

STEFAN OSŁOWSKI

JEAN-PIERRE MACQUART, RYAN SHANNON

JAMES CLANCY, CRAFT TEAM

DO ALL FRBS REPEAT?

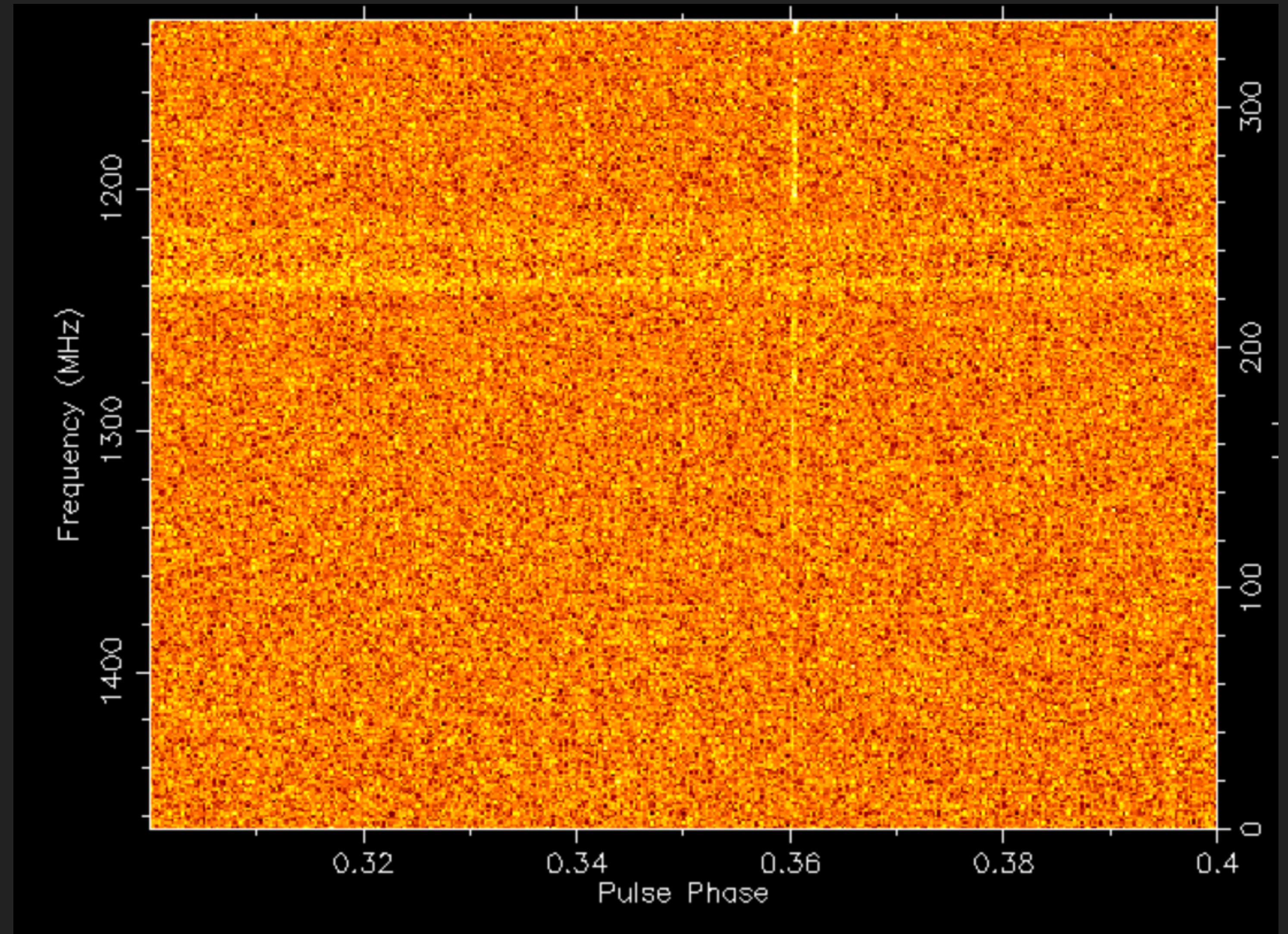
DO ALL FRBS REPEAT?

HOW DO WE FIND OUT?

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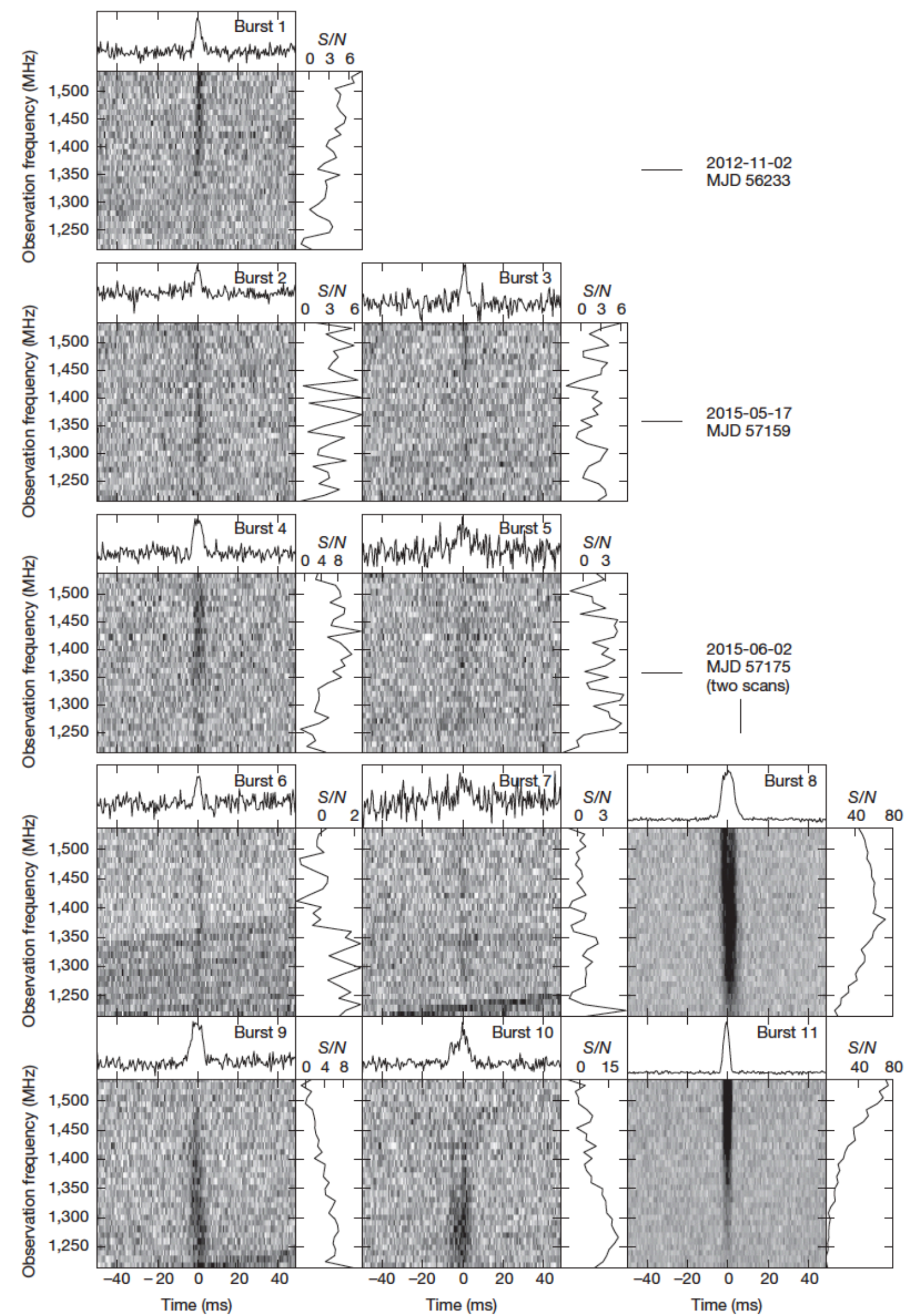
**PLEASE PUBLISH MORE
ABOUT THE REPEATER!**

