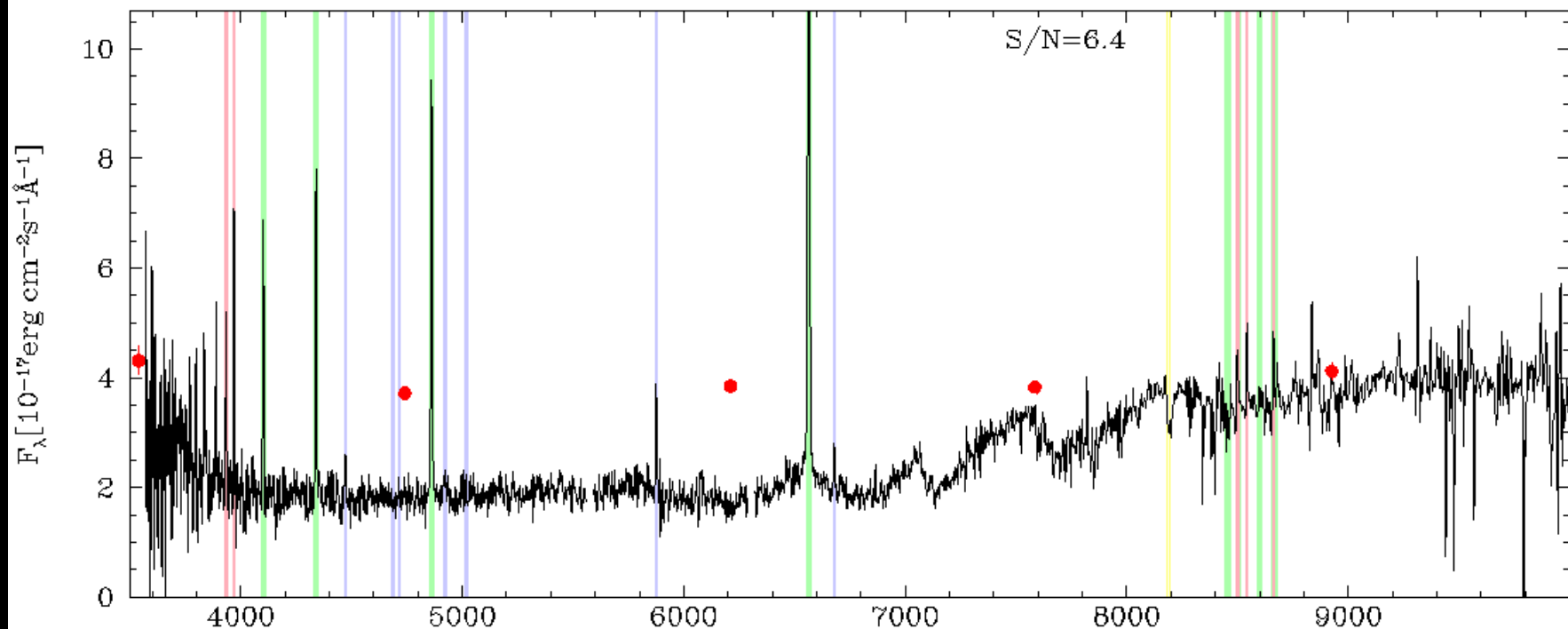
