psrdada tools

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Chapter 1

An overview of psrdada processing tools

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These codes are useful to process psrdada voltage dumps obtained with AAVS2 or EDA2 systems.

See also

https://opensource.com/article/19/4/interprocess-communication-linux-storage

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

Chapter 3

File Documentation

3.1 dada2spec.c File Reference

Reads an AAVS-2 or EDA-2 psrdada file and generates spectra out of them. The number of FFT bins and required time averaging can be specified.

```
#include <stdio.h>
#include <stddef.h>
#include <unistd.h>
#include <stdlib.h>
#include <string.h>
#include <stdbool.h>
#include <signal.h>
```

Functions

- void **interrupt_handler** (int dummy)
- int **findinheader** (const char *hdr_buf, const char *hdr_name, double *val)
- void **print_acq_usage** (char *const argv[])
- int **main** (int argc, char *argv[])

3.1.1 Detailed Description

Reads an AAVS-2 or EDA-2 psrdada file and generates spectra out of them. The number of FFT bins and required time averaging can be specified.

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