FRB180212

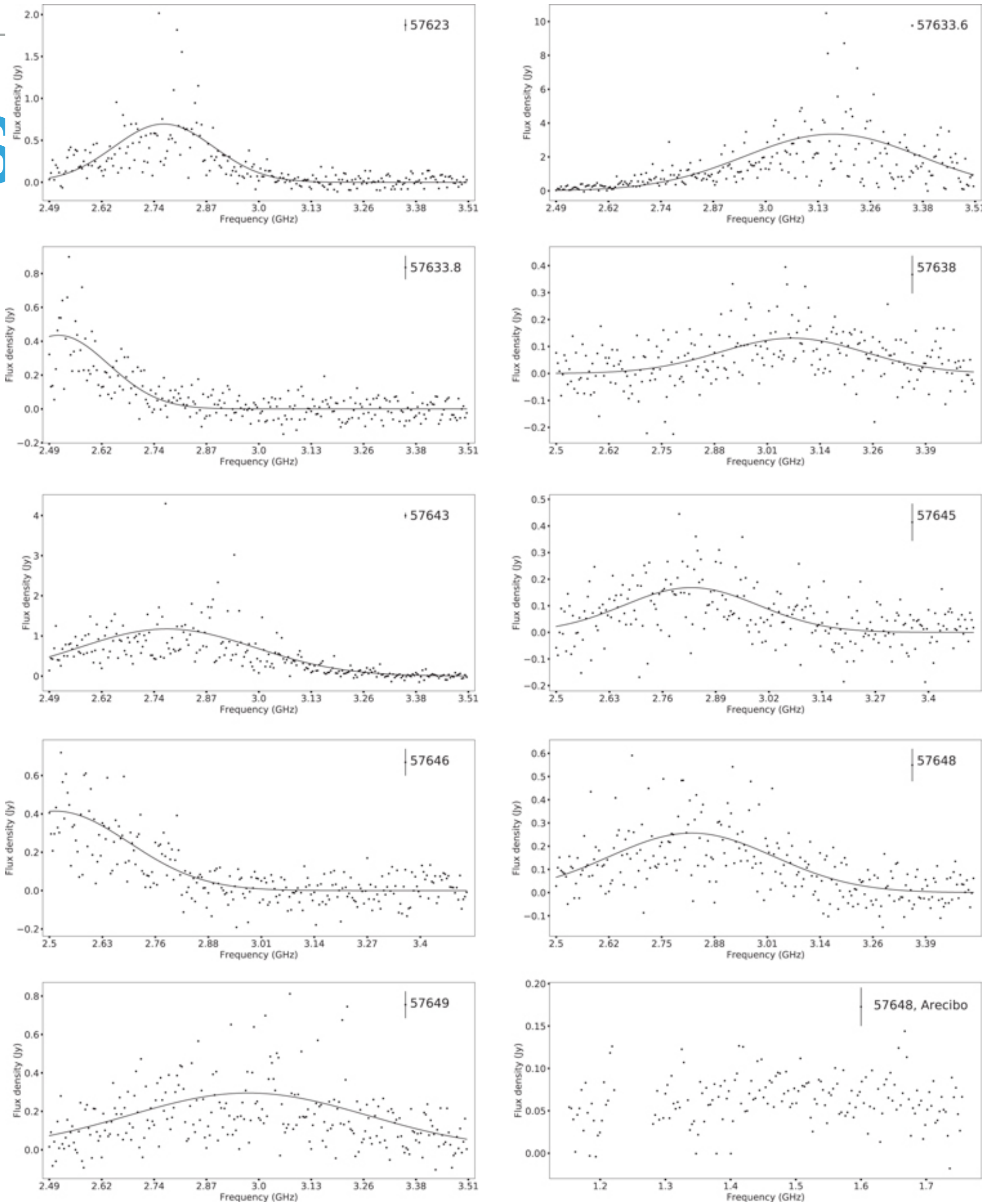


ZOO OF BURSTS

Credit: Spitler et al. 2016



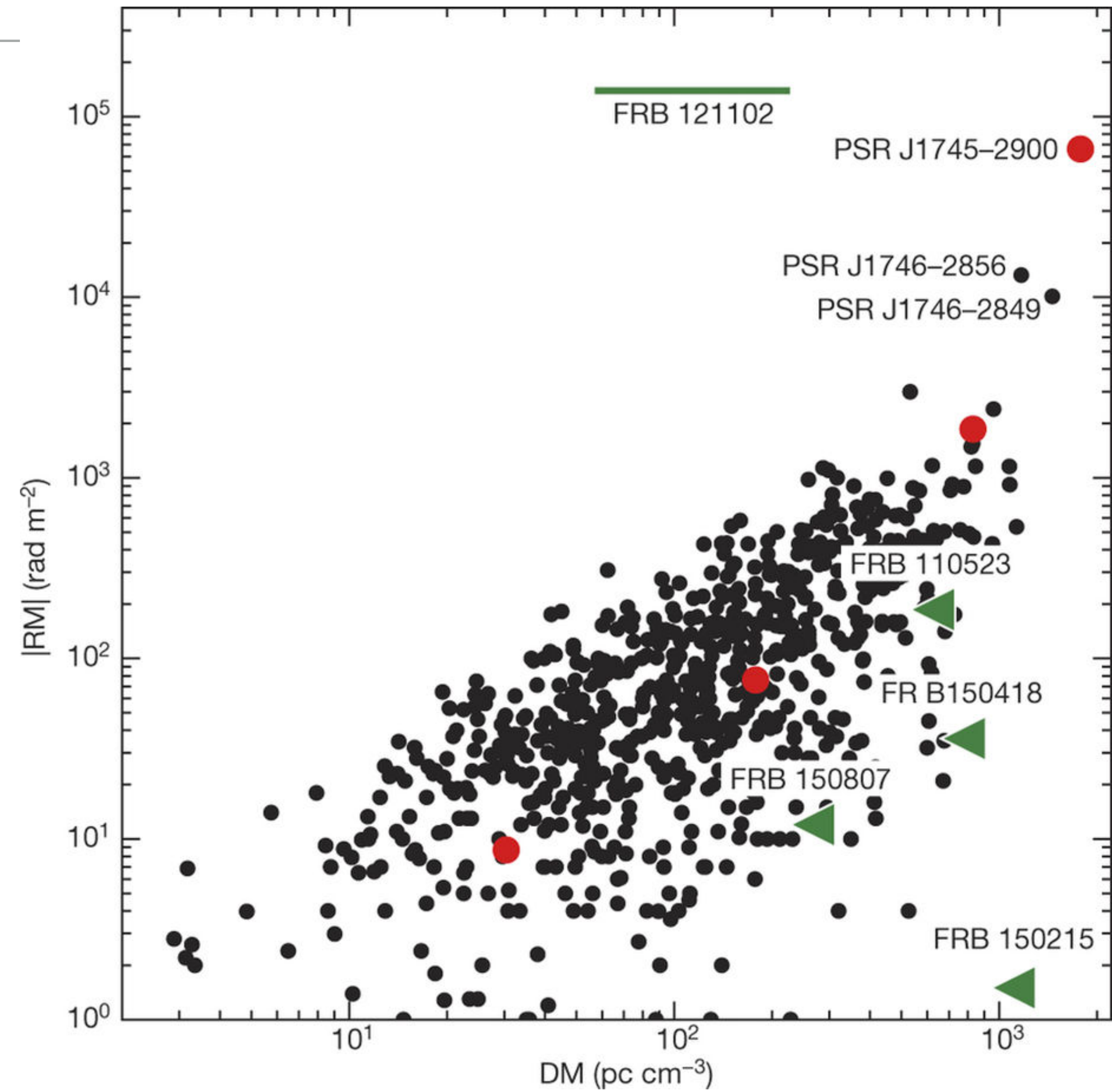
BANDWIDTH OF BURSTS



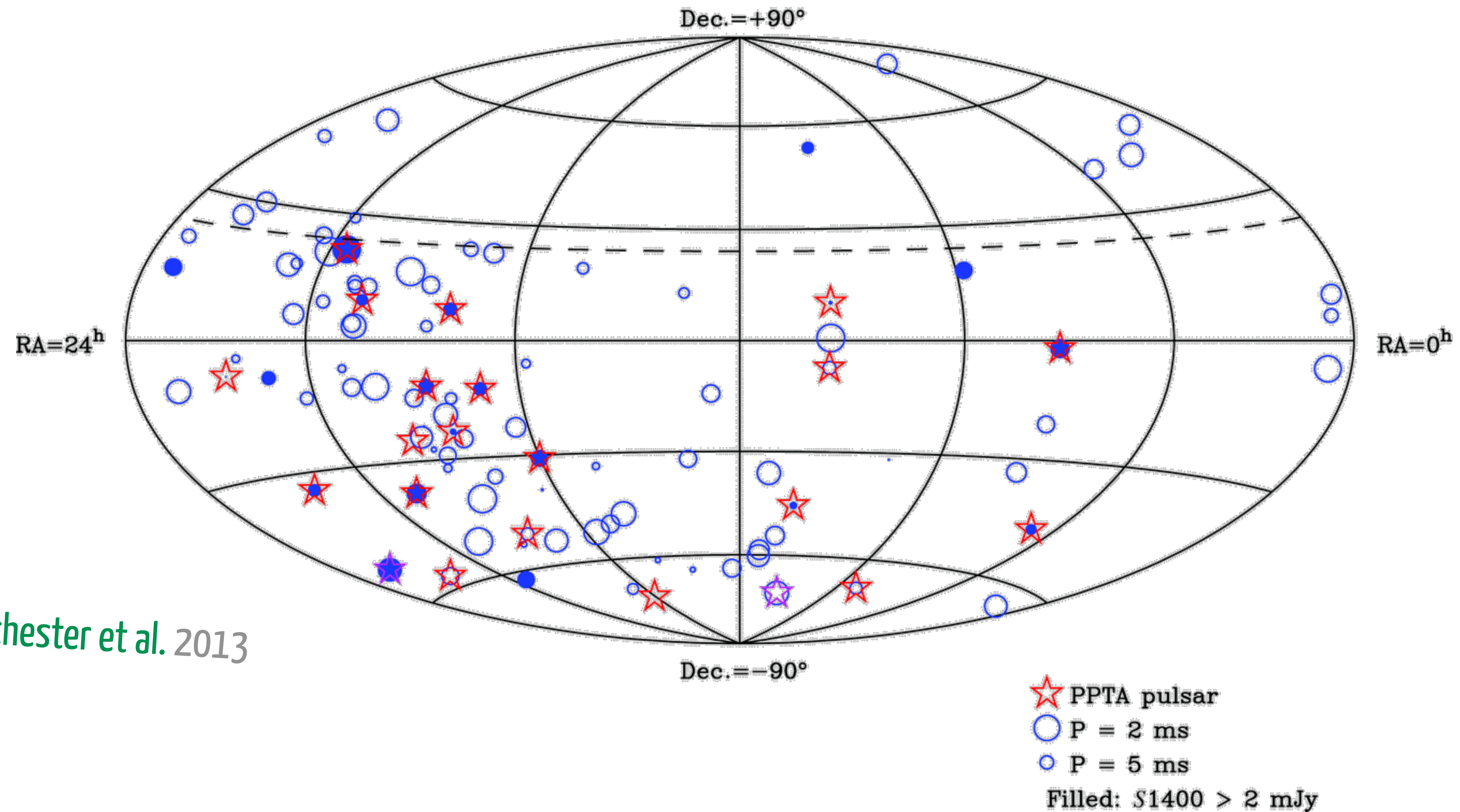
Credit: Law et al. 2017

ZOO OF BURSTS

