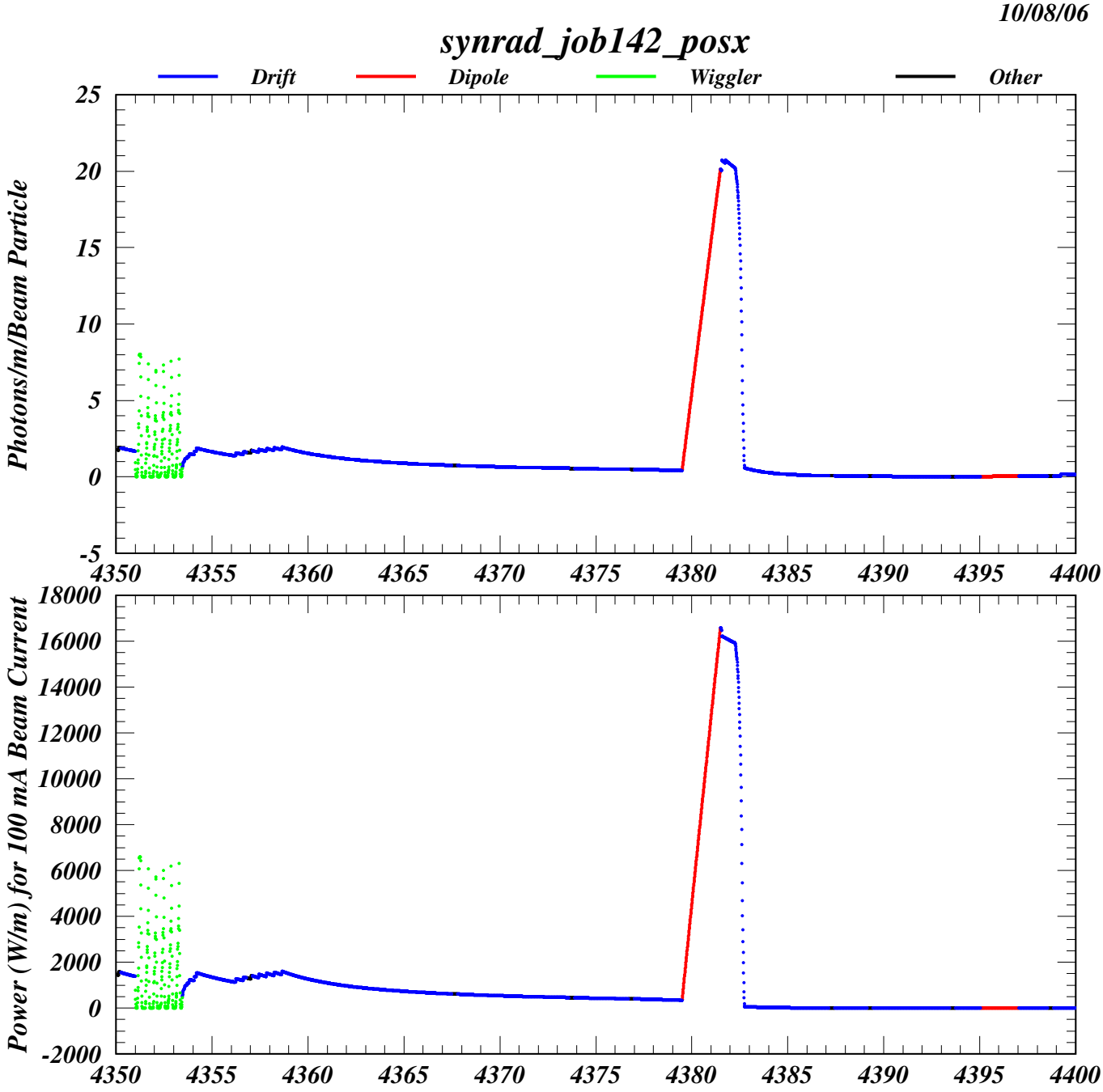
