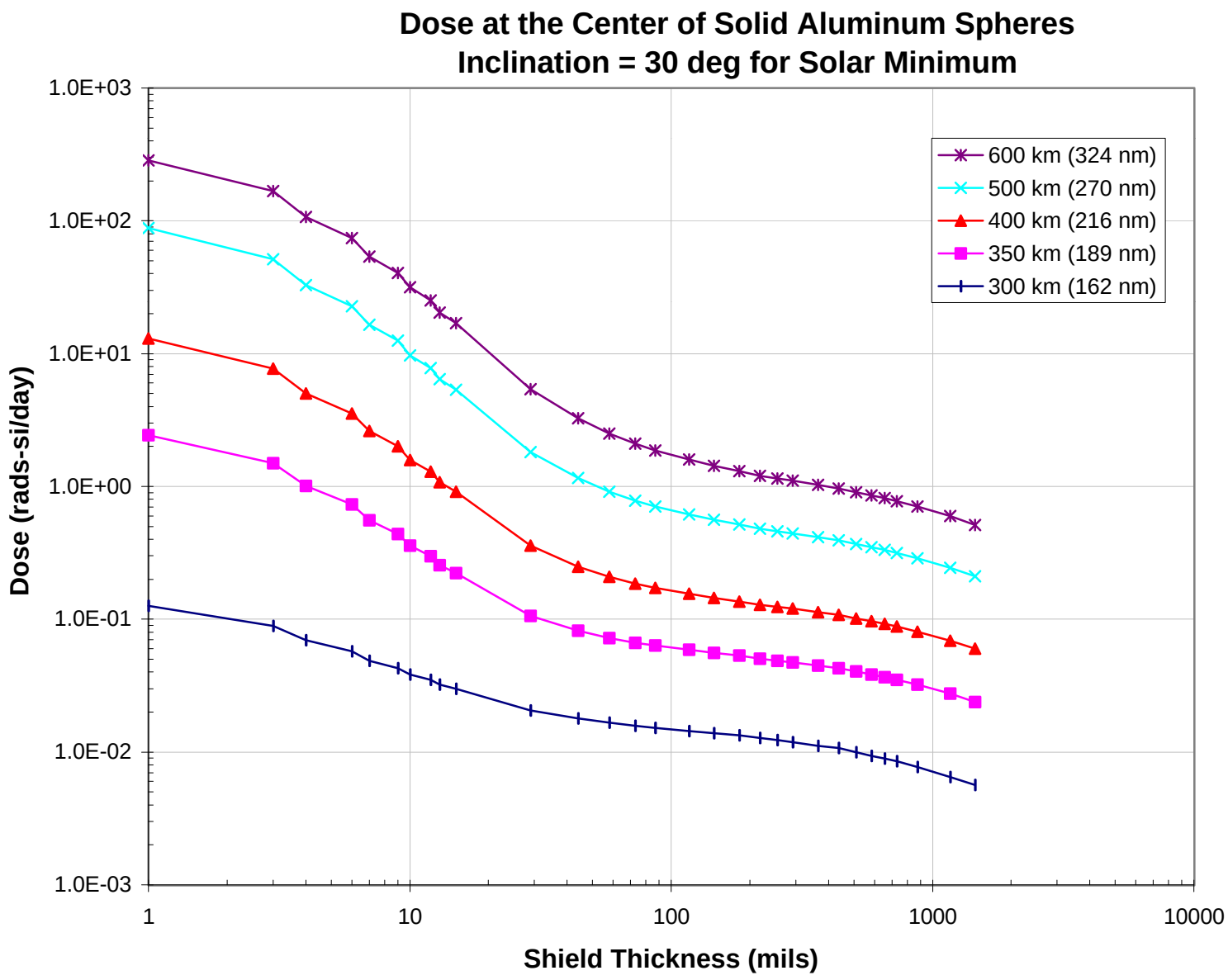
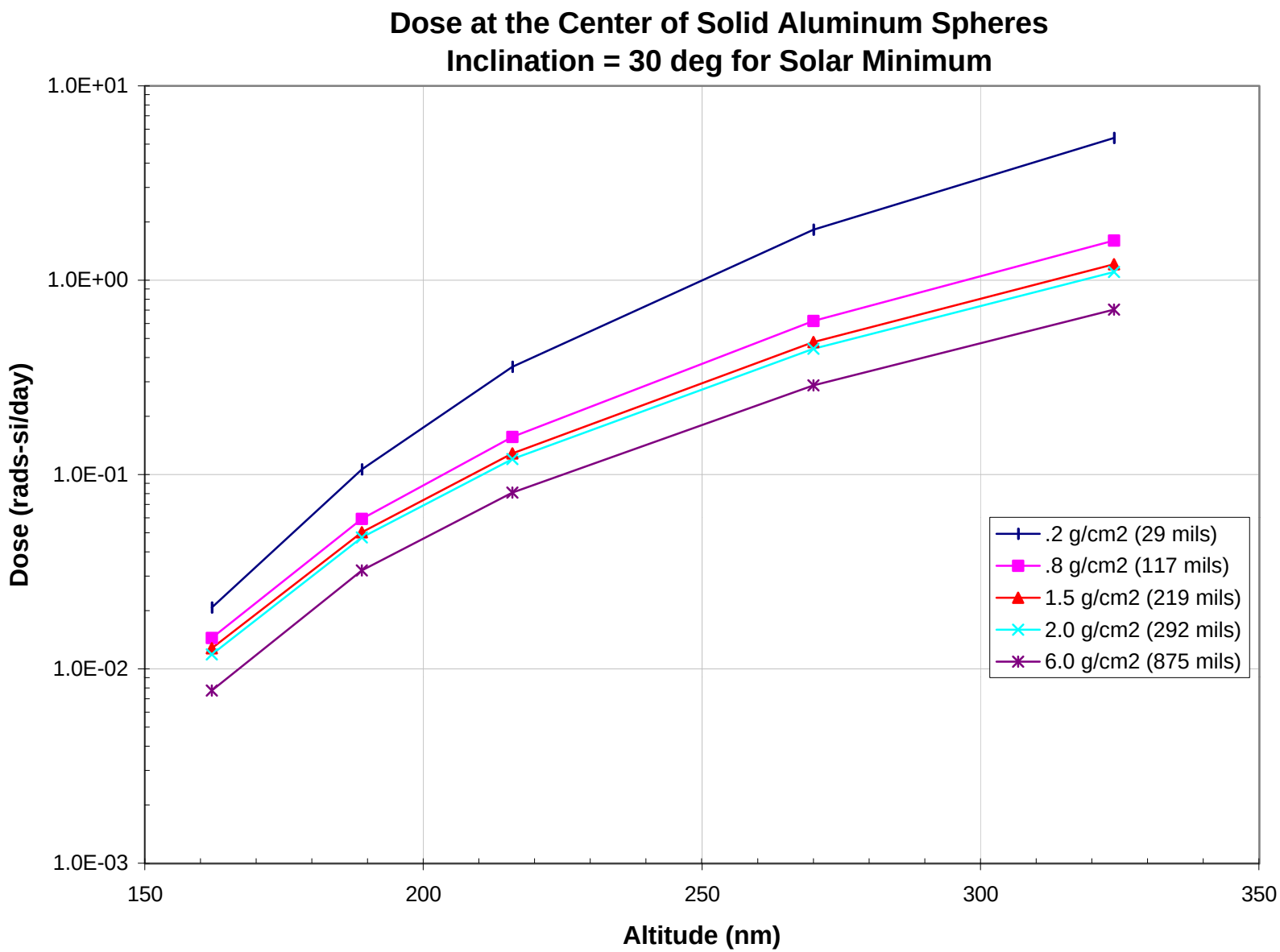
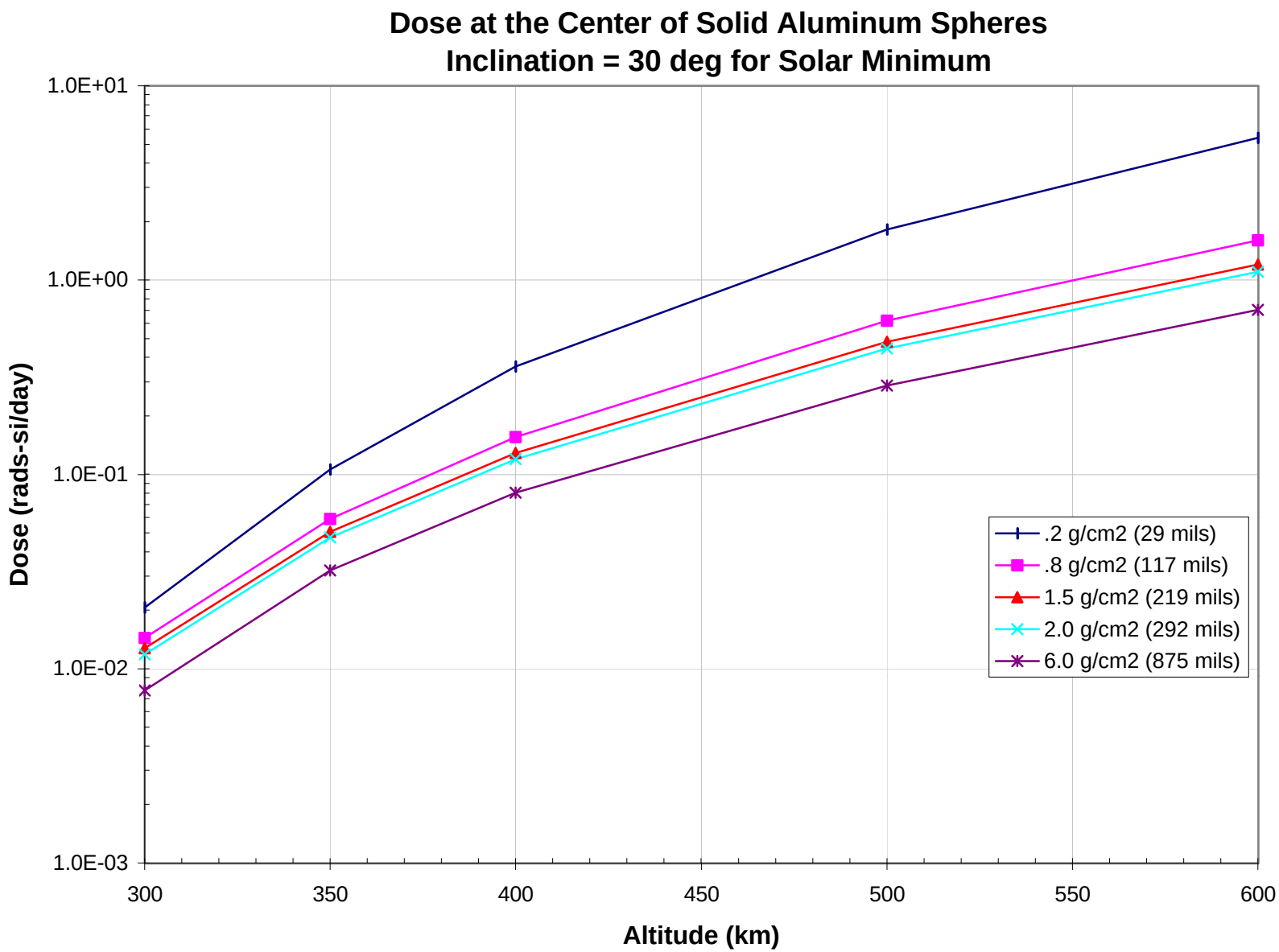
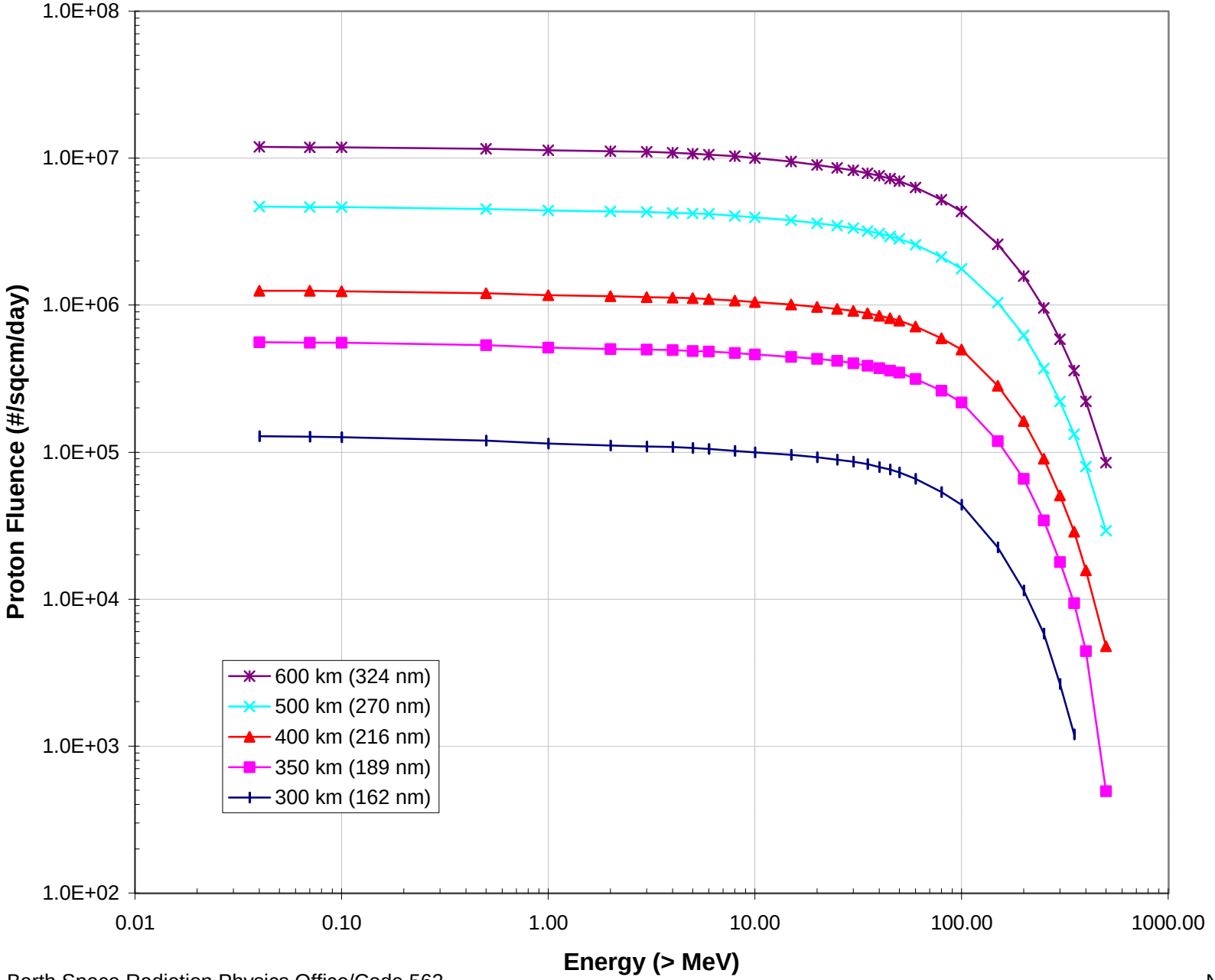

Dose at the Center of Solid Aluminum Spheres
Inclination = 30 deg for Solar Minimum
