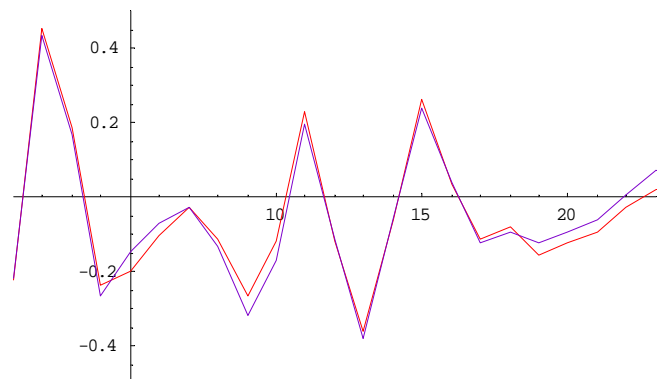
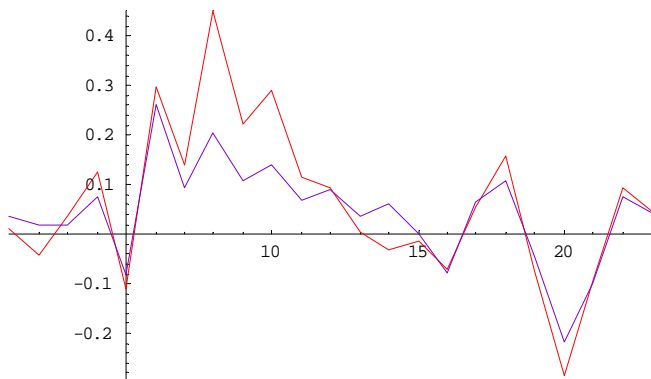
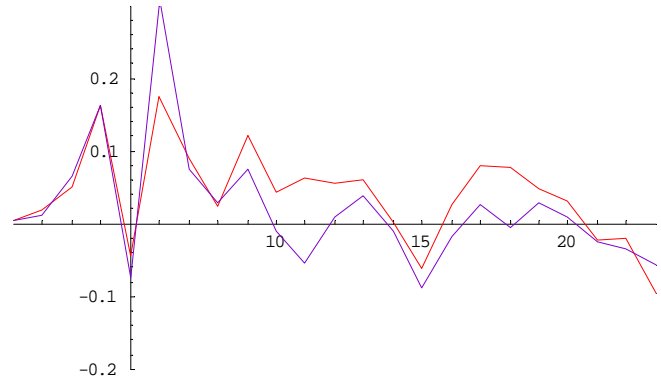
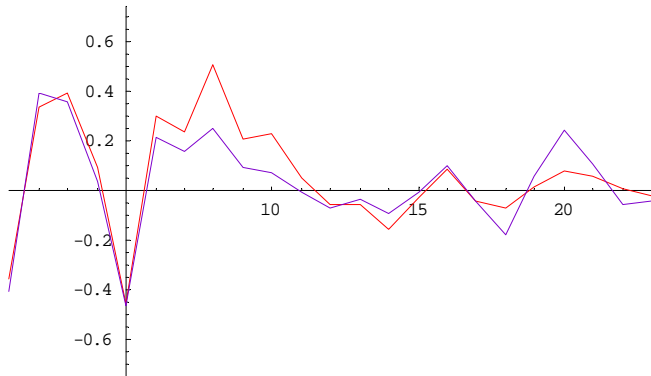


State of Adiabatic Damping 10/20/05

IPM1I02 to IPM0R07 in Injector

All plots show X & Y components of X PZT in row 1, and the same of Y PZT in row 2 in mm.

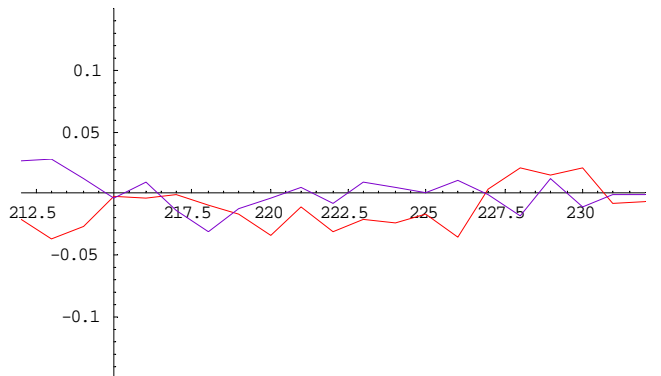
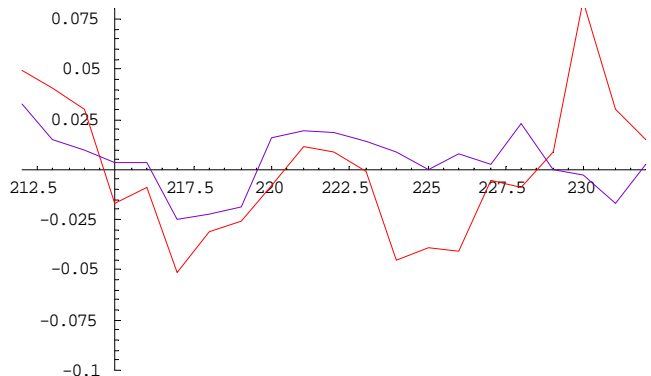
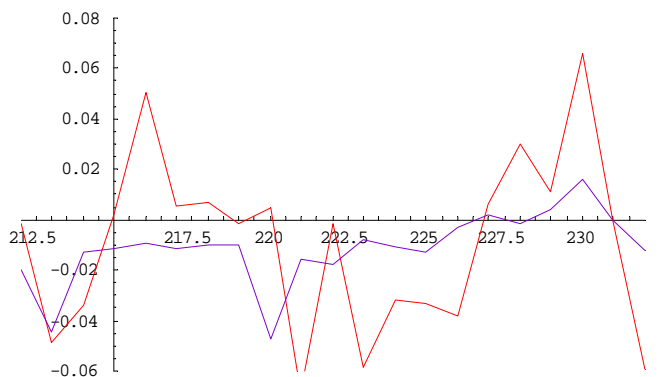
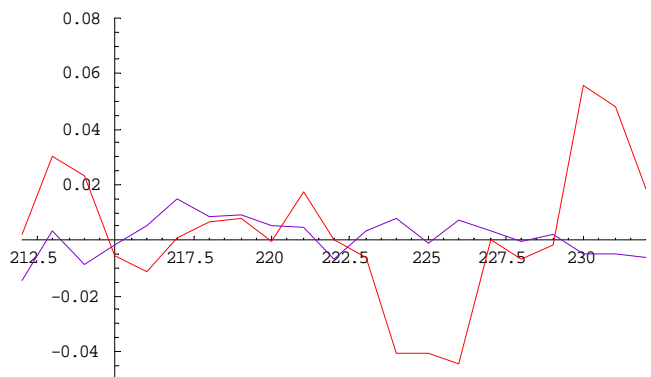
Red: 10/20 data (Now); Blue: 10/14 data (Matched Solution)



