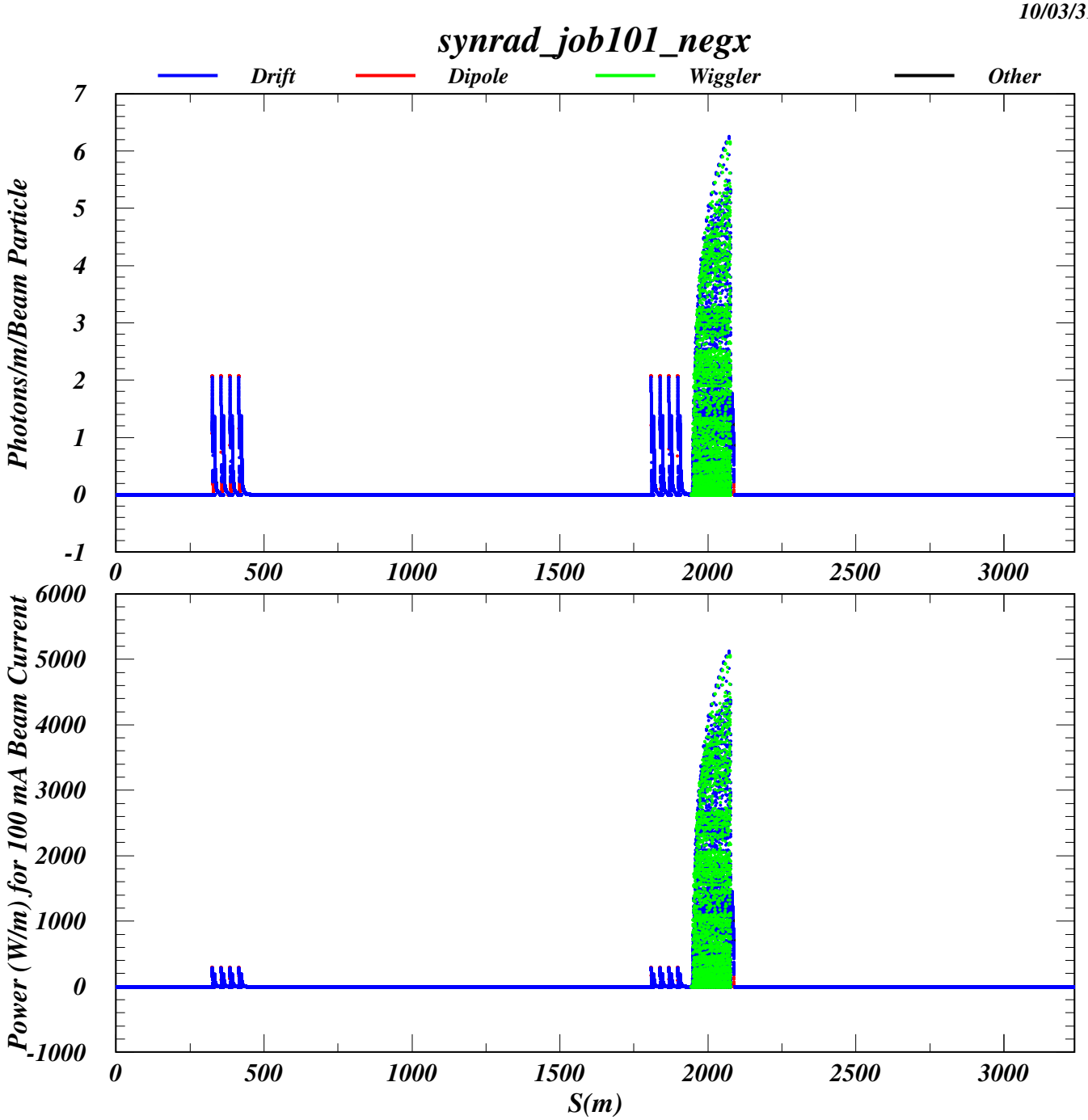
