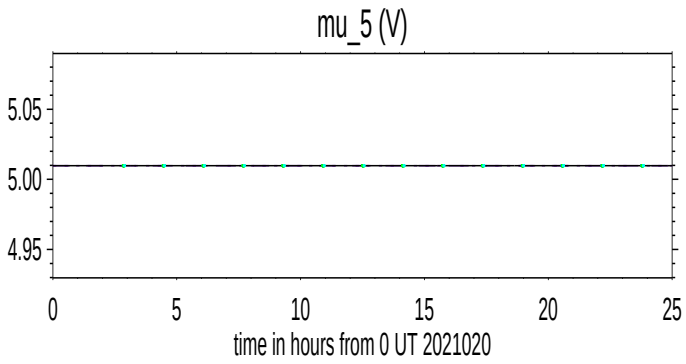
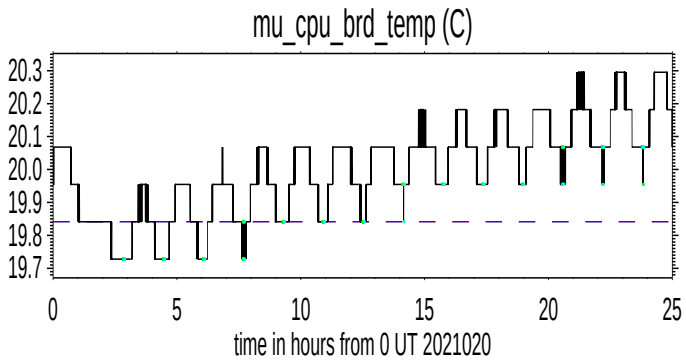
```
Information for      2021020
22:52:58.877: hk: 3 cmd pkt accepted   cmd = ODCs Loaded
22:53:13.877: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
22:53:28.877: hk: 9 cmd pkt accepted   cmd = ODCs Loaded
```

/export/timed/data/science_dp/tlm_limit/outoflimit_2021020_012.txt
Fri Feb 19 06:18:23 2021 1

RH OutOfLimit 1295136025 1295226008 hk.mu_cmd_pkt_reject


mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2021020


mu_cpu_brd_temp (C)
20.3
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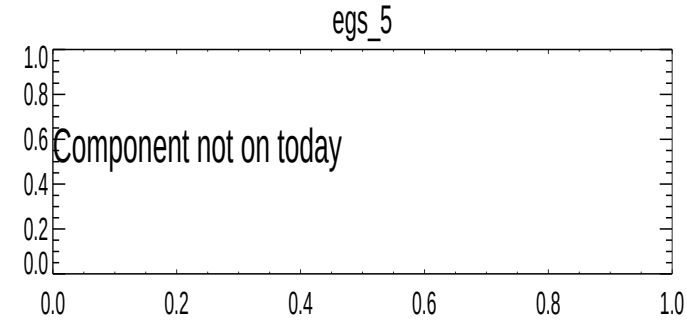
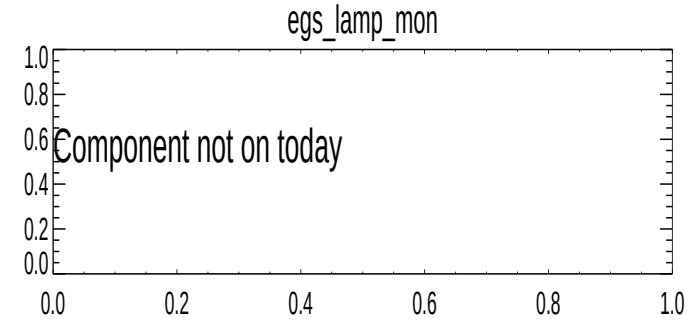
20.1
20.0
19.9
19.8
19.7
0
5
10
15
20
25
time in hours from 0 UT 2021020


egs_5
Component not on today
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


egs_lamp_mon
Component not on today
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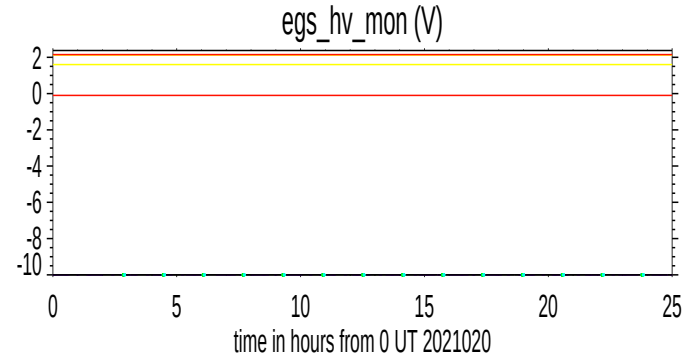
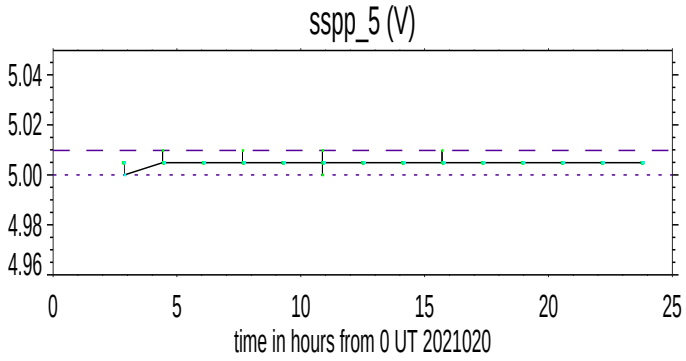
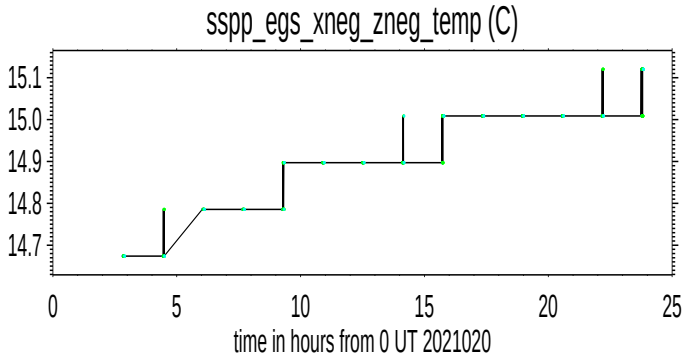
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


egs_hv_mon (V)
2
0
-2
-4
-6
-8
-10
0
5
10
15
20
25
time in hours from 0 UT 2021020


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 2021020


sspp_egs_xneg_zneg_temp (C)
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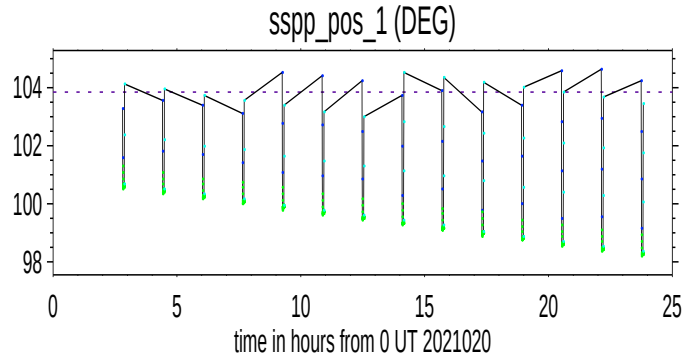
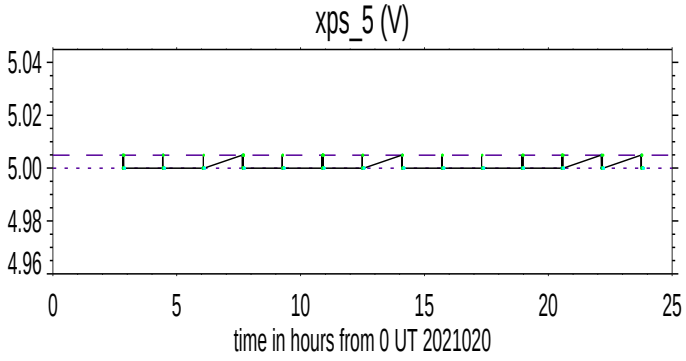
15.0
14.9
14.8
14.7
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_pos_1 (DEG)
104
102
100
98
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_5 (V)
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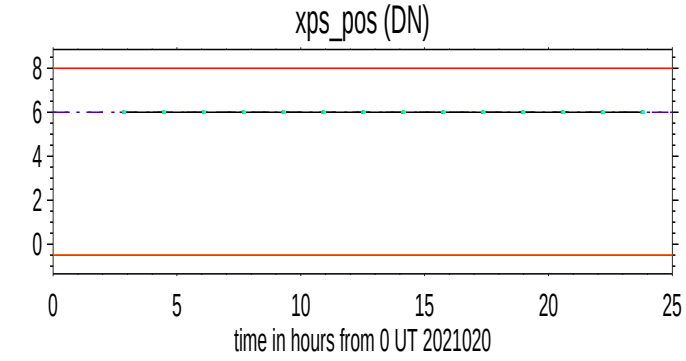
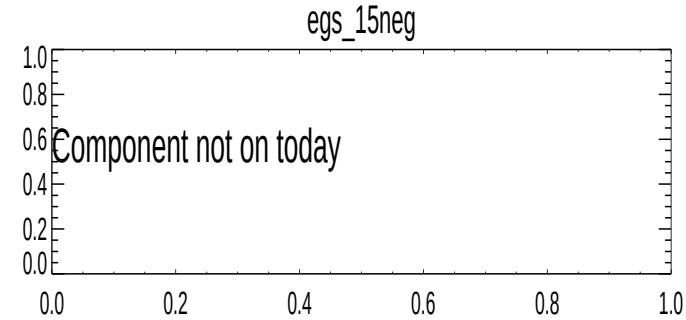
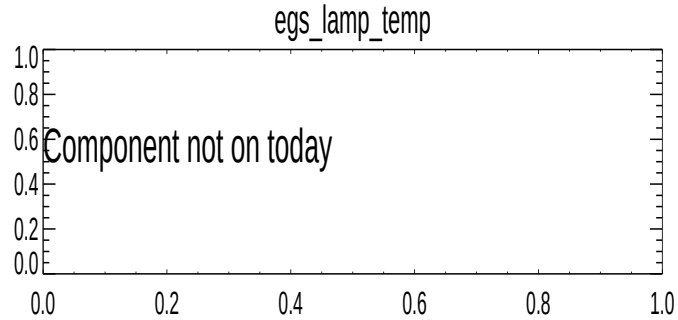
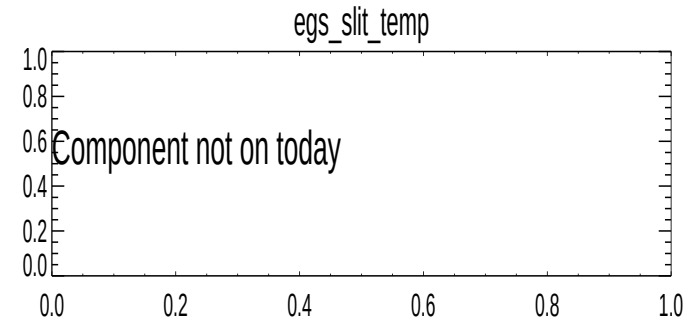
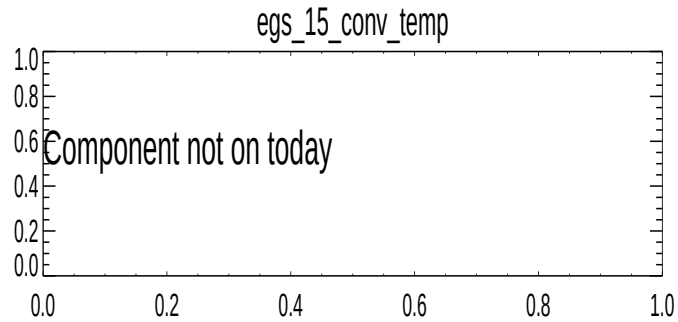
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2021020

