

Exercise 2:

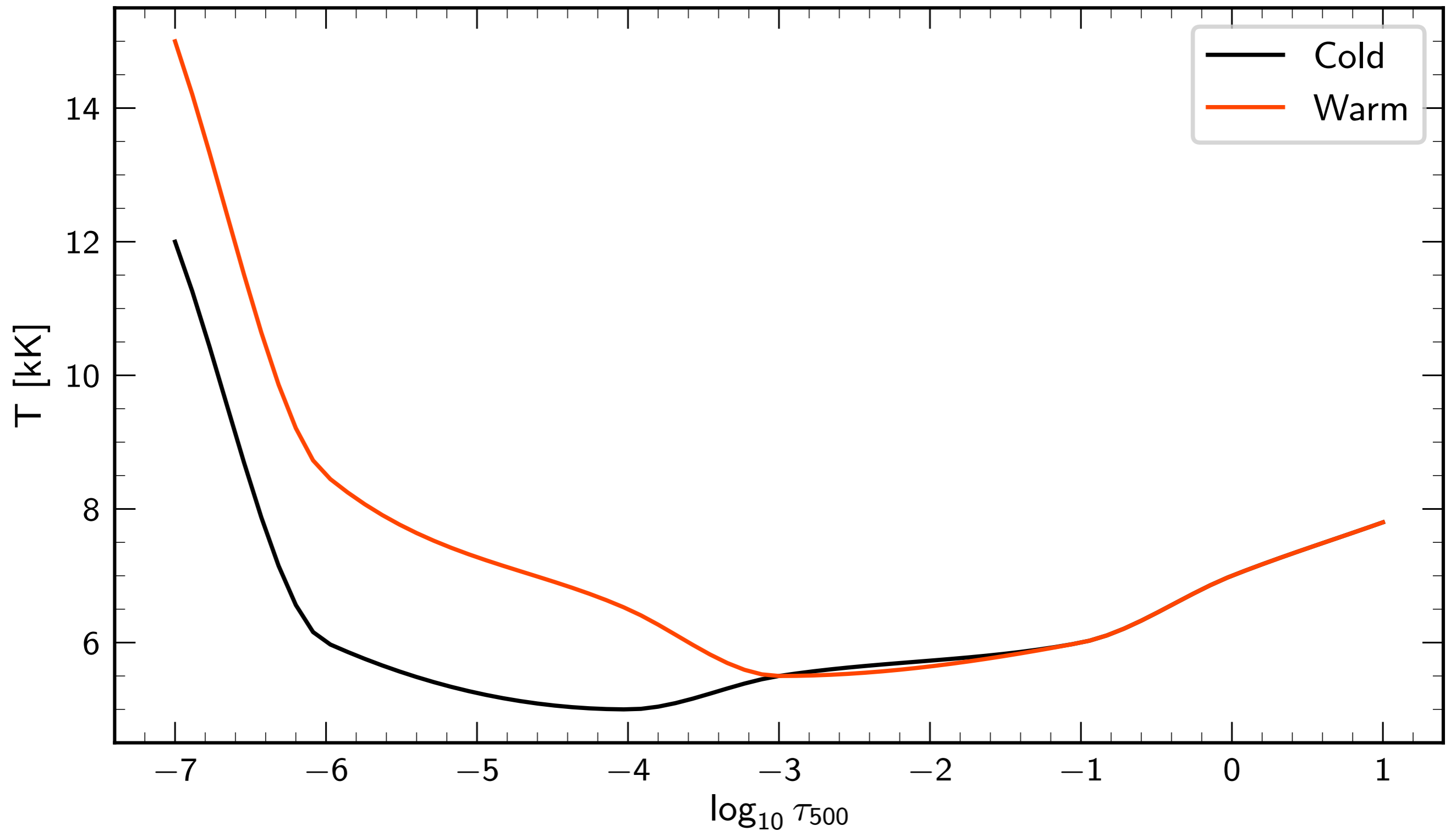
source function gradient effect



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