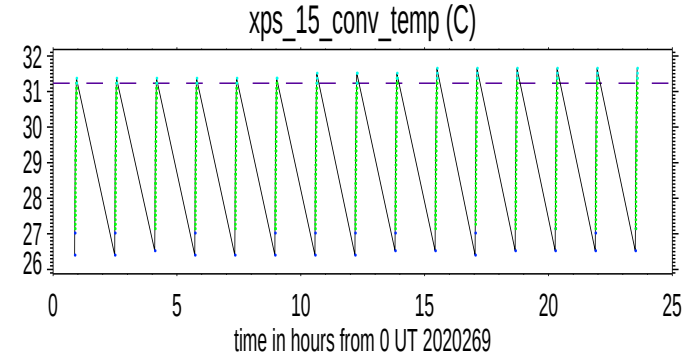

xps_front_xpos_temp (C)
27.8
27.7
27.6
27.5
27.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

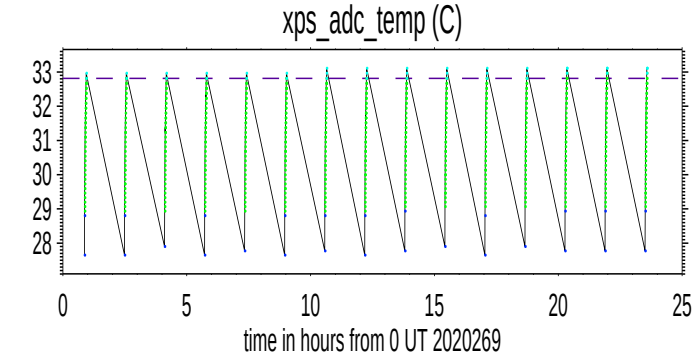

xps_18_conv_temp (C)
27.8
27.6
27.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

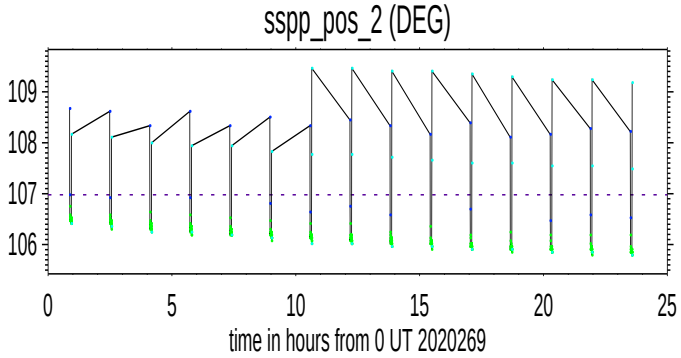

xps_motor_temp (C)
27.9
27.8
27.7
27.6
27.5
27.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

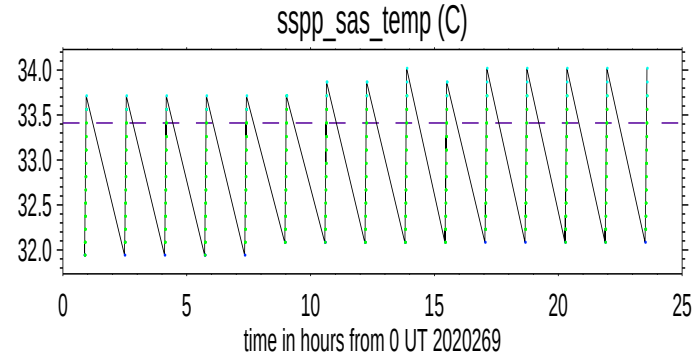

xps_back_xpos_temp (C)
28.2
28.1
28.0
27.9
27.8
27.7
27.6
0
5
10
15
20
25
time in hours from 0 UT 2020269

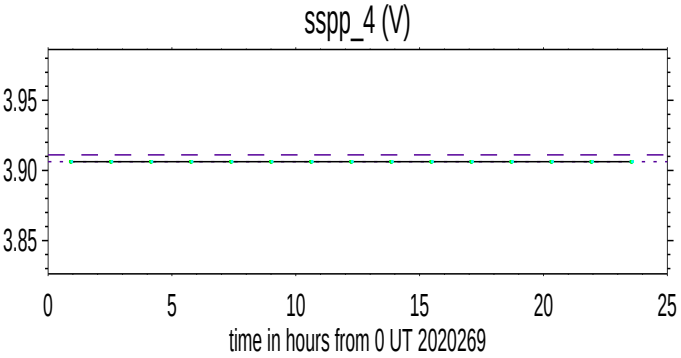

xps_gci_brd_temp (C)
29.0
28.5
28.0
27.5
27.0
26.5
26.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

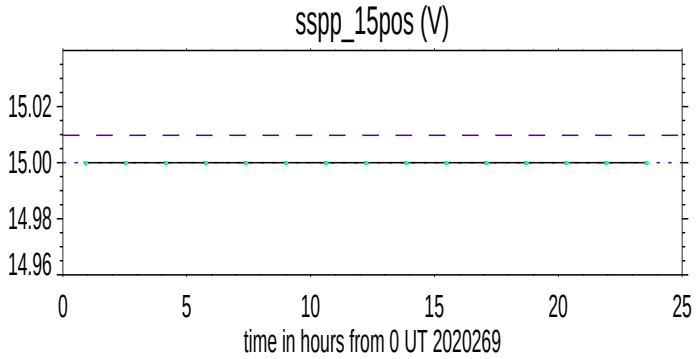

xps_15_conv_temp (C)
32
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020269

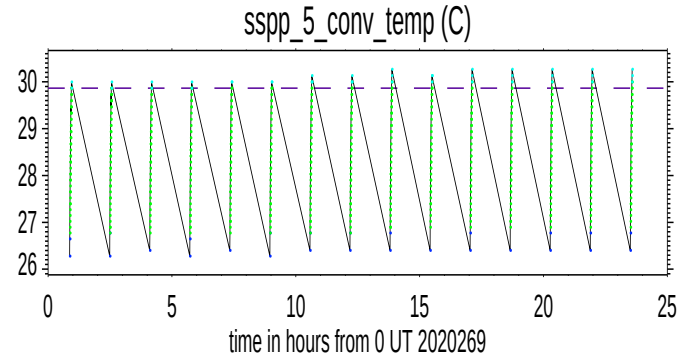

xps_adc_temp (C)
33
32
31
30
29
28
0
5
10
15
20
25
time in hours from 0 UT 2020269

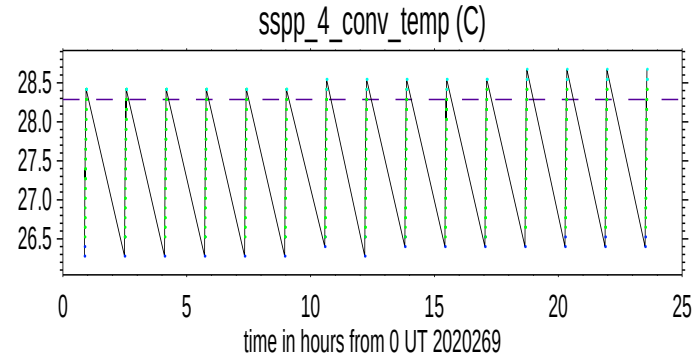

sspp_pos_2 (DEG)
109
108
107
106
0
5
10
15
20
25
time in hours from 0 UT 2020269

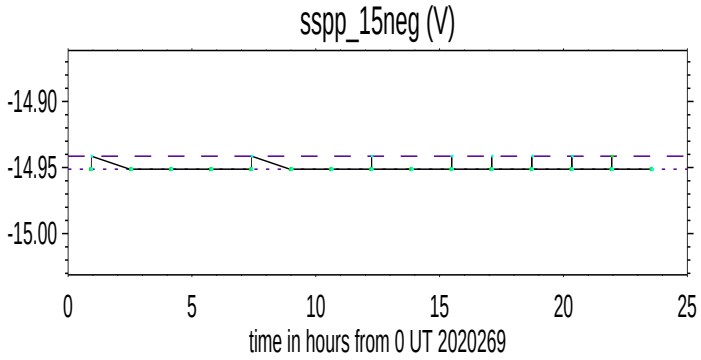

sspp_sas_temp (C)
34.0
33.5
33.0
32.5
32.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

