Recombine3: Suspension Transfer Functions

National Astronomical Observatory, TAMA project
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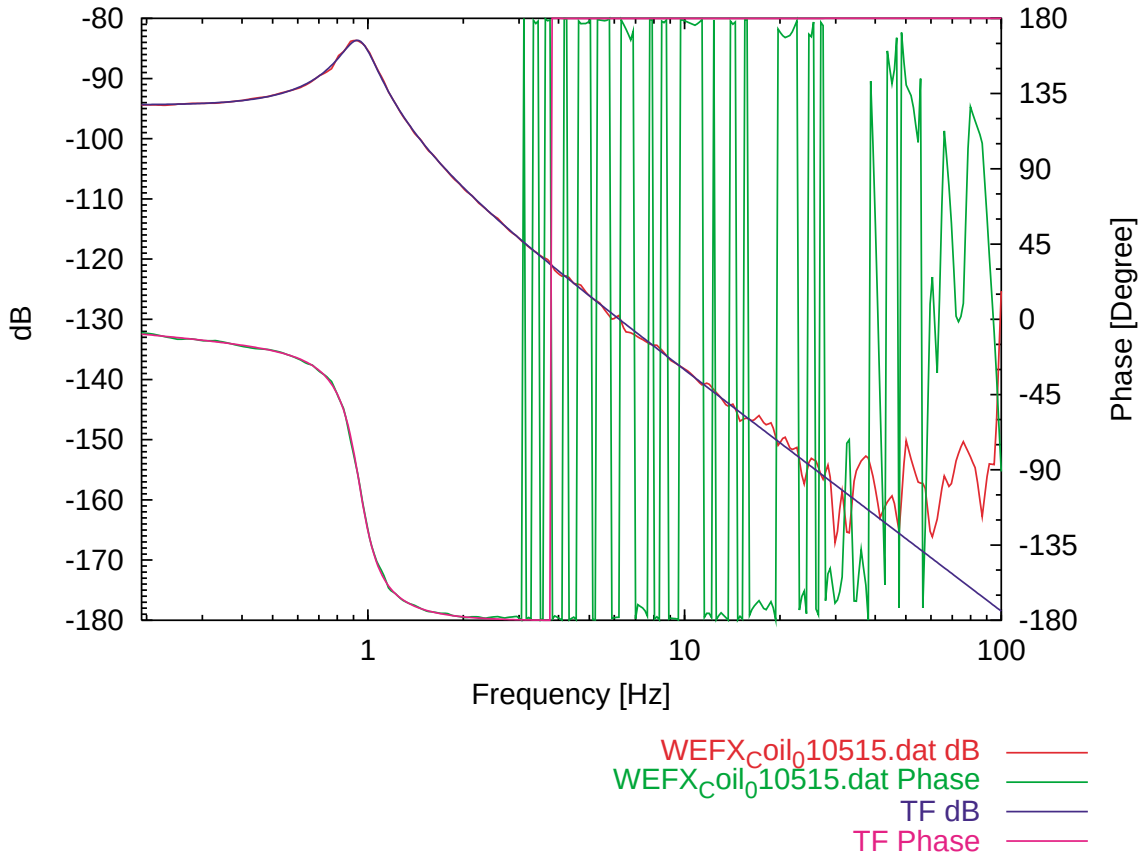
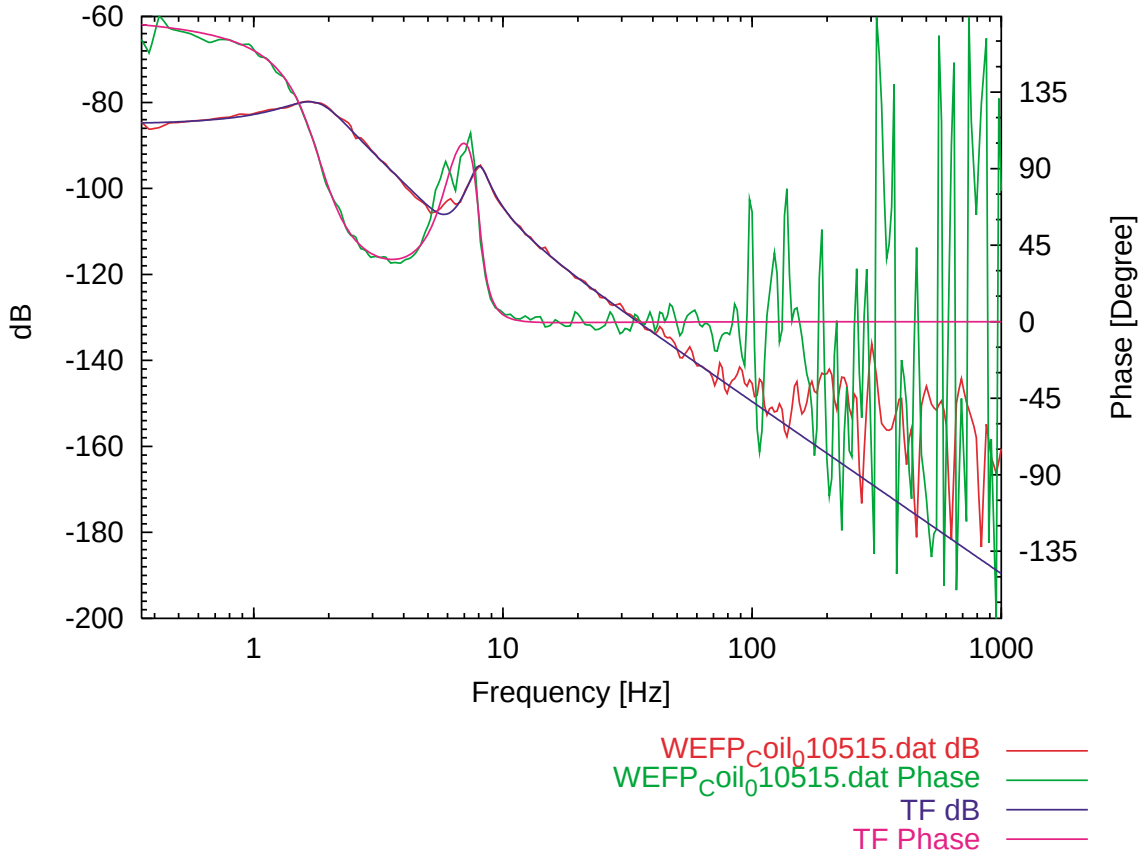
WE Front Length Coil




```
Filename: WEFX_Coil_010515.dat
Measured: 2000/05/16
Actuator: Coil

pole 498.38716m 438.34735m
pole 939.96245m 4.2694232
zero 595.84114m 430.47901m
factor 19.270227u
```

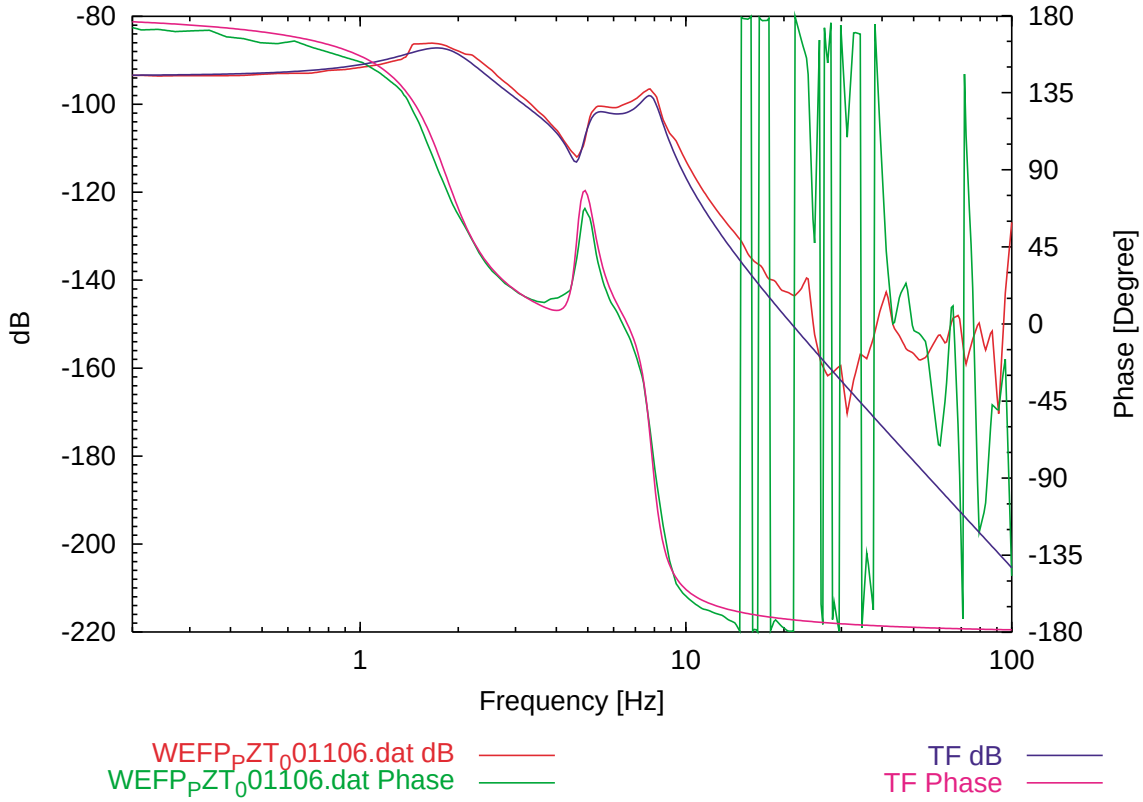
WE Front Pitch Coil




```
Filename: WEFP_Coil_010515.dat
Measured: 2001/05/16
Actuator: Coil

pole 1.8302917 1.7963219
pole 8.0092455 6.3624018
zero 6.029237 2.4424594
factor -55.98415u
```