Credit: Michilli et al. 2018

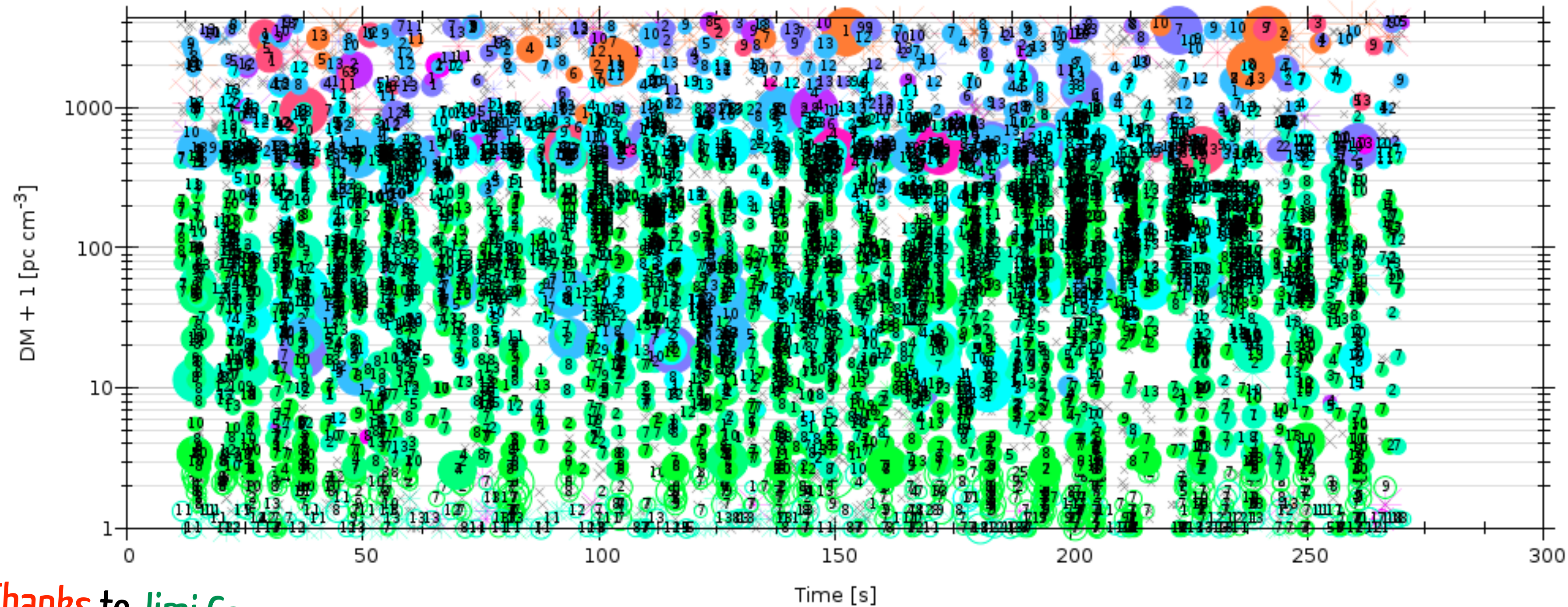


PARKES PULSAR TIMING ARRAY



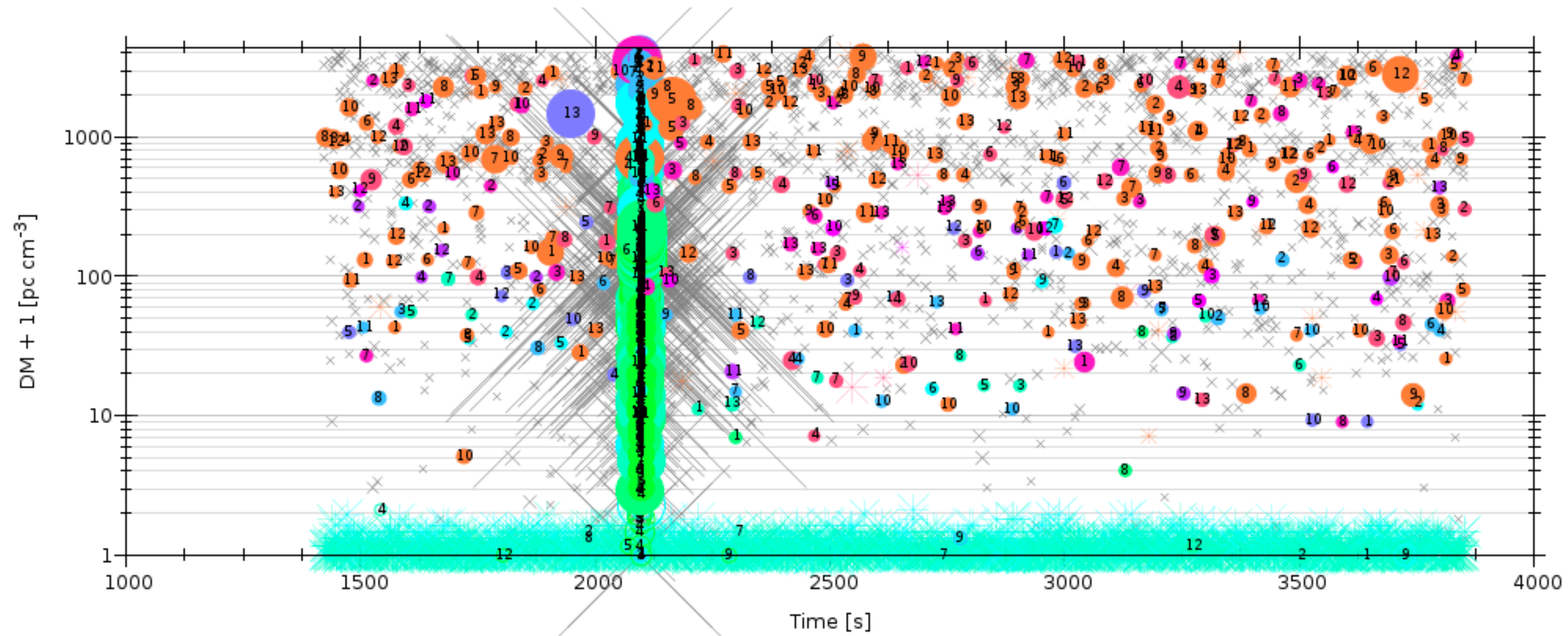
Credit: Manchester et al. 2013

PARKES PULSAR TIMING ARRAY

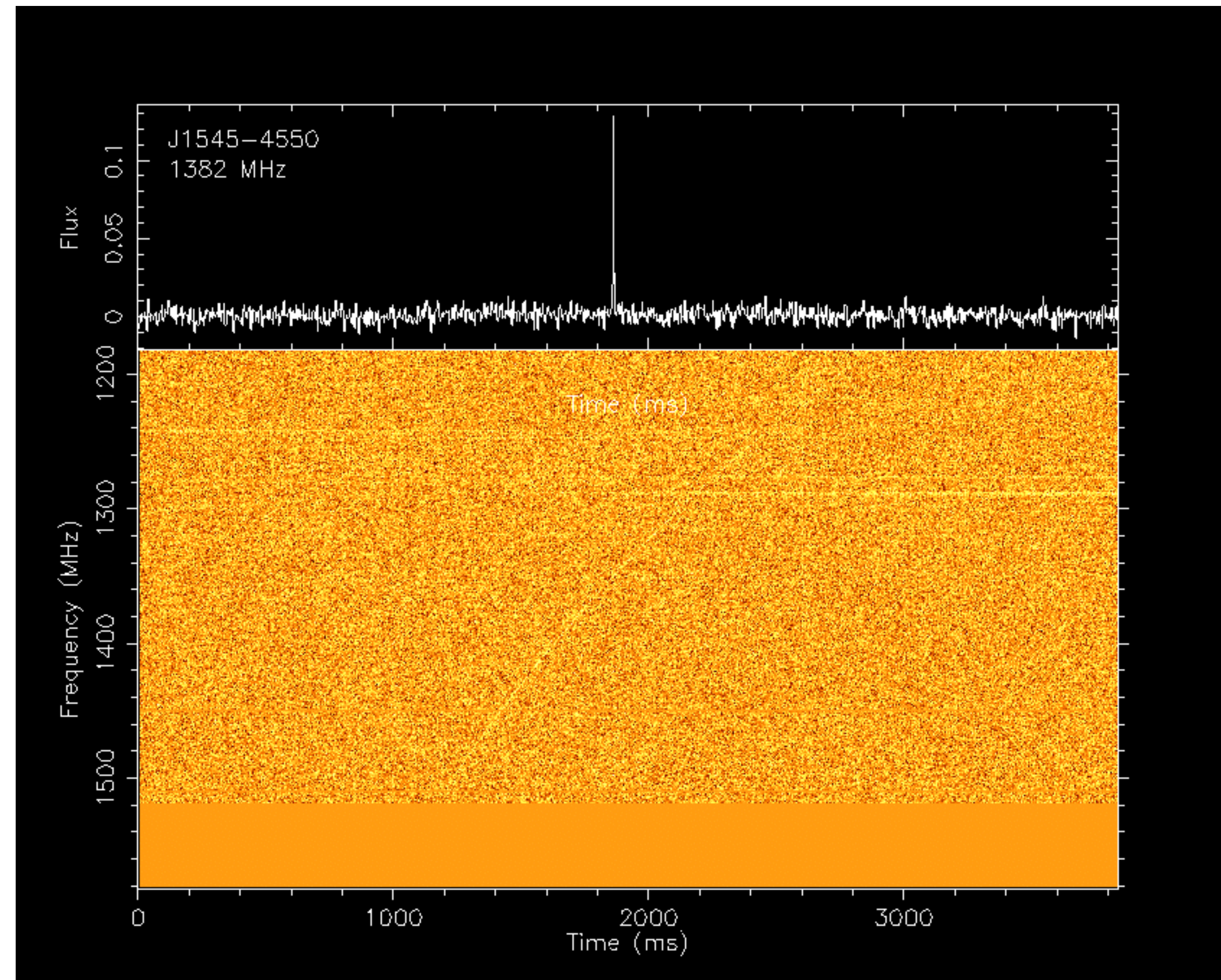


Thanks to Jimi Green

