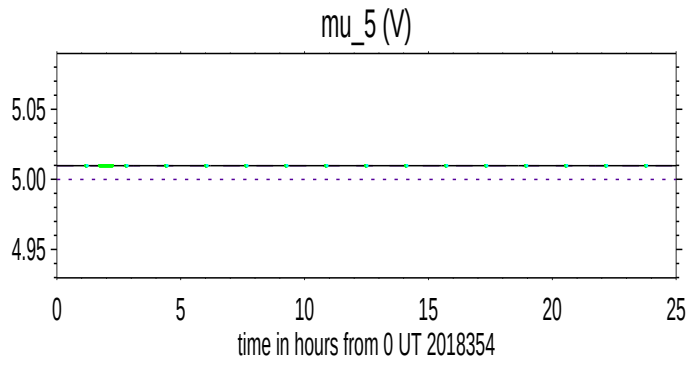
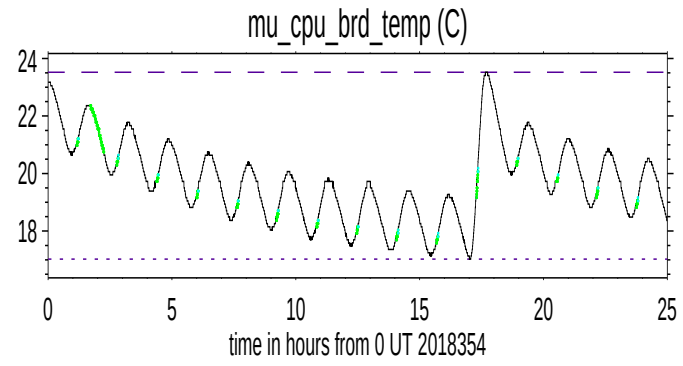
```
Information for      2018354
19:12:56.377: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
19:13:11.377: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
19:13:26.377: hk: 6 cmd pkt accepted   cmd = ODCs Loaded
```


mu_5 (V)
5.05
5.00
4.95
0
5
10
15
20
25
time in hours from 0 UT 2018354


mu_cpu_brd_temp (C)
24
22
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18
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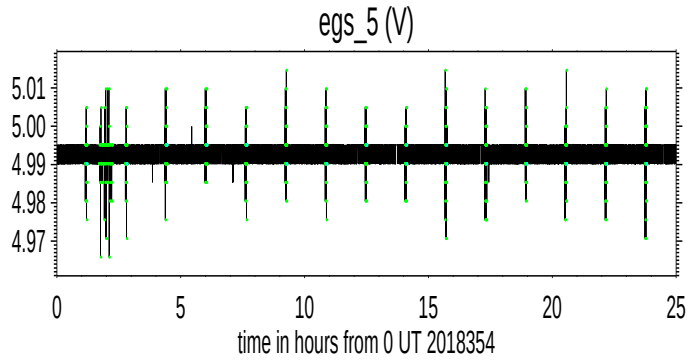
15
20
25
time in hours from 0 UT 2018354


egs_5 (V)
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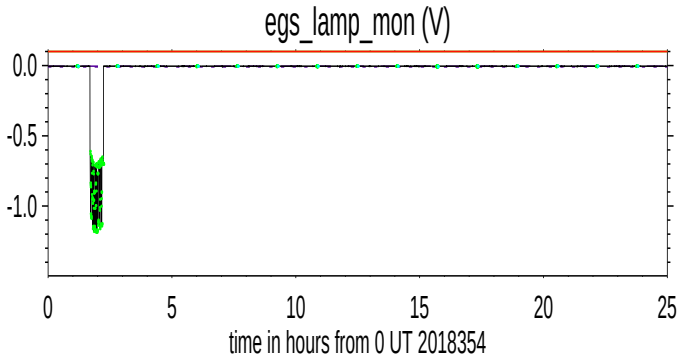
5.00
4.99
4.98
4.97
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_lamp_mon (V)
0.0
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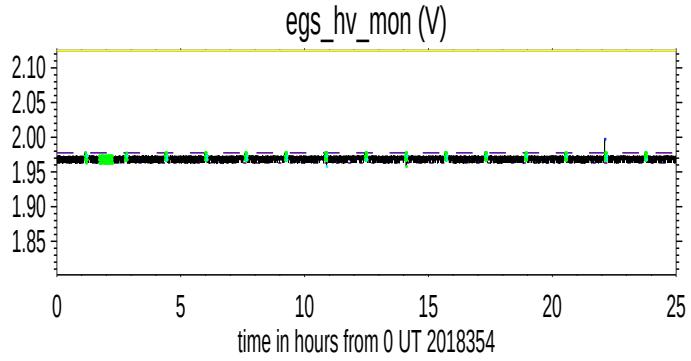
-1.0
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_hv_mon (V)
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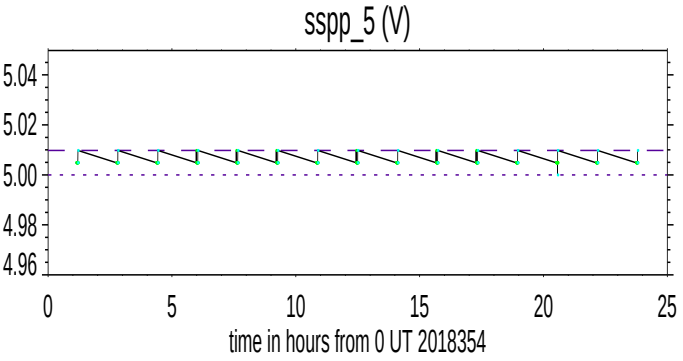
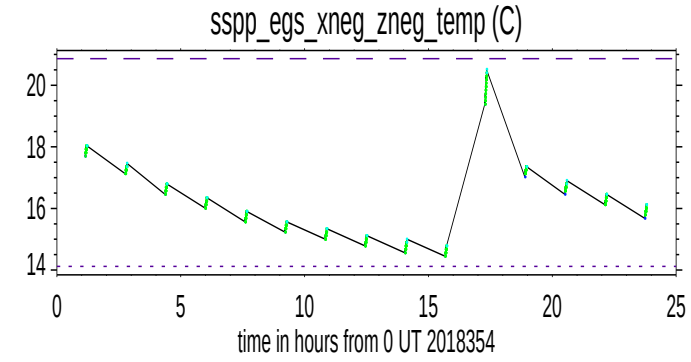
2.05
2.00
1.95
1.90
1.85
0
5
10
15
20
25
time in hours from 0 UT 2018354


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 2018354


sspp_egs_xneg_zneg_temp (C)
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18
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14
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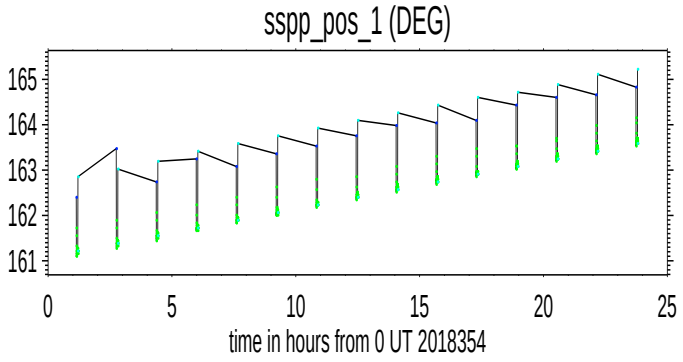
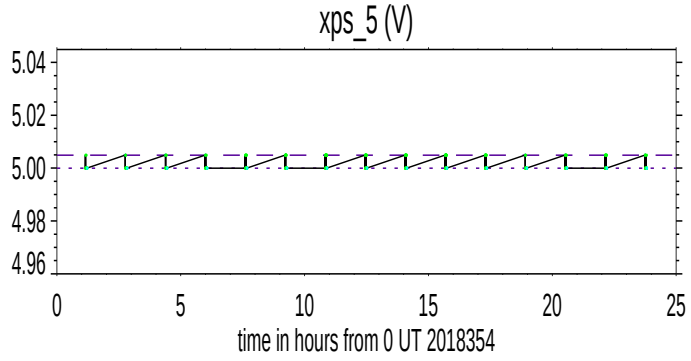
5
10
15
20
25
time in hours from 0 UT 2018354


sspp_pos_1 (DEG)
165
164
163
162
161
0
5
10
15
20
25
time in hours from 0 UT 2018354


xps_5 (V)
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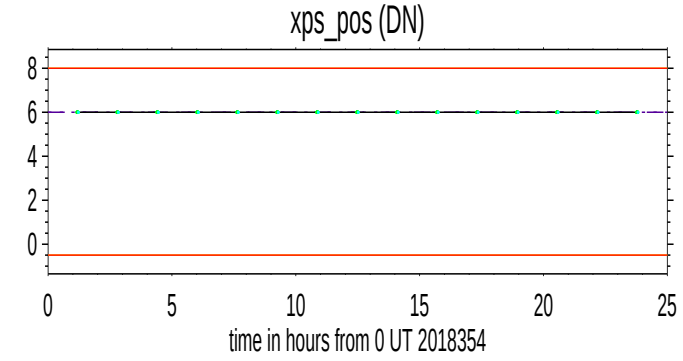
5.02
5.00
4.98
4.96
0
5
10
15
20
25
time in hours from 0 UT 2018354


xps_pos (DN)
8
6
4
2
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10
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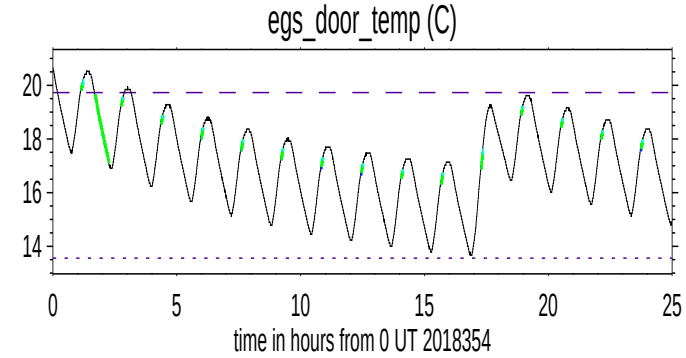
25
time in hours from 0 UT 2018354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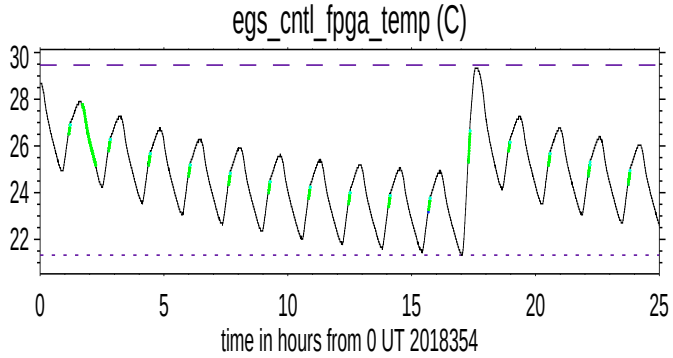
0
5
10
15
20
25
time in hours from 0 UT 2018354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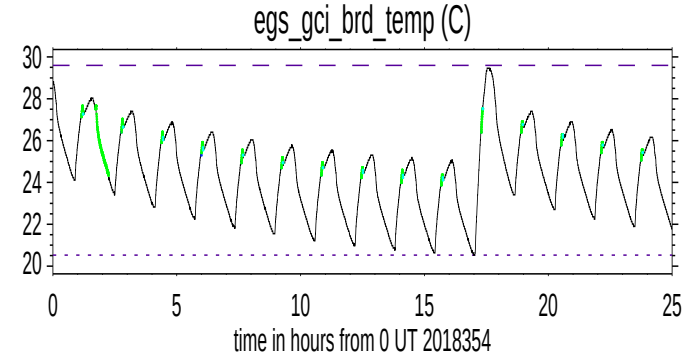
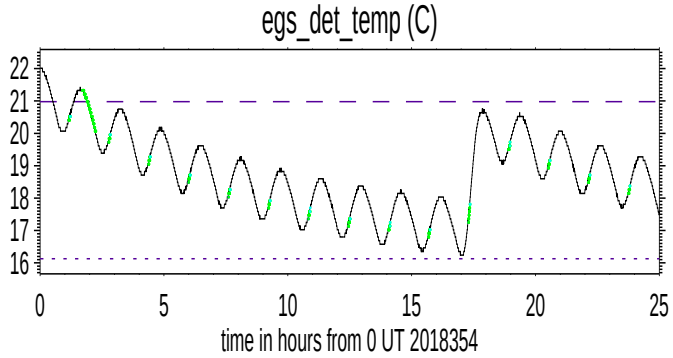
30
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_gci_brd_temp (C)
30
28
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018354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21
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16
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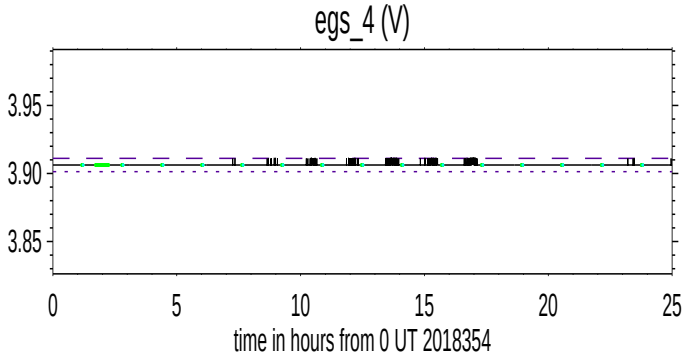
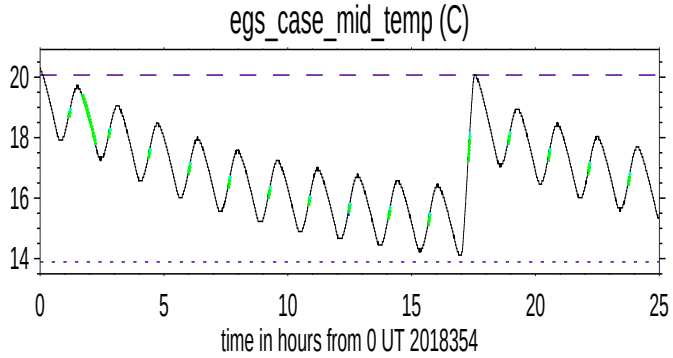
5
10
15
20
25
time in hours from 0 UT 2018354


