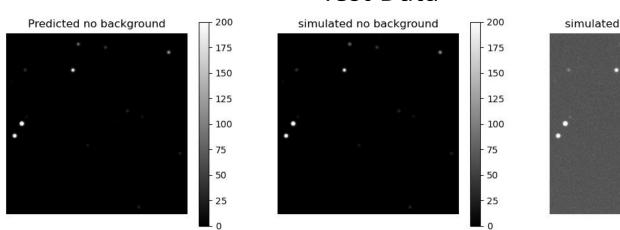
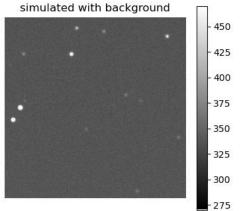
BGRem: Background noise removal for astronomical images

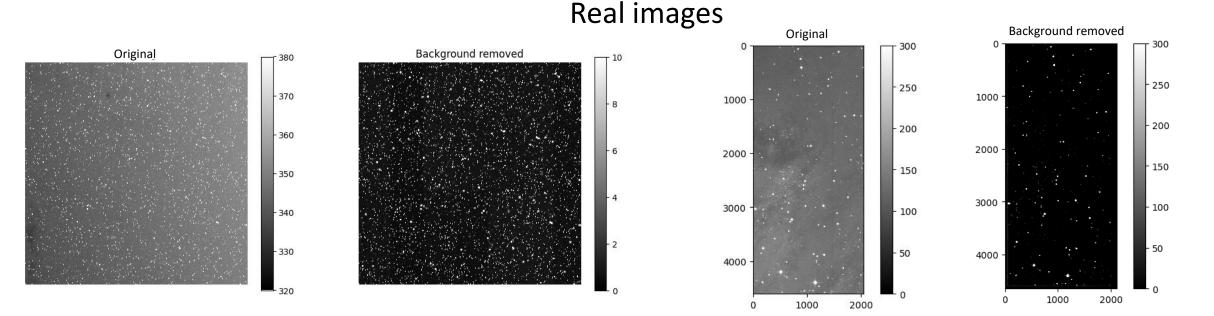


Test Data





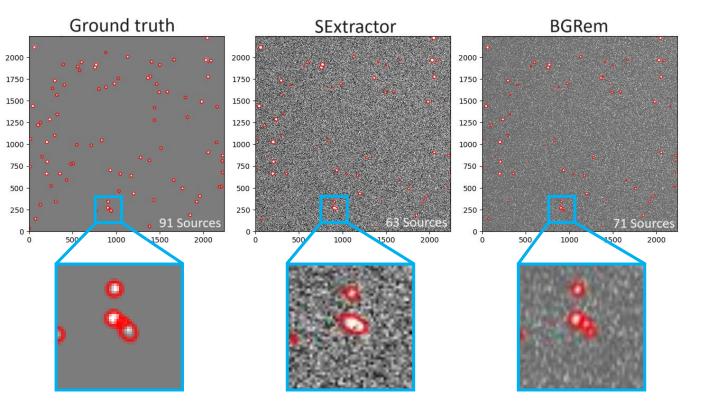
- Diffusion model with attention U-net
- Trained on simulated MeerLICHT images
- Can remove complex backgrounds



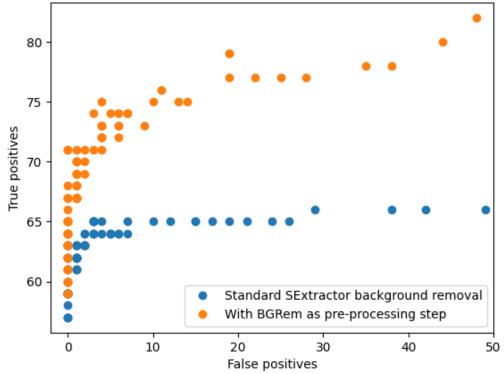
Source Localisation



- Find more sources with Sextractor
- No increase in bogus sources
- Helps distinguish sources with close proximity



Number of true sources found as a function of number of bogus sources found



Poster Thursday lunch Location 88

