

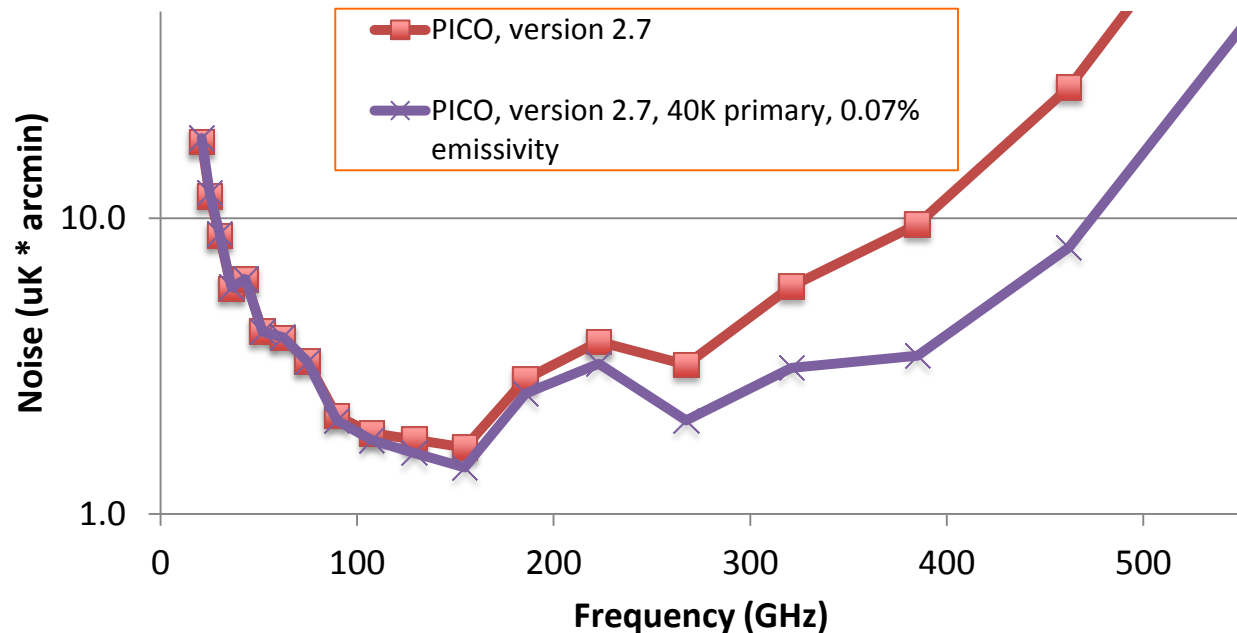
# Noise Update

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# Preparing V 3.0

- 40 K primary (Planck operating point)
- 0.07% emissivity at all frequencies (Planck fit to 100-857 GHz flight data)
- V2.7 focal plane. 16 x 12 deg, 55 x 47 cm. margin added for detector spacing
  - 12060 bolos
  - Old temperature and emissivity 0.75  $\mu\text{K arcmin}$
  - New temperature and emissivity 0.65  $\mu\text{K arcmin}$



- Other pending changes for 3.0
  - Observing efficiency to 95 %
    - Number bolometers increased 5 % to compensate. To 12700.
  - Focal plane being laid out, diameter may need to increase by few cm.