

Recovering Dan's injected planets

Bekki

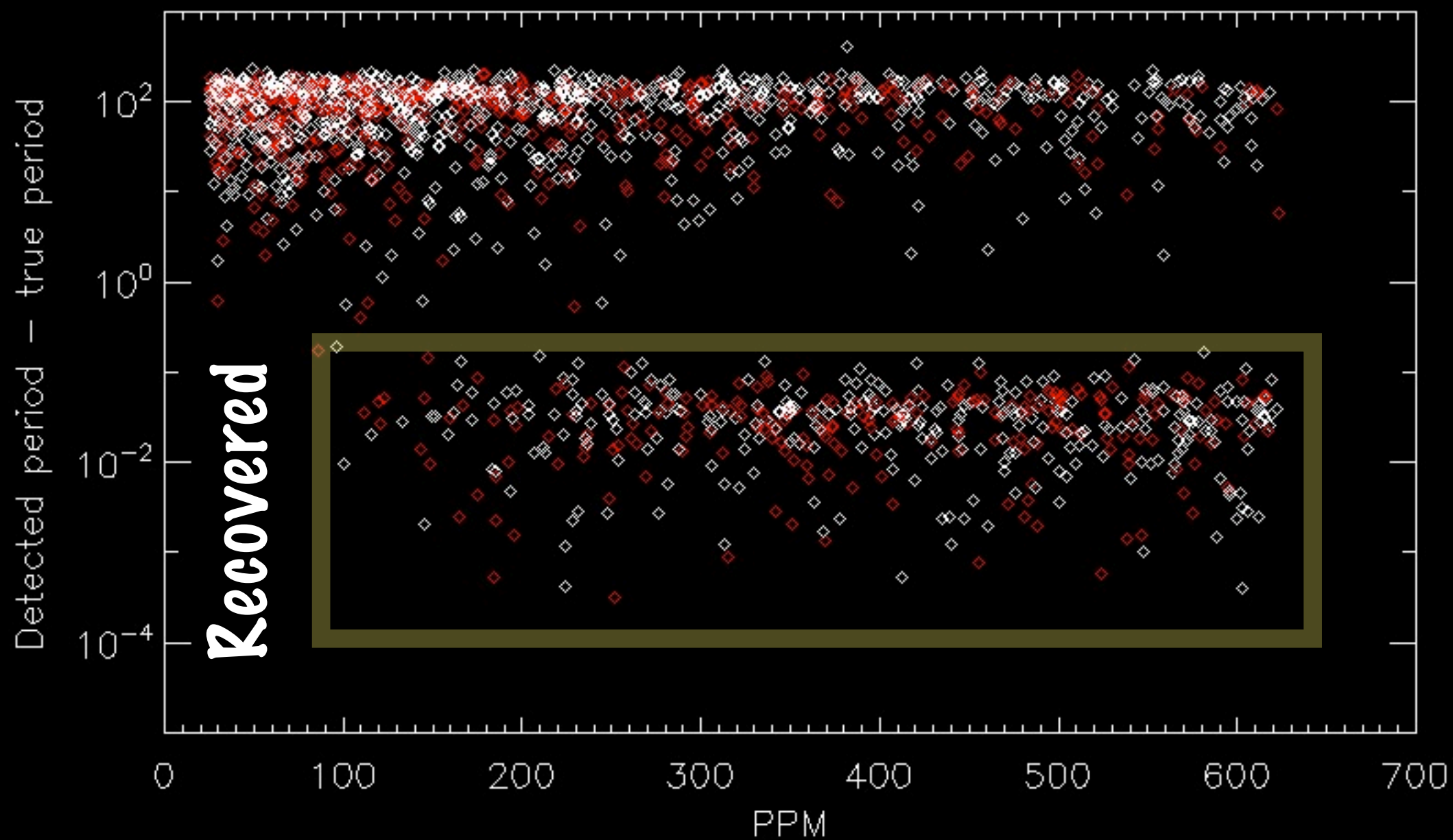
Overview

- Follow same procedure as for pound stars
- Do not search stars with known KOI or eclipsing binary
- Only compare for cases in which three or more transits occurred not in gaps
- 1910 comparisons so far

