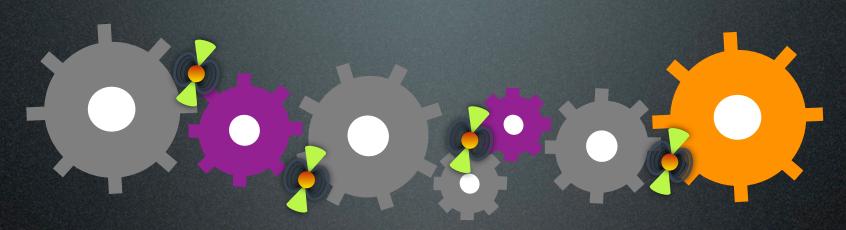
Pulsar/Beam-formed Busy Week #11



Jason Hessels

on behalf of

Ken Anderson, Aris Noutsos, Aris Karastergiou, Ben Stappers, Anastasia Alexov, Vlad Kondratiev, Tom Hassall, Thijs Coenen, Sander ter Veen, Joeri van Leeuwen, Ashish Asgekar, and Jan David Mol, Christian Vocks, Richard Fallows, Joris Verbiest, Jean-Mathias Griessmeier, Masaya Kuniyoshi, Charlotte Storey, John Romein

LOFAI

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PBW#11: Main Goals

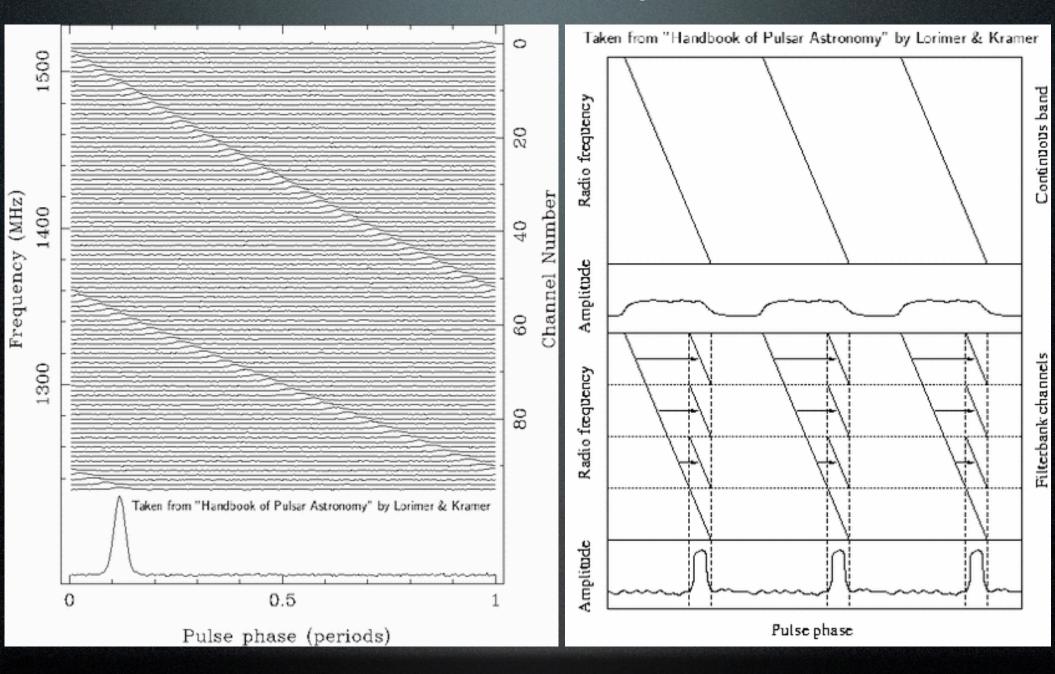
- Coherent Superterp addition
- Raw voltage observations
- Online coherent dedispersion
- LOFAR pulsar reference paper
- Data archive (SARA)
- Reduce "survey" observations
- RFI monitoring