egs_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018354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18
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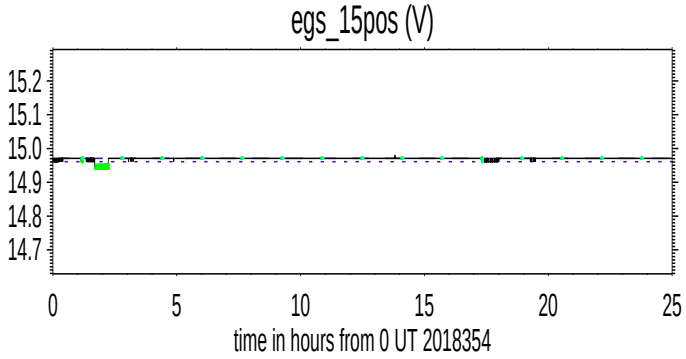
14
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_15pos (V)
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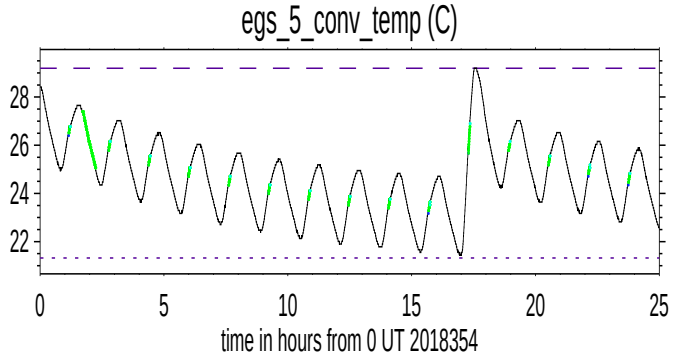
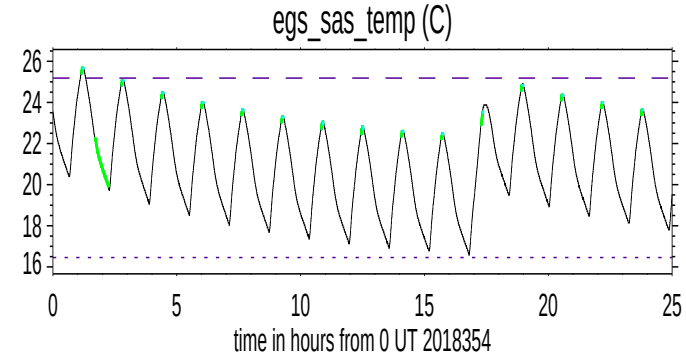
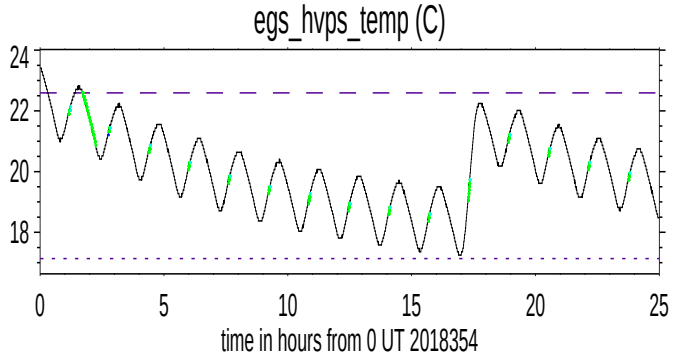
15.0
14.9
14.8
14.7
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_5_conv_temp (C)
28
26
24
22
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_sas_temp (C)
26
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018354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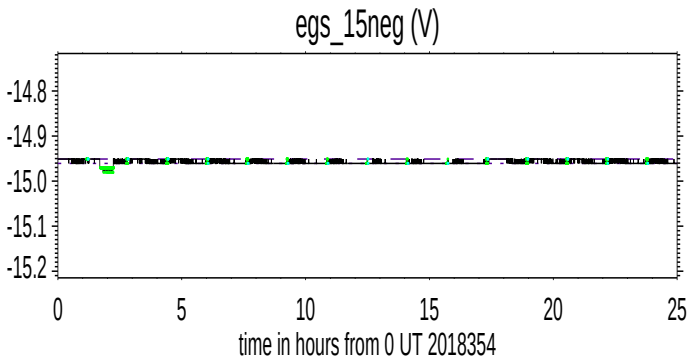
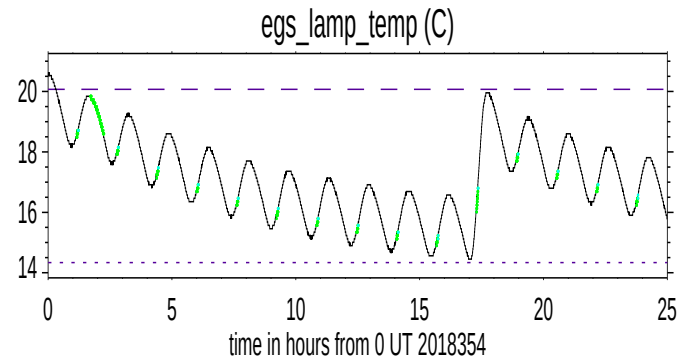
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018354


egs_15neg (V)
-14.8
-14.9
-15.0
-15.1
-15.2
0 5 10 15 20 25
time in hours from 0 UT 2018354


egs_lamp_temp (C)
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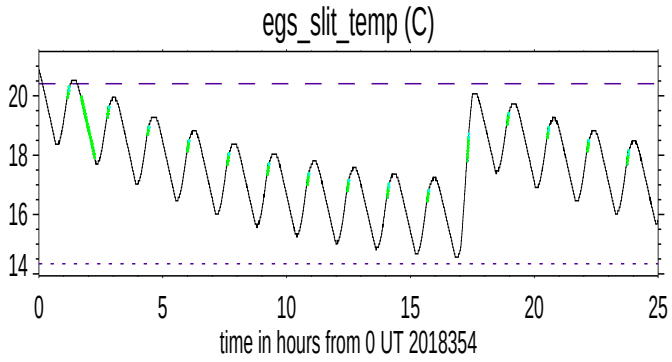
18
16
14
0 5 10 15 20 25
time in hours from 0 UT 2018354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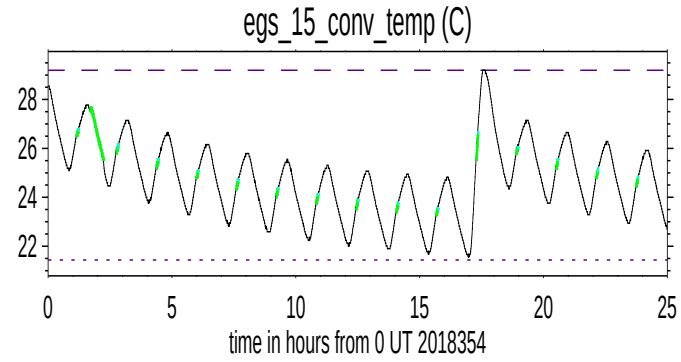
16
14
0 5 10 15 20 25
time in hours from 0 UT 2018354


egs_15_conv_temp (C)
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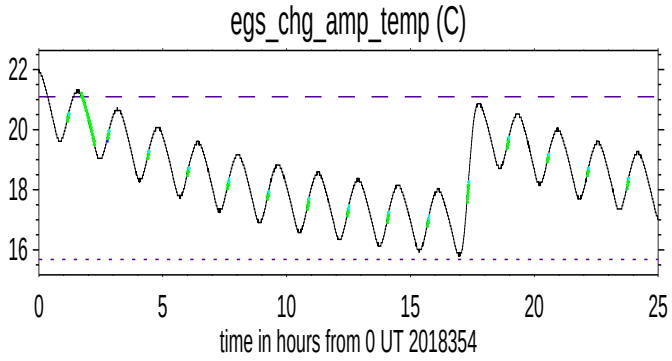
26
24
22
0 5 10 15 20 25
time in hours from 0 UT 2018354


egs_chg_amp_temp (C)
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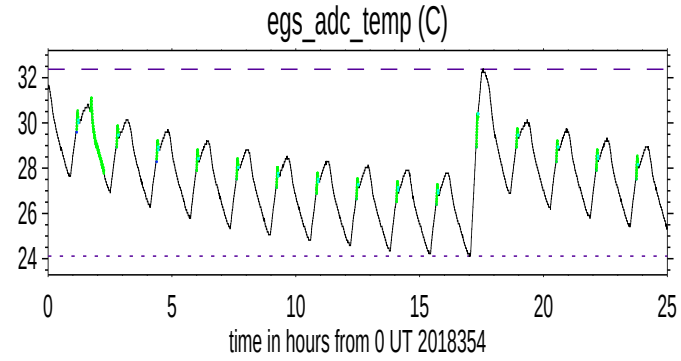
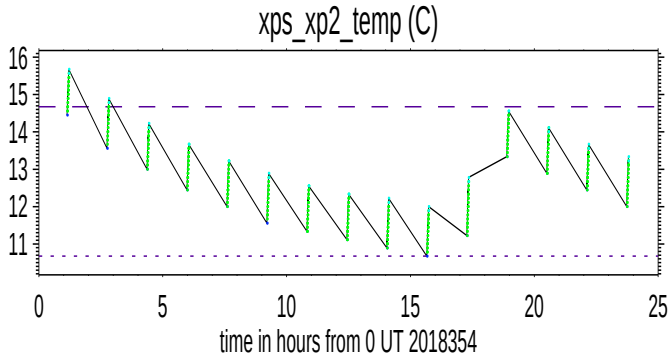
18
16
0 5 10 15 20 25
time in hours from 0 UT 2018354


egs_adc_temp (C)
32
30
28
26
24
0 5 10 15 20 25
time in hours from 0 UT 2018354


xps_xp2_temp (C)
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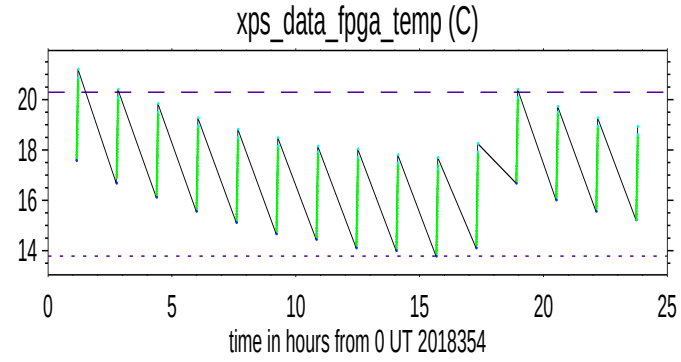
14
13
12
11
0 5 10 15 20 25
time in hours from 0 UT 2018354