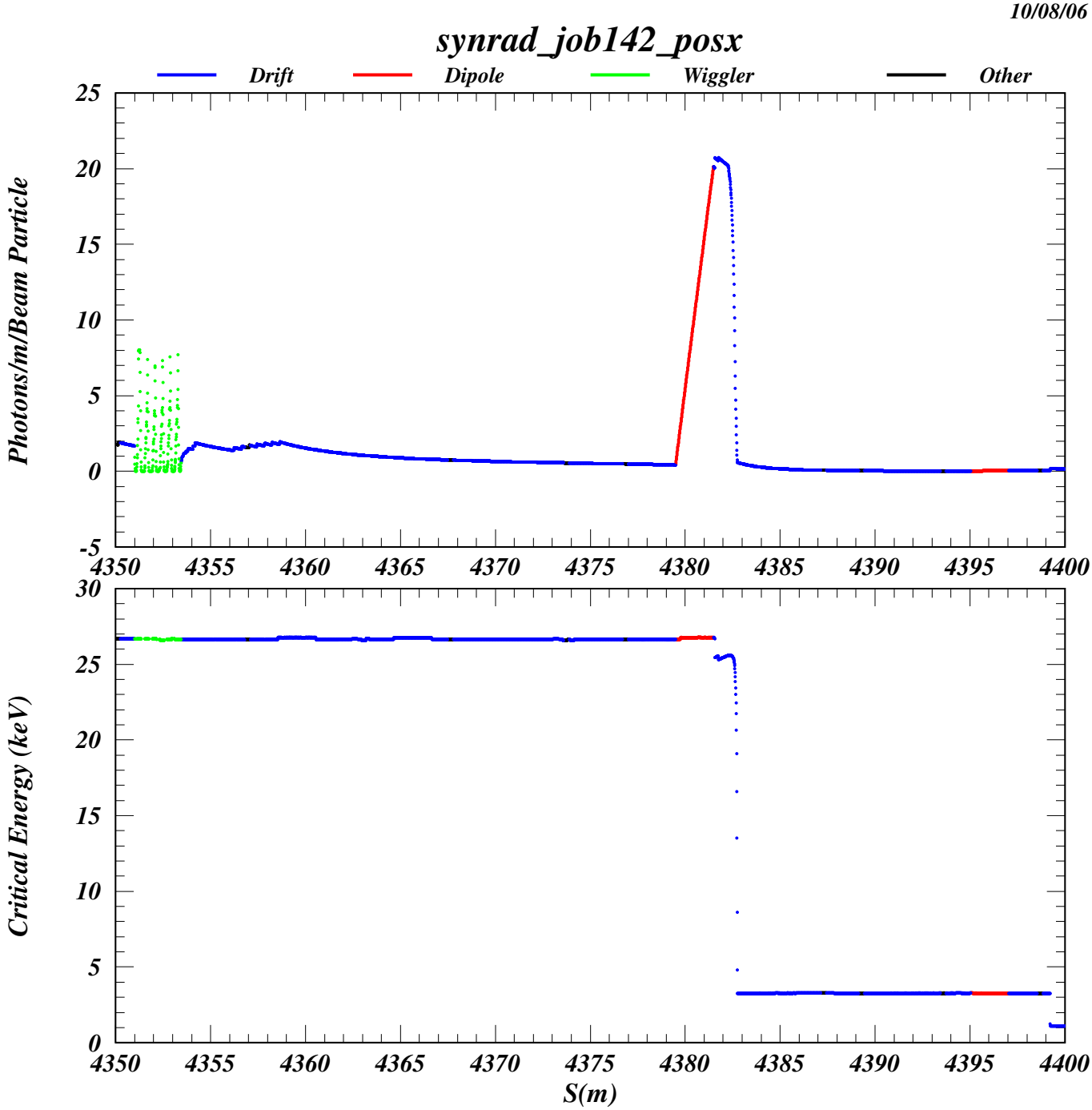
10/08/06 13.22

