

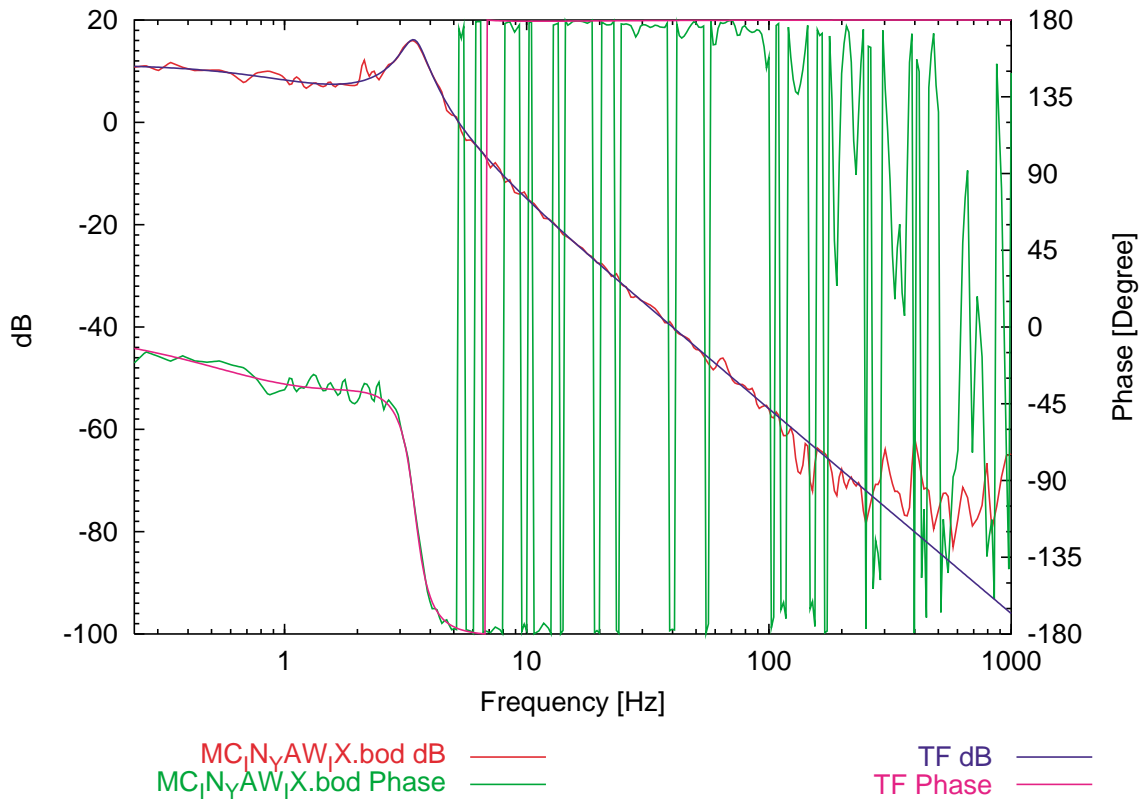
Recombine3: Mode Cleaner Suspension Transfer Functions