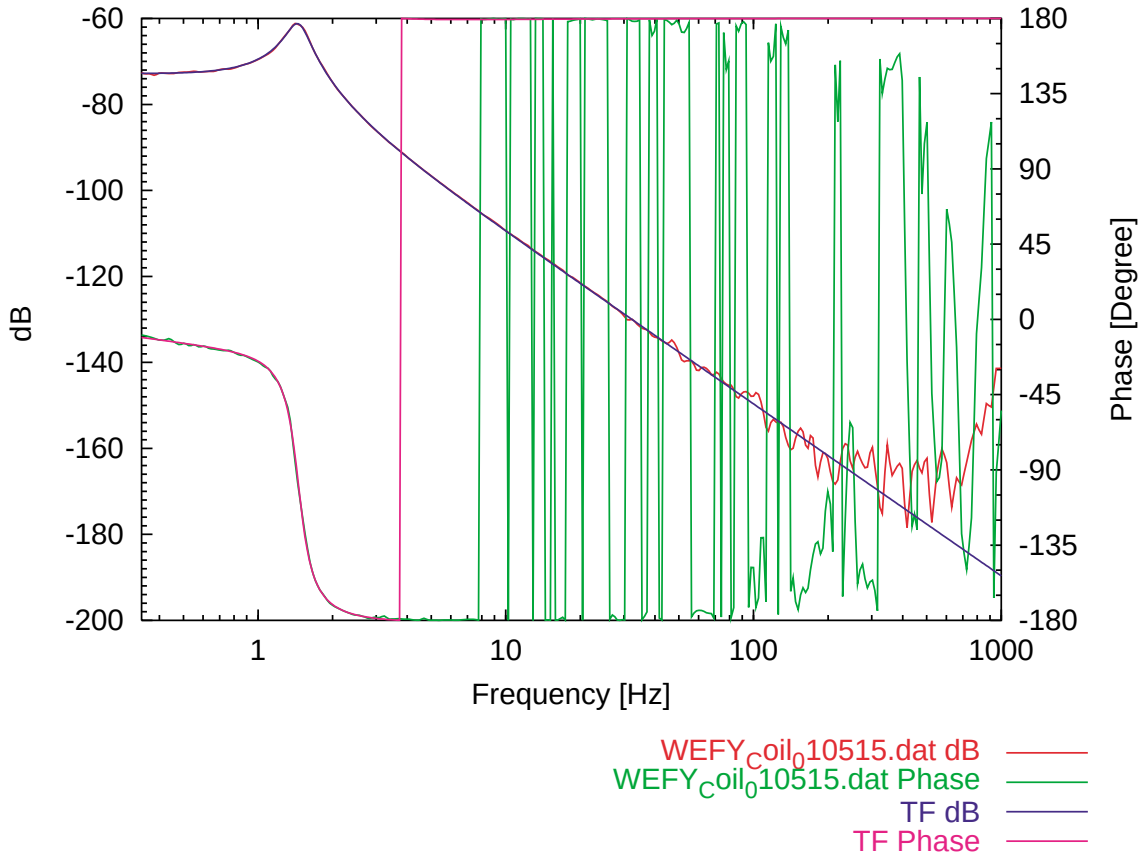
WE Front Pitch PZT




```
Filename: WEFP_PZT_001106.dat
Measured: 2000/11/06
Actuator: PZT

pole 1.838965 1.9543587
pole 7.8533994 7.4993756
pole 5.0990797 5.3614304
zero 4.6369576 10.803121
factor -21.195962u
```

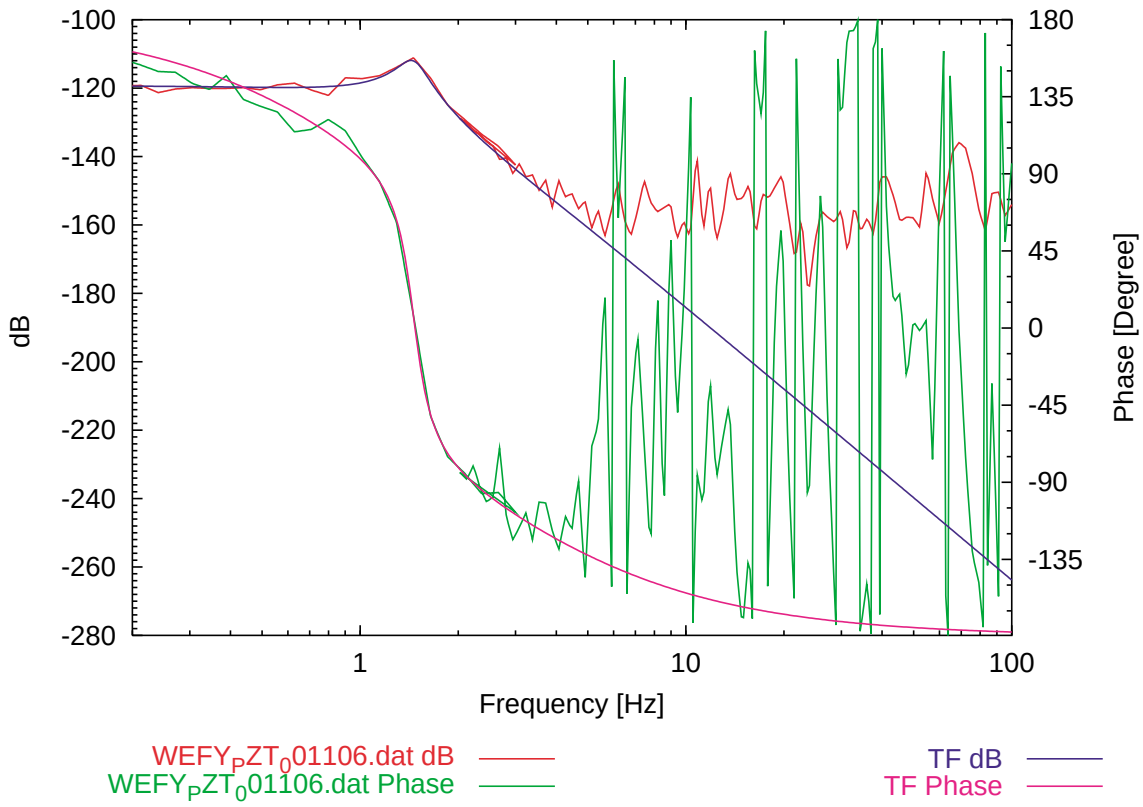
WE Front Yaw Coil




```
Filename: WEFY_Coil_010515.dat
Measured: 2001/05/16
Actuator: Coil

pole 1.4154088 365.89744m
pole 1.4566651 4.9983241
zero 1.7307943 403.6784m
factor 231.8507u
```

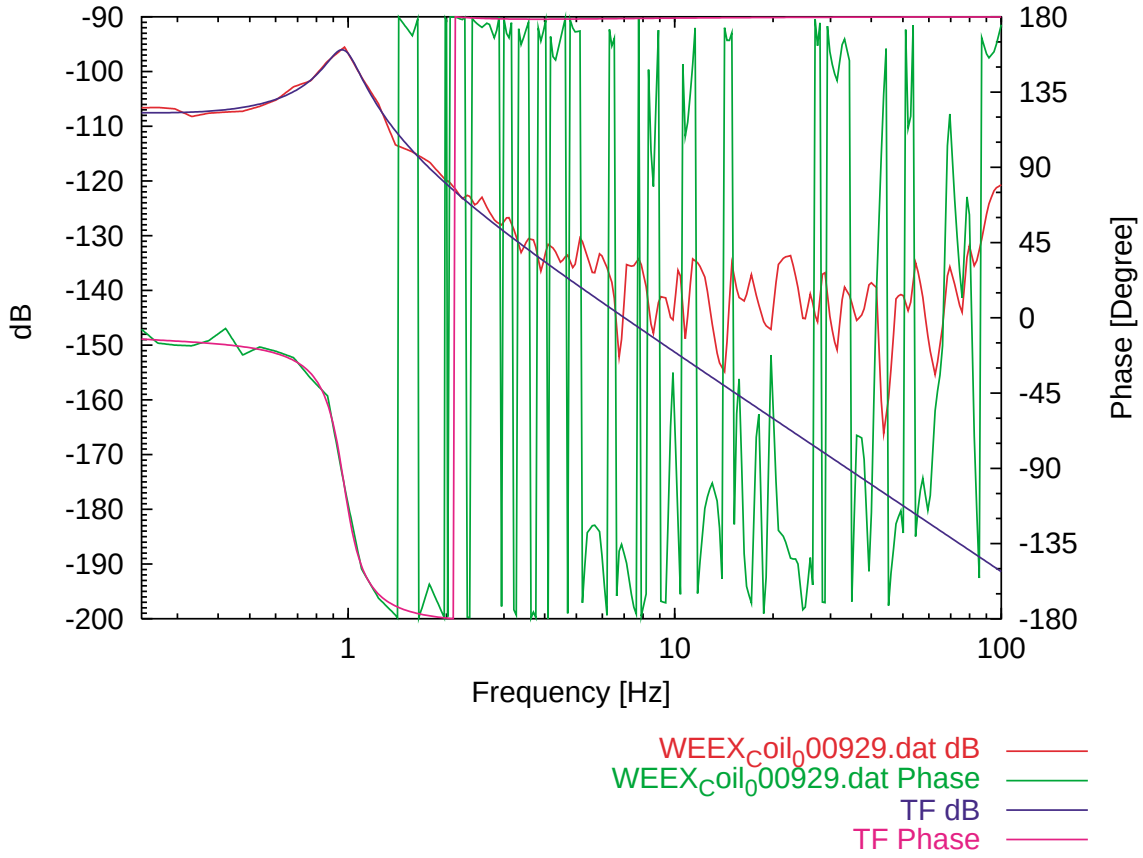
WE Front Yaw PZT




```
Filename: WEFY_PZT_001106.dat
Measured: 2000/11/06
Actuator: PZT

pole 1.4603232 5.2029964
pole 1.6696571 390.15122m
factor -1.0828428u
```