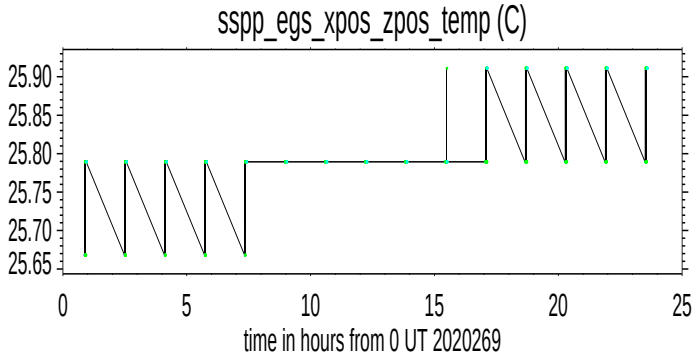

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020269

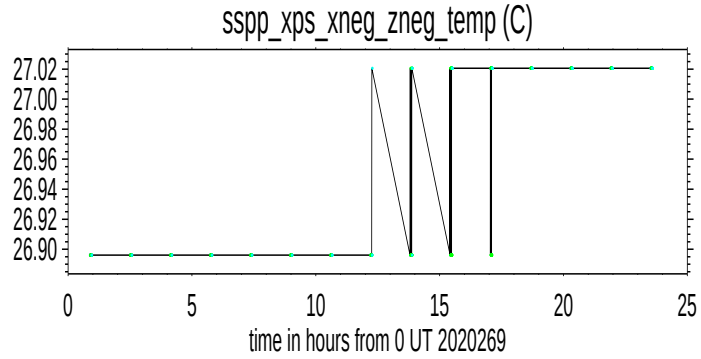

sspp_15pos (V)
15.02
15.00
14.98
14.96
0
5
10
15
20
25
time in hours from 0 UT 2020269

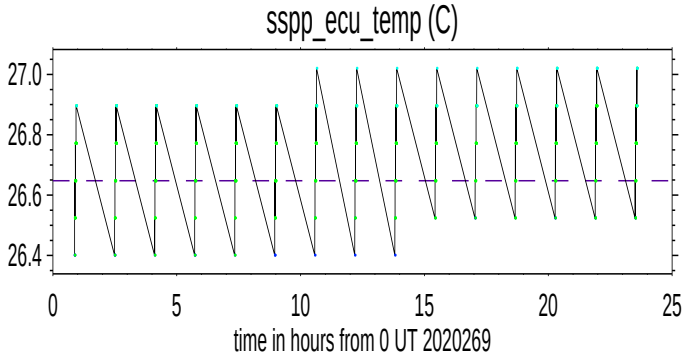

sspp_5_conv_temp (C)
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020269

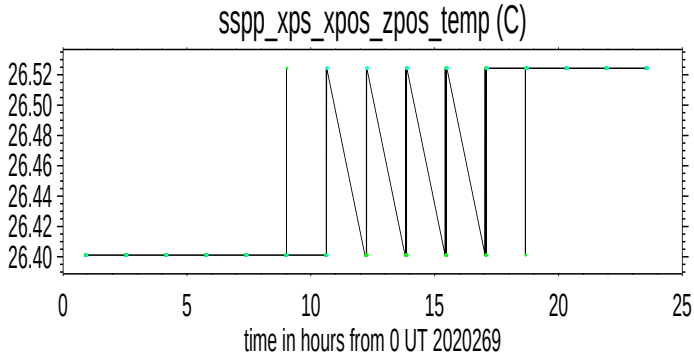

sspp_4_conv_temp (C)
28.5
28.0
27.5
27.0
26.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

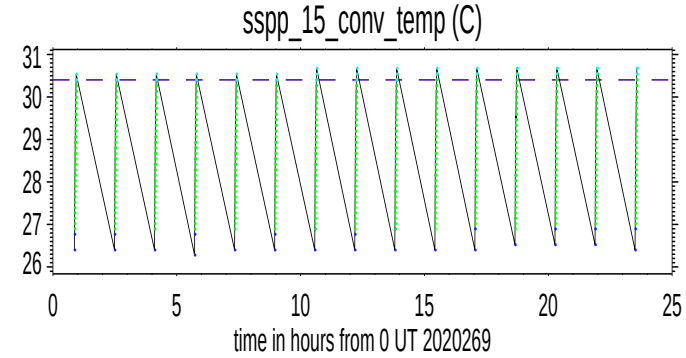

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020269

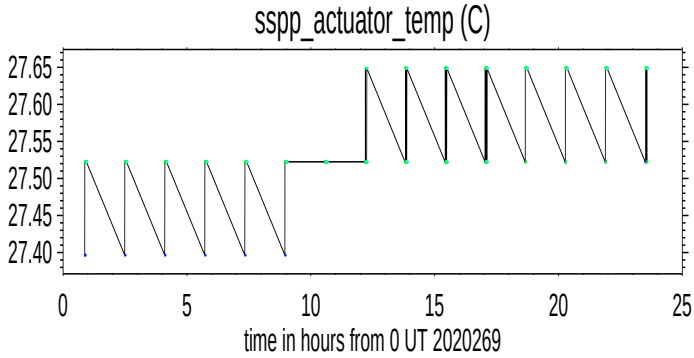

sspp_egs_xpos_zpos_temp (C)
25.90
25.85
25.80
25.75
25.70
25.65
0
5
10
15
20
25
time in hours from 0 UT 2020269

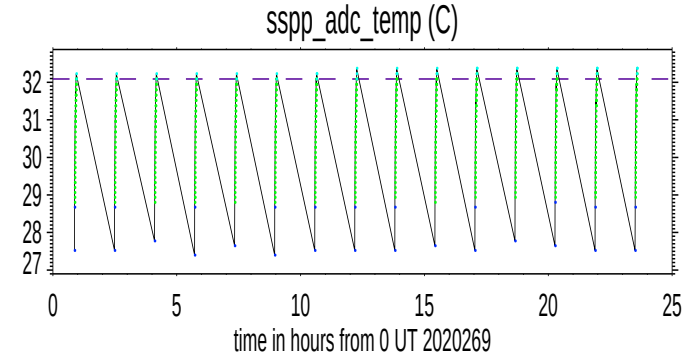

sspp_xps_xneg_zneg_temp (C)
27.02
27.00
26.98
26.96
26.94
26.92
26.90
0
5
10
15
20
25
time in hours from 0 UT 2020269

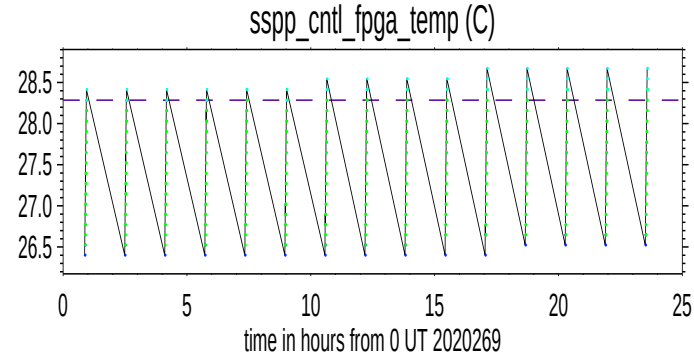

sspp_ecu_temp (C)
27.0
26.8
26.6
26.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

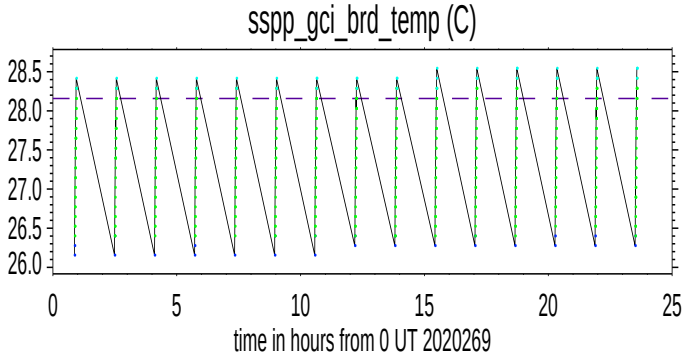

sspp_xps_xpos_zpos_temp (C)
26.52
26.50
26.48
26.46
26.44
26.42
26.40
0
5
10
15
20
25
time in hours from 0 UT 2020269

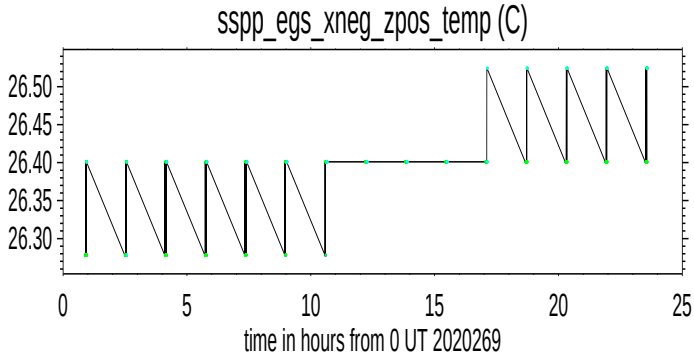

sspp_15_conv_temp (C)
31
30
29
28
27
26
0
5
10
15
20
25
time in hours from 0 UT 2020269

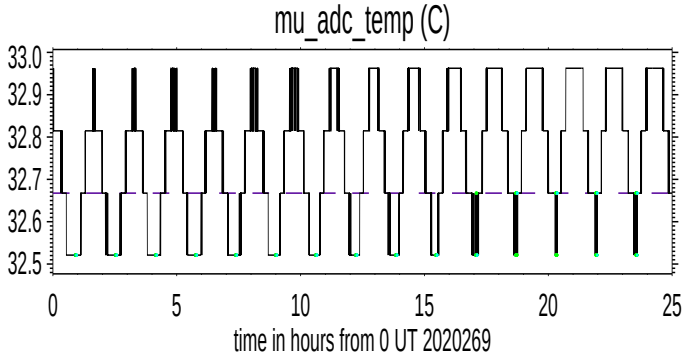

sspp_actuator_temp (C)
27.65
27.60
27.55
27.50
27.45
27.40
0
5
10
15
20
25
time in hours from 0 UT 2020269

