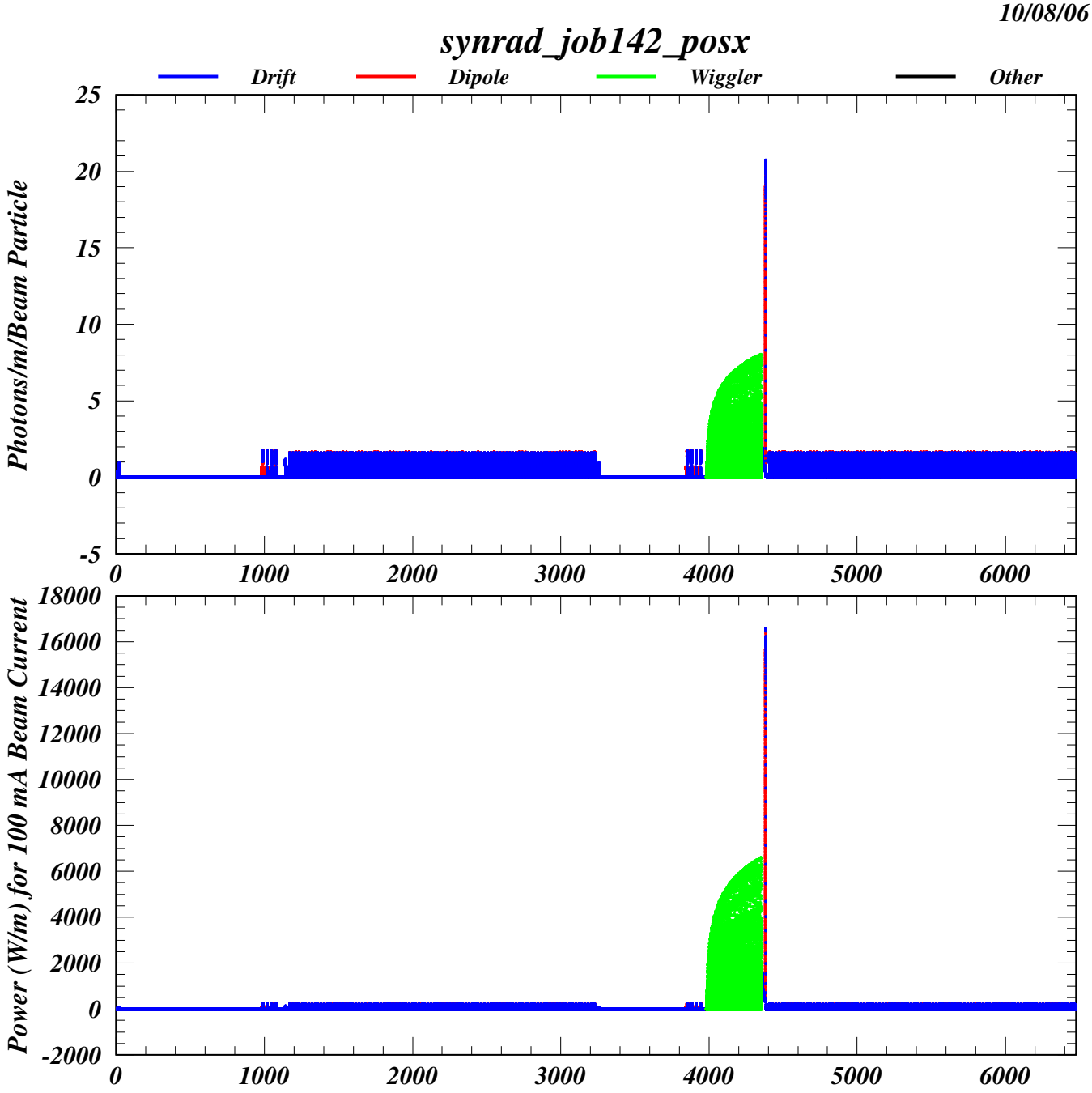