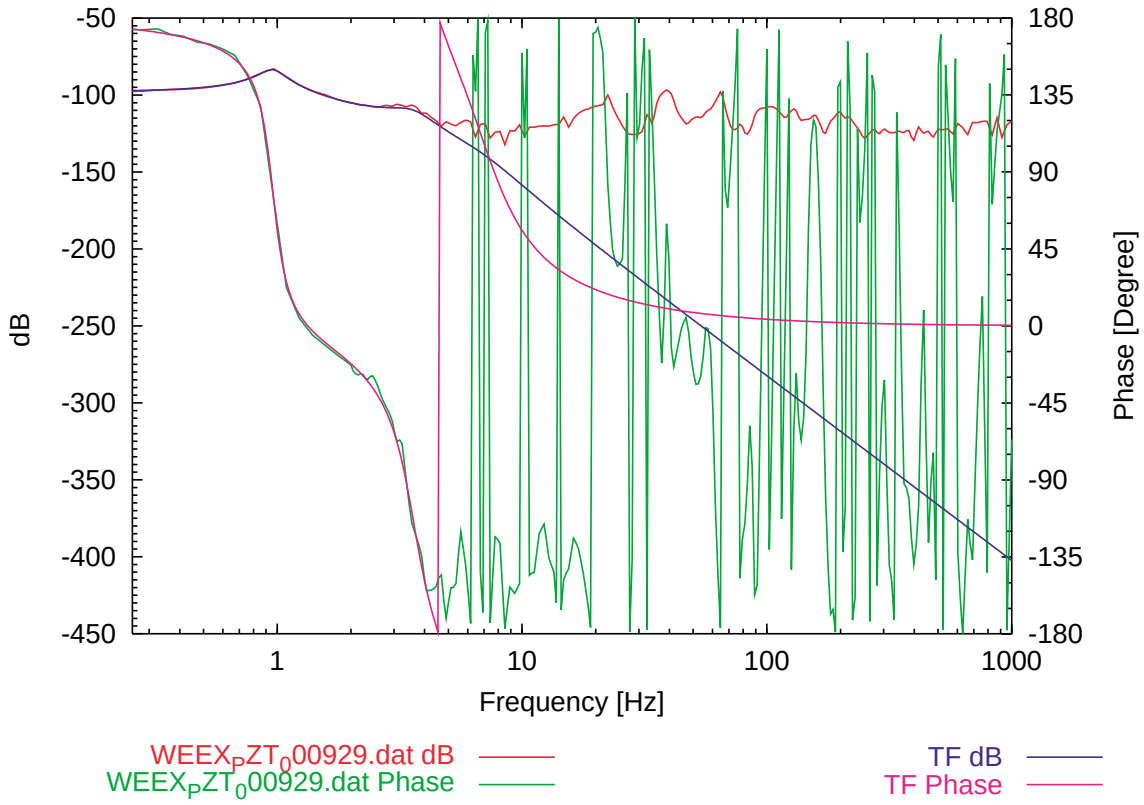
WE End Length Coil




```
Filename: WEEX_Coil_000929.dat
Measured: 2000/09/29
Actuator: Coil

pole 504.72791m 336.87317m
pole 970.3006m 4.7142916
zero 639.71993m 345.91816m
factor 4.5971798u
```

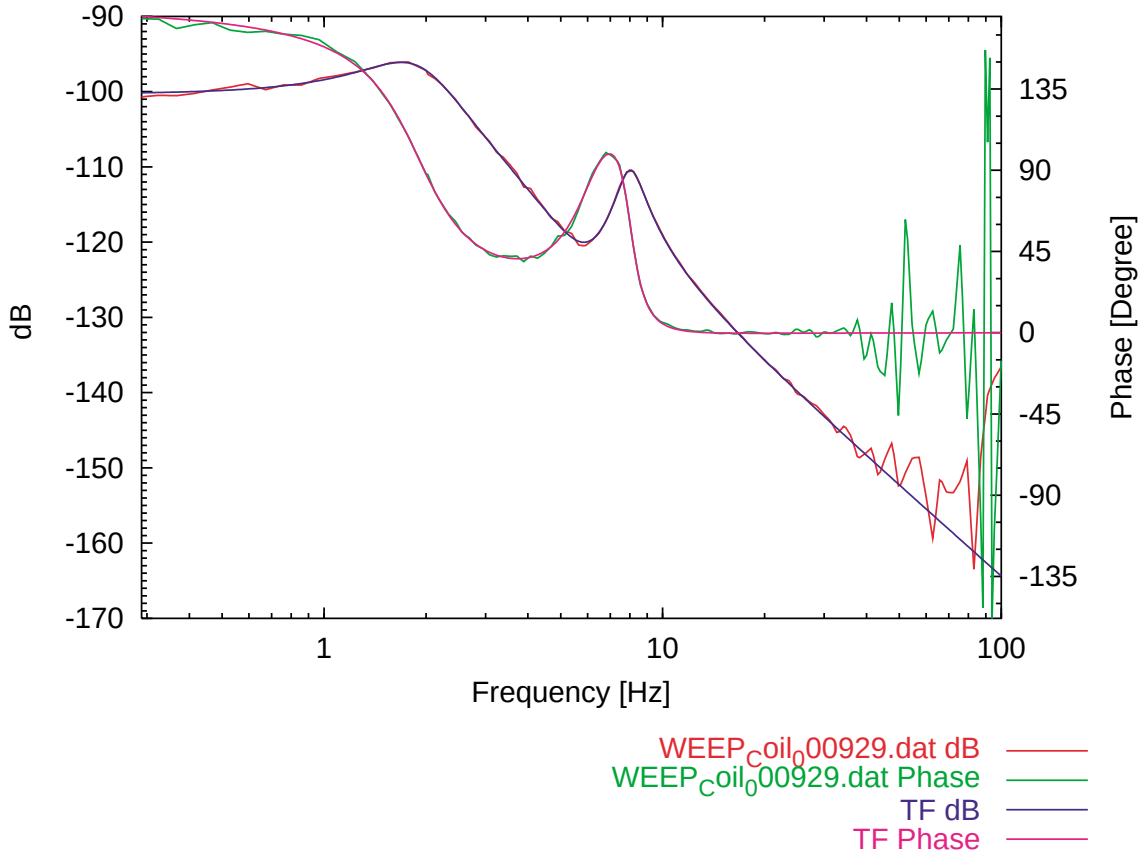
WE End Length PZT




```
Filename: WEEX_PZT_000929.dat
Measured: 2000/09/29
Actuator: PZT

pole 960.40551m 4.7687635
pole 3.6024109 2.7201021
pole 7.0149421 1.3324394
factor -12.892093u
```

