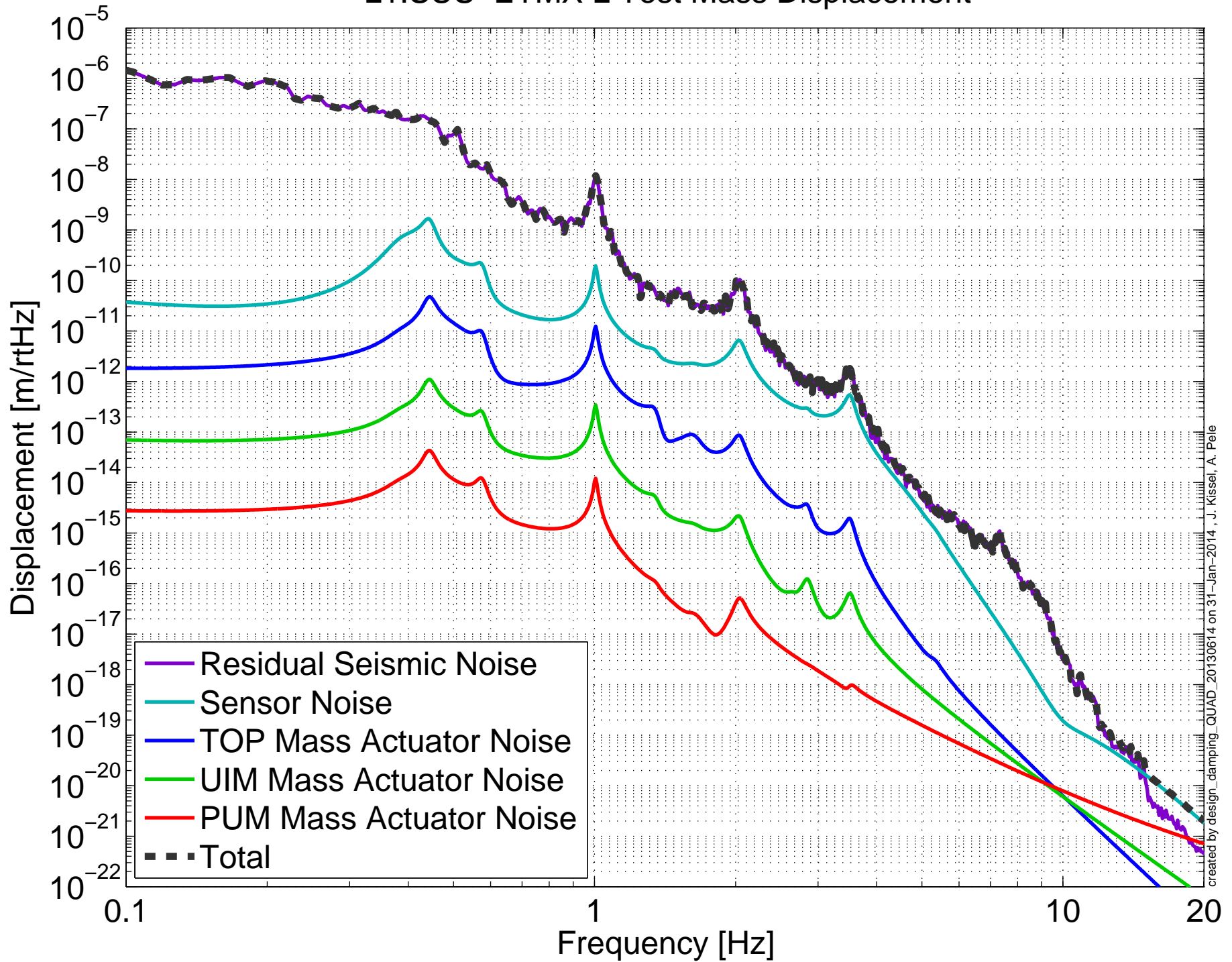


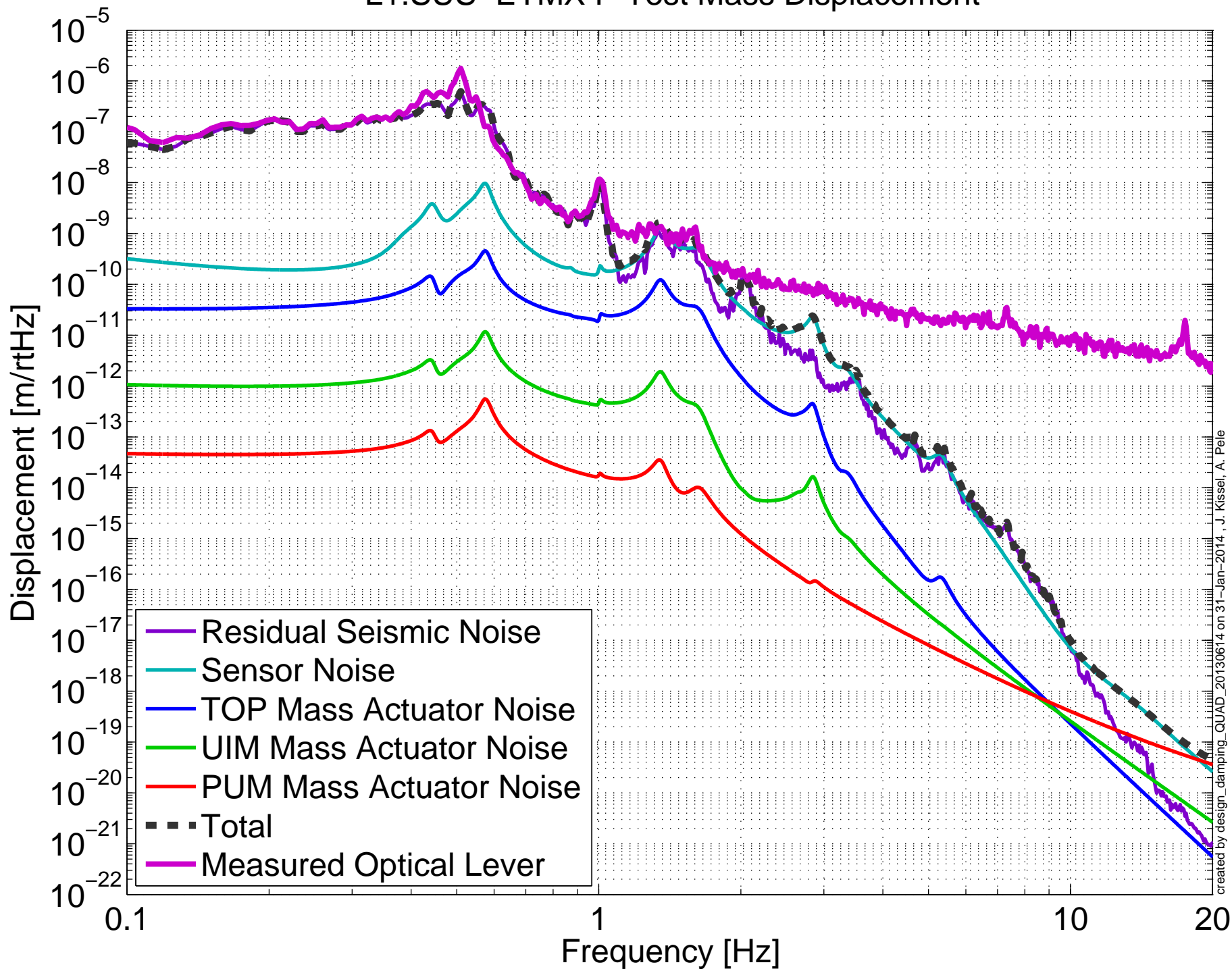
Damping Loop Performance

L1:SUS-ETMX L Test Mass Displacement



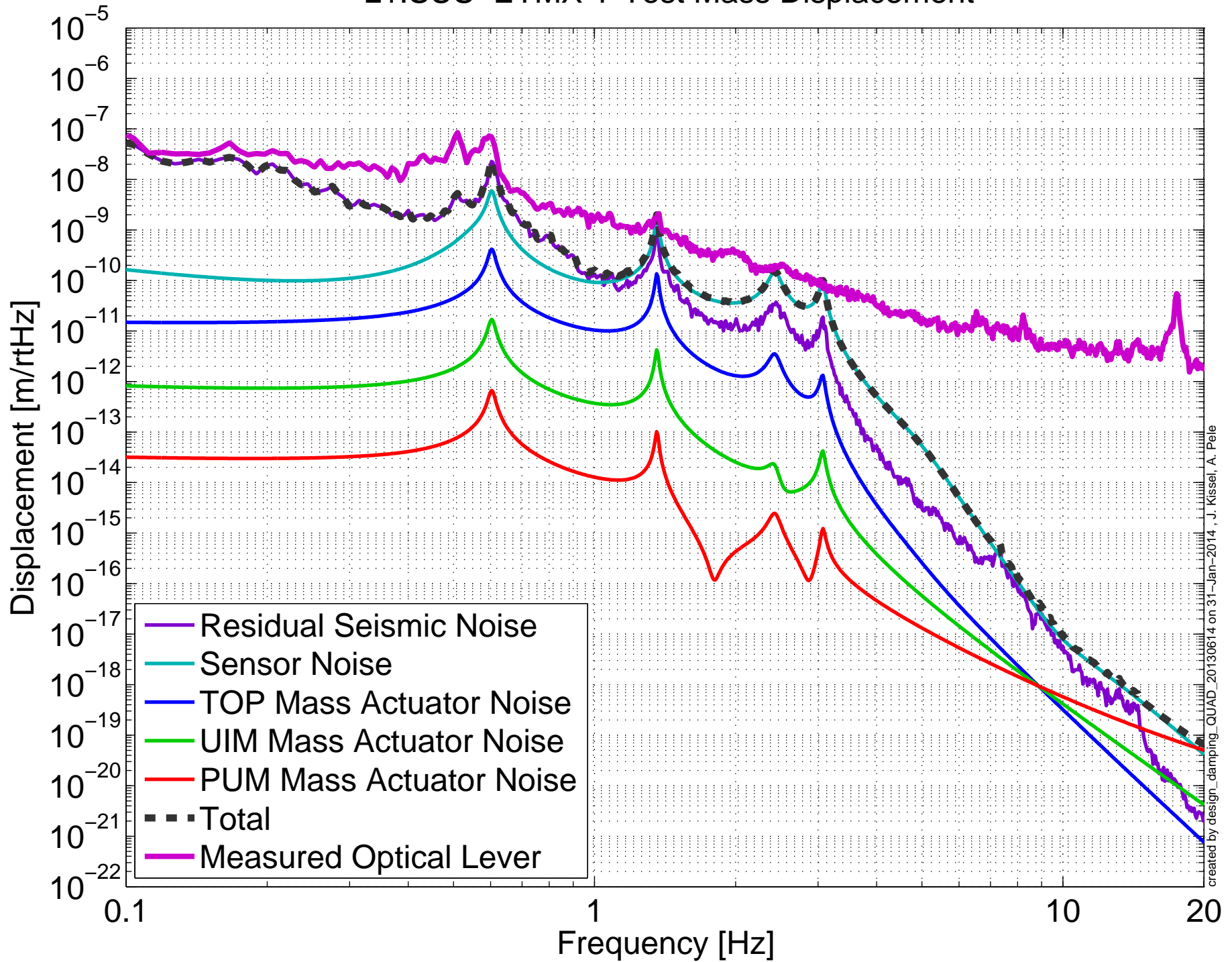