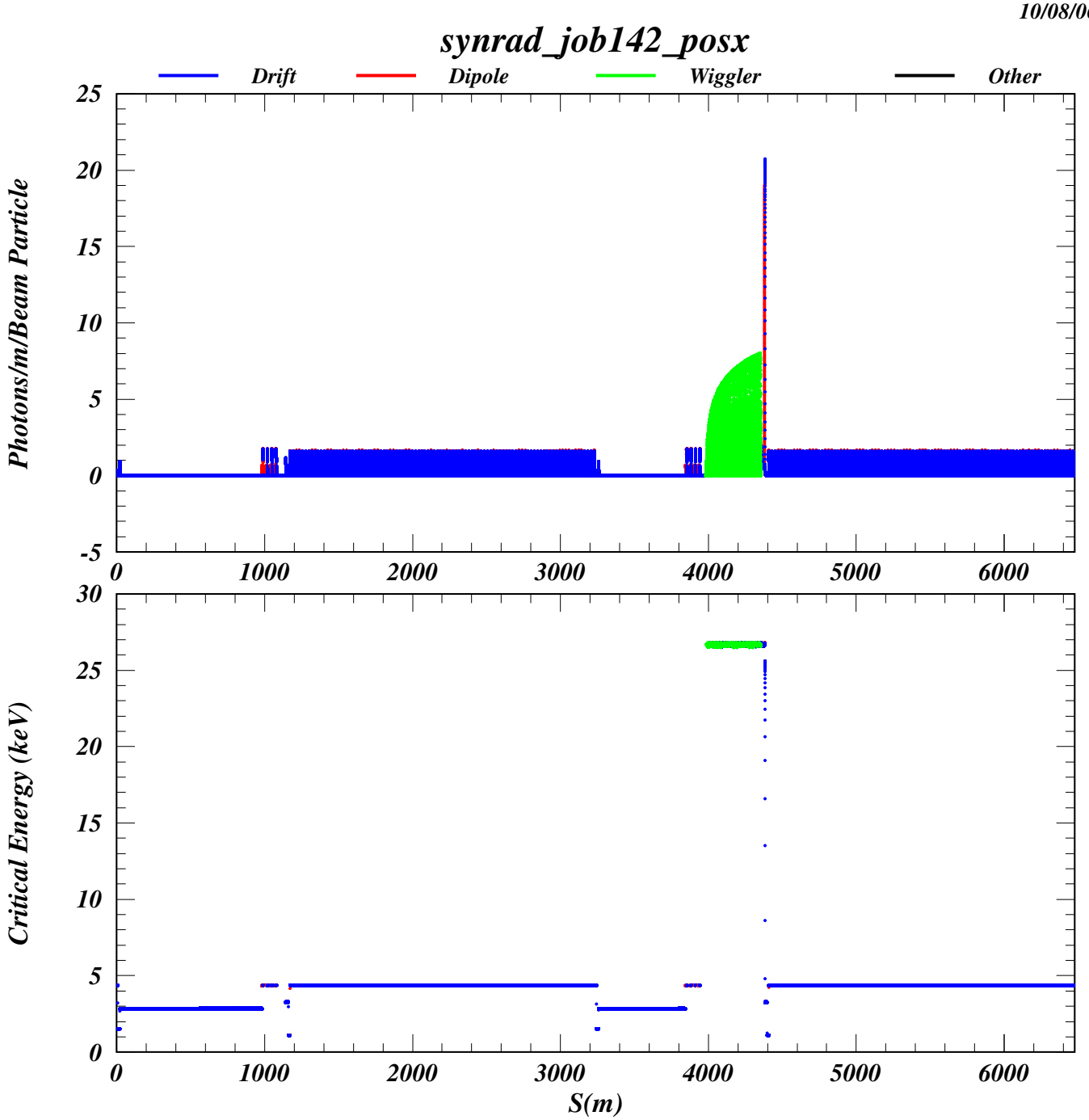