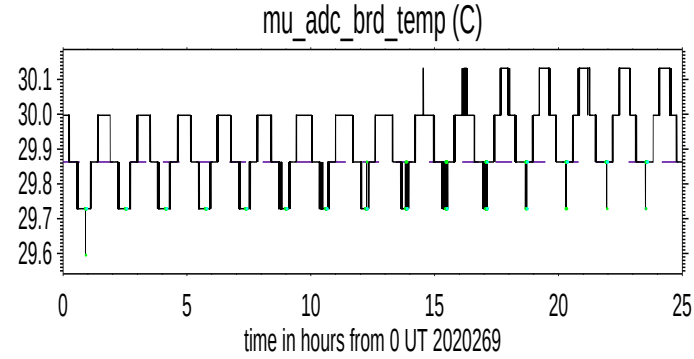

sspp_adc_temp (C)
32
31
30
29
28
27
0
5
10
15
20
25
time in hours from 0 UT 2020269

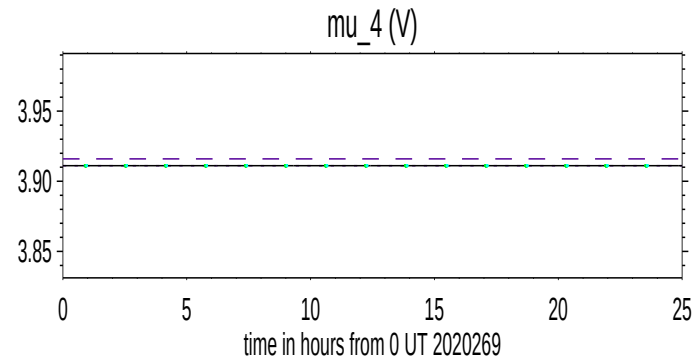

sspp_cntl_fpga_temp (C)
28.5
28.0
27.5
27.0
26.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

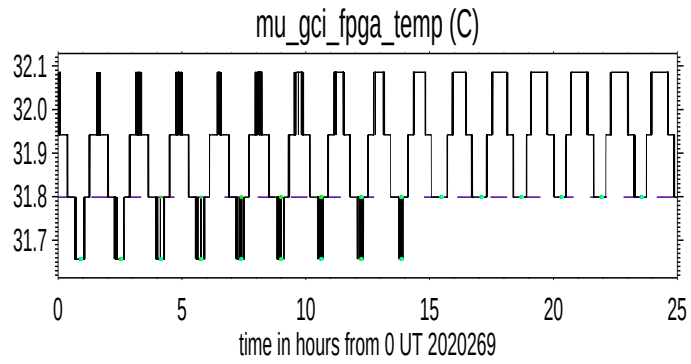

sspp_gci_brd_temp (C)
28.5
28.0
27.5
27.0
26.5
26.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

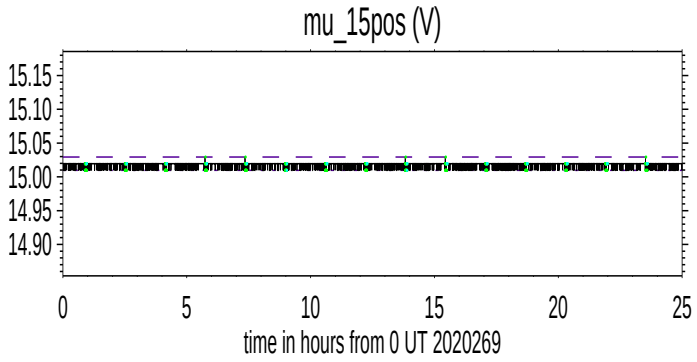

sspp_egs_xneg_zpos_temp (C)
26.50
26.45
26.40
26.35
26.30
0
5
10
15
20
25
time in hours from 0 UT 2020269

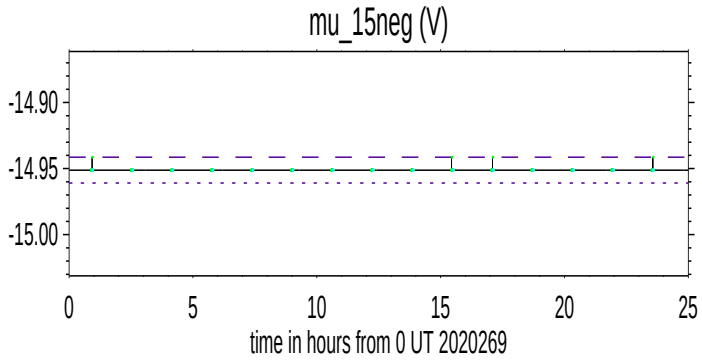

mu_adc_temp (C)
33.0
32.9
32.8
32.7
32.6
32.5
0
5
10
15
20
25
time in hours from 0 UT 2020269

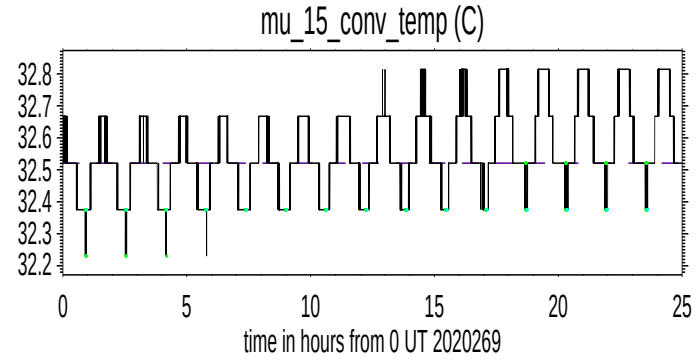

mu_adc_brd_temp (C)
30.1
30.0
29.9
29.8
29.7
29.6
0
5
10
15
20
25
time in hours from 0 UT 2020269

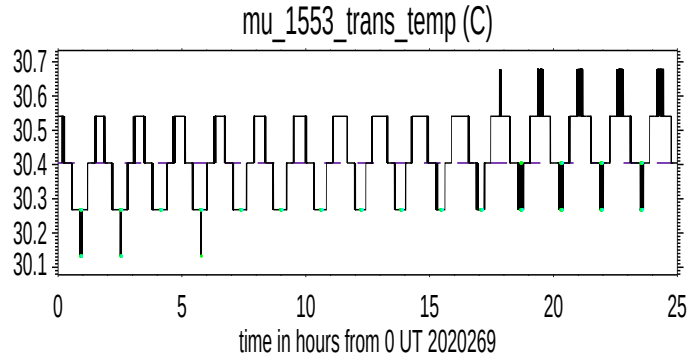

mu_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2020269

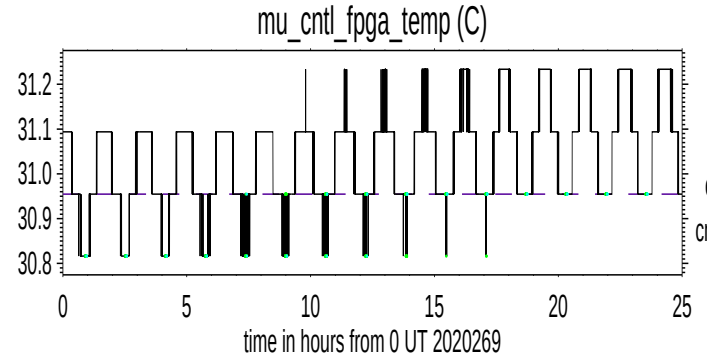

mu_gci_fpga_temp (C)
32.1
32.0
31.9
31.8
31.7
0
5
10
15
20
25
time in hours from 0 UT 2020269

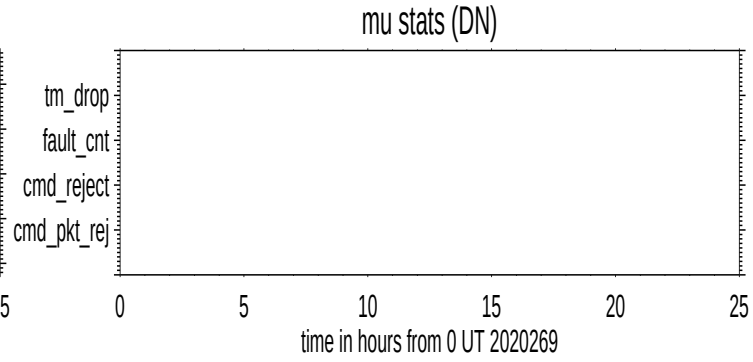

mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0
5
10
15
20
25
time in hours from 0 UT 2020269