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Incoherent Dedispersion

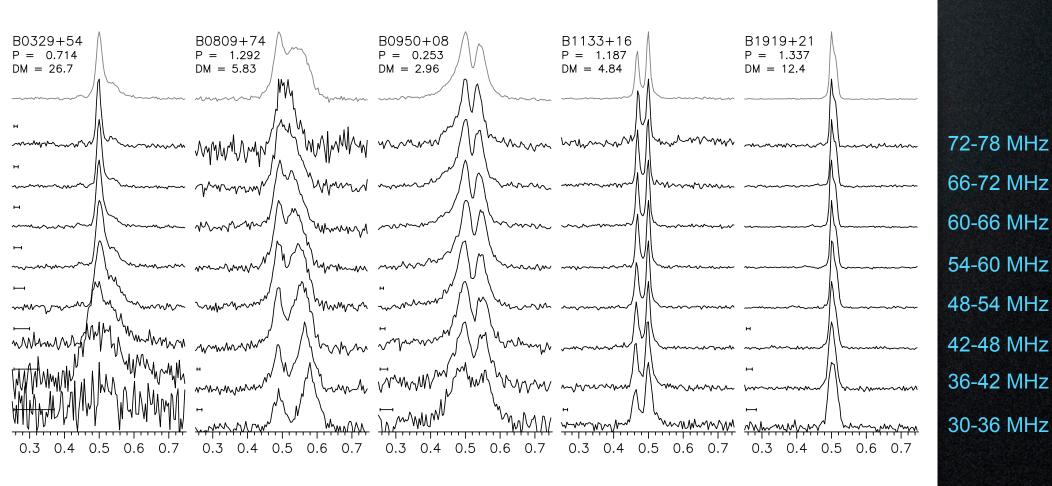


LOFAR

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Recent LBA Pulsar Observations

(post station calibration)

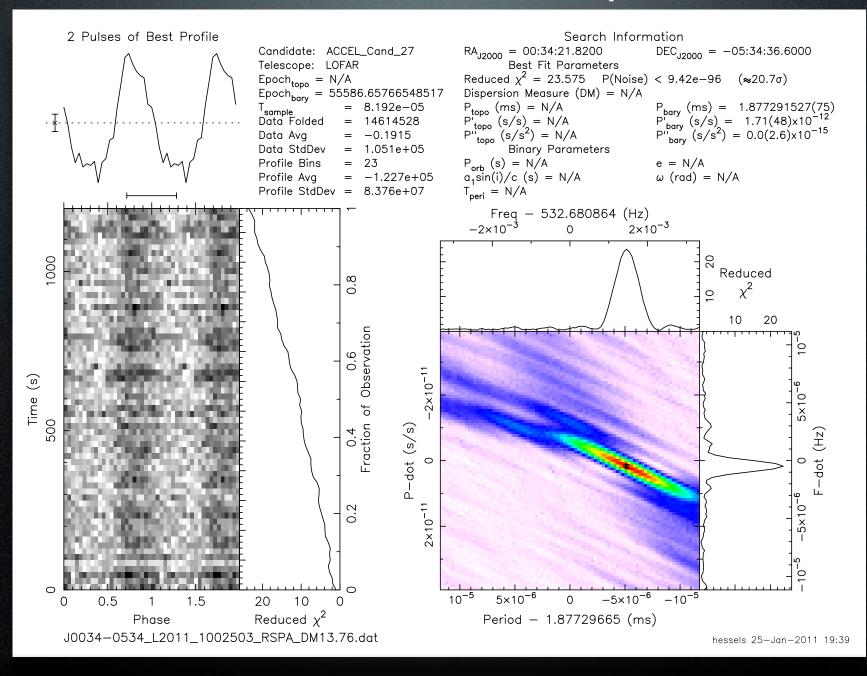


Large, intrinsic (and extrinsic) profile evolution across band

LOFAR

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Online coherent dedispersion

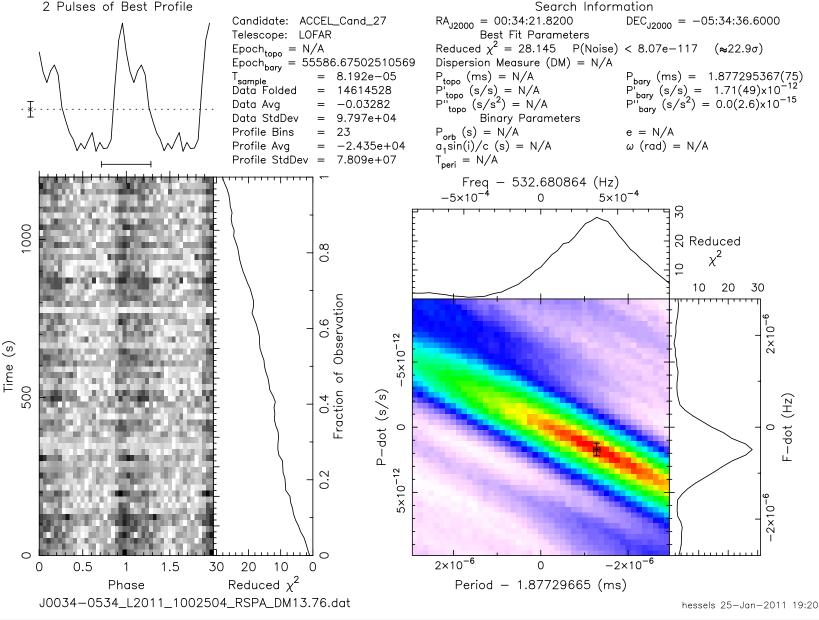


LOFAR

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Online coherent dedispersion

