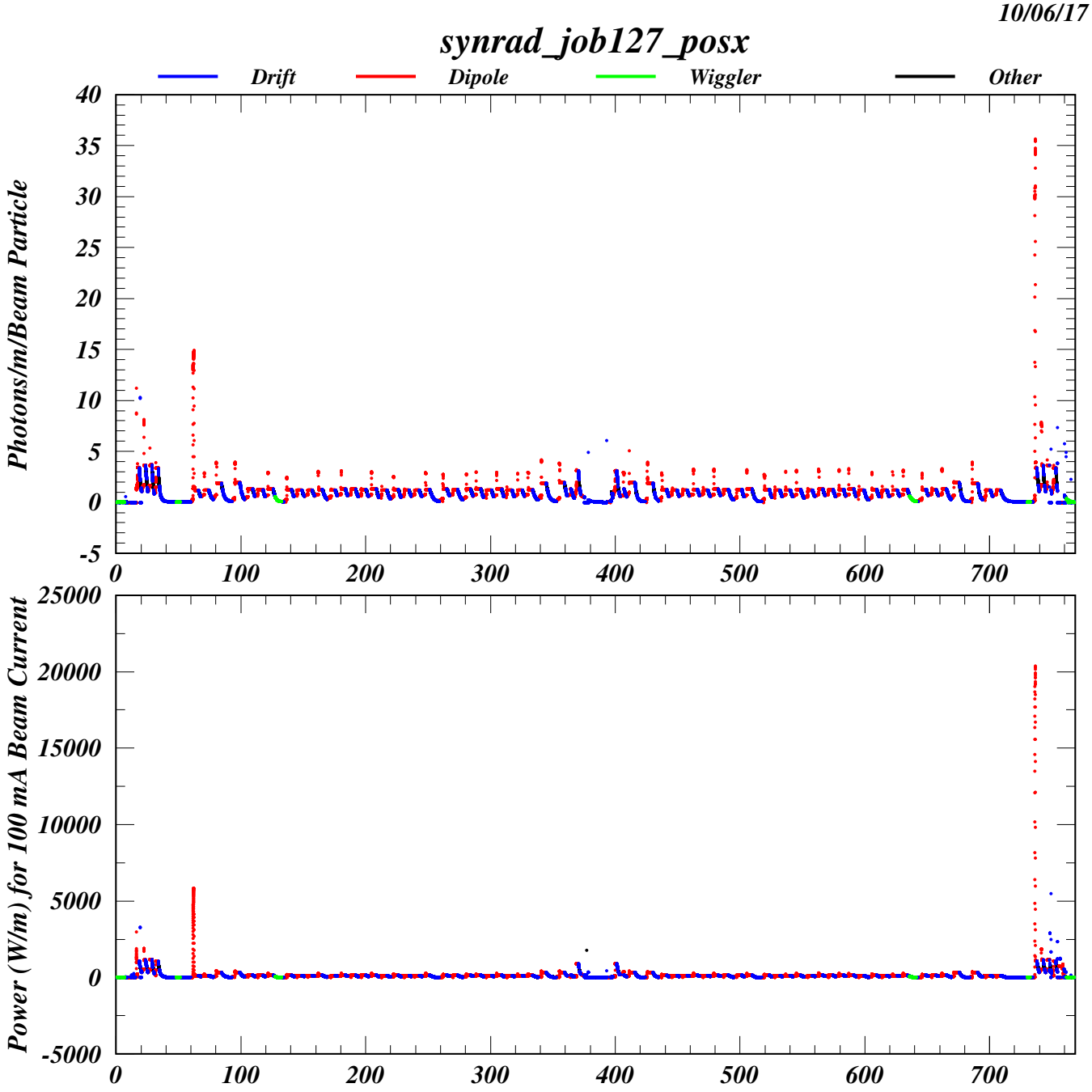