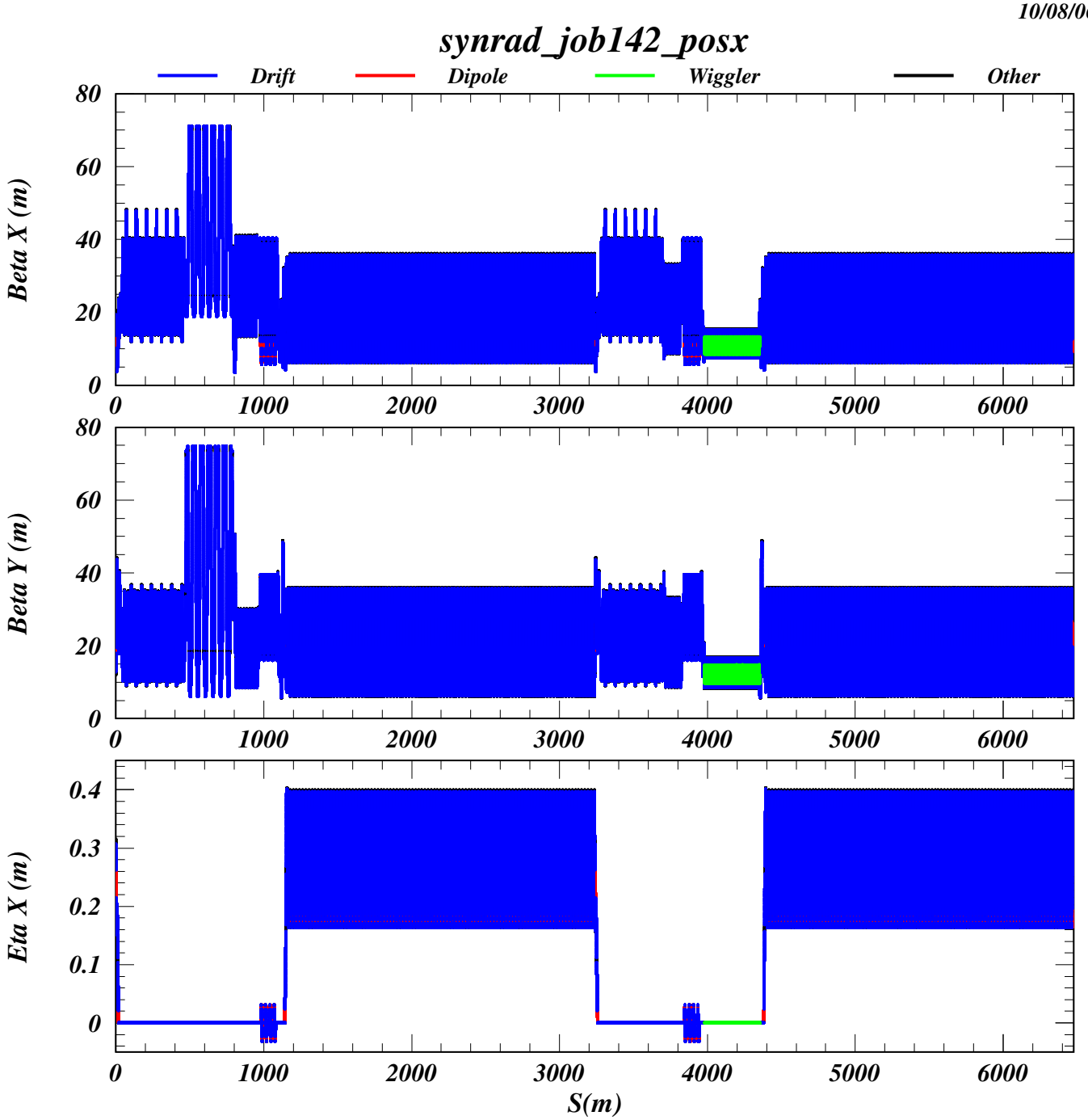
10/08/06 13.07