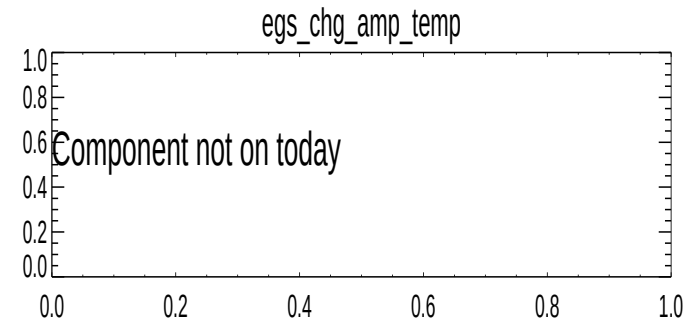

xps_pos (DN)
8
6
4
2
0
0
5
10
15
20
25
time in hours from 0 UT 2021020

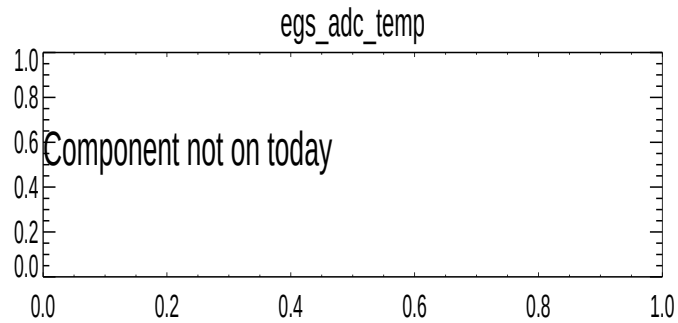

egs_15neg
Component not on today

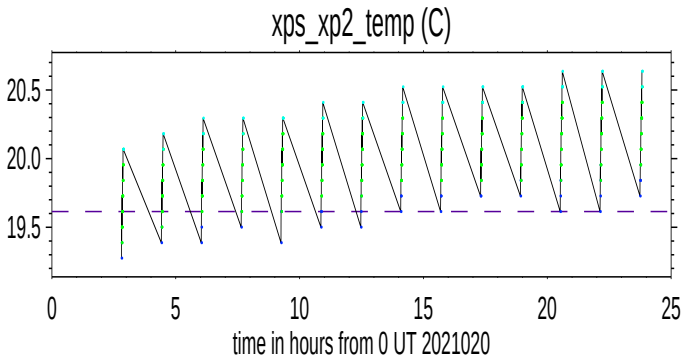

egs_lamp_temp
Component not on today

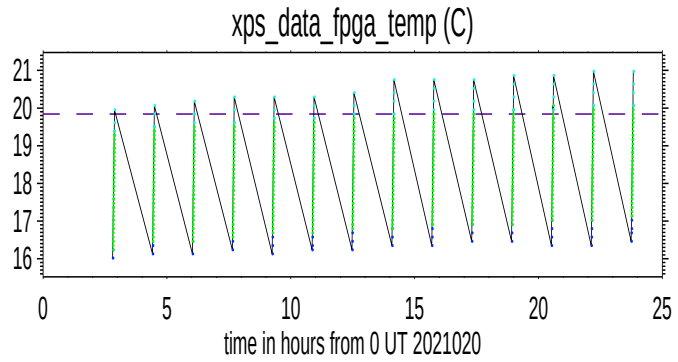

egs_slit_temp
Component not on today

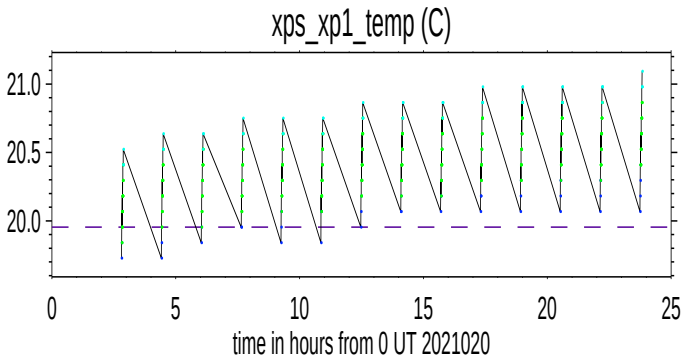

egs_15_conv_temp
Component not on today

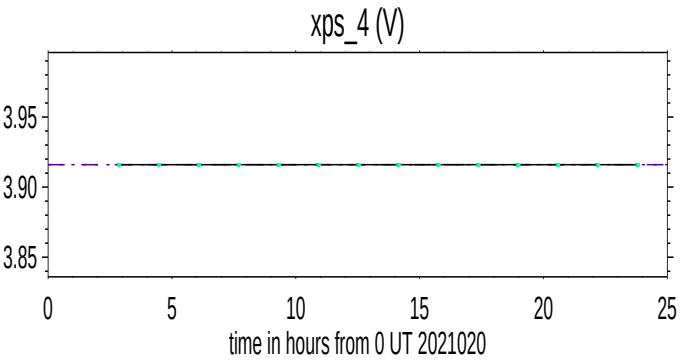

egs_chg_amp_temp
Component not on today

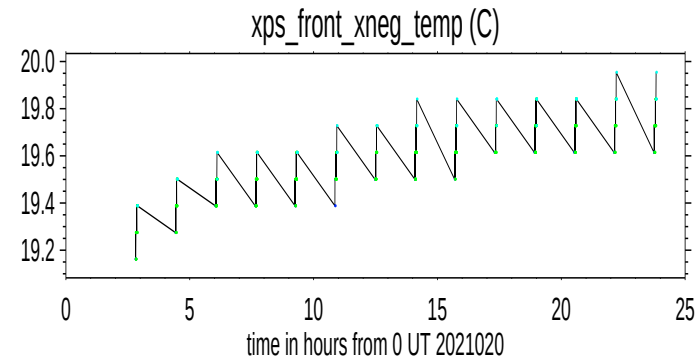

egs_adc_temp
Component not on today

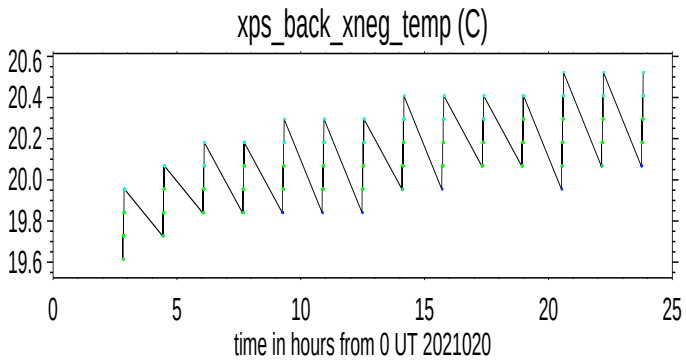

xps_xp2_temp (C)
time in hours from 0 UT 2021020

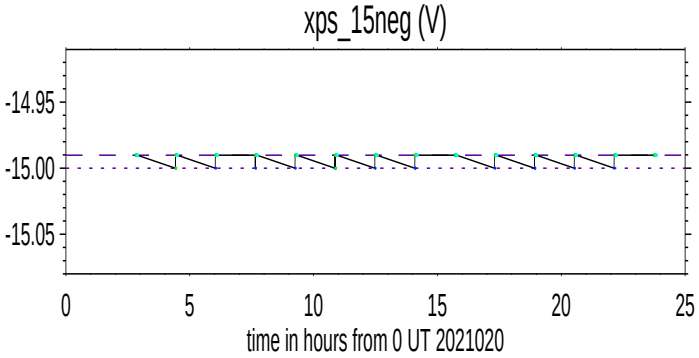

xps_data_fpga_temp (C)
time in hours from 0 UT 2021020

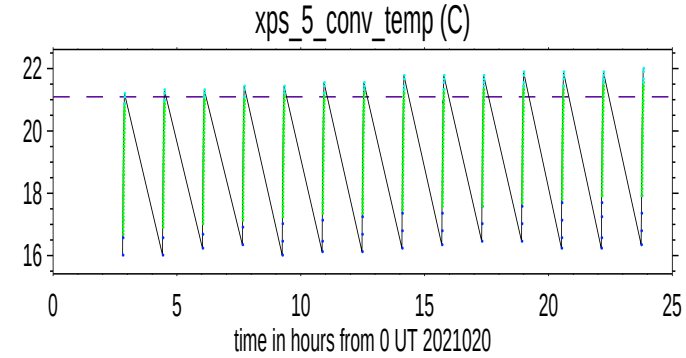

xps_xp1_temp (C)
time in hours from 0 UT 2021020

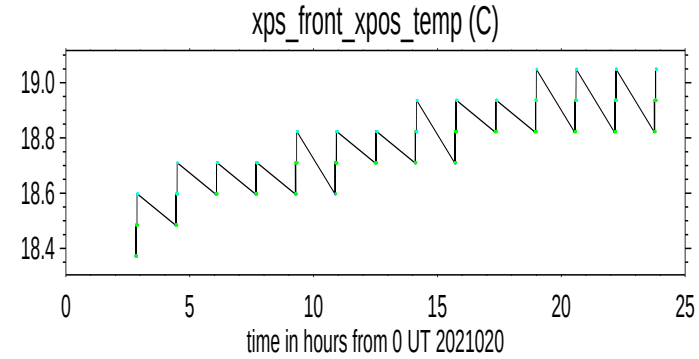

xps_4 (V)
time in hours from 0 UT 2021020

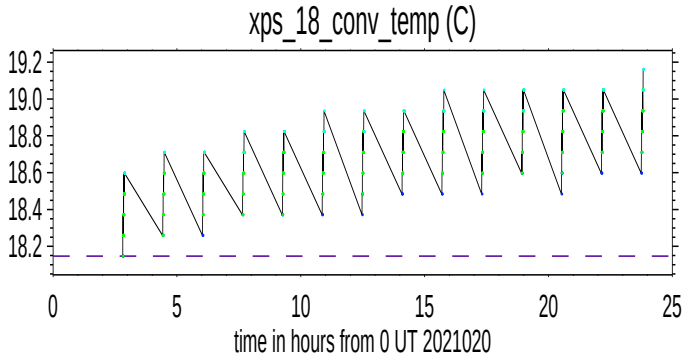

xps_front_xneg_temp (C)
20.0
19.8
19.6
19.4
19.2
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_back_xneg_temp (C)
20.6
20.4
20.2
20.0
19.8
19.6
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_15neg (V)
-14.95
-15.00
-15.05
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_5_conv_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_front_xpos_temp (C)
19.0
18.8
18.6
18.4
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_18_conv_temp (C)
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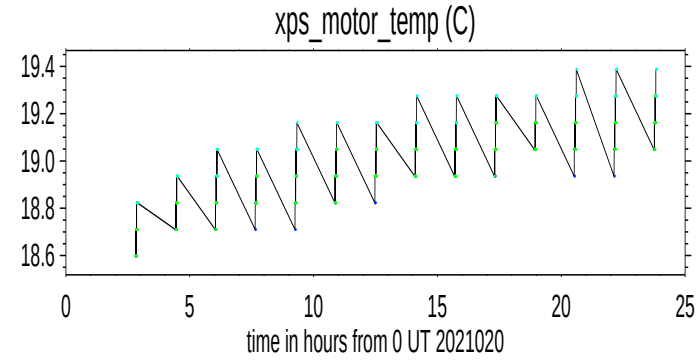
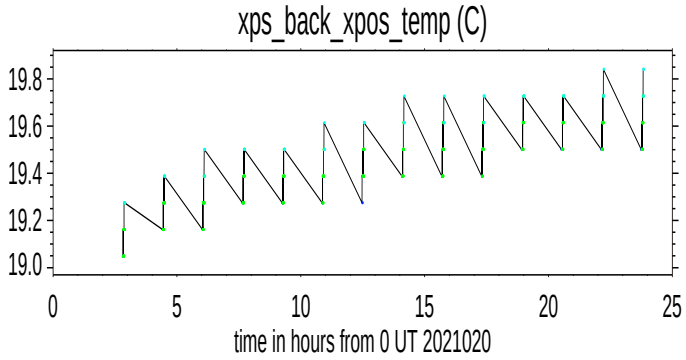
19.0
18.8
18.6
18.4
18.2
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_motor_temp (C)
19.4
19.2
19.0
18.8
18.6
0
5
10
15
20
25
time in hours from 0 UT 2021020