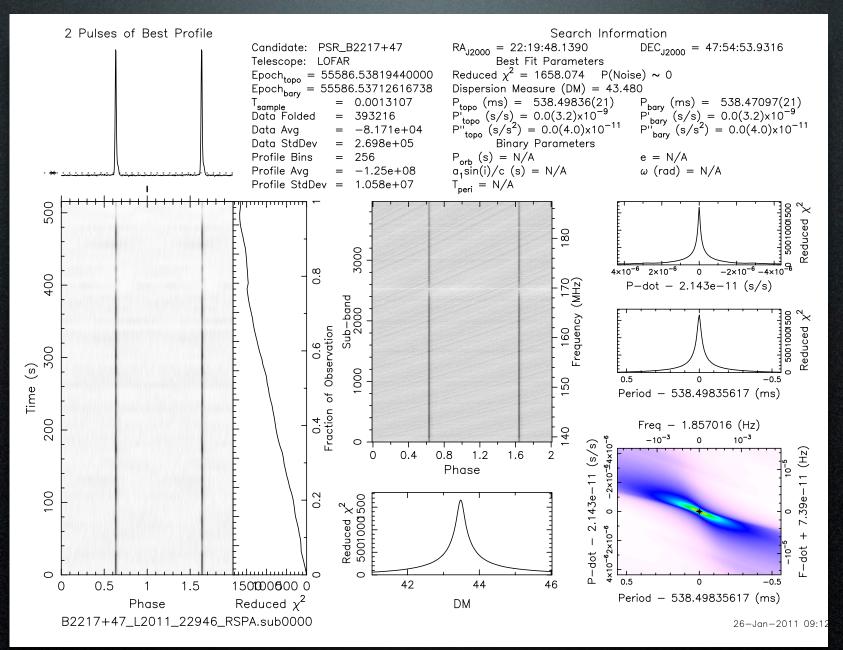
2 Pulses of Best Profile



OFAR

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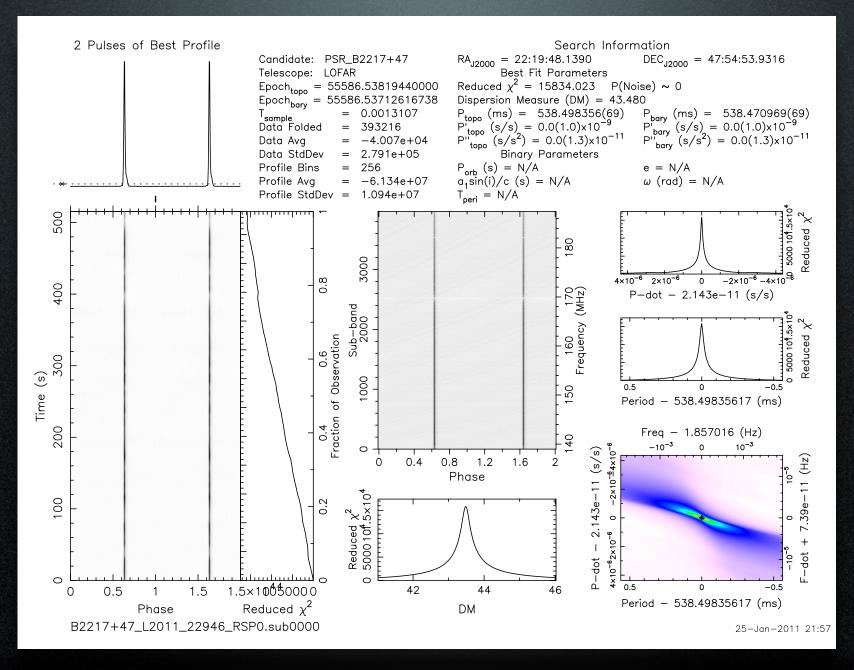
Coherent Addition of Superterp Working?!



LOFAR

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Coherent Addition of Superterp Working?!



LOFAR

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Plans for the near future

- Reduce raw voltage data --> polarimetry
- Determine whether "Coherent Stokes" is working
- RFI tests
- Submit reference paper by Friday



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