COMMENSAL DISCOVERY OF FRB 171209

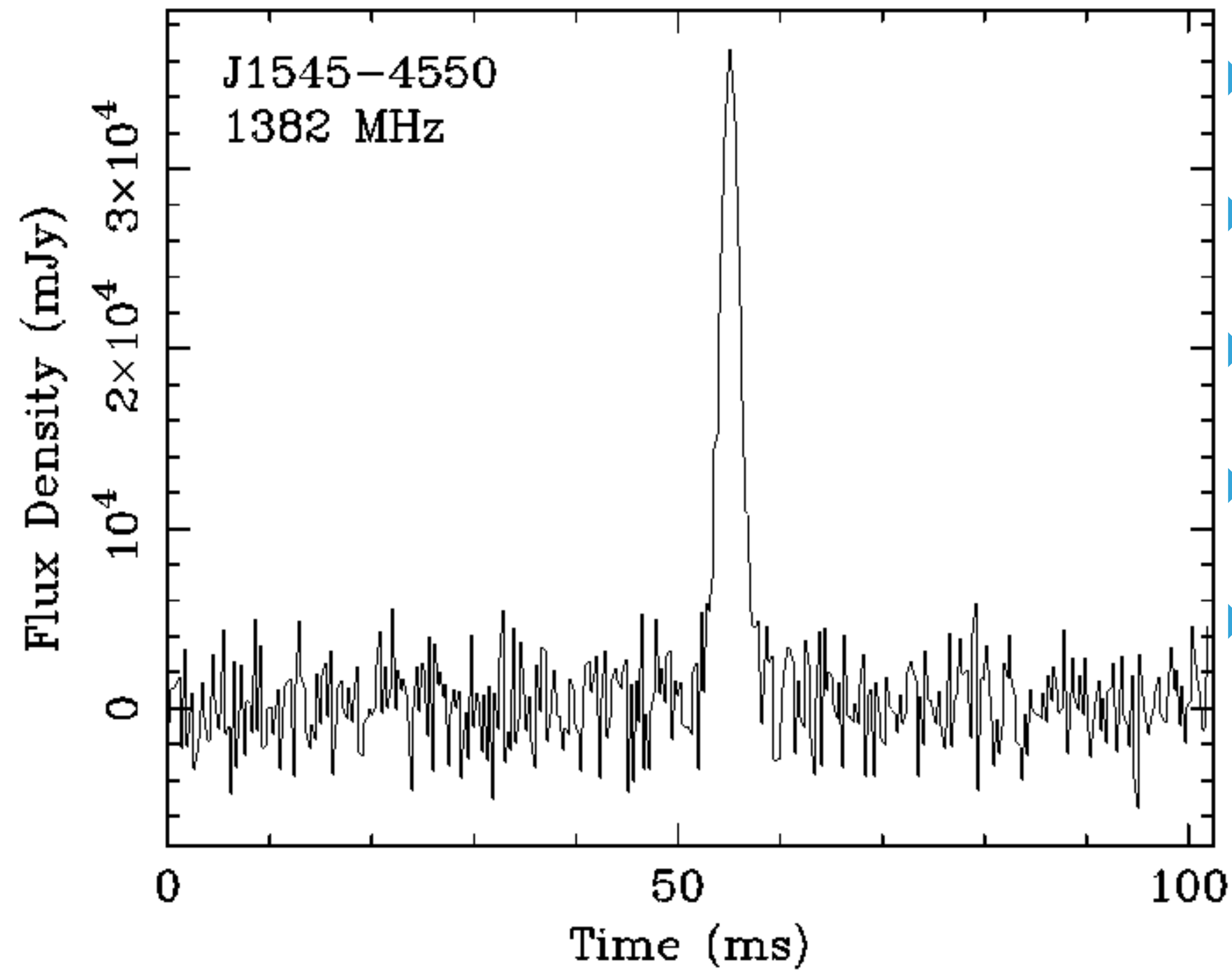


COMMENSAL DISCOVERY OF FRB 171209



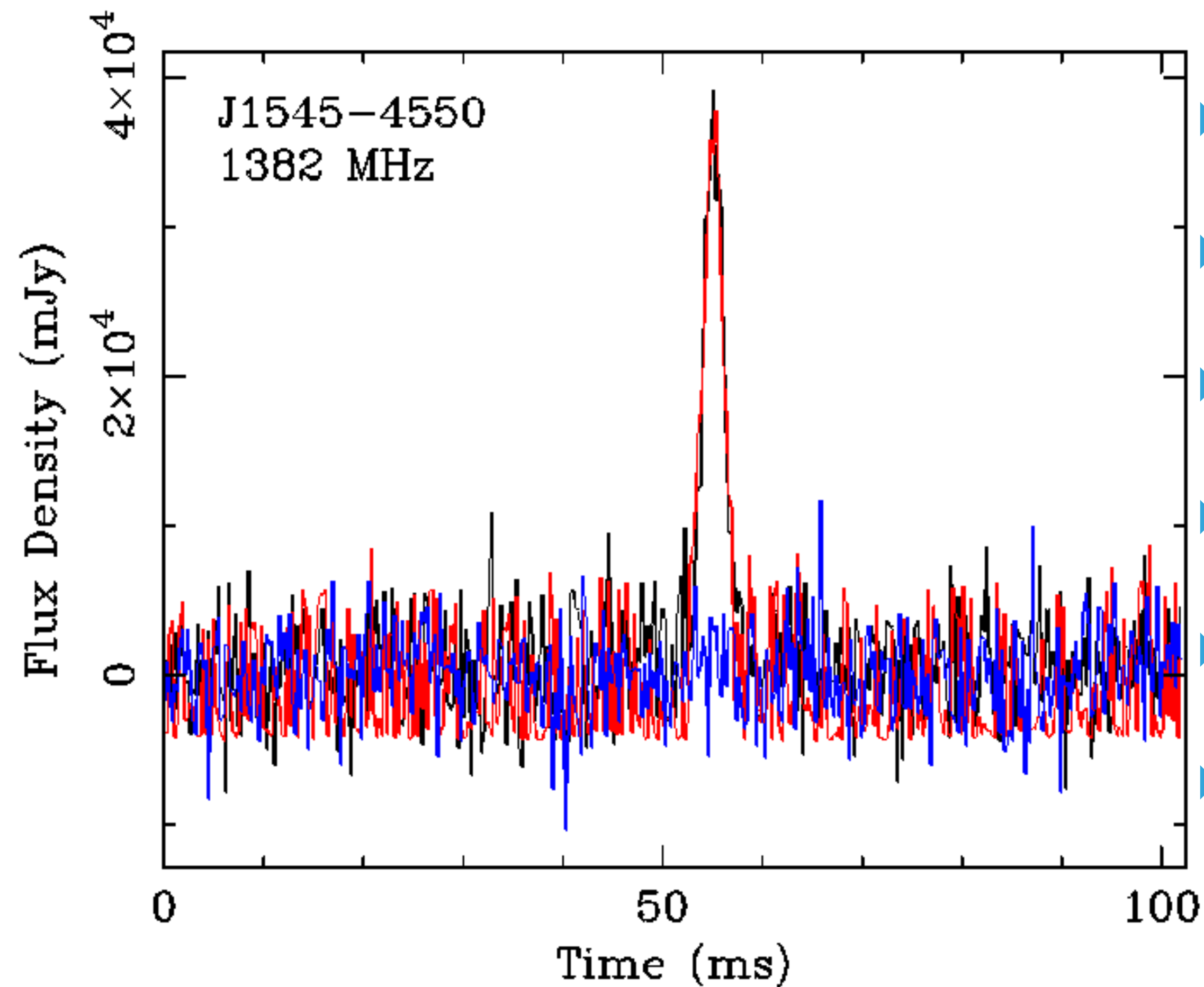
- ▶ Ryan Shannon
- ▶ Stefan Osłowski
- ▶ Songbo Zhang
- ▶ Vikram Ravi
- ▶ Chris Russel

COMMENSAL DISCOVERY OF FRB 171209



