

Island Loading [pW]

0 10 20 30 40 50 60 70

NEP

- Total
- Phonon
- GR
- Amplifier
- TLS @ 1 Hz

NEP [aW/ $\sqrt{\text{Hz}}$]

70
60
50
40
30
20
10
0

Island Temperature [mK]

300 400 500 600 700 800

