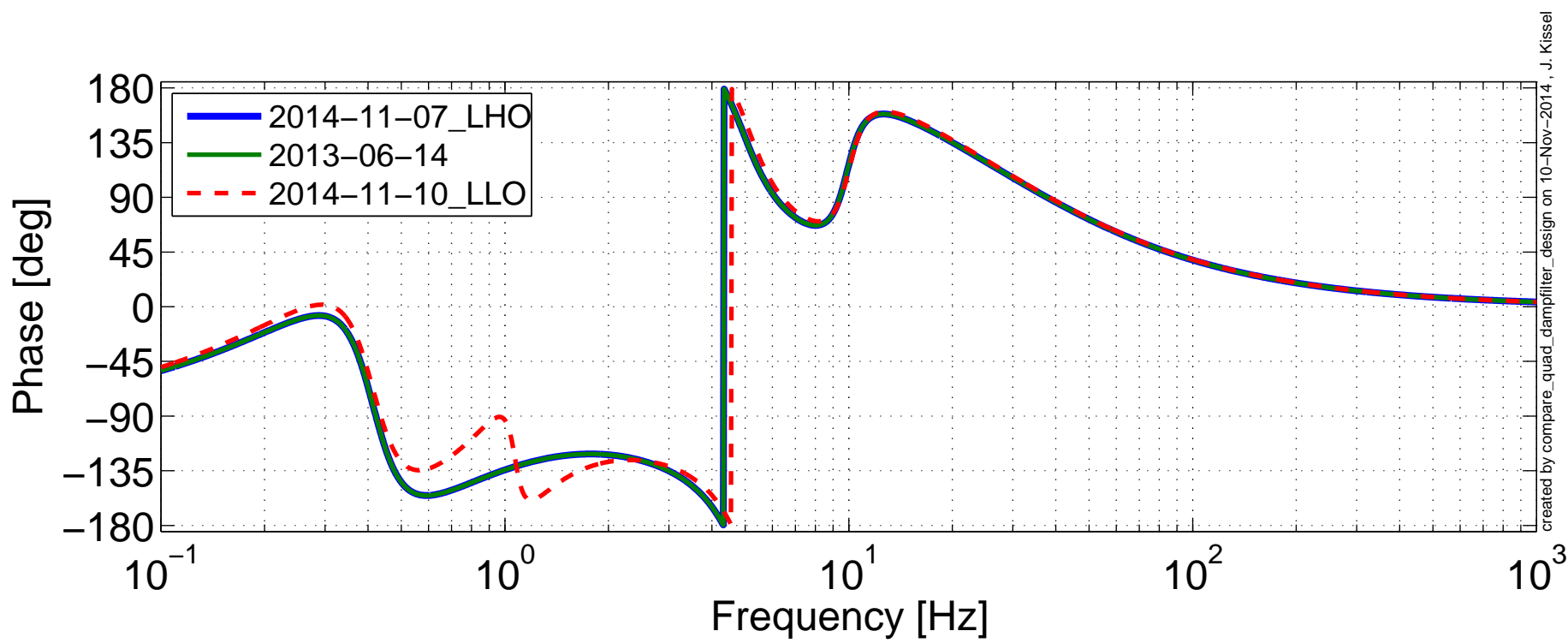
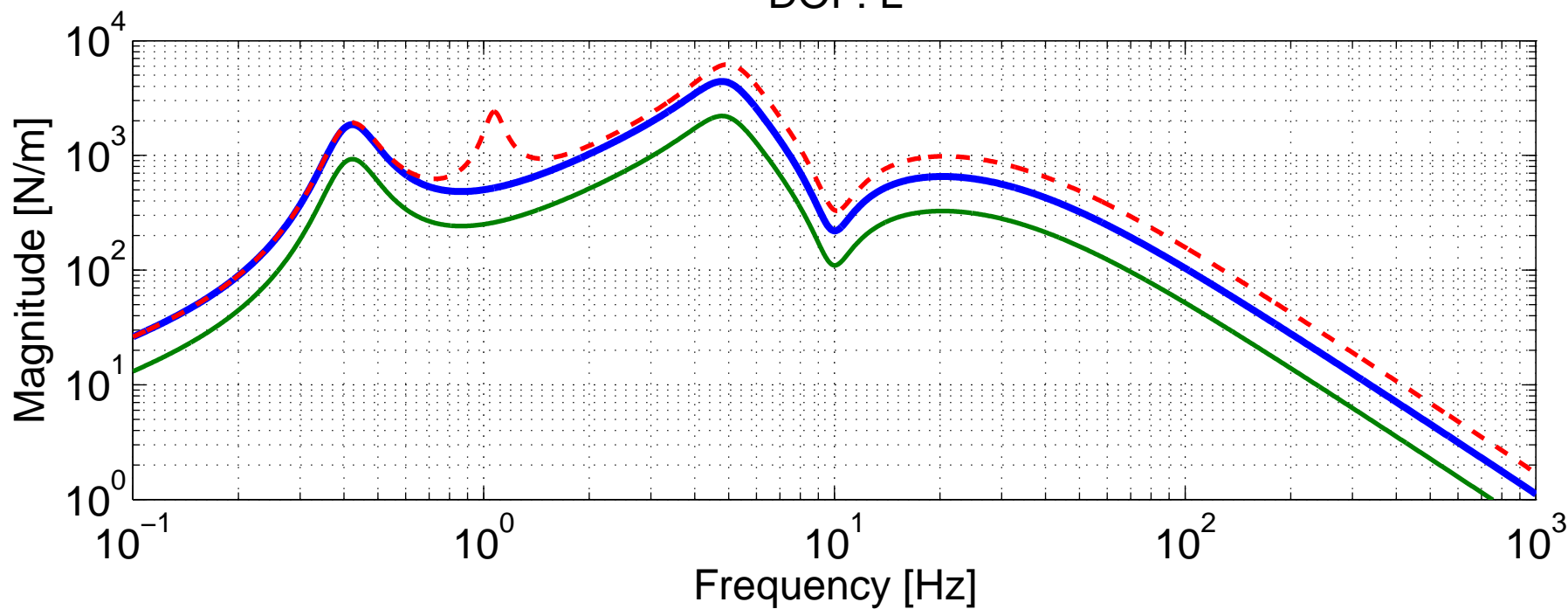
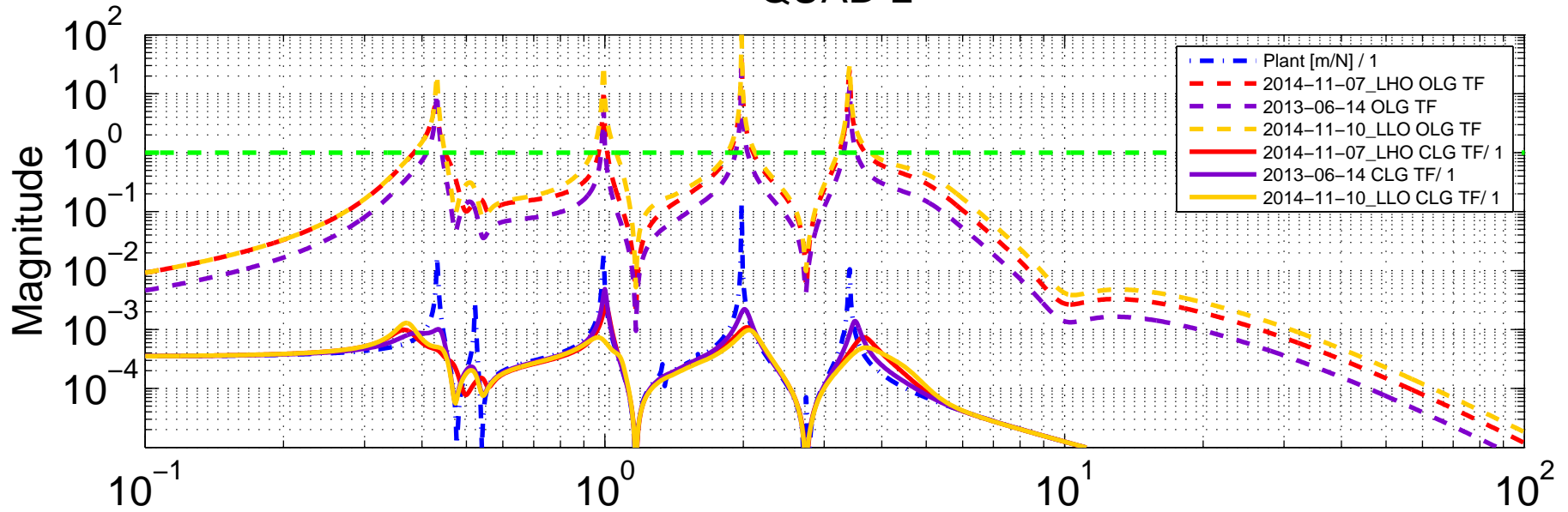


Calibrated Damping Filter Comparison

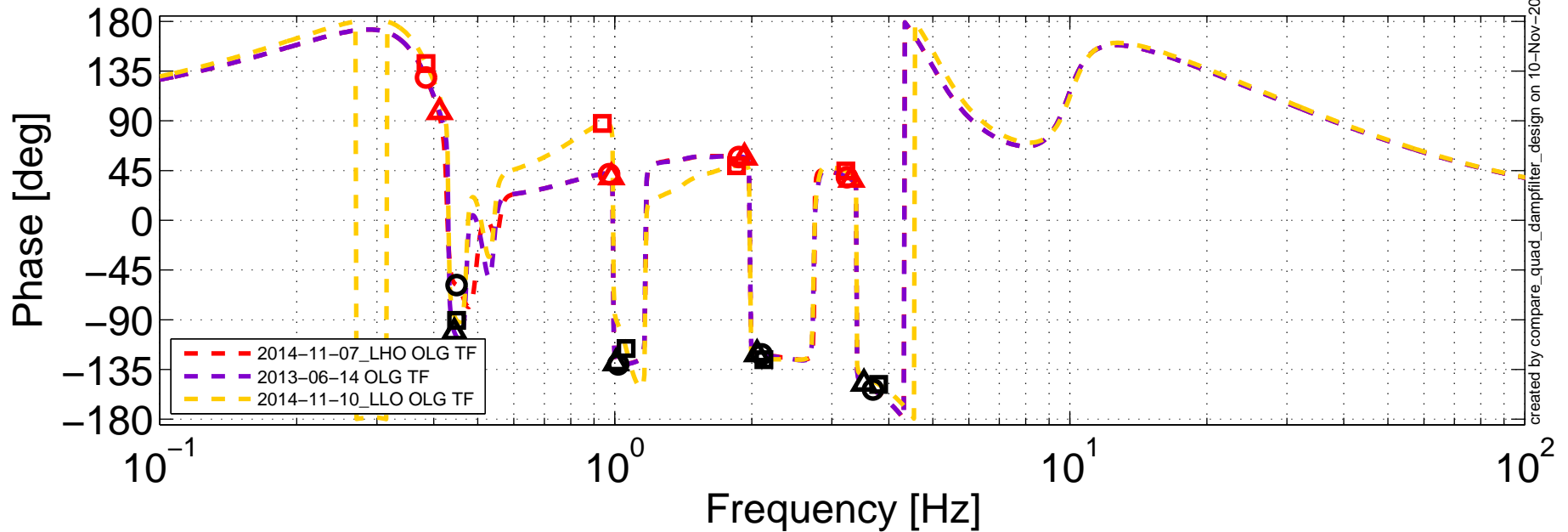
DOF: L



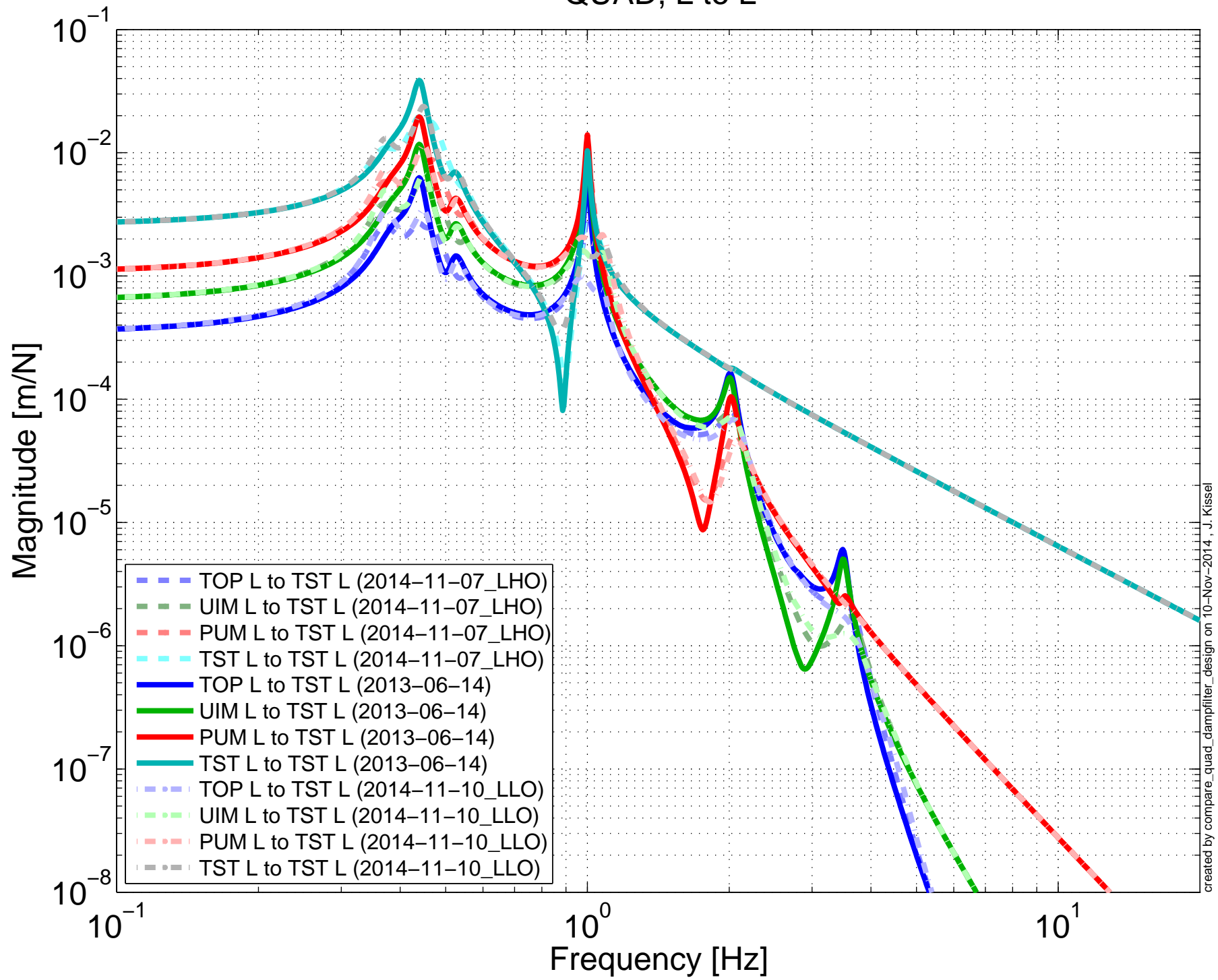
Damping Loop Design Comparison QUAD L



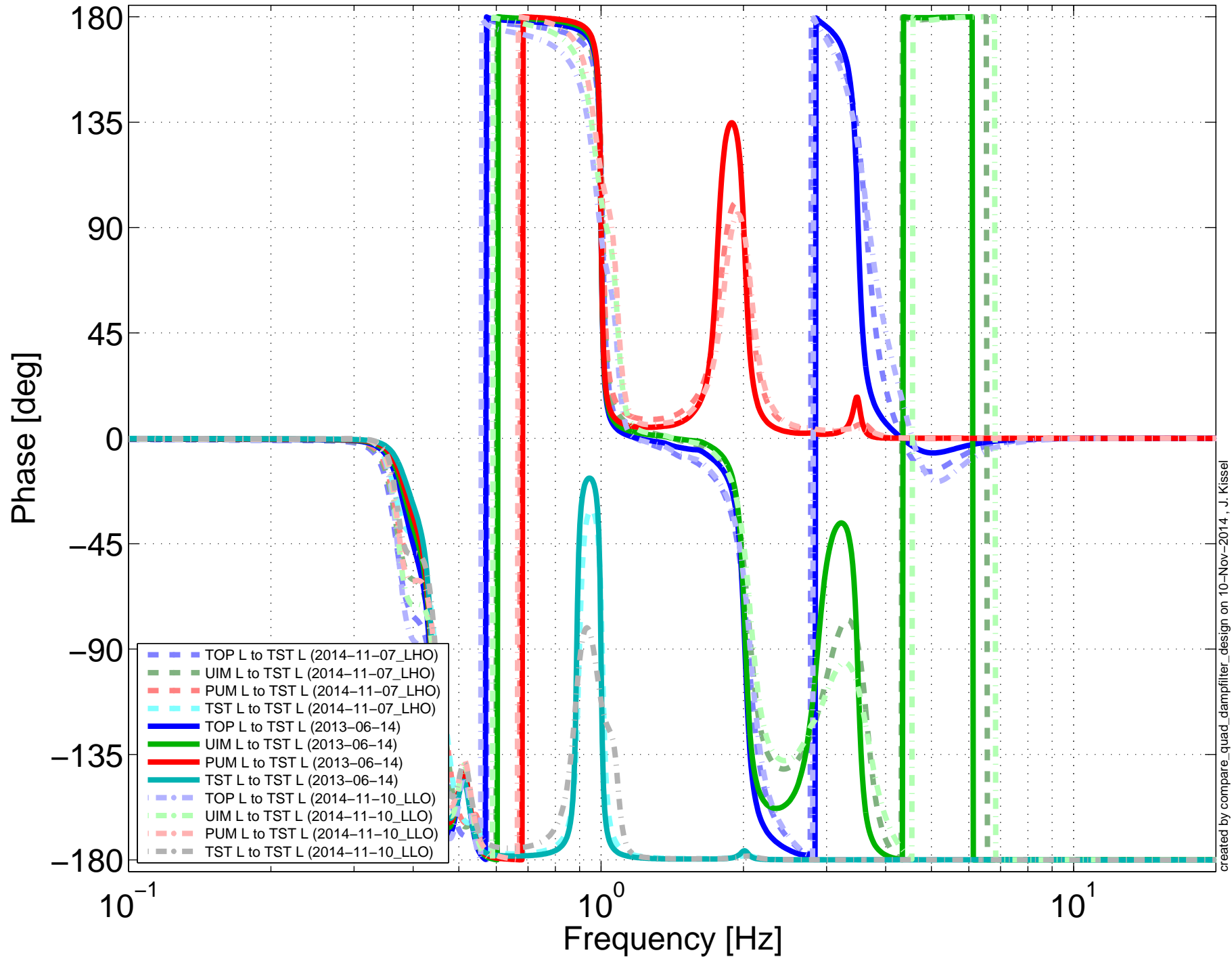
First LUGF [o,^,s] : [LHO, LN, LLO] : [50.7, 82, 38.1] [deg]
 Last UUGF [o,^,s] : [LHO, LN, LLO] : [26.9, 32.3, 31.4] [deg]



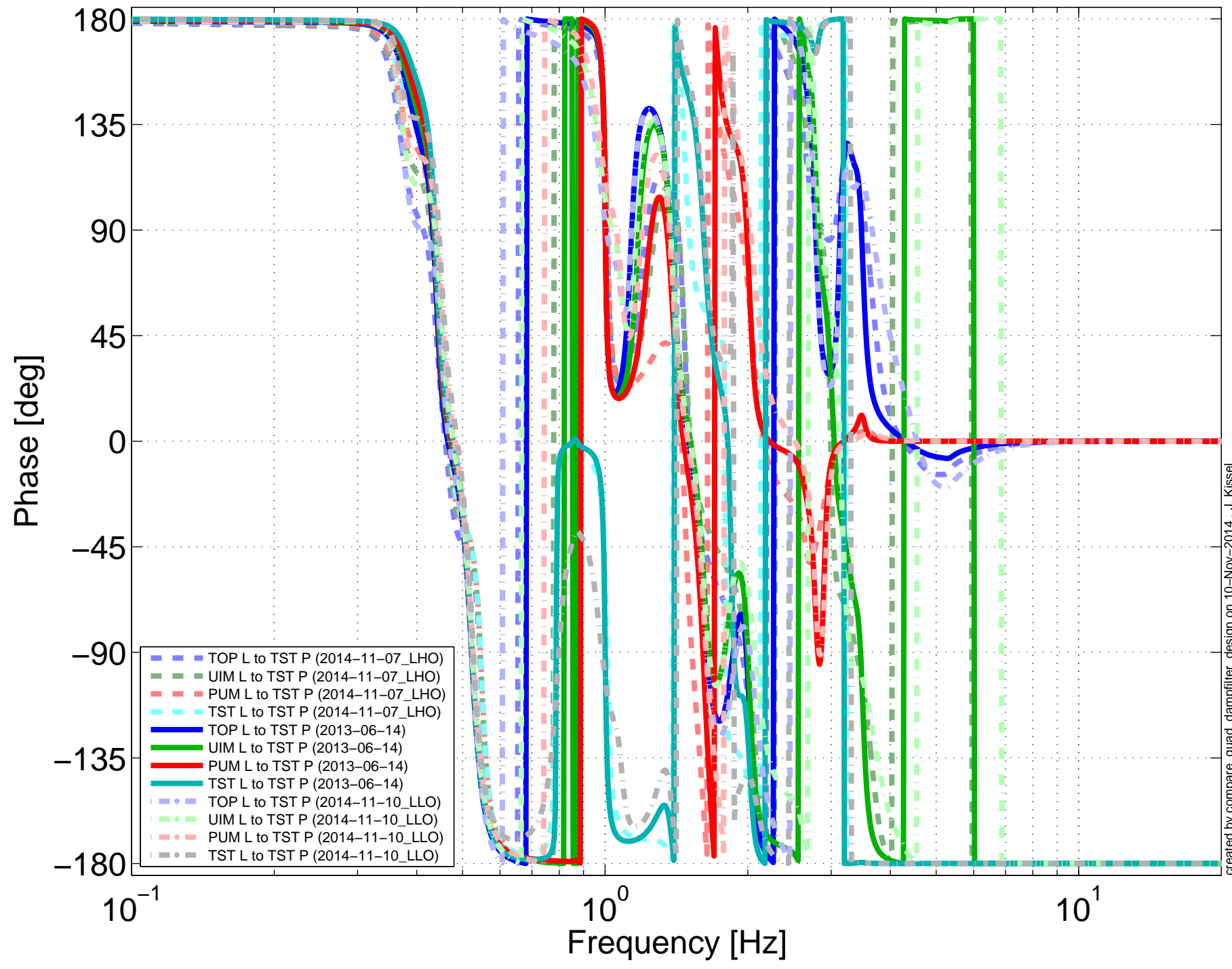
Global Control Transfer Functions to Optic QUAD, L to L