Damping Loop Performance

L1:SUS-ETMX P Test Mass Displacement



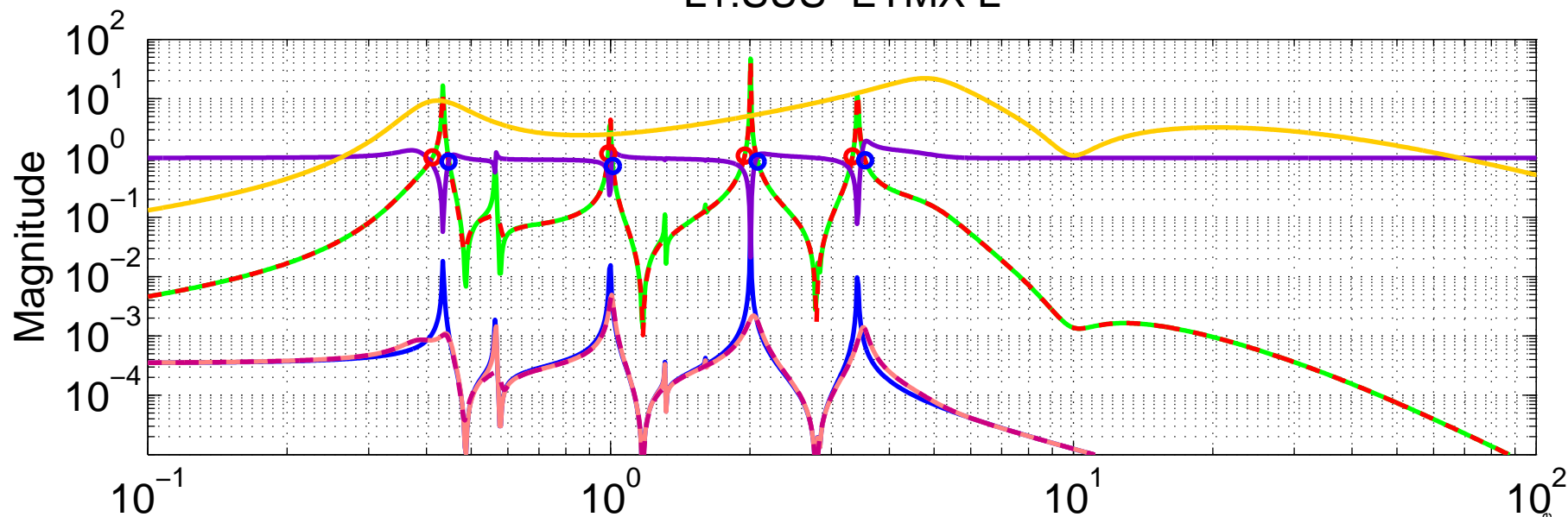
Damping Loop Performance

L1:SUS-ETMX Y Test Mass Displacement