xps_back_xpos_temp (C)
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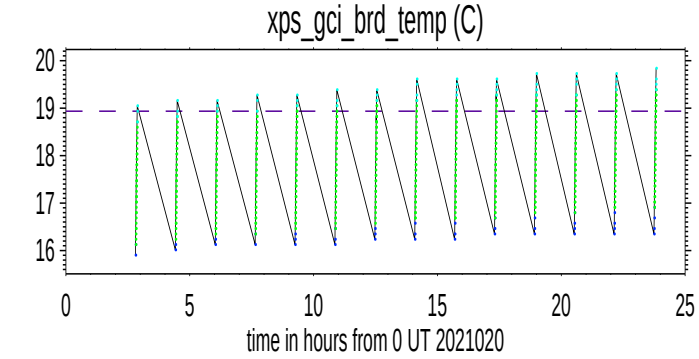
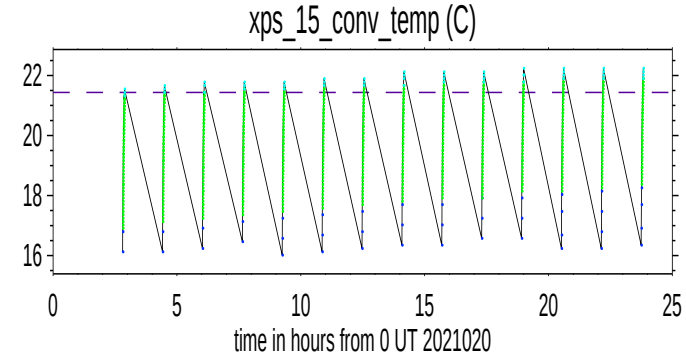
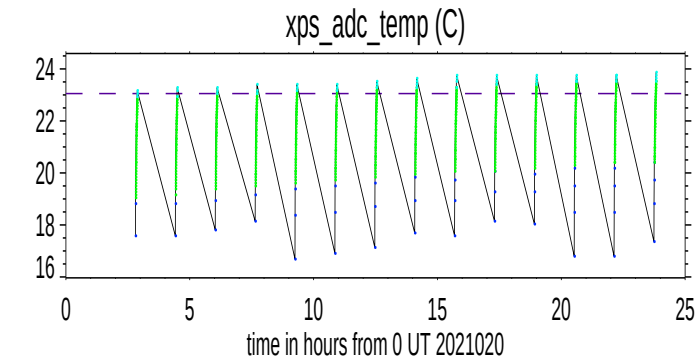
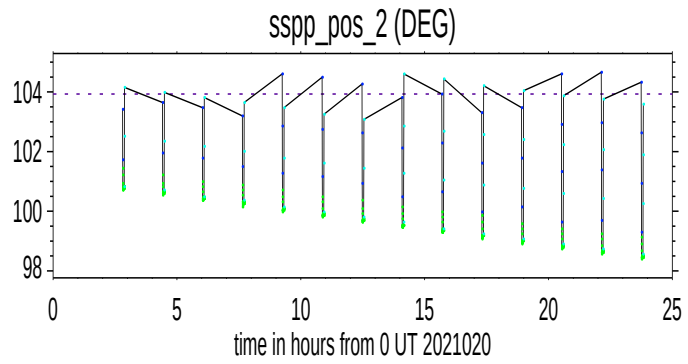
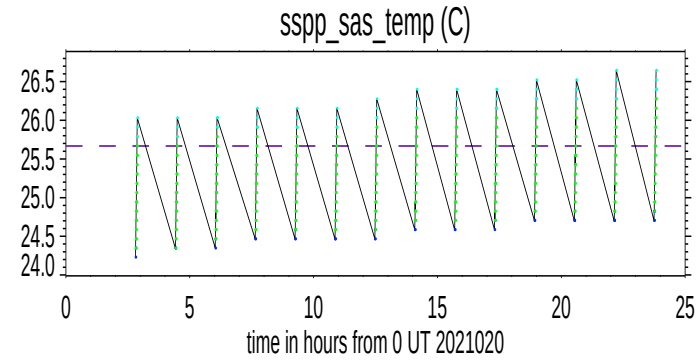
19.6
19.4
19.2
19.0
0
5
10
15
20
25
time in hours from 0 UT 2021020

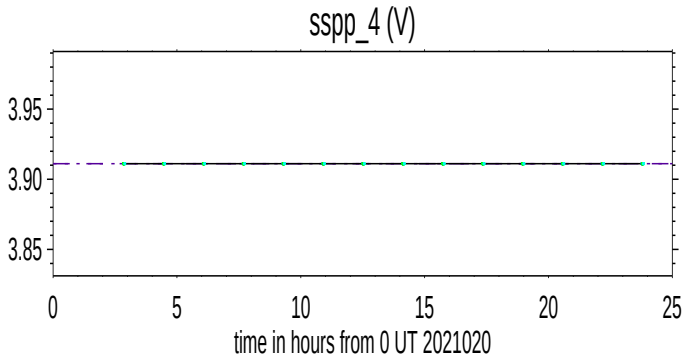

xps_gci_brd_temp (C)
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

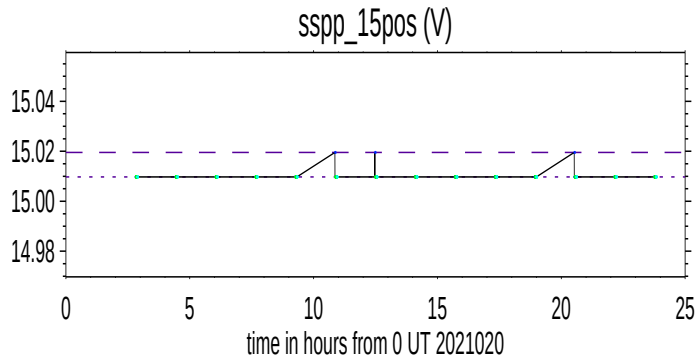

xps_15_conv_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

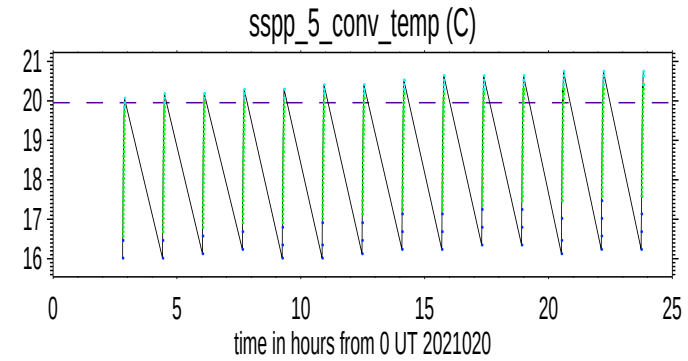

xps_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

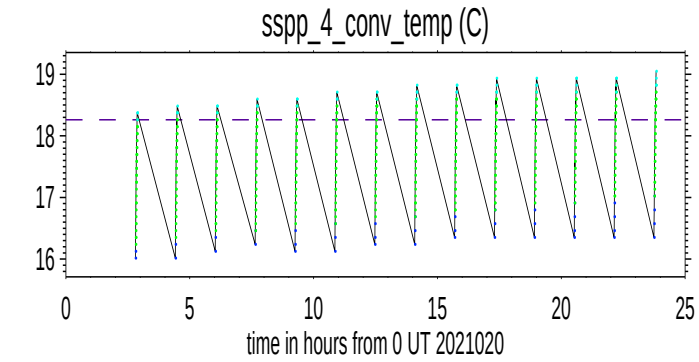

sspp_pos_2 (DEG)
104
102
100
98
0
5
10
15
20
25
time in hours from 0 UT 2021020

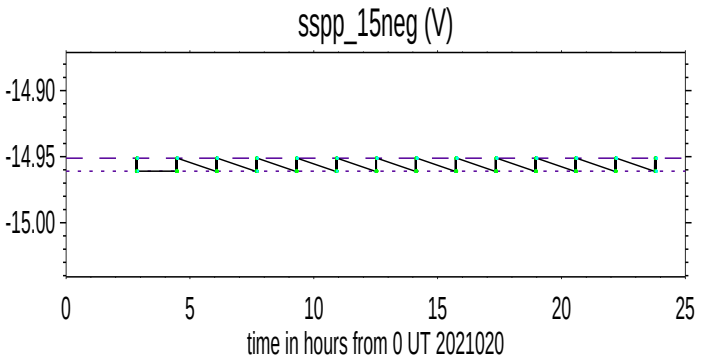

sspp_sas_temp (C)
26.5
26.0
25.5
25.0
24.5
24.0
0
5
10
15
20
25
time in hours from 0 UT 2021020

