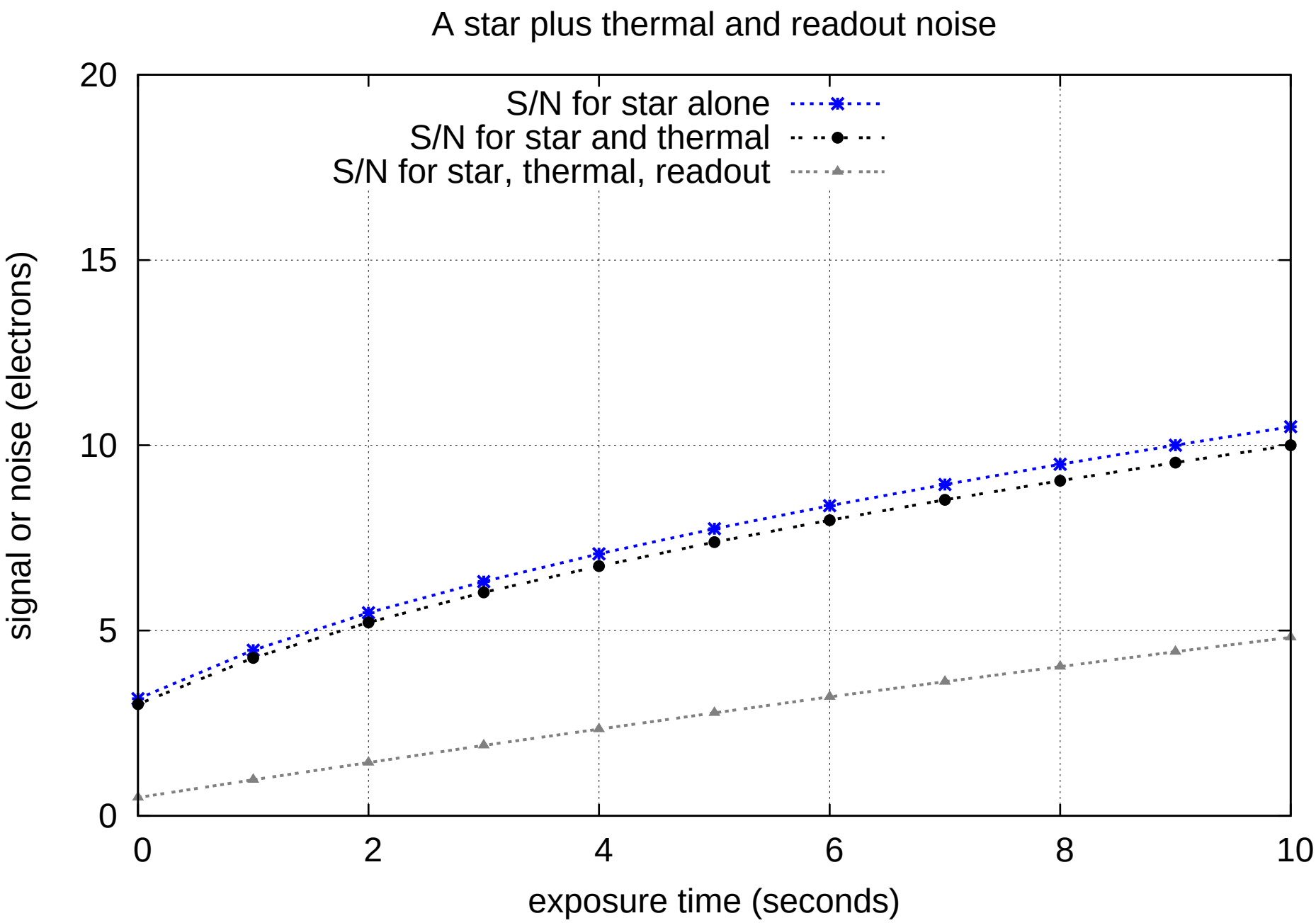
A star plus thermal and readout noise
S/N for star alone
S/N for star and thermal
S/N for star, thermal, readout
signal or noise (electrons)
exposure time (seconds)
0
5
10
15
20
0
2
4
6
8
10