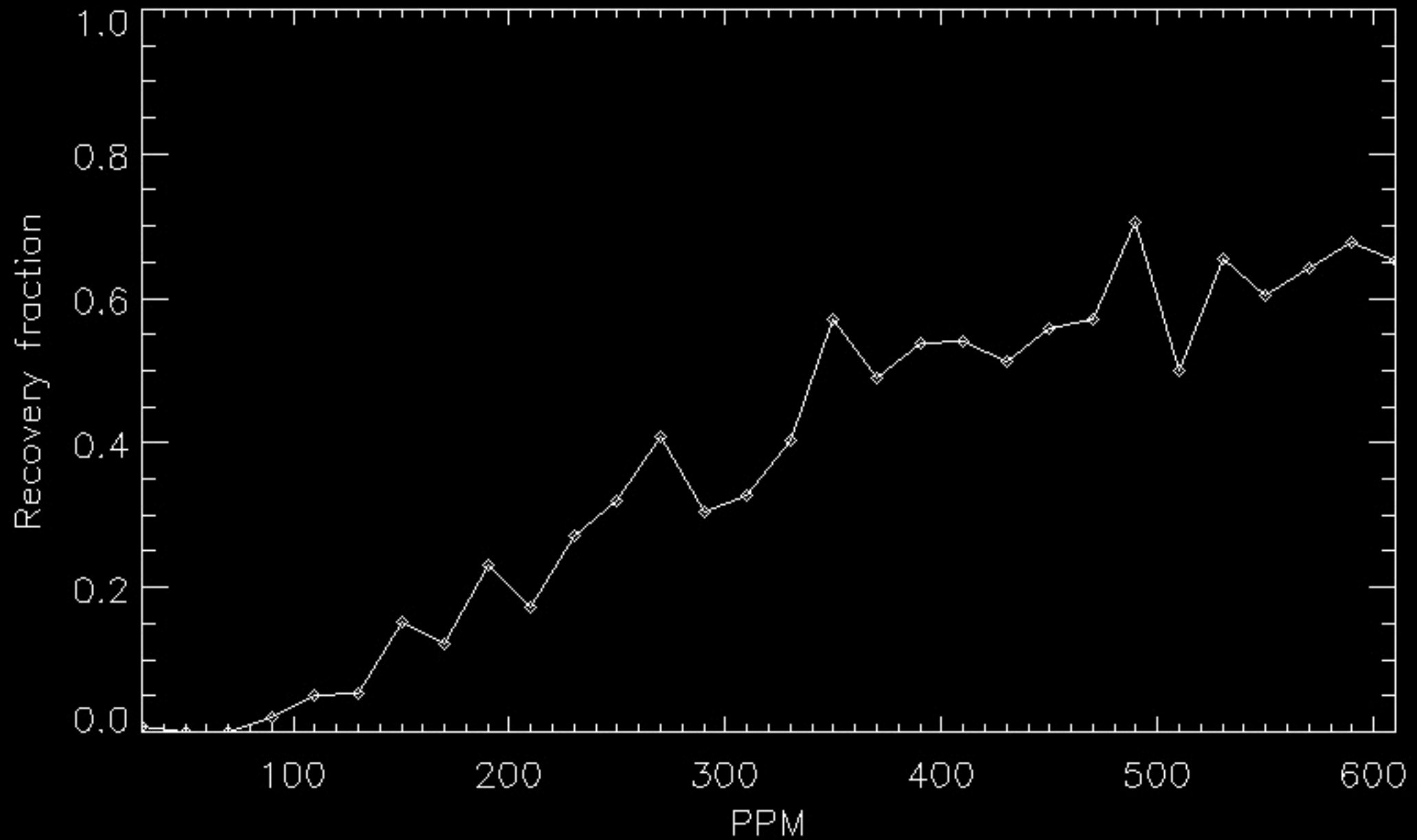
Chi²: 28% Recovered

3 transits

4 transits



Recovery rate vs. ppm



To Do

- Investigate whether those not recovered were detected but not the strongest signal
- If so, create iterative process of removing strongest signal
- Investigate why wavelet likelihood isn't helping; maybe too general and need priors on coefficients
- Compare to Ruth and Billy, who are working on this using the classic BLS