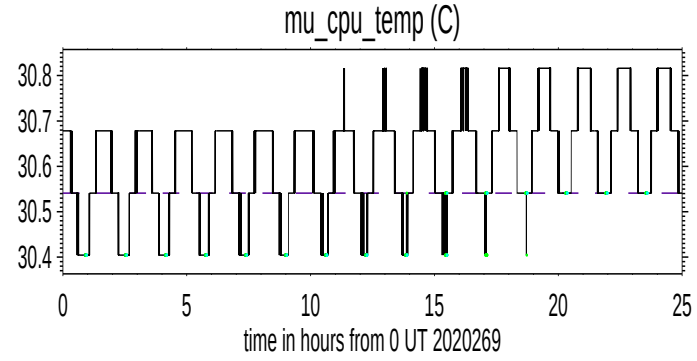

mu_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2020269

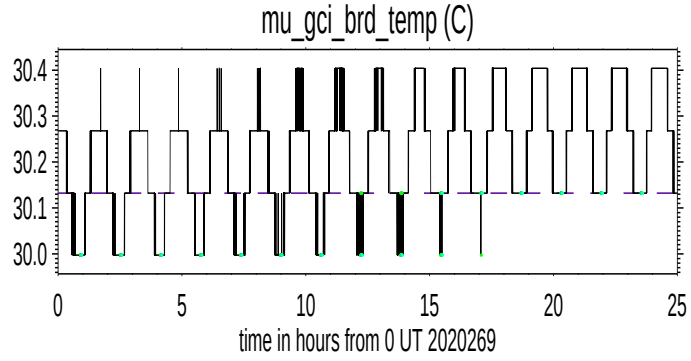

mu_15_conv_temp (C)
32.8
32.7
32.6
32.5
32.4
32.3
32.2
0
5
10
15
20
25
time in hours from 0 UT 2020269

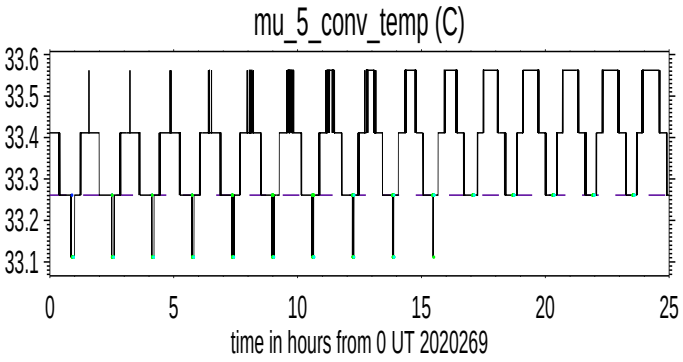

mu_1553_trans_temp (C)
30.7
30.6
30.5
30.4
30.3
30.2
30.1
0
5
10
15
20
25
time in hours from 0 UT 2020269

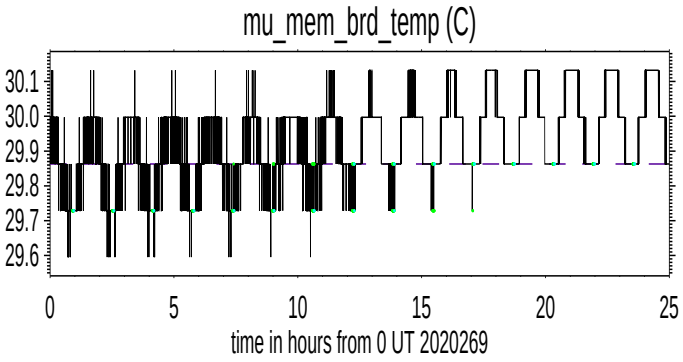

mu_cntl_fpga_temp (C)
31.2
31.1
31.0
30.9
30.8
0
5
10
15
20
25
time in hours from 0 UT 2020269

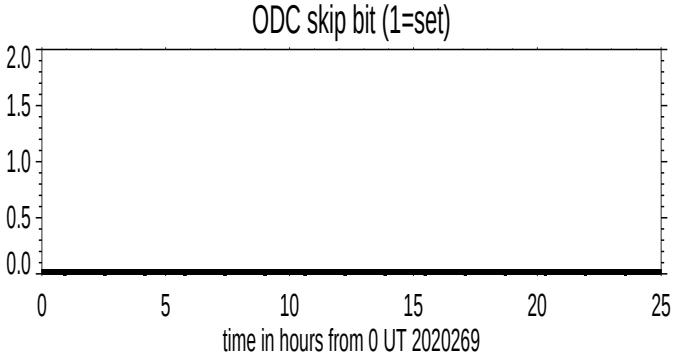

mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0
5
10
15
20
25
time in hours from 0 UT 2020269

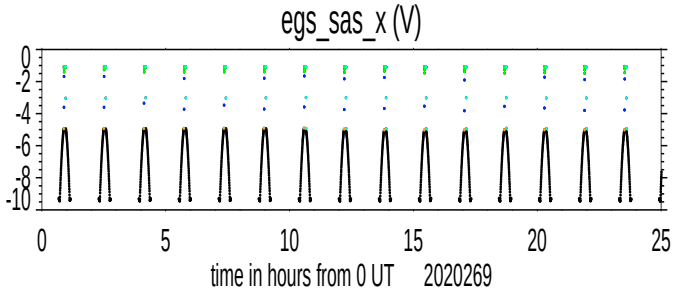

mu_cpu_temp (C)
30.8
30.7
30.6
30.5
30.4
0
5
10
15
20
25
time in hours from 0 UT 2020269

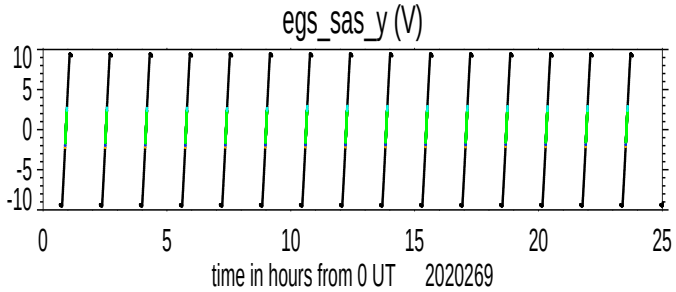

mu_gci_brd_temp (C)
30.4
30.3
30.2
30.1
30.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

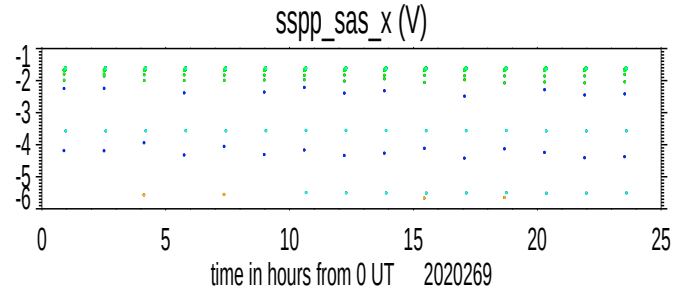

mu_5_conv_temp (C)
33.6
33.5
33.4
33.3
33.2
33.1
0
5
10
15
20
25
time in hours from 0 UT 2020269

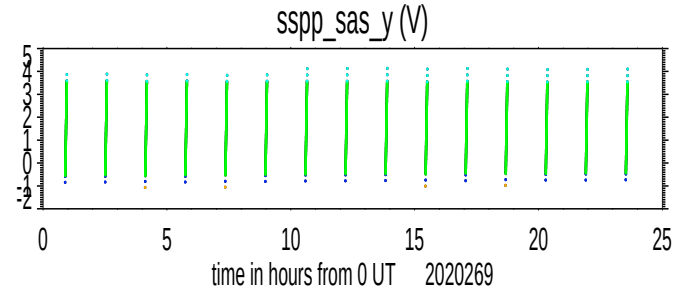

mu_mem_brd_temp (C)
30.1
30.0
29.9
29.8
29.7
29.6
0
5
10
15
20
25
time in hours from 0 UT 2020269