Dose (rads-si/day)
1.0E+03
1.0E+02
1.0E+01
1.0E+00
1.0E-01
1.0E-02
1.0E-03
1
10
100
1000
10000
Shield Thickness (mils)
600 km (324 nm)
500 km (270 nm)
400 km (216 nm)
350 km (189 nm)
300 km (162 nm)


Dose at the Center of Solid Aluminum Spheres
Inclination = 30 deg for Solar Minimum
1.0E+01
1.0E+00
1.0E-01
1.0E-02
1.0E-03
Dose (rads-si/day)
150
200
250
300
350
Altitude (nm)
.2 g/cm2 (29 mils)
.8 g/cm2 (117 mils)
1.5 g/cm2 (219 mils)
2.0 g/cm2 (292 mils)
6.0 g/cm2 (875 mils)


Dose at the Center of Solid Aluminum Spheres
Inclination = 30 deg for Solar Minimum
1.0E+01
1.0E+00
1.0E-01
1.0E-02
1.0E-03
Dose (rads-si/day)
300
350
400
450
500
550
600
Altitude (km)
.2 g/cm2 (29 mils)
.8 g/cm2 (117 mils)
1.5 g/cm2 (219 mils)
2.0 g/cm2 (292 mils)
6.0 g/cm2 (875 mils)

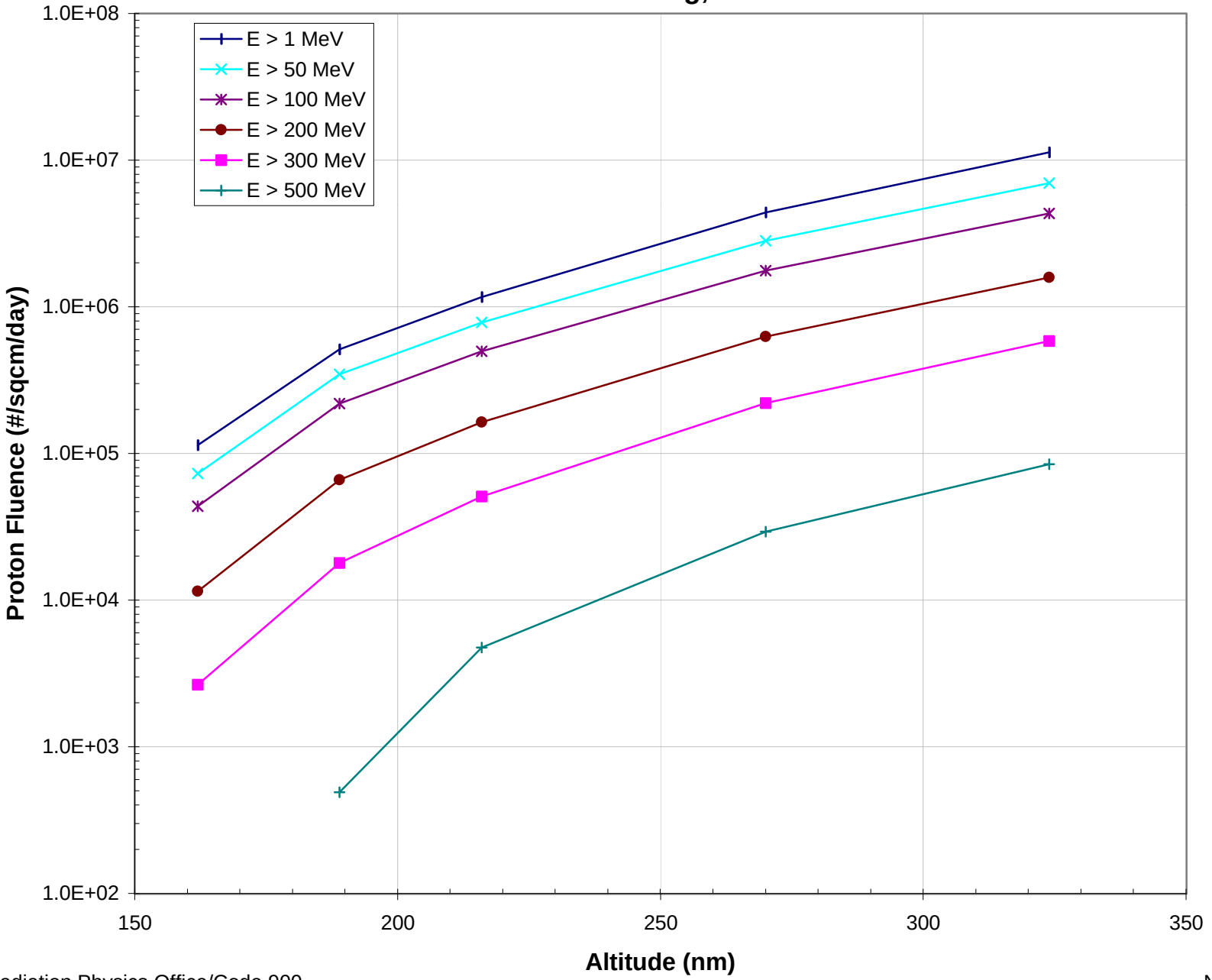
pro spec

Daily Orbit-Integrated Integral Proton Fluence
HST for Solar Minimum



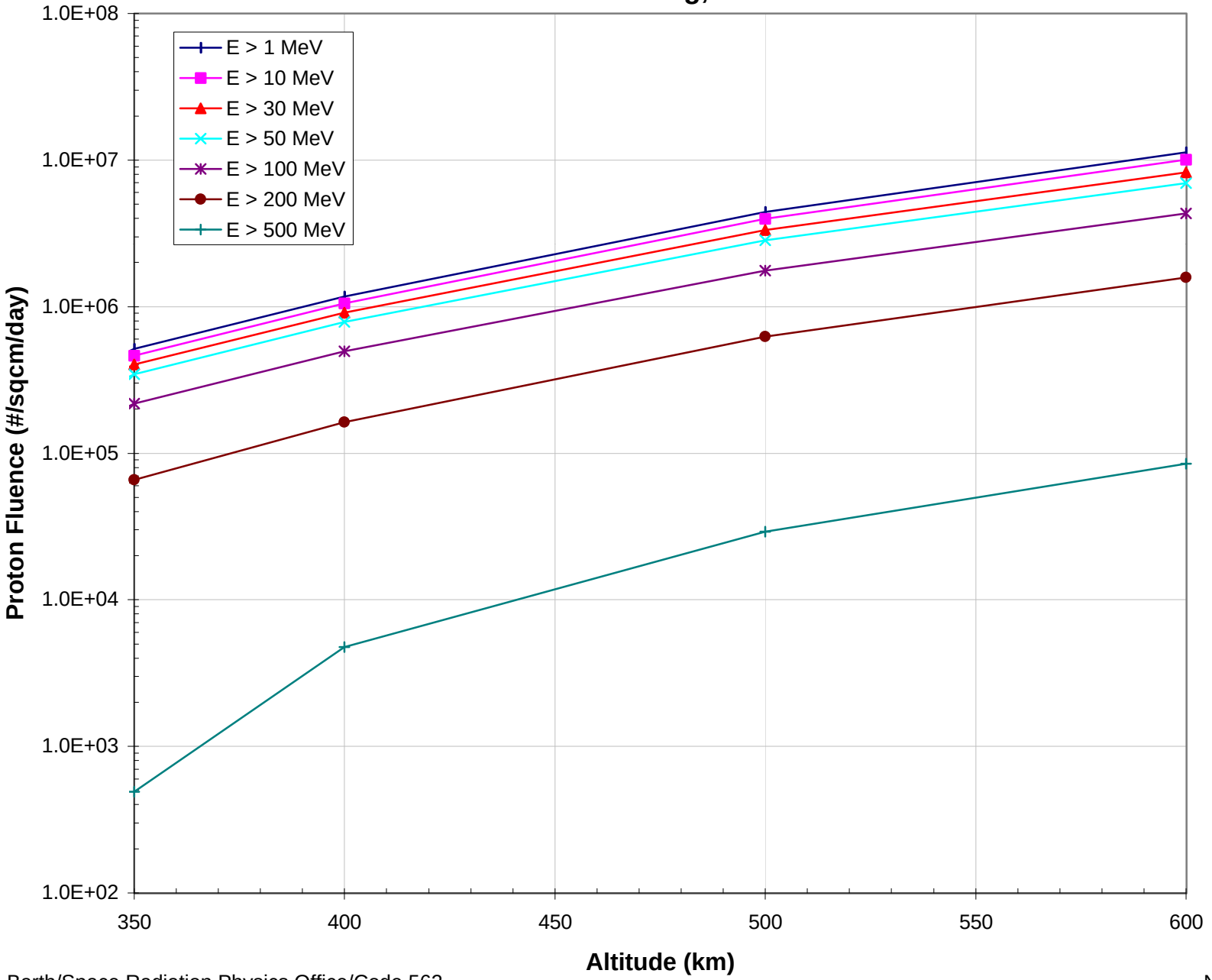
pro alt nm