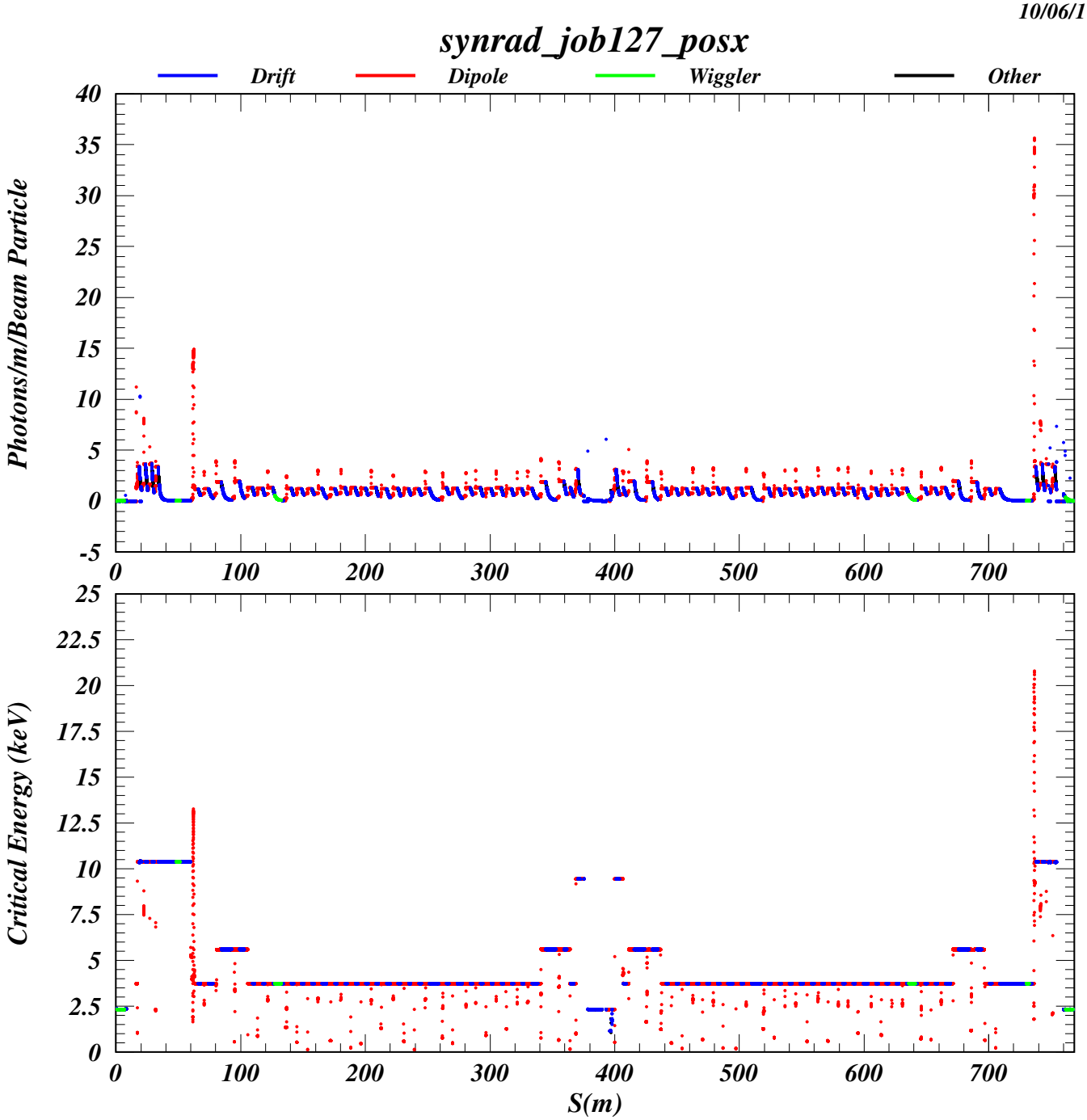
10/06/17 15.21