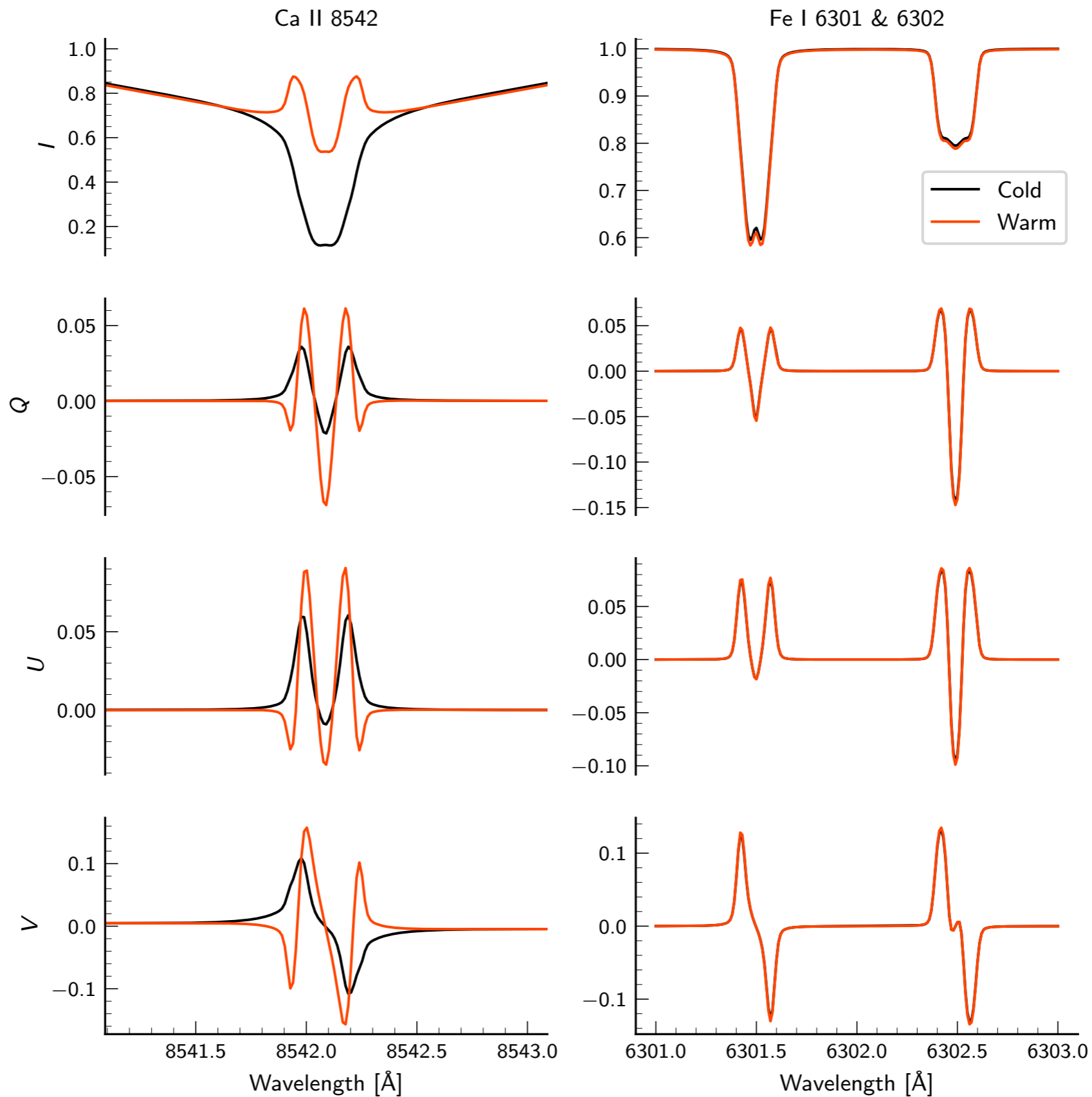
The effect of the gradient of the source function