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
0
1000
2000
3000
4000
5000
6000
Power (W/m) for 100 mA Beam Current
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
1000
2000
3000
4000
5000
6000

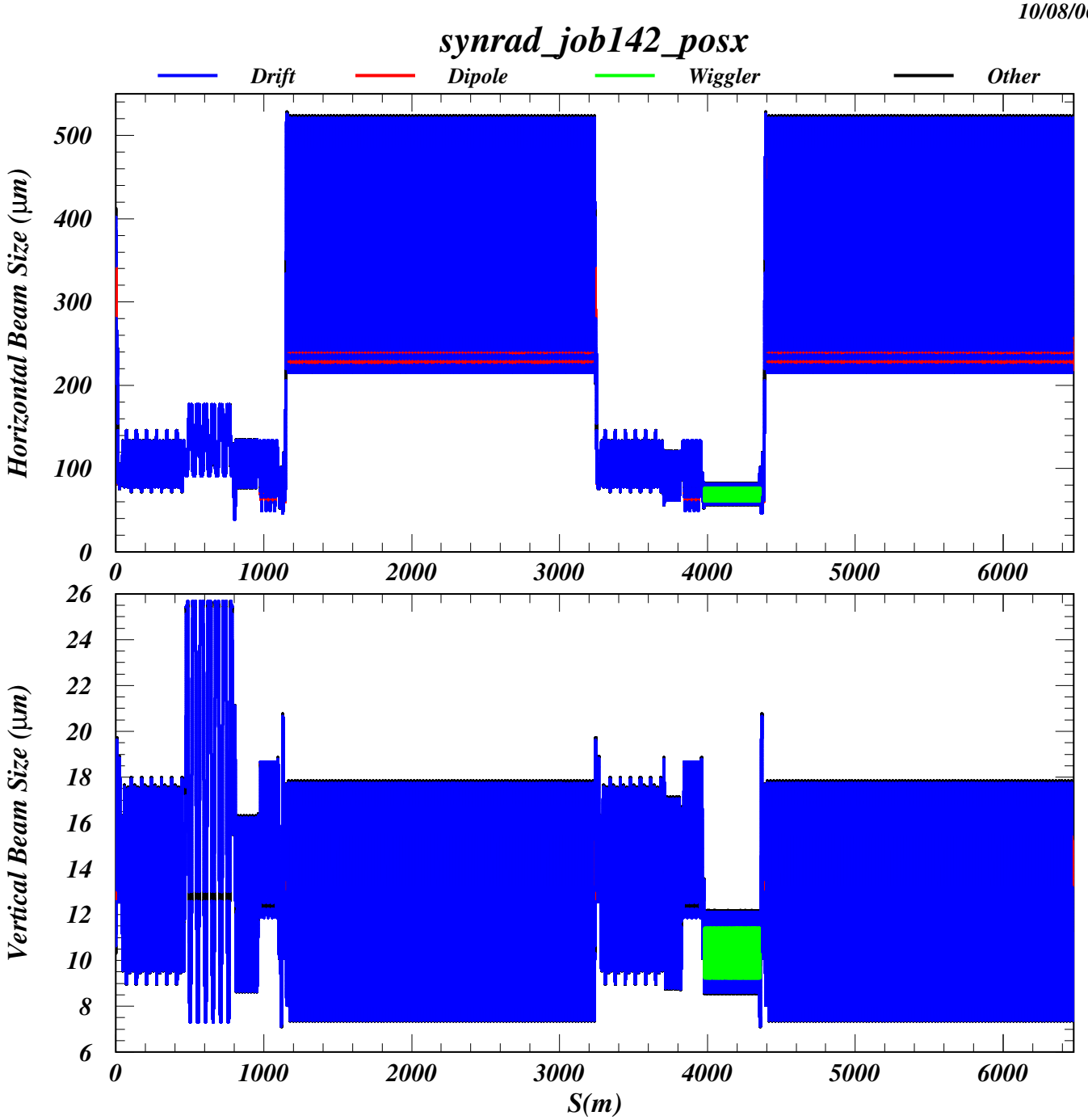
10/08/06 13.09


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
0
1000
2000
3000
4000
5000
6000
Critical Energy (keV)
30
25
20
15
10
5
0
0
1000
2000
3000
4000
5000
6000
S(m)