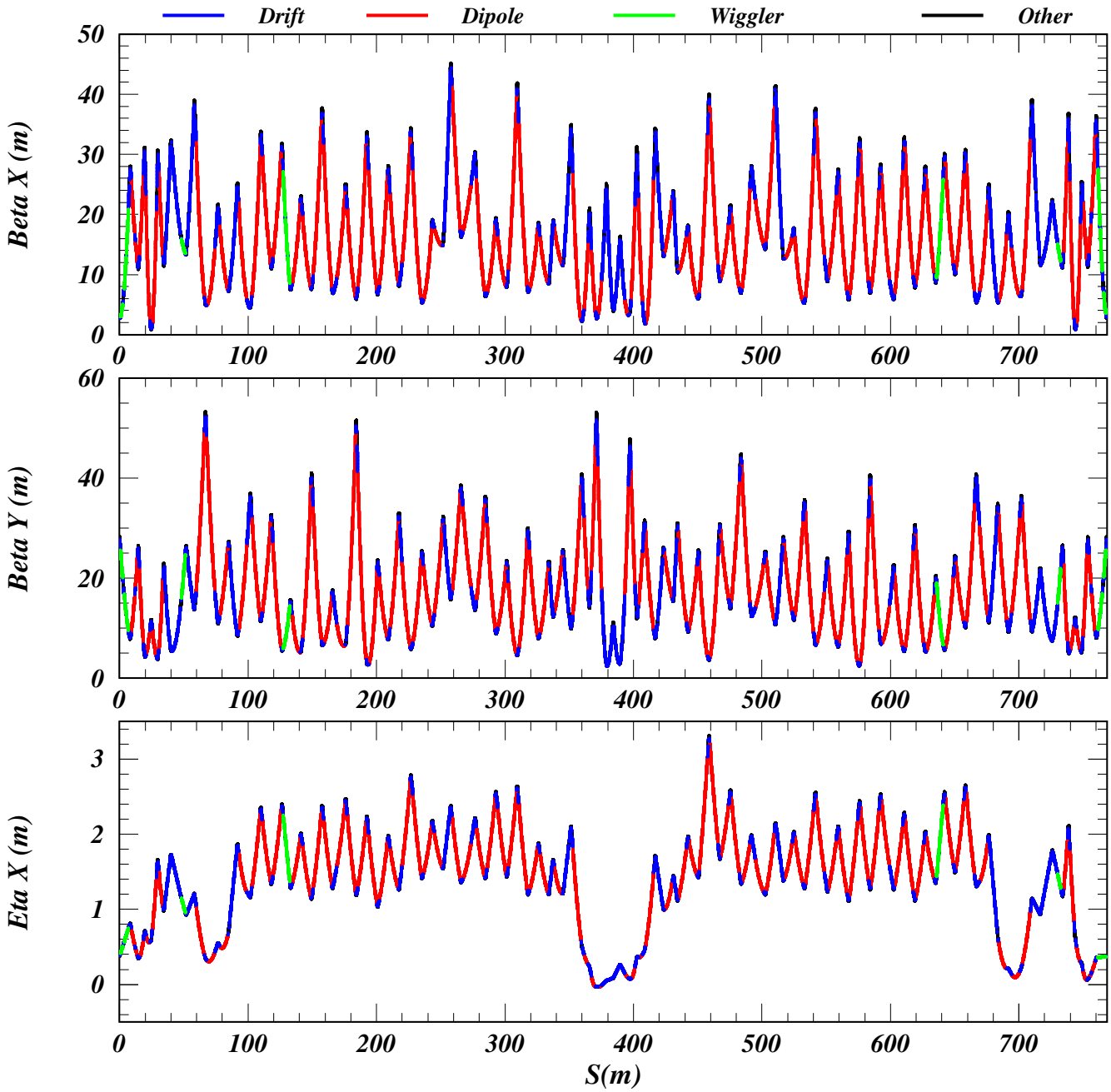

synrad_job127_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
40
35
30
25
20
15
10
5
0
-5
0
100
200
300
400
500
600
700
Power (W/m) for 100 mA Beam Current
25000
20000
15000
10000
5000
0
-5000
0
100
200
300
400
500
600
700