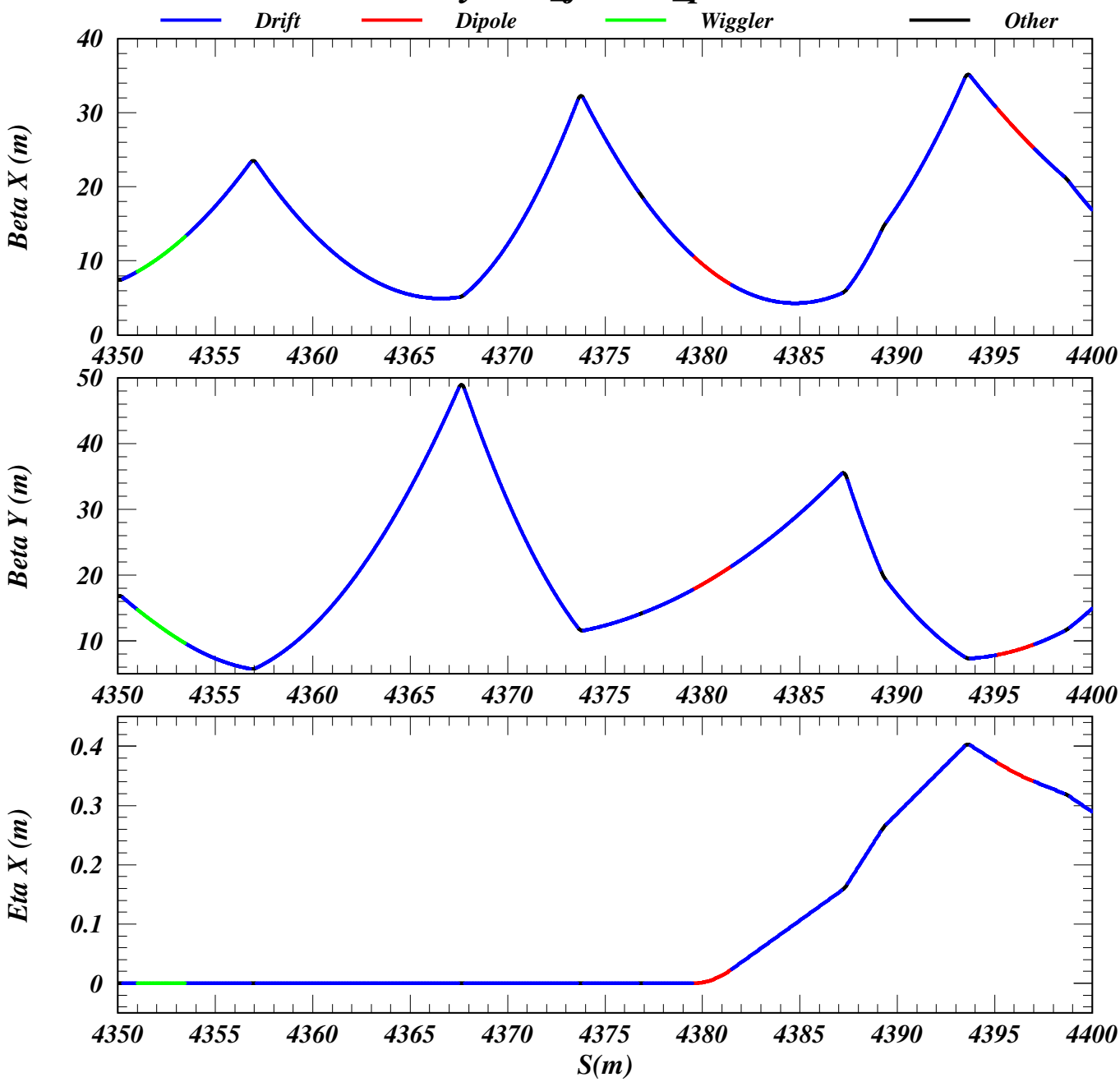

synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400
Power (W/m) for 100 mA Beam Current
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400