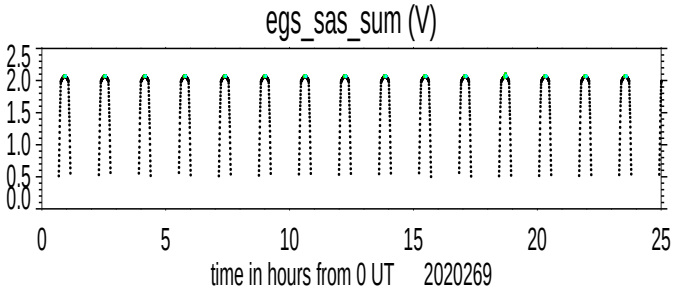

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2020269

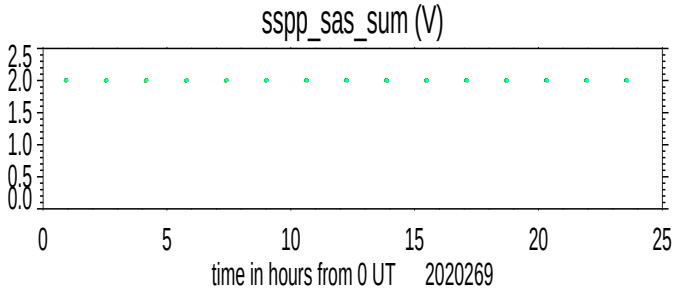

egs_sas_x (V)
time in hours from 0 UT 2020269

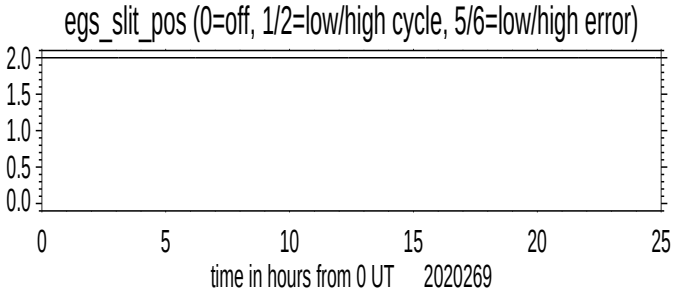

egs_sas_y (V)
time in hours from 0 UT 2020269

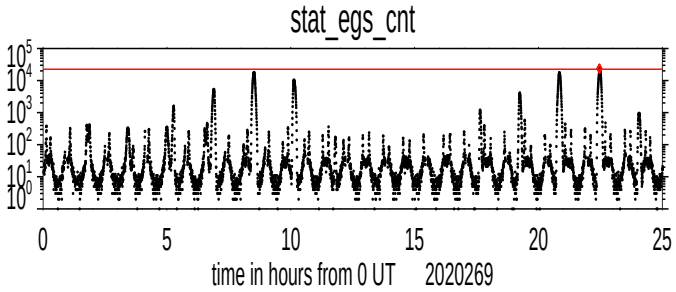

sspp_sas_x (V)
time in hours from 0 UT 2020269

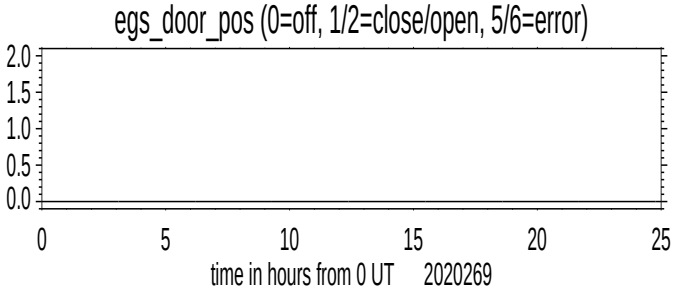

sspp_sas_y (V)
time in hours from 0 UT 2020269

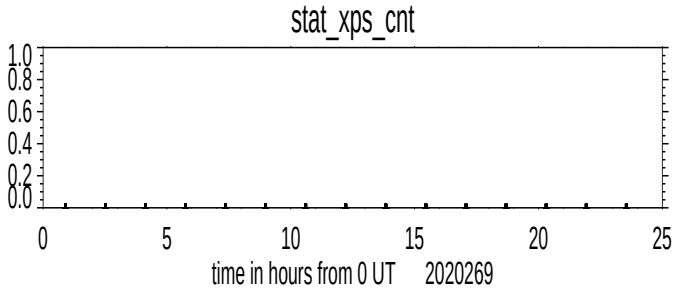

egs_sas_sum (V)
time in hours from 0 UT 2020269

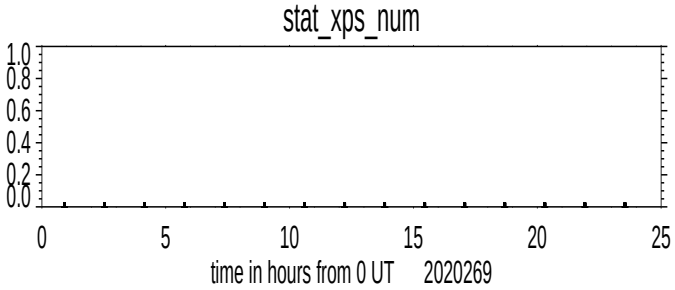

sspp_sas_sum (V)
time in hours from 0 UT 2020269

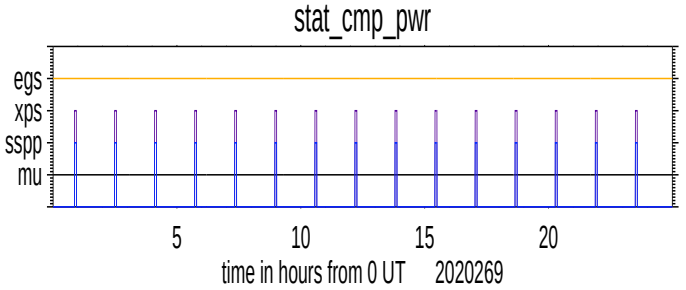

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2020269


stat_egs_cnt