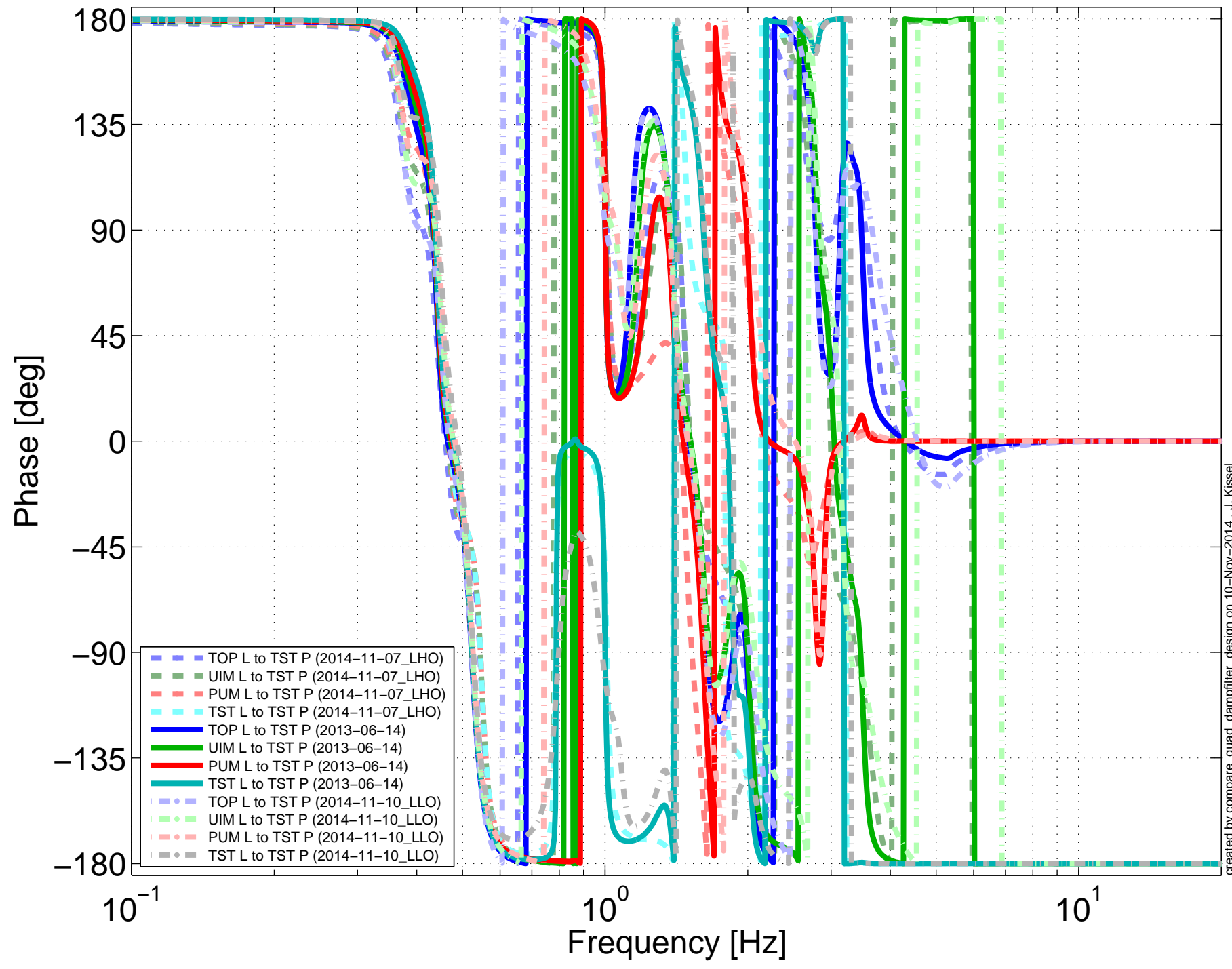
Global Control Transfer Functions to Optic QUAD, L to L



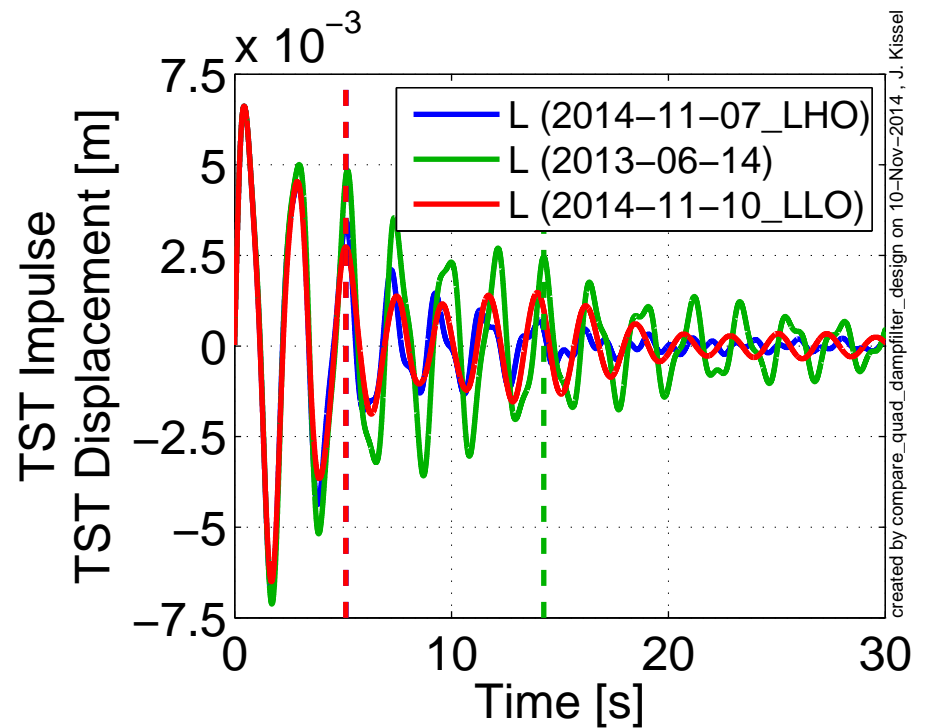
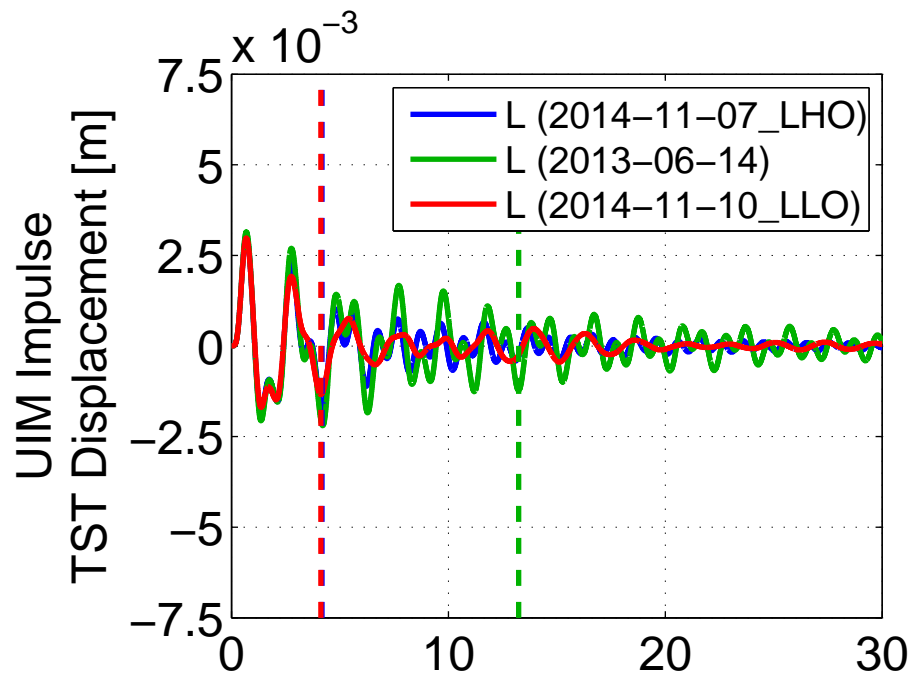
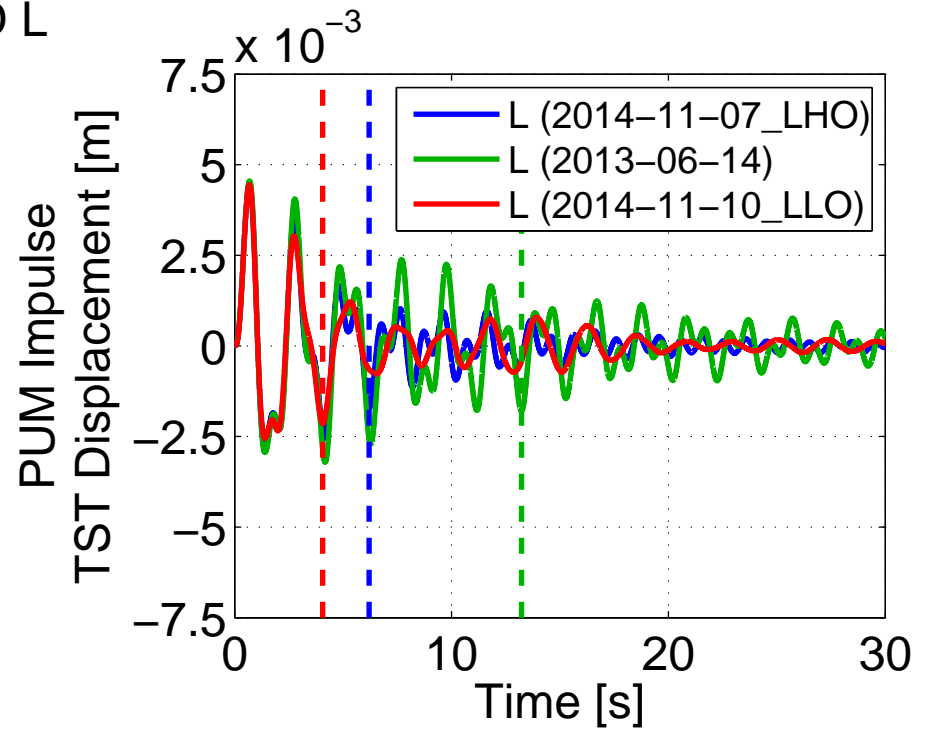
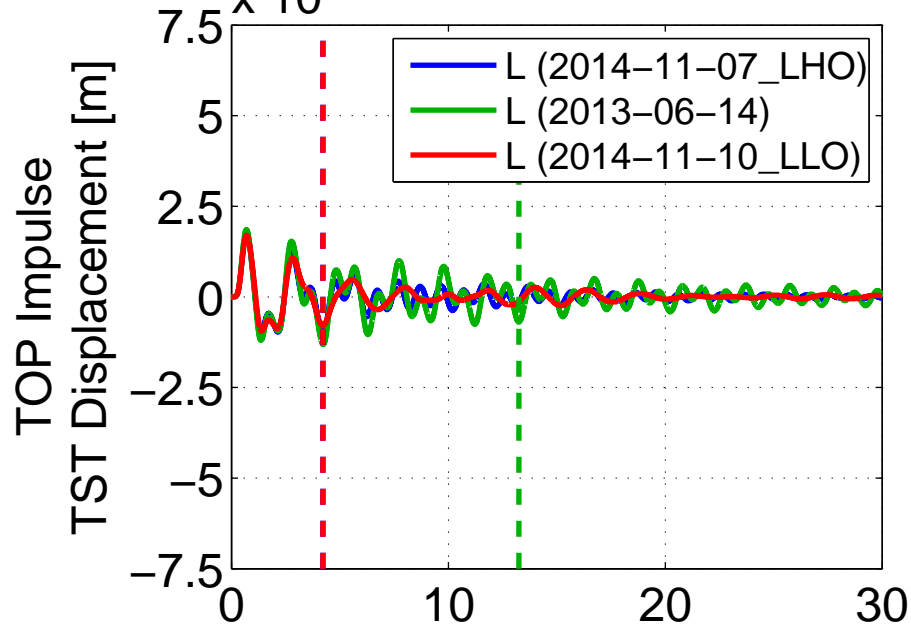
Global Control Transfer Functions to Optic QUAD, L to P



Global Control Transfer Functions to Optic QUAD, L to P

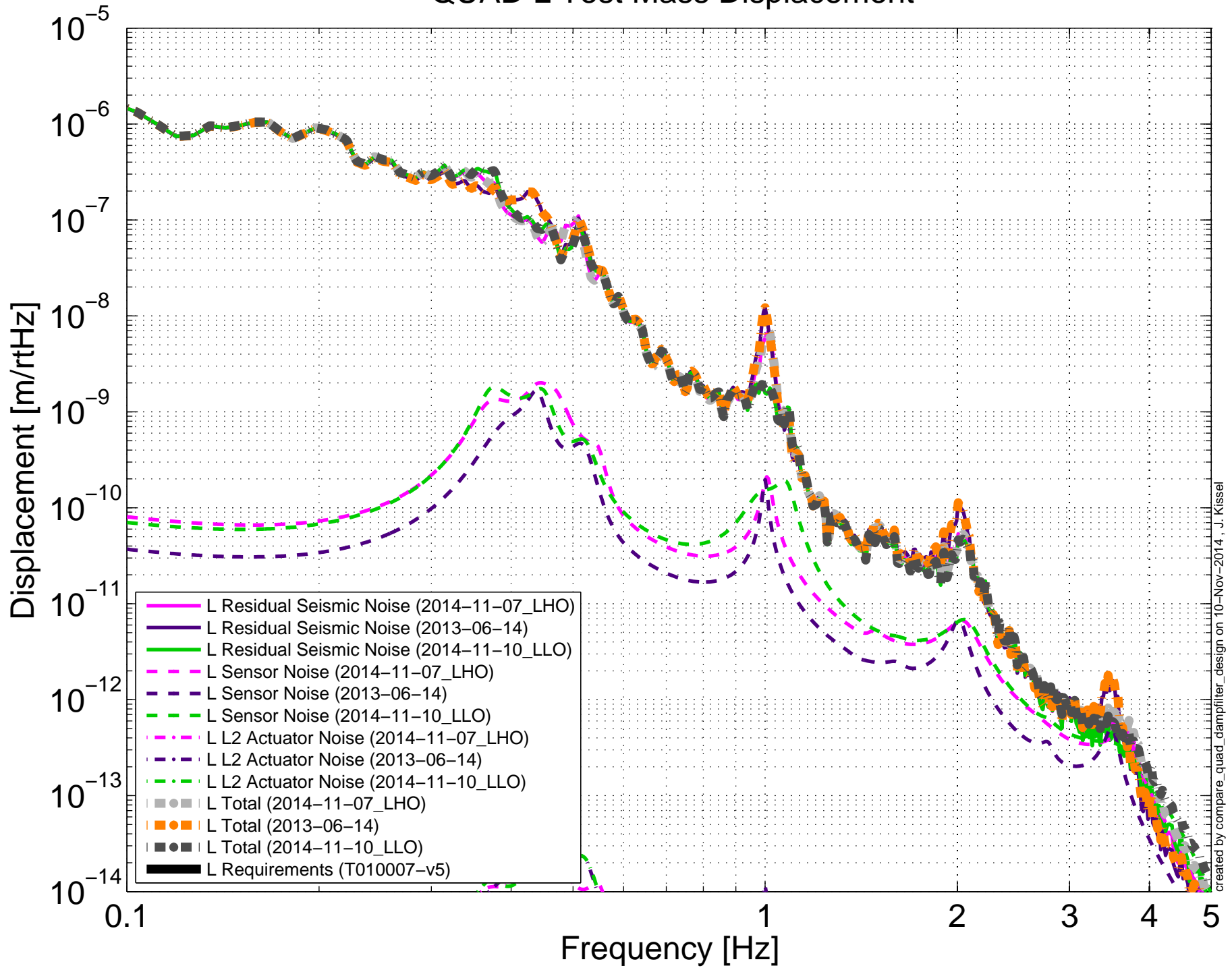


Damped Impulse Response; QUAD L



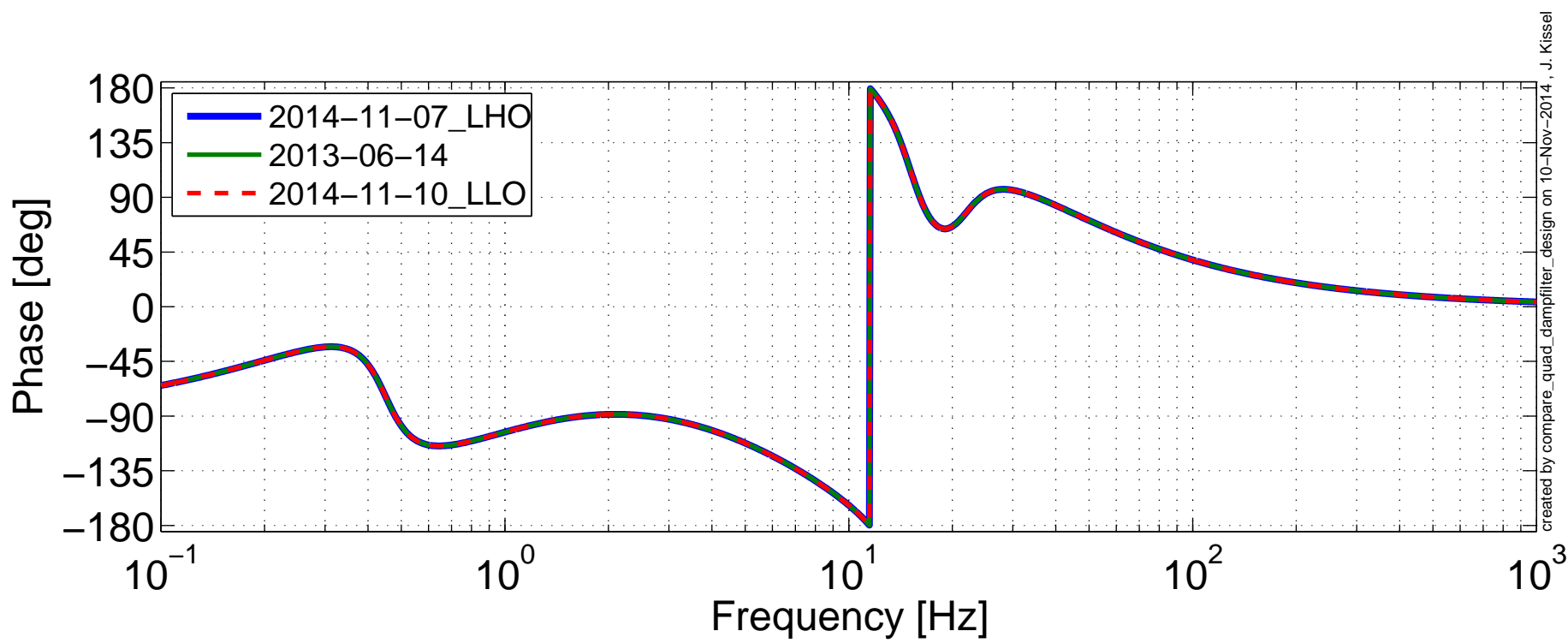
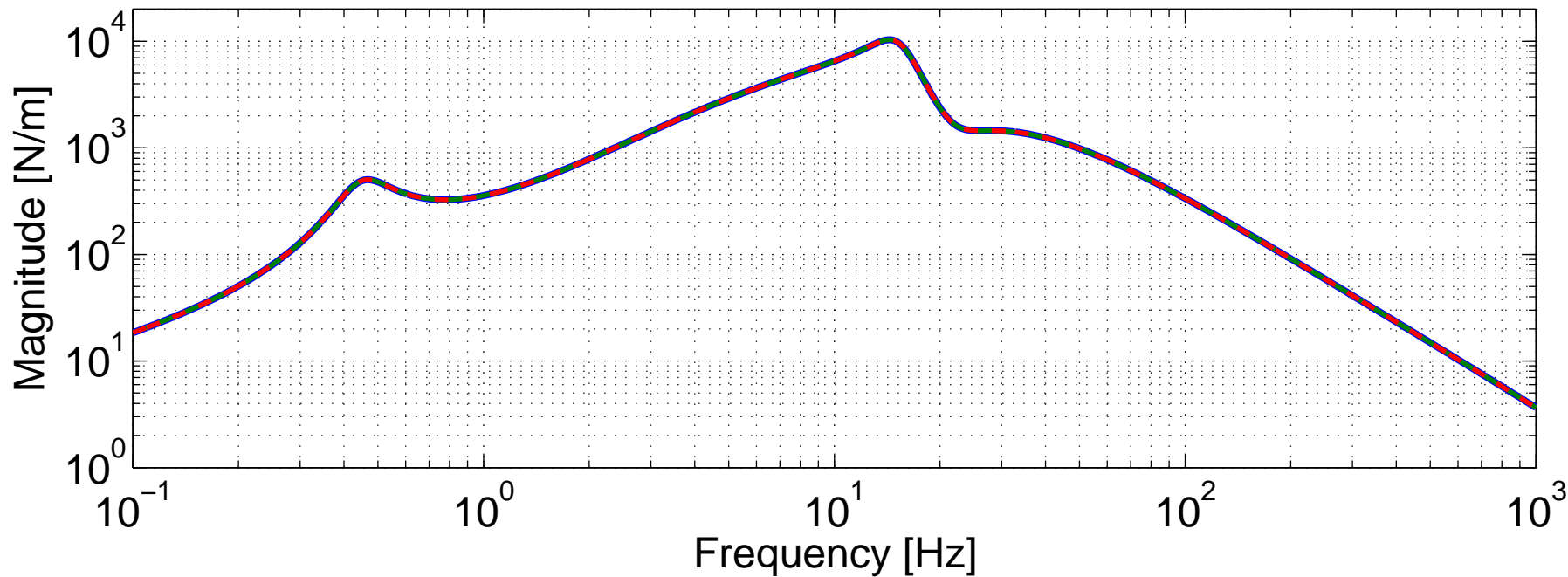
Damping Loop Performance Comparison

