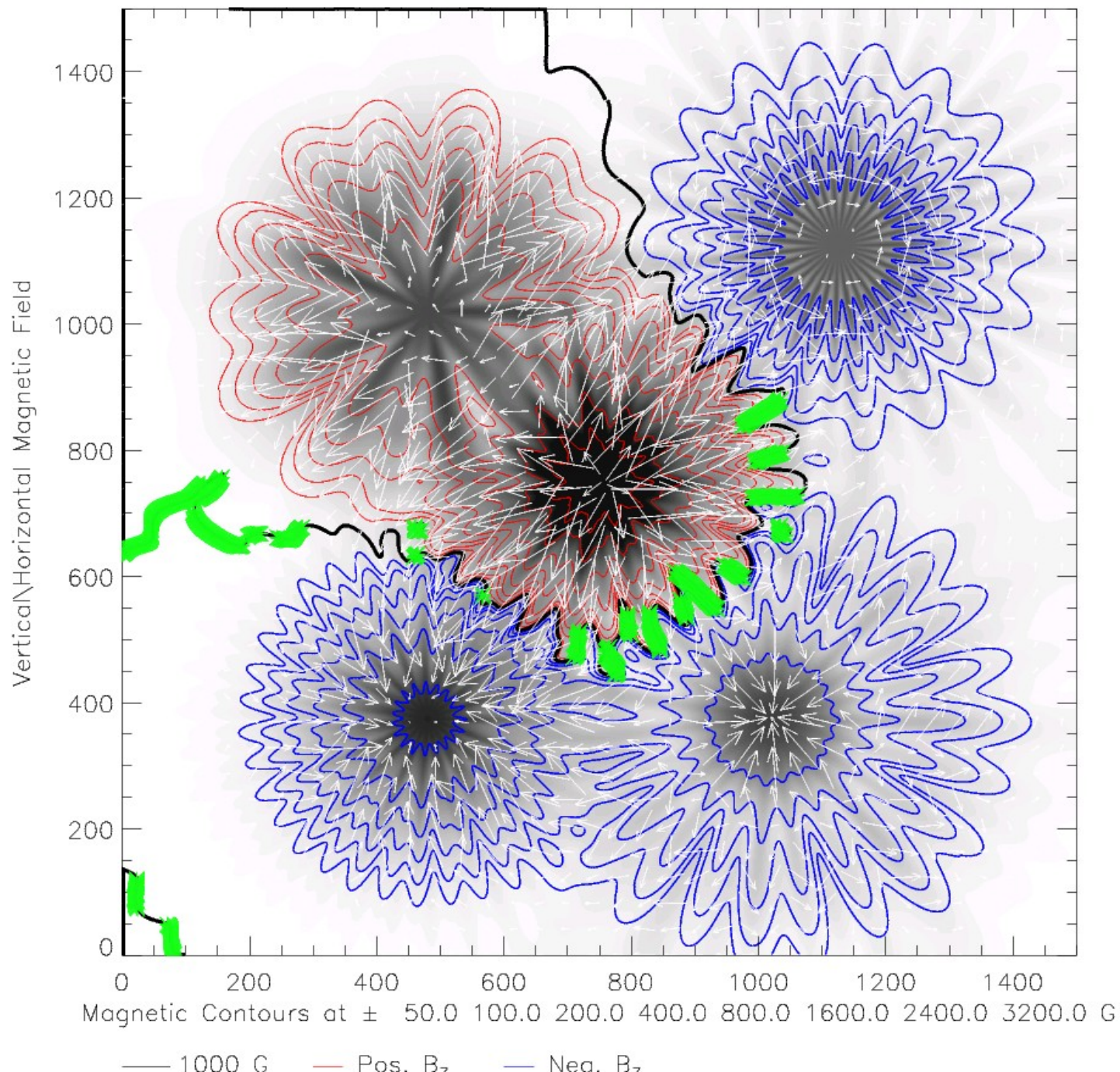


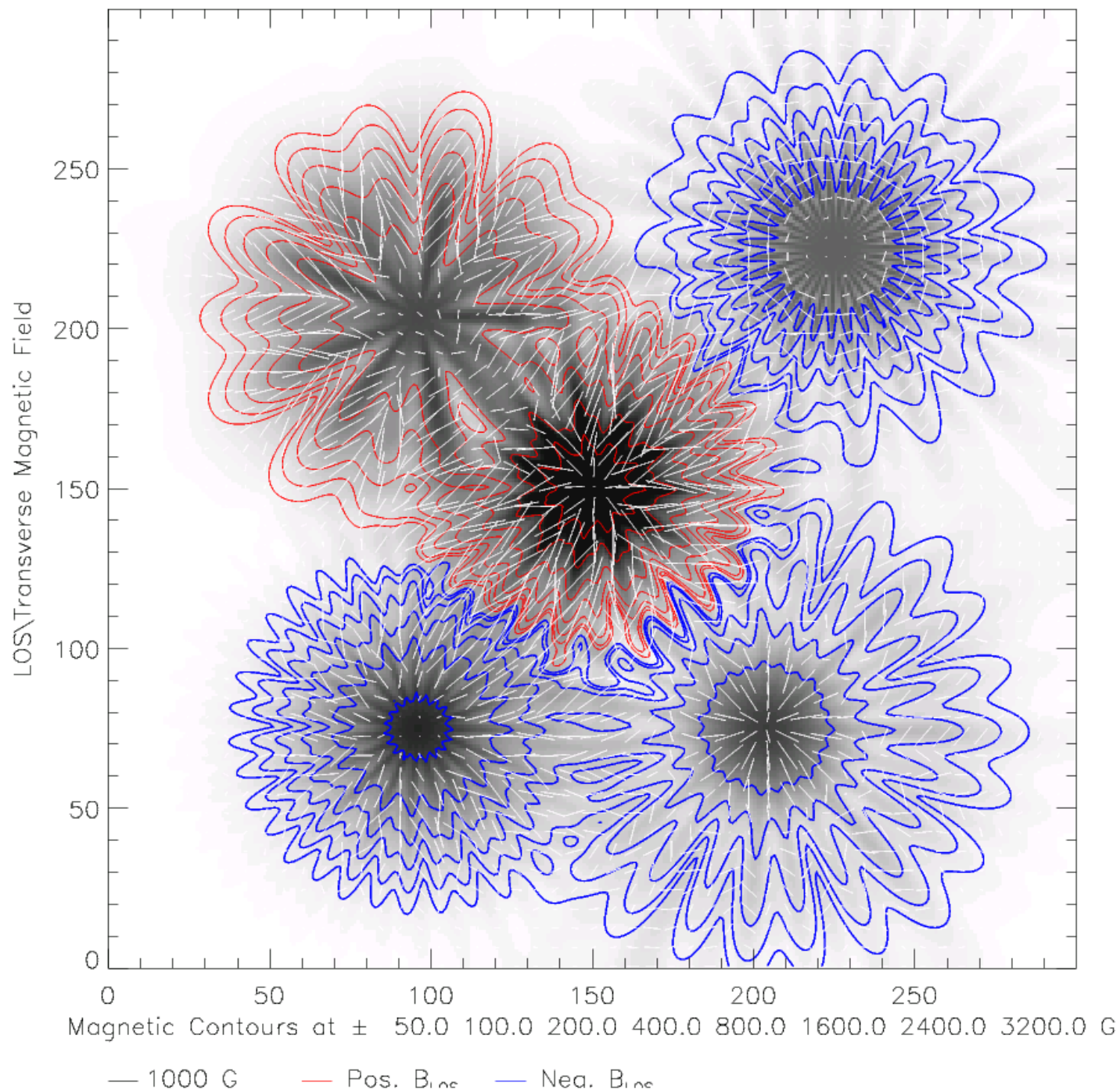
Binning the Model Magnetograms

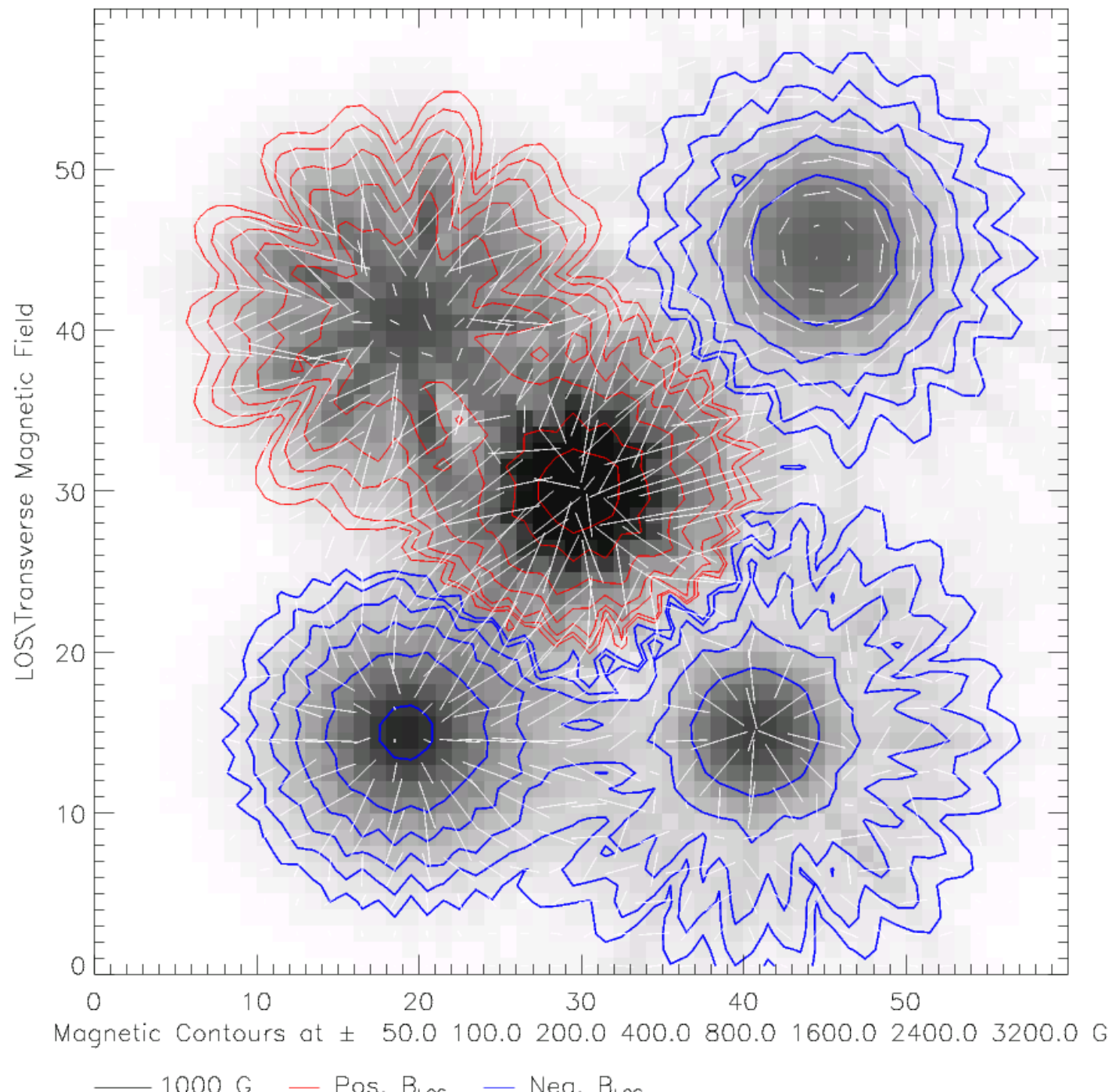
- The model magnetograms were binned with a method similar to the noise addition to simulate how an instrument would see unresolved structure.
- At each full-res pixel, the model field was used to generate ideal Unno-Rachkovsky Stokes profiles (Milne-Eddington). As with the noise added case, the 6302.5 spectral line was assumed with a 30mÅ instrument spectral width.
- No noise was added, but the continuum level varied from quiet sun to sunspot. $I_c = 1 - 0.9 \min(\sqrt{B_z^2 + 0.2B_h^2}, 2\text{kG}) / 2\text{kG}$
- The Stokes profiles were summed over the macro pixels and inverted.

