

# Focal Plane Temperature and Gain Stability

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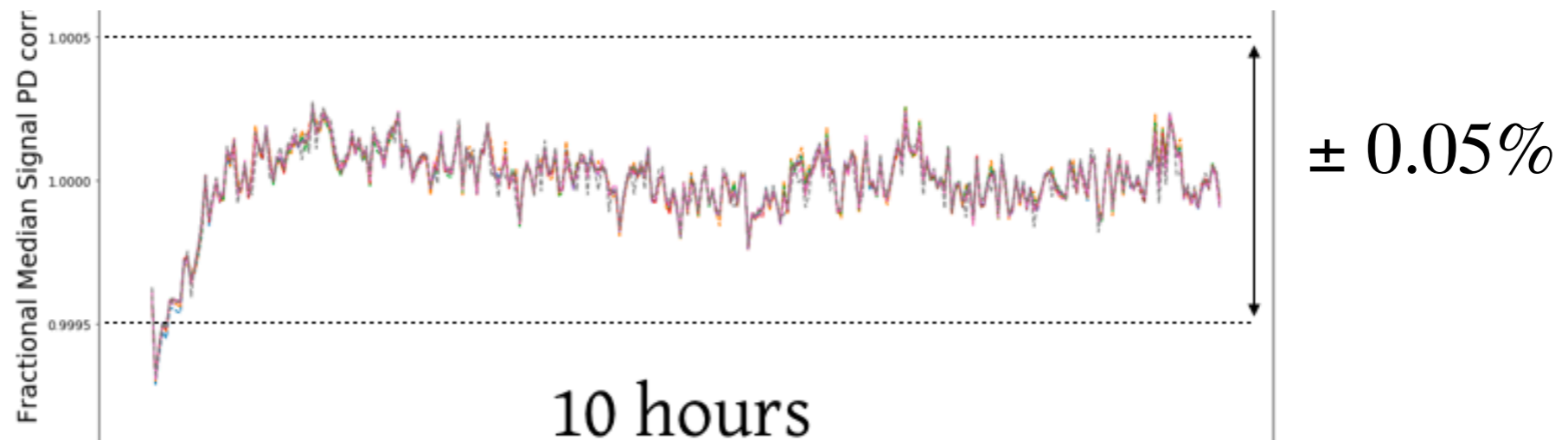
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# Focal Plane Temperature & Gain Stability

- ◆ *Camera Requirement: 0.1% RMS Gain stability over 1 hr., or Gain correction algorithm*
- ◆ Expect  $\sim 0.1\%/^{\circ}\text{C}$  Gain variation from Science Raft studies, Nomerotski & O'Connor, Antilogus
- ◆ Cryostat operation w/ two ETUs:



- ◆ Cold Plate Temperature
  - ◆ Spikes may cause short 1-2 $^{\circ}\text{C}$  temperature changes
  - ◆ Correction at 0.1-0.2% may be needed

