Sprint 1

Albert van Kiel, Timo Hermsen, Robin Banek Max van Hasselt, Robert Klee and Menno Prinzhorn

Background

C . . I.

Module:

Filterhan

Clibbling

Dedisperse

Timeserie

Fourier

Pipelin

Sprint 1 IO and Algorithm

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

January 24, 2019

Background

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${\sf Background}$

C - - I -

Goals

Module

Filterban

Titterban

Dadienare

Timocorio

Pineli

Pipeline

Project background

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

Methodology

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Goal

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Timeseri

Pipelin

What were our methods?

- SCRUM
- Sprint reviews
- Trello and Git

Goals

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and Menno

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Goals

Module

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Fourier

Pipelir

Our goals for Asteria

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

Modules

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Background

Goals

Modules

Filterban

Dedispers

Timocorio

Timesene

Pipelin

These modules are present and usable in the Asteria library

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

Filterbank

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Filterbank

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Dadiosass

Dedispers

Timesen

Fourier

Pipelir

- Read filterbank files
- Generate mock data

Clipping

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Goals

Module

Filterba

Clipping

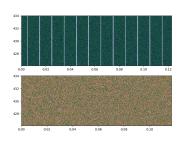
Dedispers

Timeserie

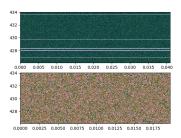
-ourier

Pipeline

Filter samples with noise



Filter frequencies with noise



Dedisperse

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Dedisperse

Dedisperse

Timeseries

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Timeseries

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Goals

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Dedisperse

Timeseries

Fourie

Pineli

Fourier

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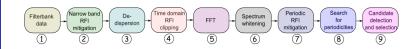
Fourier

Fourier

Pipeline

Sprint 1

Pipeline



Plot

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Filterban

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Dedispers

Fourier

Pipeli

Plot

Waterfall