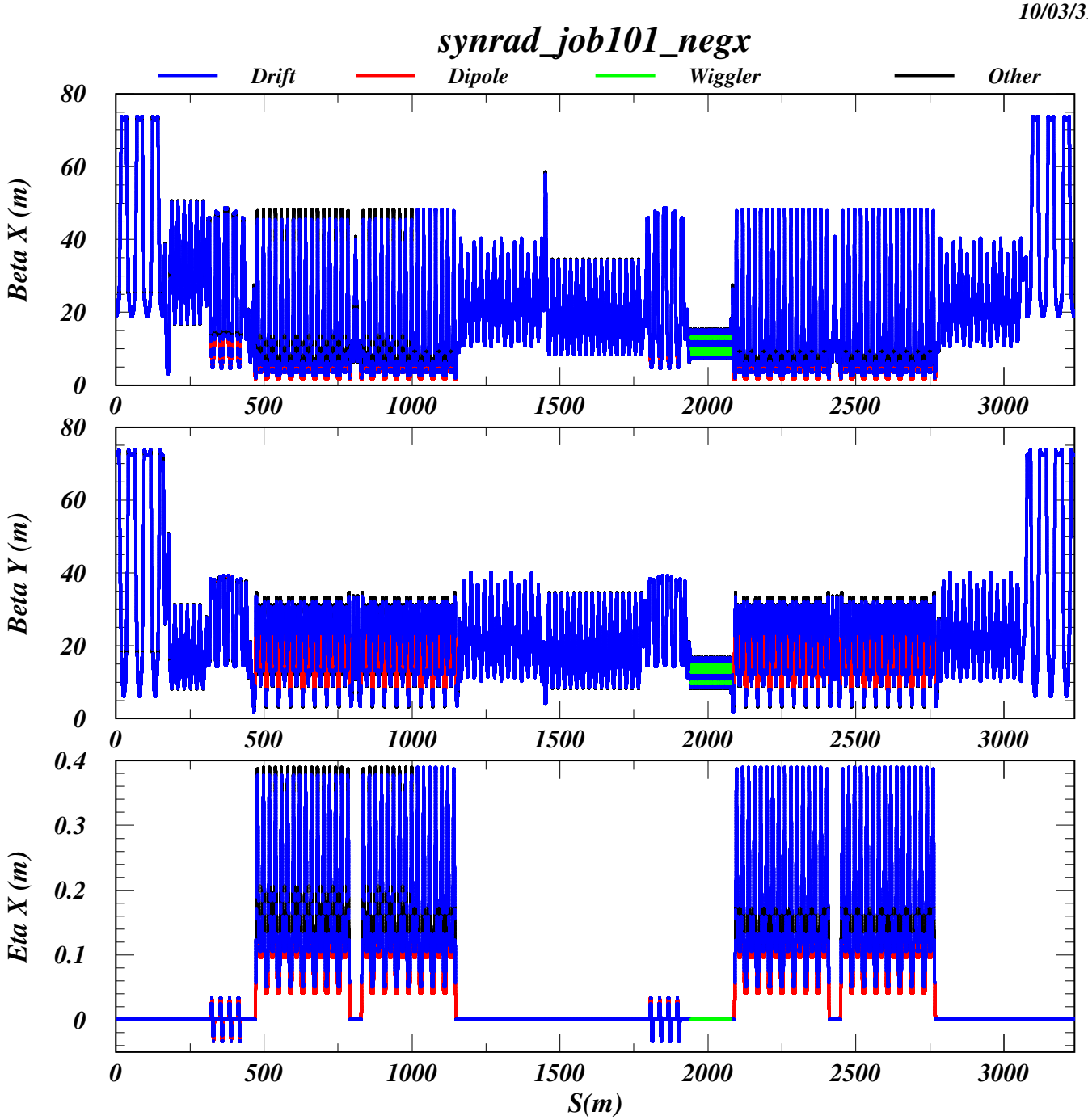