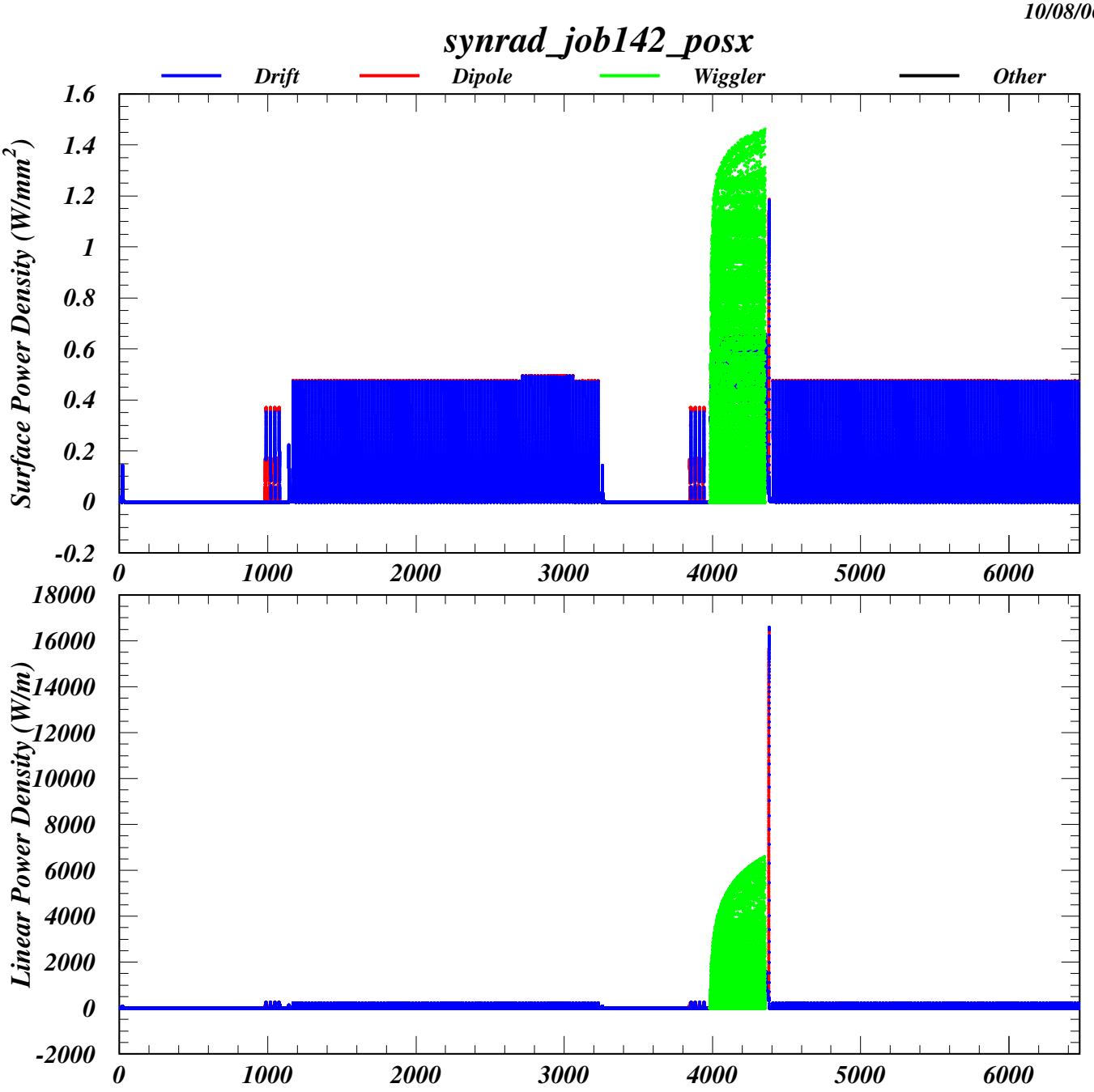
10/08/06 13.10


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
S(m)
0
20
40
60
80
0.1
0.2
0.3
0.4
1000
2000
3000
4000
5000
6000