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COMMENSAL DISCOVERY OF FRB 171209



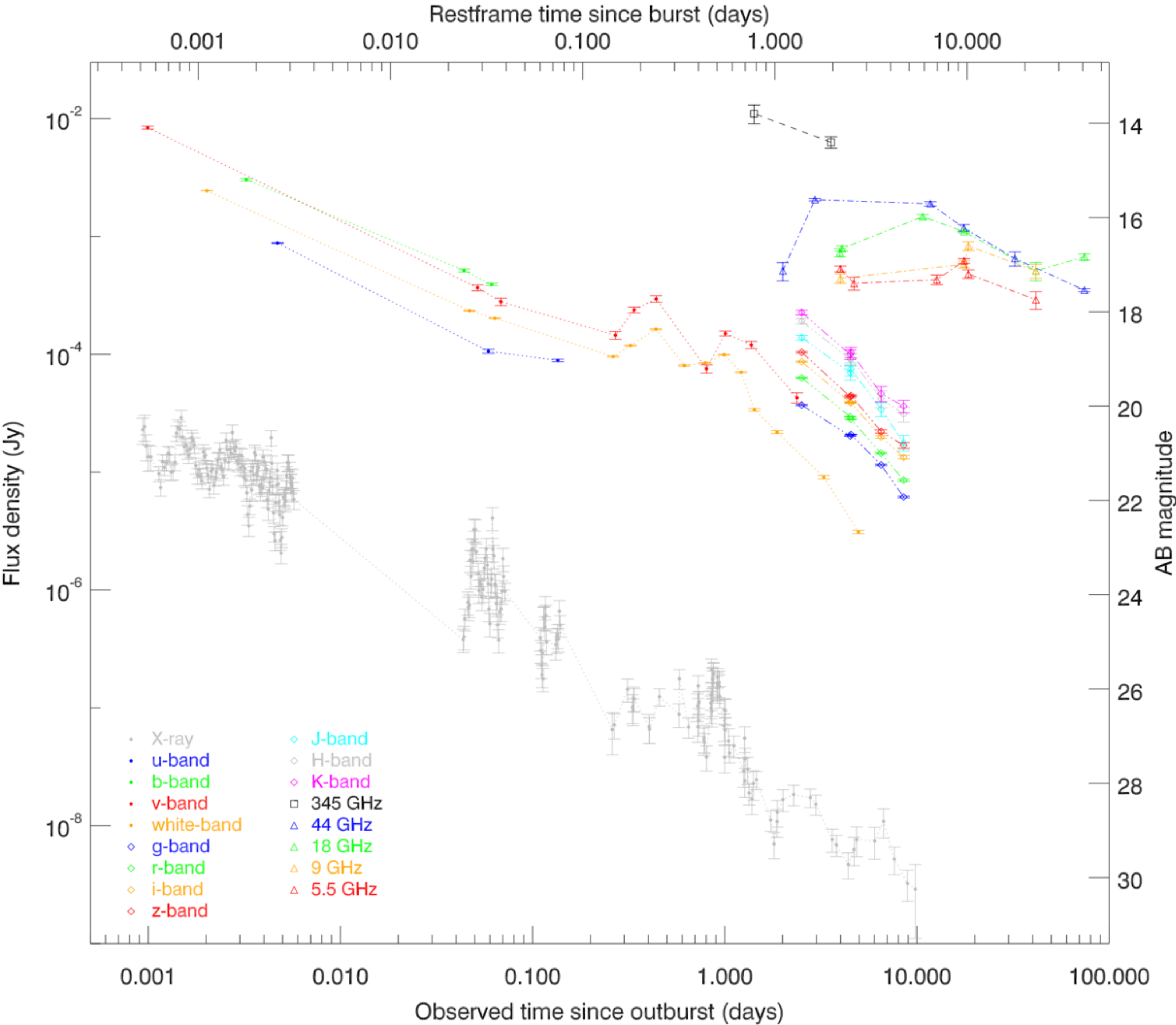
$RM = 124$

- ▶ Ryan Shannon
- ▶ Stefan Osłowski
- ▶ Songbo Zhang
- ▶ Vikram Ravi
- ▶ Chris Russel
- ▶ PPTA Team