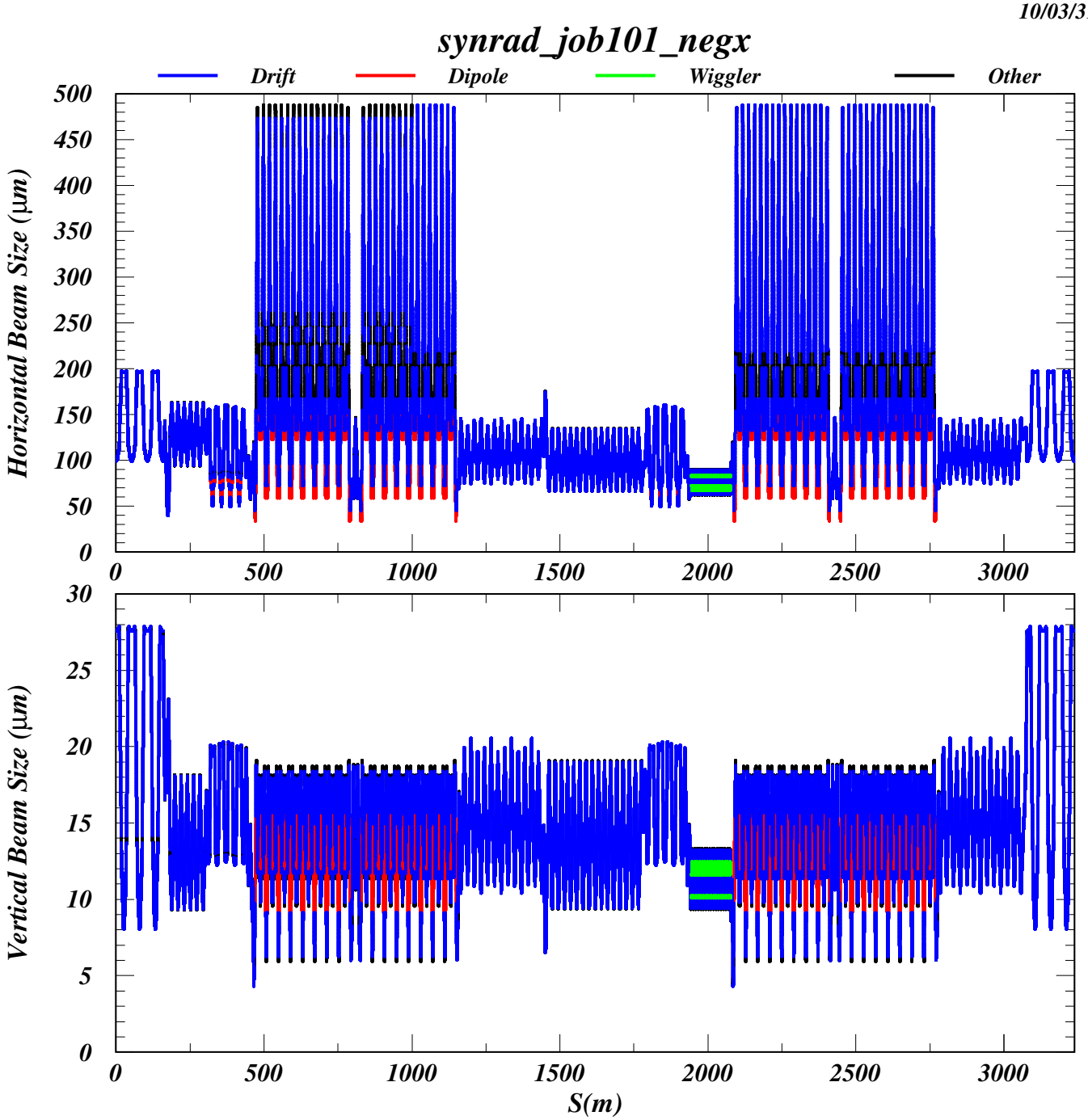
10/03/31 12.12