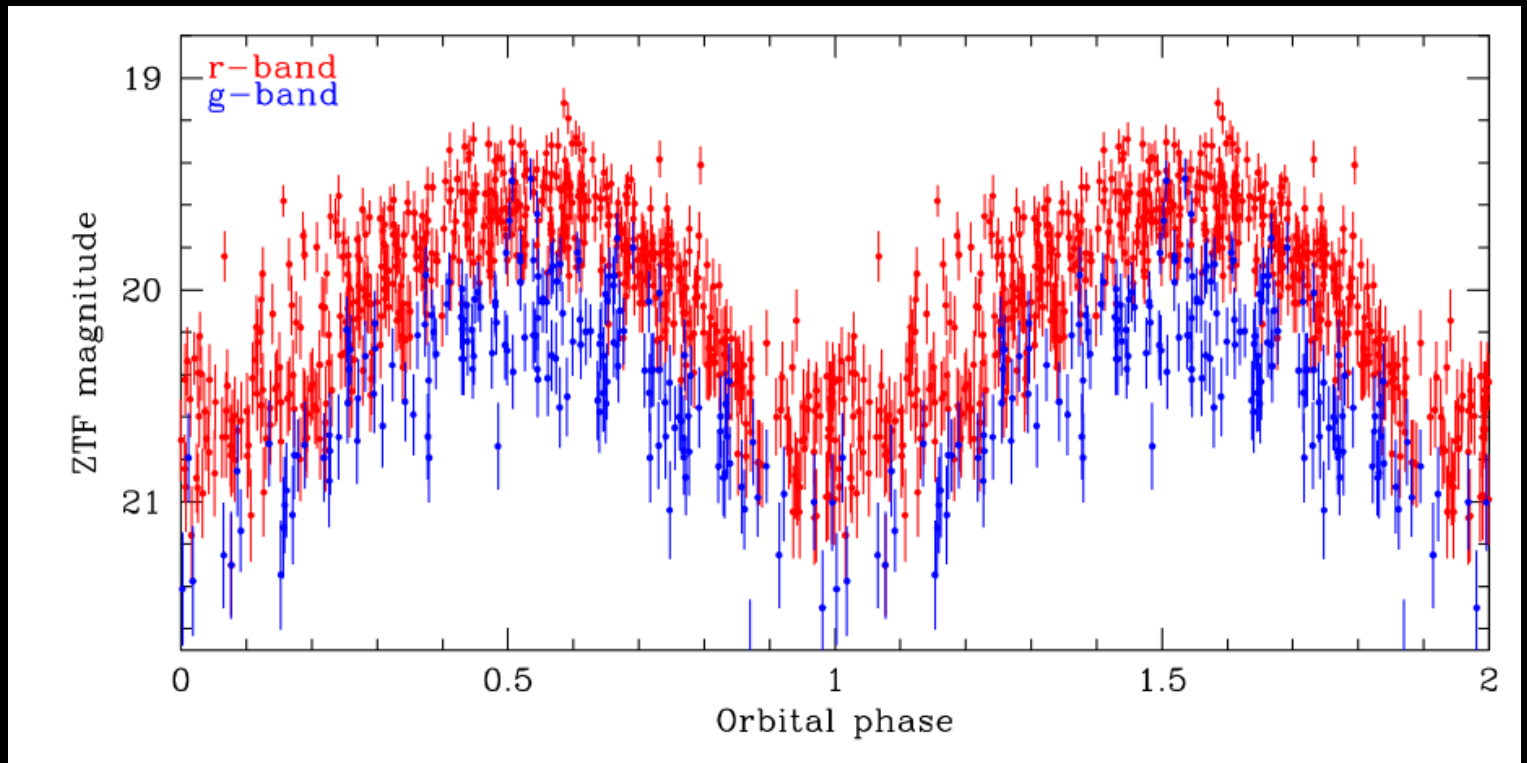


