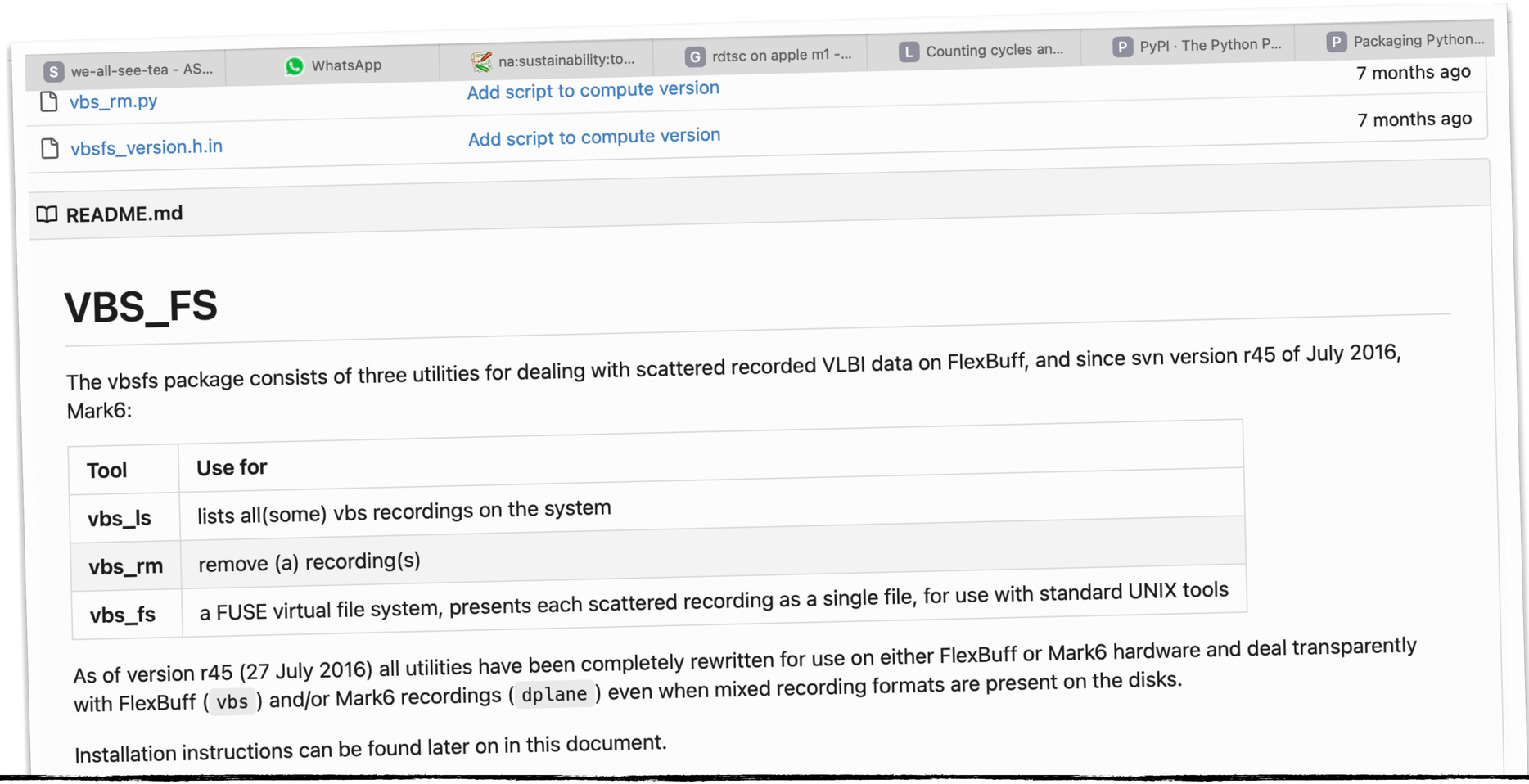
Software

JIVE
Joint Institute for VLBI ERIC

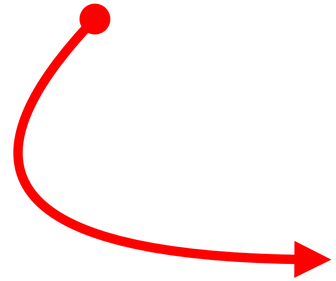
FlexBuff/Mk6 tools vbs_{ls|rm|fs}



https://code.jive.eu/verkout/vbs_fs

FlexBuff/Mk6 tools **vbs_{ls|rm|fs}**

- Python[23] compatible
- added **./configure** options
  - **--cxx=**/path/to/c++11-compiler
  - **--python=**/path/to/python



/usr/bin/python not guaranteed to exist

jive5ab: what happened since 2.9.0?

No official release since 2.9.0

April 2018

3.0 release candidate to testers

March 2020

↪ due to COVID-19 never made it to release

https://github.com/jive-vlbi/jive5ab

jive-vlbi / jive5ab Public

Notifications | Fork 3 | Star 7

Code | Issues 8 | Pull requests | Actions | Projects | Security | Insights

Releases | Tags

v3.1.0-rc1

1a147cd

Compare

v3.1.0-rc1: Fix v1.12 details

tagged this last month

```
Of course, after commit+push, upon re-reading, found that some pieces of
documentation were still missing - notably in the summary/preview of the command
line options
```

Assets 2

Source code (zip)	last month
Source code (tar.gz)	last month
Show all 2 assets	

jive5ab: 3.1.0-RC1 CHANGES

- github hosted

  https://github.com/jive-vlbi/jive5ab

- build now CMake based

  ```
  $> mkdir build && cd build
  $> cmake -DOPTION[=value] /path/to/jive5ab_src
  $> make
  ```

jive5ab: 3.1.0-RC1 FEATURES

- can run with root privilege
- support **net_port=[(IP|host)@]port**
  - record from specific interface (default: all)
- record VDIF-over-UDP in separate recordings
  - e.g. by VDIF thread id (much more is possible)
  - **scan_check?** picks up all sub-recordings automatically
- can be compiled with e-transfer support
  - built-in e-transfer client enables vbs/mk6 recording ⇒ **etd**
  - m5copy updated to support **etd://** destination
- support **null** for **scan_set, set_disks (*)**
  - *why: https://github.com/jive-vlbi/jive5ab//e6647e2c130dd0ff92e670e92799c24dad45a371*
- complex VDIF accepted as format in **mode=**

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jive5ab: 3.1.0-RC1 FIXES

- **scan_set** with time more accurate
  - reads more data
- partial last block was not written to disk
- new **scan_check?** algorithm
  - designed for multi-thread, high datarate VDIF
  - samples recording at multiple positions iso just start, end
- cornerturner (**split** * ⇒ * commands)
  - multi-thread aware; each thread split individually
  - now produces VDIF EDV0 as output iso legacy VDIF
- portability issues addressed
  - C++11 compatibility
  - compiling w/ clang on Apple M1 (x86_64 binary)

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Documentation

- updated to **v1.12**

* document new features/commands
* document previously added commands
* add section on FlexBuff tuning
* ~~add Table of contents~~

↪ Yikes! Only in **v1.11** - just found out **not** in **v1.12**
have been editing the wrong document

Compiled-in version information

```
$> vbs_{ls|rm|fs} --version
r62 [git:v0.9.1]
```

```
$> jive5ab --version
jive5ab : 3.1.0-dev : 64bit : Debug : Macverkouter : 19-Dec-2022
        : 15h44m44s : nossapi : /Users/verkouter/src/etransfer
```