xps_data_fpga_temp (C)
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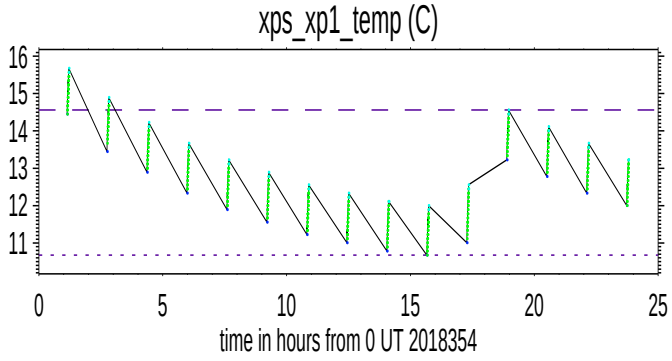
16
14
0 5 10 15 20 25
time in hours from 0 UT 2018354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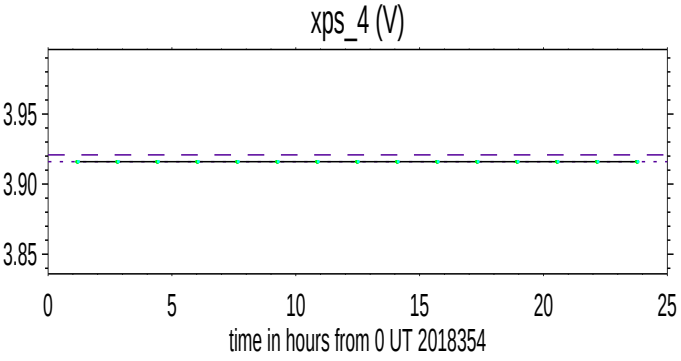
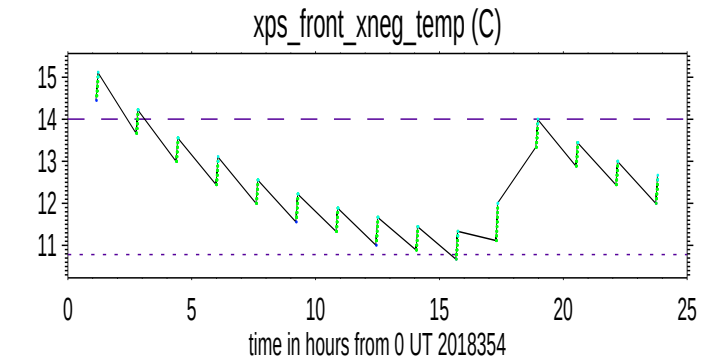
12
11
0 5 10 15 20 25
time in hours from 0 UT 2018354


xps_4 (V)
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2018354


xps_front_xneg_temp (C)
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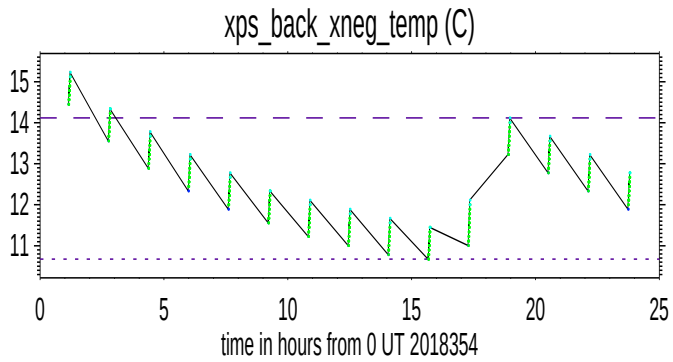
12
11
0
5
10
15
20
25
time in hours from 0 UT 2018354


xps_back_xneg_temp (C)
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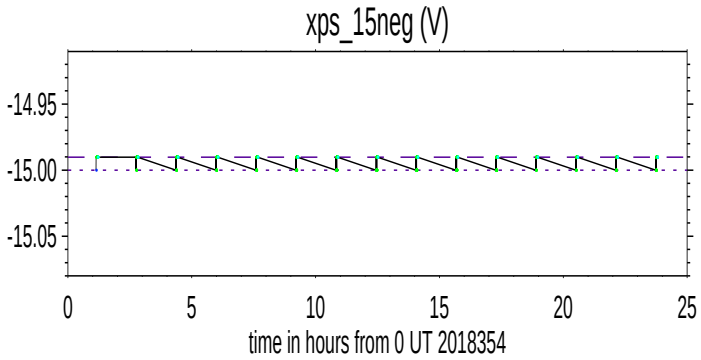
13
12
11
0
5
10
15
20
25
time in hours from 0 UT 2018354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-15.05
0
5
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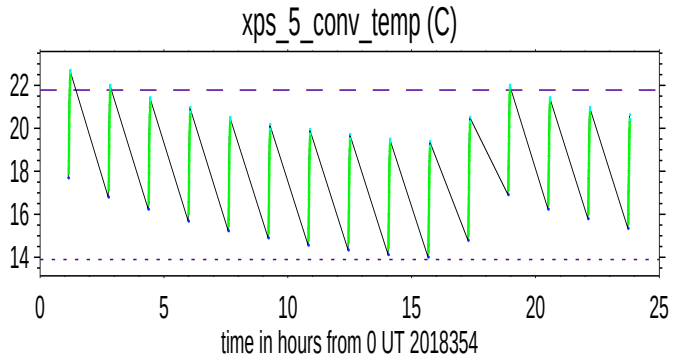
15
20
25
time in hours from 0 UT 2018354


xps_5_conv_temp (C)
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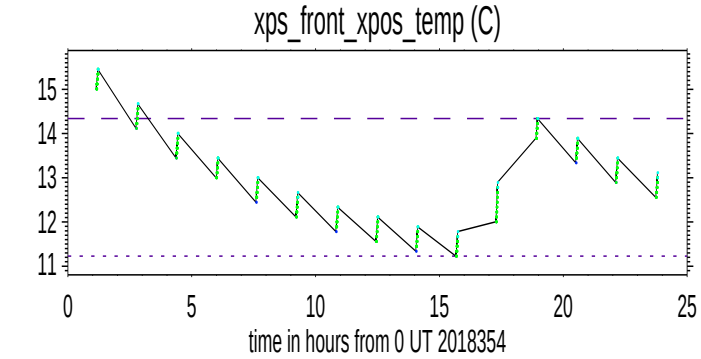
time in hours from 0 UT 2018354


xps_front_xpos_temp (C)
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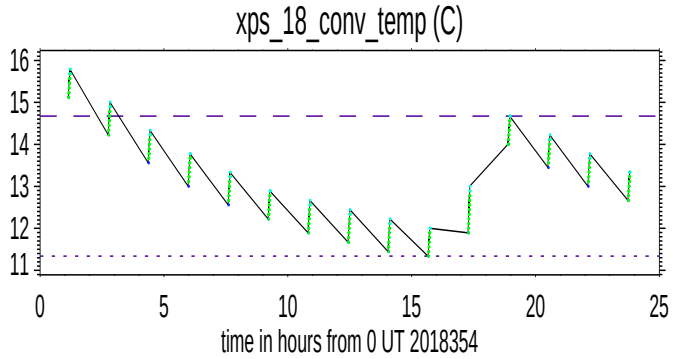
25
time in hours from 0 UT 2018354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15
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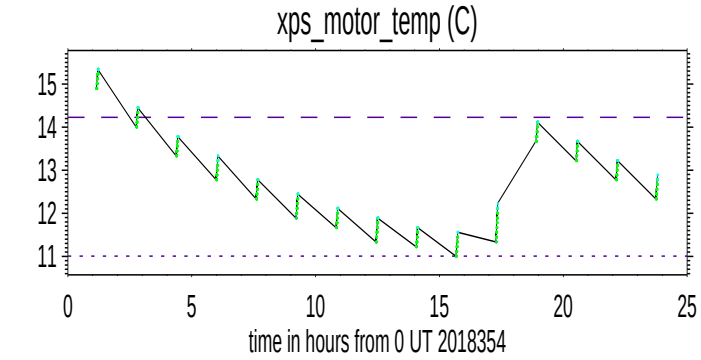
25
time in hours from 0 UT 2018354


xps_motor_temp (C)
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11
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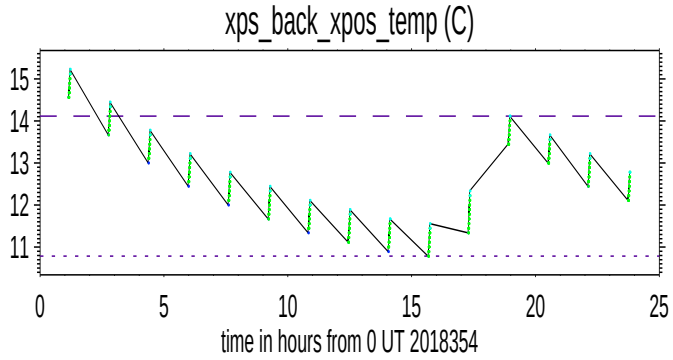
15
20
25
time in hours from 0 UT 2018354


xps_back_xpos_temp (C)
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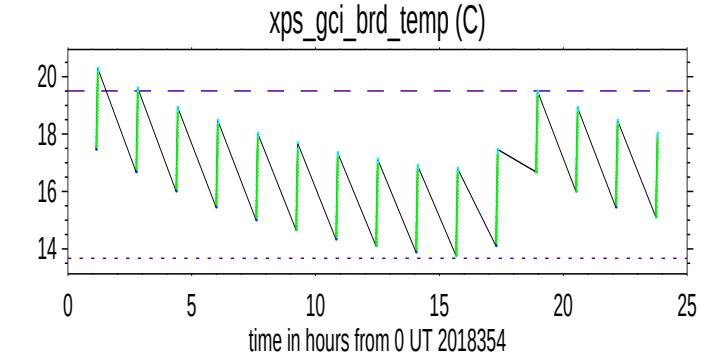
12
11
0
5
10
15
20
25
time in hours from 0 UT 2018354


xps_gci_brd_temp (C)
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14
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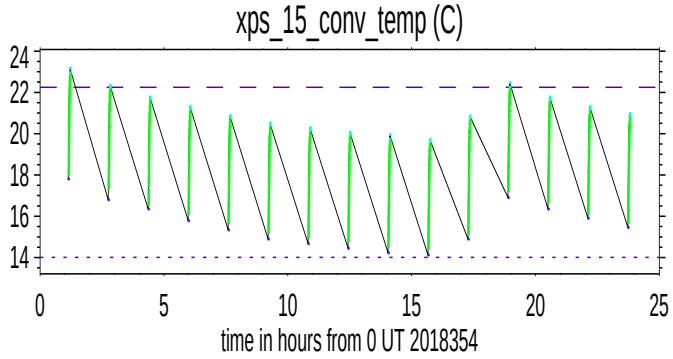
5
10
15
20
25
time in hours from 0 UT 2018354


xps_15_conv_temp (C)
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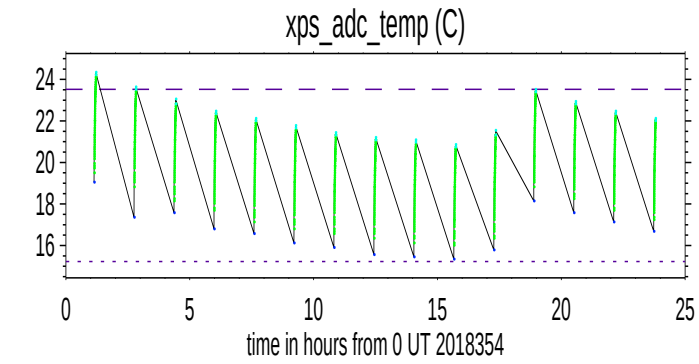
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354