Inight et al. in prep: >500 CVs with SDSS (I-IV) spectra

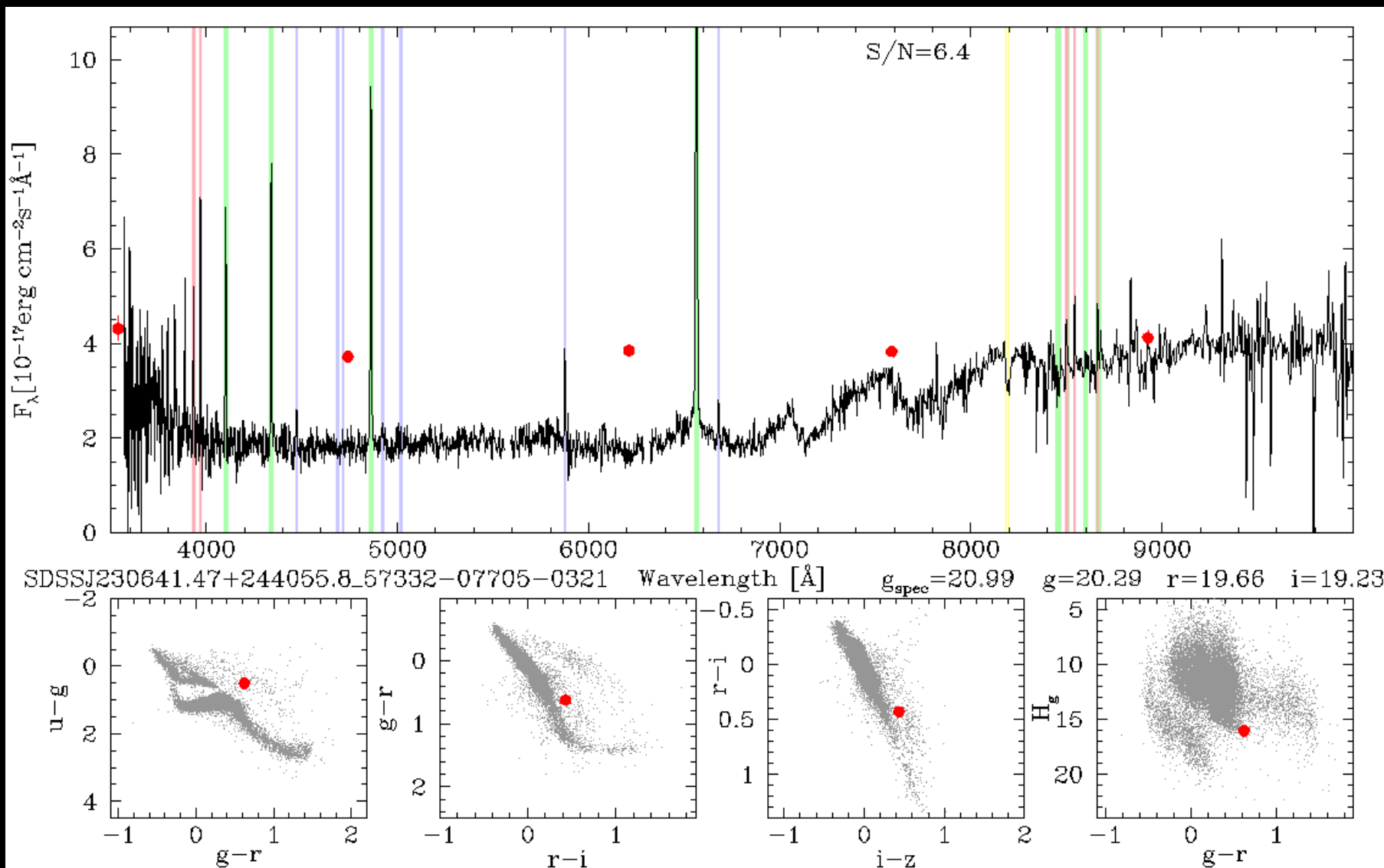


This looks very suspicious, the emission lines are too narrow, and the Helium lines are much narrower than the Balmer lines. The paper you reference classify this as an eclipsing contact binary. The phase-folded ZTF light curve looks like that of a contact binary. I don't think we should keep this object in this table.