QUAD L Test Mass Displacement



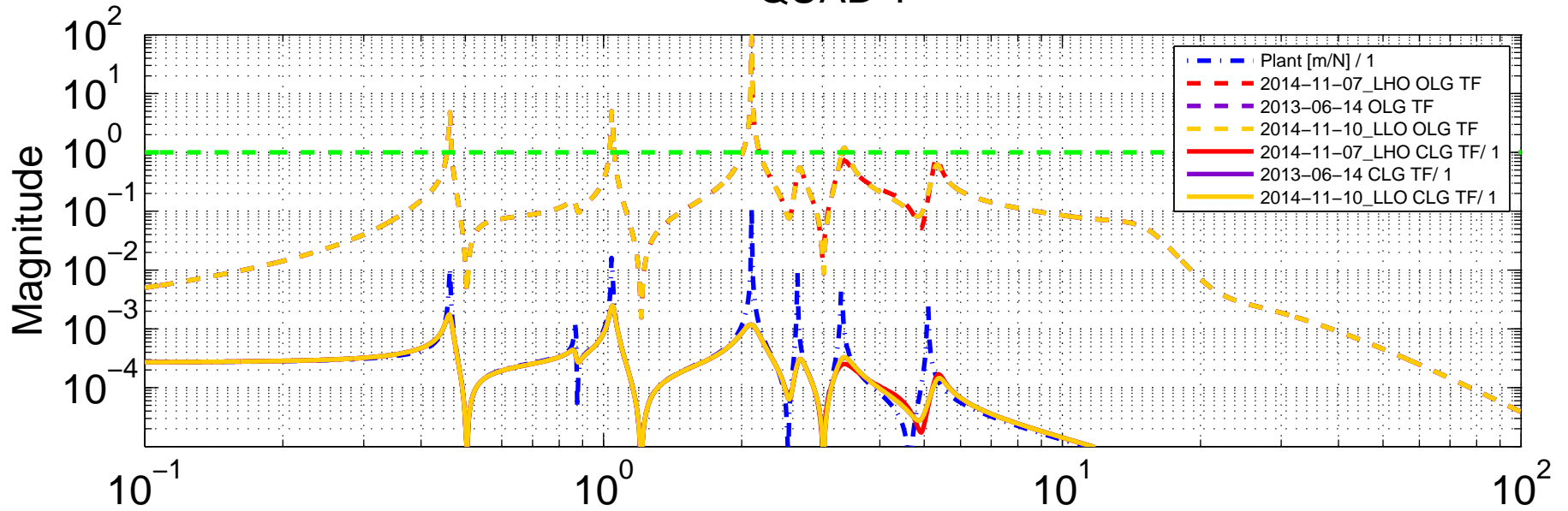
Calibrated Damping Filter Comparison

DOF: T

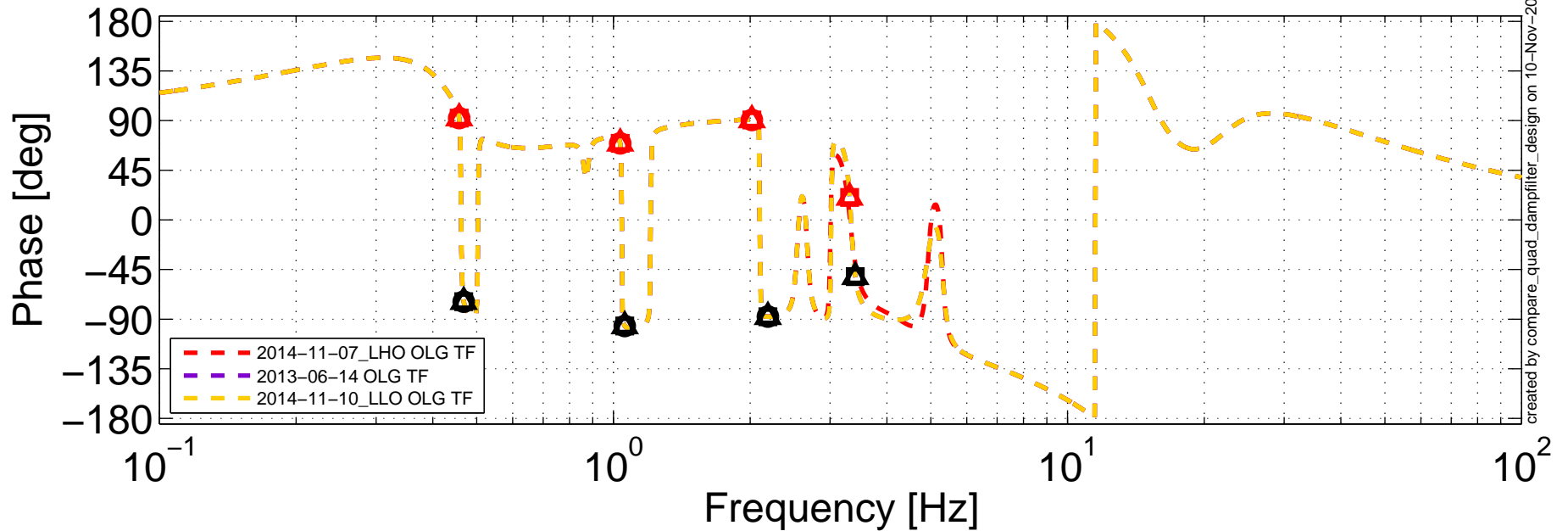


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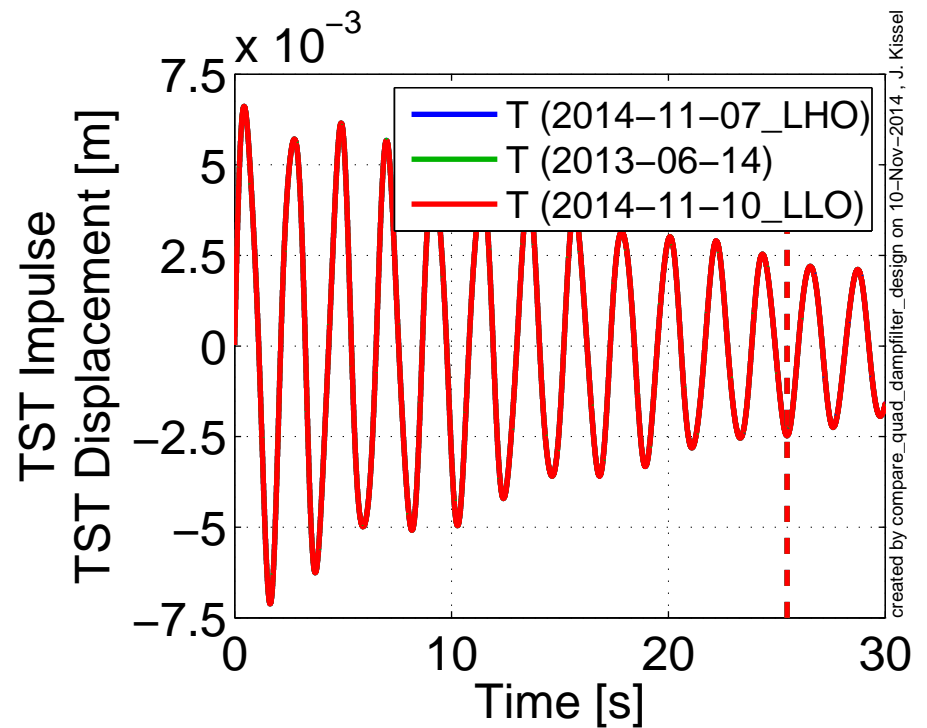
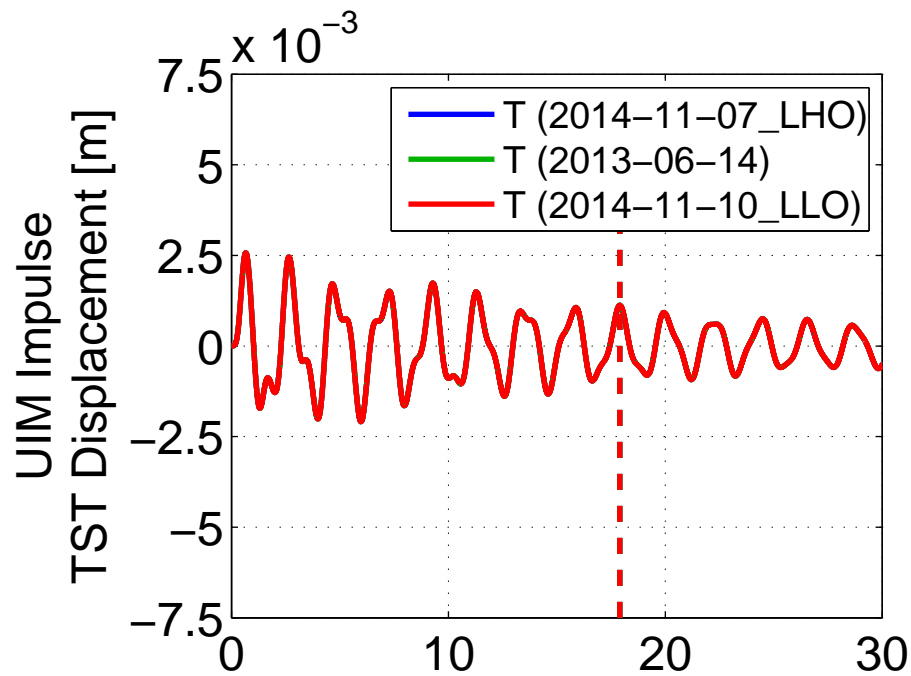
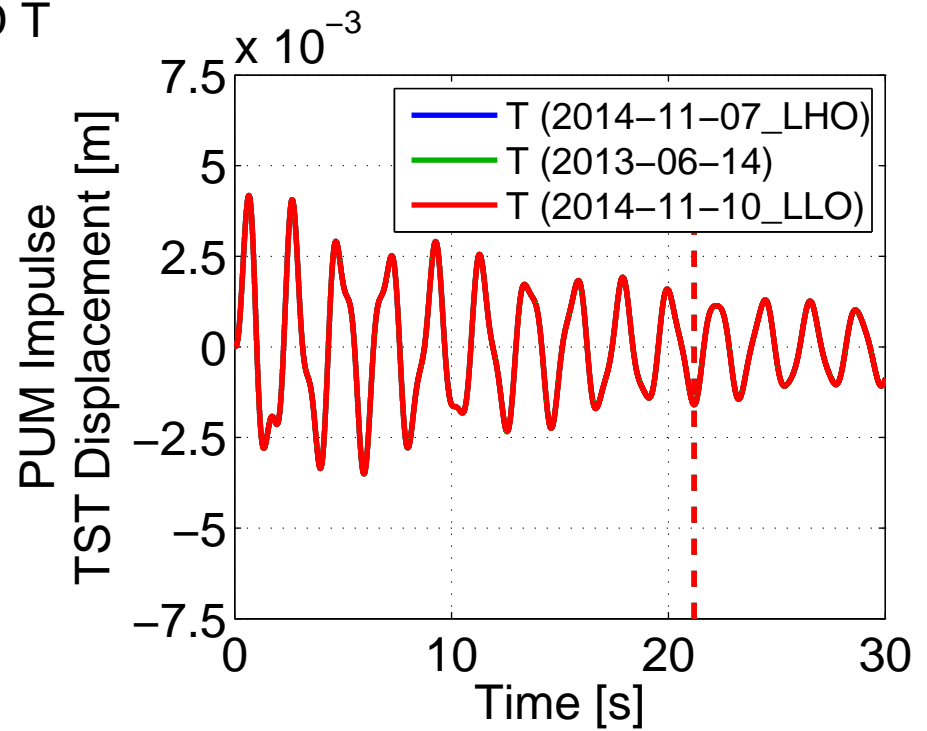
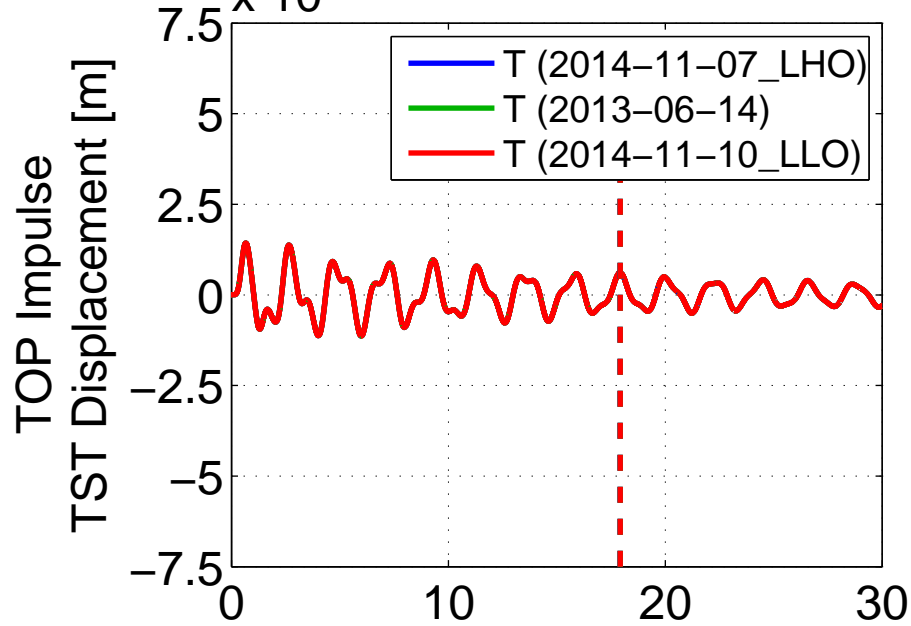
Damping Loop Design Comparison QUAD T



First LUGF [o,^,s] : [LHO, LN, LLO] : [87.7, 87.7, 87.7] [deg]
 Last UUGF [o,^,s] : [LHO, LN, LLO] : [92.4, 128, 128] [deg]

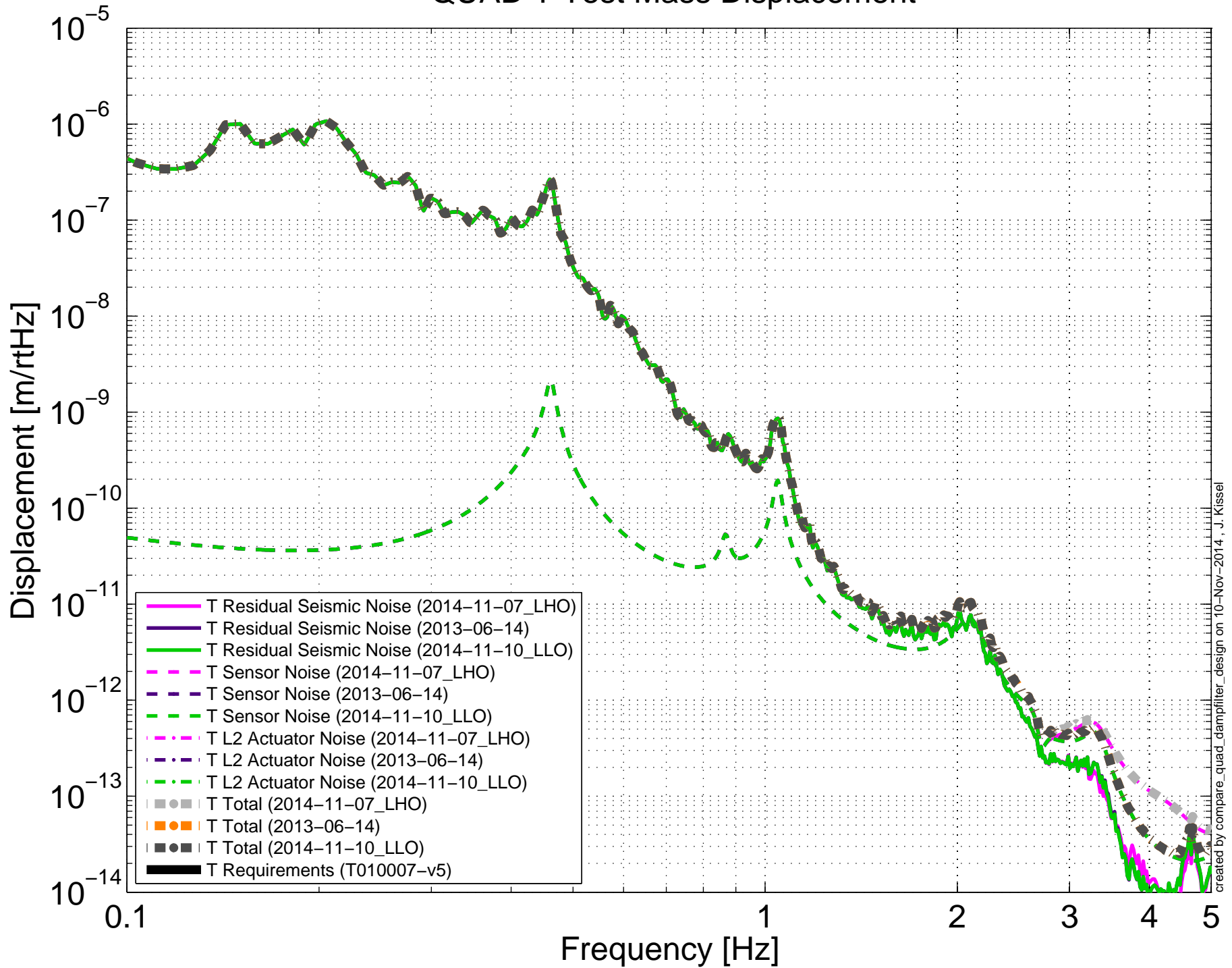


Damped Impulse Response; QUAD T



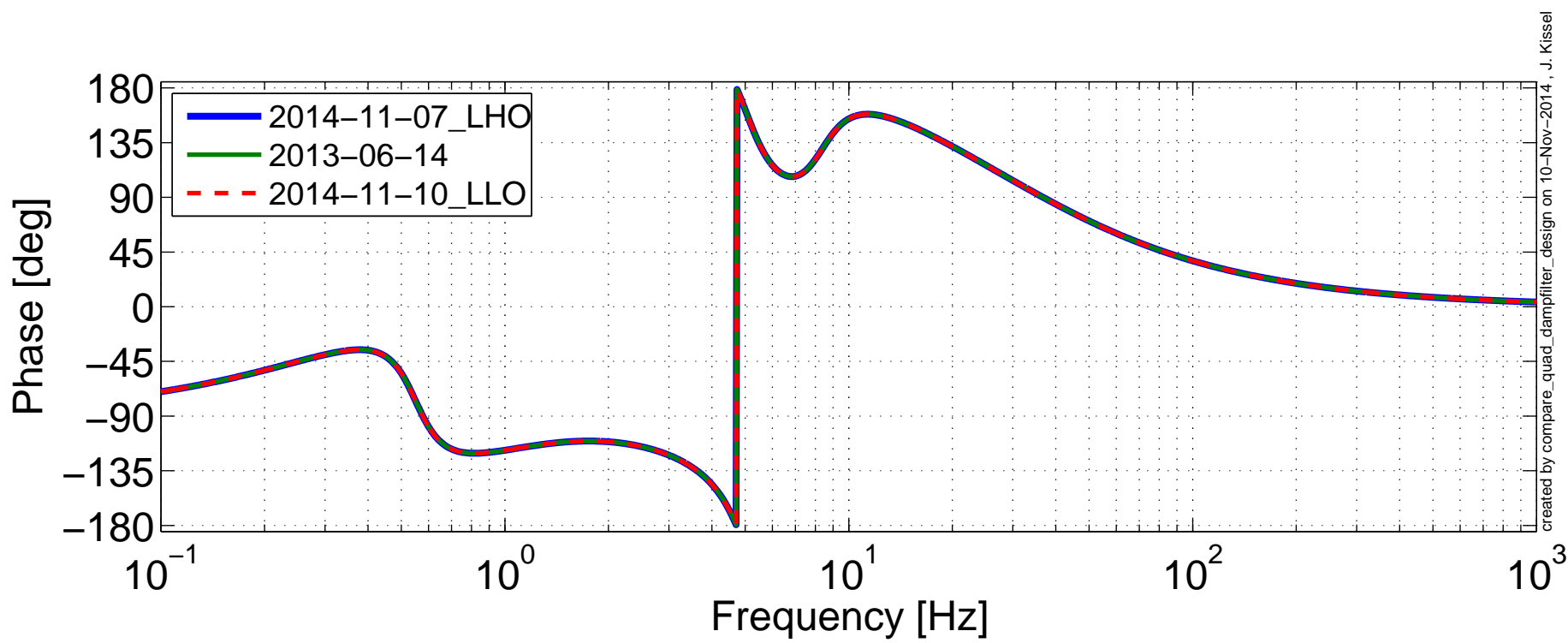
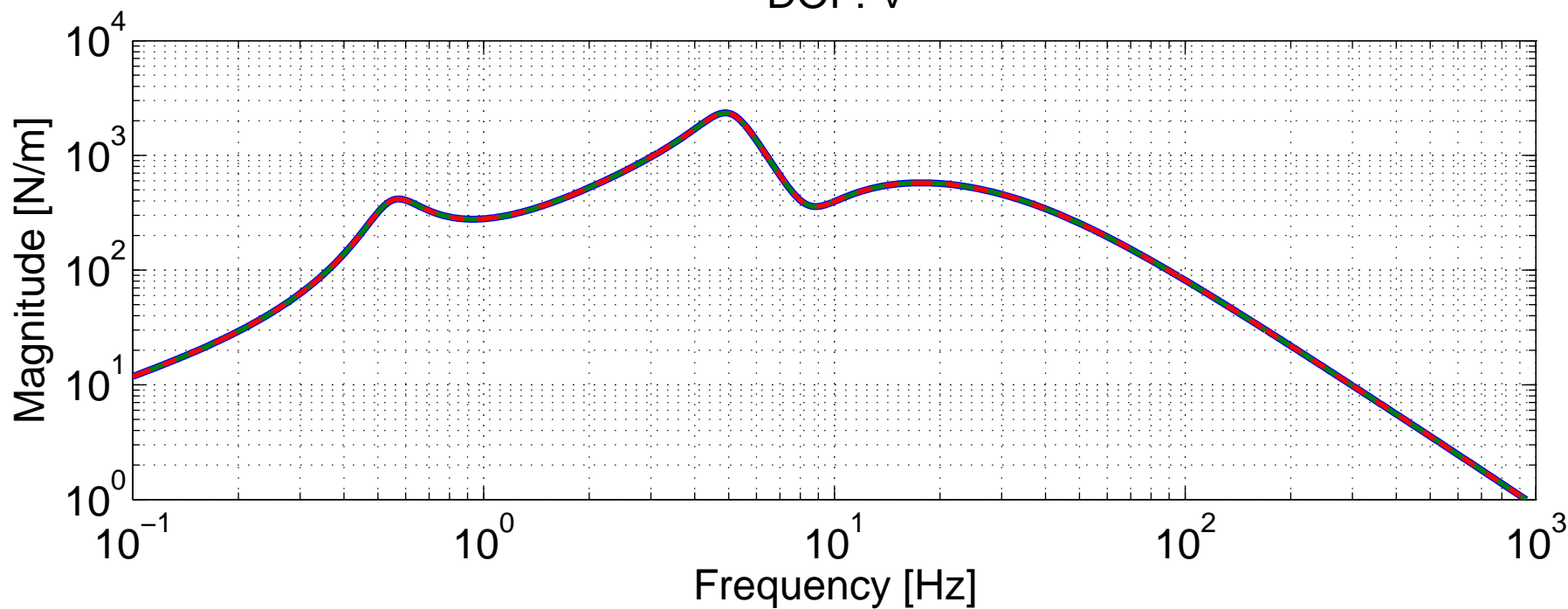
Damping Loop Performance Comparison