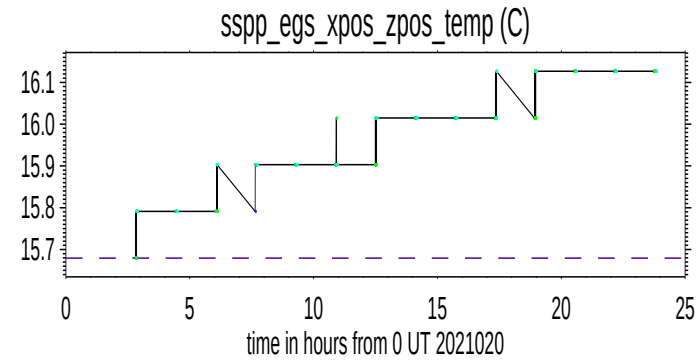

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2021020

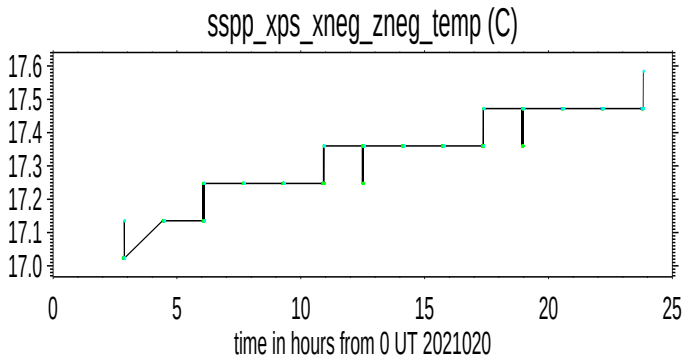

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_5_conv_temp (C)
21
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_4_conv_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_egs_xpos_zpos_temp (C)
16.1
16.0
15.9
15.8
15.7
0
5
10
15
20
25
time in hours from 0 UT 2021020


sspp_xps_xneg_zneg_temp (C)
17.6
17.5
17.4
17.3
17.2
17.1
17.0
0
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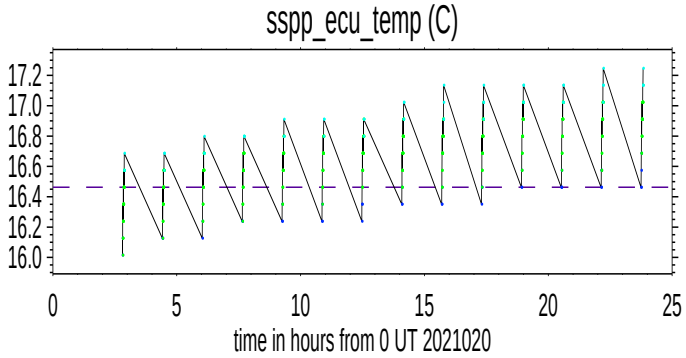
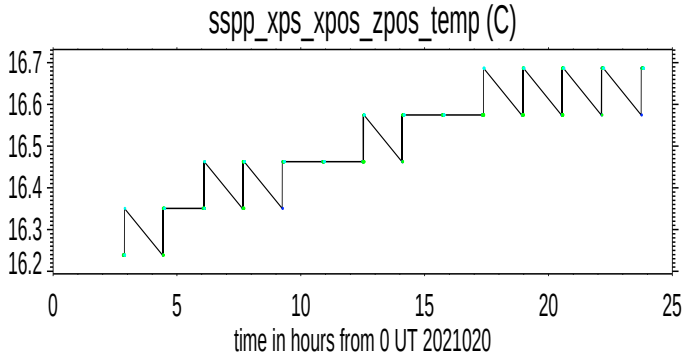
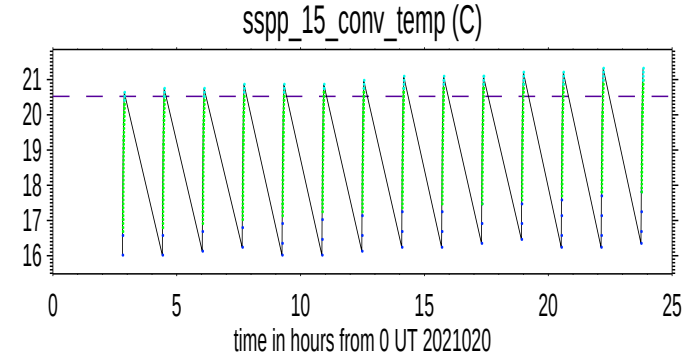
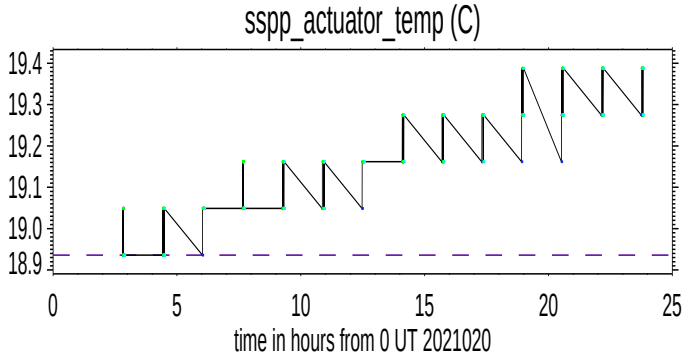
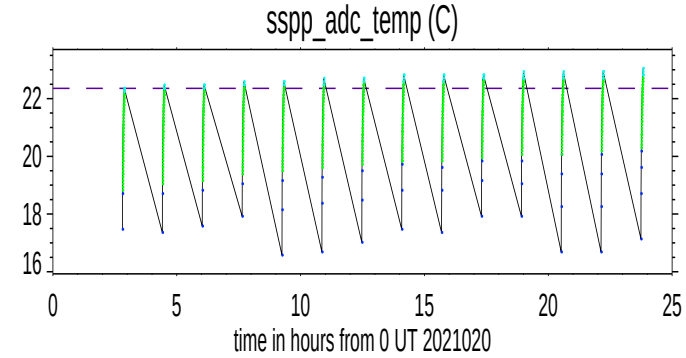
10
15
20
25
time in hours from 0 UT 2021020

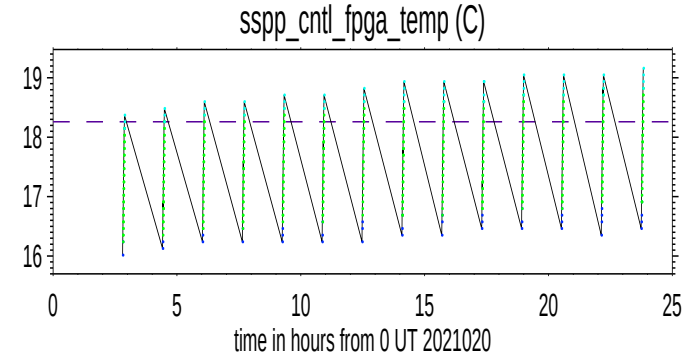

sspp_ecu_temp (C)
17.2
17.0
16.8
16.6
16.4
16.2
16.0
0
5
10
15
20
25
time in hours from 0 UT 2021020

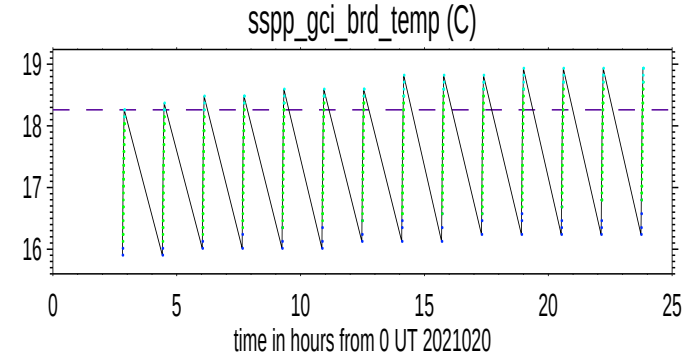

sspp_xps_xpos_zpos_temp (C)
16.7
16.6
16.5
16.4
16.3
16.2
0
5
10
15
20
25
time in hours from 0 UT 2021020

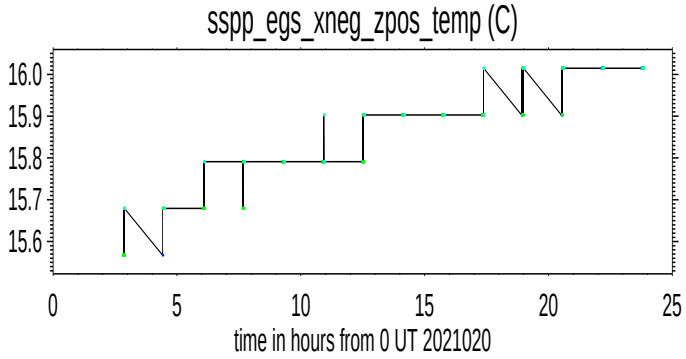

sspp_15_conv_temp (C)
21
20
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

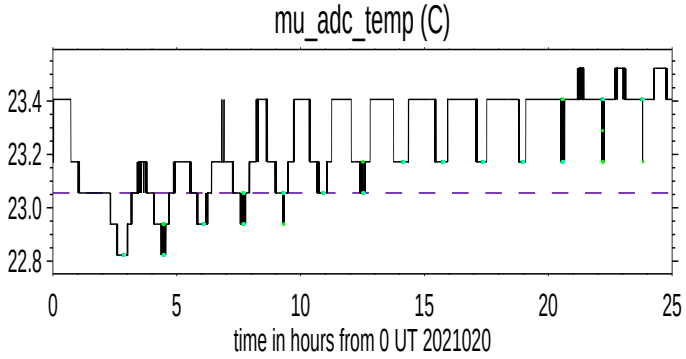

sspp_actuator_temp (C)
19.4
19.3
19.2
19.1
19.0
18.9
0
5
10
15
20
25
time in hours from 0 UT 2021020