IPM1C01 to IPM1H04B in Hall A

All plots show X & Y components of X PZT in row 1, and the same of Y PZT in row 2 in mm.

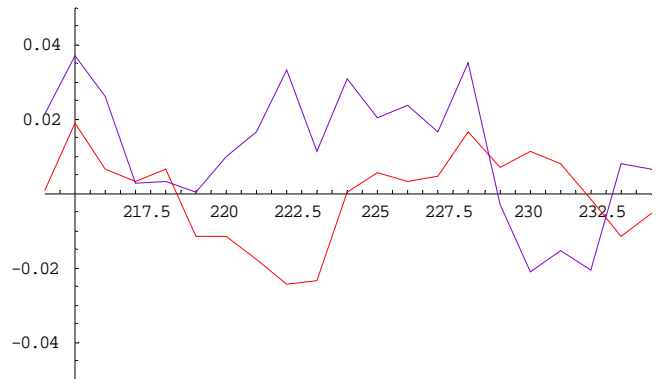
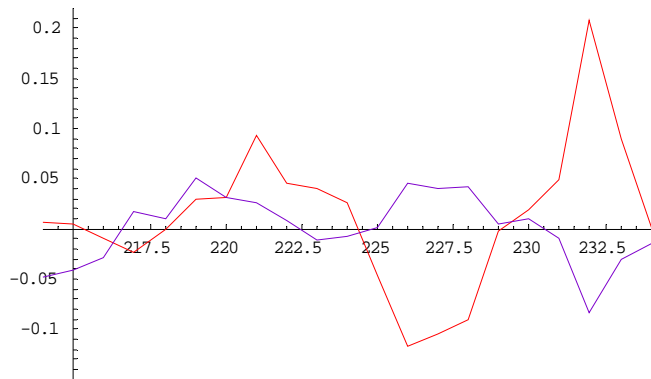
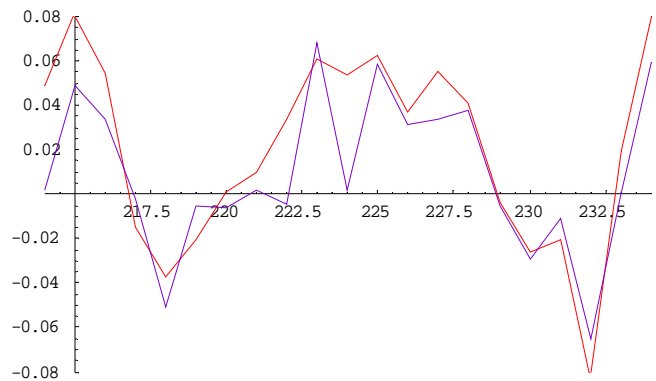
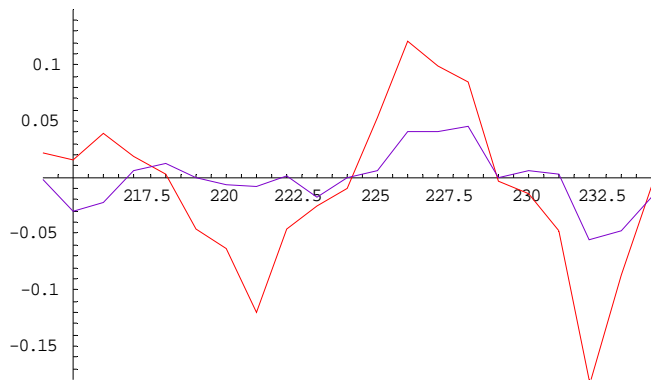
Red: 10/20 data (Now); Blue: 10/14 data (Matched Solution)



IPM1C01 to IPM1H04B in Hall A

All plots show X & Y components of X PZT in row 1, and the same of Y PZT in row 2 in mm.

Red: 08/04 data (Helium); Blue: 10/19 data (Now)



- The deviation from 10/14 worsens slightly in the Injector, and more visibly in Hall A, although still not quite as bad as helium run. I am waiting for update on Hapex data.
- On the positive side, if Hapex data corroborates what we are seeing here, it would be strong argument that PZT **is** the signal to use. It more likely than not can be used as a sufficient condition for optimizing helicity correlated orbits. We shall see soon.