Toy models (totally hand-made): `> python generate_toy_models.py`

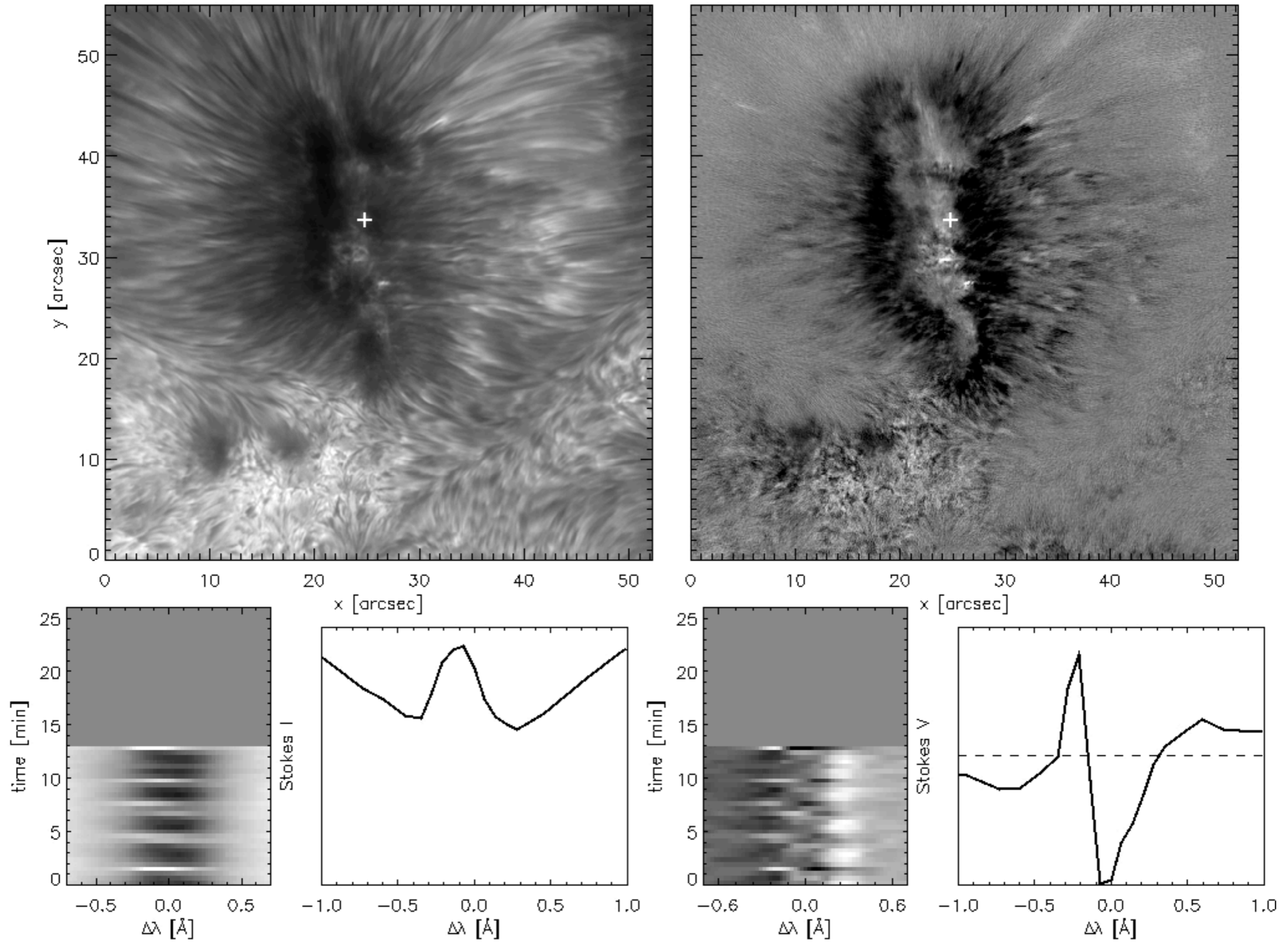


The effect of the gradient of the source function