time in hours from 0 UT 2020269

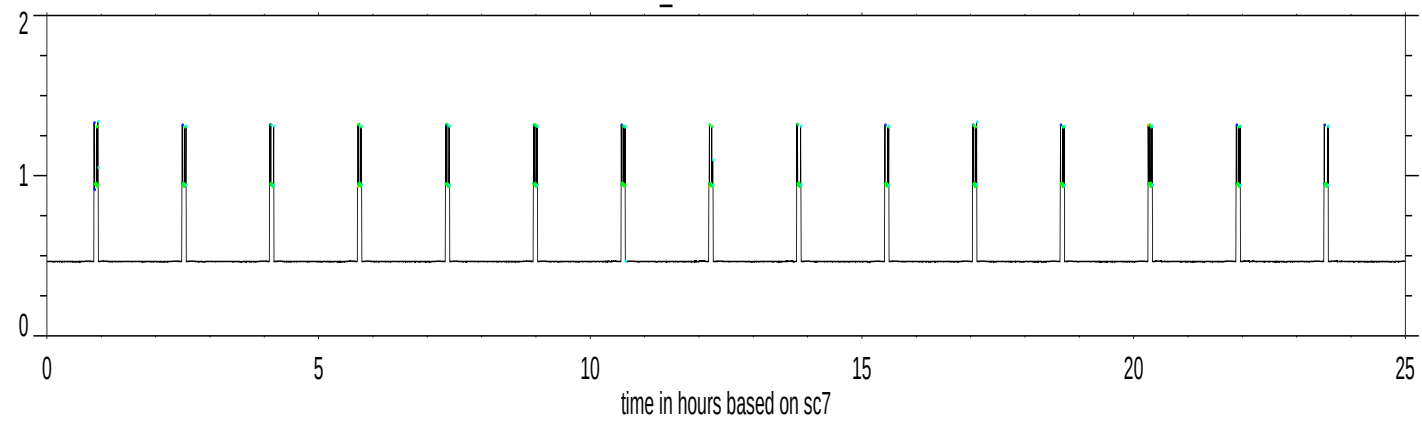

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2020269


stat_xps_cnt
time in hours from 0 UT 2020269

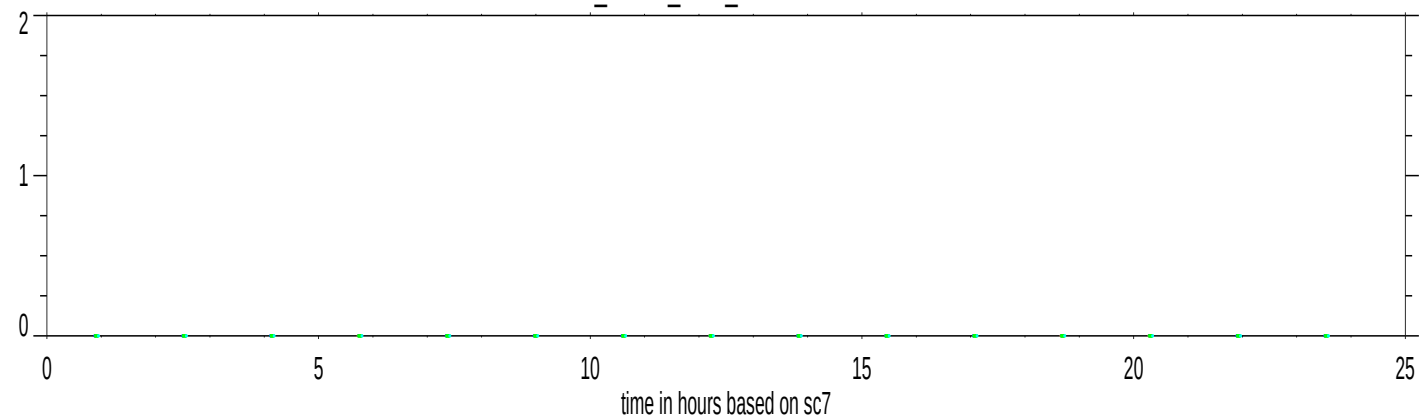

stat_xps_num
time in hours from 0 UT 2020269


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2020269

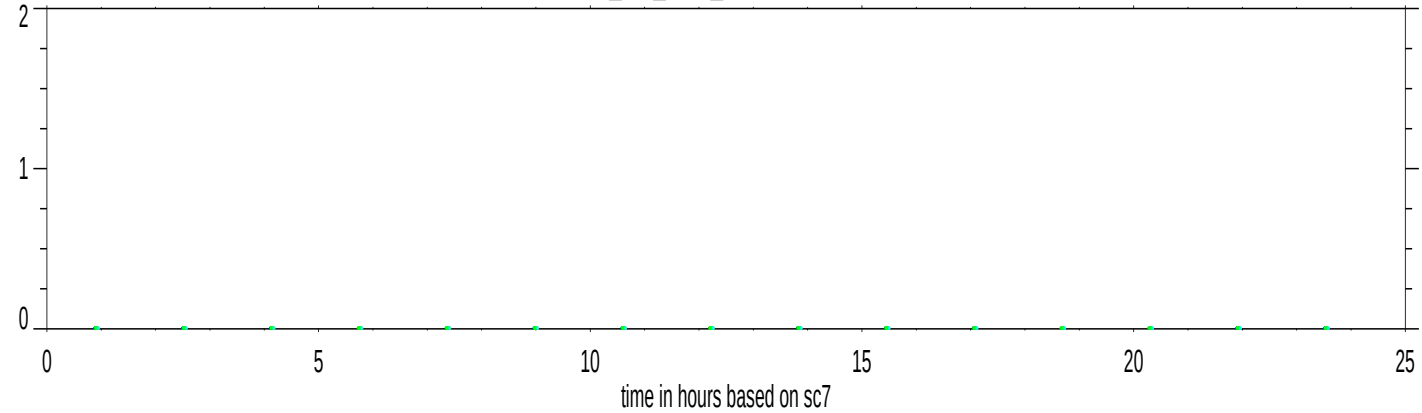
SEE_CUR 2020269



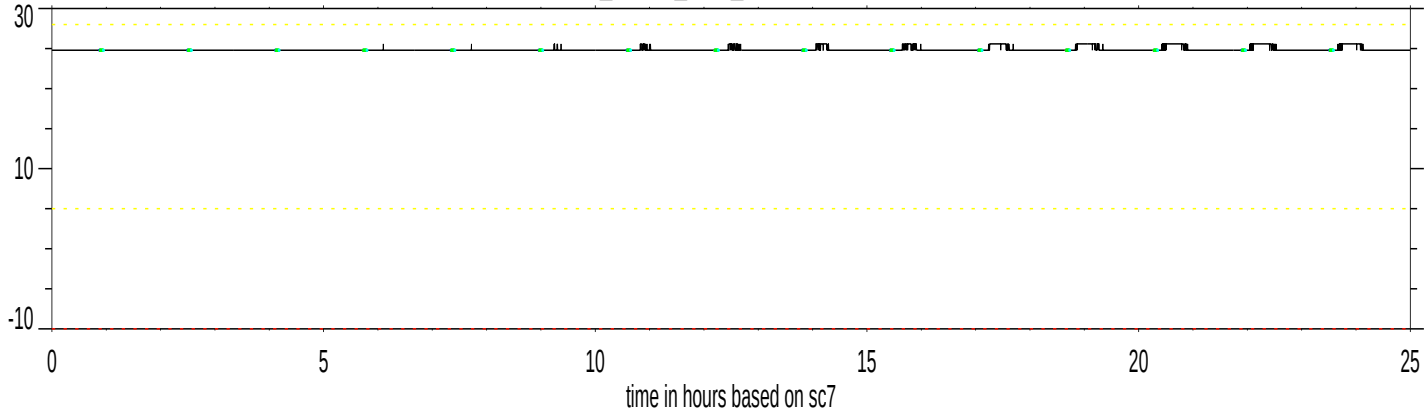
SEE_SURV_HTR_CUR 2020269



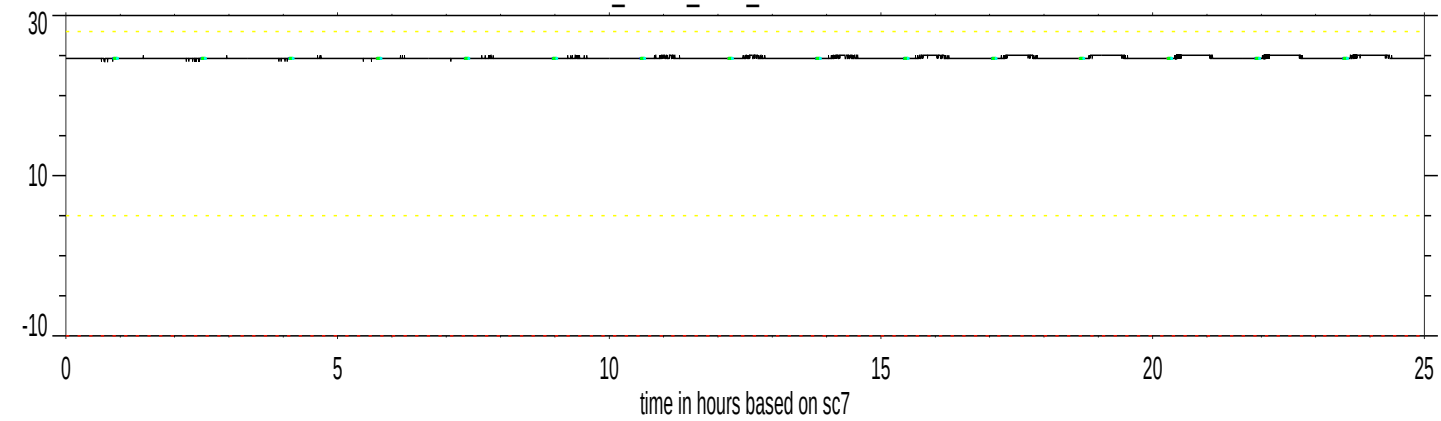
SEE_OP_HTR_CUR 2020269



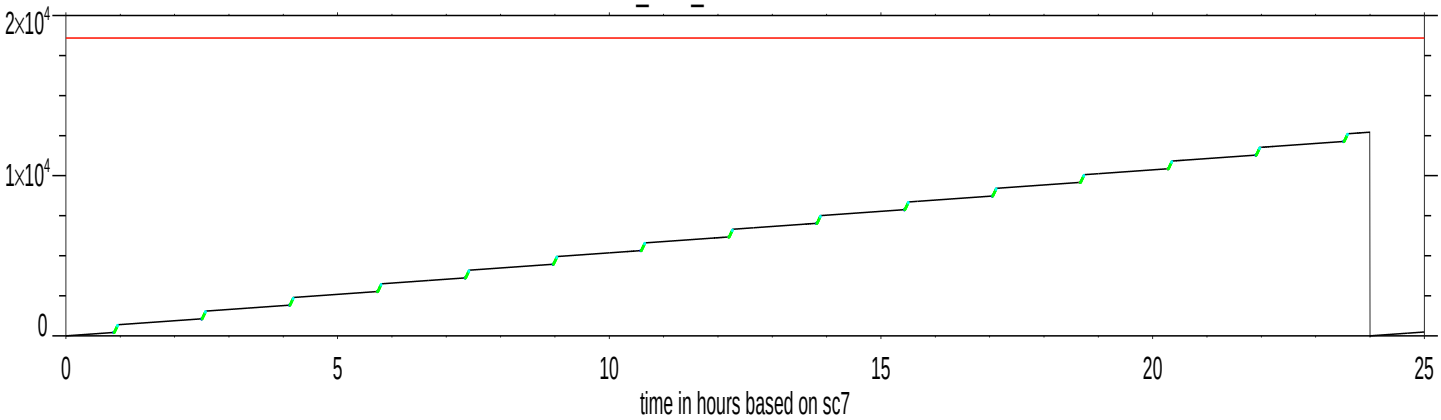
SSPP_BHND_XPS_TEMP 2020269



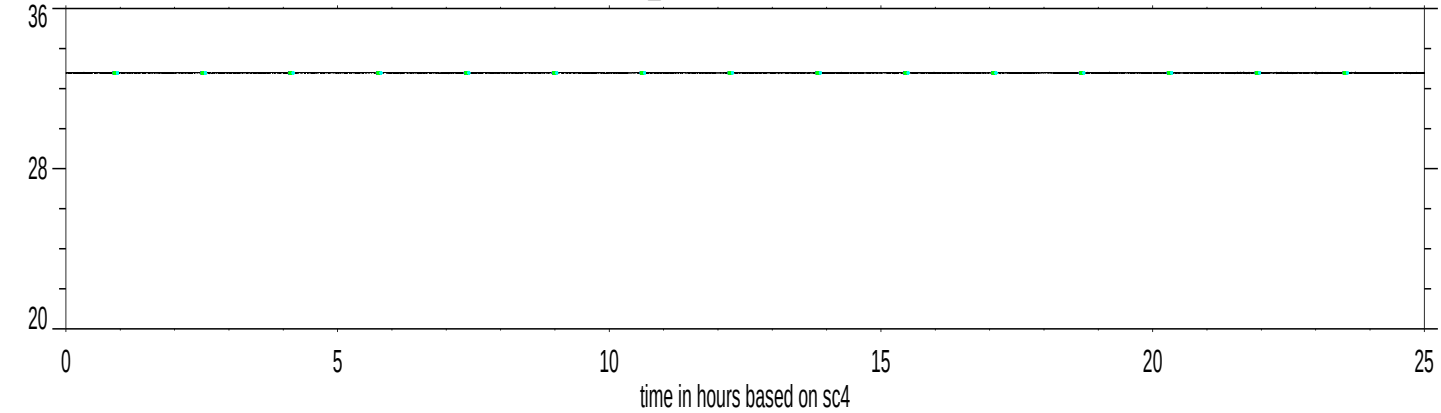
SSPP_BHND_MTR_TEMP 2020269



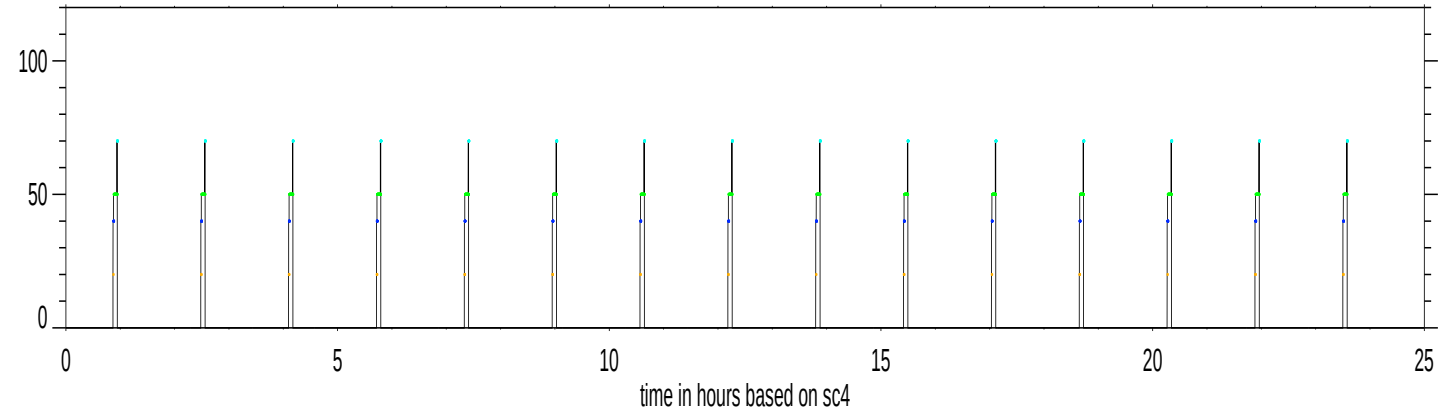
SEE_PKT_COUNT 2020269