Inight et al. in prep: >500 CVs with SDSS (I-IV) spectra



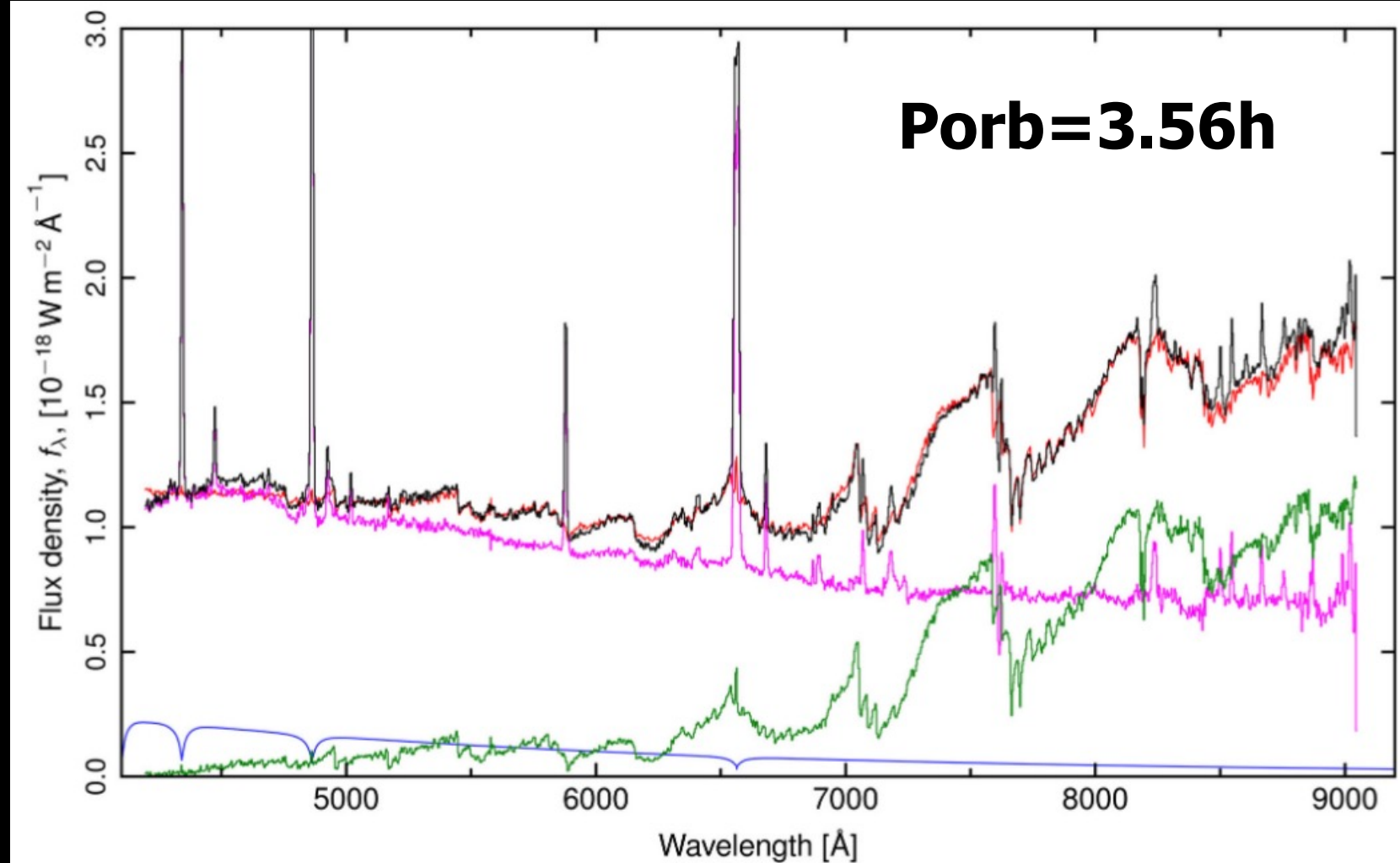
ZTF: $P_{\text{orb}}=3.49\text{h}$



