

## Radio Observer - Bug #98

### waterfall prestane menit nazvy suborov

07/24/2013 10:58 am - Marian Such

<b>Status:</b>	Closed	<b>Start date:</b>	07/24/2013
<b>Priority:</b>	Normal	<b>Due date:</b>	10/16/2013
<b>Assignee:</b>	Jan Milík	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	4.00 hours
<b>Target version:</b>		<b>Spent time:</b>	0.50 hour

#### Description

waterfall po nejakom case behu (zvacsa 1-2 hodiny) prestane menit nazov suboru a prepisuje dokola subor s rovnakym nazvom. vid log:

```
[2013-07-24 Wed 08:11:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:11:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:12:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:12:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:12:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:13:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:13:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:13:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:14:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:14:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:14:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:15:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:15:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:15:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:16:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:16:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:16:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:17:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:17:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:17:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:18:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:18:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:18:37 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:19:37 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:19:37 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:19:38 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:20:38 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:20:38 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
[2013-07-24 Wed 08:20:38 DEBUG src/WaterfallBackend.cpp:259] Finished writing snapshot.
[2013-07-24 Wed 08:21:38 DEBUG cppapp/Mutex.h:97] Locking mutex...
[2013-07-24 Wed 08:21:38 INFO] Writing snapshot "snapshot_uflu_arm_2013_07_23_23_44_23.fits"...
```

config:

```
[toxygen@toutatis ~]$ cat ~/.waterfall
#
```

```
# Waterfall Configuration File
#
# Edit this file to your liking and copy it to ~/.waterfall
#

# Log file
logfile = /var/log/waterfall.log

# Size of the FFT window.
fft_bins = 32768
# Overlap of the FFT windows.
fft_overlap = 24576

# Location name to be used in the snapshot filenames and FITS file metadata (the ORIGIN header).
location_name = uflu_arm

# Length of a single snapshot in seconds.
waterfall_snapshot_length = 60

# Uncomment the following options to take snapshots of only a part of the spectrum.
# Left (lower) frequency bound of the snapshot in Hz.
waterfall_left_freq = 20000
# Right (higher) frequency bound of the snapshot in Hz.
waterfall_right_freq = 22500

# Uncomment the following options to make the Jack frontend connect to the left
# and right channels (the real and imaginary components of the signal) to the
# specified jack ports.
jack_left_port = system:capture_1
jack_right_port = system:capture_2

[toxygen@toutatis ~]$
```

## History

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### #1 - 08/16/2013 02:23 pm - Jan Milik

- Status changed from New to In Progress
- Priority changed from High to Normal
- Estimated time set to 4.00

Verze 0.1.1 obsahuje hotfix, který při vytváření souboru používá aktuální čas místo času datového streamu. Tím může dojít k rozdílu mezi časem dat a časem v názvu souboru, ale alespoň zatím nedochází k prepisování souboru.

### #2 - 08/16/2013 09:56 pm - Marian Such

Bude zajímavé zjistit příčinu :) není mi úplně jasné, ako je možné, že by sa čas prostě přestal měnit. Hlavně, když se přehazují tie buffere

### #3 - 09/23/2013 12:27 am - Jakub Kakona

Jeste porad je tentle bug platny?

**#4 - 09/24/2013 09:16 pm - Jakub Kakona**

- *Due date set to 10/16/2013*

**#5 - 06/08/2014 12:22 am - Jakub Kakona**

Tenhle bug uz asi neni uple aktualni, protoze se od te doby udelalo hodne zmen. Nicmene by se mel overit az bude implementovano ukladani souboru do definovane slozky.

**#6 - 06/15/2014 11:18 am - Jakub Kakona**

- *Status changed from In Progress to Closed*