

## Sprint 1

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

Background

Goals

Goals

# Sprint 1

## IO and Algorithm

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

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# Background

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## Project background

- SIGPROC library
- eScience center
- Asteria
- IO/Algorithm

# Methodology

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## What were our methods?

- SCRUM
- Sprint reviews
- Trello and Git

# Goals

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## Our goals for Asteria

- Refactoring SIGPROC library
- Python/C++
- Tests minimal 60% code coverage

# Modules

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These modules are present and usable in the Asteria library

- Filterbank
- Pipeline
- Clipping
- Dedisperse
- Timeseries
- Fourier
- Plot

# Filterbank

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- Read filterbank files
- Generate mock data

# Pipeline

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## Pipeline

# Clipping

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## Clipping



# Dedisperse

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## Dedisperse

# Timeseries

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## Timeseries

# Fourier

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## Fourier

# Plot

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- Plot
- Waterfall