QUAD T Test Mass Displacement



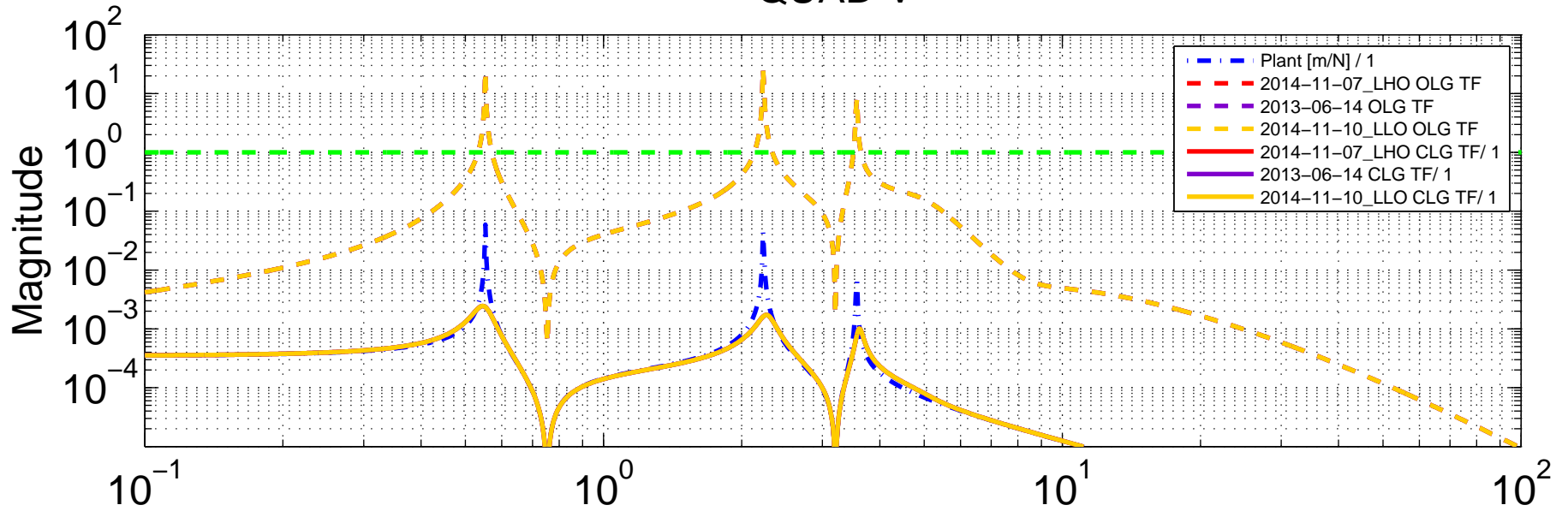
Calibrated Damping Filter Comparison

DOF: V

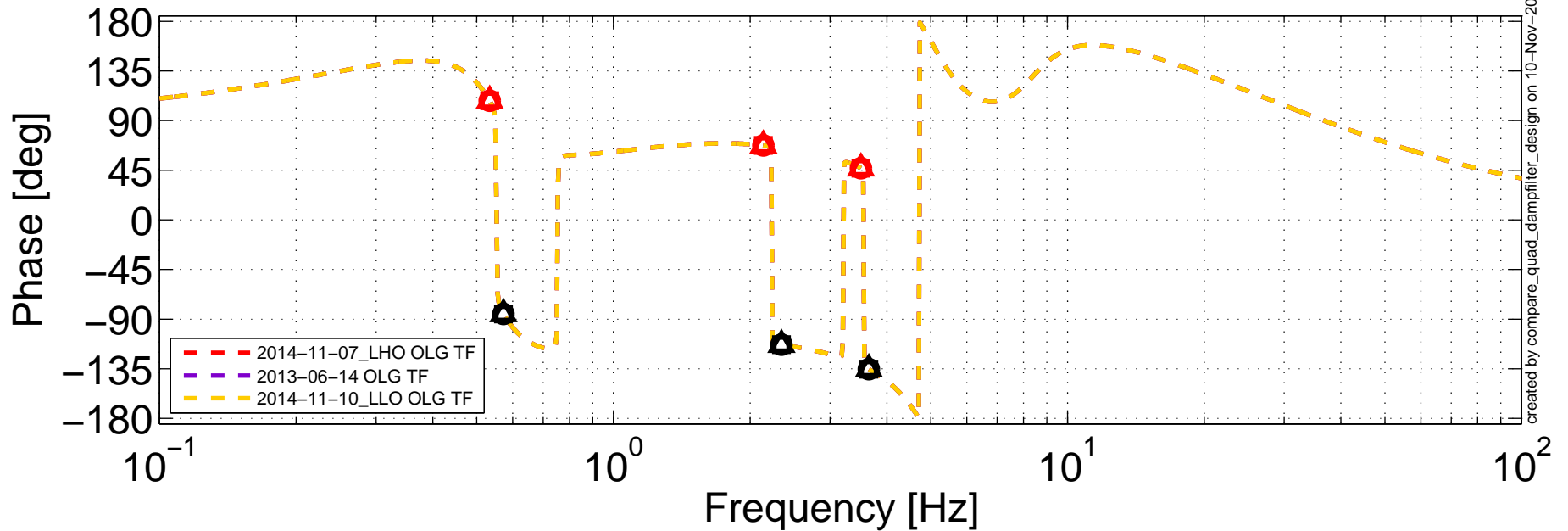


created by compare_quad_dampfilter_design on 10-Nov-2014, J. Kissel

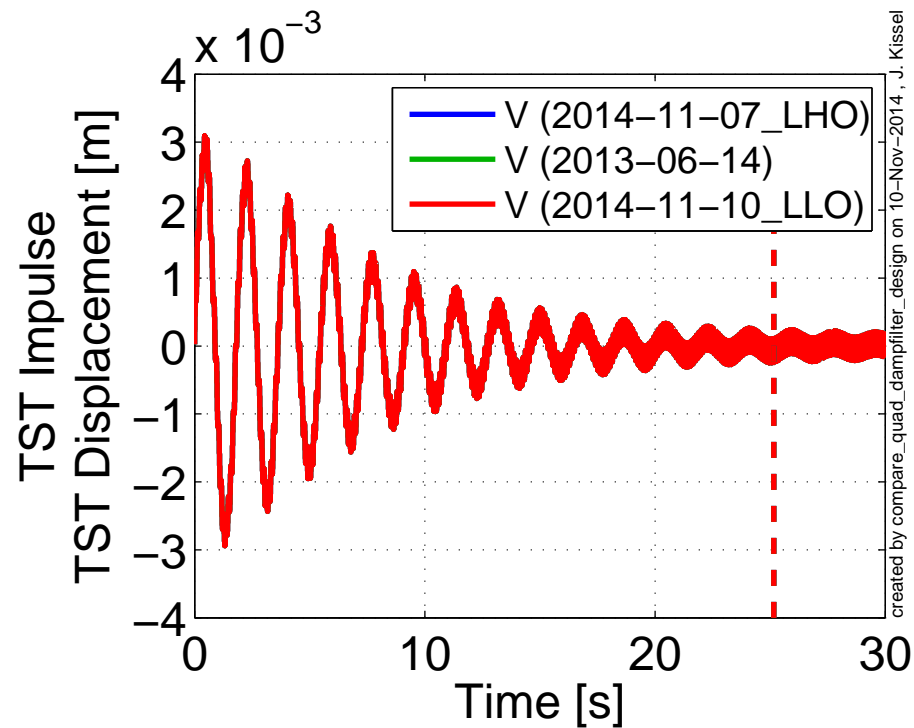
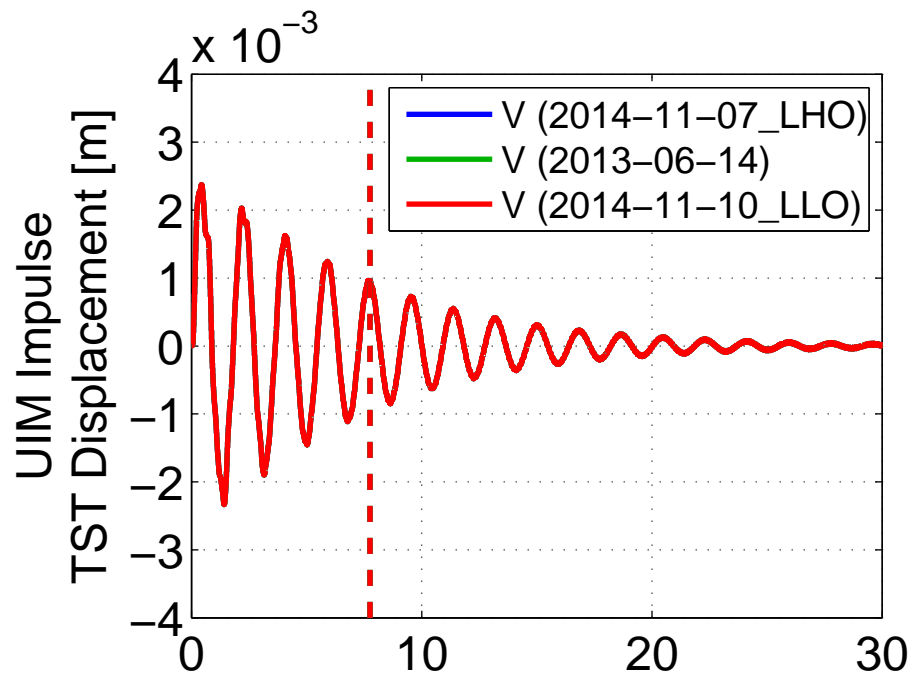
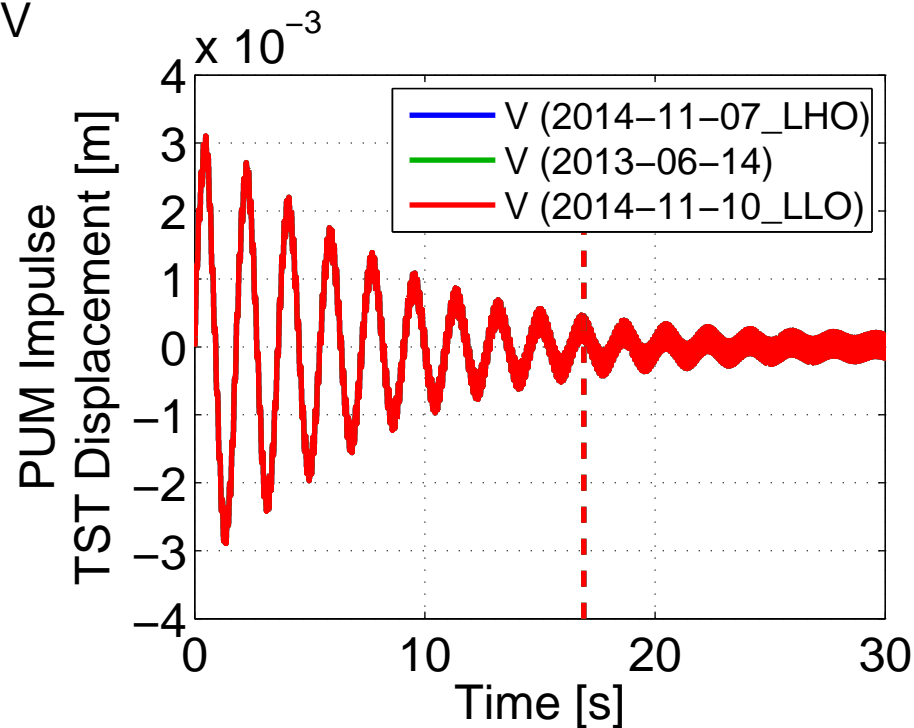
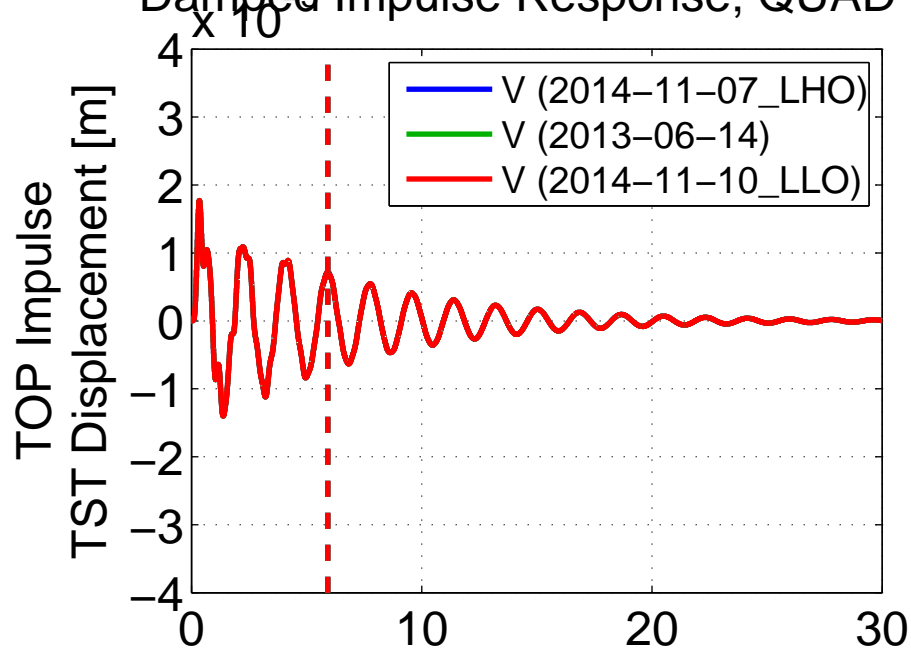
Damping Loop Design Comparison QUAD V



First LUGF [o,^,s] : [LHO, LN, LLO] : [72.1, 72.1, 72.1] [deg]
 Last UUGF [o,^,s] : [LHO, LN, LLO] : [44.6, 44.6, 44.6] [deg]

