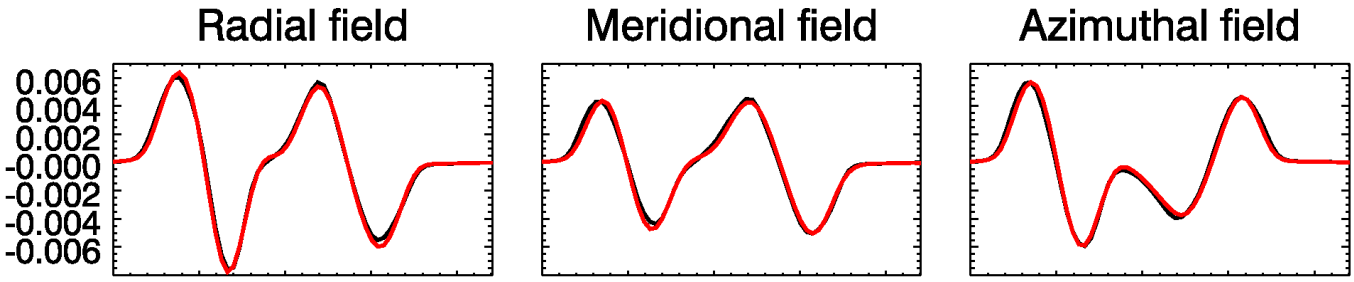
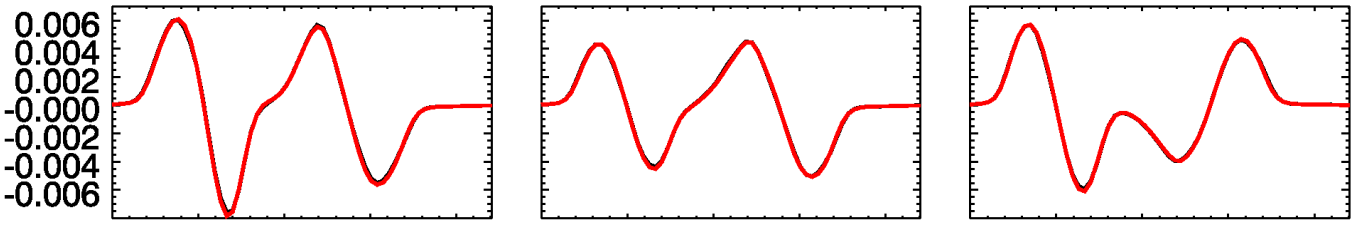
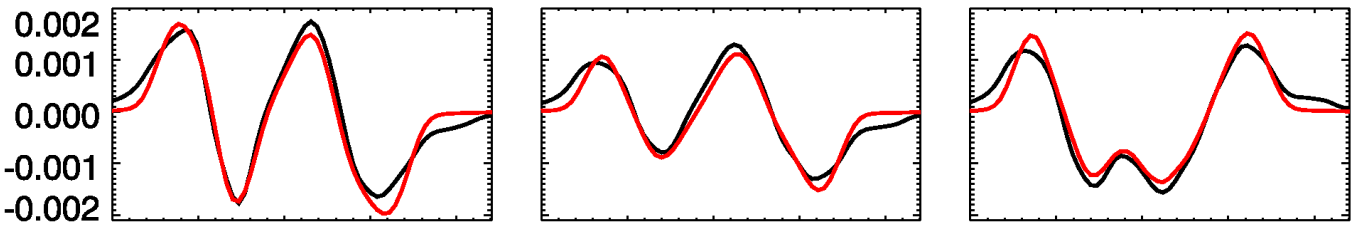


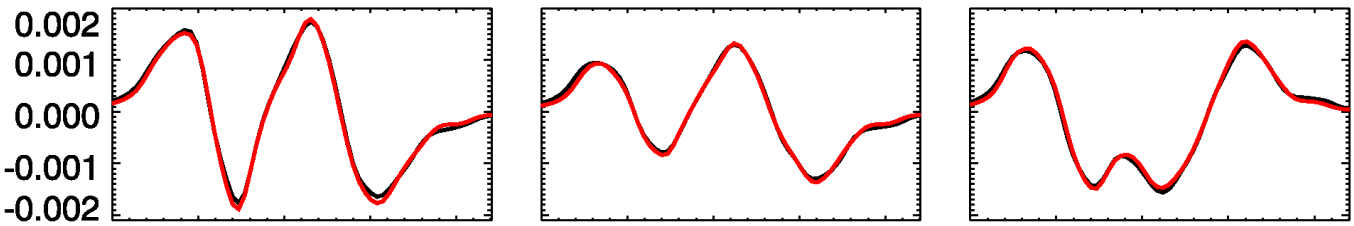
(a) Line profiles when temperature is homogeneous and only Stokes V is used for inversions.



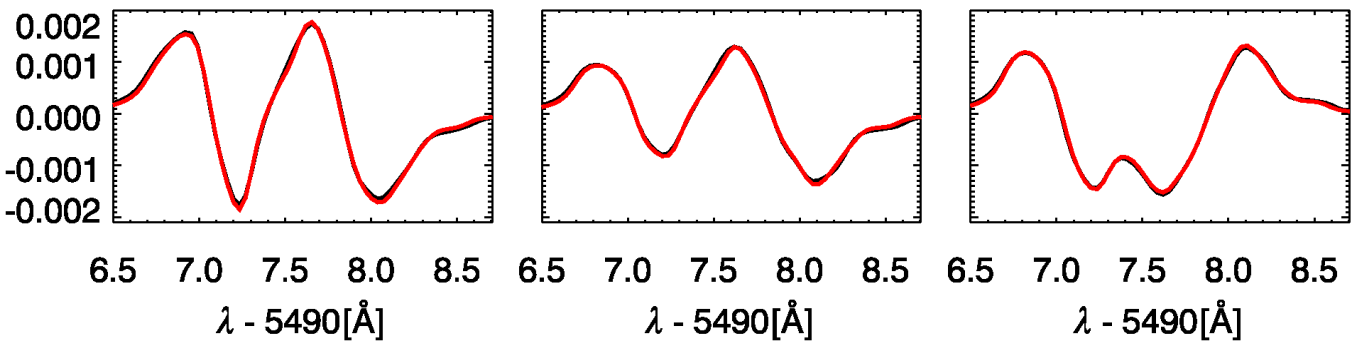
(b) Line profiles when temperature is homogeneous and both Stokes I and V are used for inversions.



(c) Line profiles when temperature is inhomogeneous and only Stokes V is used for inversions.



(d) Line profiles when temperature is inhomogeneous and both Stokes I and V are used for inversions.



(e) Line profiles when temperature is inhomogeneous and all four Stokes parameters are used for inversions.