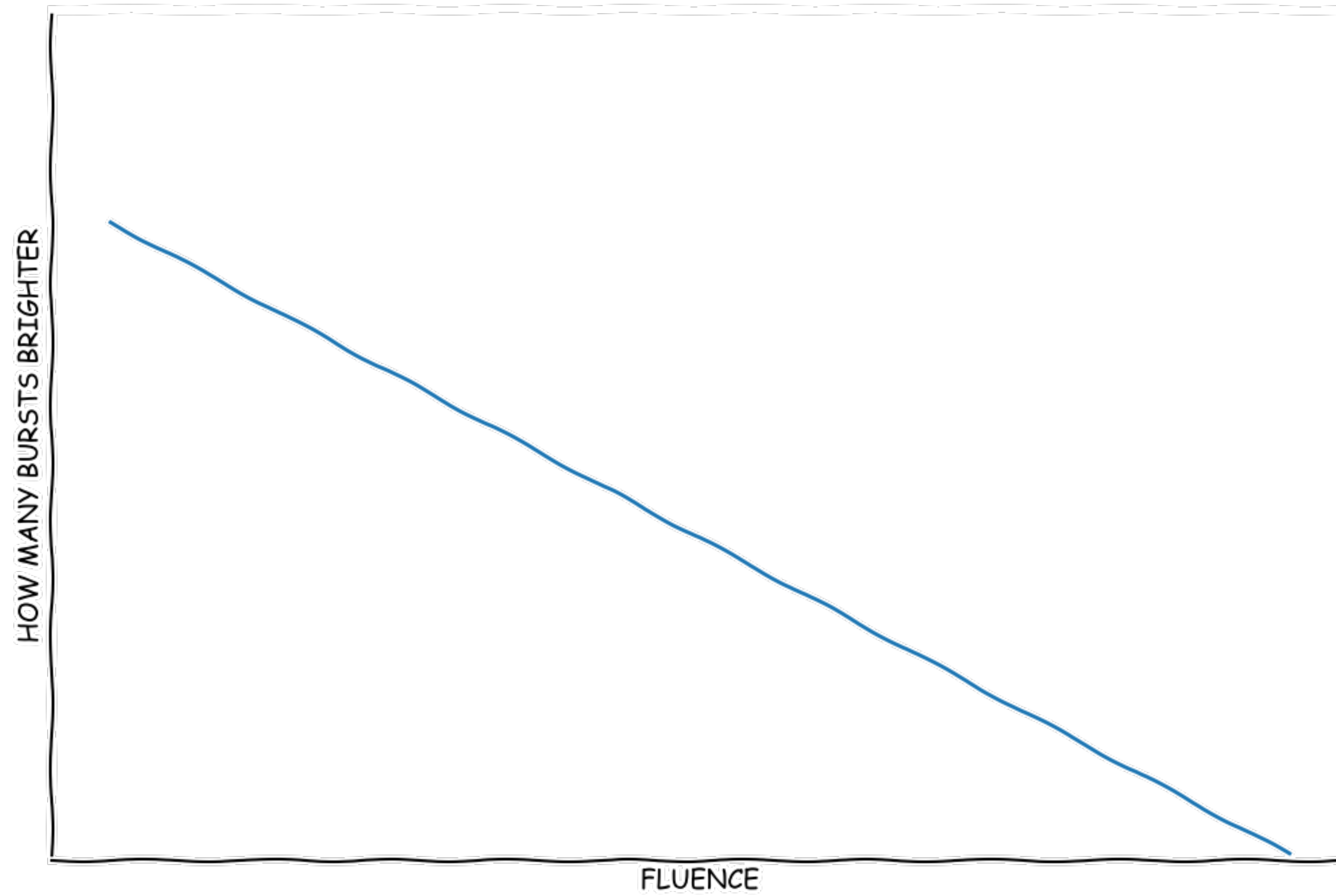
FRB 171209

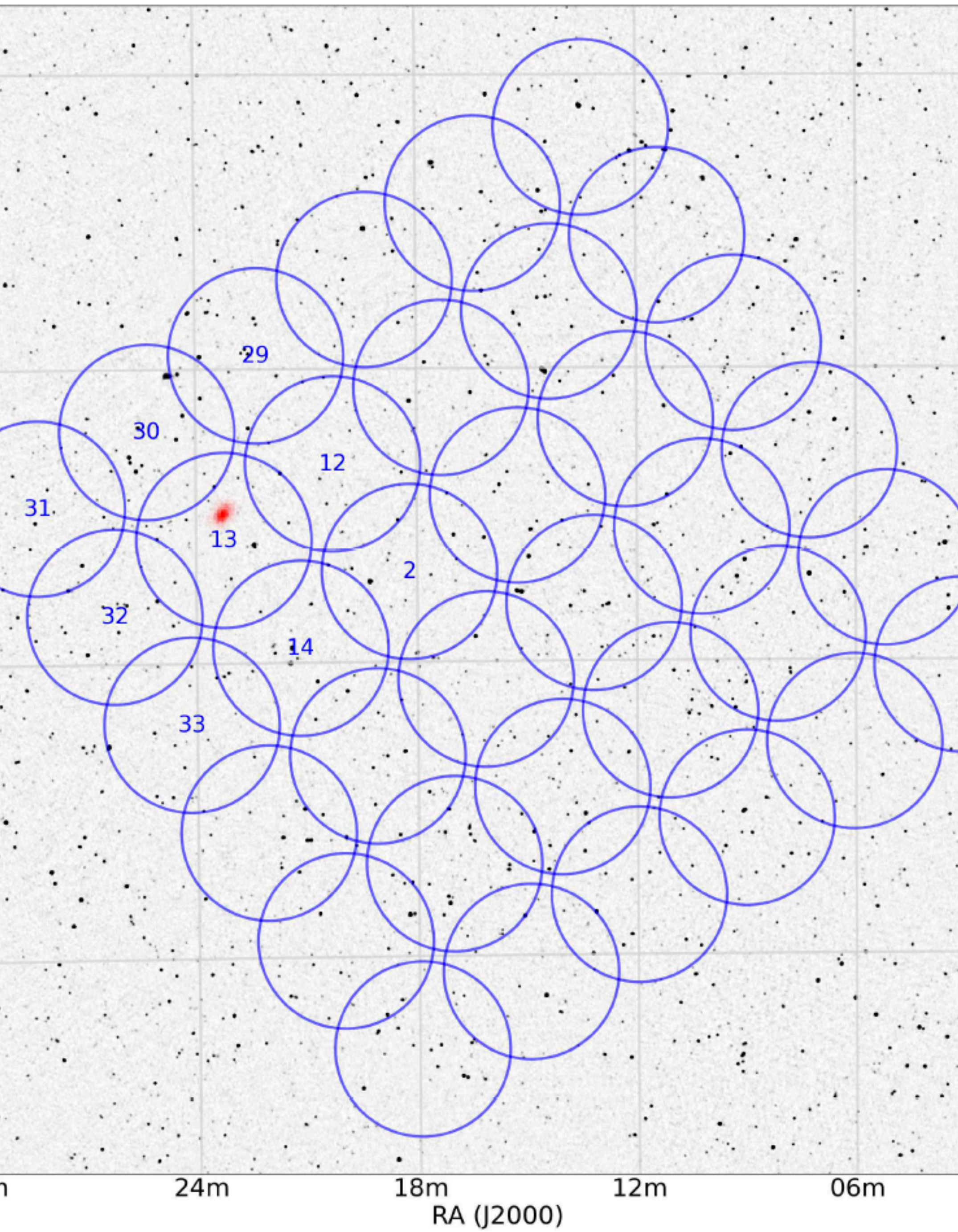
GRB 110715A

Credit: Sanchez-Ramirez et al. 2012



HOW TO FIND REPETITIONS?