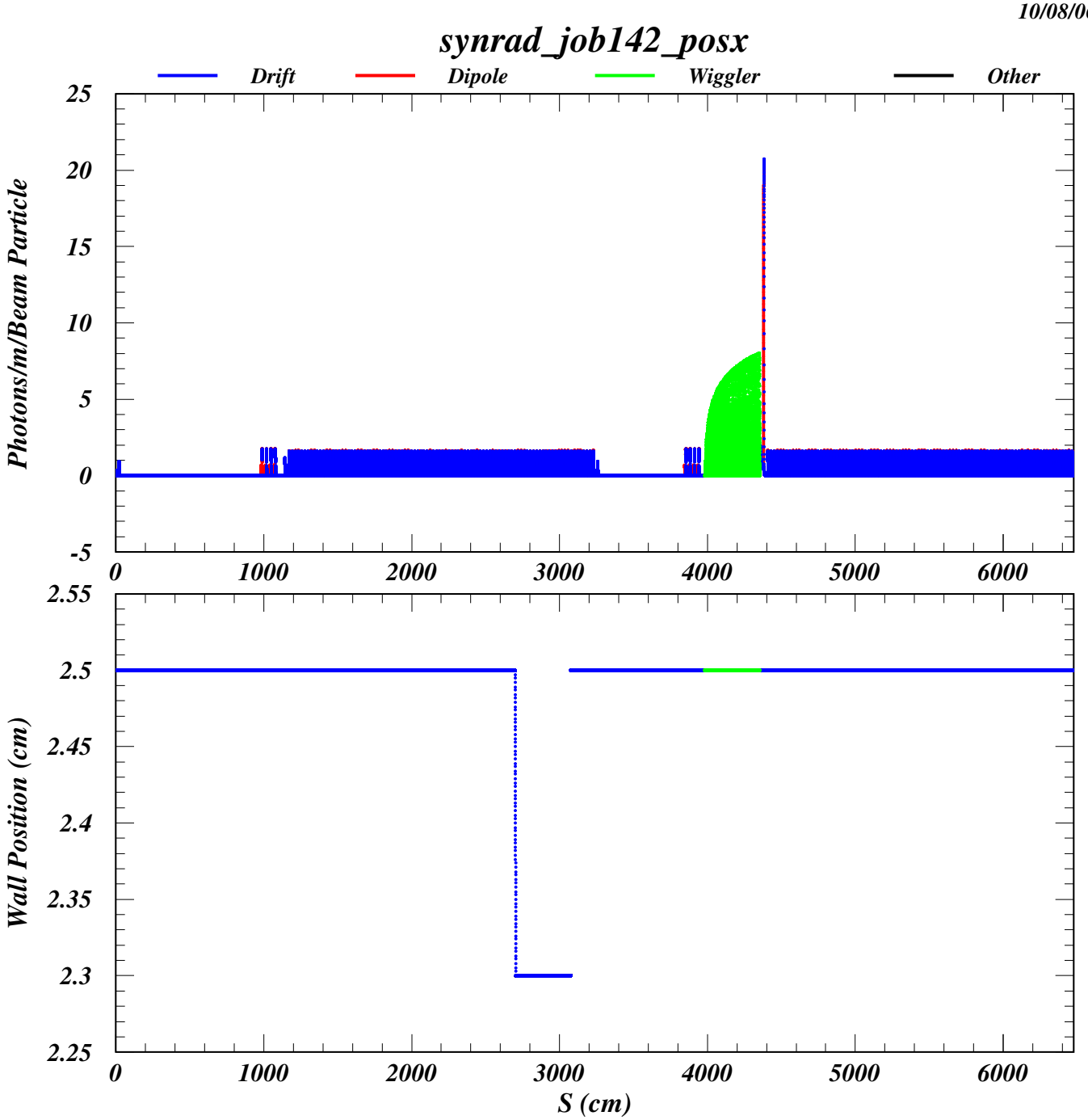
10/08/06 13.11


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
6000
Vertical Beam Size (μm)
6
8
10
12
14
16
18
20
22
24
26
S(m)

10/08/06 13.12


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm²)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
1000
2000
3000
4000
5000
6000
Linear Power Density (W/m)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
1000
2000
3000
4000
5000
6000

10/08/06 13.13


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
0
1000
2000
3000
4000
5000
6000
Wall Position (cm)
2.55
2.5
2.45
2.4
2.35
2.3
2.25
S (cm)