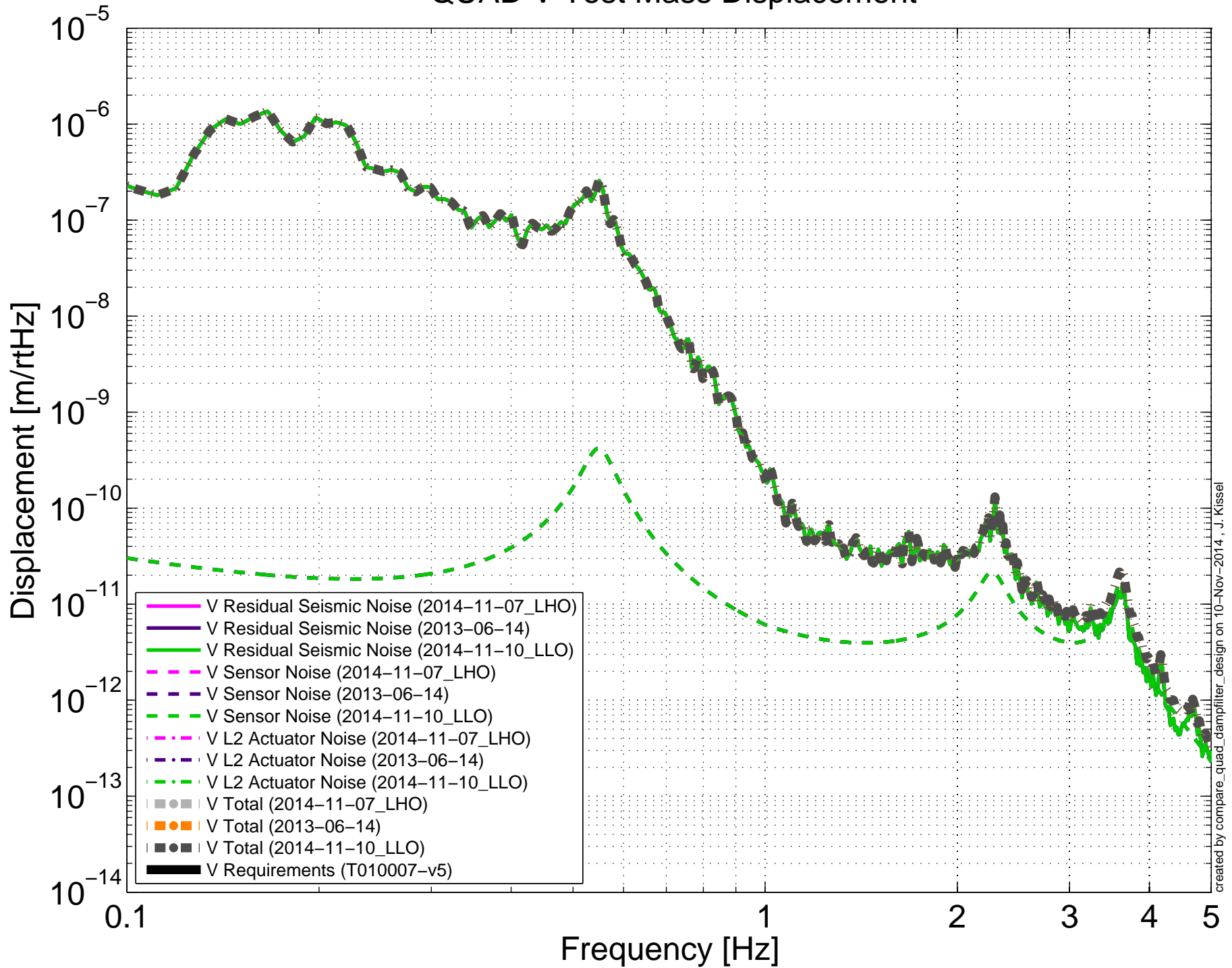


Damped Impulse Response; QUAD V



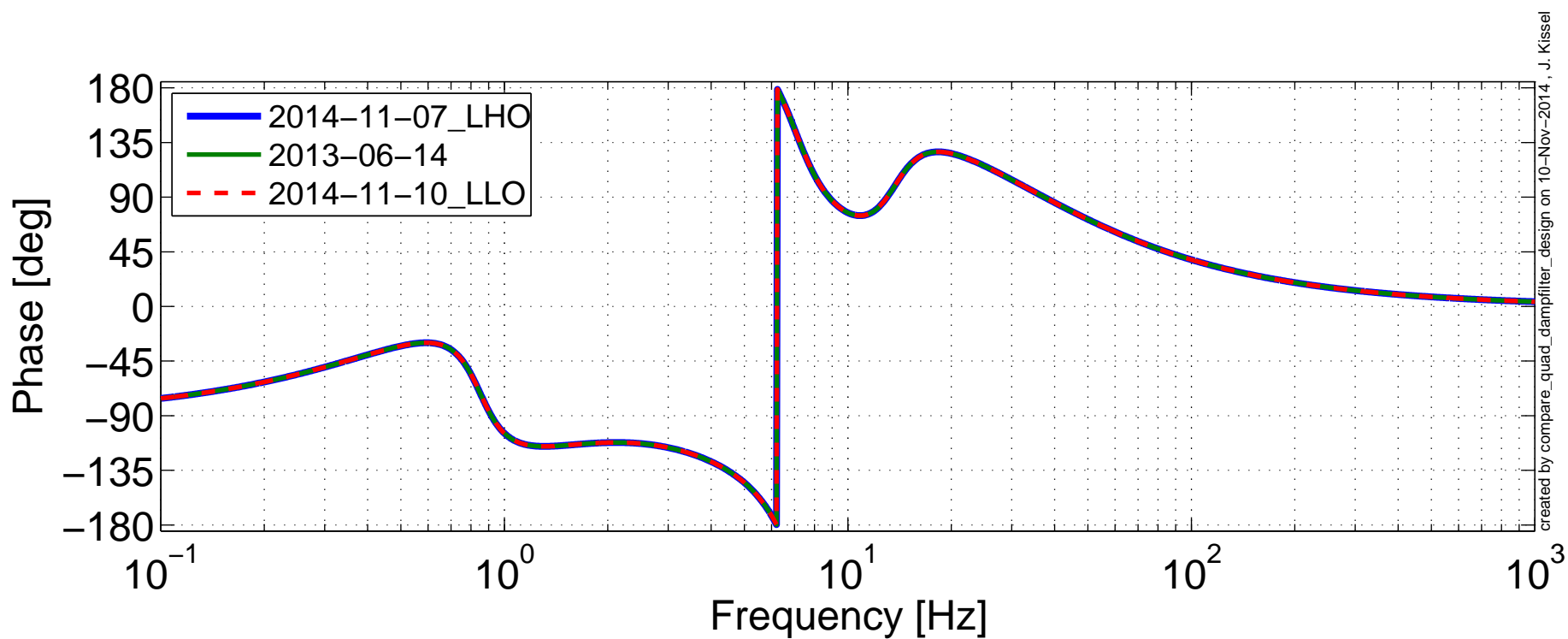
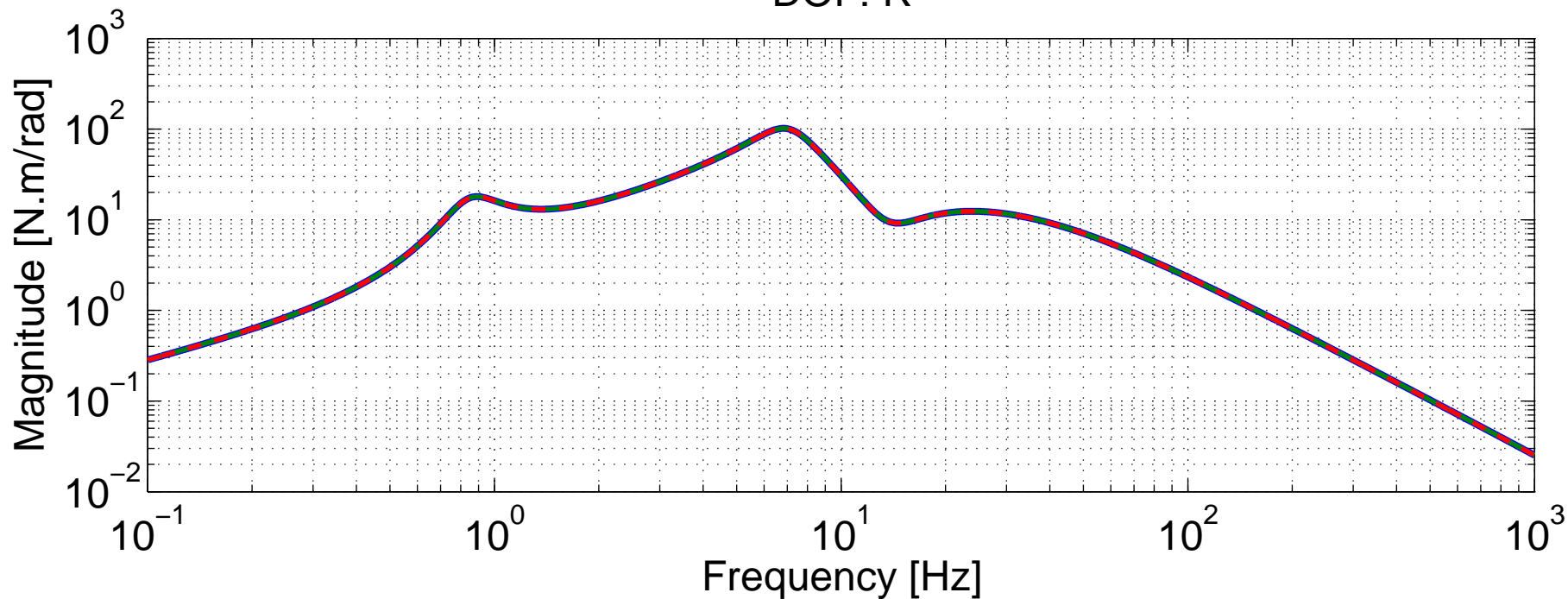
Damping Loop Performance Comparison

QUAD V Test Mass Displacement

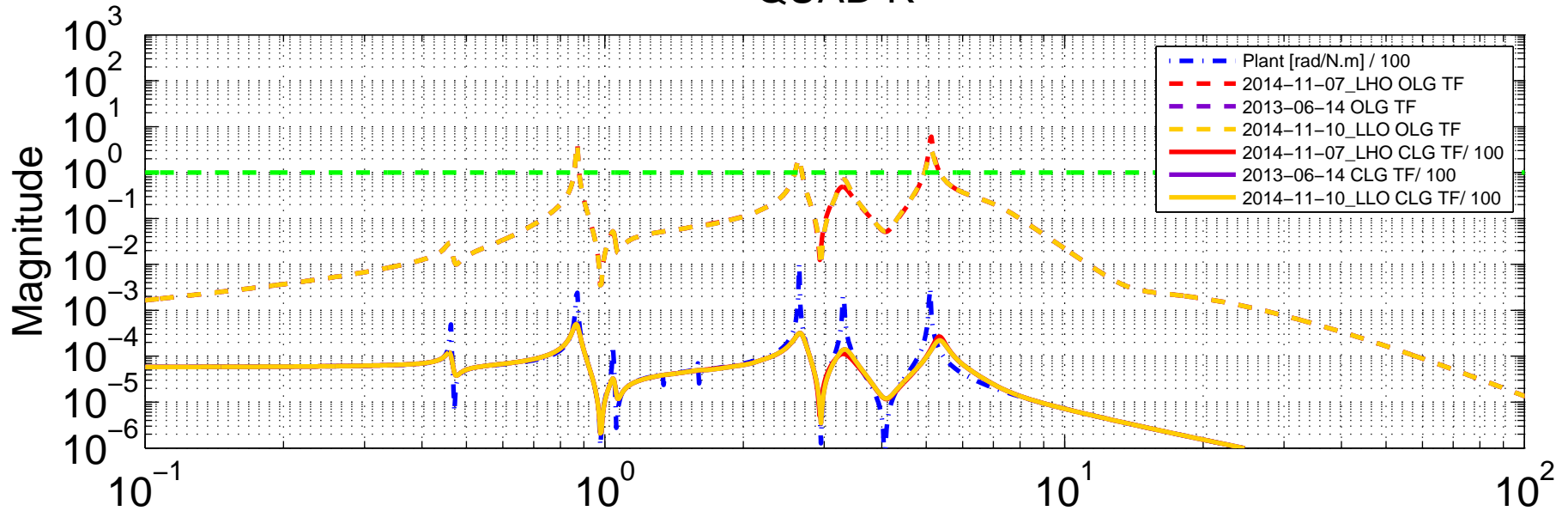


Calibrated Damping Filter Comparison

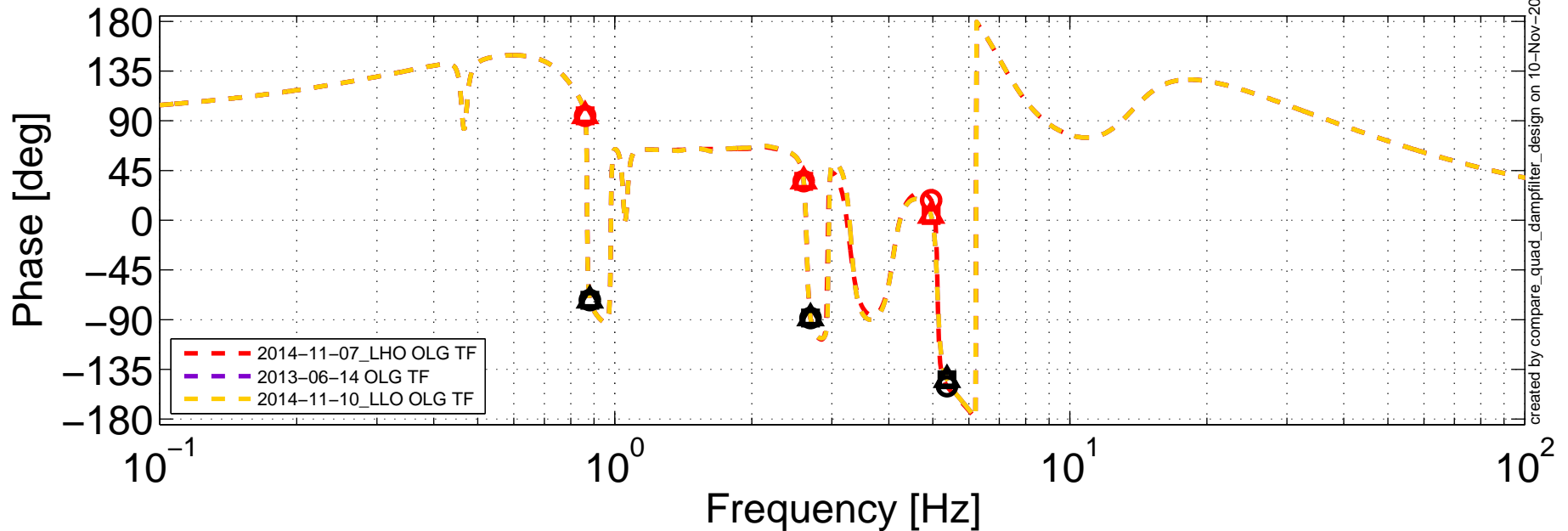
DOF: R



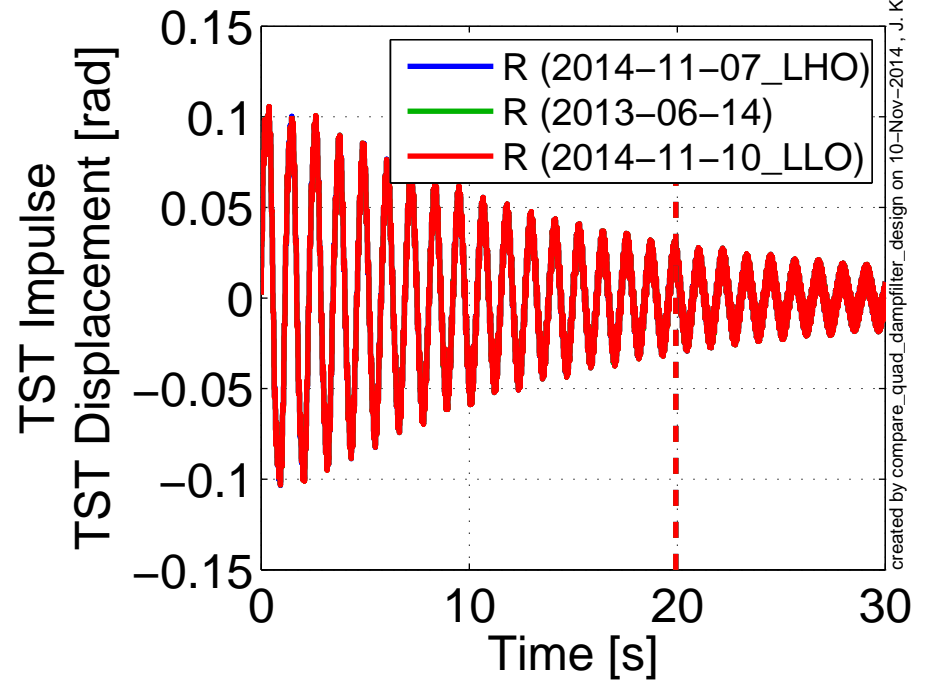
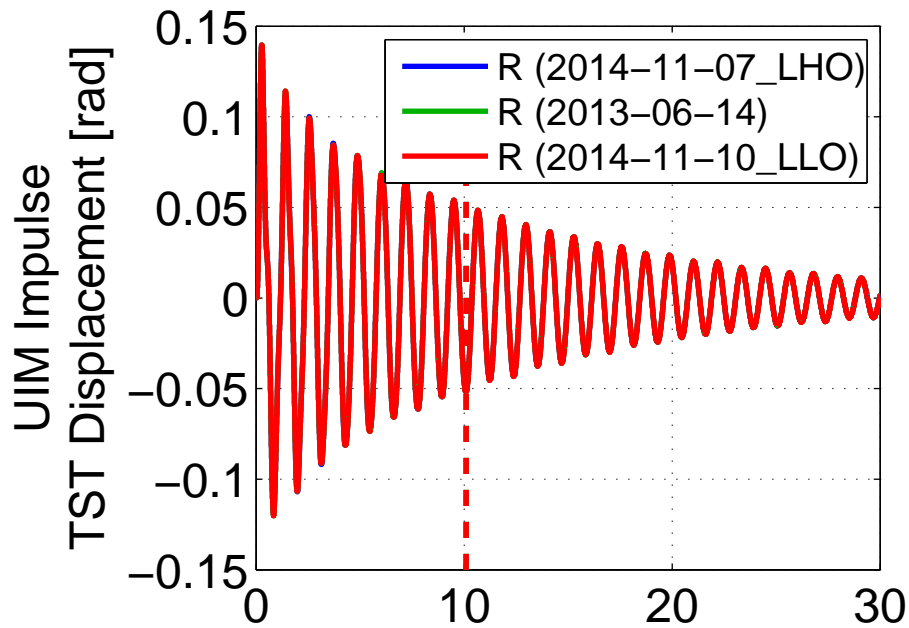
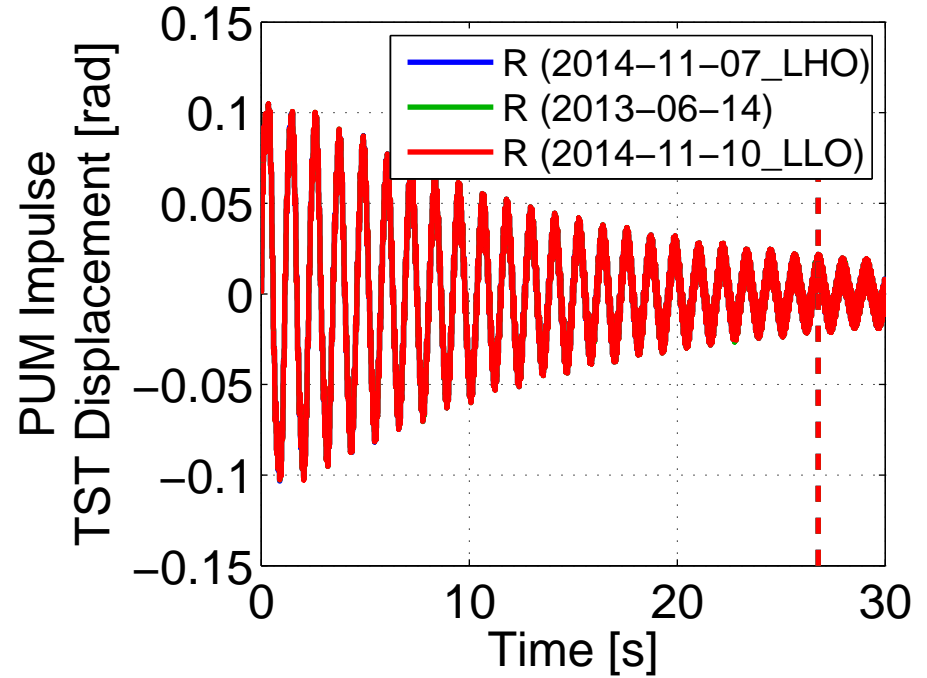
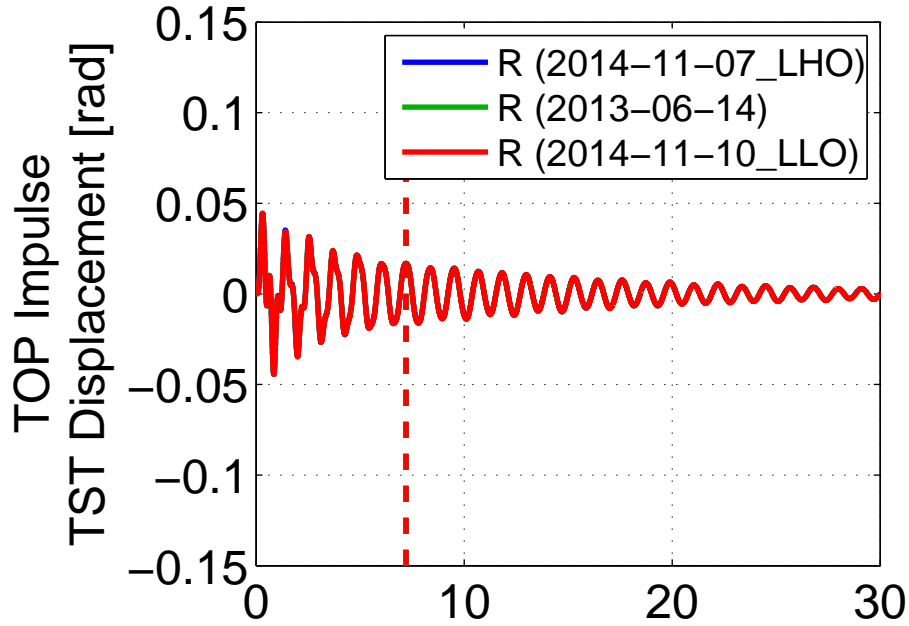
Damping Loop Design Comparison QUAD R



First LUGF $[\omega, \zeta]$: [LHO, LN, LLO] : [85.5, 85.5, 85.5] [deg]
 Last UUGF $[\omega, \zeta]$: [LHO, LN, LLO] : [29.8, 35.7, 35.6] [deg]