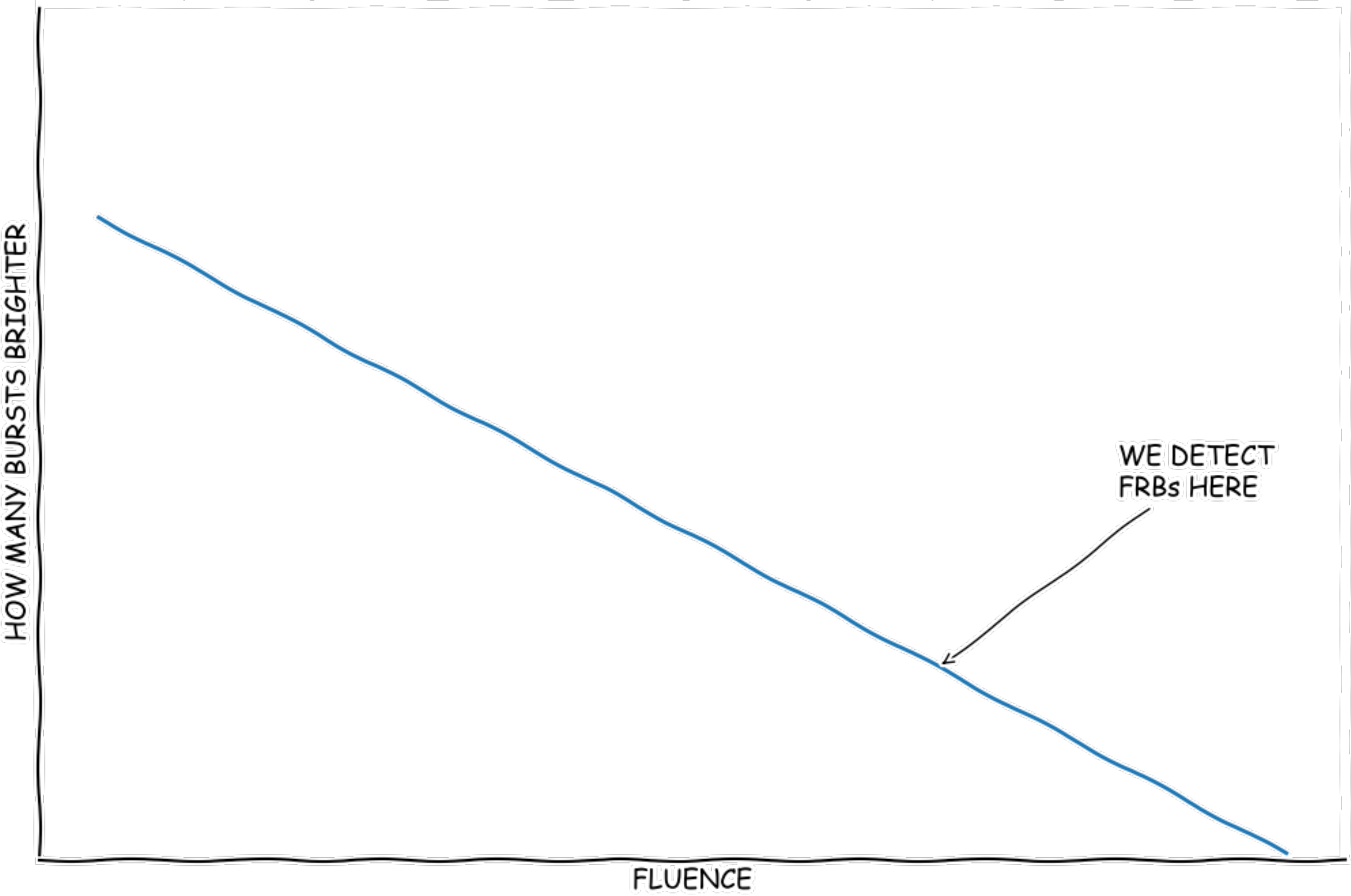




CRAFT

ASKAP

HOW TO FIND REPETITIONS?

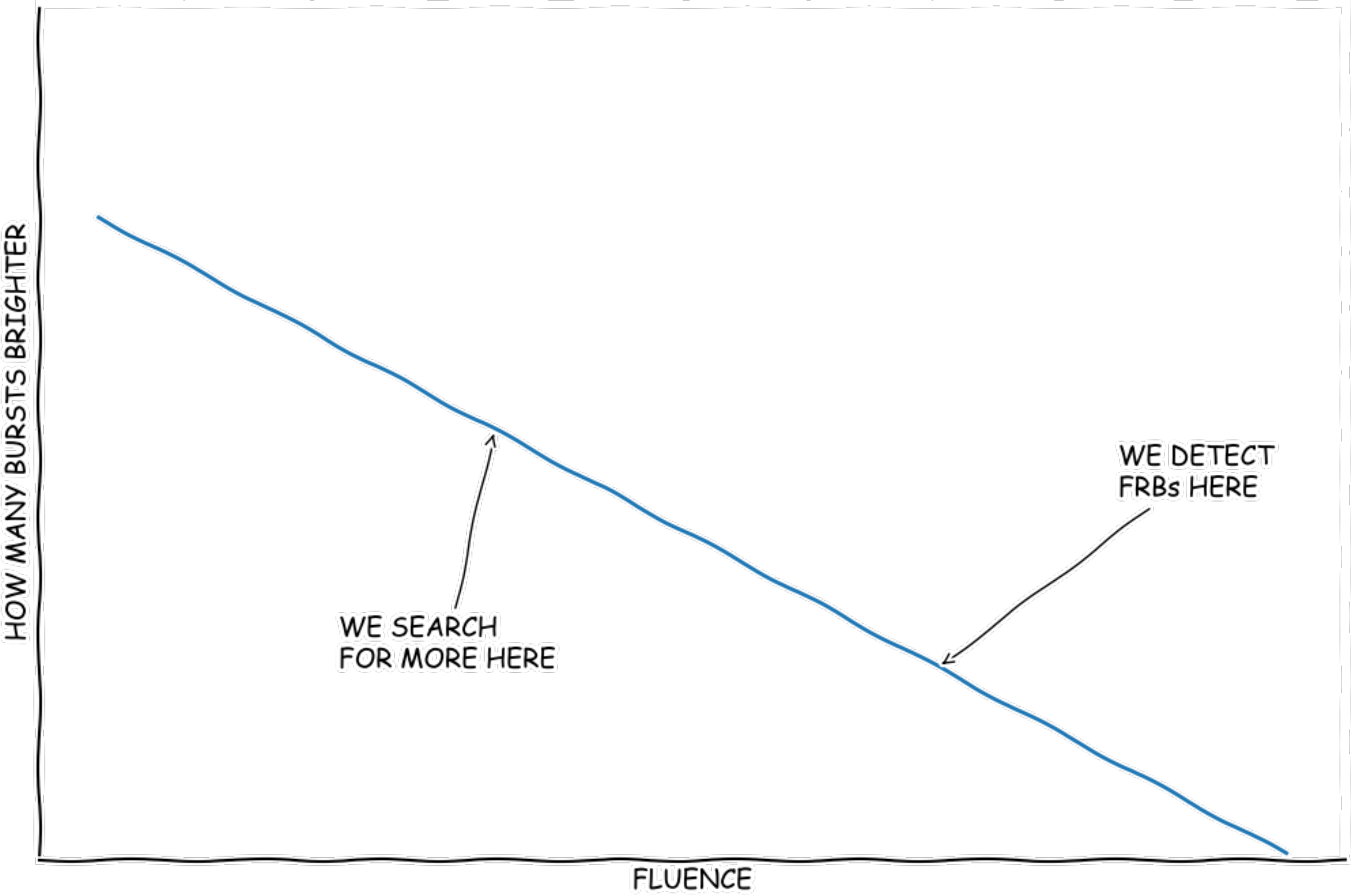


PARKES

- ▶ Ryan Shannon, Stefan Osłowski, Wael Farah, Chris Flynn, Shivani Bhandari, Matthew Kerr, Chris Phillips, Harry Qiu
- ▶ Rapid response for 6 bursts
- ▶ Special thanks to Danny and BL!
- ▶ ~115h so far



HOW TO FIND REPETITIONS?