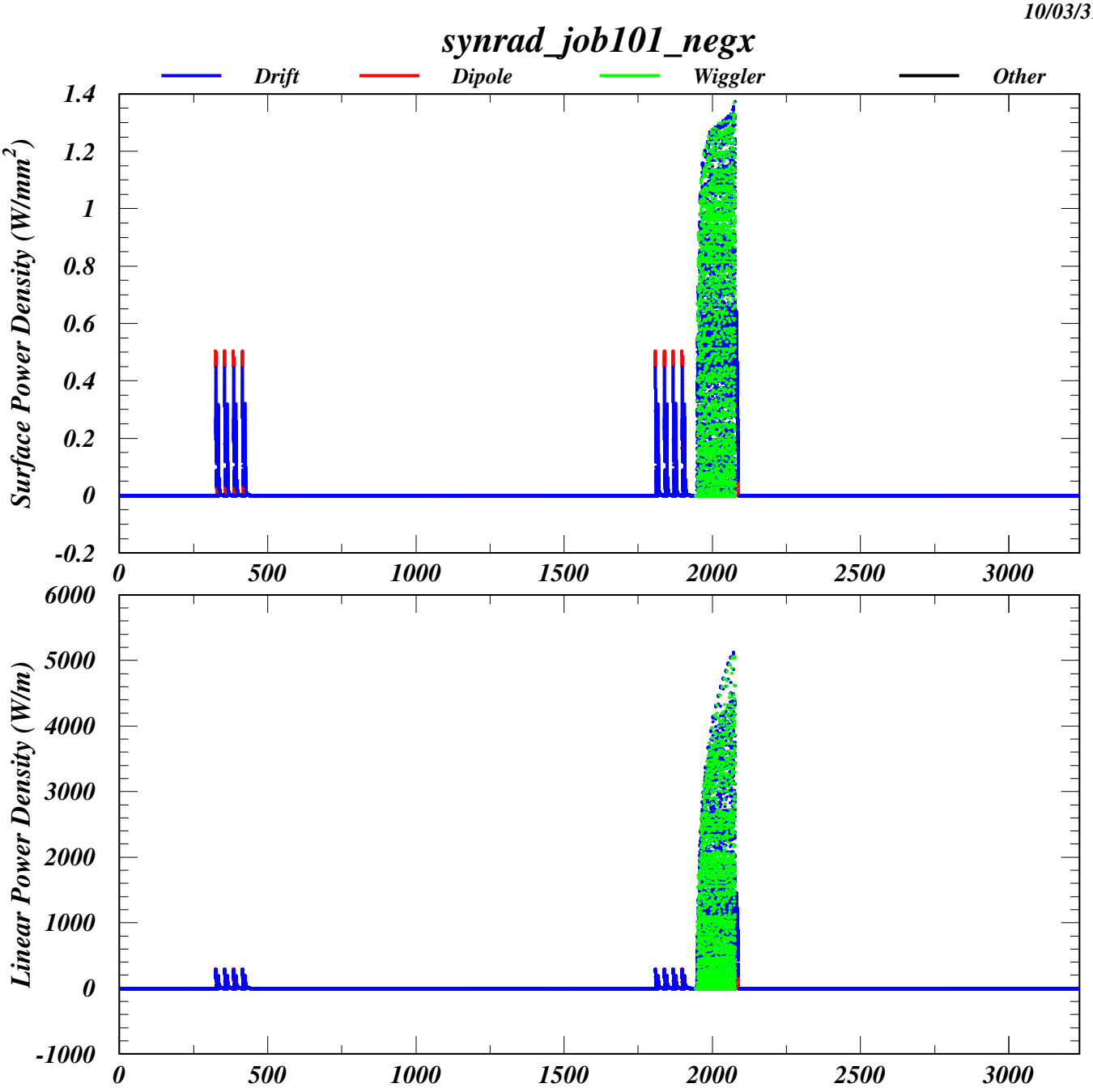

synrad_job101_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
7
6
5
4
3
2
1
0
-1
0
500
1000
1500
2000
2500
3000
Power (W/m) for 100 mA Beam Current
6000
5000
4000
3000
2000
1000
0
-1000
0
500
1000
1500
2000
2500
3000
S(m)