National Astronomical Observatory, TAMA project

Koji Arai

June 13, 2001

MC Input Mirror Yaw Coil



Filename: MC_IN_YAW_IX.bod

Measured: 2001/06/13

Actuator: Coil

Sensor: MC WFS IX

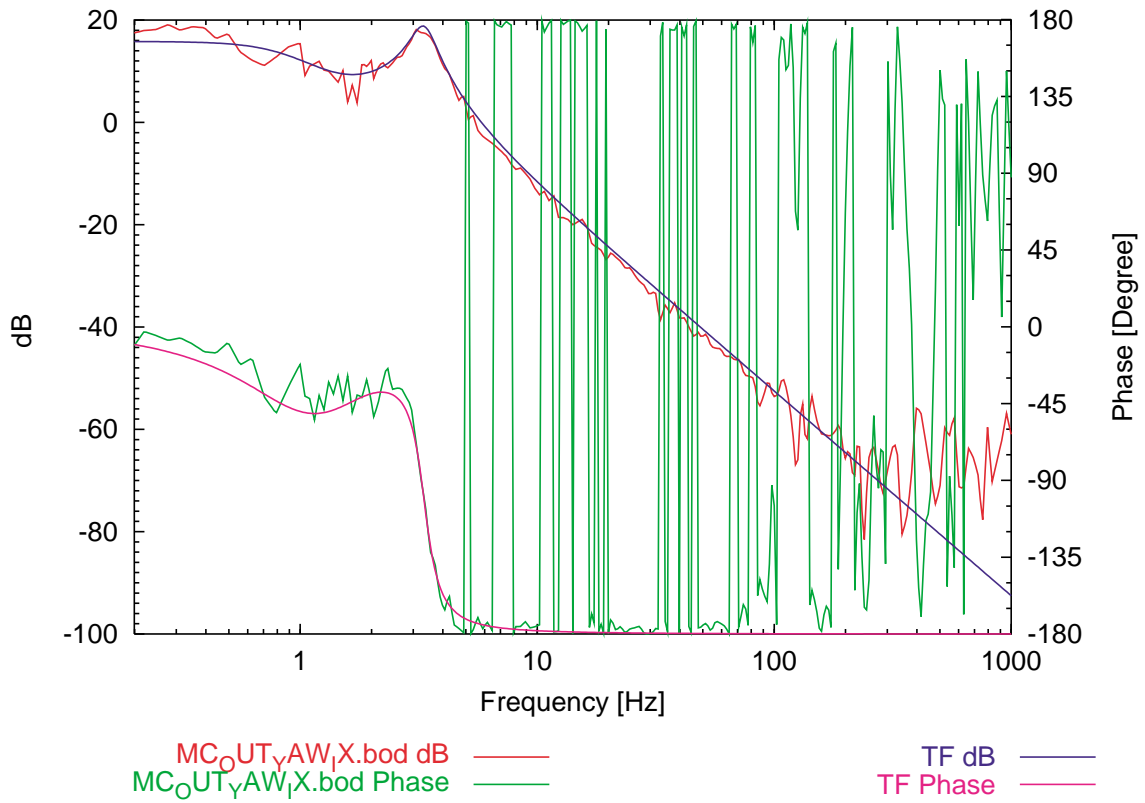
pole 1.3867059 429.1154m

pole 3.4522104 4.4838528

zero 2.3064547 541.96868m

factor 3.6564141

MC Output Mirror Yaw Coil