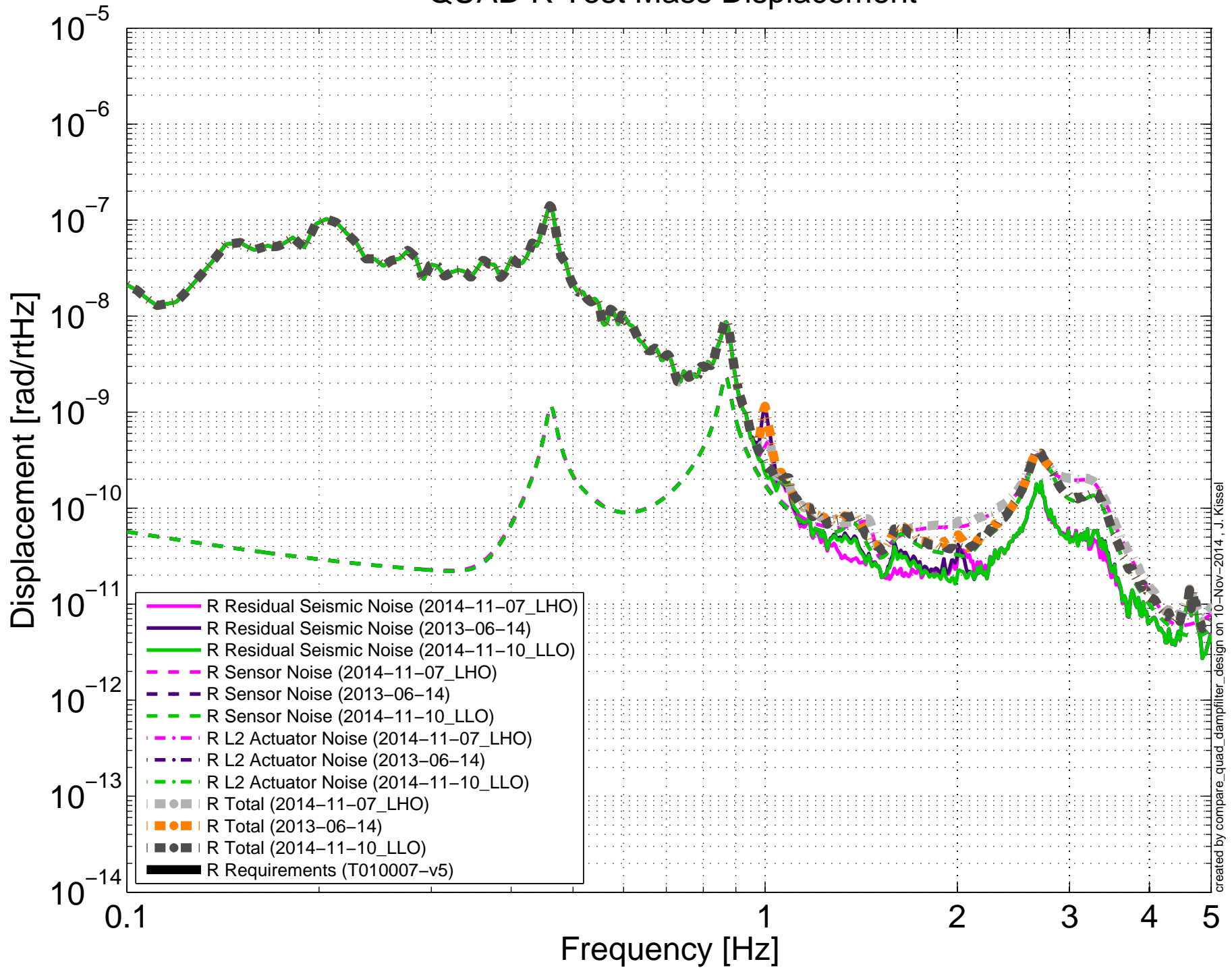


Damped Impulse Response; QUAD R



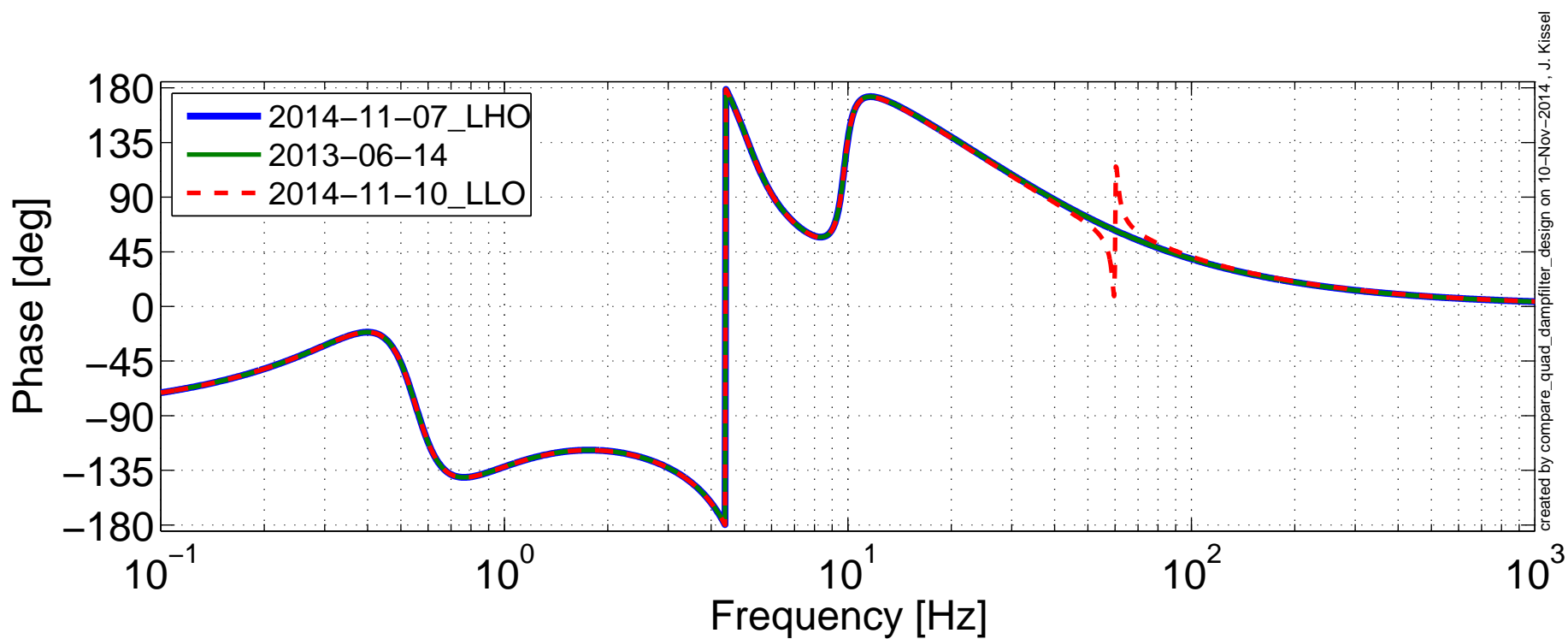
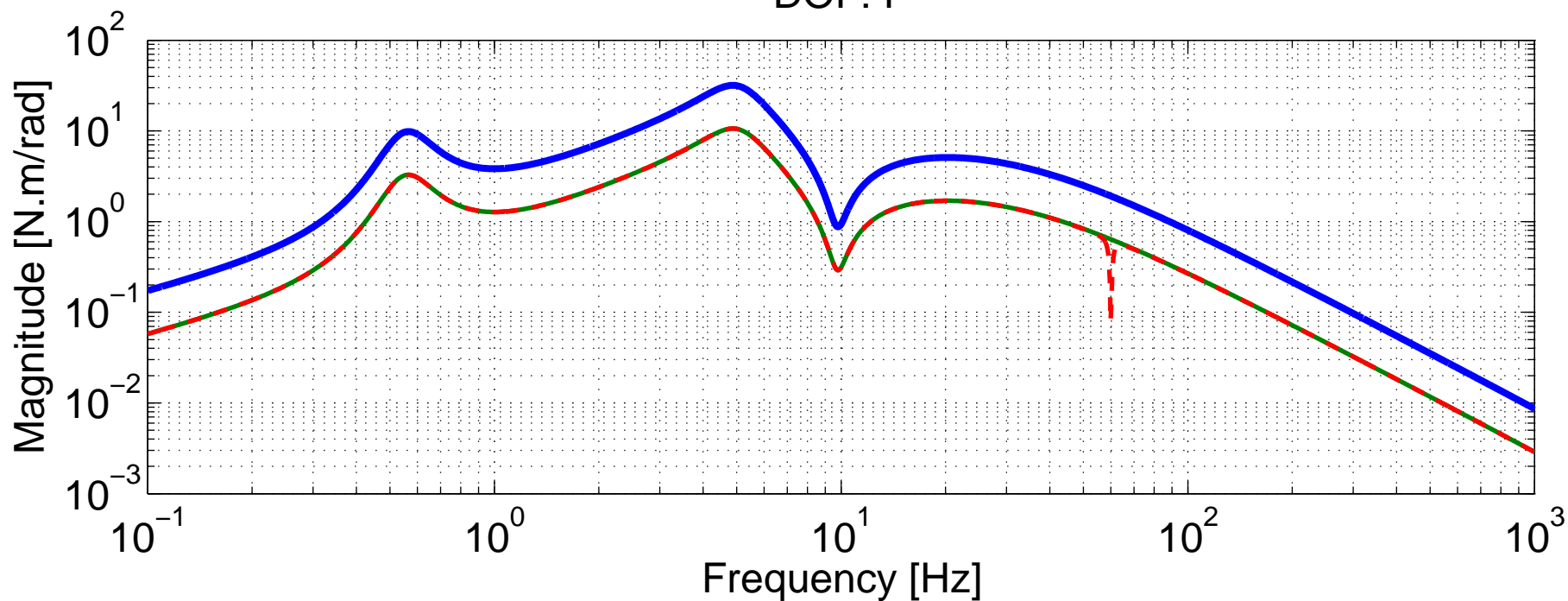
Damping Loop Performance Comparison

QUAD R Test Mass Displacement

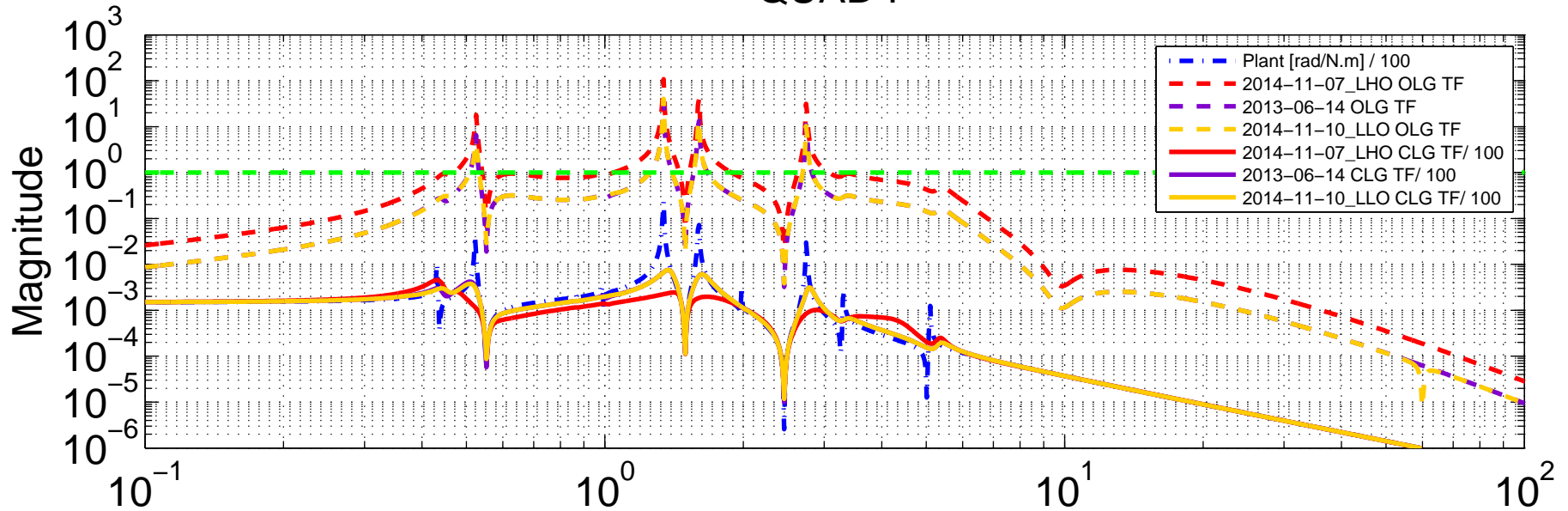


Calibrated Damping Filter Comparison

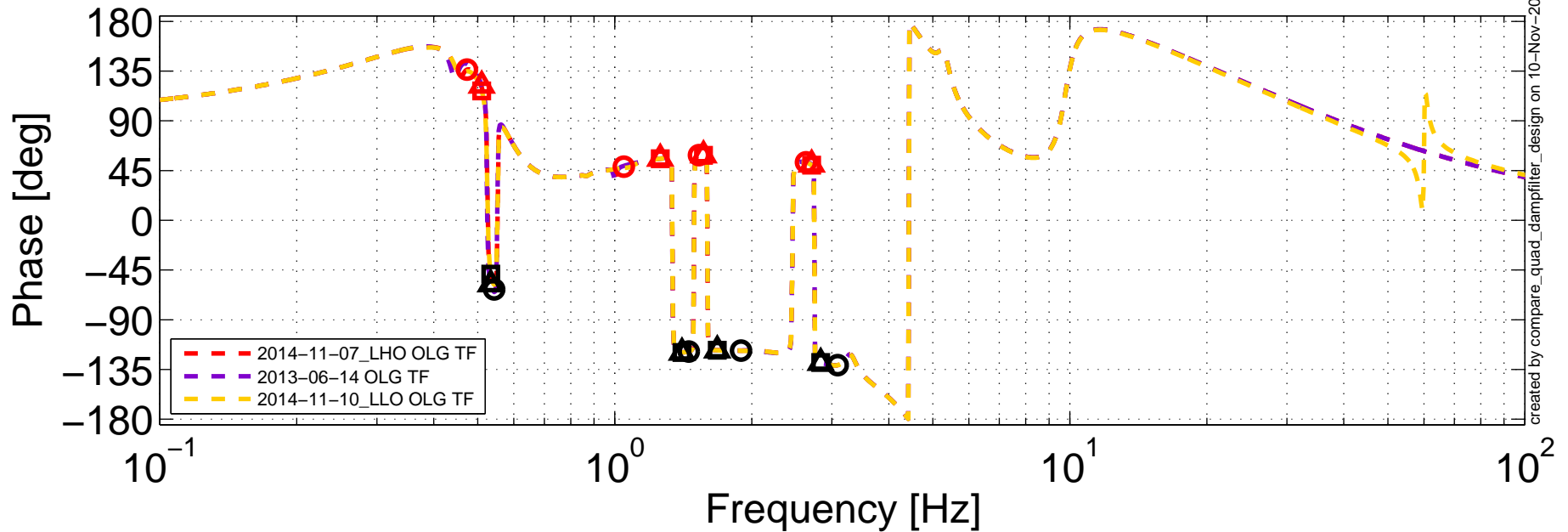
DOF: P



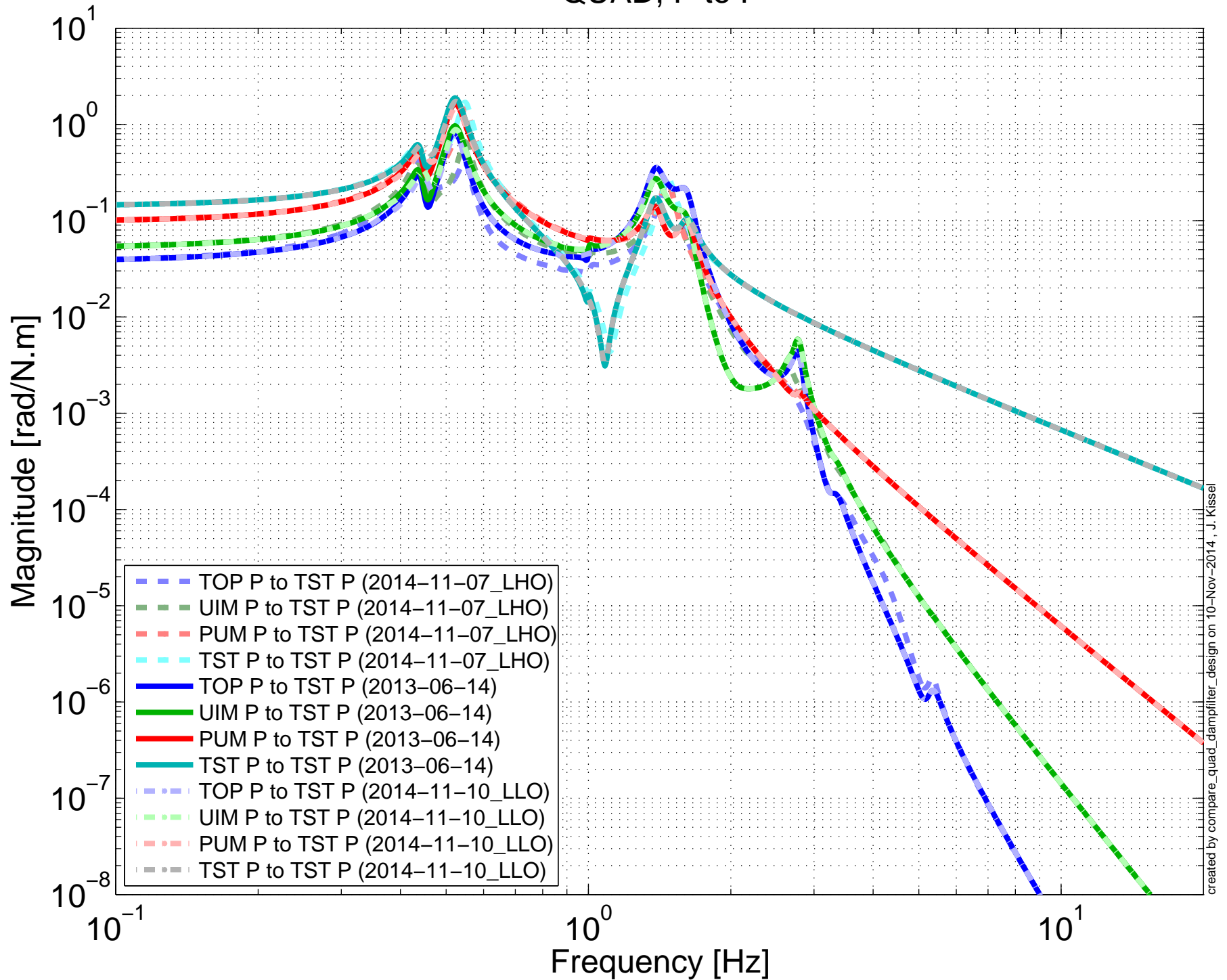
Damping Loop Design Comparison QUAD P



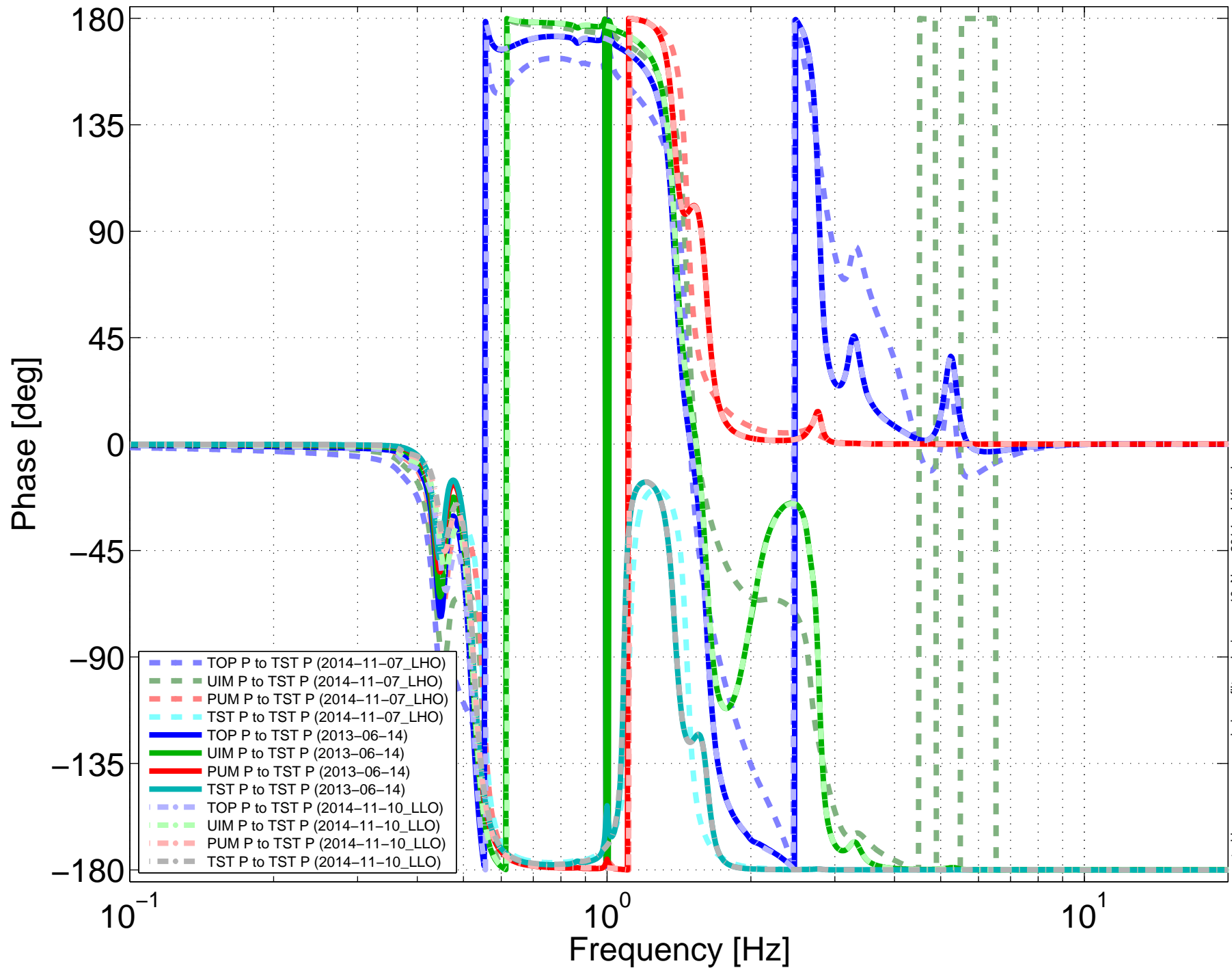
First LUGF [o,^,s] : [LHO, LN, LLO] : [43.6, 57.9, 62.9] [deg]
 Last UUGF [o,^,s] : [LHO, LN, LLO] : [49, 51.2, 51.2] [deg]