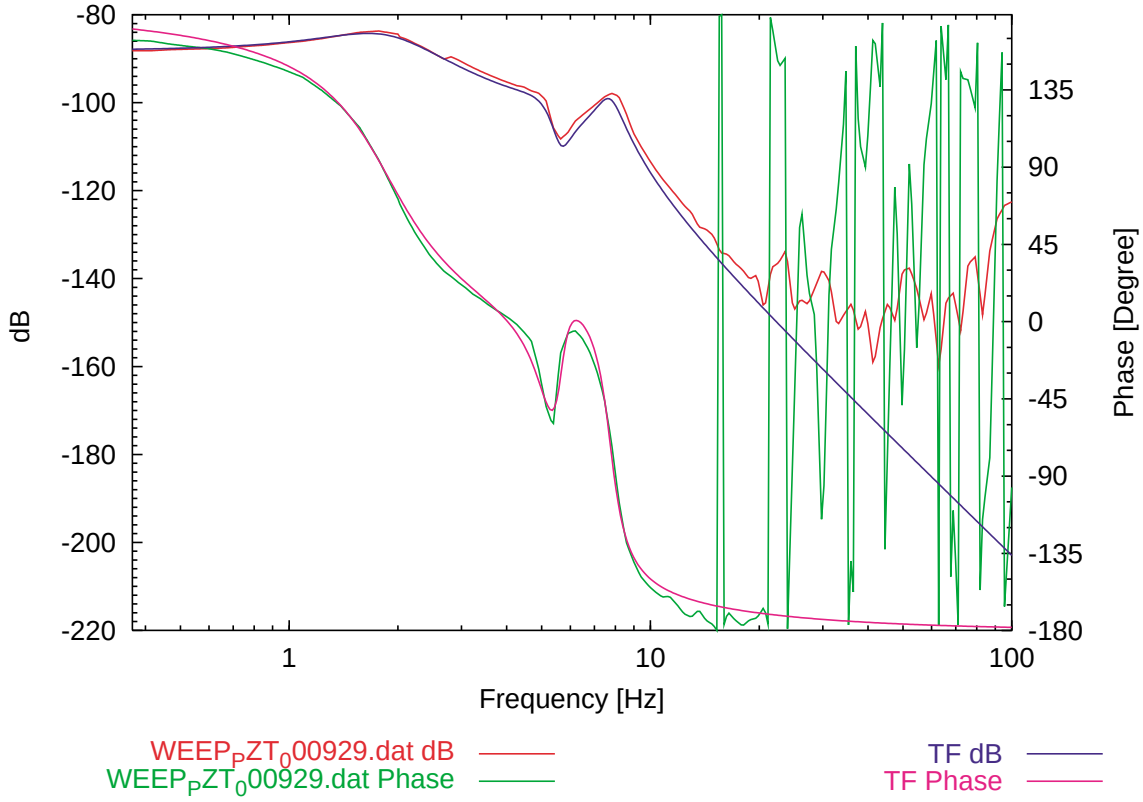
WE End Pitch Coil




```
Filename: WEEP_Coil_000929.dat
Measured: 2000/09/29
Actuator: Coil

pole 1.9054777 1.5782662
pole 8.0215206 5.7406313
zero 6.1264058 2.2513504
factor -9.659452u
```

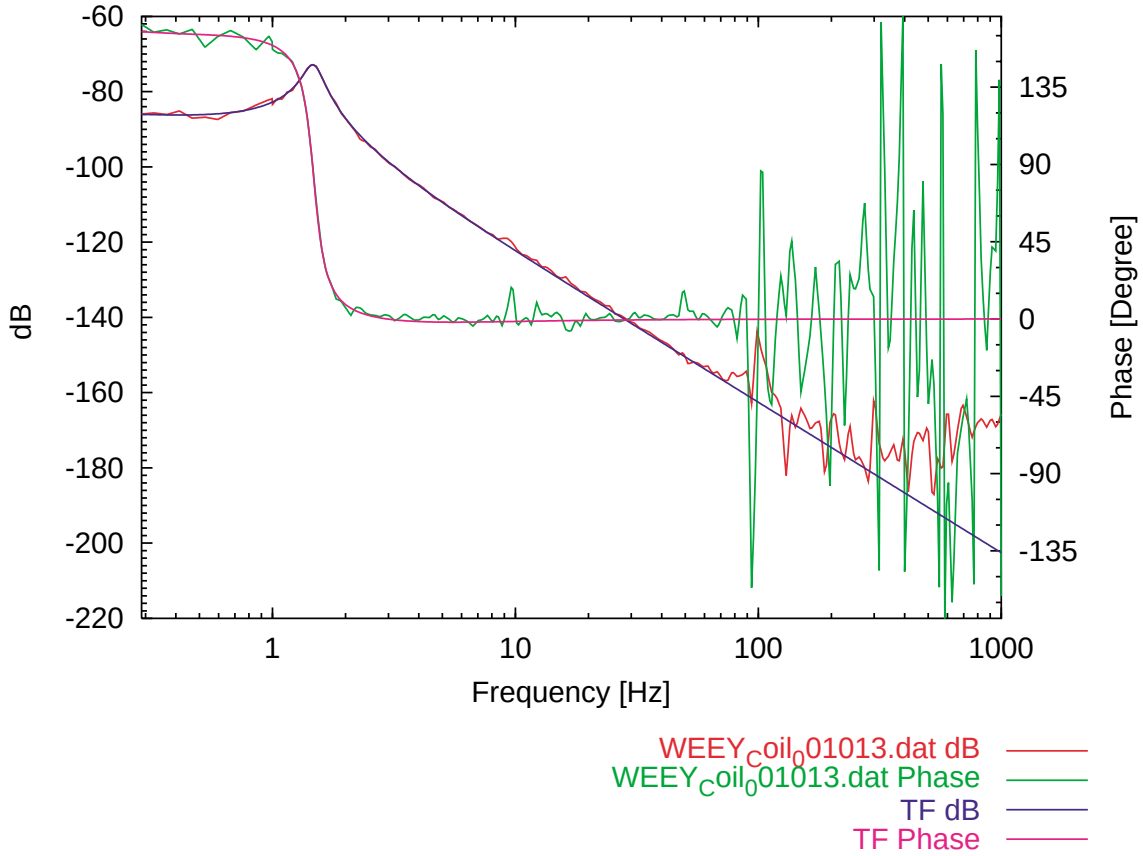
WE End PZT Coil




```
Filename: WEEP_PZT_000929.dat
Measured: 2000/09/29
Actuator: PZT

pole 1.8812192 1.3715206
pole 7.7377484 6.4316274
pole 5.2220776 3.8651542
zero 5.6568936 9.1819918
factor -39.303344u
```

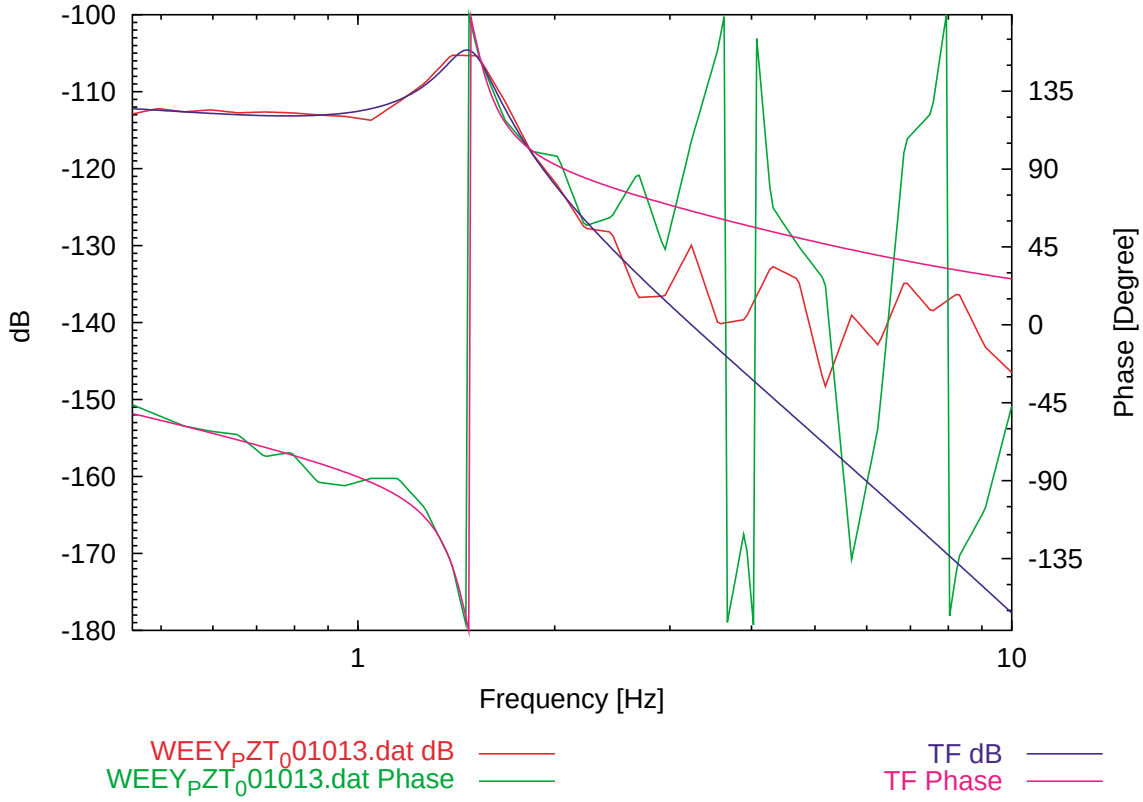
WE End Coil Yaw




```
Filename: WEEY_Coil_001013.dat
Measured: 2000/10/13
Actuator: Coil

pole 858.27593m 293.0472m
pole 1.4775355 5.8265298
zero 1.0996081 316.83123m
factor -56.020237u
```