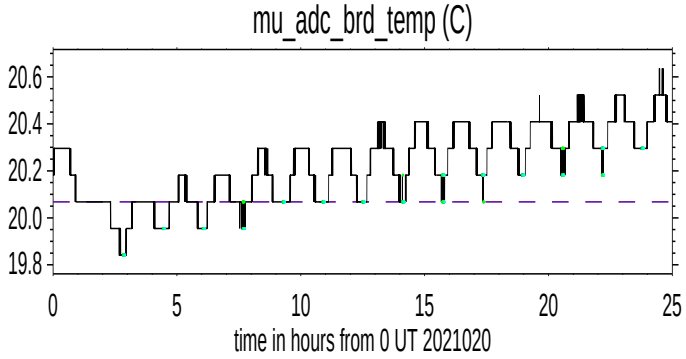

sspp_adc_temp (C)
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

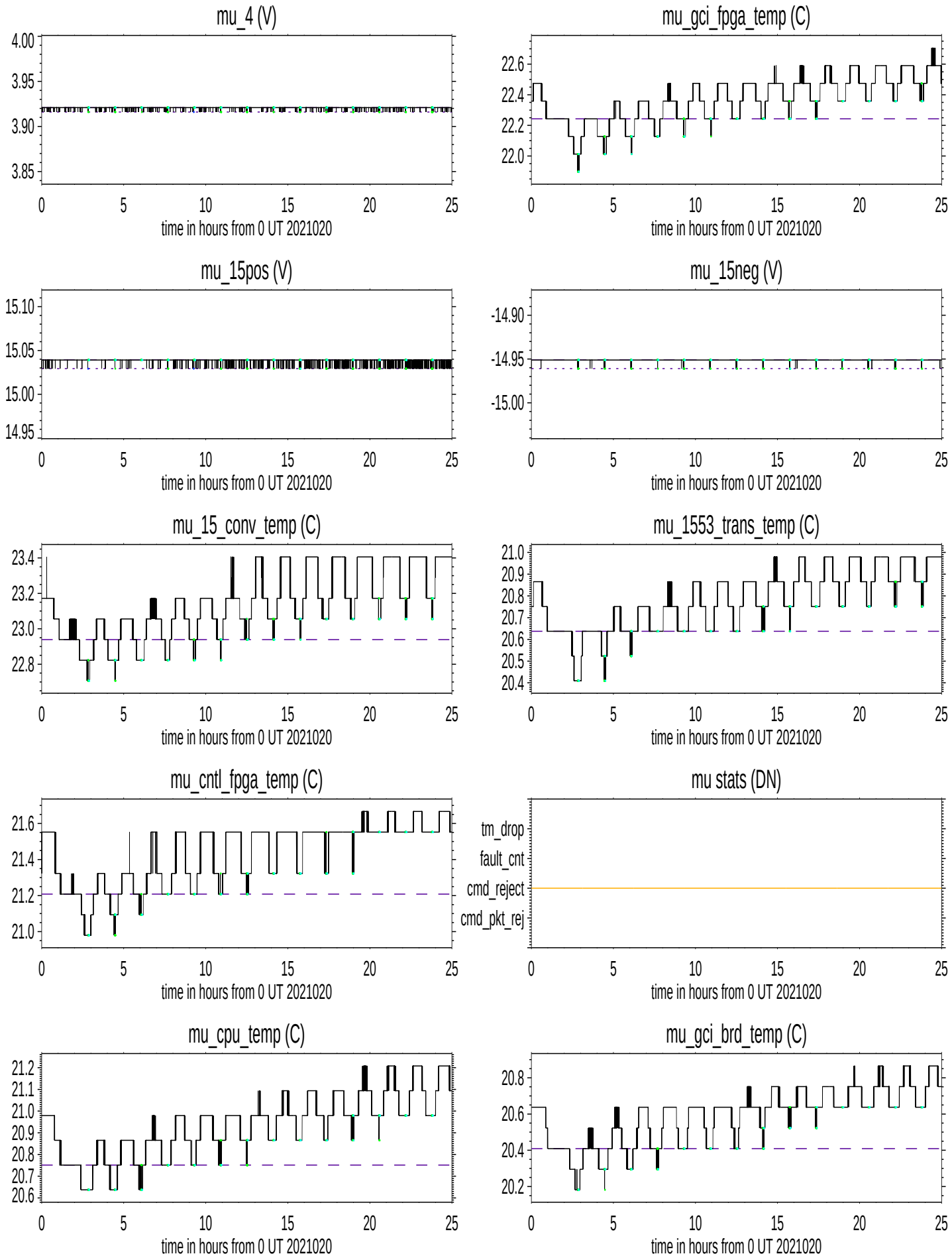

sspp_cntl_fpga_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

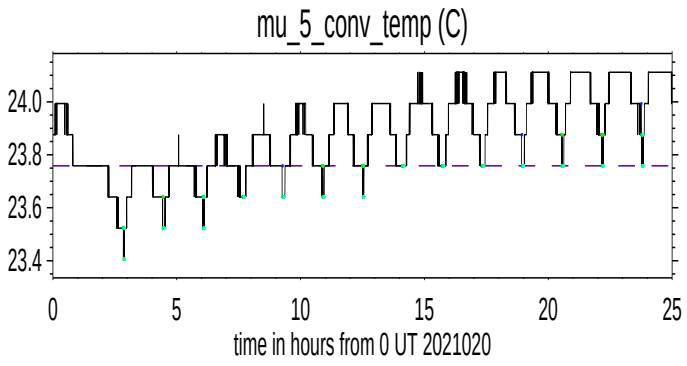

sspp_gci_brd_temp (C)
19
18
17
16
0
5
10
15
20
25
time in hours from 0 UT 2021020

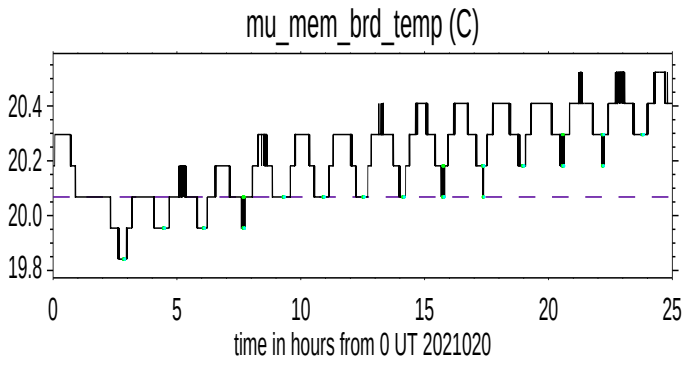

sspp_egs_xneg_zpos_temp (C)
16.0
15.9
15.8
15.7
15.6
0
5
10
15
20
25
time in hours from 0 UT 2021020

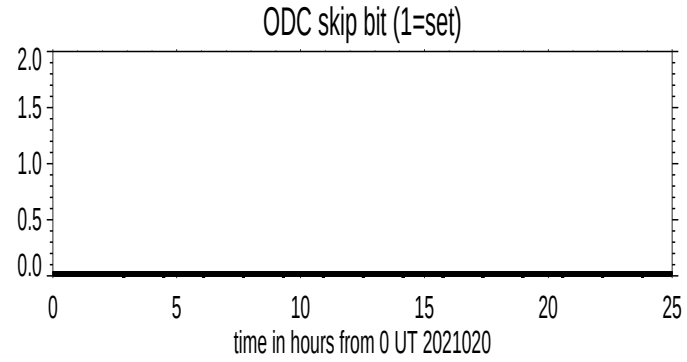

mu_adc_temp (C)
23.4
23.2
23.0
22.8
0
5
10
15
20
25
time in hours from 0 UT 2021020

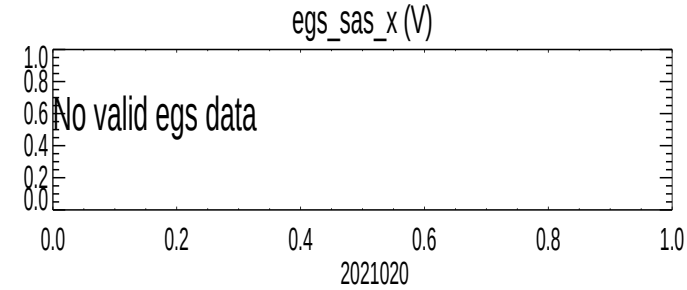

mu_adc_brd_temp (C)
20.6
20.4
20.2
20.0
19.8
0
5
10
15
20
25
time in hours from 0 UT 2021020

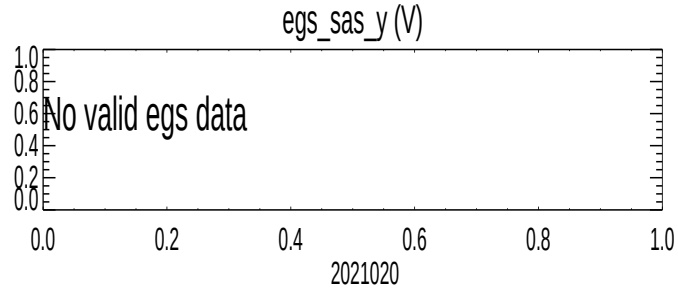

mu_4 (V)
4.00
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_gci_fpga_temp (C)
22.6
22.4
22.2
22.0
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_15pos (V)
15.10
15.05
15.00
14.95
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_15_conv_temp (C)
23.4
23.2
23.0
22.8
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_1553_trans_temp (C)
21.0
20.9
20.8
20.7
20.6
20.5
20.4
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_cntl_fpga_temp (C)
21.6
21.4
21.2
21.0
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_cpu_temp (C)
21.2
21.1
21.0
20.9
20.8
20.7
20.6
0 5 10 15 20 25
time in hours from 0 UT 2021020
mu_gci_brd_temp (C)
20.8
20.6
20.4
20.2
0 5 10 15 20 25
time in hours from 0 UT 2021020

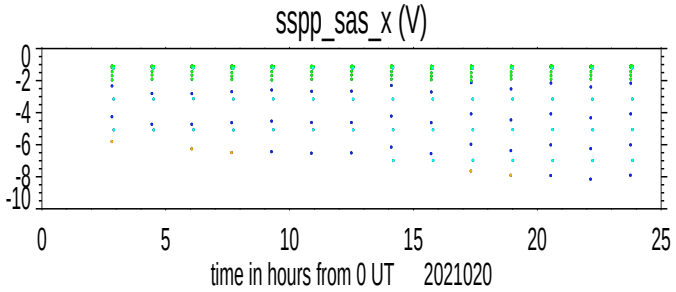

mu_5_conv_temp (C)
24.0
23.8
23.6
23.4
0
5
10
15
20
25
time in hours from 0 UT 2021020

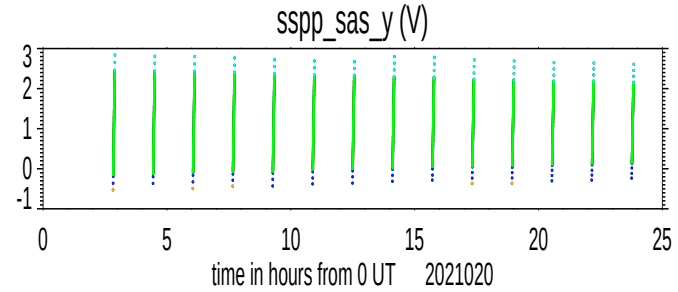

mu_mem_brd_temp (C)
20.4
20.2
20.0
19.8
0
5
10
15
20
25
time in hours from 0 UT 2021020

