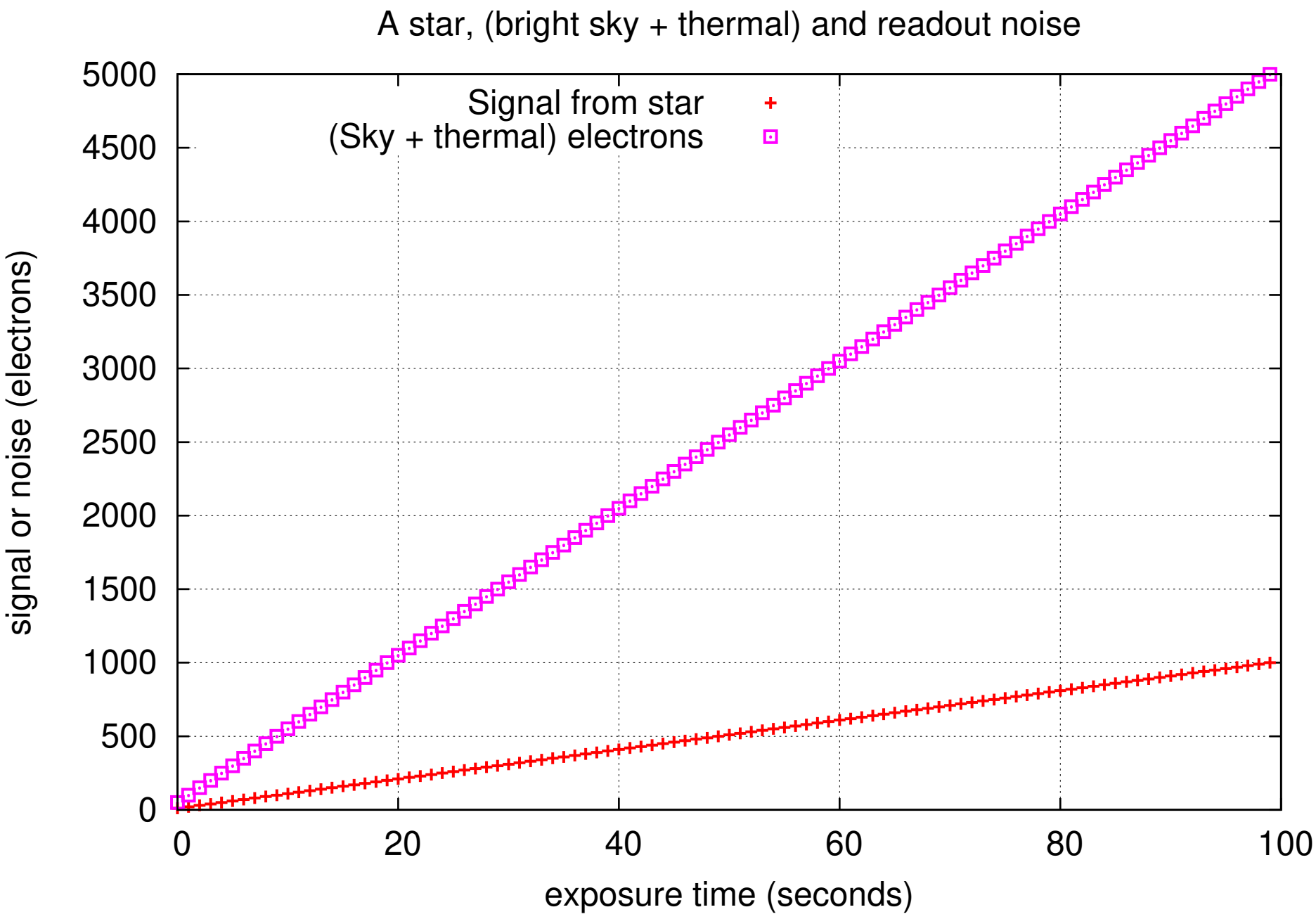
A star, (bright sky + thermal) and readout noise
Signal from star
(Sky + thermal) electrons
signal or noise (electrons)
exposure time (seconds)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
0
20
40
60
80
100