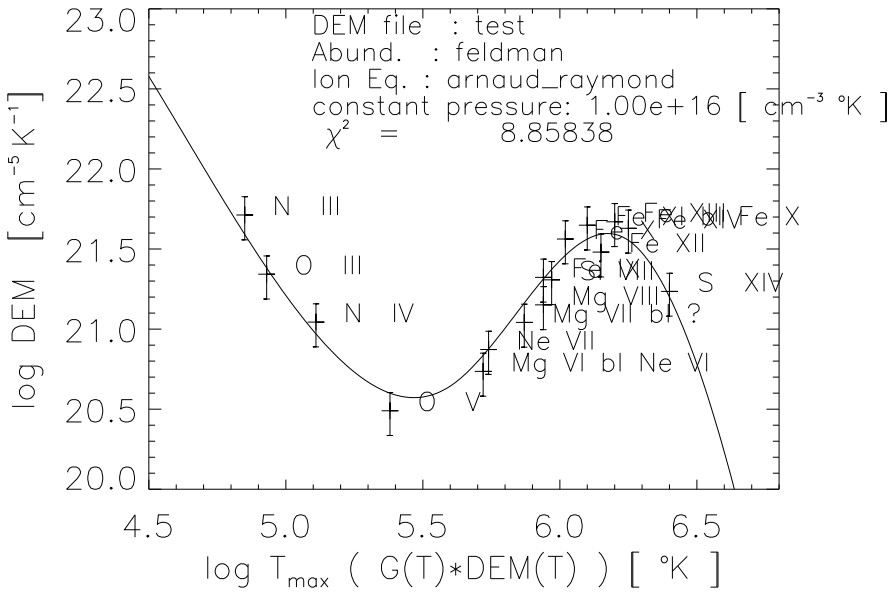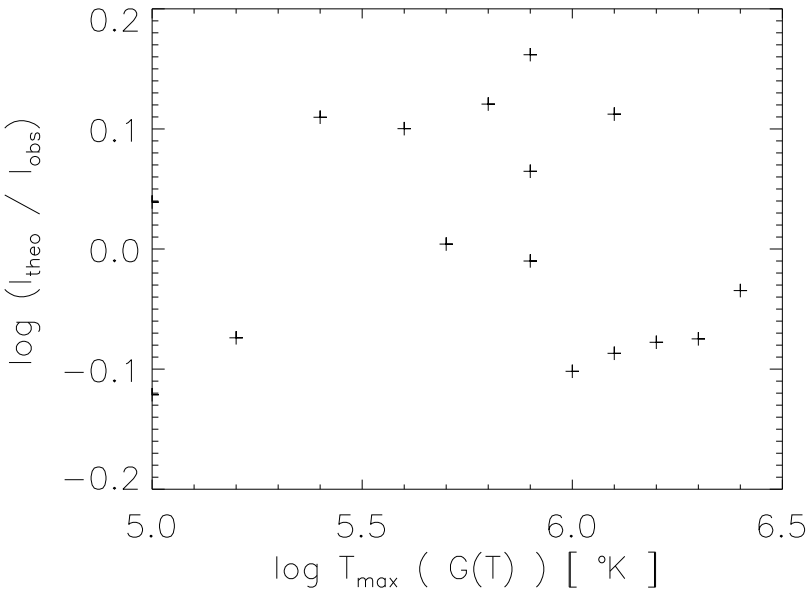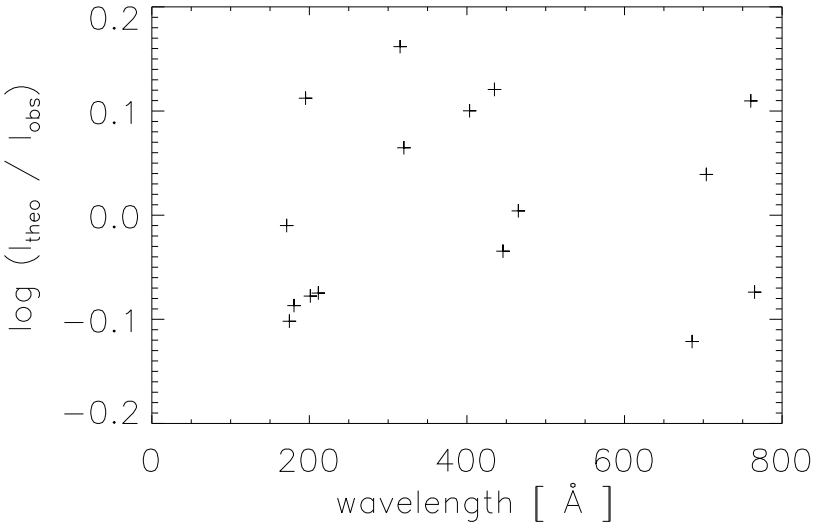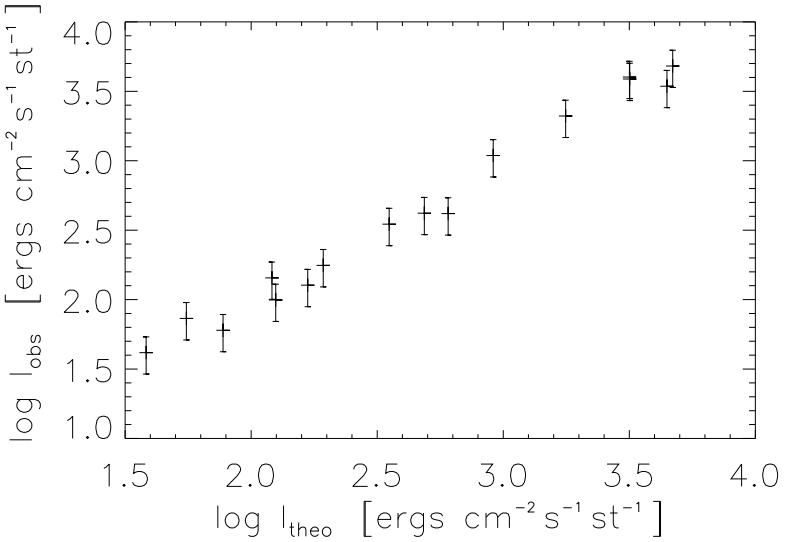CHIANTI SPECTRAL CODE AND INVERSION TECHNIQUE