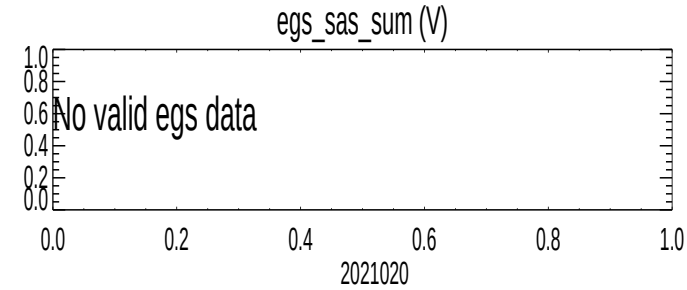

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2021020

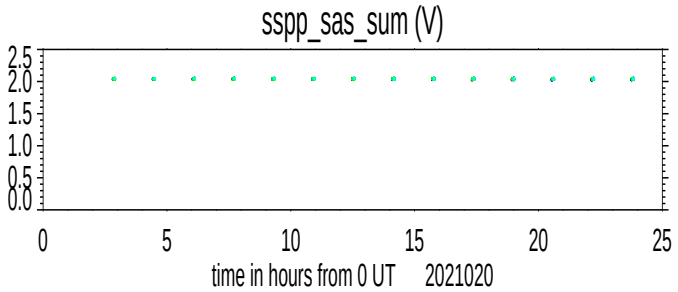

egs_sas_x (V)
No valid egs data
2021020

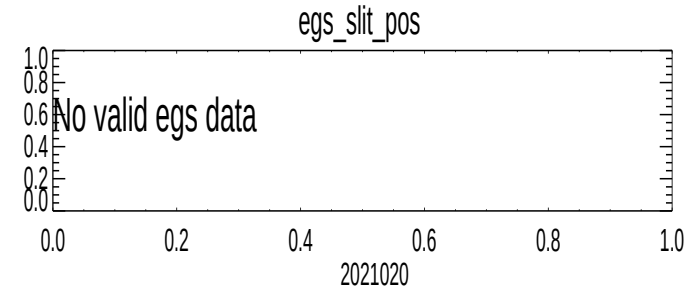

egs_sas_y (V)
No valid egs data
2021020

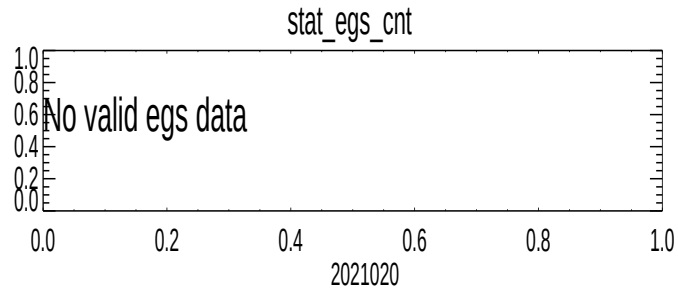

sspp_sas_x (V)
time in hours from 0 UT 2021020

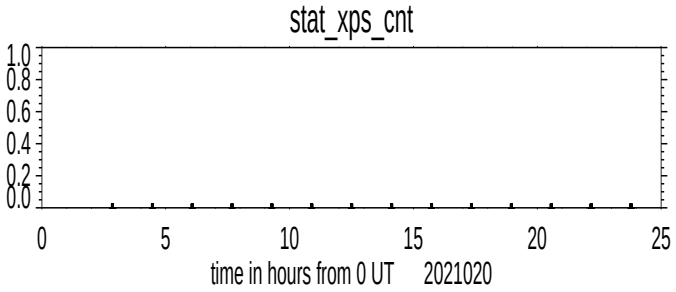

sspp_sas_y (V)
time in hours from 0 UT 2021020

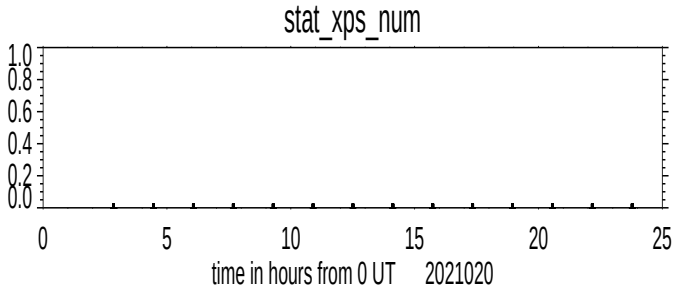

egs_sas_sum (V)
No valid egs data
2021020

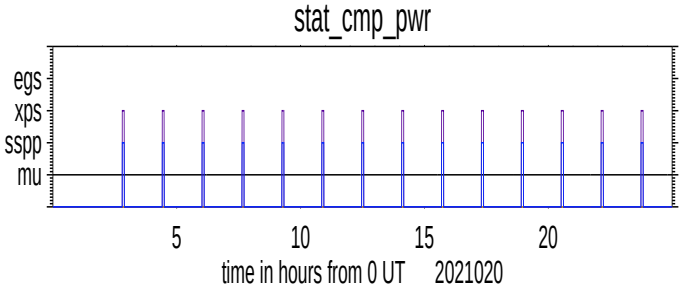

sspp_sas_sum (V)
time in hours from 0 UT 2021020


egs_slit_pos
No valid egs data
2021020

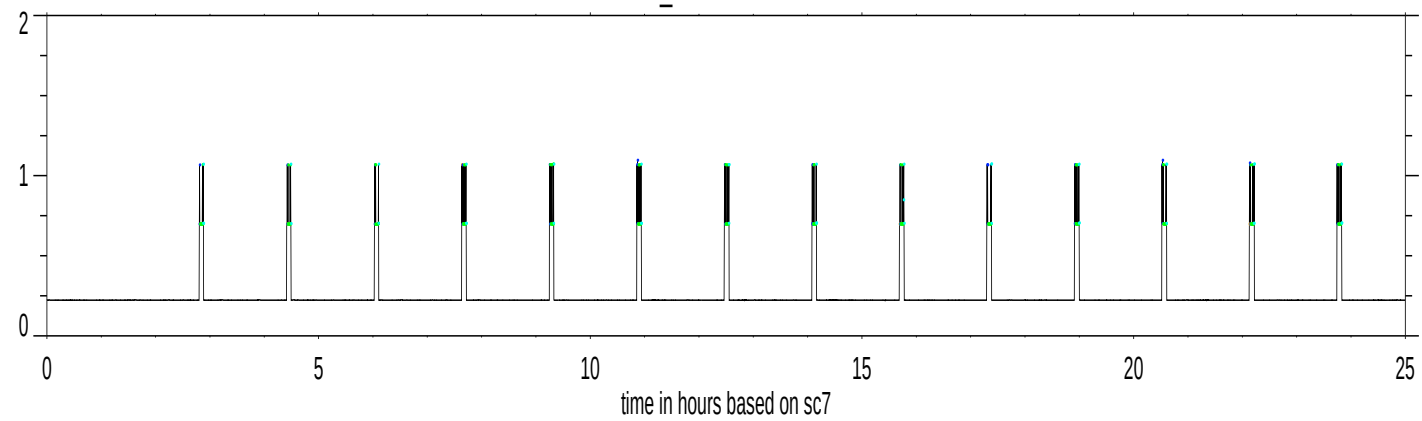

stat_egs_cnt
No valid egs data
2021020


stat_xps_cnt
time in hours from 0 UT 2021020

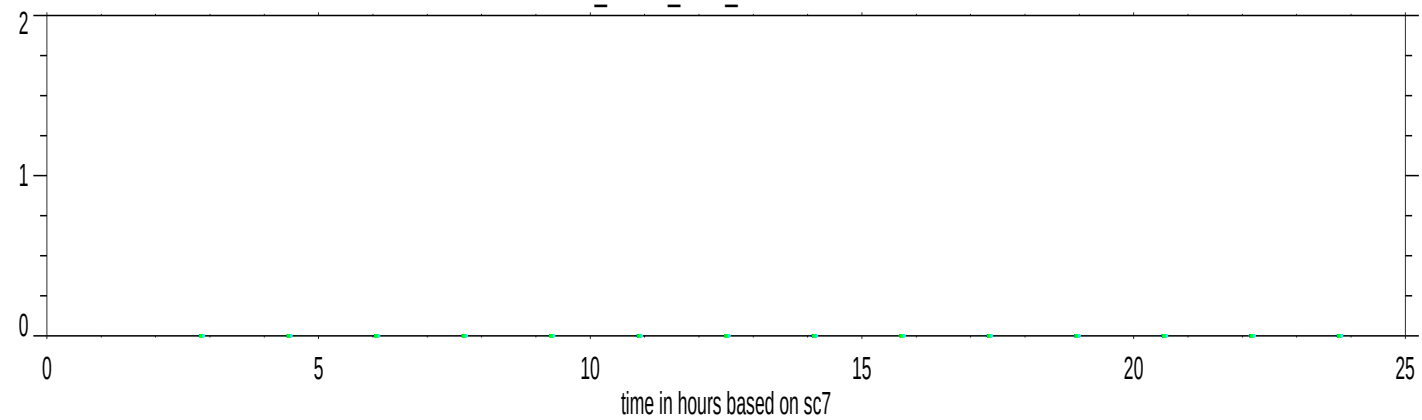

stat_xps_num
time in hours from 0 UT 2021020


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2021020