xps_adc_temp (C)
24
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16
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10
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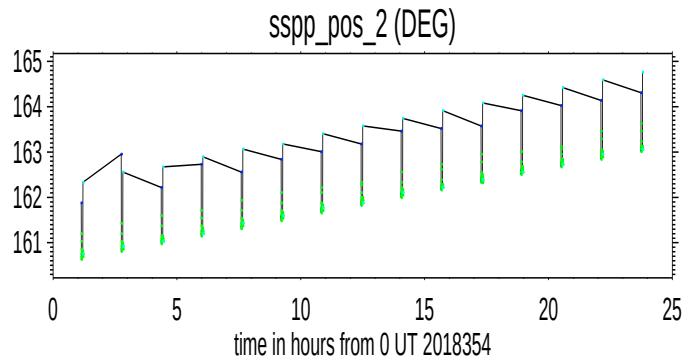
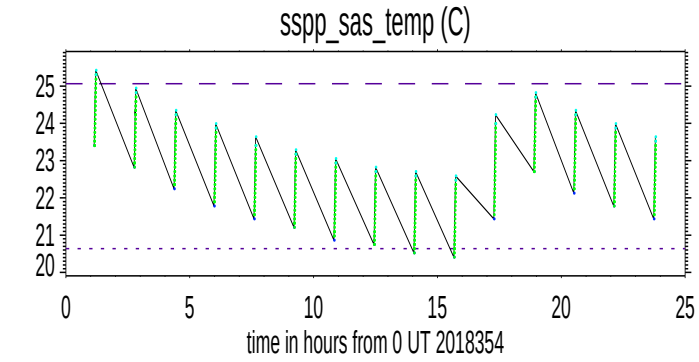
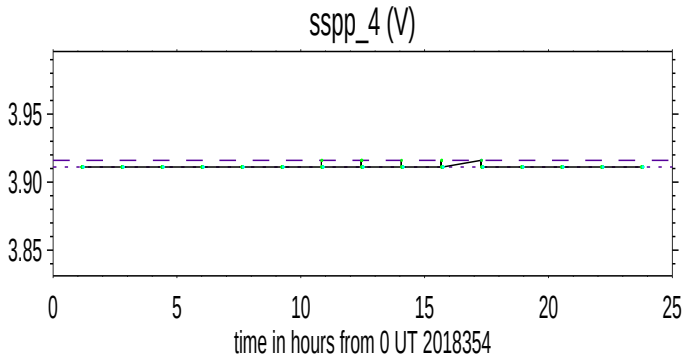
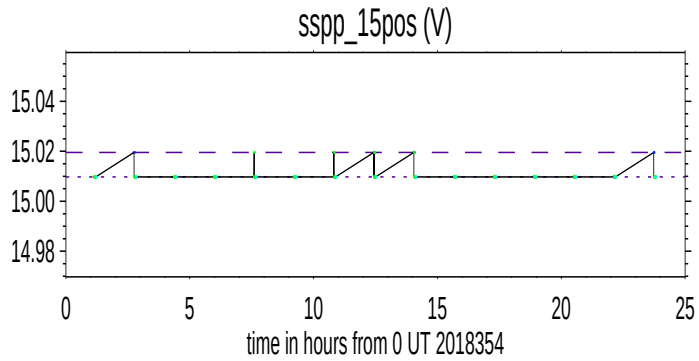
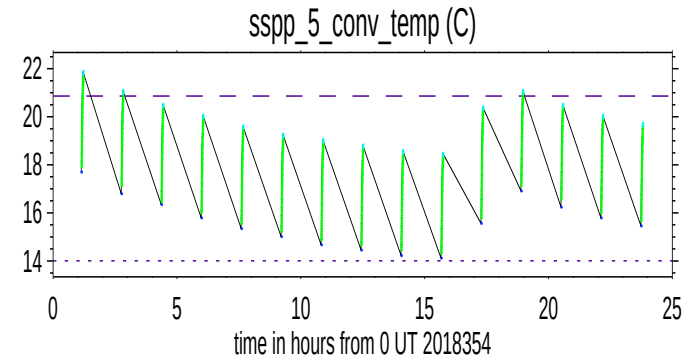
20
25
time in hours from 0 UT 2018354

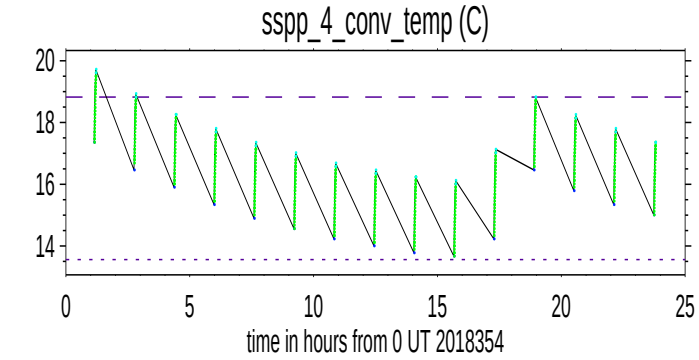

sspp_pos_2 (DEG)
165
164
163
162
161
0
5
10
15
20
25
time in hours from 0 UT 2018354

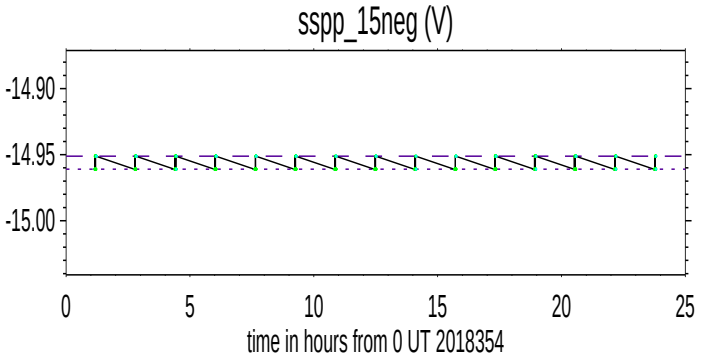

sspp_sas_temp (C)
25
24
23
22
21
20
0
5
10
15
20
25
time in hours from 0 UT 2018354

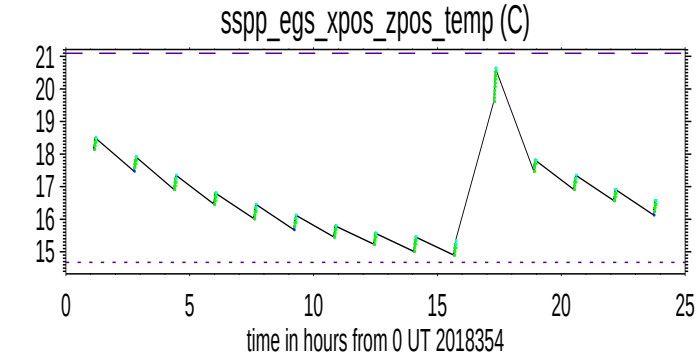

sspp_4 (V)
3.95
3.90
3.85
0
5
10
15
20
25
time in hours from 0 UT 2018354

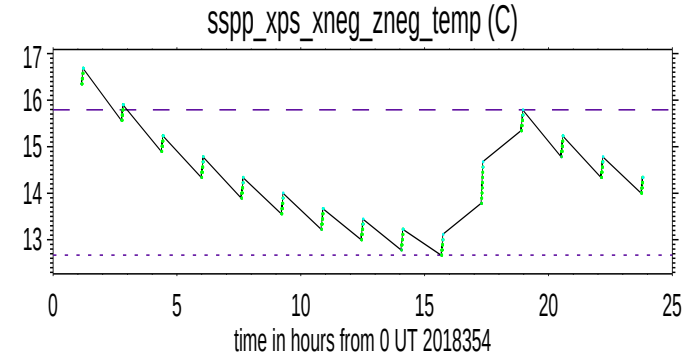

sspp_15pos (V)
15.04
15.02
15.00
14.98
0
5
10
15
20
25
time in hours from 0 UT 2018354

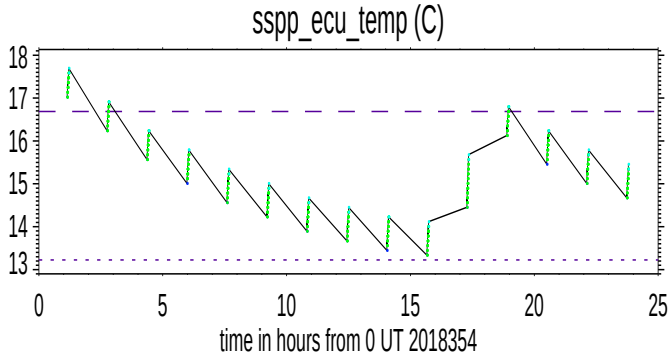

sspp_5_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

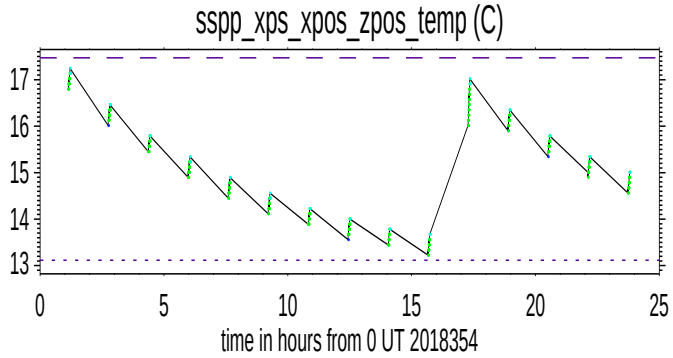

sspp_4_conv_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

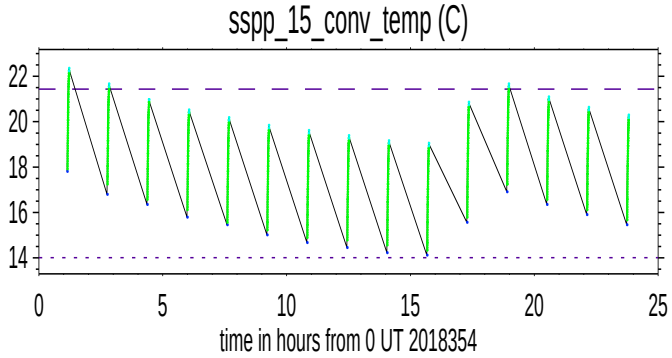

sspp_15neg (V)
-14.90
-14.95
-15.00
0
5
10
15
20
25
time in hours from 0 UT 2018354

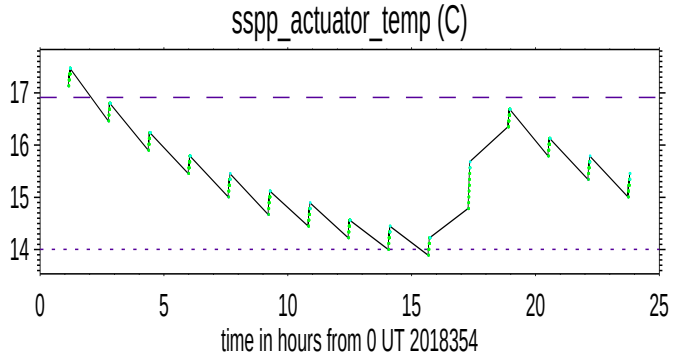

sspp_egs_xpos_zpos_temp (C)
21
20
19
18
17
16
15
0
5
10
15
20
25
time in hours from 0 UT 2018354

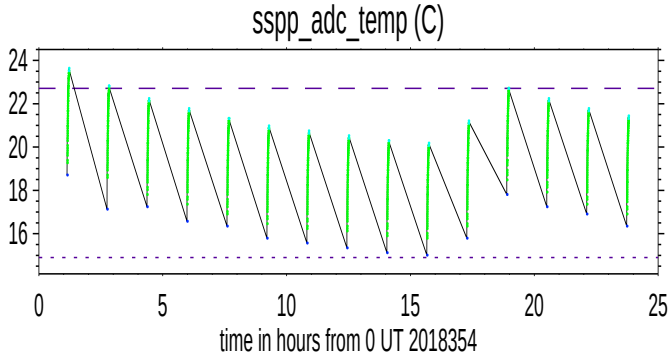

sspp_xps_xneg_zneg_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2018354

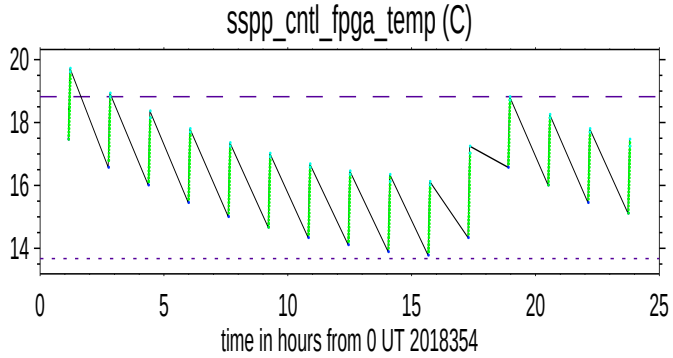

sspp_ecu_temp (C)
18
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2018354

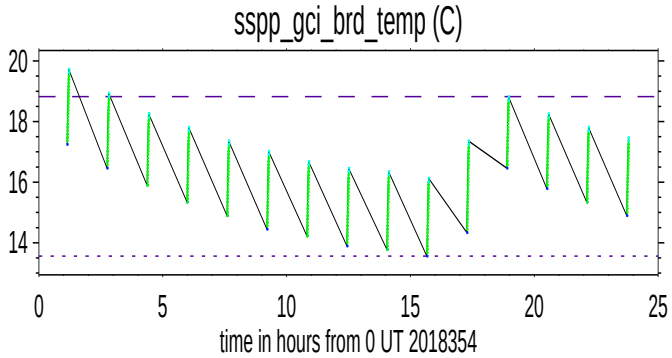

sspp_xps_xpos_zpos_temp (C)
17
16
15
14
13
0
5
10
15
20
25
time in hours from 0 UT 2018354