Flowers 8 Model

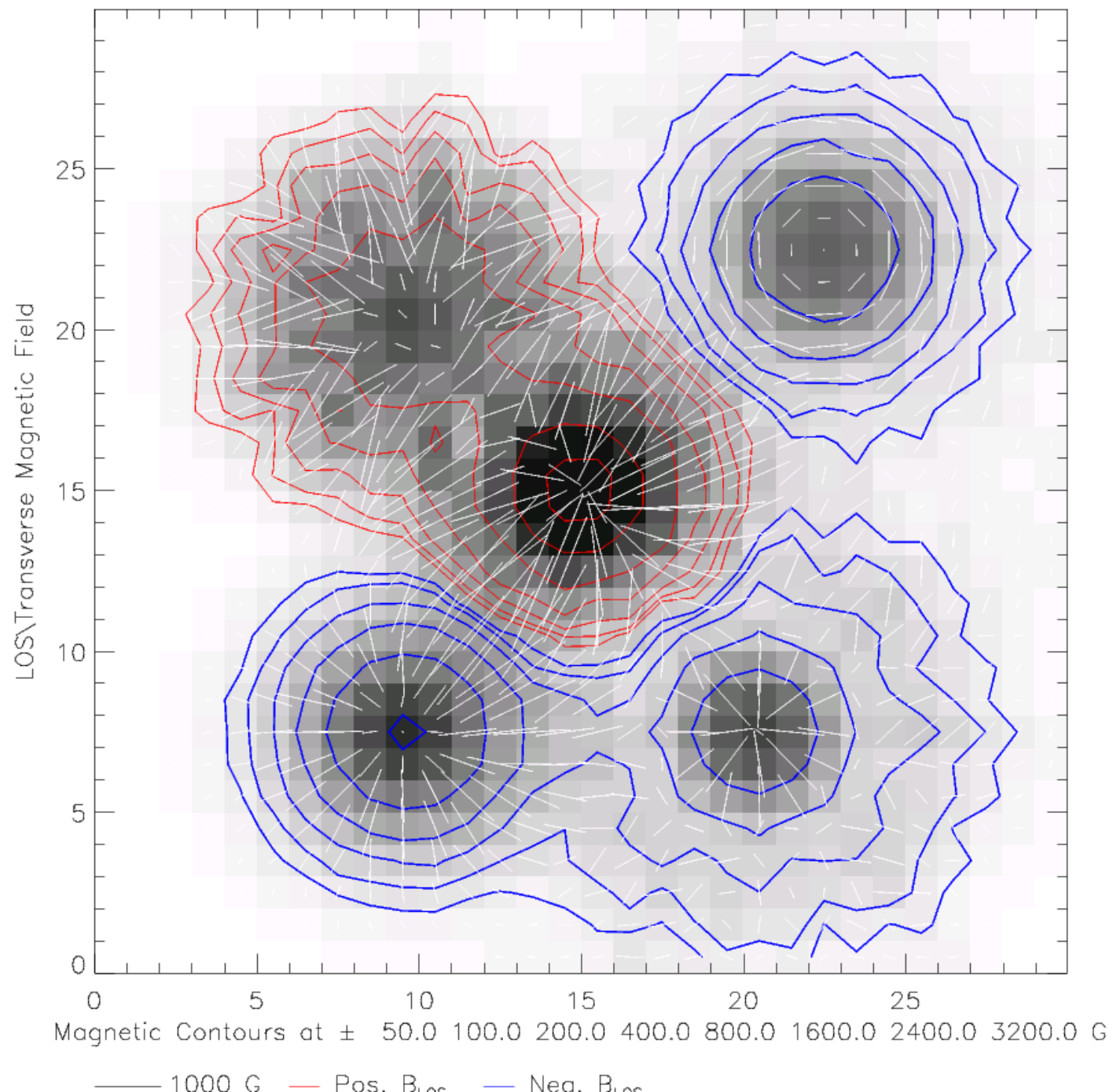


Flowers 8 Bin 5

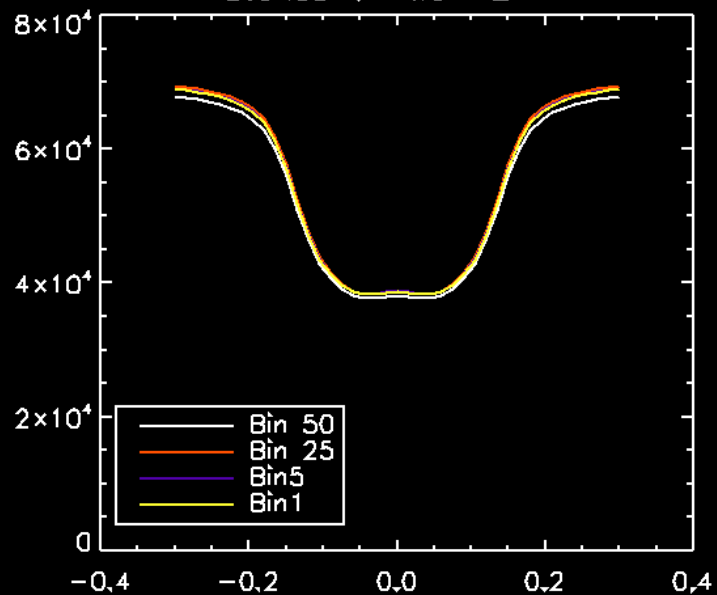