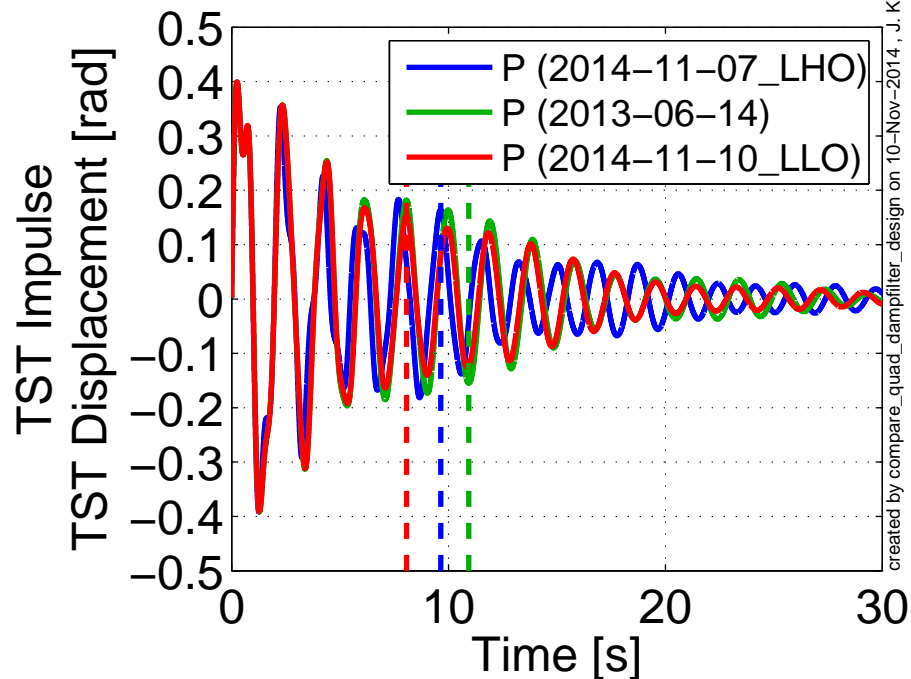
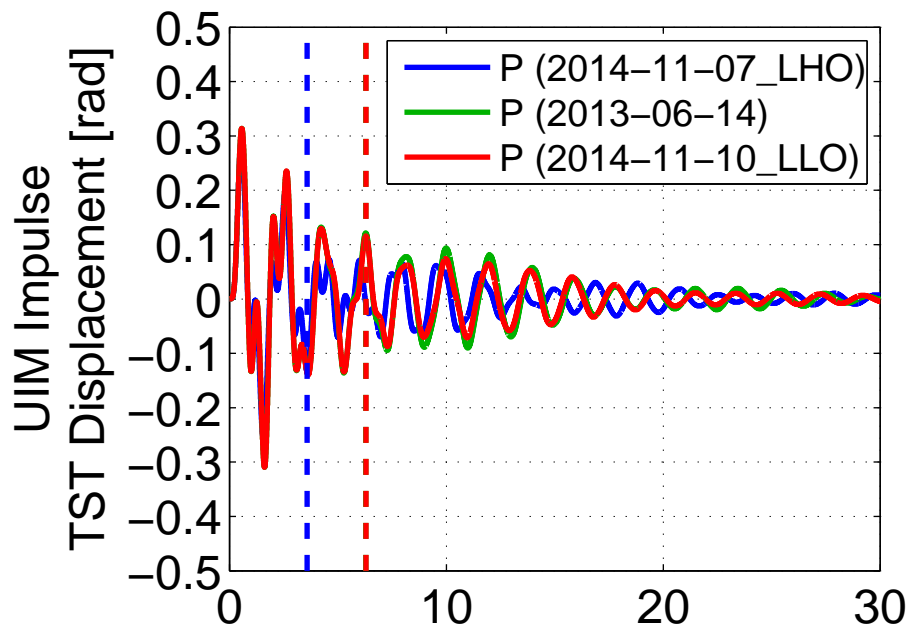
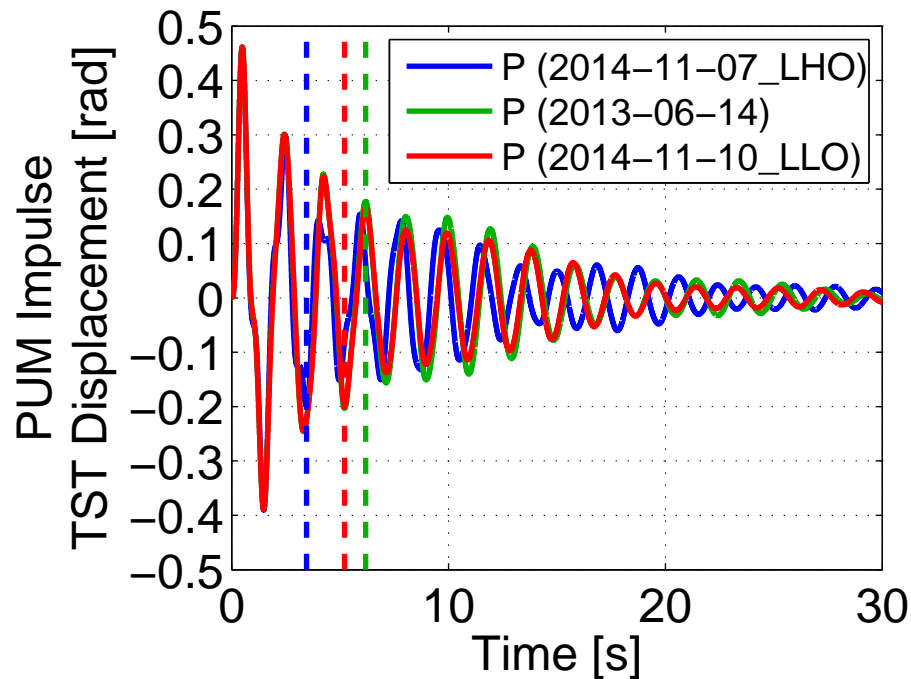
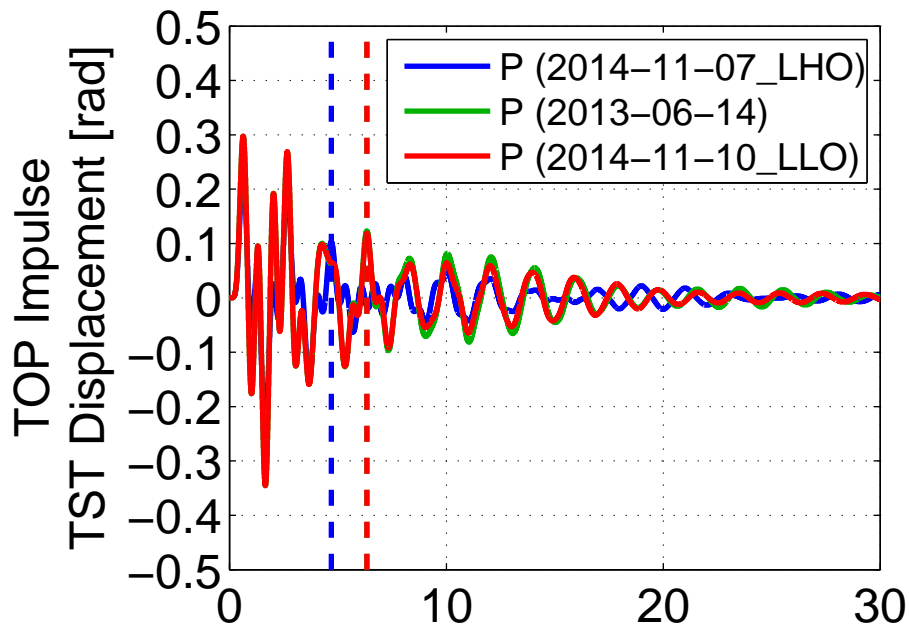
Global Control Transfer Functions to Optic QUAD, P to P



Global Control Transfer Functions to Optic QUAD, P to P

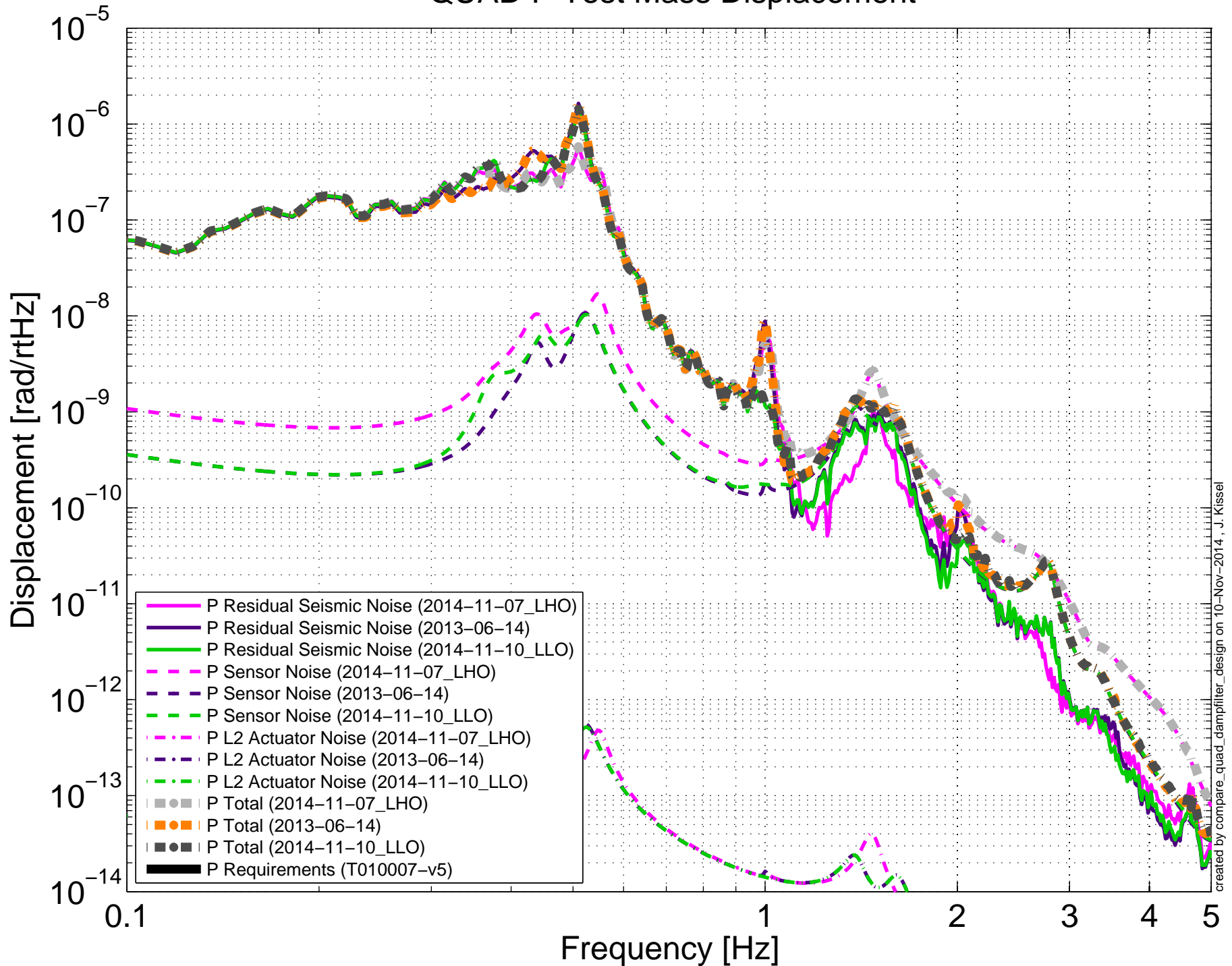


Damped Impulse Response; QUAD P



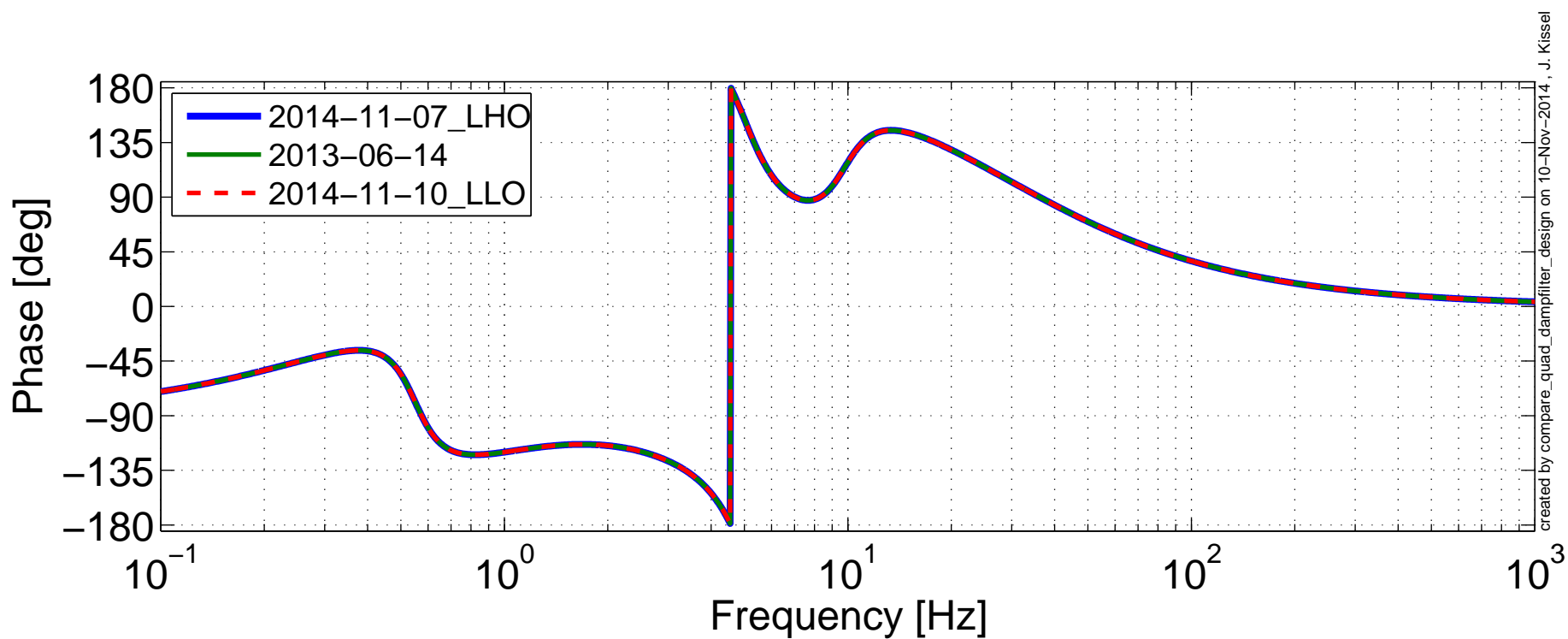
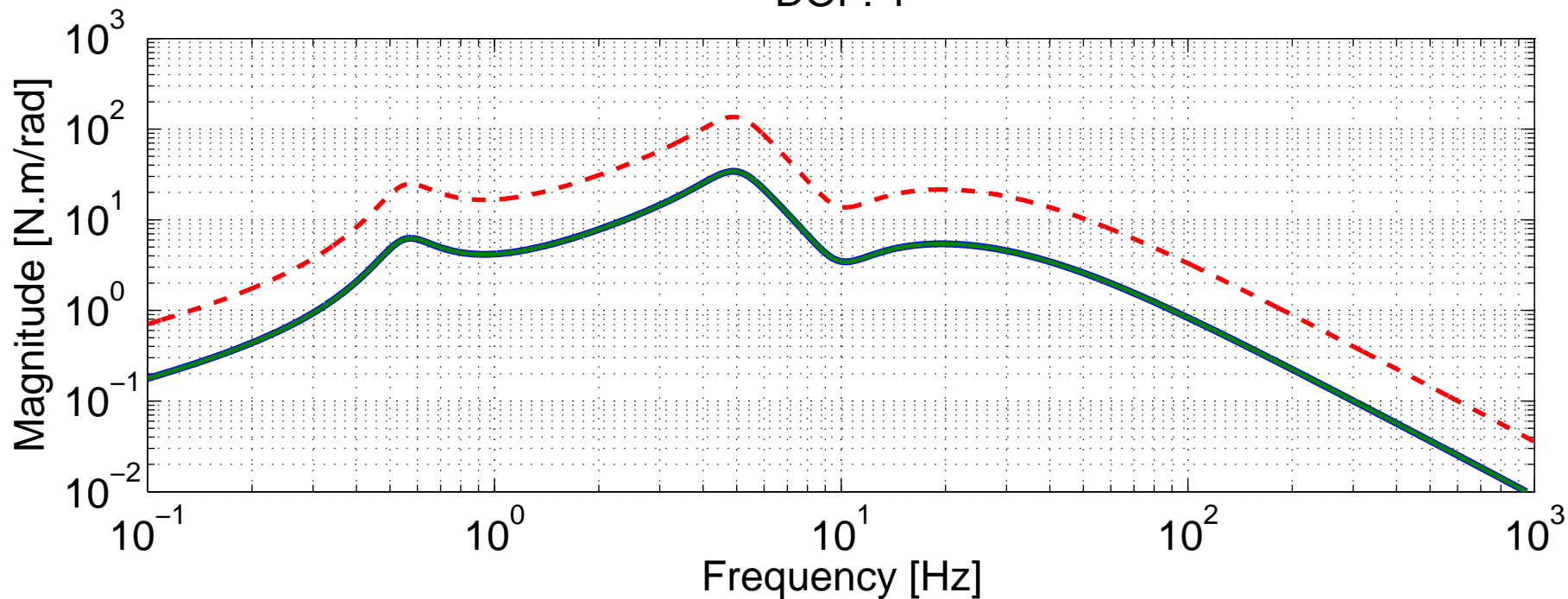
Damping Loop Performance Comparison