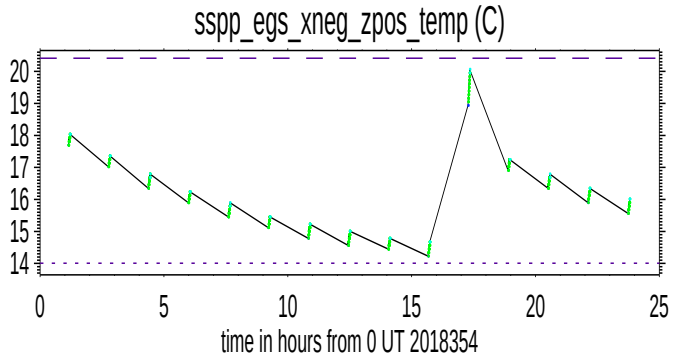

sspp_15_conv_temp (C)
22
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

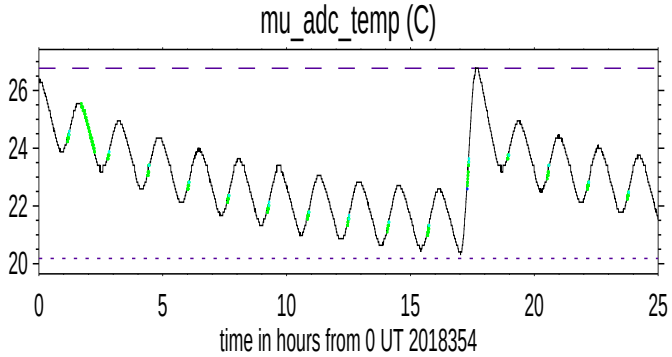

sspp_actuator_temp (C)
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

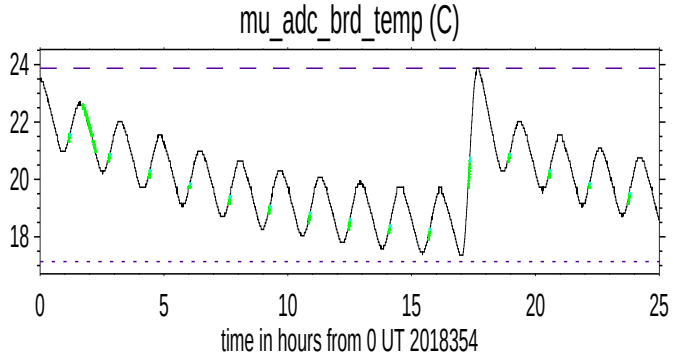

sspp_adc_temp (C)
24
22
20
18
16
0
5
10
15
20
25
time in hours from 0 UT 2018354

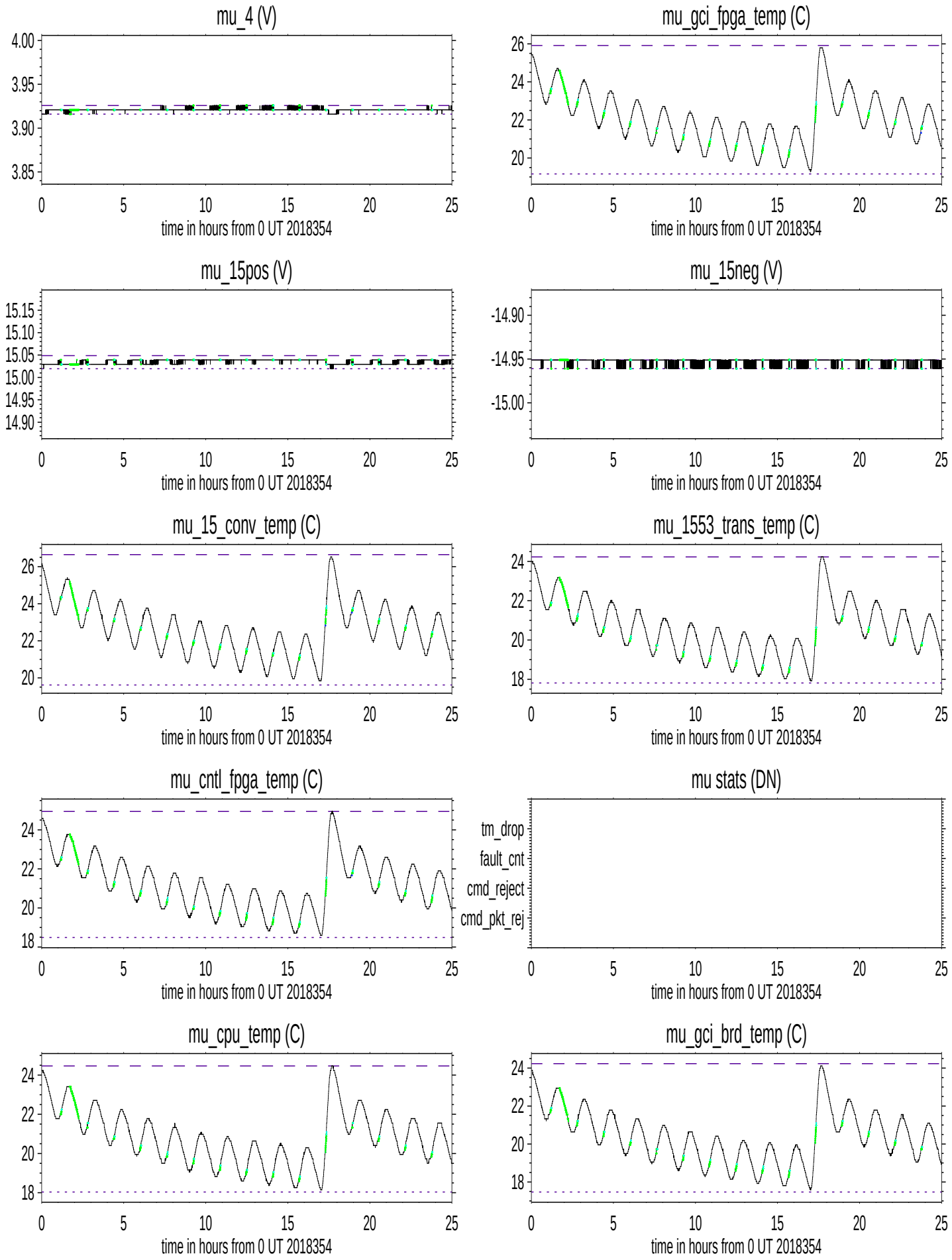

sspp_cntl_fpga_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

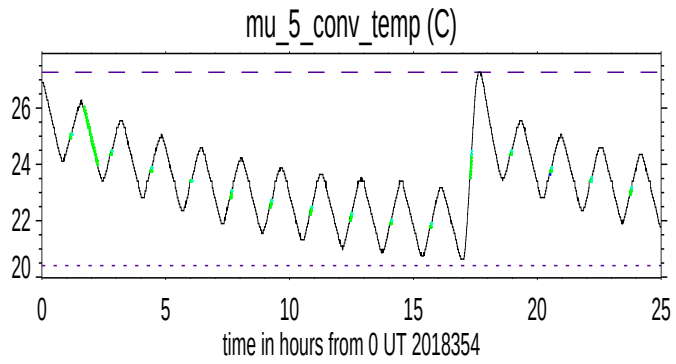

sspp_gci_brd_temp (C)
20
18
16
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

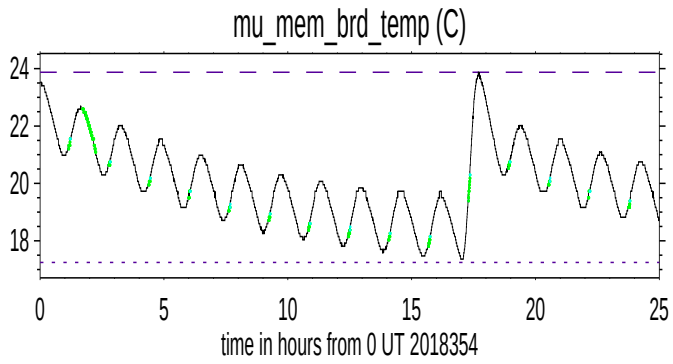

sspp_egs_xneg_zpos_temp (C)
20
19
18
17
16
15
14
0
5
10
15
20
25
time in hours from 0 UT 2018354

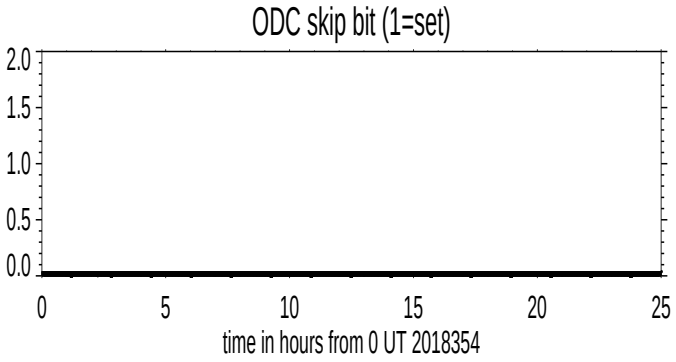

mu_adc_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018354

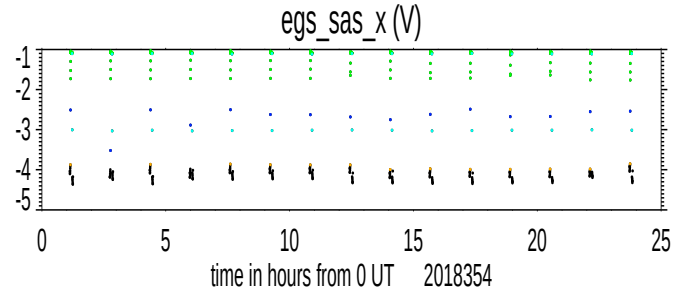

mu_adc_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018354

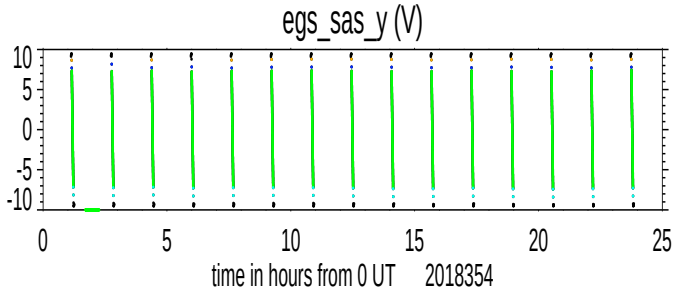

mu_4 (V)
4.00
3.95
3.90
3.85
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_gci_fpga_temp (C)
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_15pos (V)
15.15
15.10
15.05
15.00
14.95
14.90
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_15neg (V)
-14.90
-14.95
-15.00
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_15_conv_temp (C)
26
24
22
20
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_1553_trans_temp (C)
24
22
20
18
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_cntl_fpga_temp (C)
24
22
20
18
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu stats (DN)
tm_drop
fault_cnt
cmd_reject
cmd_pkt_rej
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_cpu_temp (C)
24
22
20
18
0 5 10 15 20 25
time in hours from 0 UT 2018354
mu_gci_brd_temp (C)
24
22
20
18
0 5 10 15 20 25
time in hours from 0 UT 2018354

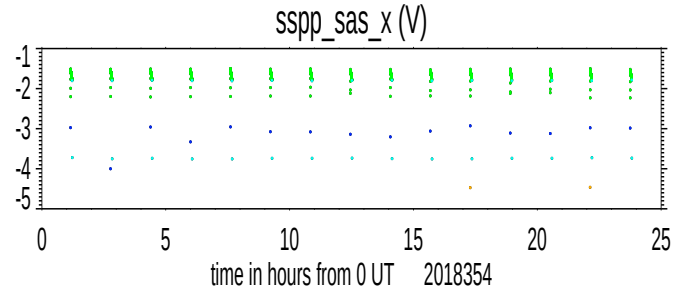

mu_5_conv_temp (C)
26
24
22
20
0
5
10
15
20
25
time in hours from 0 UT 2018354

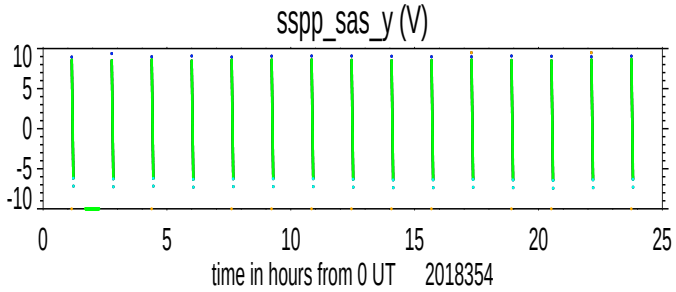

mu_mem_brd_temp (C)
24
22
20
18
0
5
10
15
20
25
time in hours from 0 UT 2018354

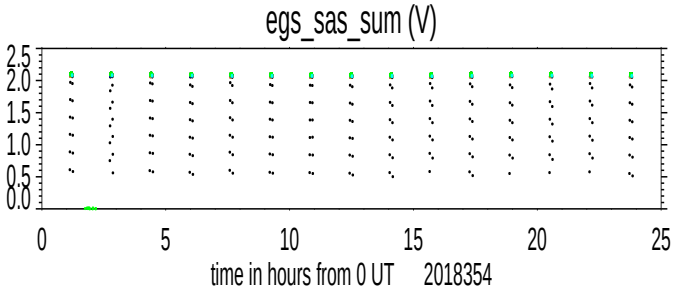

ODC skip bit (1=set)
2.0
1.5
1.0
0.5
0.0
0
5
10
15
20
25
time in hours from 0 UT 2018354

