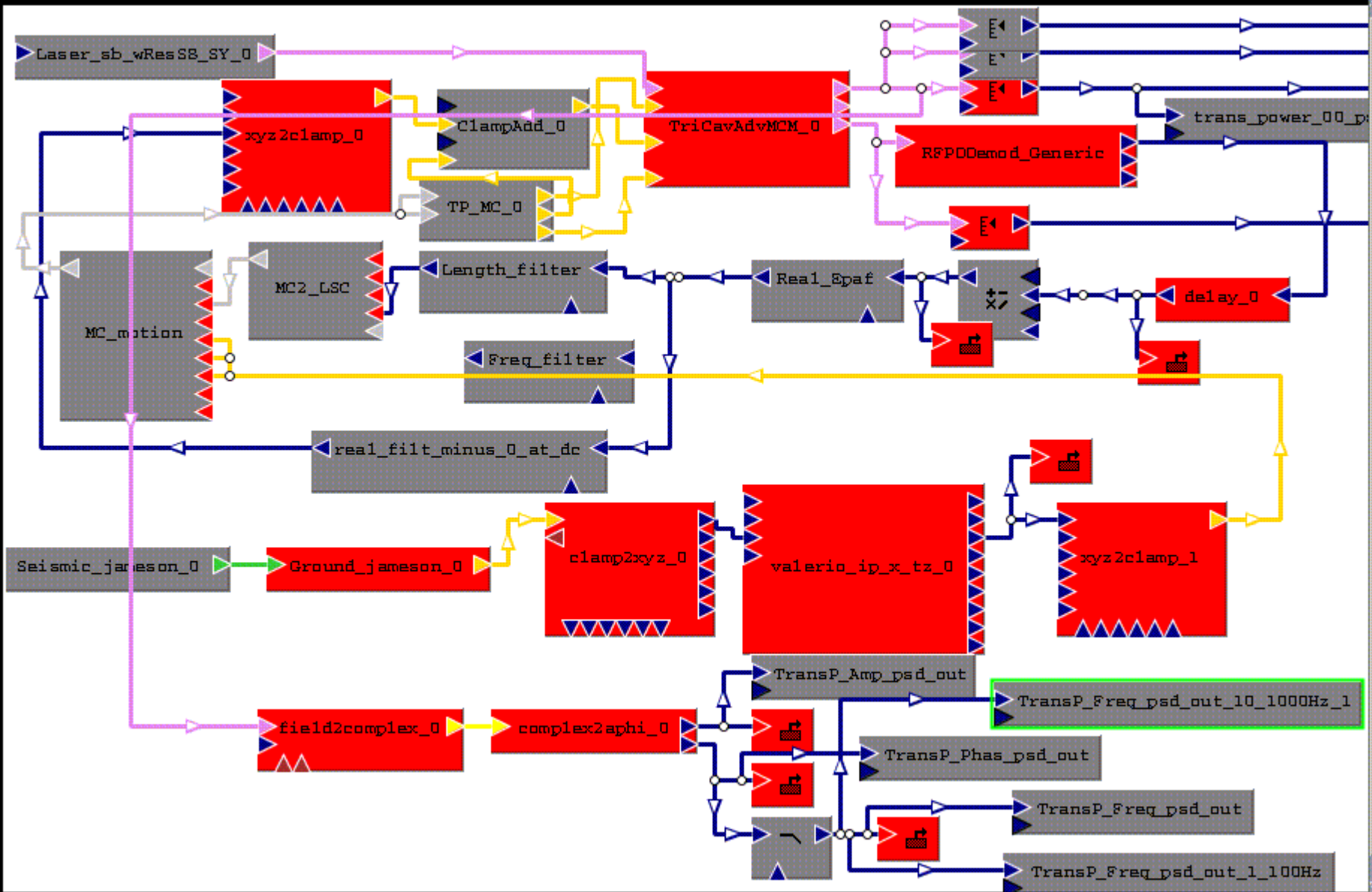


3/15/07 AdvMC freq noise study

MC\_test\_triple\_vco\_isc\_gnd - internal view



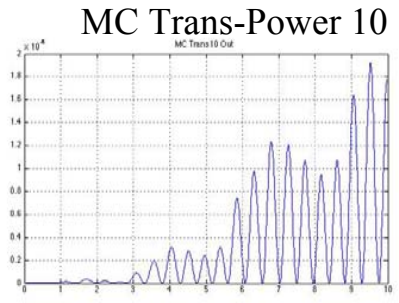
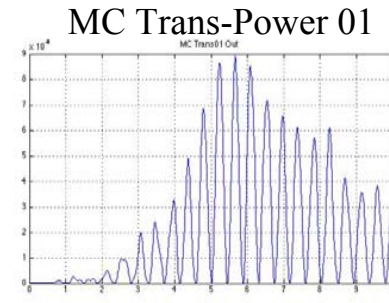
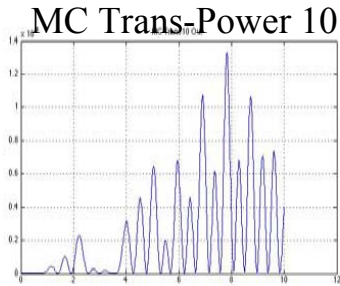
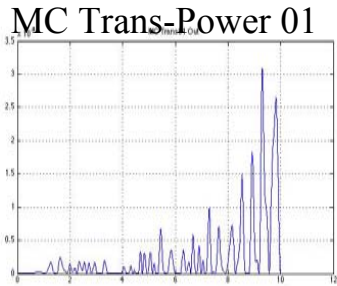
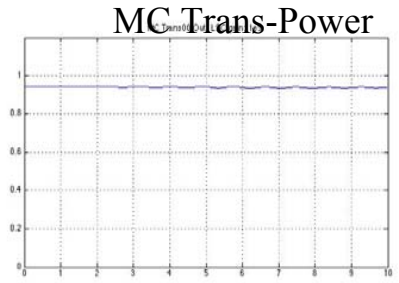
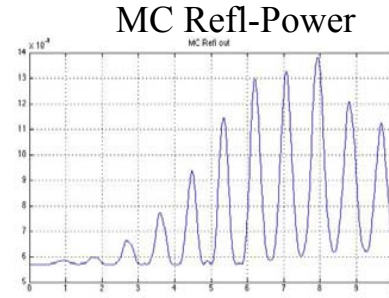
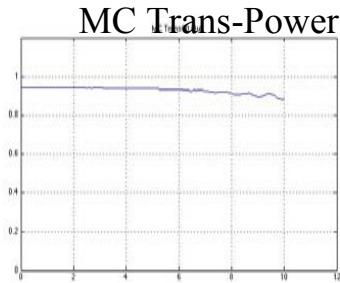
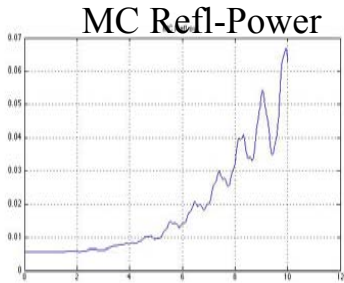
# Filter gain adjust with WN (1e-6) to sus point

LSC Gain: 1e2 Freq Gain: 6e11

Oscillation amplitude .07

LSC Gain: 1e5 Freq Gain: 6e11

Oscillation amplitude: 0.14



Time (s)

Time (s)

Time (s)

Time (s)

Engage LSC control

Increase LSC dc gain by 1000

No lock without LSC (VCO only)

# Frequency fluctuation by MC length change (SimLIGO Gnd to HAM-SAS base (X only))