10/06/17 15.21

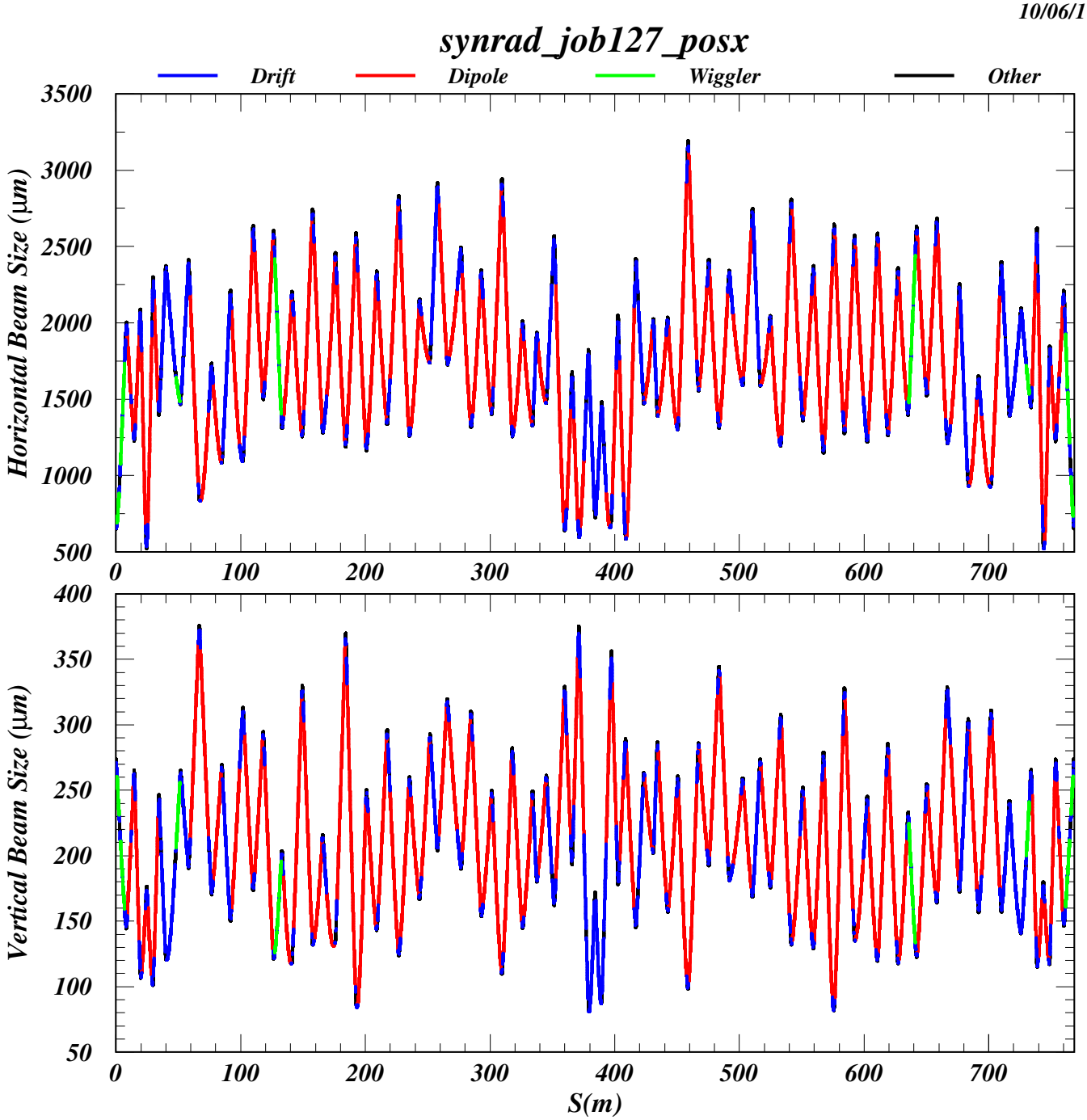

synrad_job127_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
40
35
30
25
20
15
10
5
0
-5
0
100
200
300
400
500
600
700
Critical Energy (keV)
25
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
0
100
200
300
400
500
600
700
S(m)