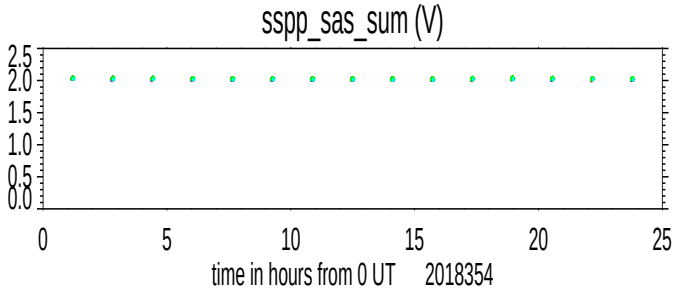

egs_sas_x (V)
time in hours from 0 UT 2018354

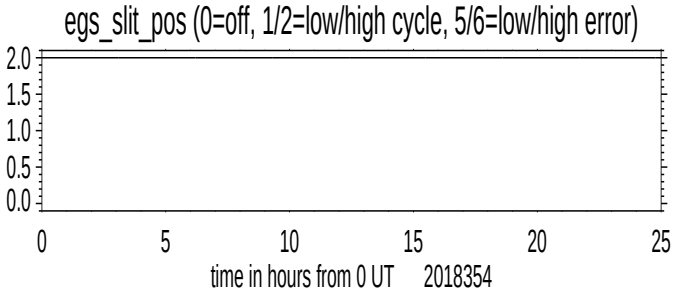

egs_sas_y (V)
time in hours from 0 UT 2018354

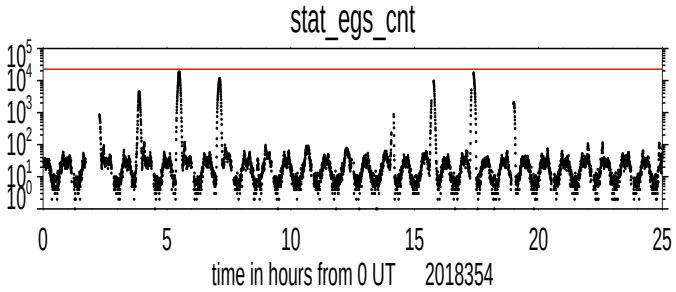

sspp_sas_x (V)
time in hours from 0 UT 2018354

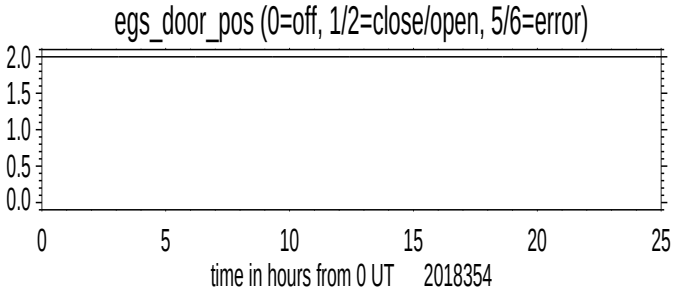

sspp_sas_y (V)
time in hours from 0 UT 2018354

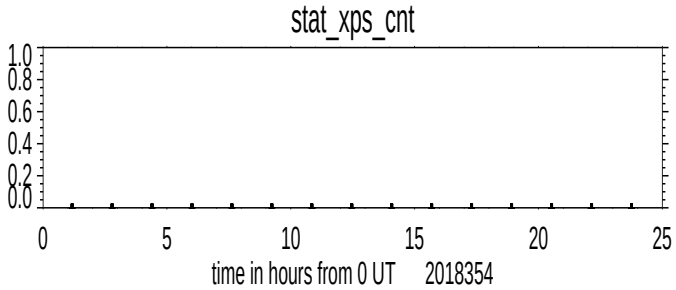

egs_sas_sum (V)
time in hours from 0 UT 2018354

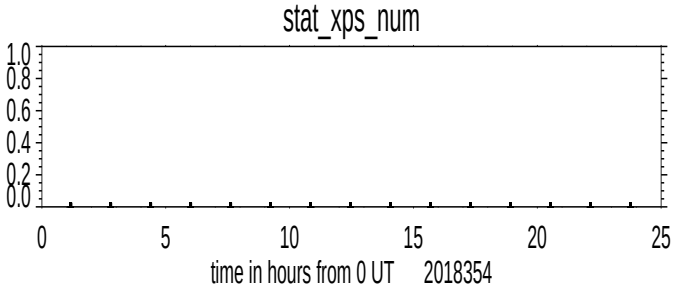

sspp_sas_sum (V)
time in hours from 0 UT 2018354

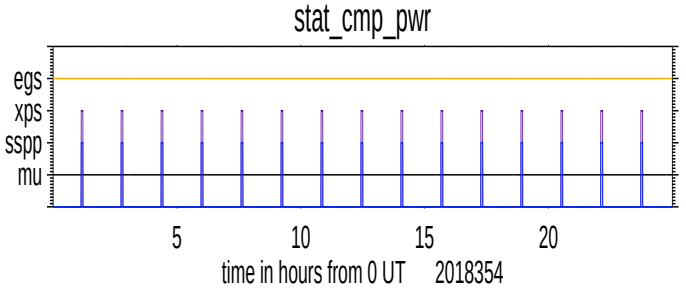

egs_slit_pos (0=off, 1/2=low/high cycle, 5/6=low/high error)
time in hours from 0 UT 2018354