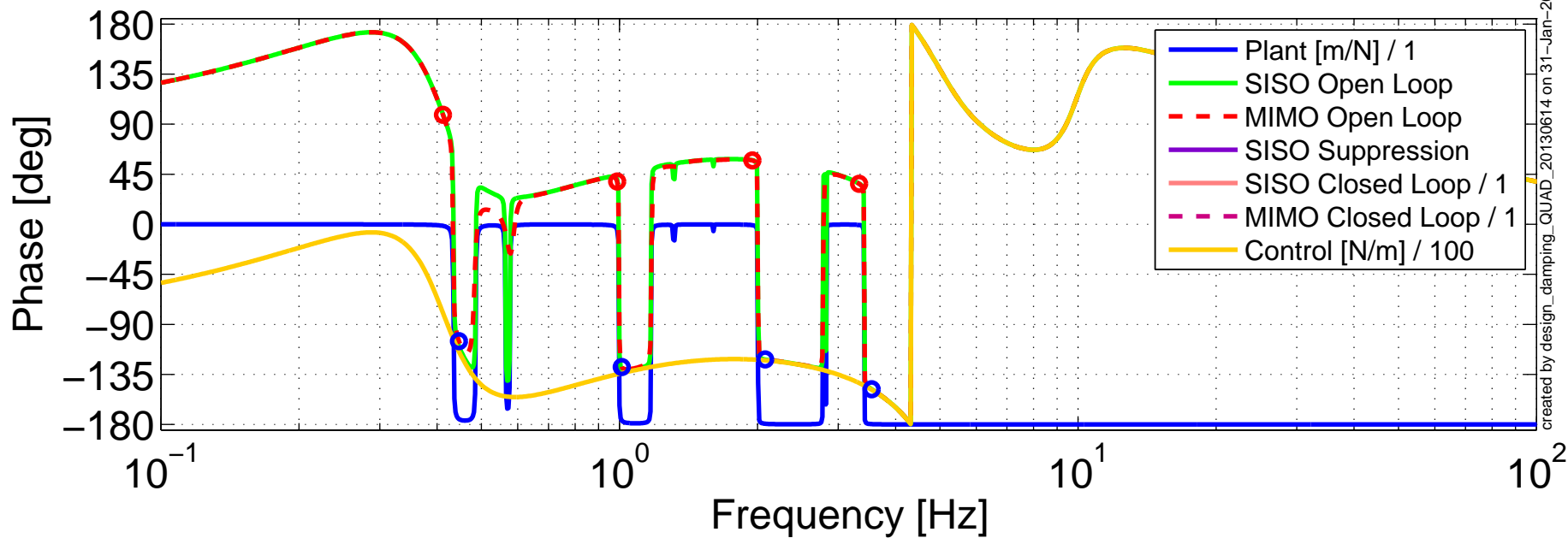


Damping Loop Design

L1:SUS-ETMX L



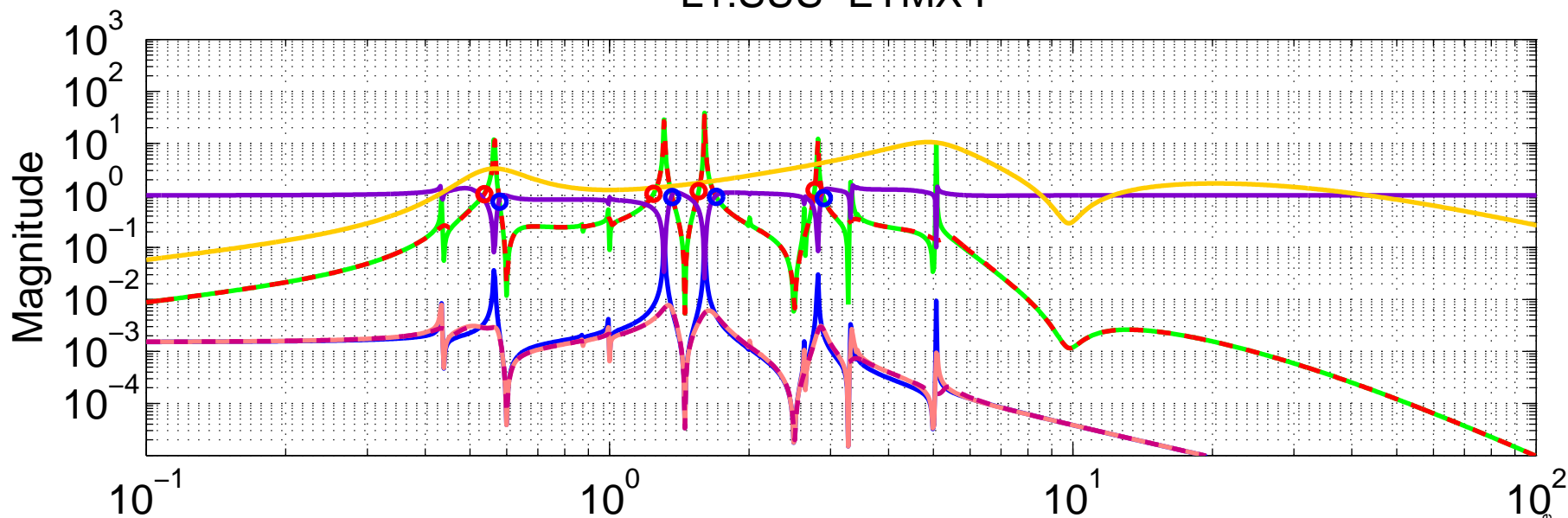
MIMO LUGF Phase Margins (red): [81.6 142 123 144] [deg]
MIMO UUGF Phase Margins (blue): [74.9 51.6 58.5 31.7] [deg]



- Plant [m/N] / 1
- SISO Open Loop
- - - MIMO Open Loop
- SISO Suppression
- SISO Closed Loop / 1
- - - MIMO Closed Loop / 1
- Control [N/m] / 100

Damping Loop Design

L1:SUS-ETMX P



MIMO LUGF Phase Margins (red): [72.8 125 120 133] [deg]
MIMO UUGF Phase Margins (blue): [87.5 60 62.3 51.4] [deg]