10/06/17 15.21

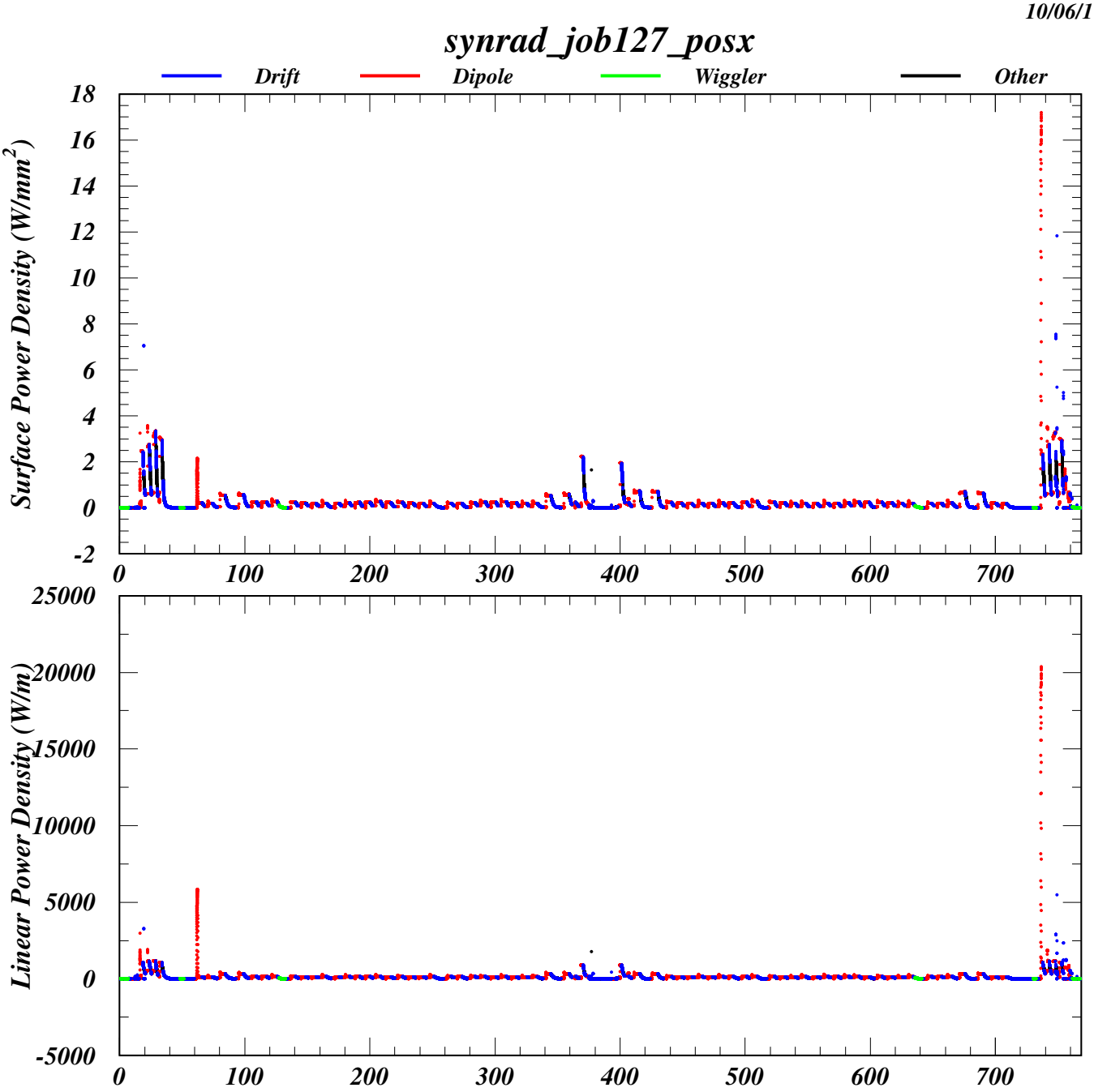
synrad_job127_posx



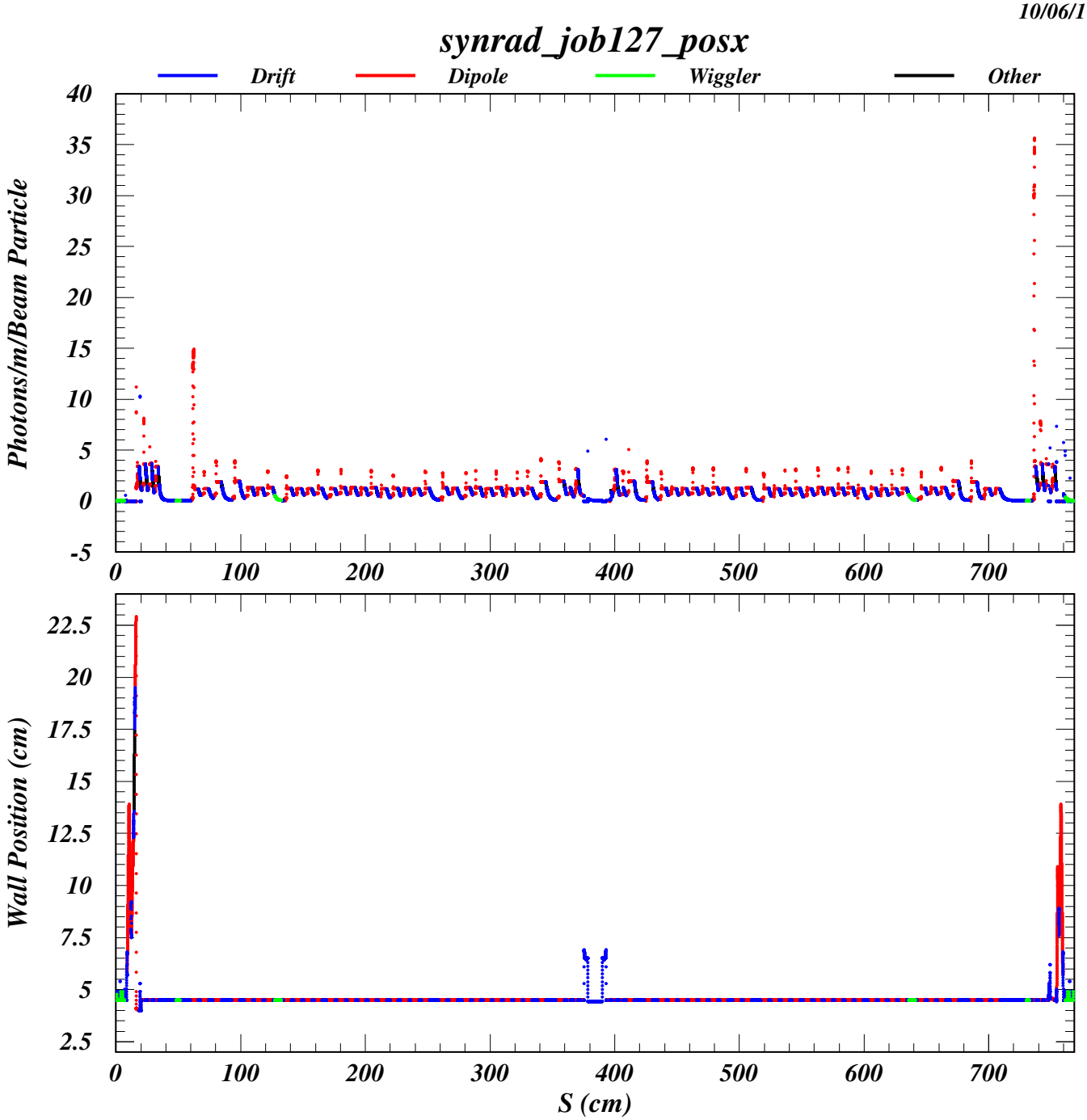
10/06/17 15.21


synrad_job127_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
3500
3000
2500
2000
1500
1000
500
0
100
200
300
400
500
600
700
Vertical Beam Size (μm)
400
350
300
250
200
150
100
50
S(m)

10/06/17 15.21


synrad_job127_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
18
16
14
12
10
8
6
4
2
0
-2
0
100
200
300
400
500
600
700
Linear Power Density (W/m)
25000
20000
15000
10000
5000
0
-5000
0
100
200
300
400
500
600
700

10/06/17 15.22


synrad_job127_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
40
35
30
25
20
15
10
5
0
-5
0
100
200
300
400
500
600
700
Wall Position (cm)
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
100
200
300
400
500
600
700
S (cm)