stat_egs_cnt
time in hours from 0 UT 2018354

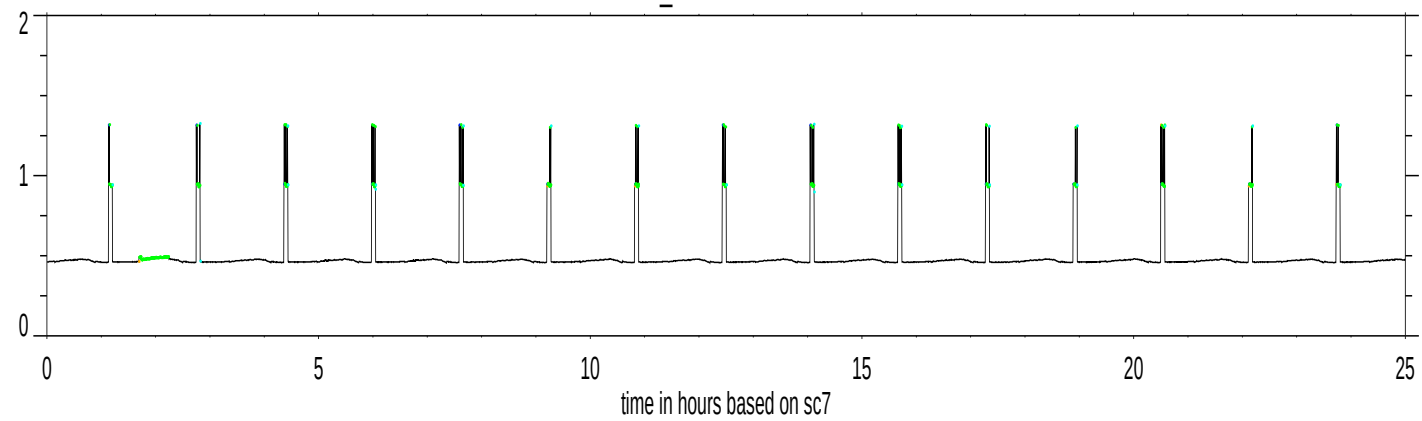

egs_door_pos (0=off, 1/2=close/open, 5/6=error)
time in hours from 0 UT 2018354


stat_xps_cnt
time in hours from 0 UT 2018354

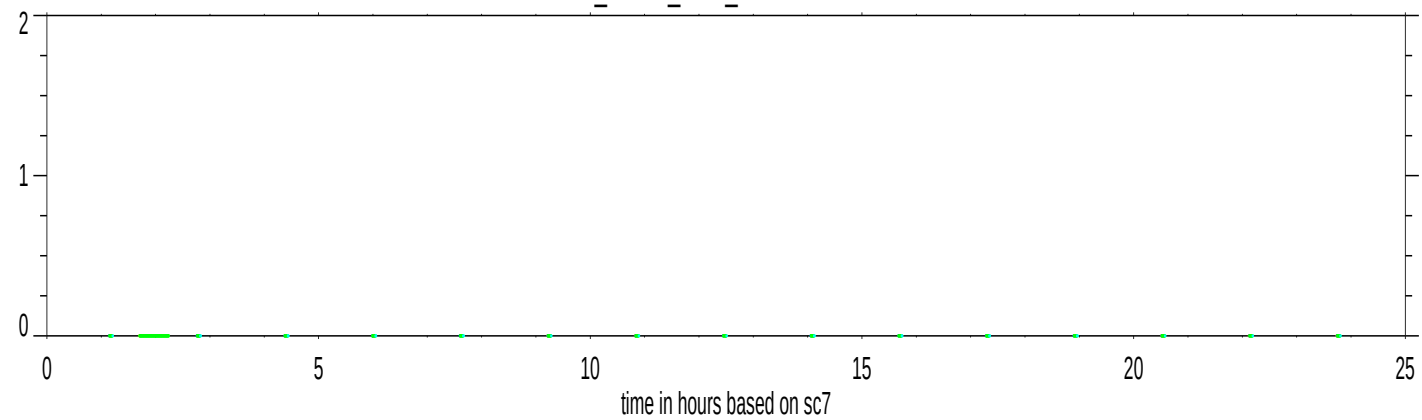

stat_xps_num
time in hours from 0 UT 2018354


stat_cmp_pwr
egs
xps
sspp
mu
time in hours from 0 UT 2018354

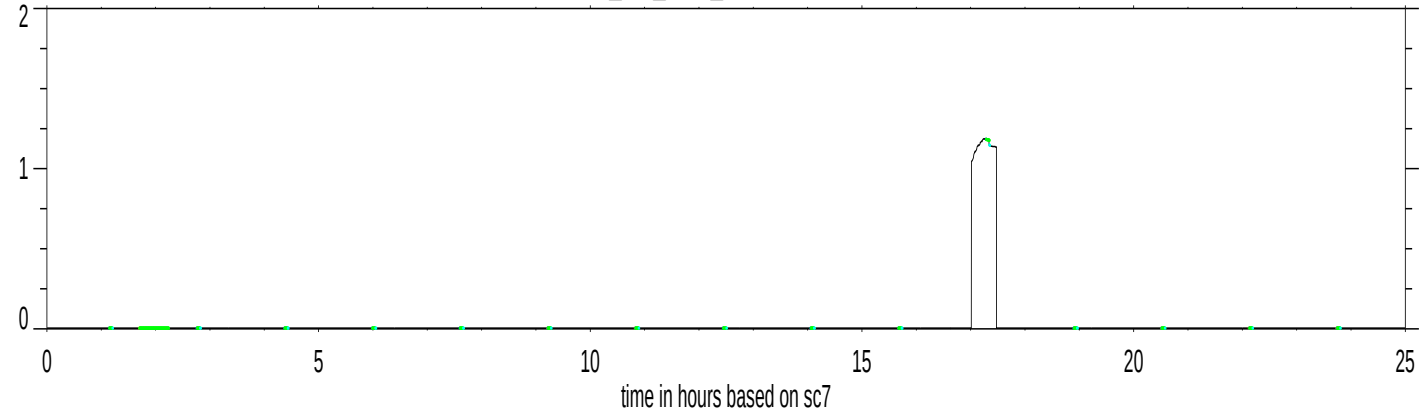
SEE_CUR 2018354



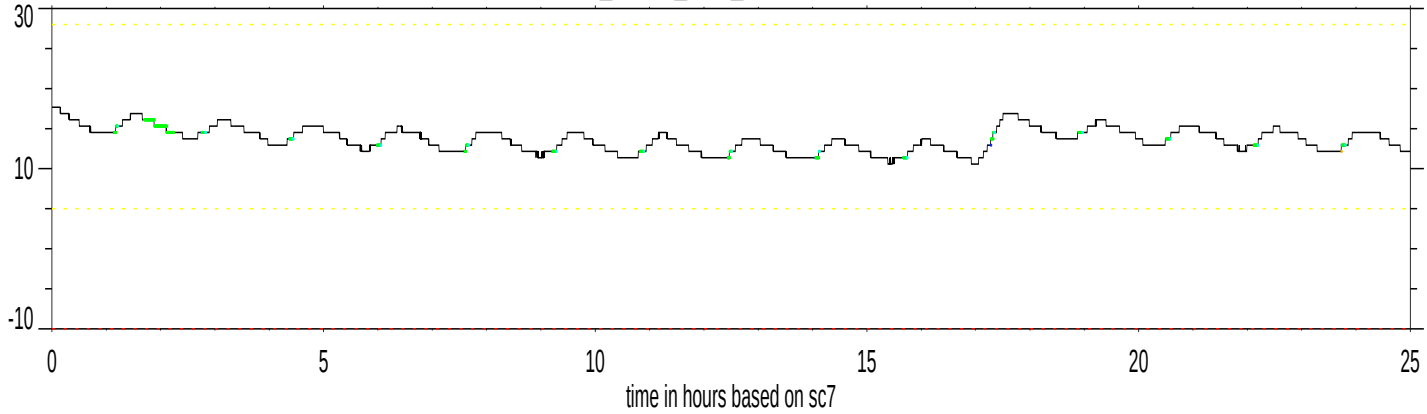
SEE_SURV_HTR_CUR 2018354



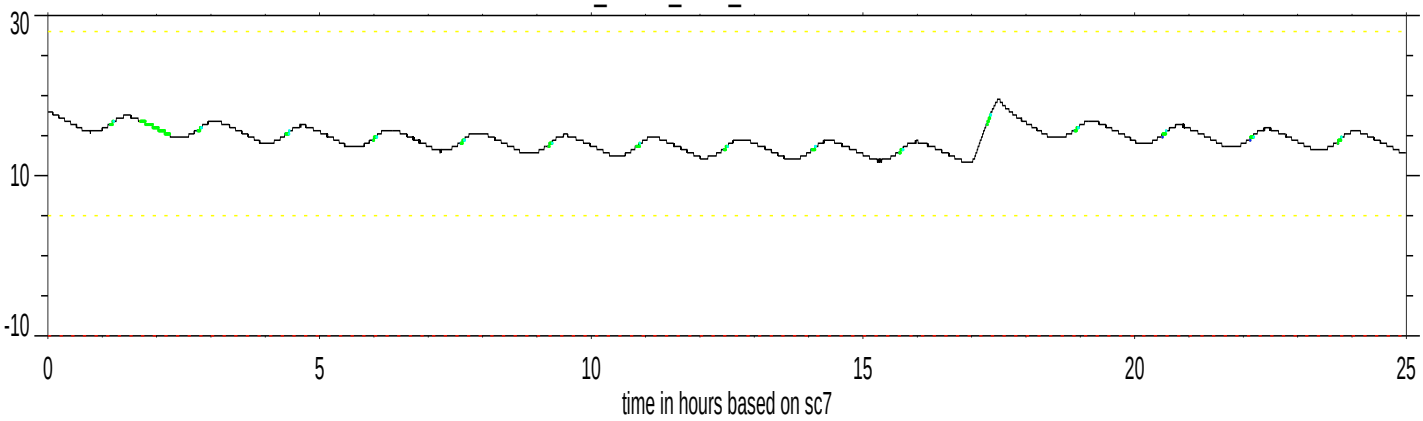
SEE_OP_HTR_CUR 2018354



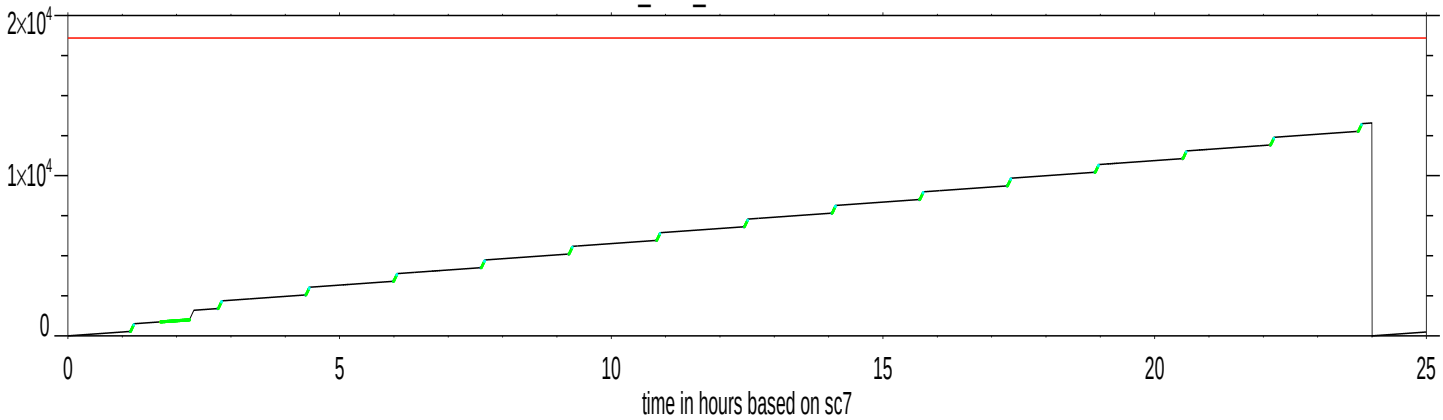
SSPP_BHND_XPS_TEMP 2018354



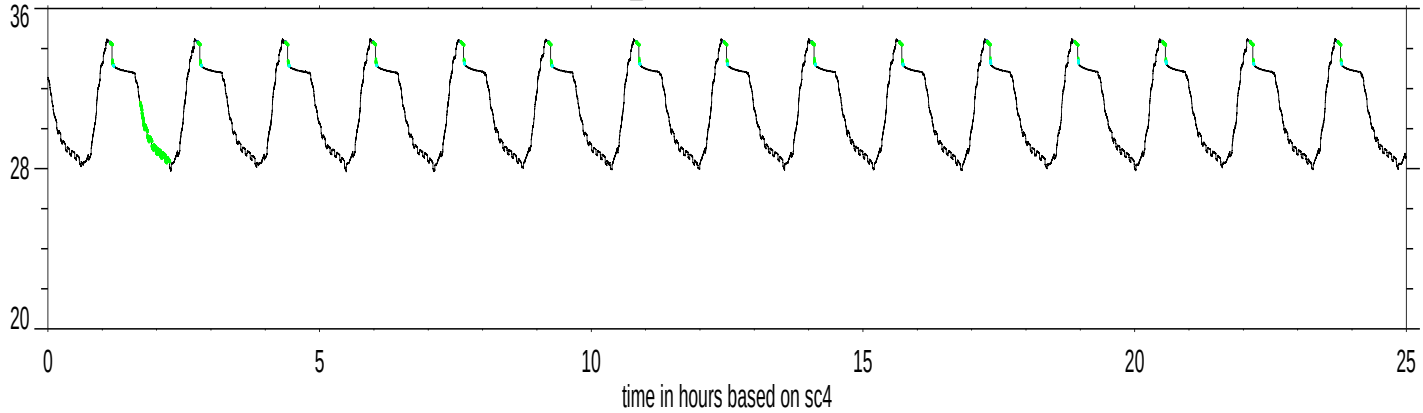
SSPP_BHND_MTR_TEMP 2018354



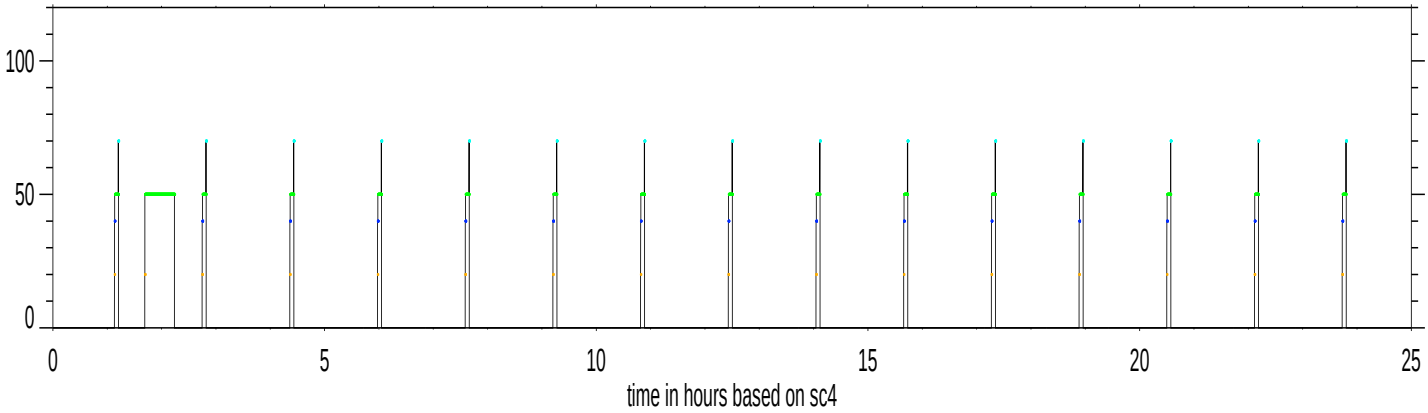
SEE_PKT_COUNT 2018354

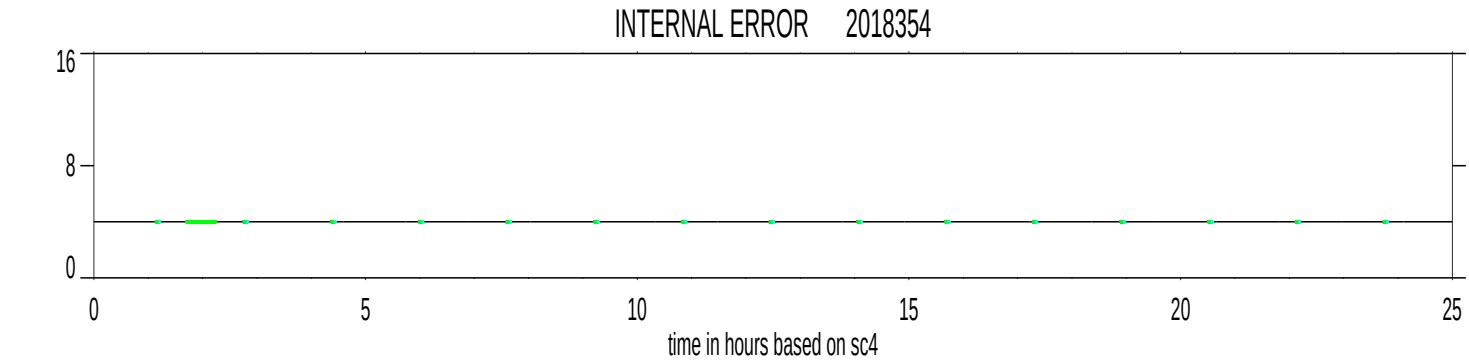


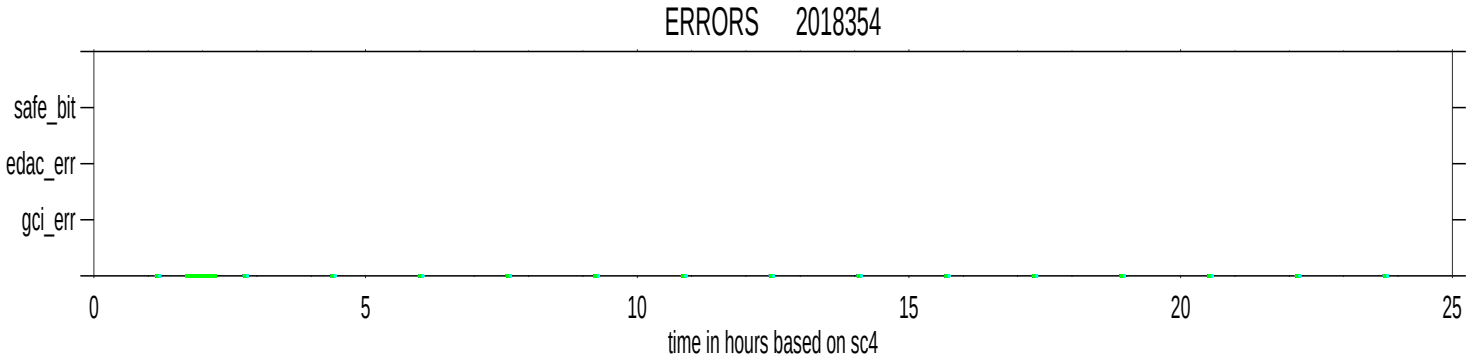
BUS_VOLTAGE 2018354

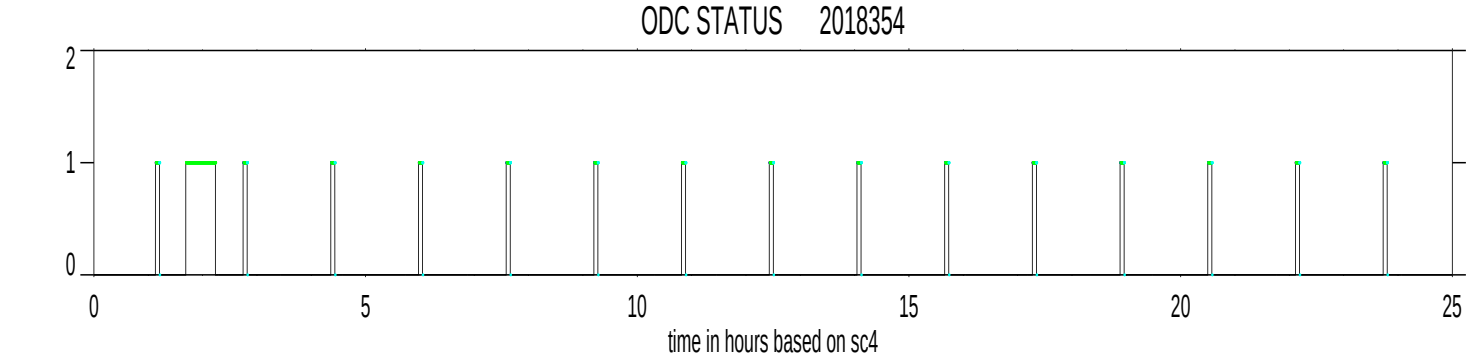


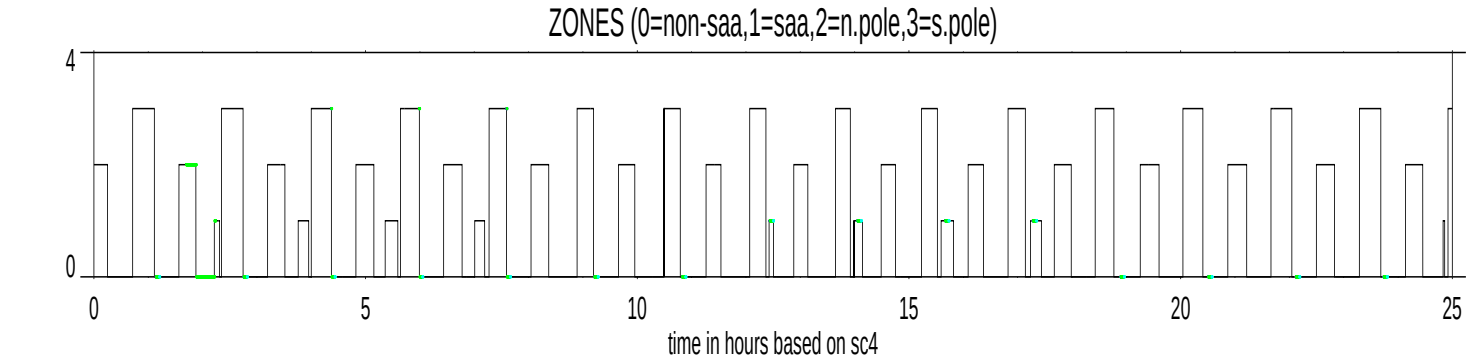
SEE_MU Operational Mode 2018354

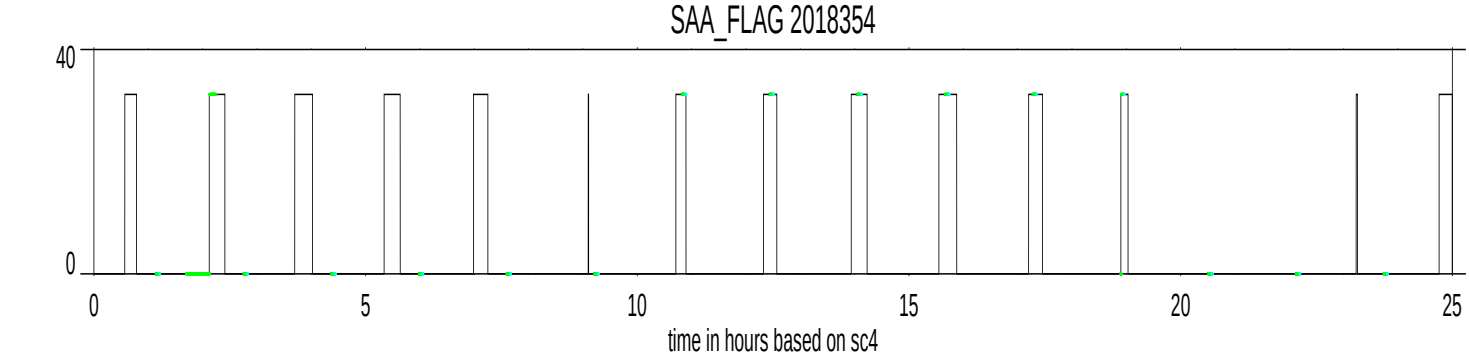


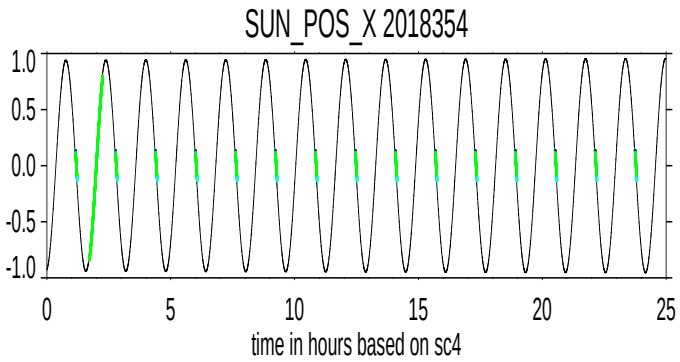

INTERNAL ERROR 2018354
16
8
0
0
5
10
15
20
25
time in hours based on sc4

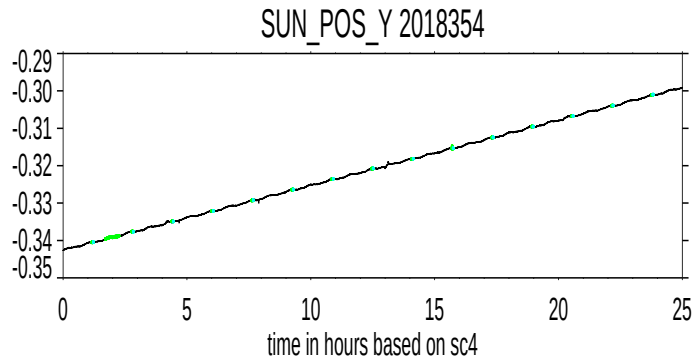

ERRORS 2018354
safe_bit
edac_err
gci_err
