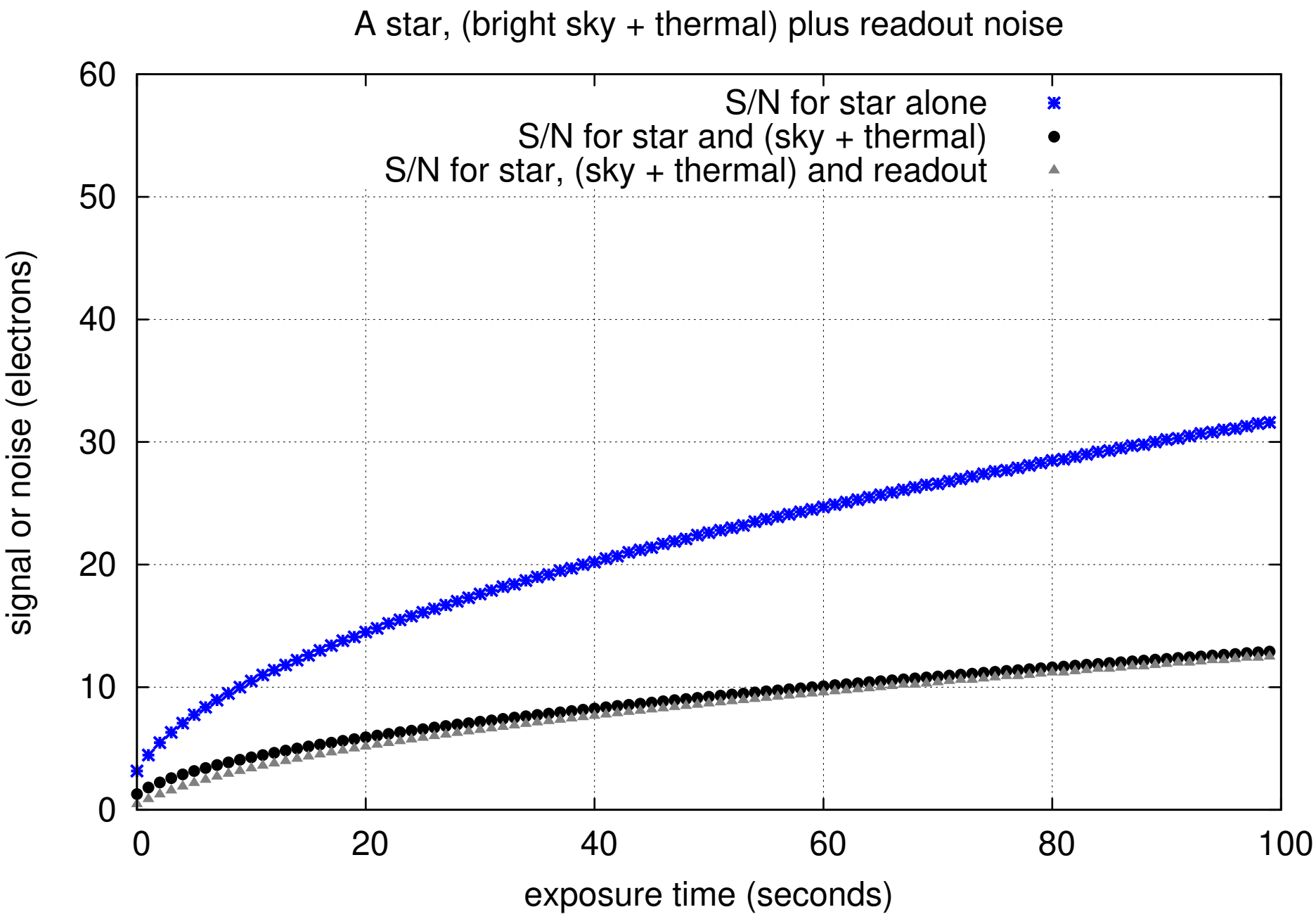
A star, (bright sky + thermal) plus readout noise
S/N for star alone
S/N for star and (sky + thermal)
S/N for star, (sky + thermal) and readout
signal or noise (electrons)
exposure time (seconds)
0
10
20
30
40
50
60
0
20
40
60
80
100