Plot your results: `> python plot_results.py`

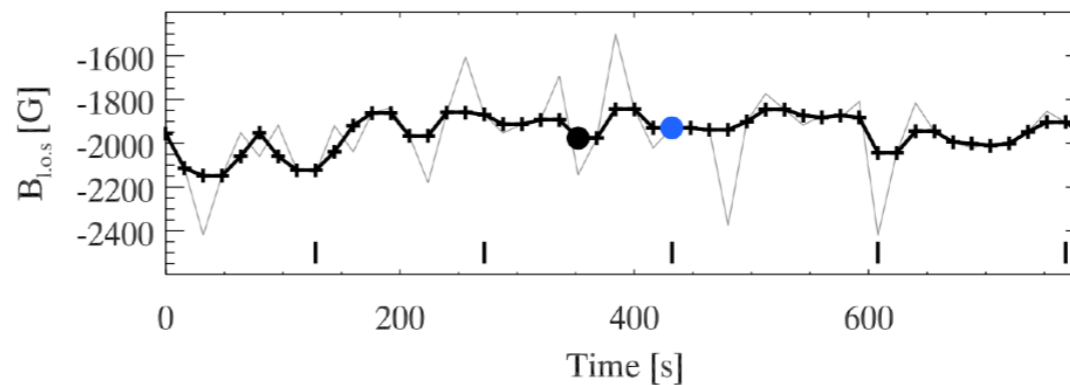
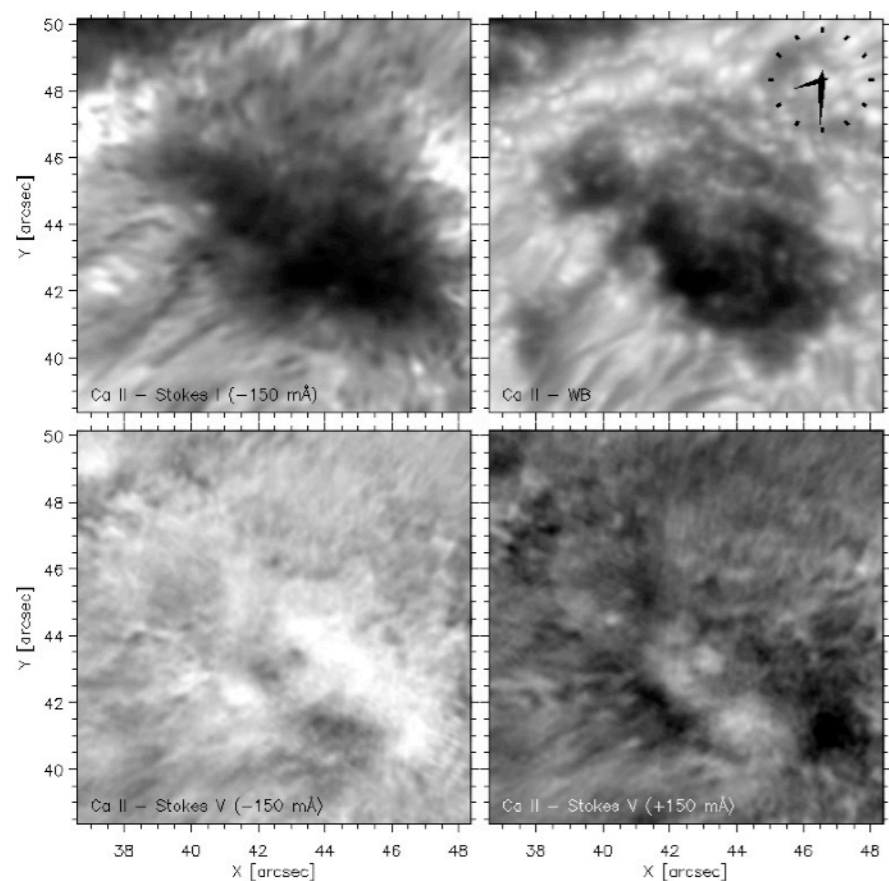
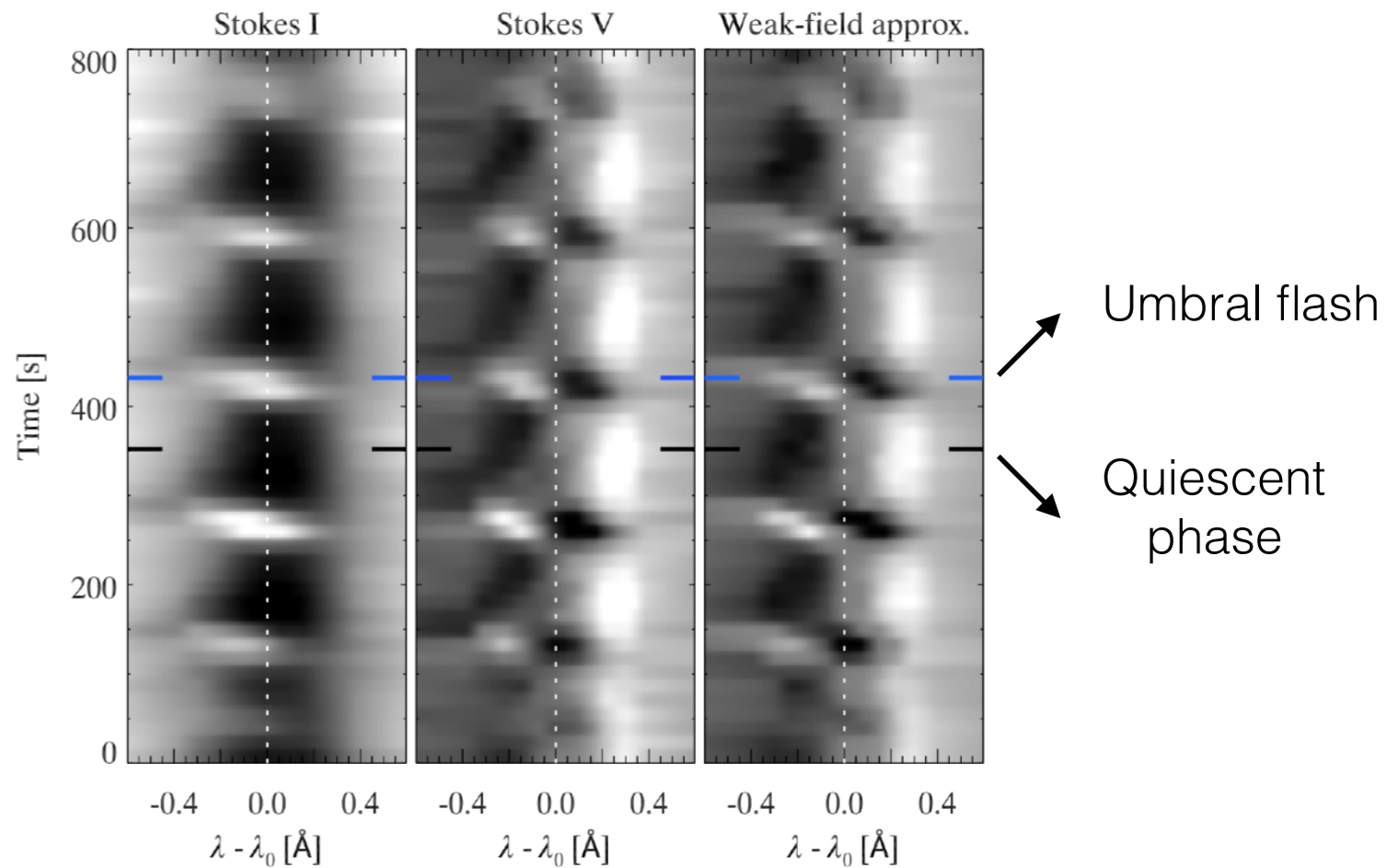