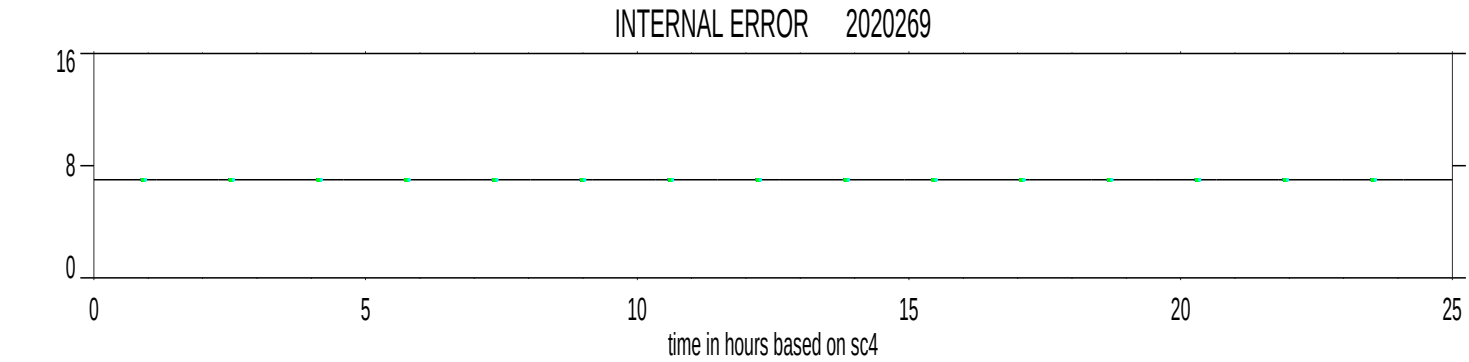


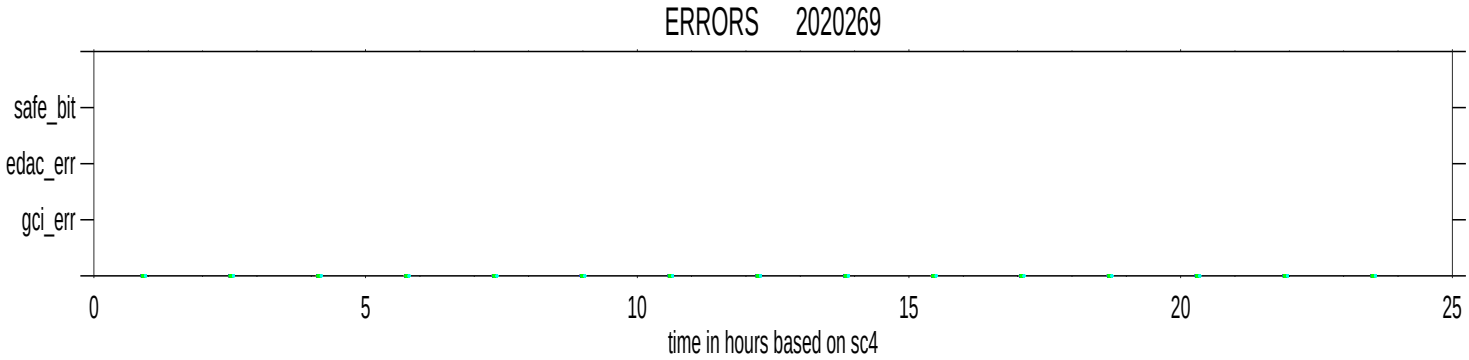
BUS_VOLTAGE 2020269

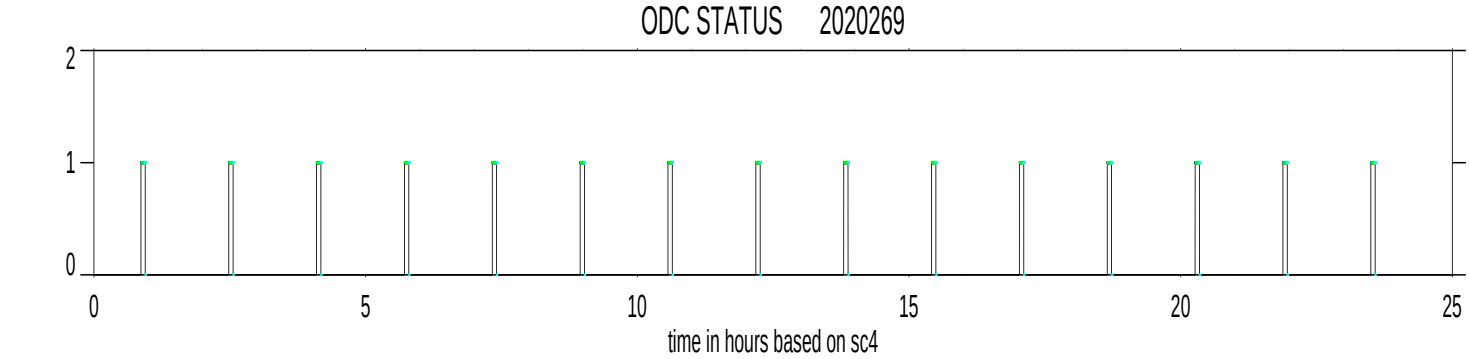


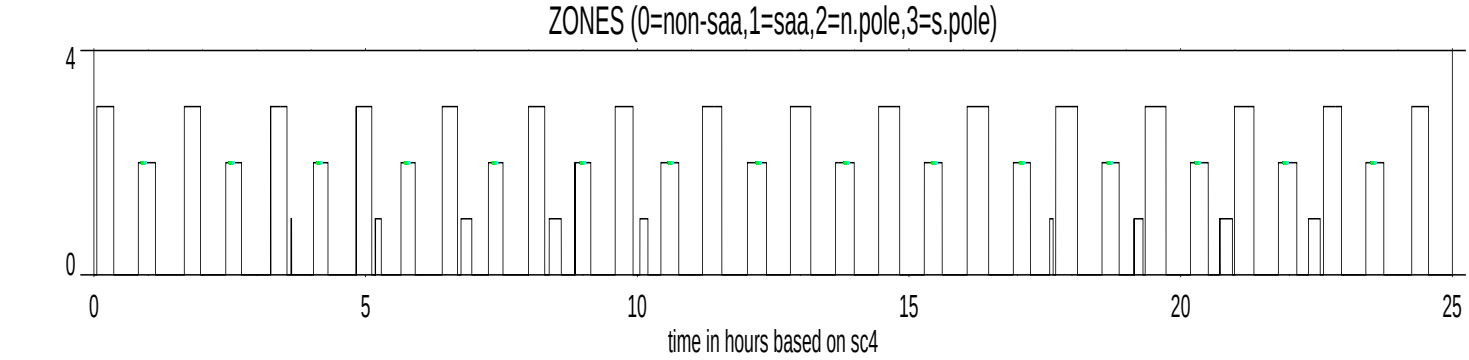
SEE_MU Operational Mode 2020269

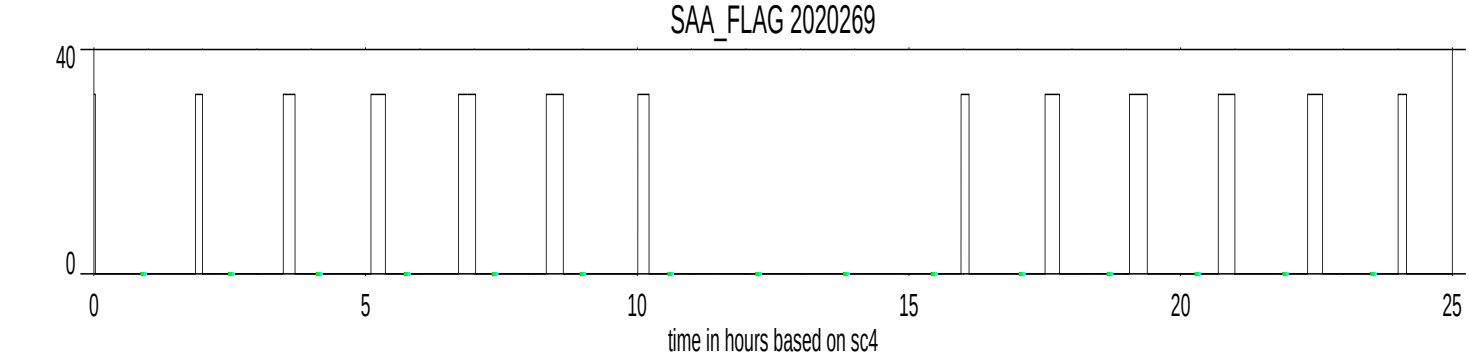


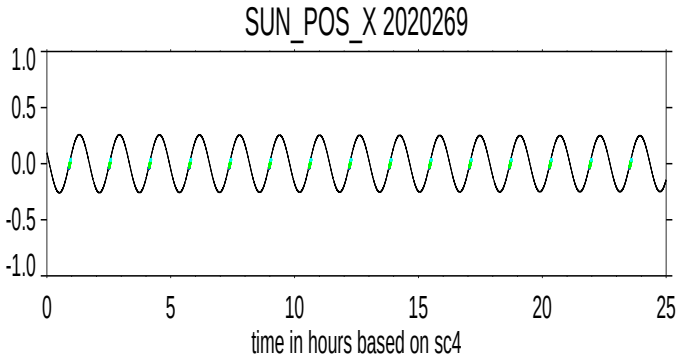

INTERNAL ERROR 2020269
16
8
0
0
5
10
15
20
25
time in hours based on sc4

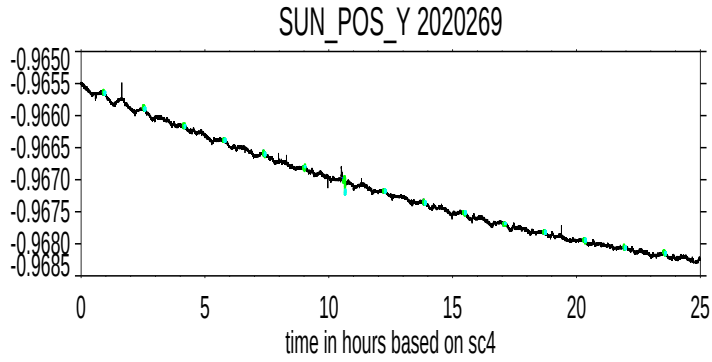

ERRORS 2020269
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

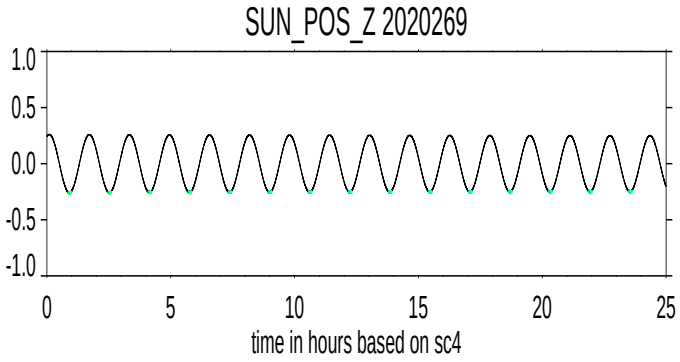

ODC STATUS 2020269
2
1
0
0
5
10
15
20
25
time in hours based on sc4

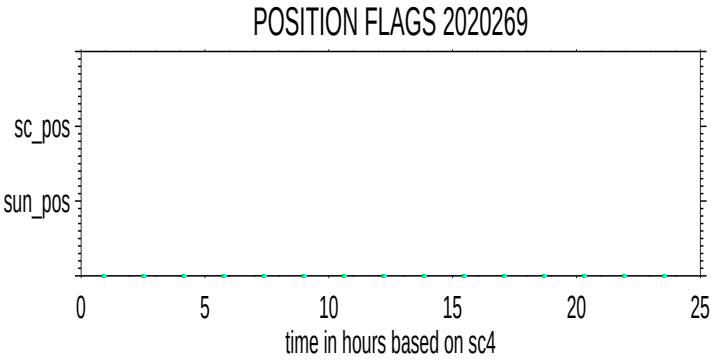

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

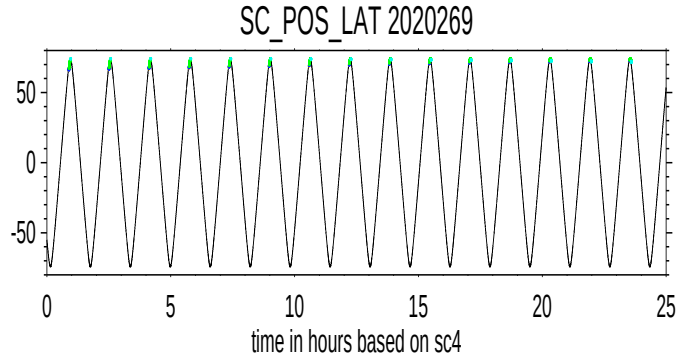

SAA_FLAG 2020269
40
0
0
5
10
15
