

## Sprint 4

Albert van  
Kiel, Timo  
Hermsen,  
Robin Baneke,  
Max van  
Hasselt,  
Robert Kleef  
and Menno  
Prinzhorn

Done

Future

TDD

Documentation

Requirements

# Sprint 4

## Applying scientific software standards

Albert van Kiel, Timo Hermsen, Robin Baneke, Max van  
Hasselt, Robert Kleef and Menno Prinzhorn

December 21, 2018

# Done

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What have we done:

- Clipping
- Dedispersion
- Benchmarking
- Mocking filterbank data

# Future

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## What's next:

- Running benchmarking on server
  - Identify bottlenecks
  - Using GPU or in parallel
- Documentation & test for new modules

# TDD

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Requirements

- Programmers using pure TDD on new projects reported they only rarely felt the need to invoke a debugger
- TDD can lead to more modularized, flexible and extensible code
- A high number of passing unit tests may bring a false sense of security

# Documentation

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Requirements

- Continuous Integration and Development
- Distribution of repository
- Reuse existing documentation

# Requirements

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Requirements

- Requirement engineering in Agile Development
- User stories
- ARAM Model