Inight et al. in prep: >500 CVs with SDSS (I-IV) spectra

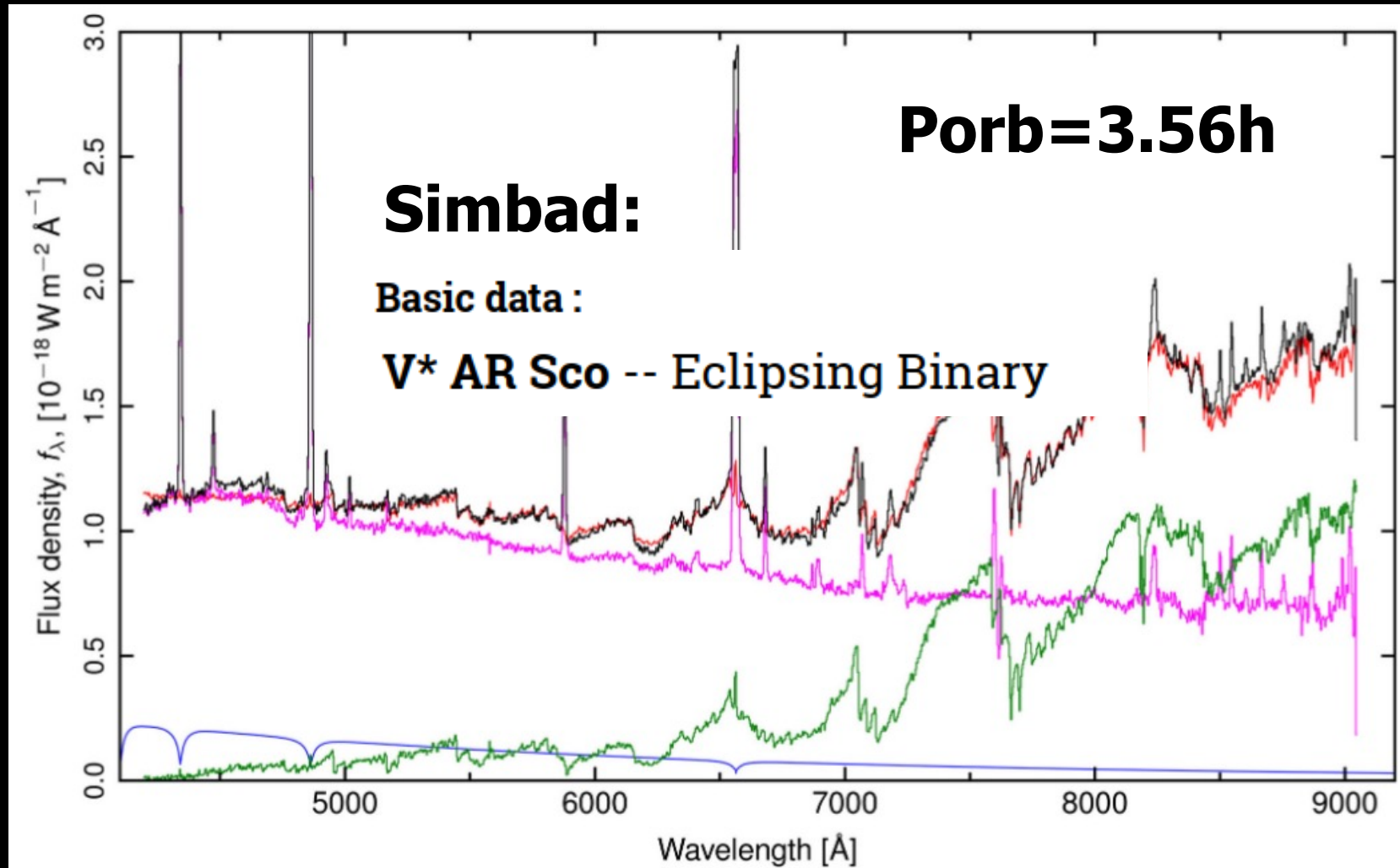
Hmm... AR Sco, the "radio pulsar"