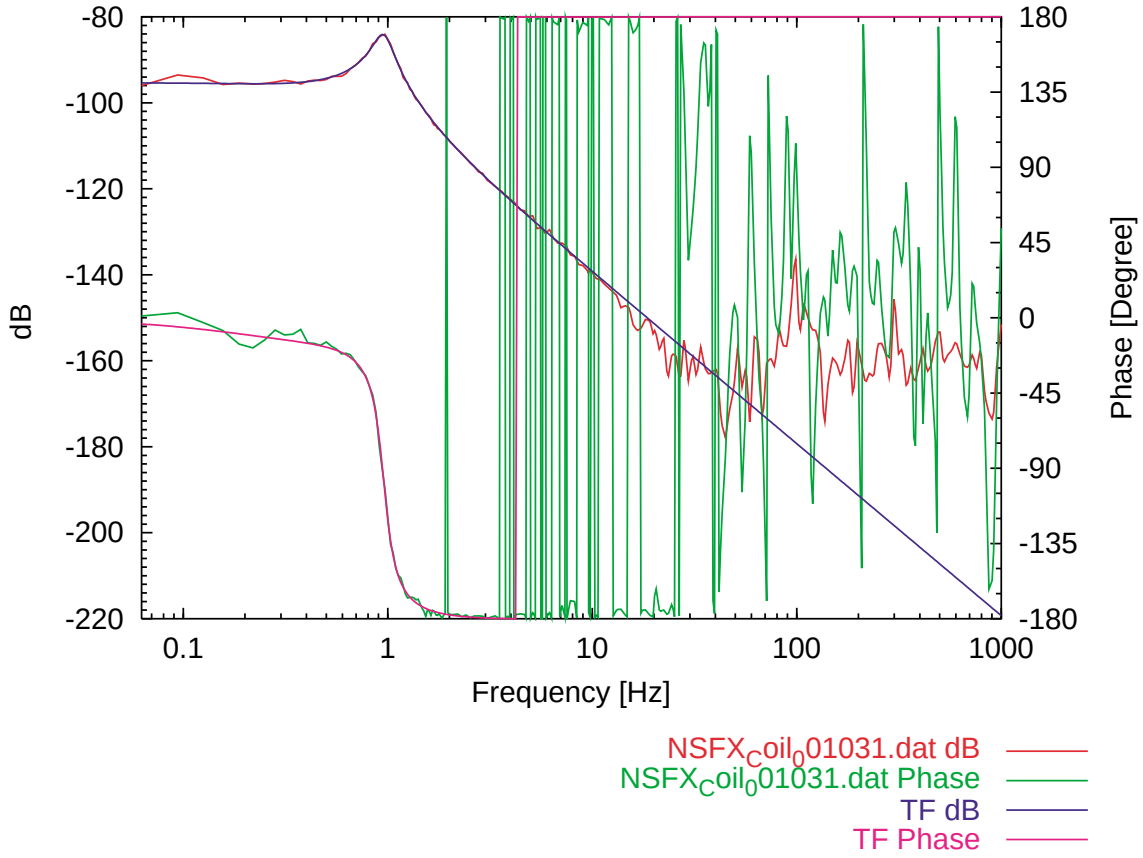
WE End PZT Yaw




```
Filename: WEEY_PZT_001013.dat
Measured: 2000/10/13
Actuator: PZT

pole 1.486515 6.4168696
pole 1.4357925 311.45836m
factor 3.0188961u
```

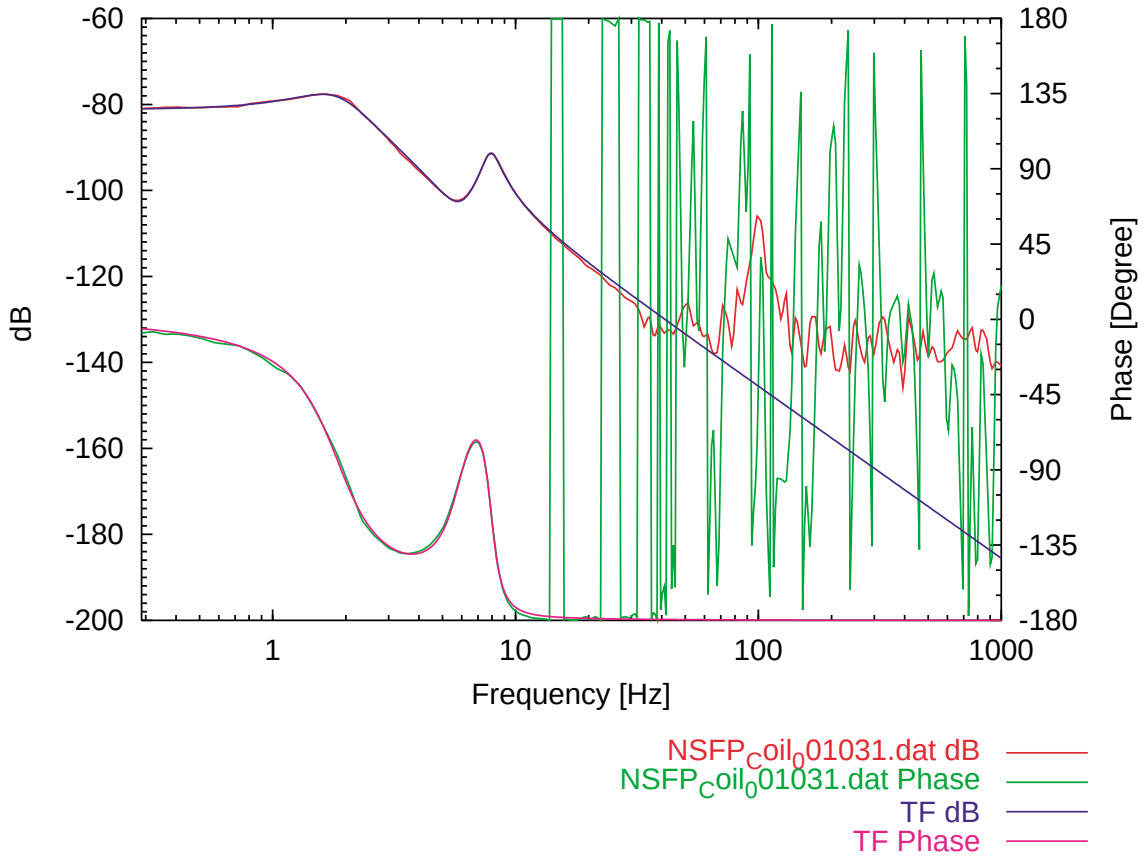
NS Front Length Coil




```
Filename: NSFX_Coil_001031.dat
Measured: 2000/10/31
Actuator: Coil

pole 954.78702m 4.7334997
pole 647.66545m 385.38783m
zero 776.09301m 407.03399m
factor 17.092986u
```

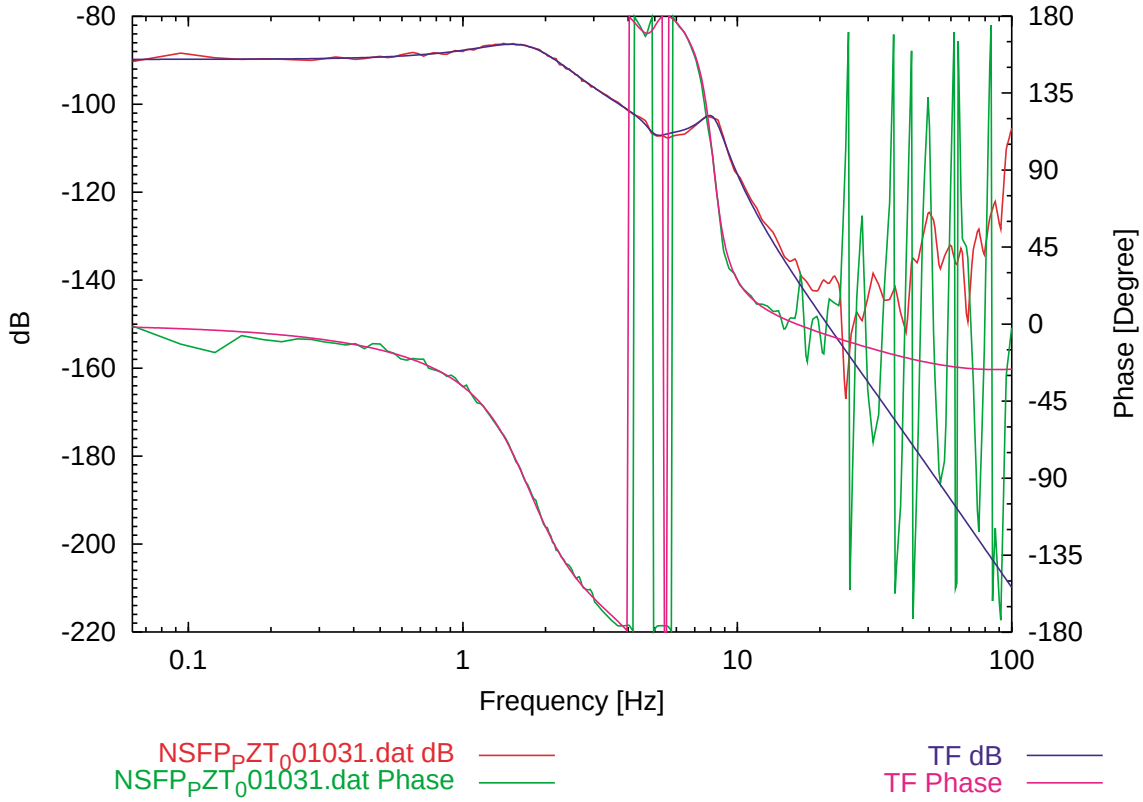
NS Front Pitch Coil




```
Filename: NSFP_Coil_001031.dat
Measured: 2000/10/31
Actuator: Coil

pole 1.8551652 1.4491349
pole 7.8967337 6.0061179
zero 5.9635561 2.6878706
factor 87.438616u
```