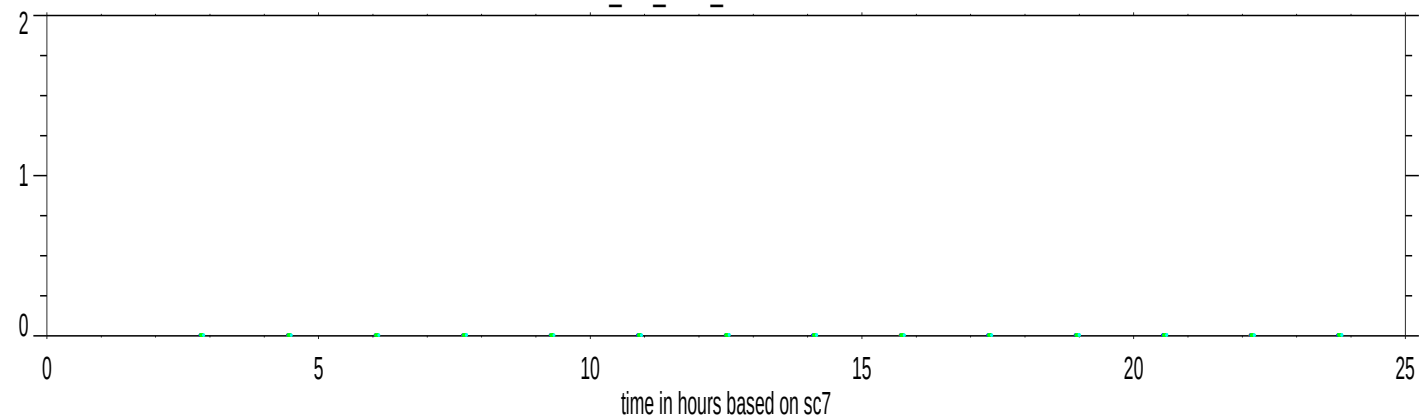
SEE_CUR 2021020



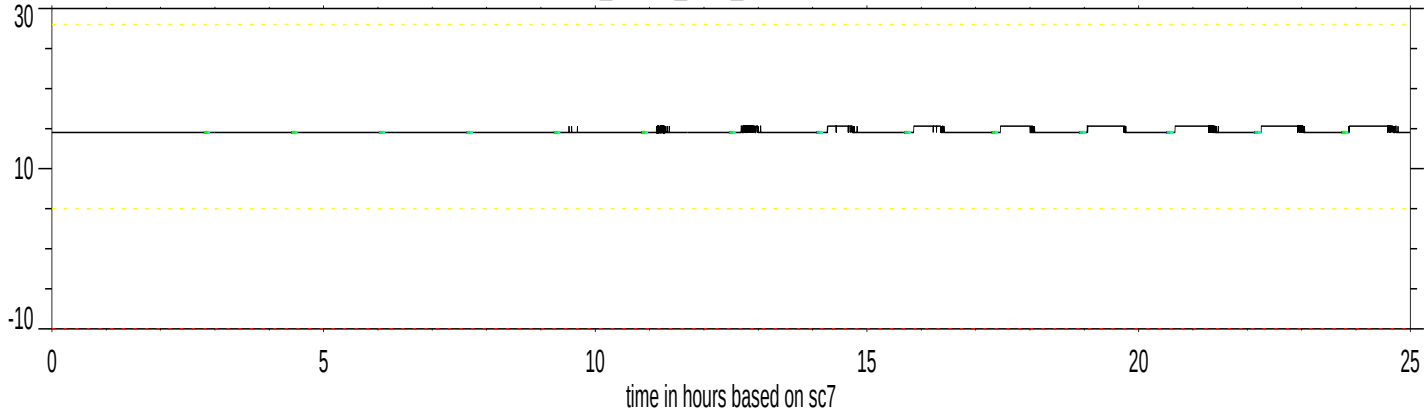
SEE_SURV_HTR_CUR 2021020



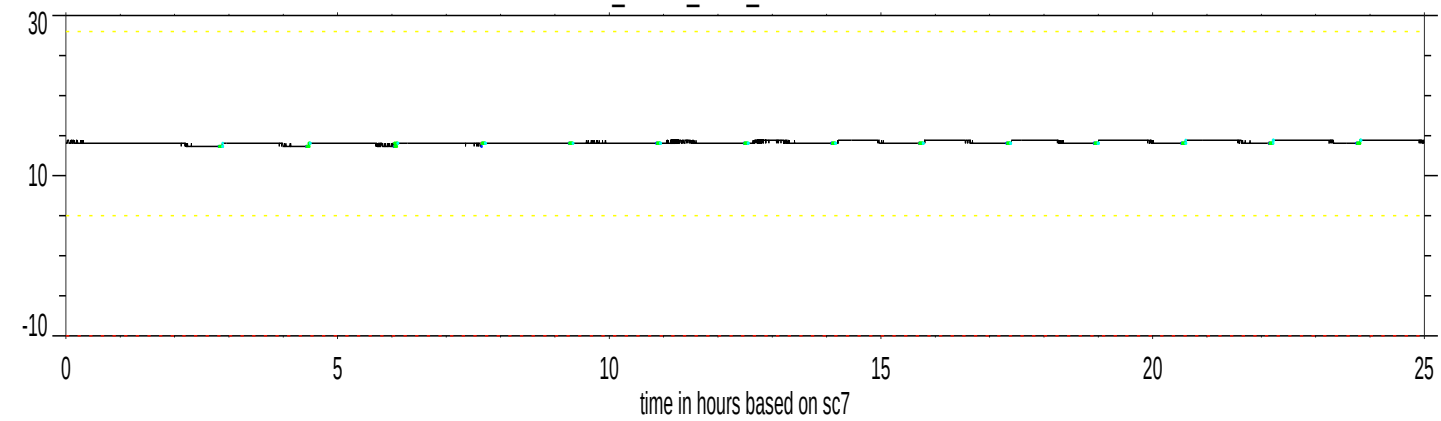
SEE_OP_HTR_CUR 2021020



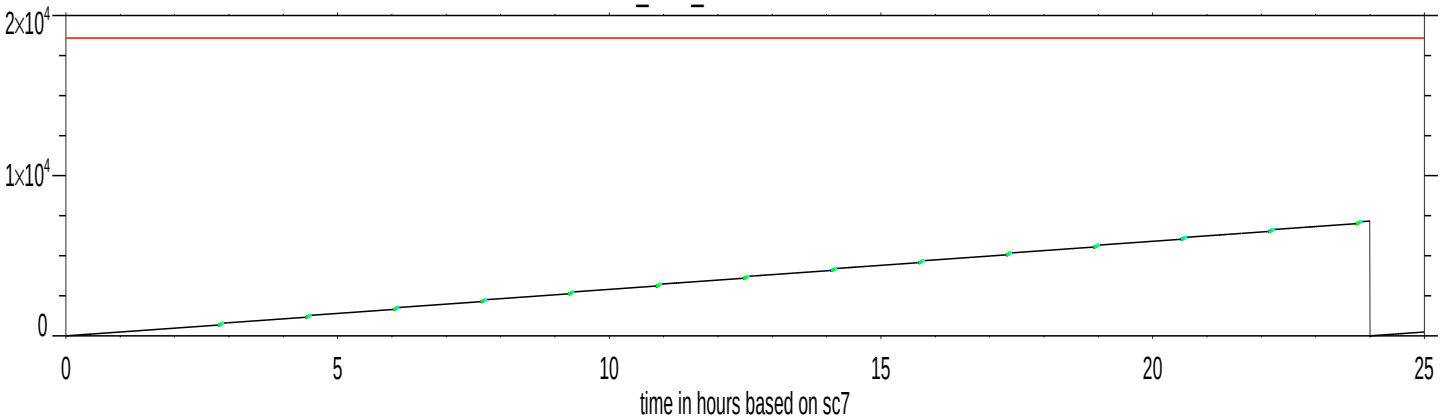
SSPP_BHND_XPS_TEMP 2021020



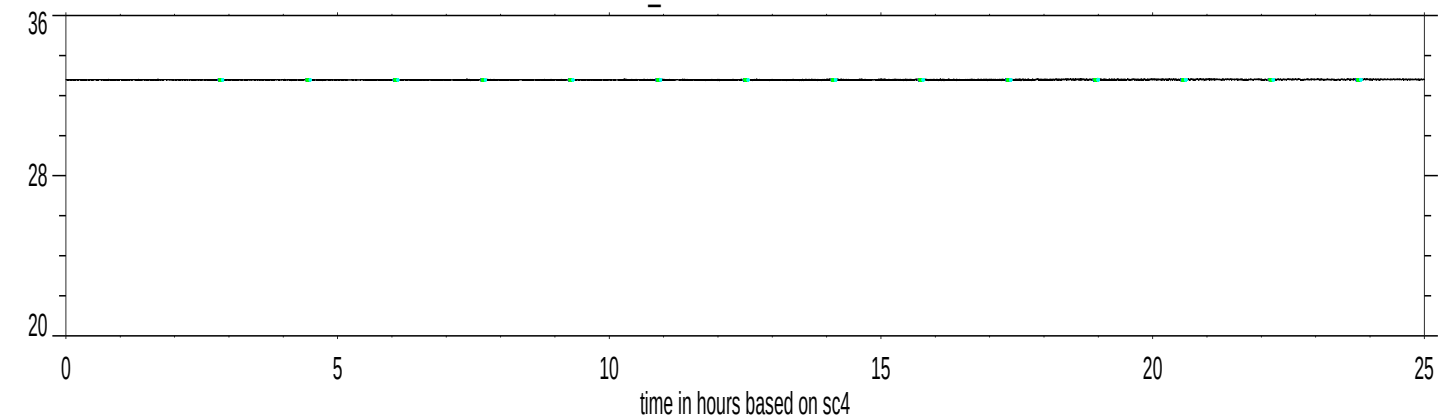
SSPP_BHND_MTR_TEMP 2021020



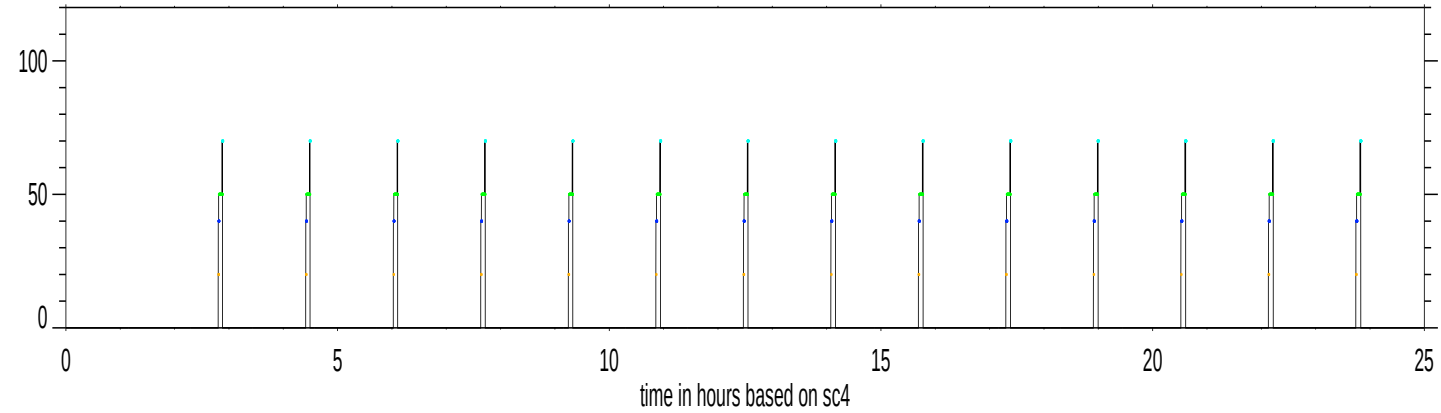
SEE_PKT_COUNT 2021020

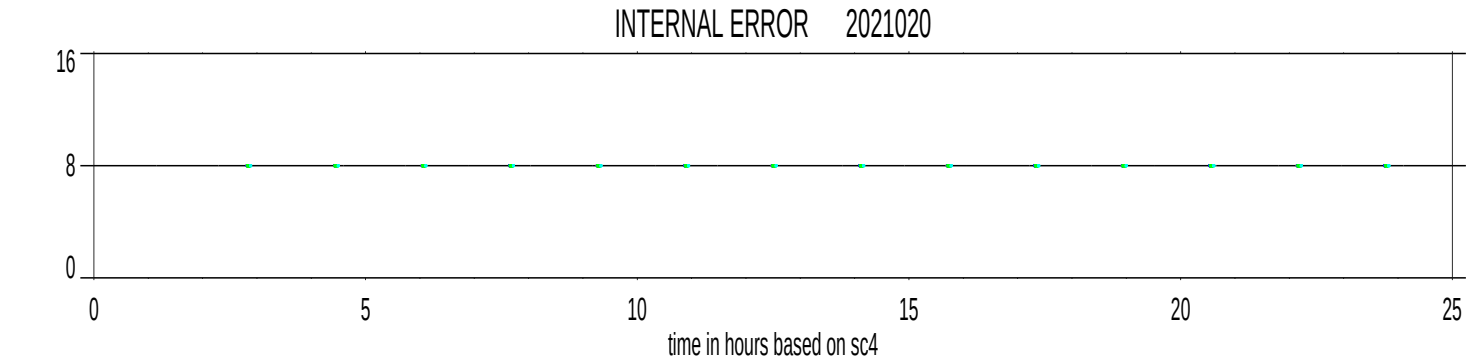


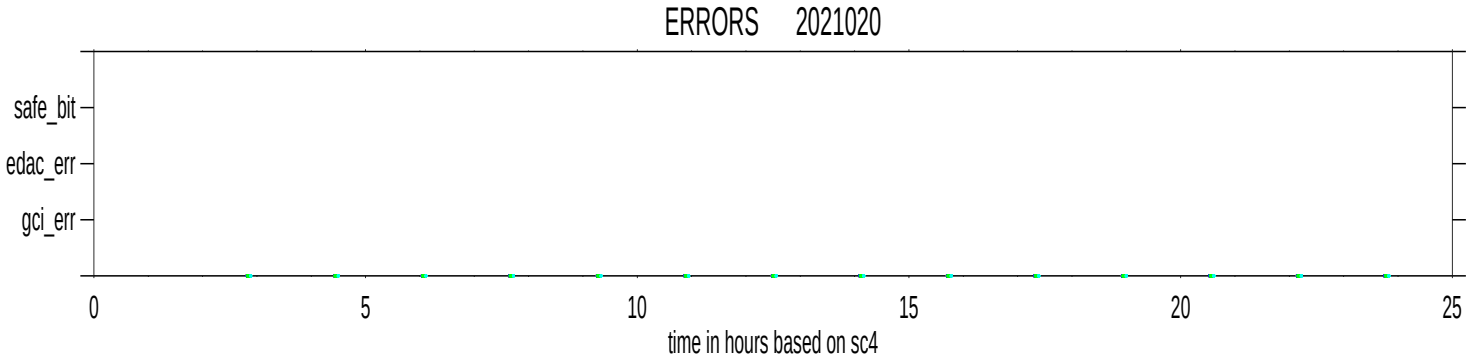
BUS_VOLTAGE 2021020

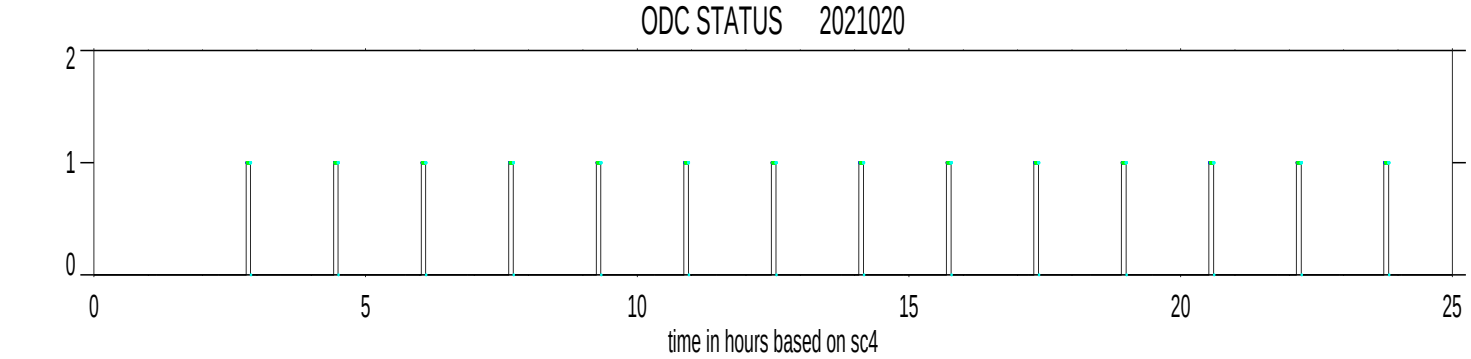


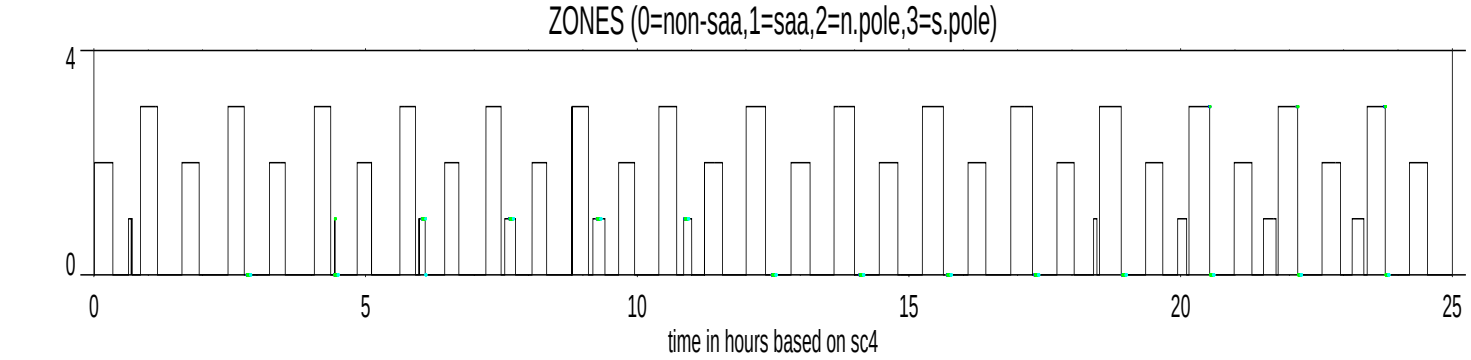
SEE_MU Operational Mode 2021020

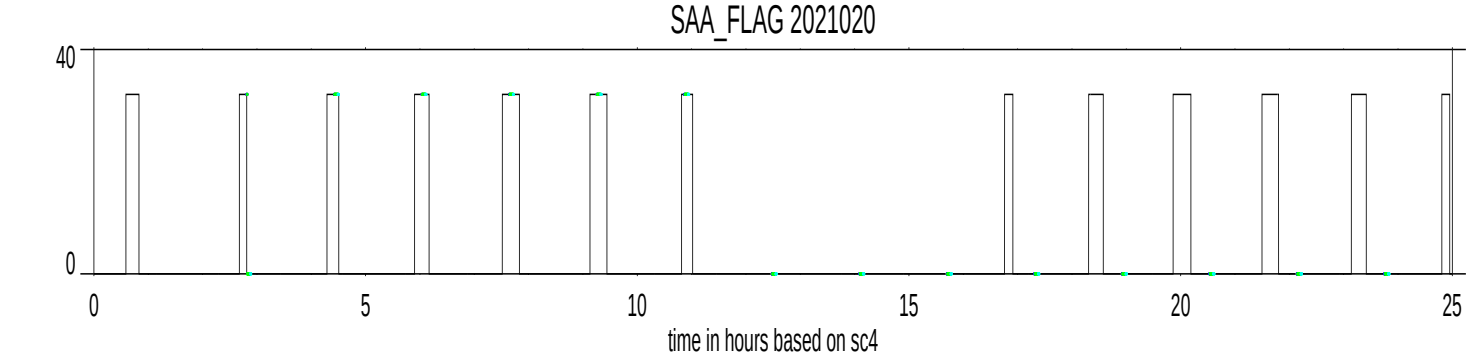


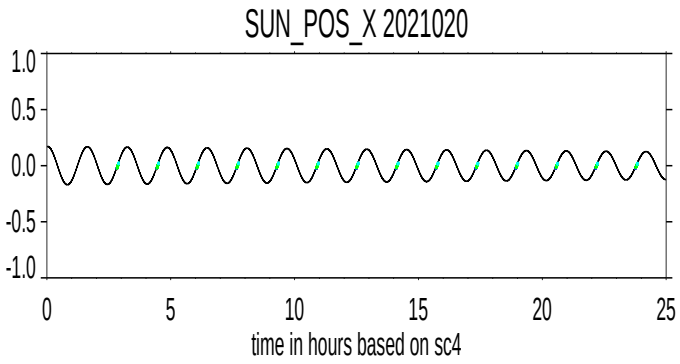

INTERNAL ERROR 2021020
16
8
0
0
5
10
15
20
25
time in hours based on sc4

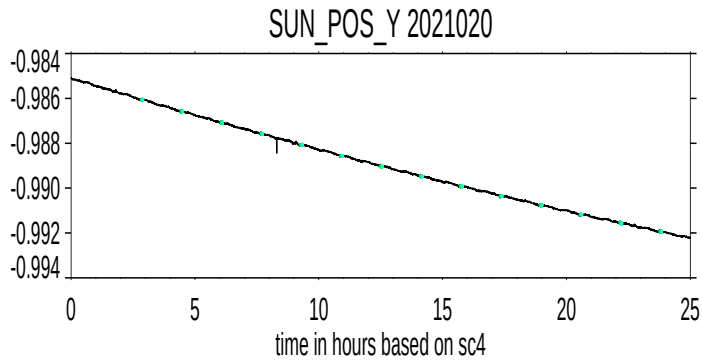

ERRORS 2021020
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

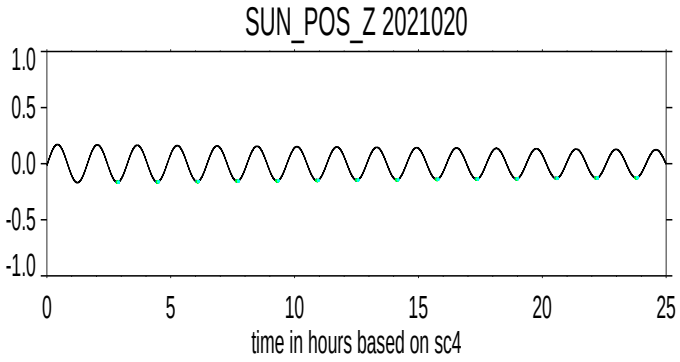

ODC STATUS 2021020
2
1
0
0
5
10