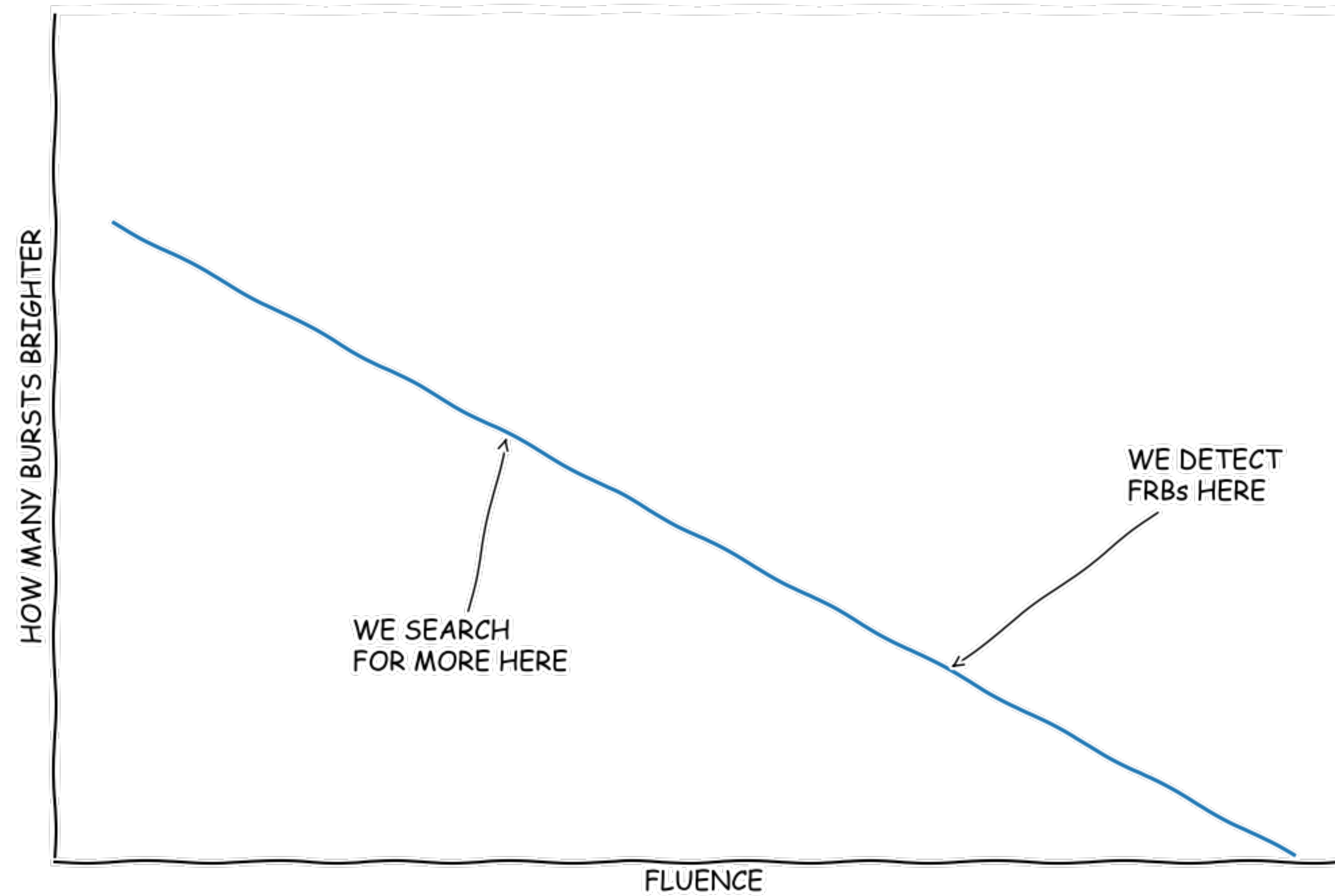




- ▶ Stefan Osłowski, Duncan Lorimer, Renee Spiewak, Danny Price, Cherry Ng
 - ▶ Monthly cadence on FRB170107 in 2017B
 - ▶ 160h in 2018A
 - ▶ (mostly) at 800 MHz
-

GBT

HOW TO FIND REPETITIONS?

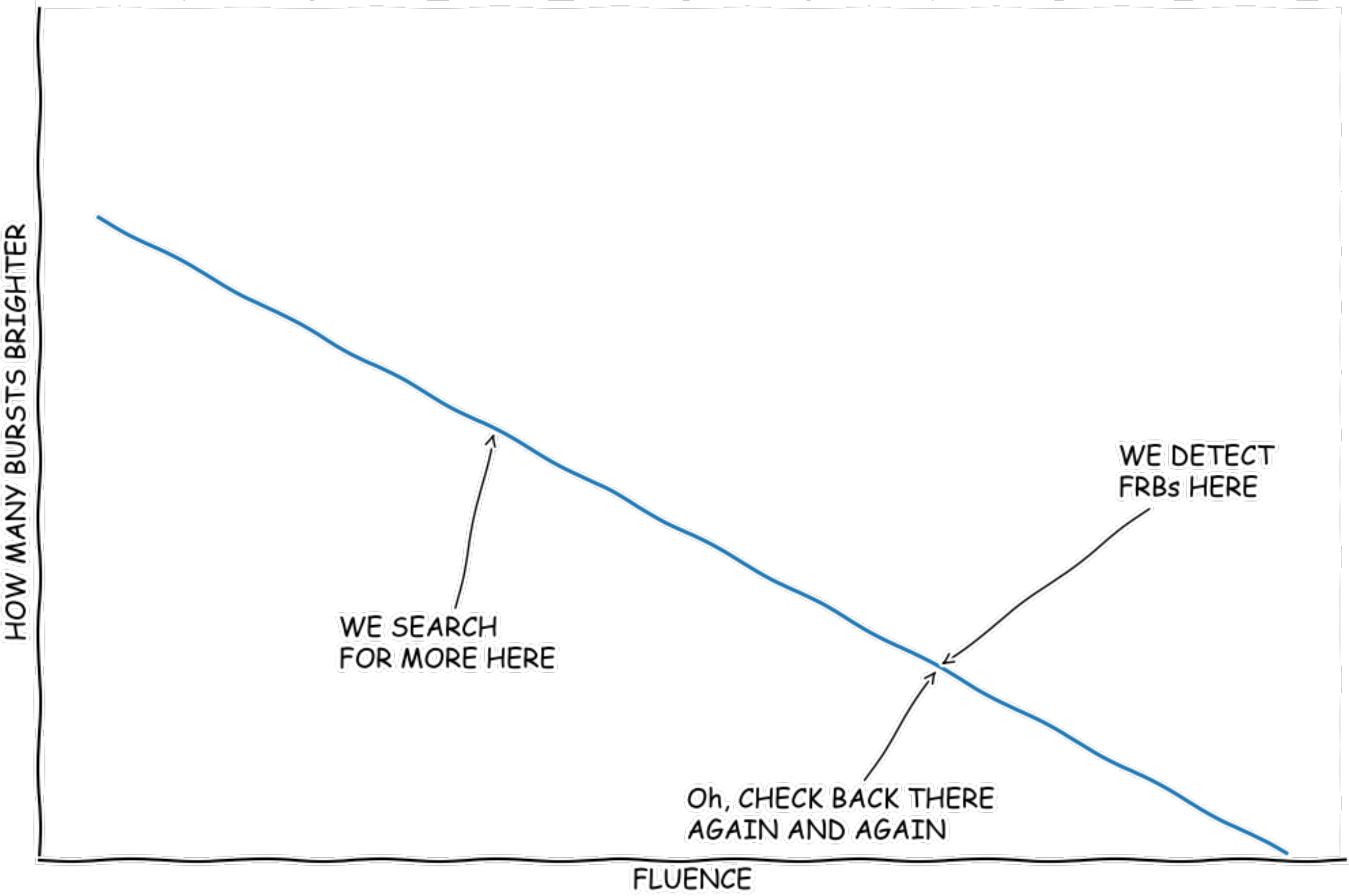


ASKAP

- ▶ CRAFT, Corey Plowman
- ▶ Only 57 fields at lat +50
- ▶ 12 000h follow-up (1500 within a fortnight)
- ▶ Between 8 and 45 days of follow-up per FRB



HOW TO FIND REPETITIONS?



GAMMA RAY BURSTS

Credit: Kouveliotou et al. 1993