QUAD P Test Mass Displacement

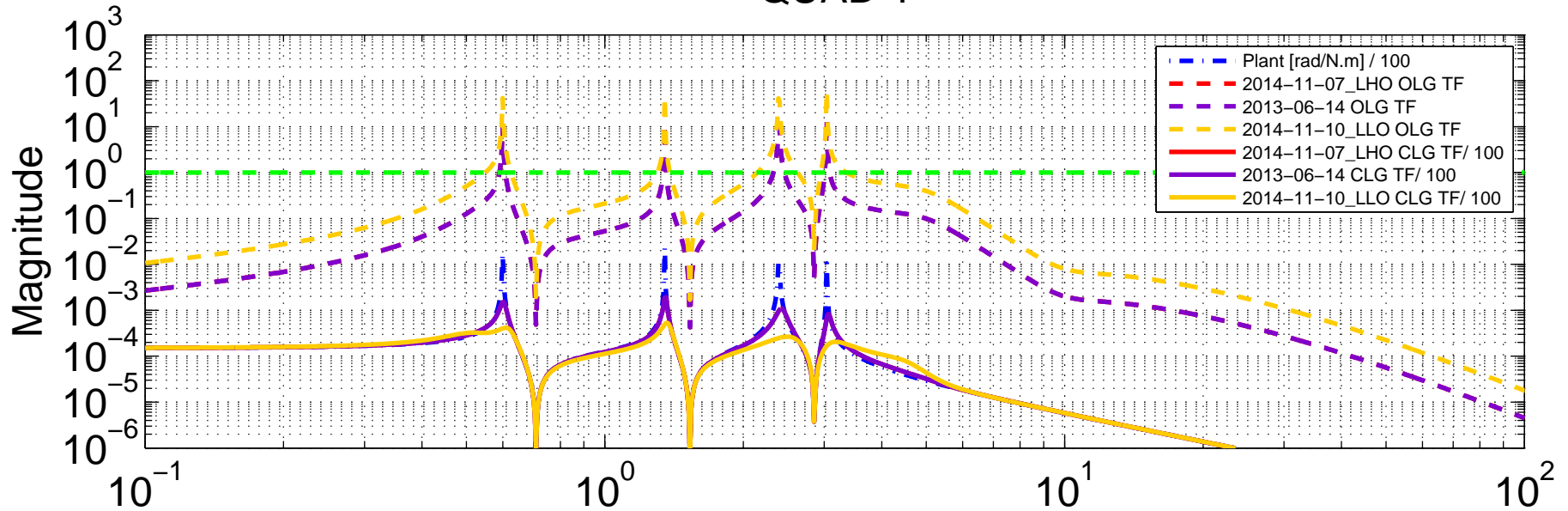


Calibrated Damping Filter Comparison

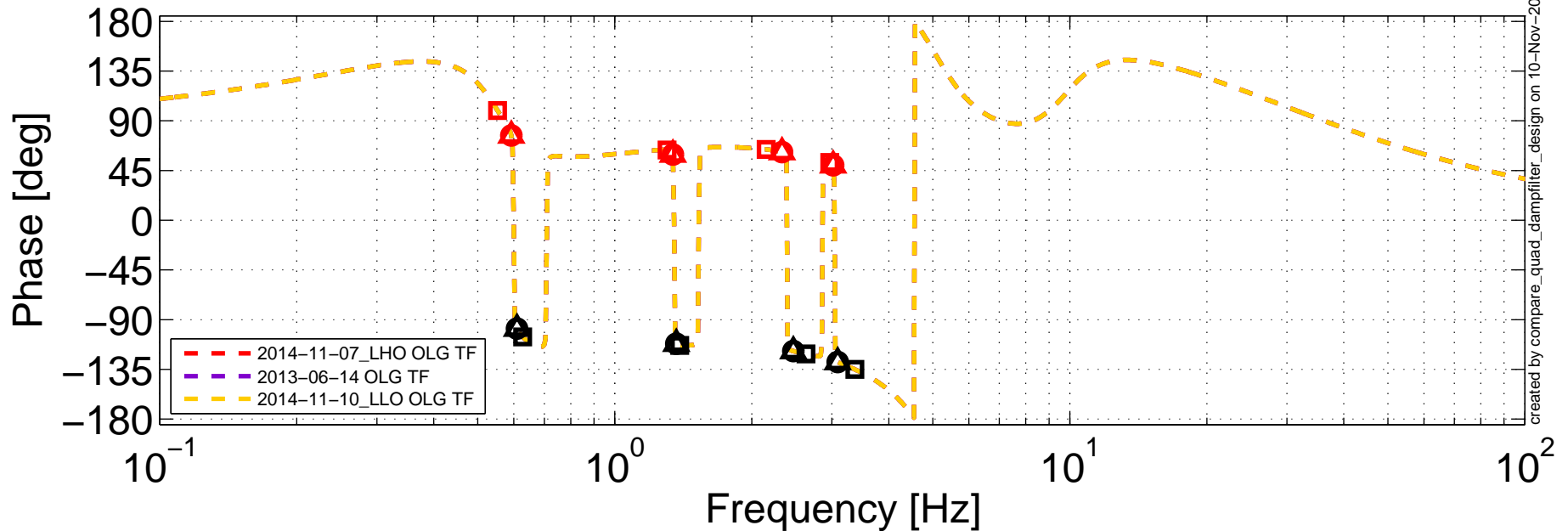
DOF: Y



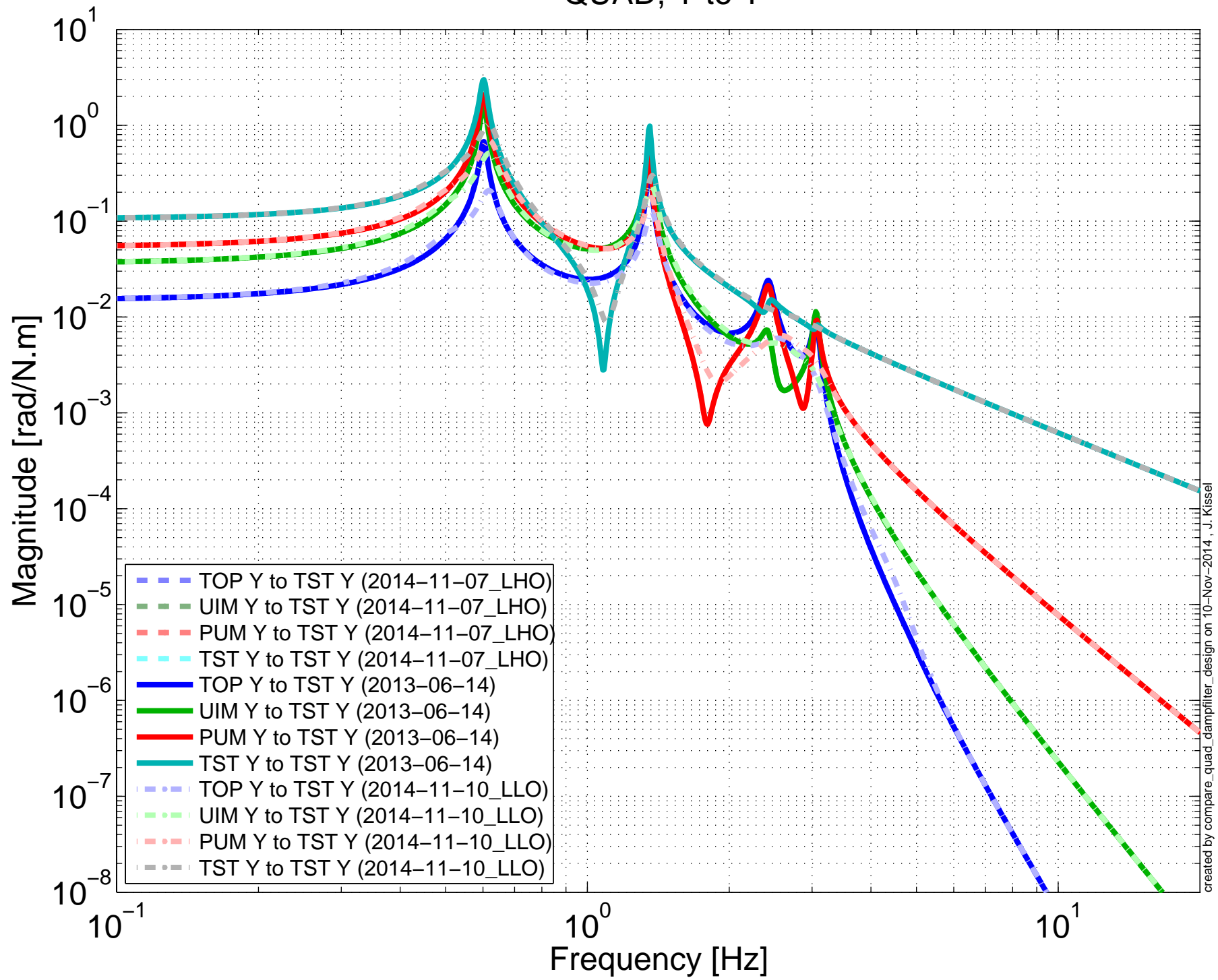
Damping Loop Design Comparison QUAD Y



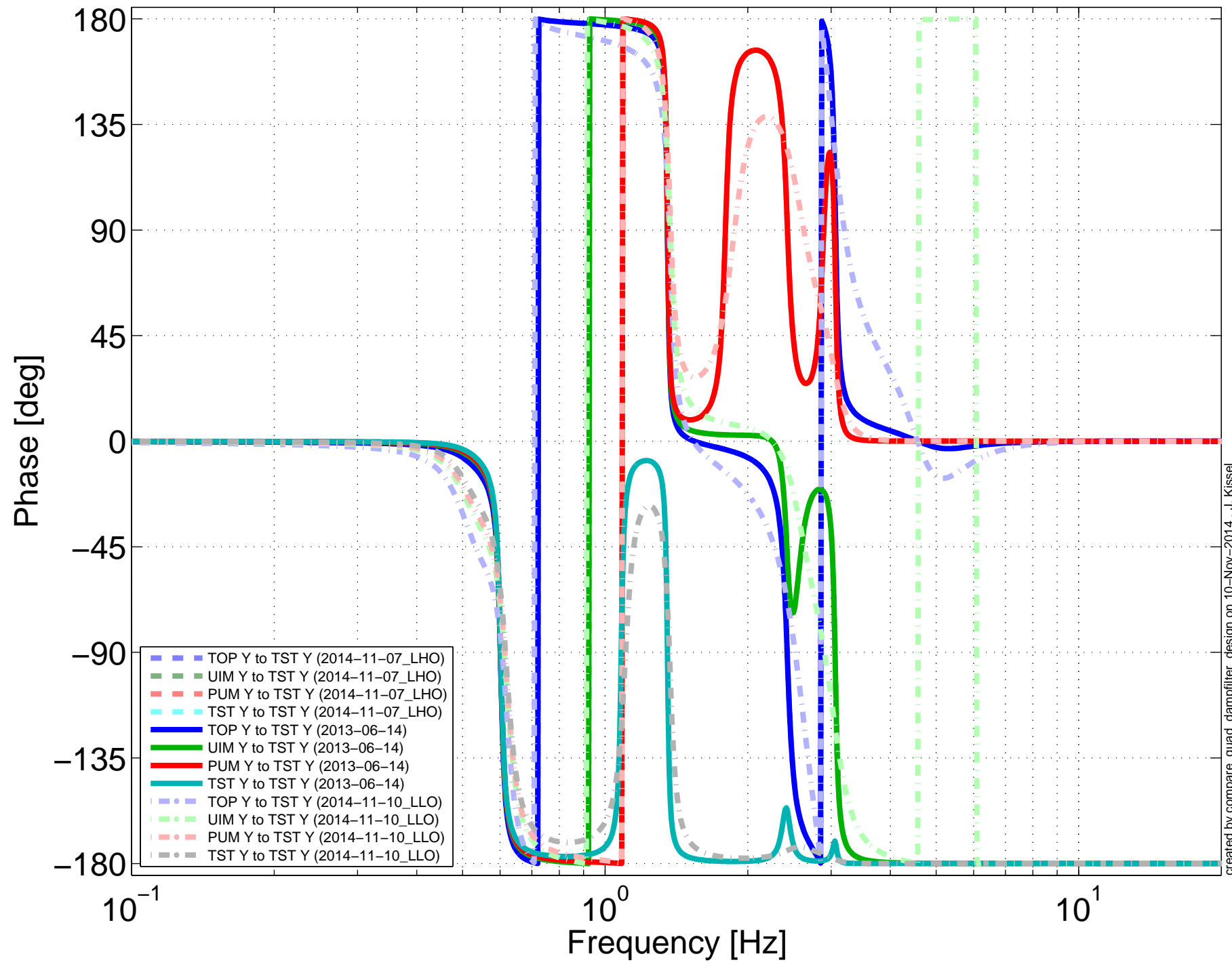
First LUGF [o,^,s] : [LHO, LN, LLO] : [103, 103, 80.7] [deg]
 Last UUGF [o,^,s] : [LHO, LN, LLO] : [51.7, 51.7, 45] [deg]



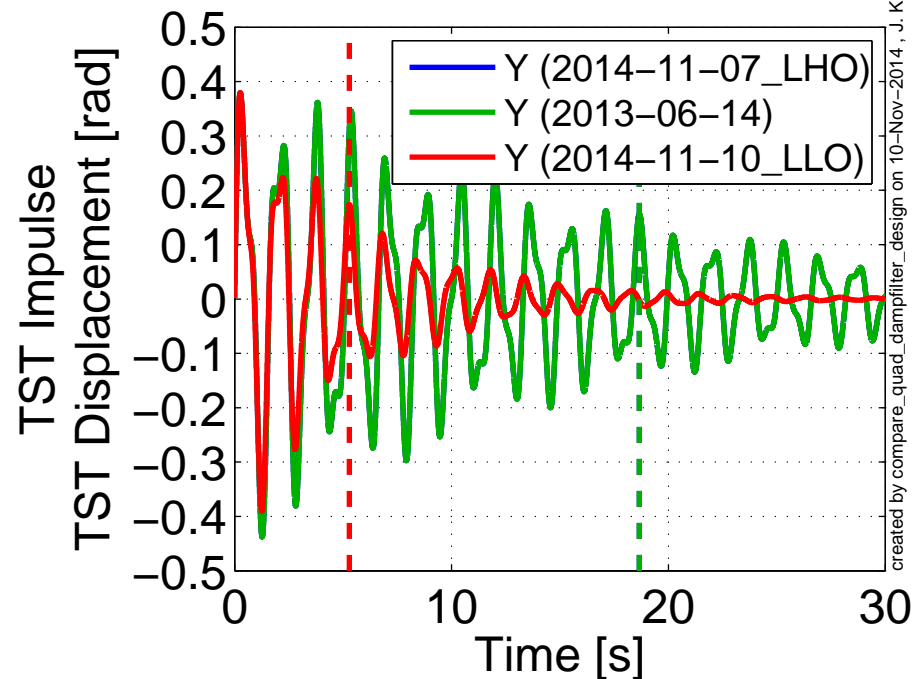
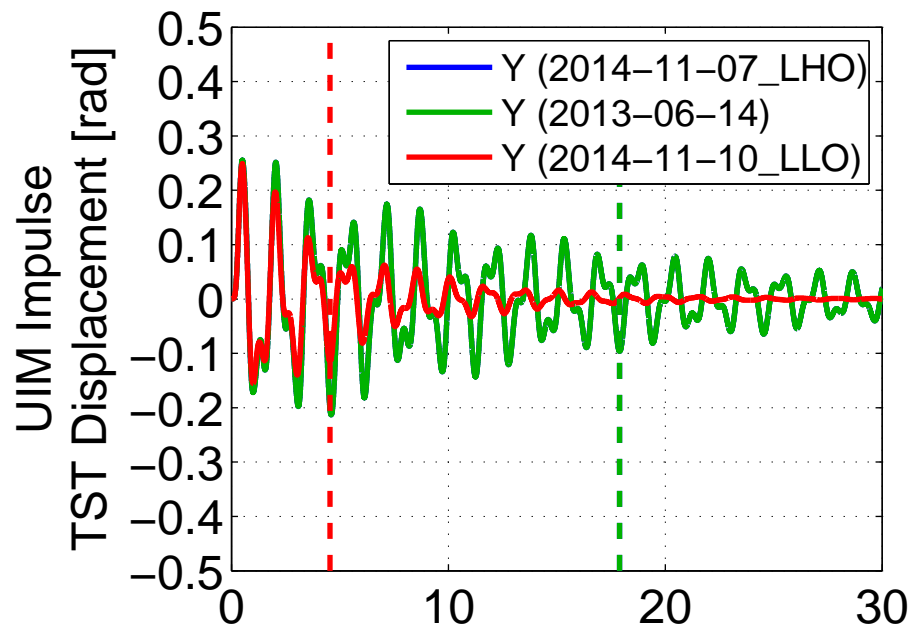
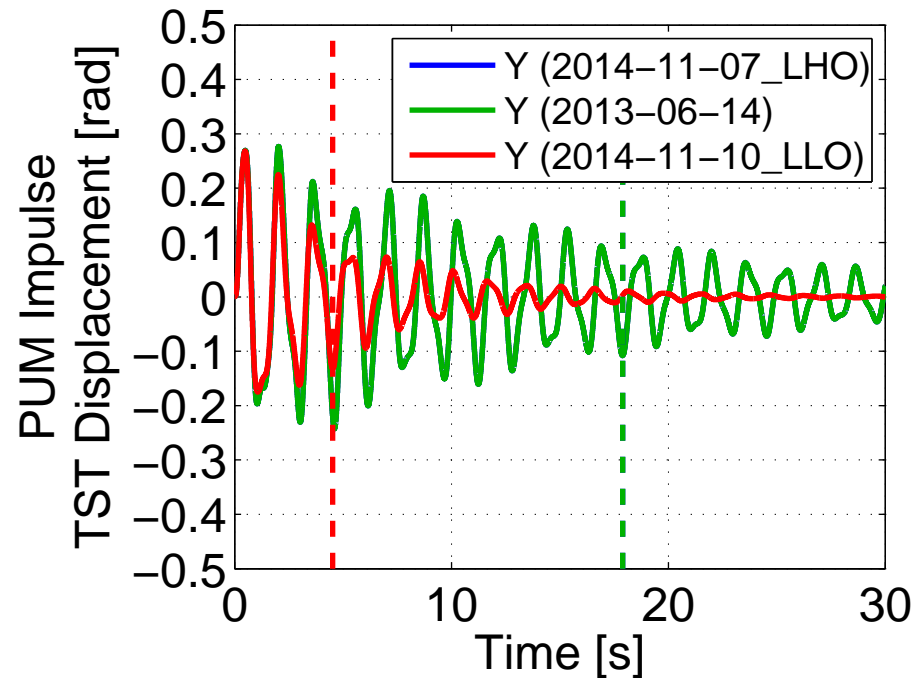
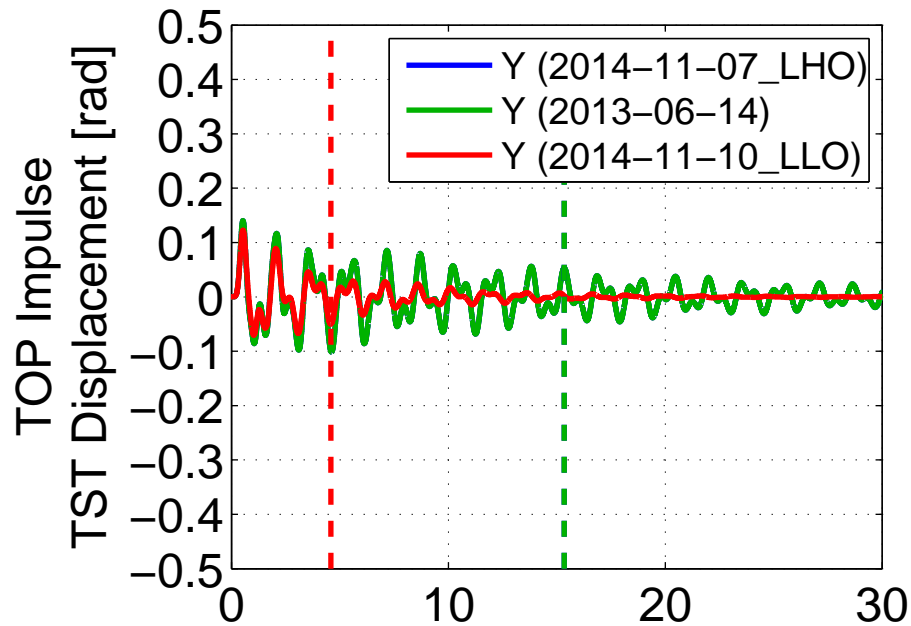
Global Control Transfer Functions to Optic QUAD, Y to Y



Global Control Transfer Functions to Optic QUAD, Y to Y

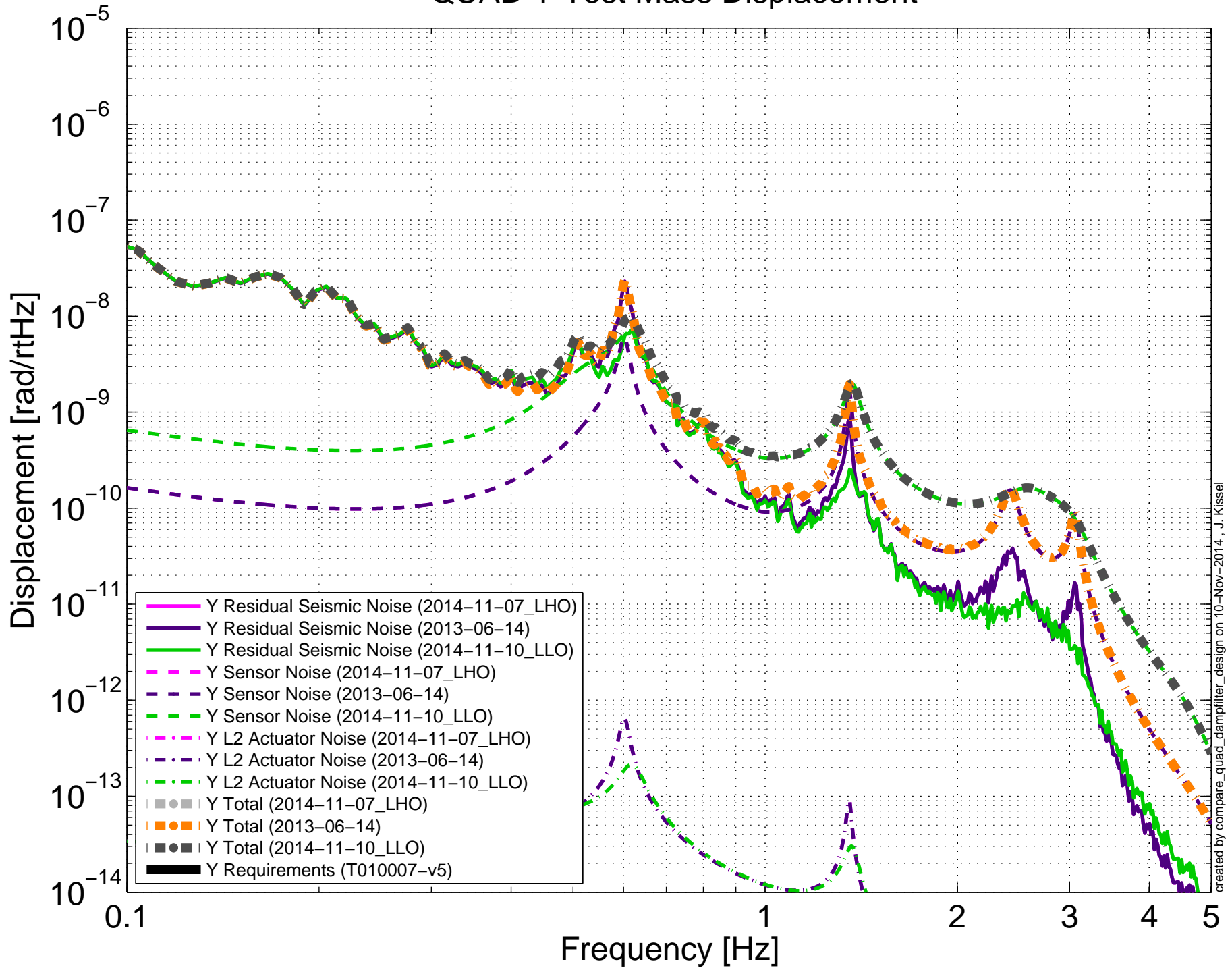


Damped Impulse Response; QUAD Y



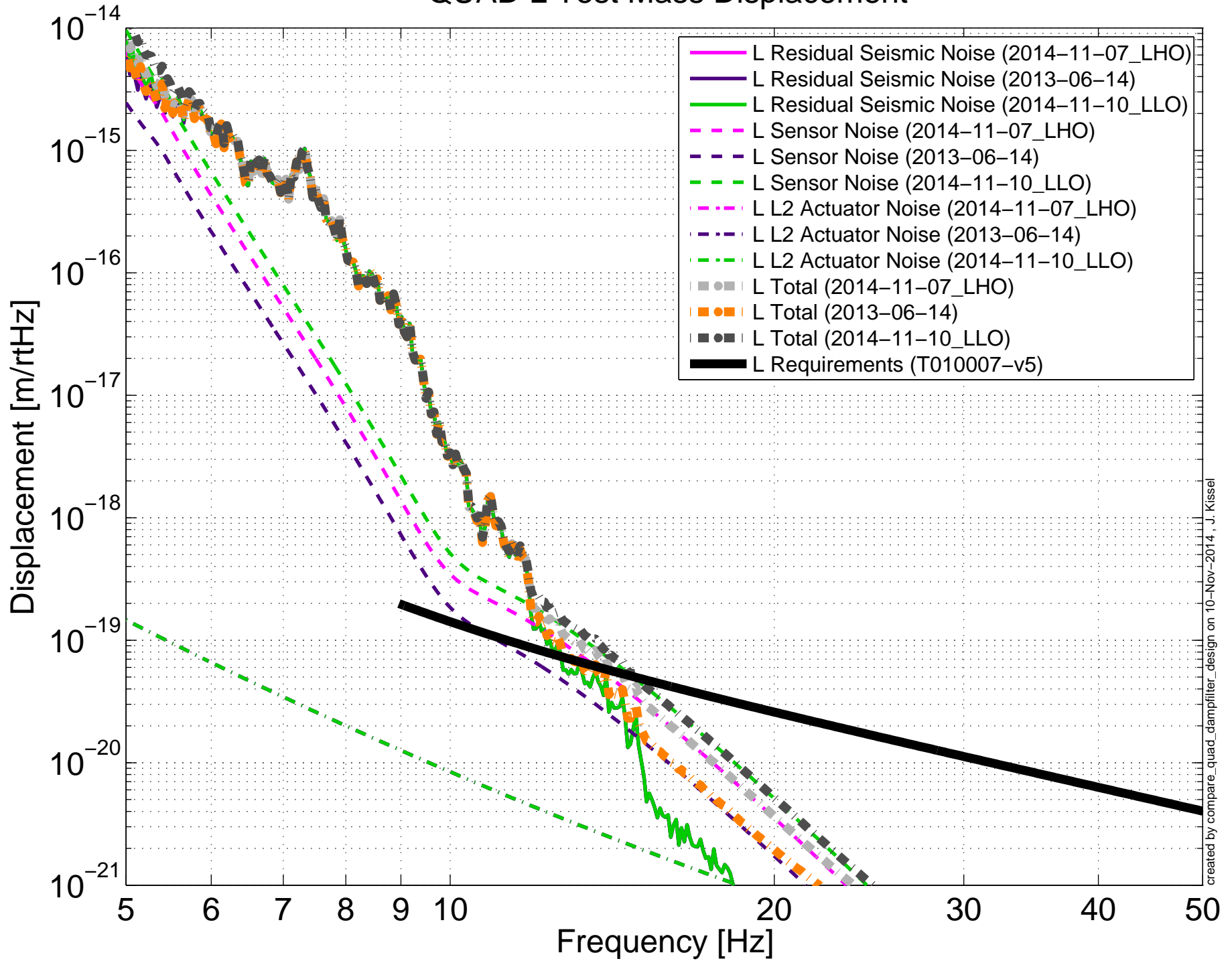
Damping Loop Performance Comparison

QUAD Y Test Mass Displacement



Damping Loop Performance Comparison

QUAD L Test Mass Displacement



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