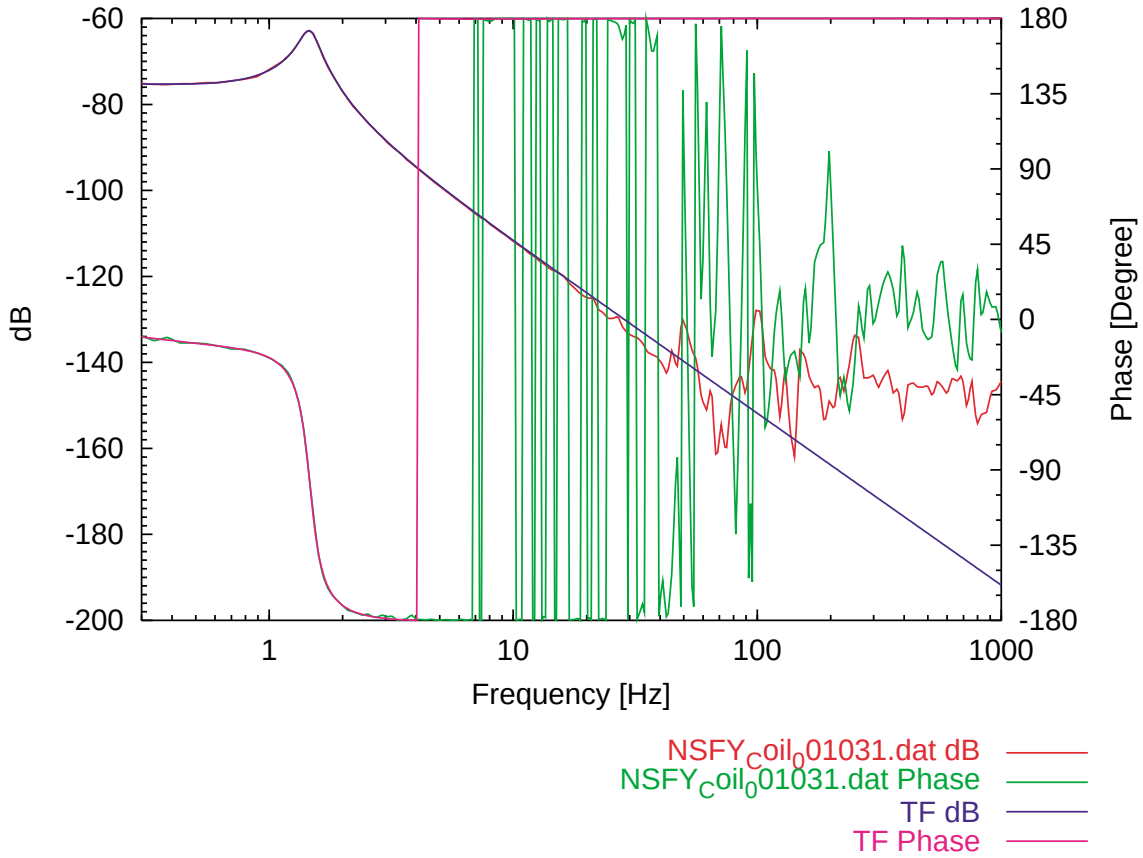
NS Front Pitch PZT




```
Filename: NSFP_PZT_001031.dat
Measured: 2000/10/31
Actuator: PZT

pole 1.7503127 1.350007
pole 4.9179872 3.6216401
pole 8.159577 5.3544091
zero 4.9970811 4.9804463
pole 12.433026 242.87525m
zero 21.718033 155.96287m
factor 32.394108u
```

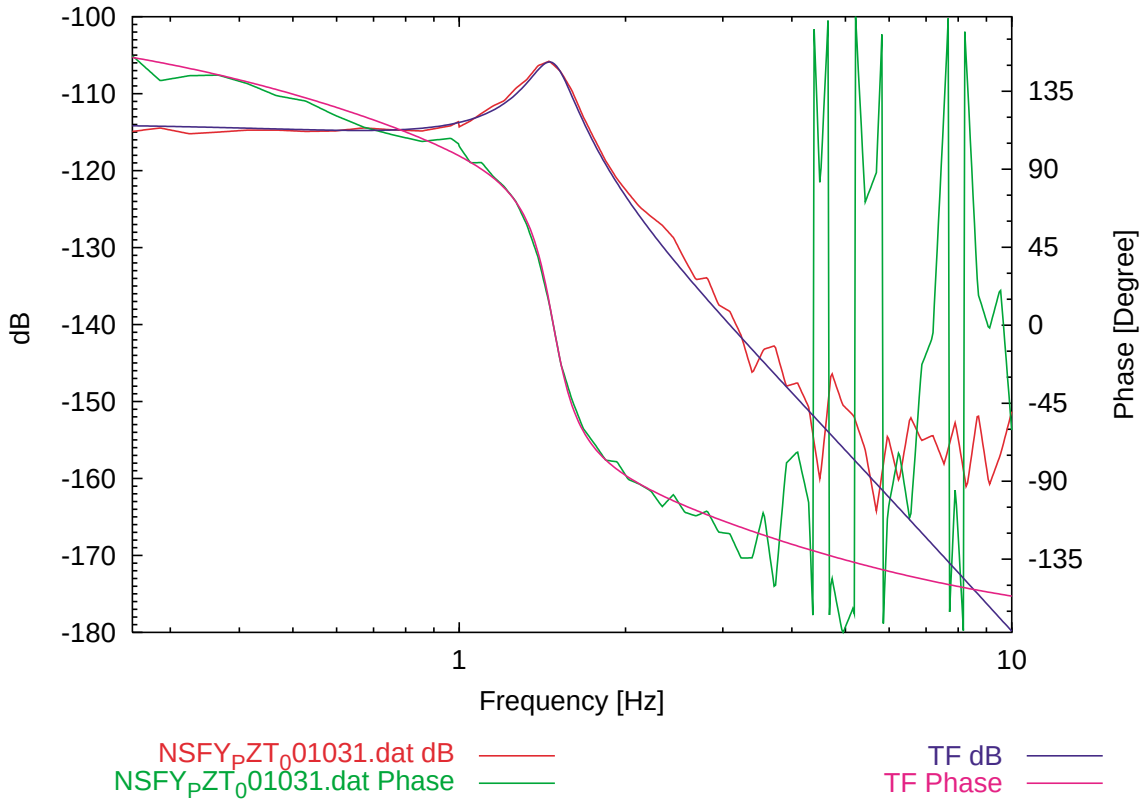
NS Front Yaw Coil




```
Filename: NSFY_Coil_001031.dat
Measured: 2000/10/31
Actuator: Coil

pole 915.81182m 414.08539m
pole 1.4682933 5.4986317
zero 1.1203811 439.8507m
factor 178.08691u
```

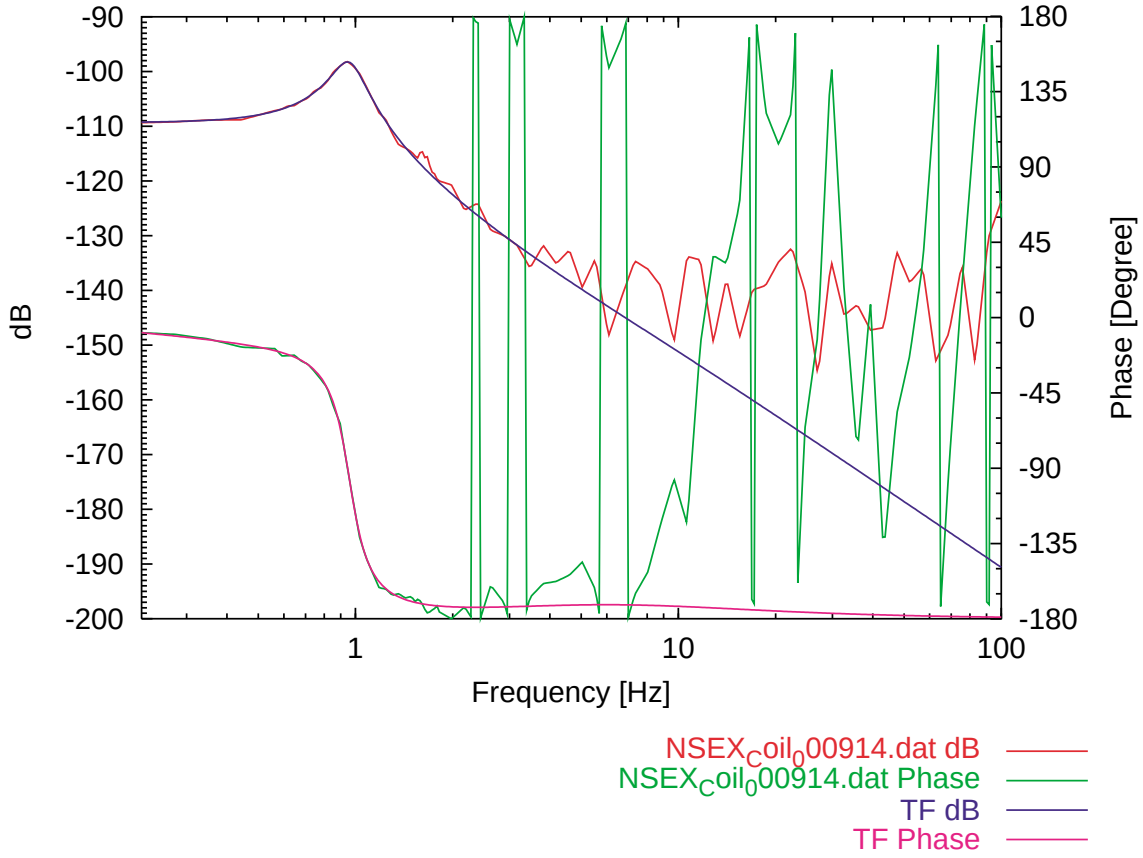
NS Front Yaw PZT




```
Filename: NSFY_PZT_001031.dat
Measured: 2000/10/31
Actuator: PZT

pole 1.5451992 385.54752m
pole 1.477209 6.1694858
factor -2.0186892u
```