Daily Orbit-Integrated Integral Proton Fluence
Inclination = 30 deg, Solar Minimum



pro alt km

Daily Orbit-Integrated Integral Proton Fluence
Inclination = 30 deg, Solar Minimum



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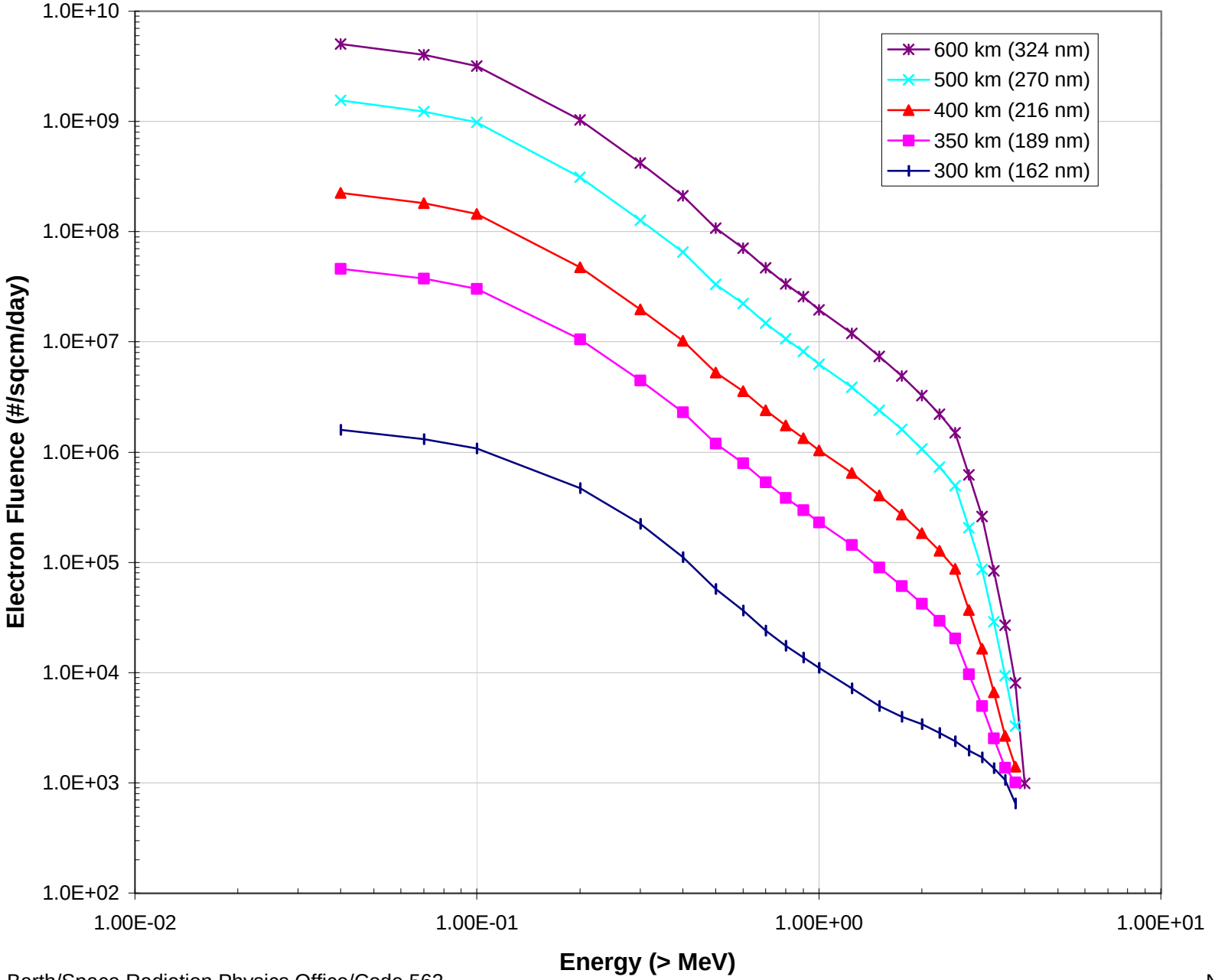