Filename: MC_OUT_YAW_IX.bod

Measured: 2001/06/13

Actuator: Coil

Sensor: MC WFS IX

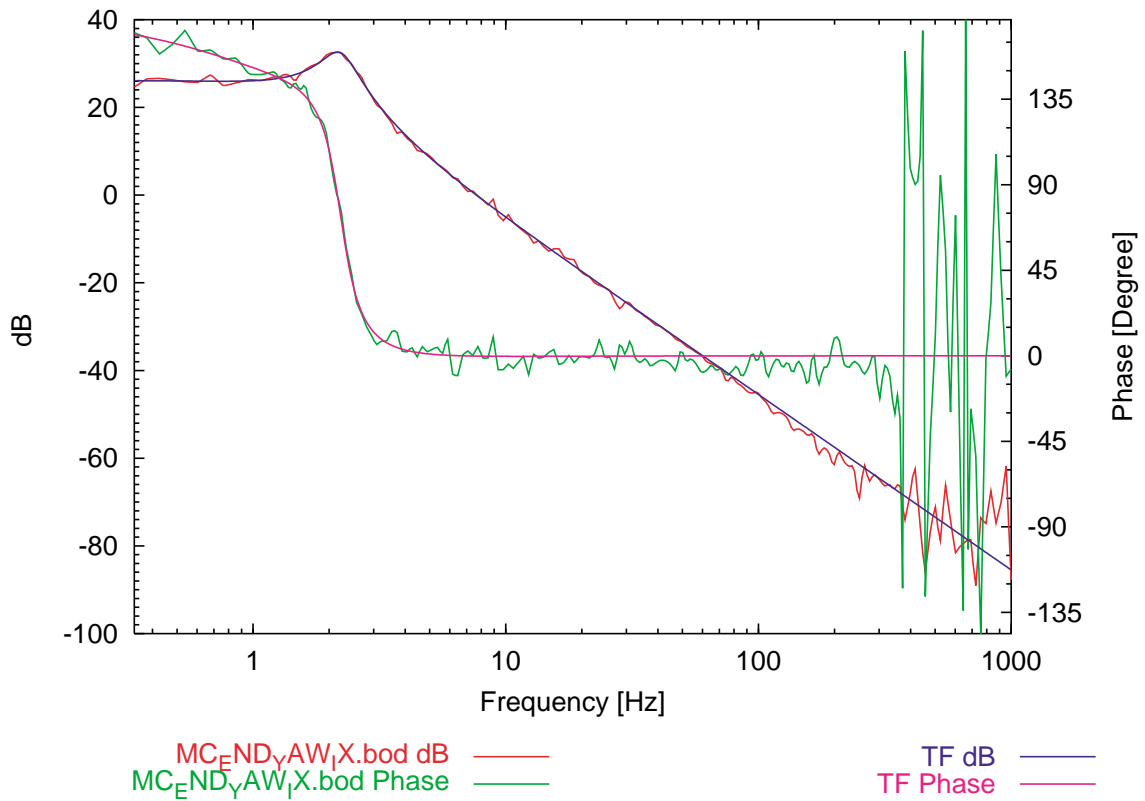
pole 910.1997m 695.77853m

pole 3.3342821 4.2999494

zero 1.5521247 853.11388m

factor 6.1954913

MC End Mirror Yaw Coil



Filename: WEPF_PZT_001106.eps

Measured: 2001/06/13

Actuator: Coil

Sensor: MC WFS IX

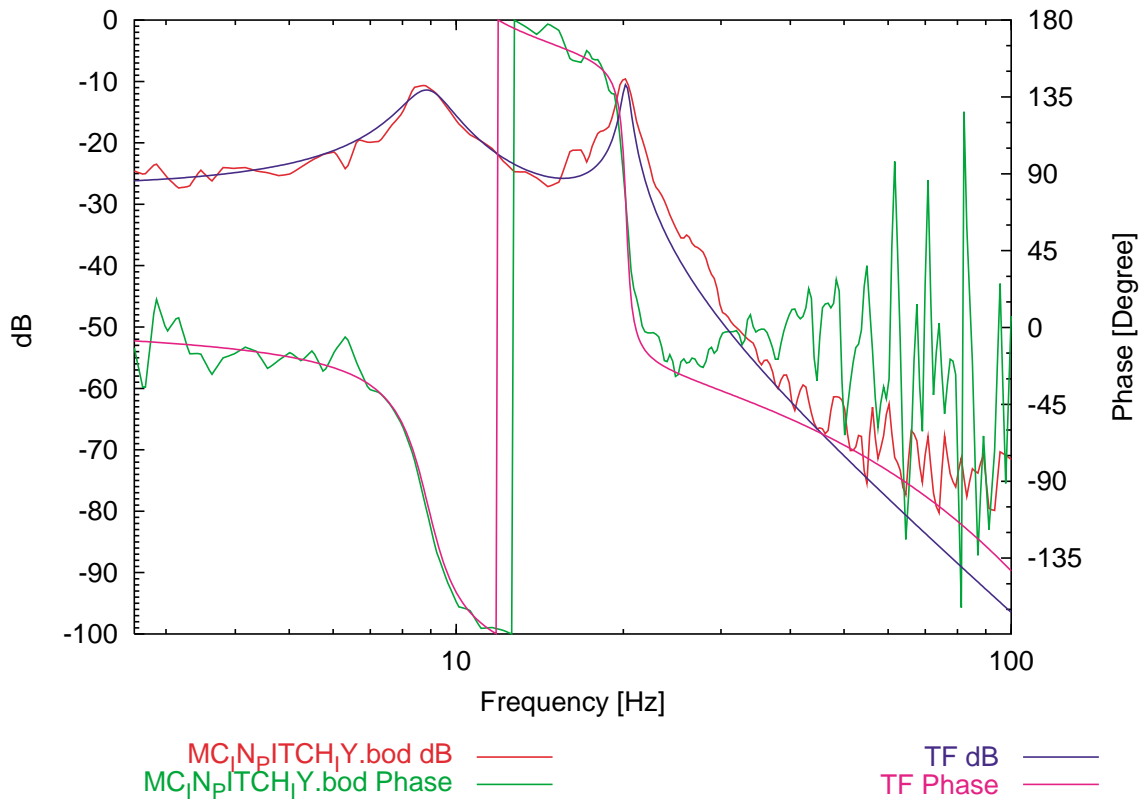