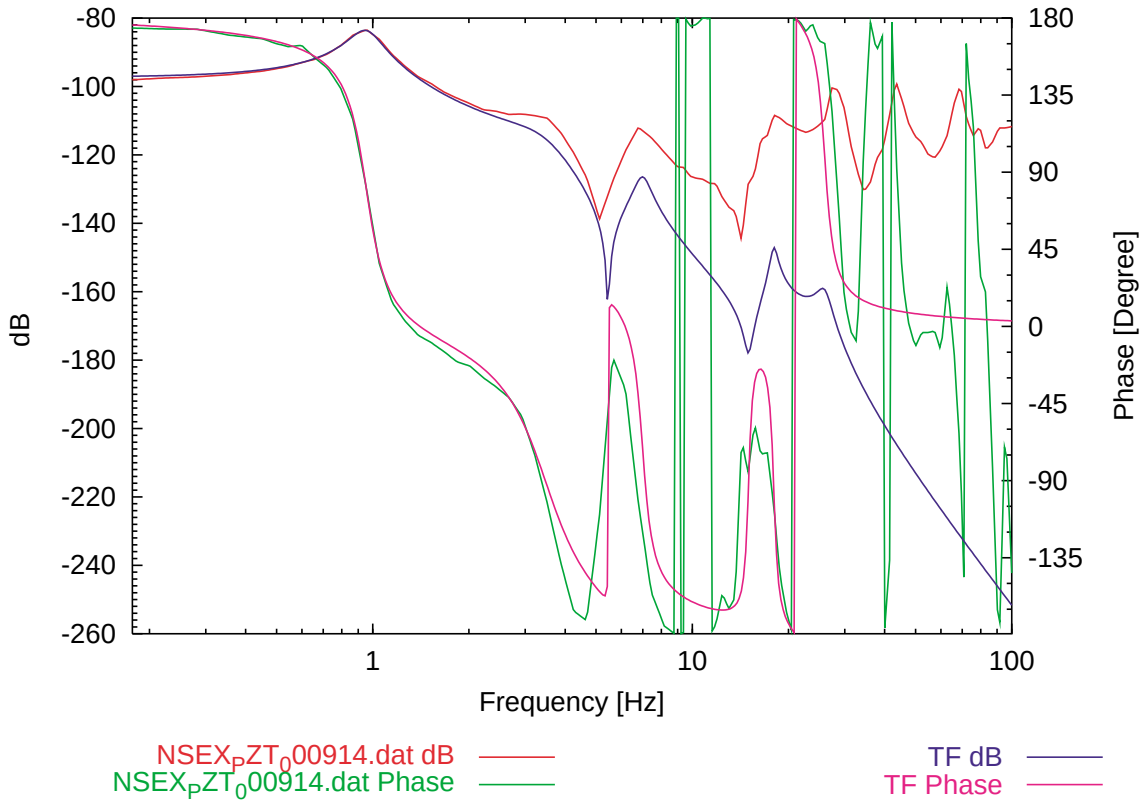
NS End Length Coil




```
Filename: NSEX_Coil_000914.dat
Measured: 2000/09/14
Actuator: Coil

pole 957.31784m 4.5550114
pole 1.8723384 246.42779m
zero 1.9308107 321.94661m
factor 3.4232591u
```

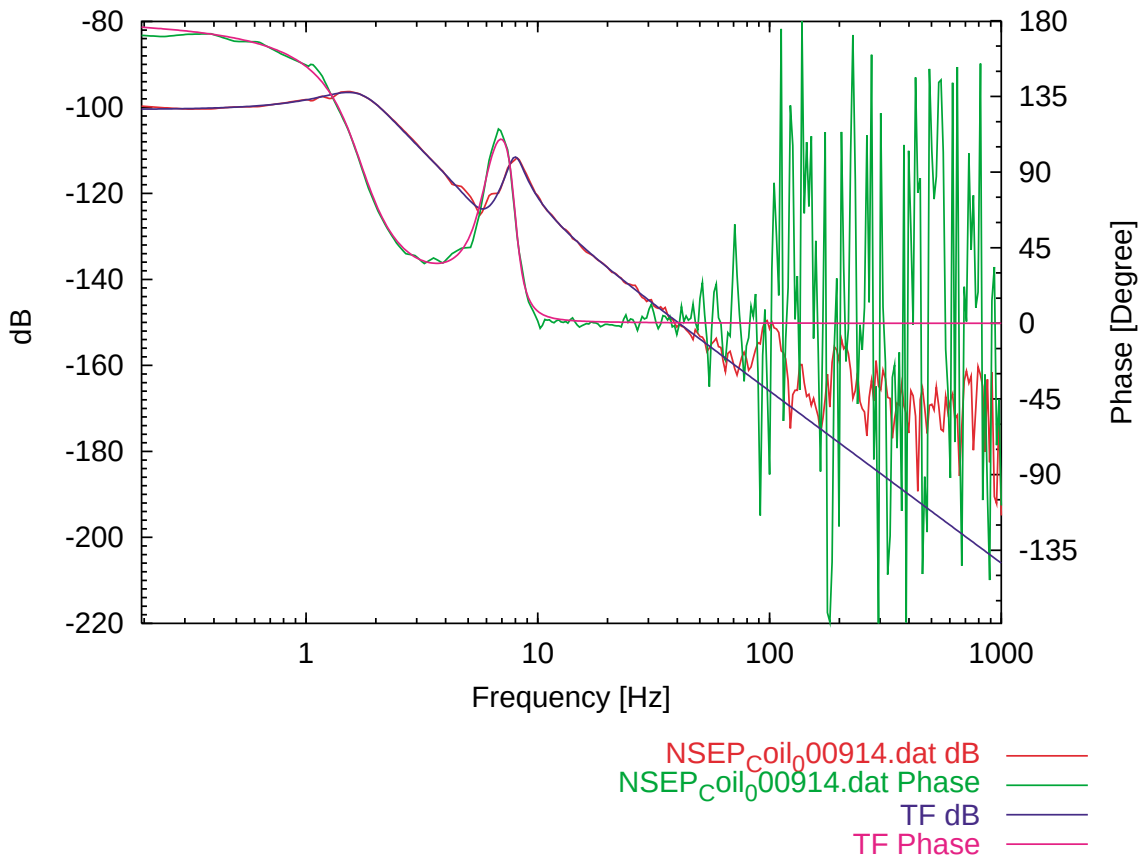
NS End Length PZT




```
Filename: NSEX_PZT_000914.dat
Measured: 2000/09/14
Actuator: PZT

pole 954.08905m 4.5833969
pole 3.4824995 1.9625579
pole 6.9897816 9.2078216
pole 17.999206 20
pole 25.998251 10.247134
zero 5.4499167 497.04687
zero 15.005965 21.823885
factor -13.628682u
```