Porb=3.56h



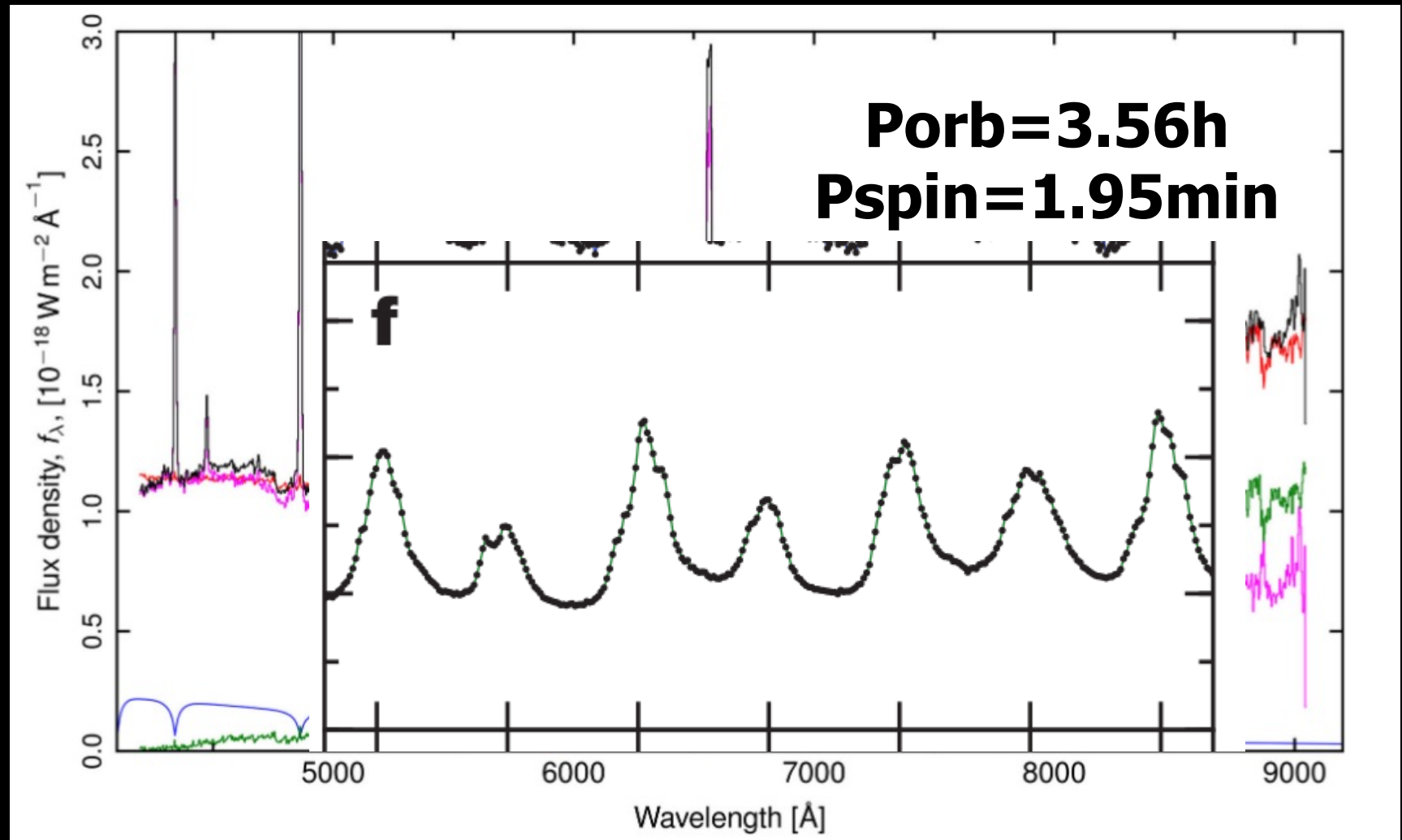
Marsh et al. 2016, Nature 537, 374

Hmm... AR Sco, the "radio pulsar"