15
20
25
time in hours based on sc4

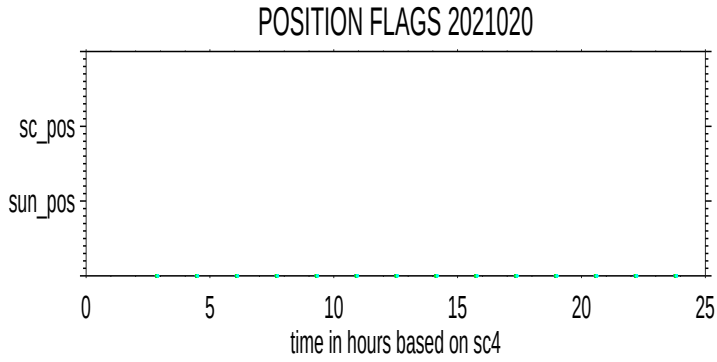

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

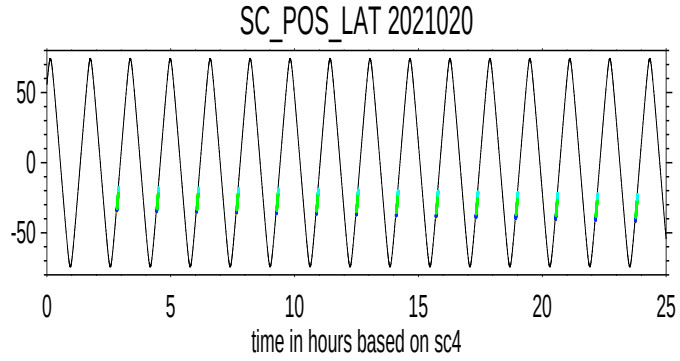

SAA_FLAG 2021020
40
0
0
5
10
15
20
25
time in hours based on sc4

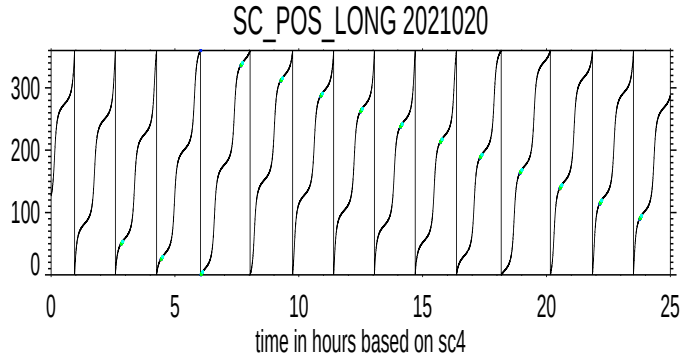

SUN_POS_X 2021020
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

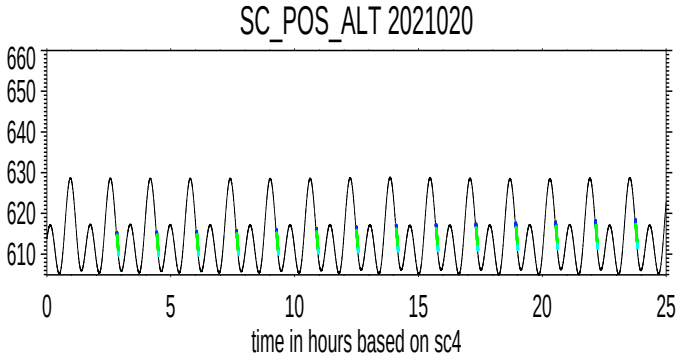

SUN_POS_Y 2021020
-0.984
-0.986
-0.988
-0.990
-0.992
-0.994
0
5
10
15
20
25
time in hours based on sc4

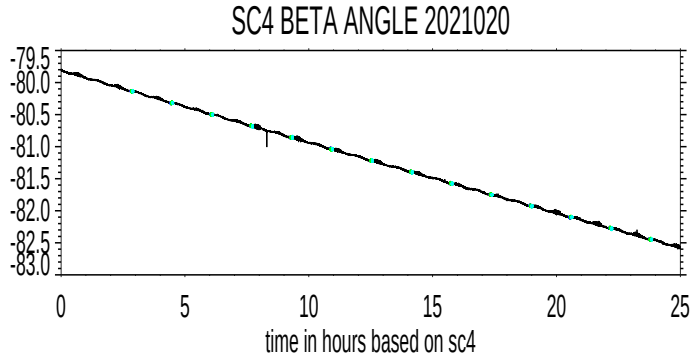

SUN_POS_Z 2021020
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2021020
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2021020
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2021020
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2021020
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2021020
-79.5
-80.0
-80.5
-81.0
-81.5
-82.0
-82.5
-83.0
0
5
10
15
20
25
time in hours based on sc4