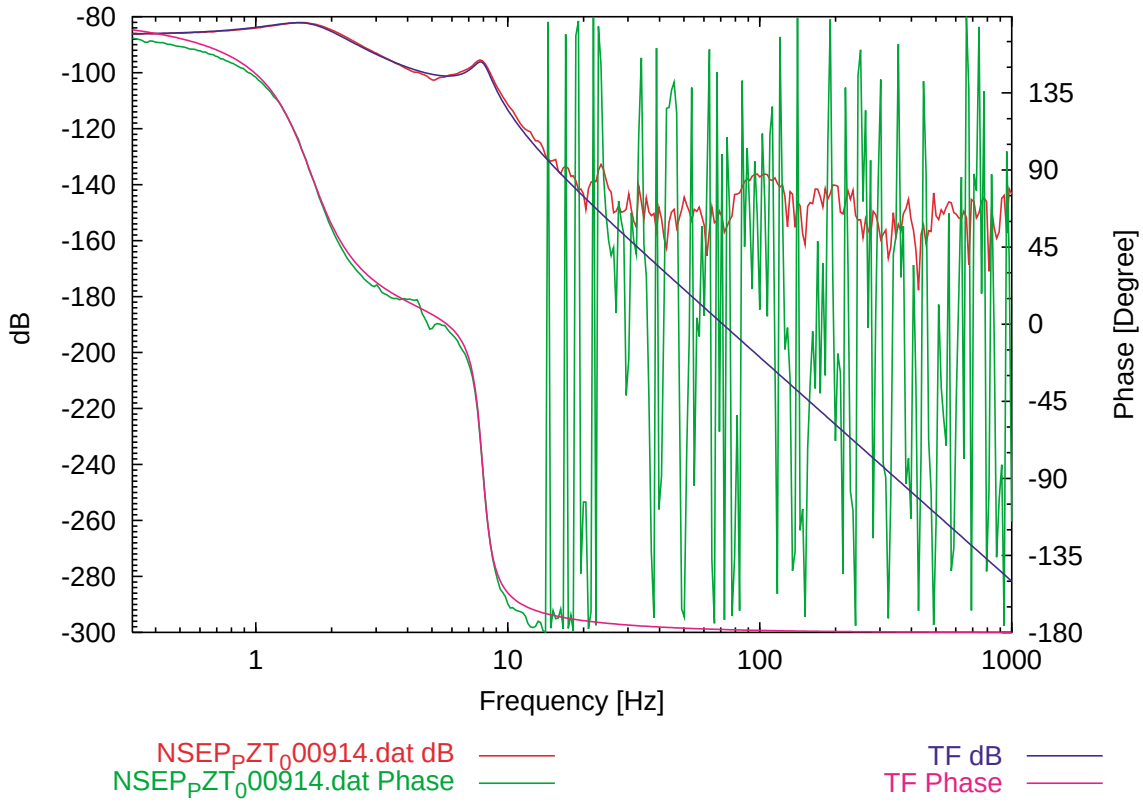
NS End Pitch Coil




```
Filename: NSEP_Coil_000914.dat
Measured: 2000/09/14
Actuator: Coil

pole 1.7298546 1.5325428
pole 7.963057 6.3141808
zero 5.984944 2.7897179
factor -9.4707802u
```

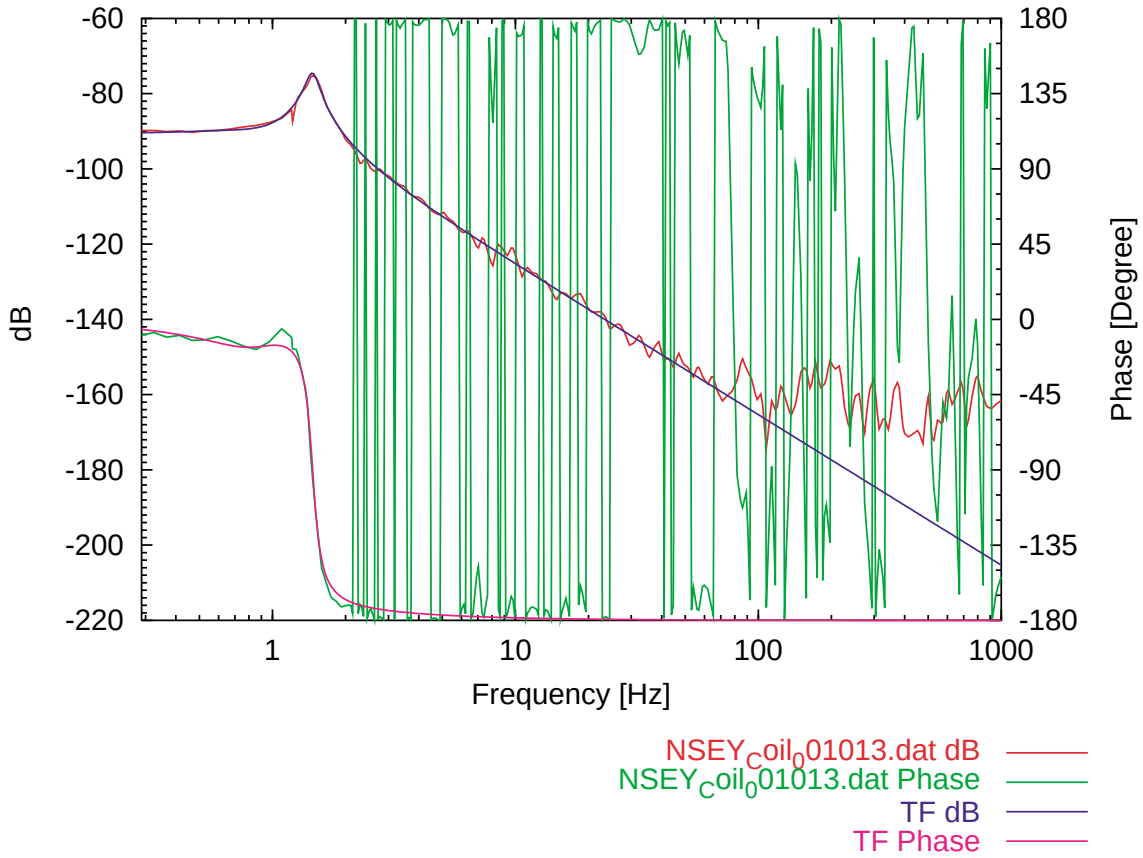
NS End Pitch PZT




```
Filename: NSEP_PZT_000914.dat
Measured: 2000/09/14
Actuator: PZT

pole 1.6511242 1.4794422
pole 7.9263065 7.1297869
factor -47.939148u
```

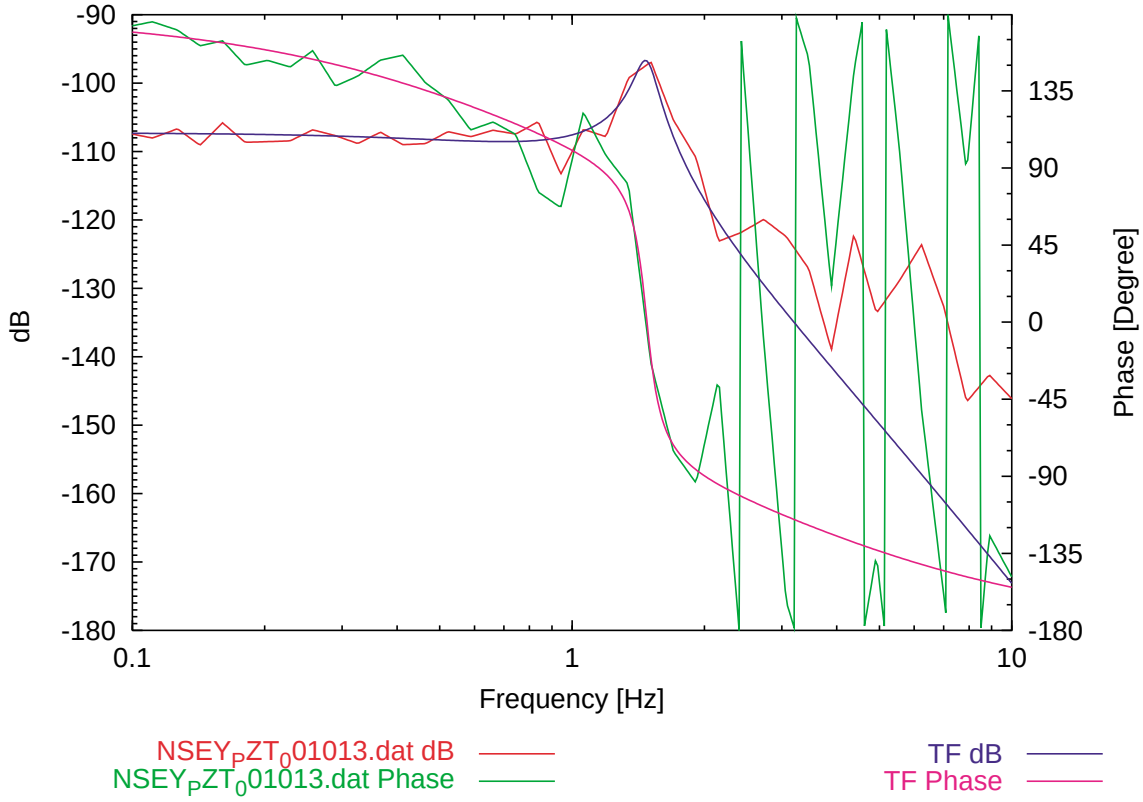
NS End Yaw Coil




```
Filename: NSEY_Coil_001013.dat
Measured: 2000/10/13
Actuator: Coil

pole 864.46109m 1.0067575
pole 1.4616628 8.1807808
zero 930.75797m 1.2056586
factor 29.375552u
```

NS End Yaw PZT




```
Filename: NSEY_PZT_001013.dat
Measured: 2000/10/13
Actuator: PZT

pole 1.4773925 8.9488658
pole 1.5646358 355.78088m
factor -4.329794u
```