10/03/31 12.13

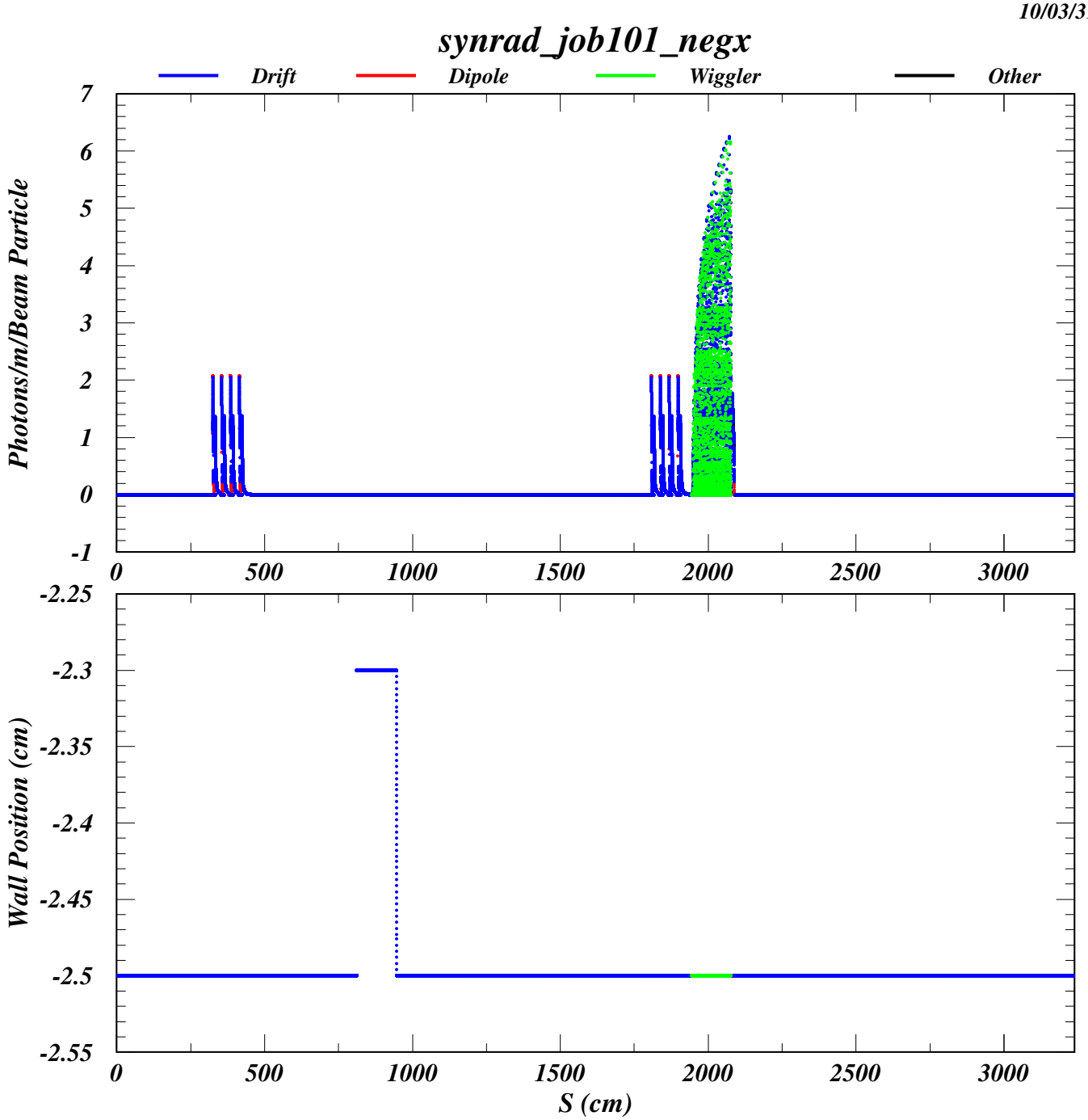

synrad_job101_negx
Drift
Dipole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
S(m)
0
20
40
60
80
0.1
0.2
0.3
0.4
500
1000
1500
2000
2500
3000


synrad_job101_negx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
Vertical Beam Size (μm)
S(m)
0
50
100
150
200
250
300
350
400
450
500
5
10
15
20
25
30
500
1000
1500
2000
2500
3000

10/03/31 12.13


synrad_job101_negx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
500
1000
1500
2000
2500
3000
Linear Power Density (W/m)
6000
5000
4000
3000
2000
1000
0
-1000
0
500
1000
1500
2000
2500
3000

10/03/31 12.14


synrad_job101_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
7
6
5
4
3
2
1
0
-1
0
500
1000
1500
2000
2500
3000
Wall Position (cm)
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
0
500
1000
1500
2000
2500
3000
S (cm)