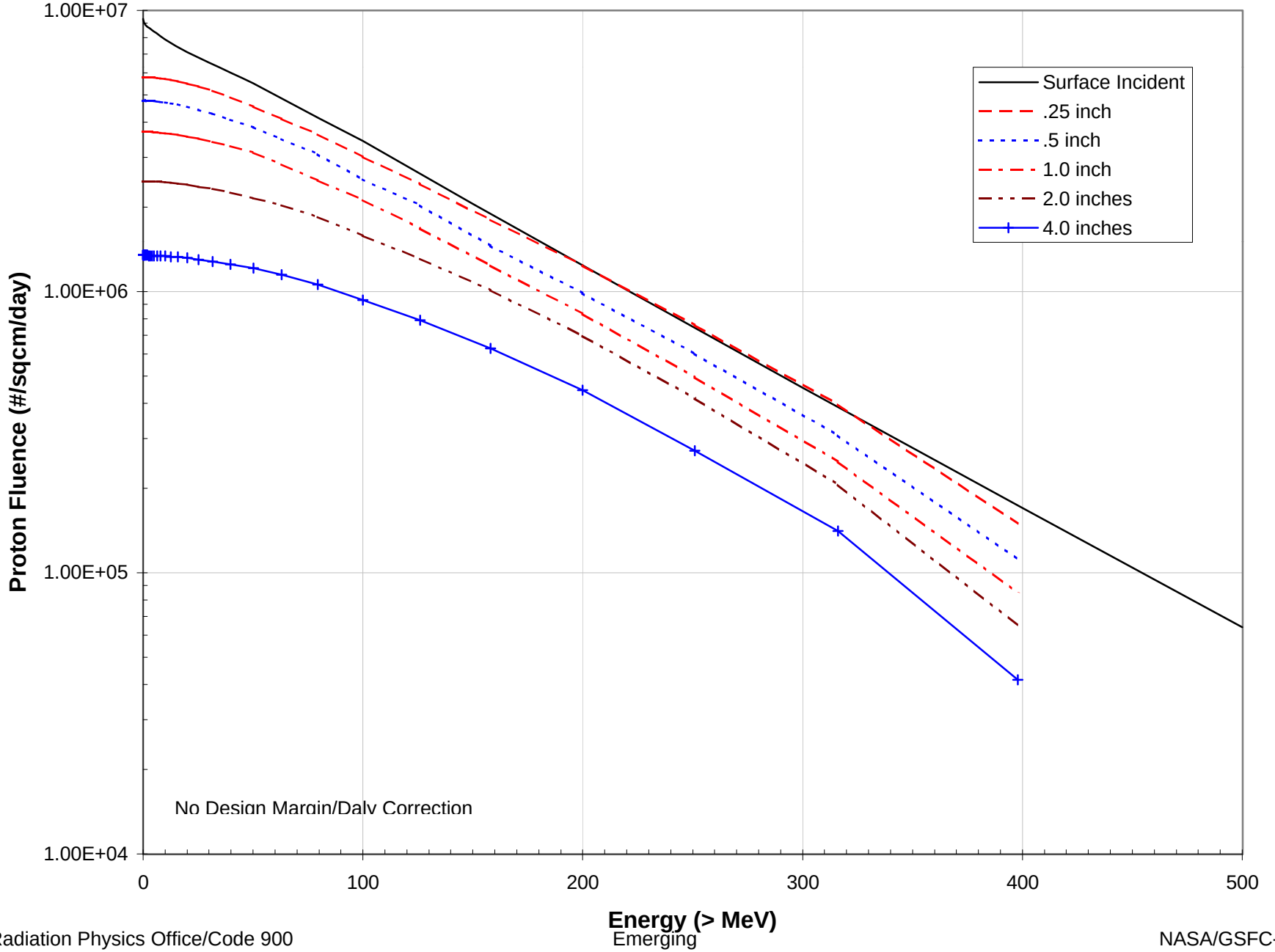
Elec spec

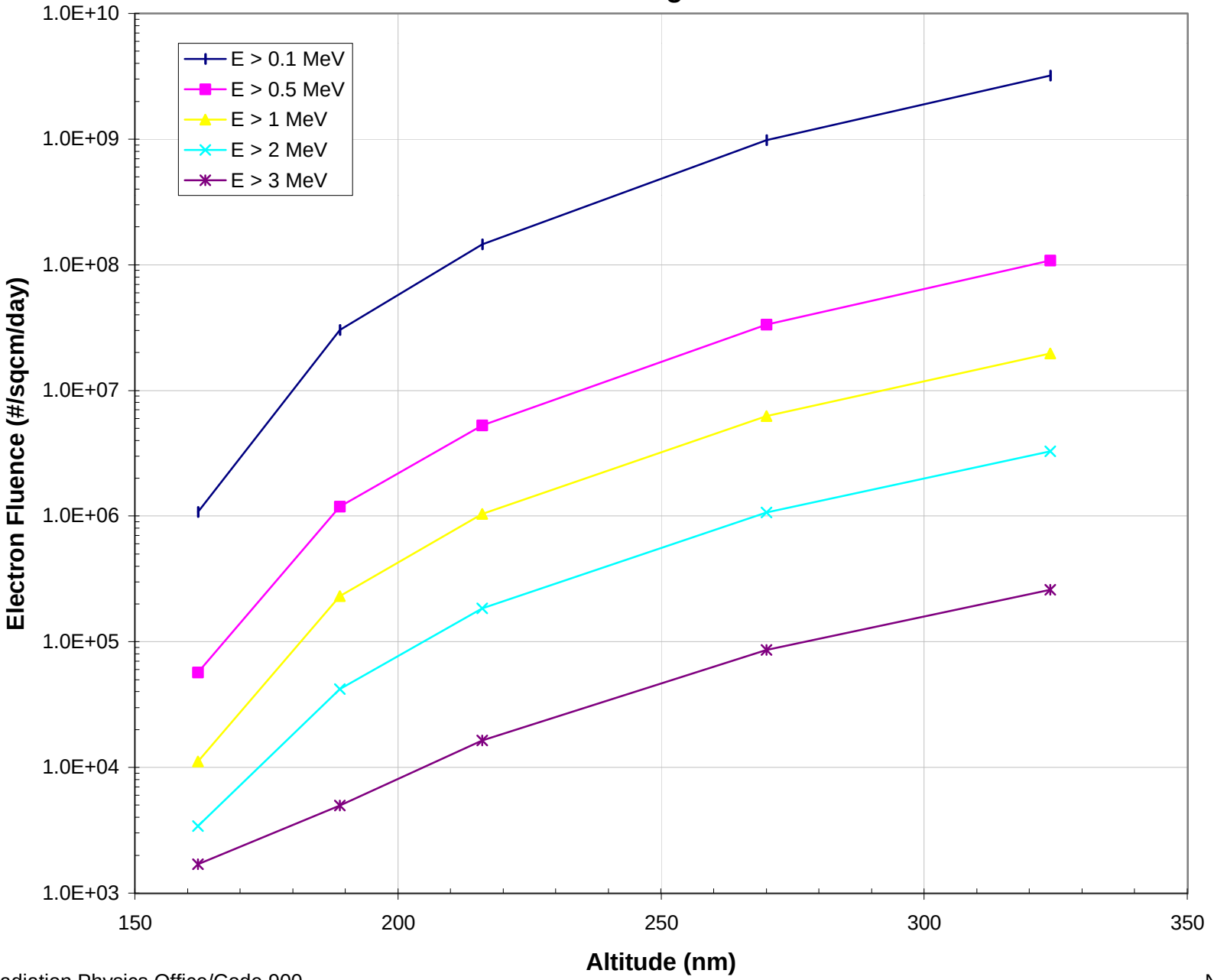
Daily Orbit-Integrated Integral Electron Fluence
HST for Solar Minimum



Daily Orbit-Integrated Integral Trapped Proton Fluence
HST HOST: I=30 deg, H=574/574 km, Solar Minimum



Daily Orbit-Integrated Integral Electron Fluence
Inclination = 30 deg for Solar Minimum



If you would like to see the data behind these plots, please check out the Excel version