0
5
10
15
20
25
time in hours based on sc4

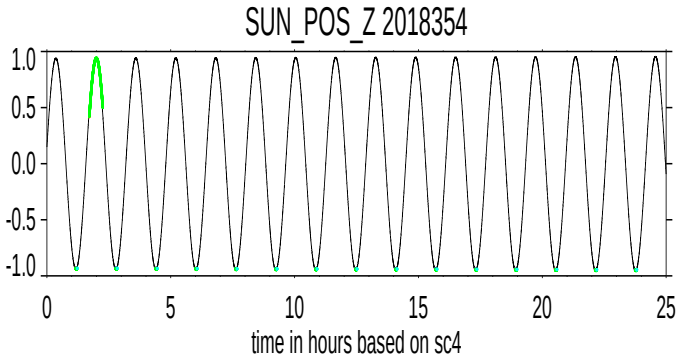

ODC STATUS 2018354
2
1
0
0
5
10
15
20
25
time in hours based on sc4

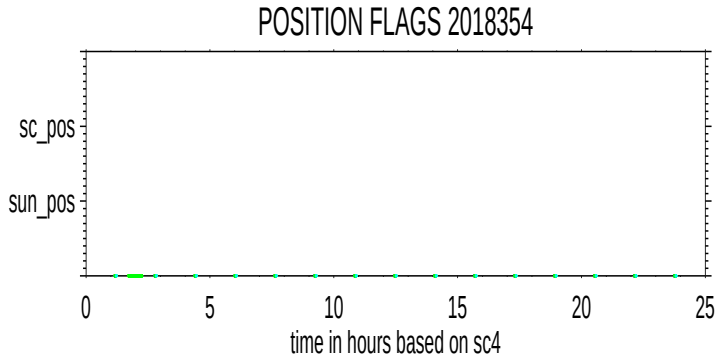

ZONES (0=non-saa,1=saa,2=n.pole,3=s.pole)
4
0
0
5
10
15
20
25
time in hours based on sc4

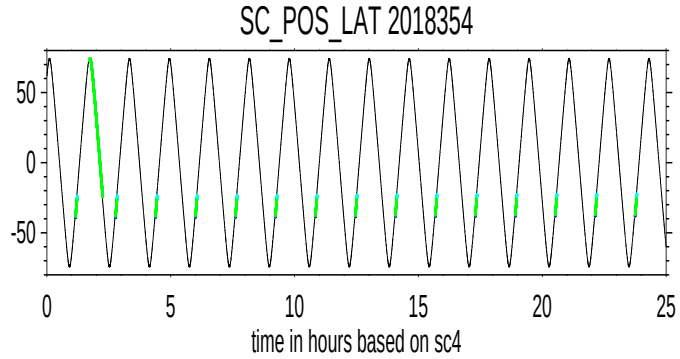

SAA_FLAG 2018354
40
0
0
5
10
15
20
25
time in hours based on sc4

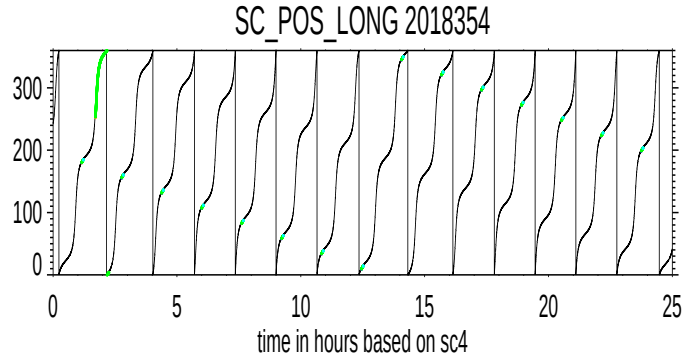

SUN_POS_X 2018354
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4

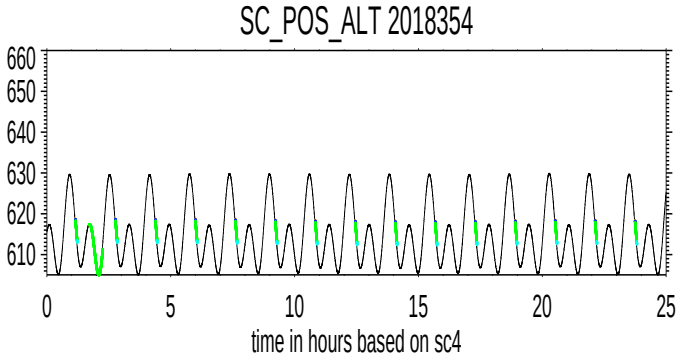

SUN_POS_Y 2018354
-0.29
-0.30
-0.31
-0.32
-0.33
-0.34
-0.35
0
5
10
15
20
25
time in hours based on sc4

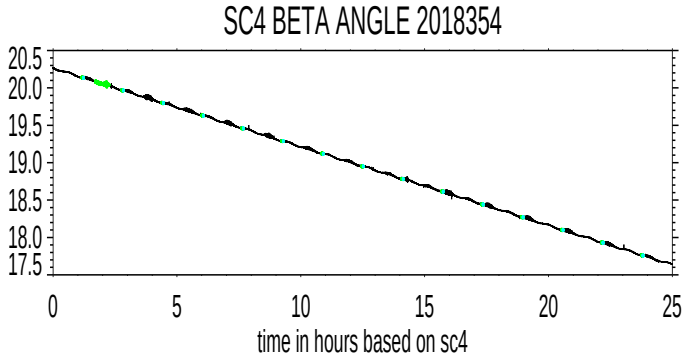

SUN_POS_Z 2018354
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
20
25
time in hours based on sc4


POSITION FLAGS 2018354
sc_pos
sun_pos
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LAT 2018354
50
0
-50
0
5
10
15
20
25
time in hours based on sc4


SC_POS_LONG 2018354
300
200
100
0
0
5
10
15
20
25
time in hours based on sc4


SC_POS_ALT 2018354
660
650
640
630
620
610
0
5
10
15
20
25
time in hours based on sc4


SC4 BETA ANGLE 2018354
20.5
20.0
19.5
19.0
18.5
18.0
17.5
0
5
10
15
20
25
time in hours based on sc4