20
25
time in hours based on sc4

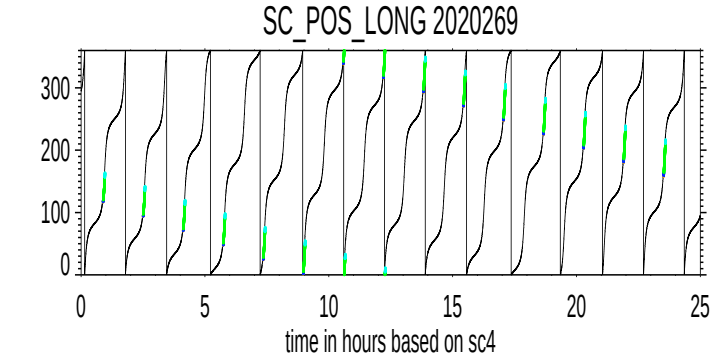

SUN_POS_X 2020269
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

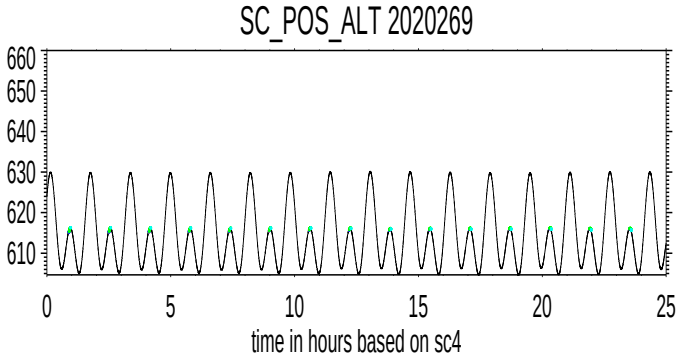

SUN_POS_Y 2020269
-0.9650
-0.9655
-0.9660
-0.9665
-0.9670
-0.9675
-0.9680
-0.9685
0
5
10
15
20
25
time in hours based on sc4

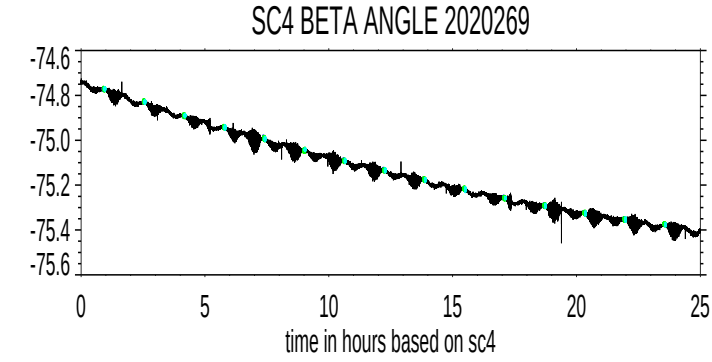

SUN_POS_Z 2020269
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2020269
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2020269
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2020269
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2020269
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2020269
-74.6
-74.8
-75.0
-75.2
-75.4
-75.6
0
5
10
15
20
25
time in hours based on sc4