pole 1.1373361 551.42916m

pole 2.2212646 3.4036212

zero 1.55914 557.09326m

factor -20.270651

MC Input Pitch PZT



Filename: MC_IN_PITCH_IY.bod

Measured: 2001/06/13

Actuator: PZT

Sensor: MC WFS IY

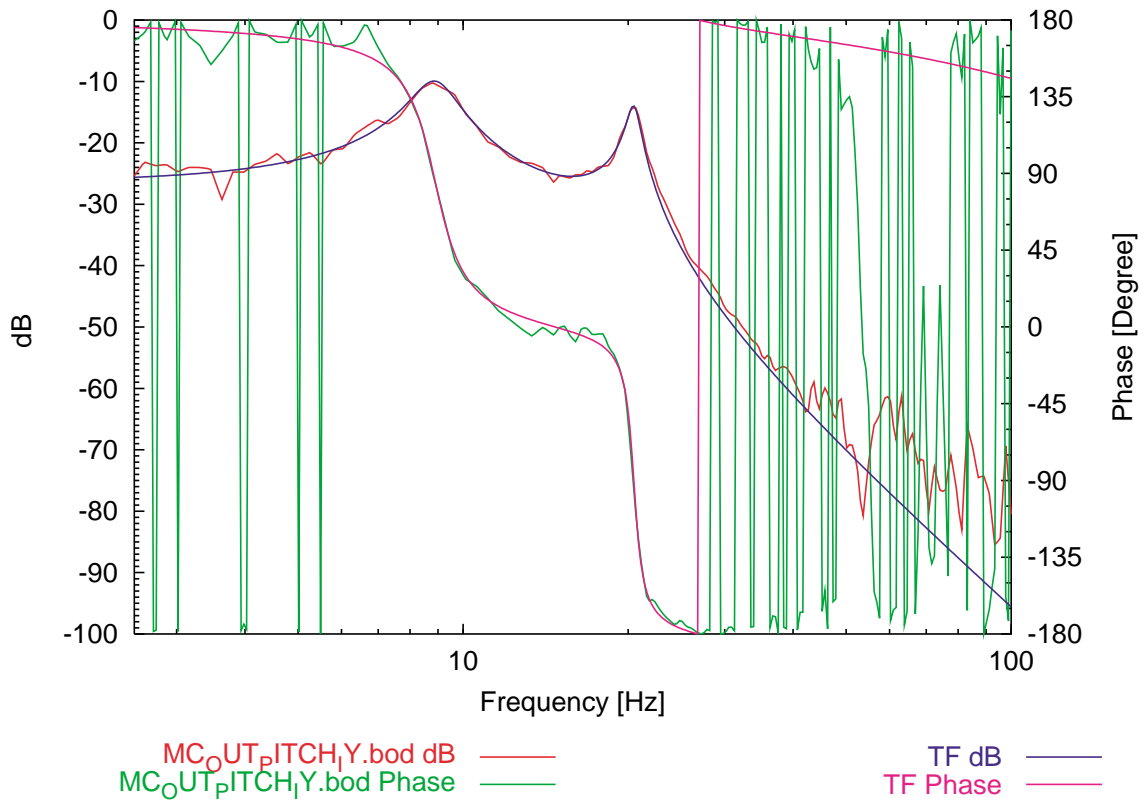
pole 20.204737 22.523946

pole 8.7841753 5.1527575

factor 40.065173m

delay 4m

MC Output Pitch PZT



Filename: MC_OUT_PITCH_IY.bod