10/08/06 13.23

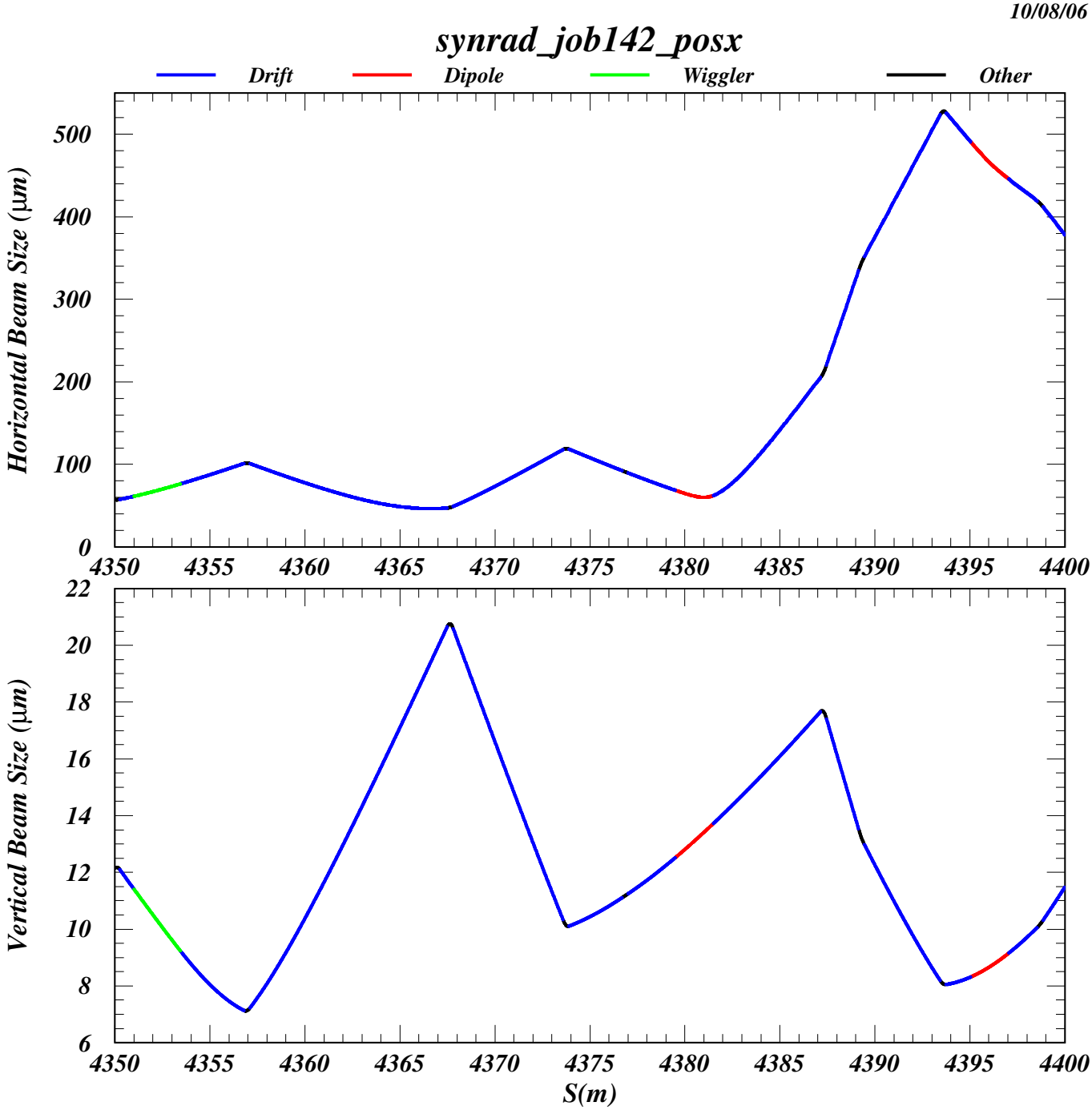

synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400
Critical Energy (keV)
30
25
20
15
10
5
0
S(m)