Marsh et al. 2016, Nature 537, 374

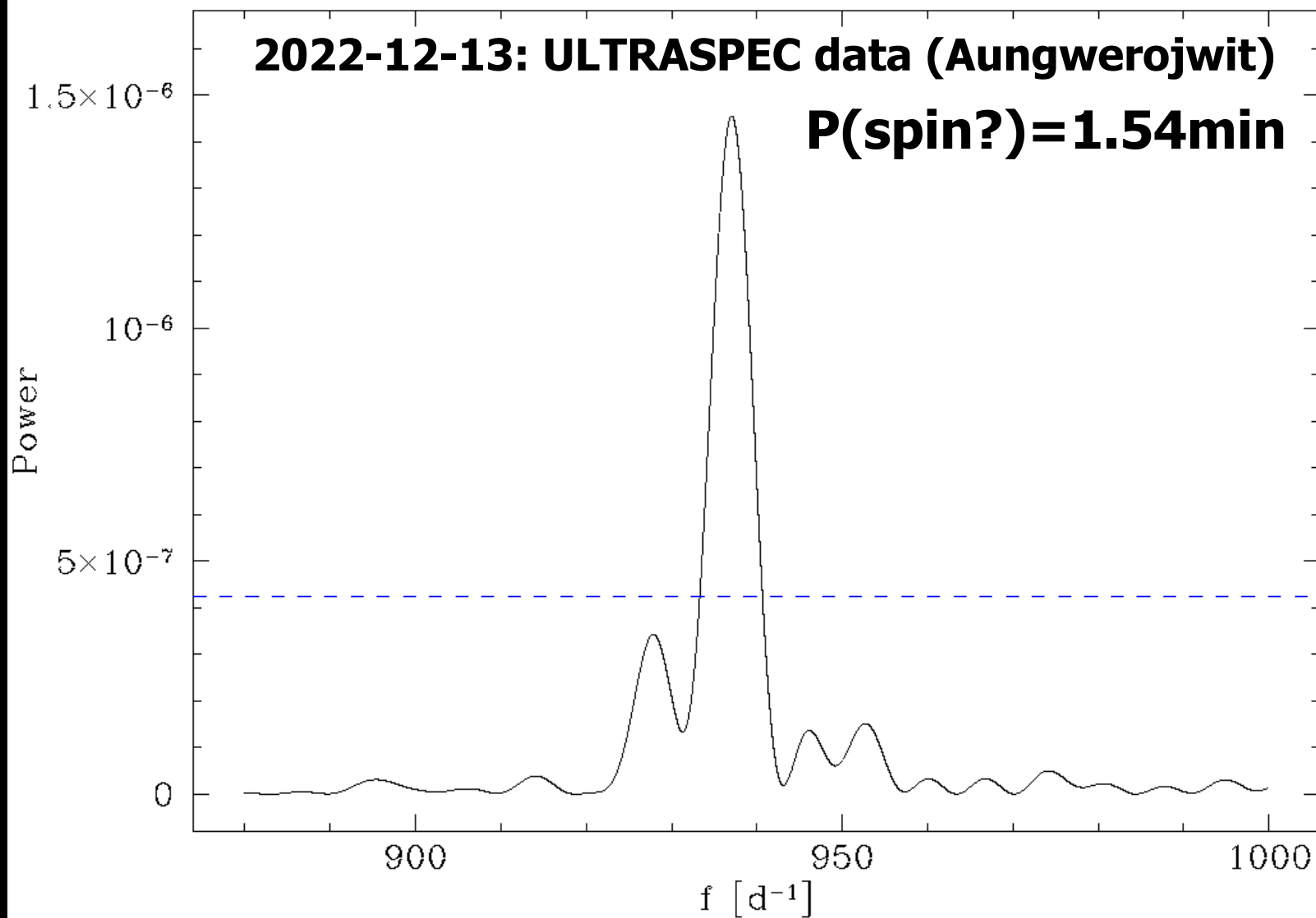
Hmm... AR Sco, the "radio pulsar"