Measured: 2001/06/13

Actuator: PZT

Sensor: MC WFS IY

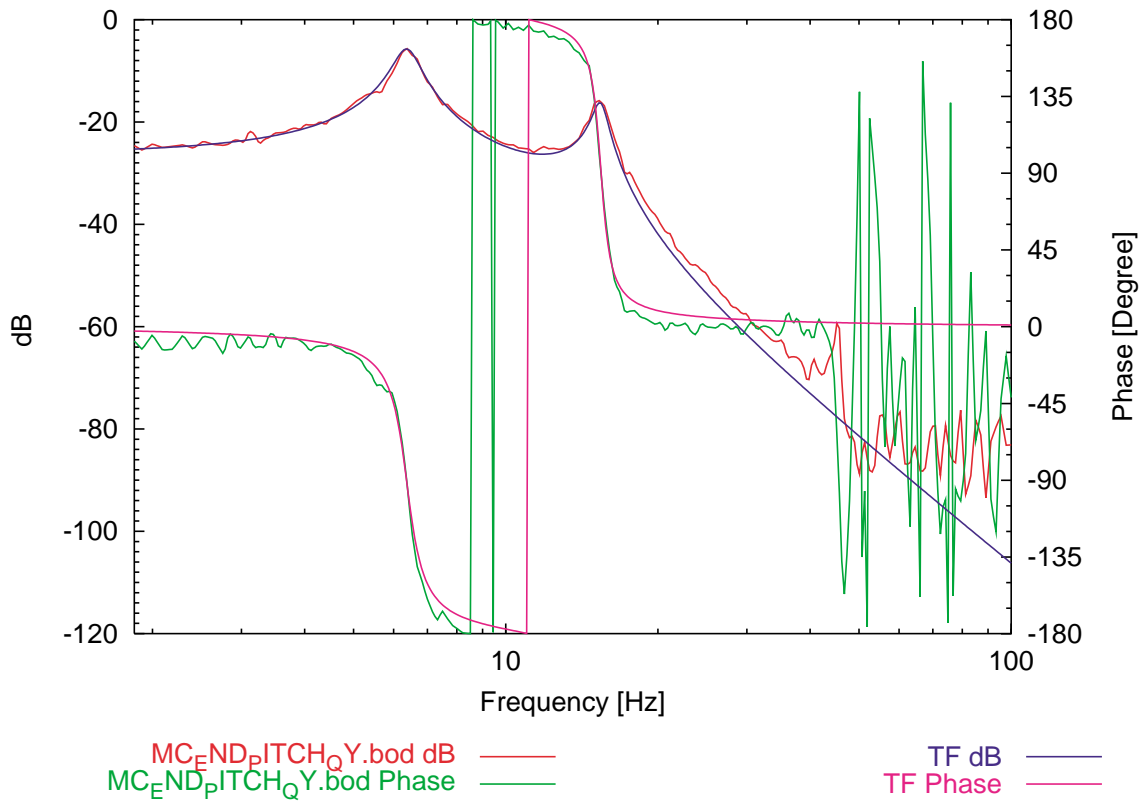
pole 20.503887 18.173815

pole 8.8928023 5.4385739

factor -47.536612m

delay 1m

MC End Pitch PZT



Filename: MC_END_PITCH_QY.bod
 Measured: 2001/06/13
 Actuator: PZT
 Sensor: MC WFS QY

pole 6.3748042 8.7262565
 pole 15.410058 15.191683
 factor 49.190521m