

Notes on: Radio data for the host galaxy of Tywin Lannister TDE

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Survey: VLASS

- New VLA survey at 3GHz
- Angular resolution: 2.5 arcsec (NVSS: 45 arcsec)
- Sensitivity: 0.15 mJy/beam (NVSS: 15 mJy/beam)

Source Region:

- Noise in this sky region is about 0.12 mJy/beam
- The only significant detection (bottom left of Tywin location, Figure 1) has a flux density of 0.88 mJy and localization:
RA 17 09 07.17960 +/- 0.009
DEC 26 51 16.0314 +/- 0.12

Errors are purely statistical, a proper estimation would be on the order of 1 arcsec.

- Survey observations for this region were made on 25-11-2017.
- **Additional notes on Fig.1**
 - The location of SDSS J170906.84+265120.5 (Tywin host) is plotted in magenta with a 2.5 arcsec radius.
 - In SDSS DR12, the source has a photometric redshift $z = 0.23 \pm 0.04$
 - The only significant detection reported above, is consistent with the second object, SDSS J170907.19+265115.7 with photometric redshift $z = 0.19 \pm 0.02$