Marsh et al. 2016, Nature 537, 374

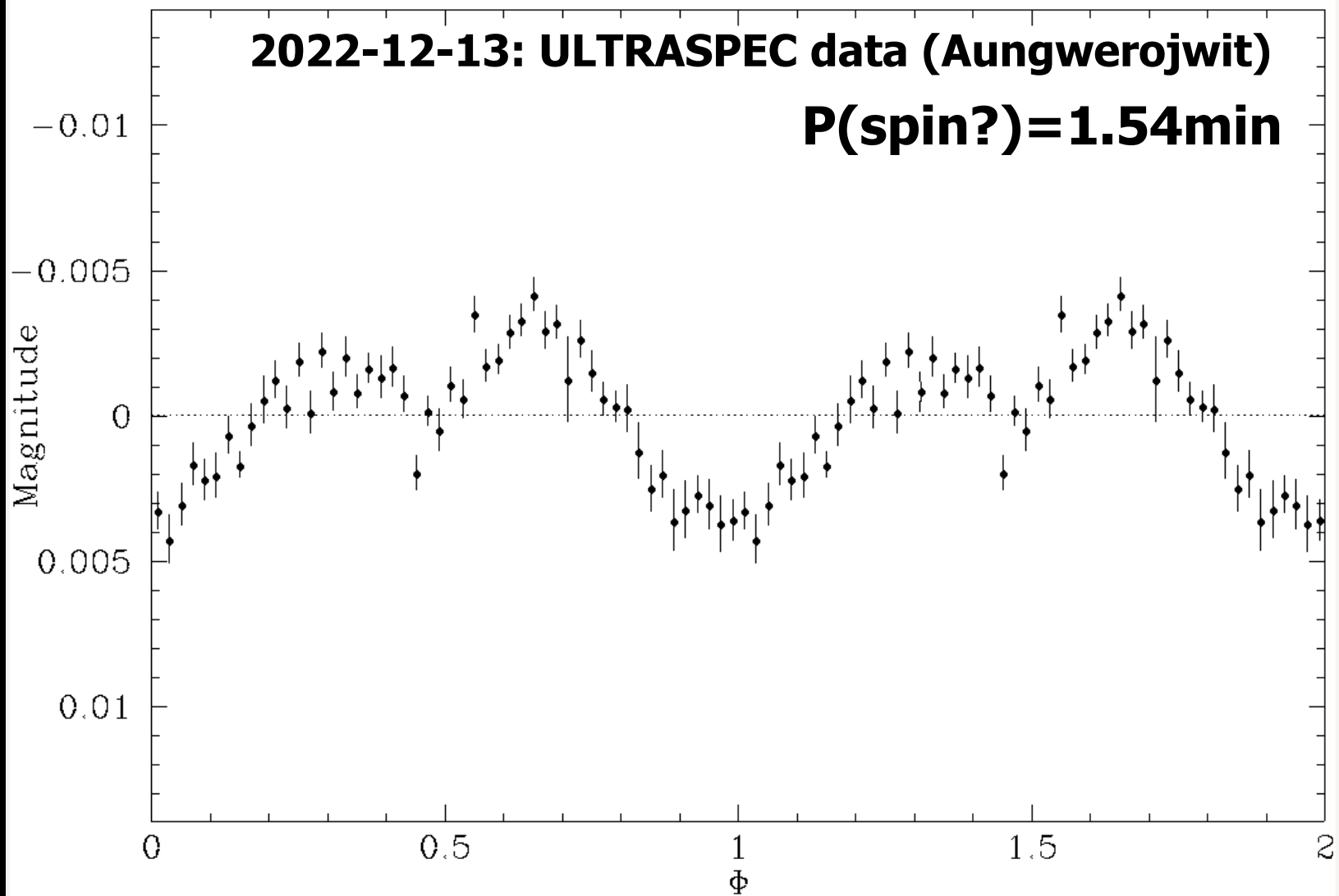
2022-12-13: ULTRASPEC data (Aungwerojwit)

P(spin?)=1.54min



2022-12-13: ULTRASPEC data (Aungwerojwit)

P(spin?)=1.54min



	Porb	Pspin
AR Sco	3.56h	1.95min
#3	3.49h	1.54min

Very similar optical spectra

Very close location in Gaia HRD

**But - #3 has a much lower amplitude
of the WD spin signal**

We need more (radio, X-ray) data