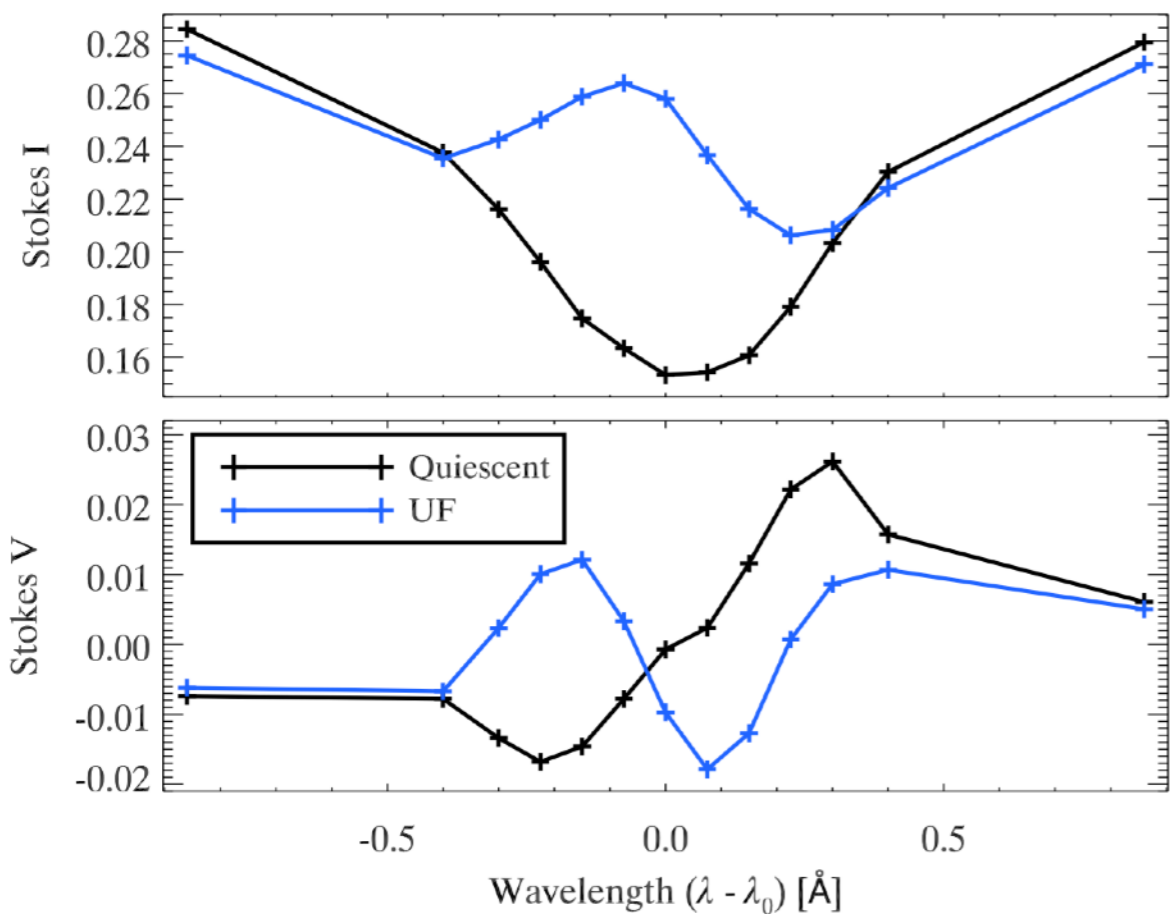


The effect of the gradient of the source function



The effect of the gradient of the source function

de la Cruz Rodríguez et al. (2013)



Summary

Two ideas:

In model 2, the source function goes up with temperature and then it de-couples.

This effect induces a polarity change in Stokes V, not the magnetic field.