10/08/06 13.23

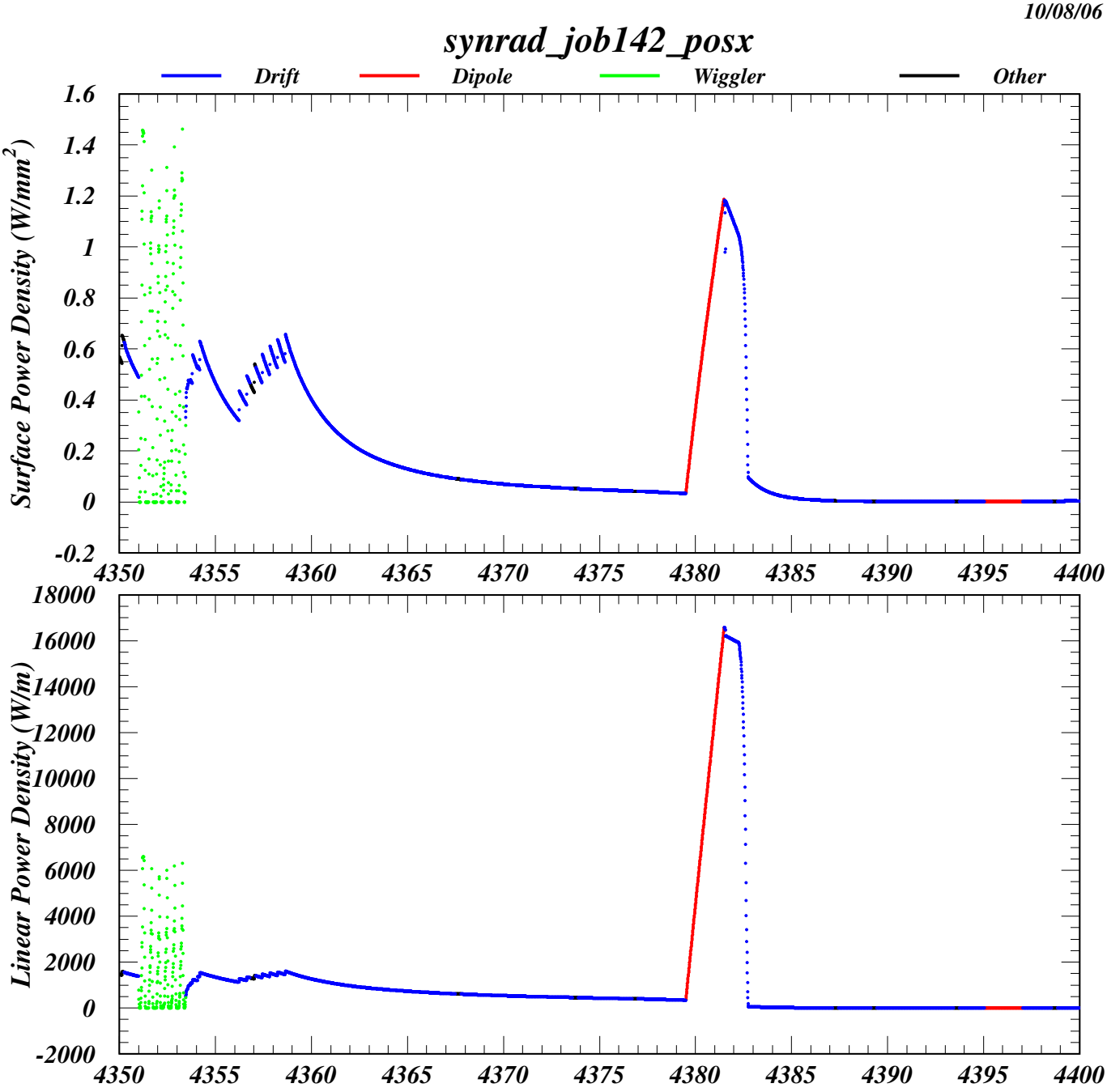
synrad_job142_posx



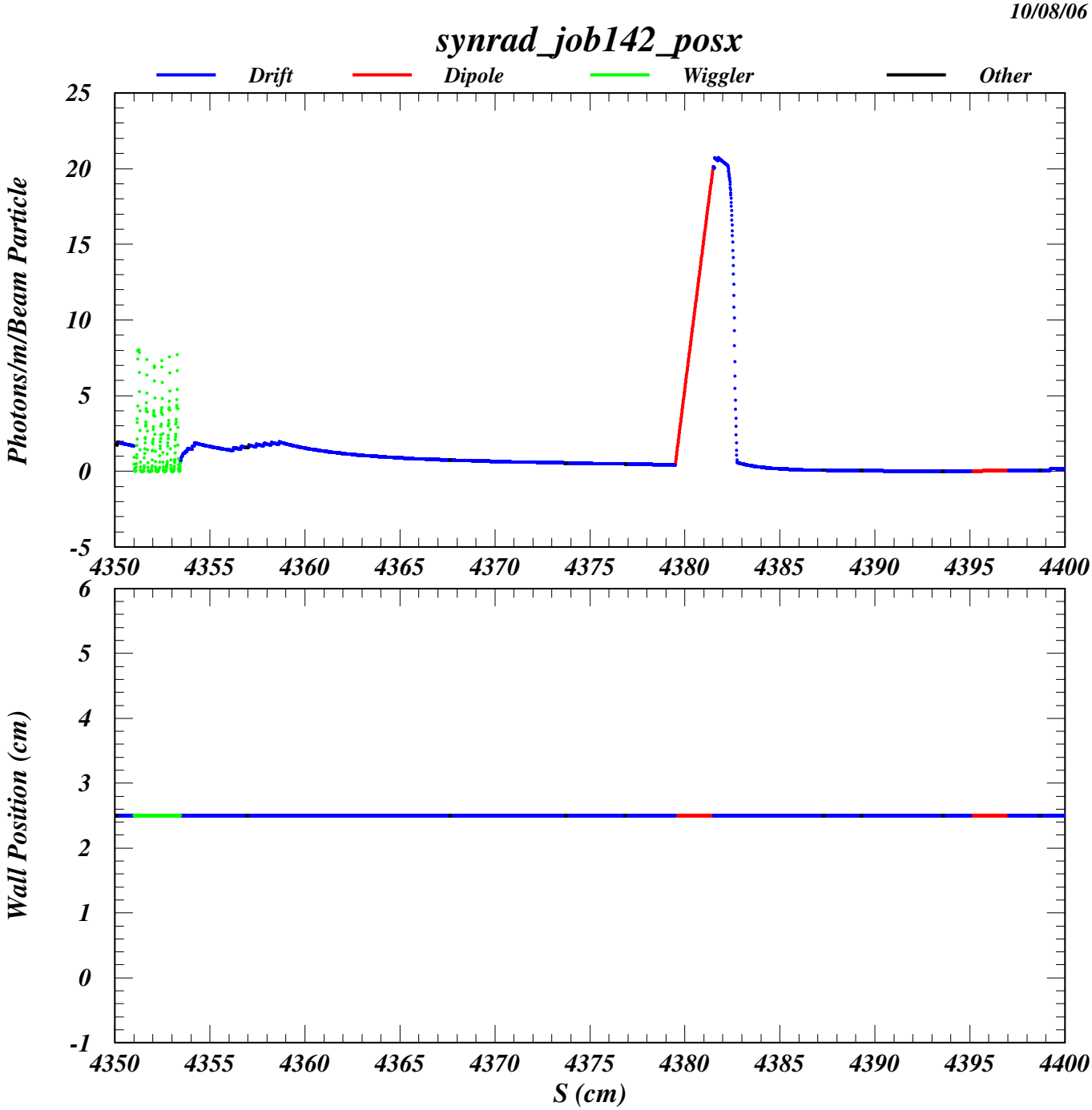
10/08/06 13.23


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
0
100
200
300
400
500
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400
Vertical Beam Size (μm)
6
8
10
12
14
16
18
20
22
S(m)

10/08/06 13.23


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400
Linear Power Density (W/m)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400

10/08/06 13.23


synrad_job142_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
25
20
15
10
5
0
-5
4350
4355
4360
4365
4370
4375
4380
4385
4390
4395
4400
Wall Position (cm)
6
5
4
3
2
1
0
-1
S (cm)