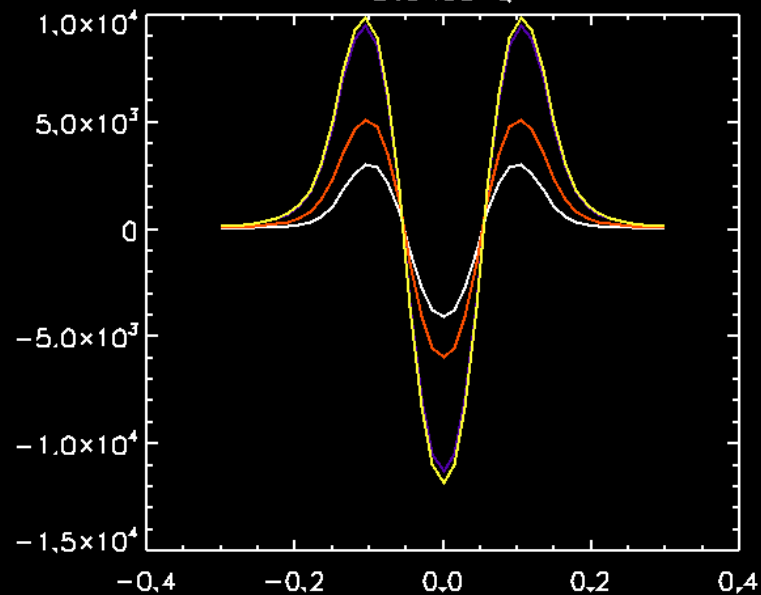
Flowers 8 Bin 50



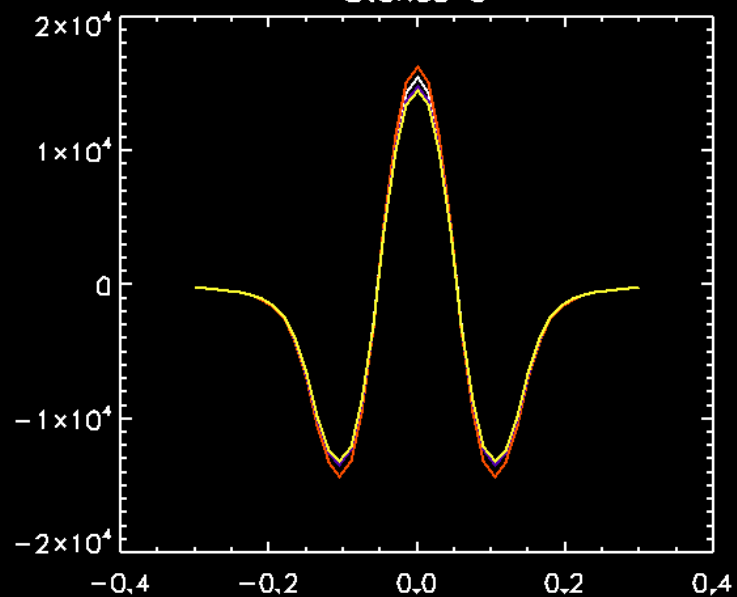
Stokes I: Pixel 12 11



Stokes Q



Stokes U



Stokes V

