

Haskellを用いたGUIツール 2

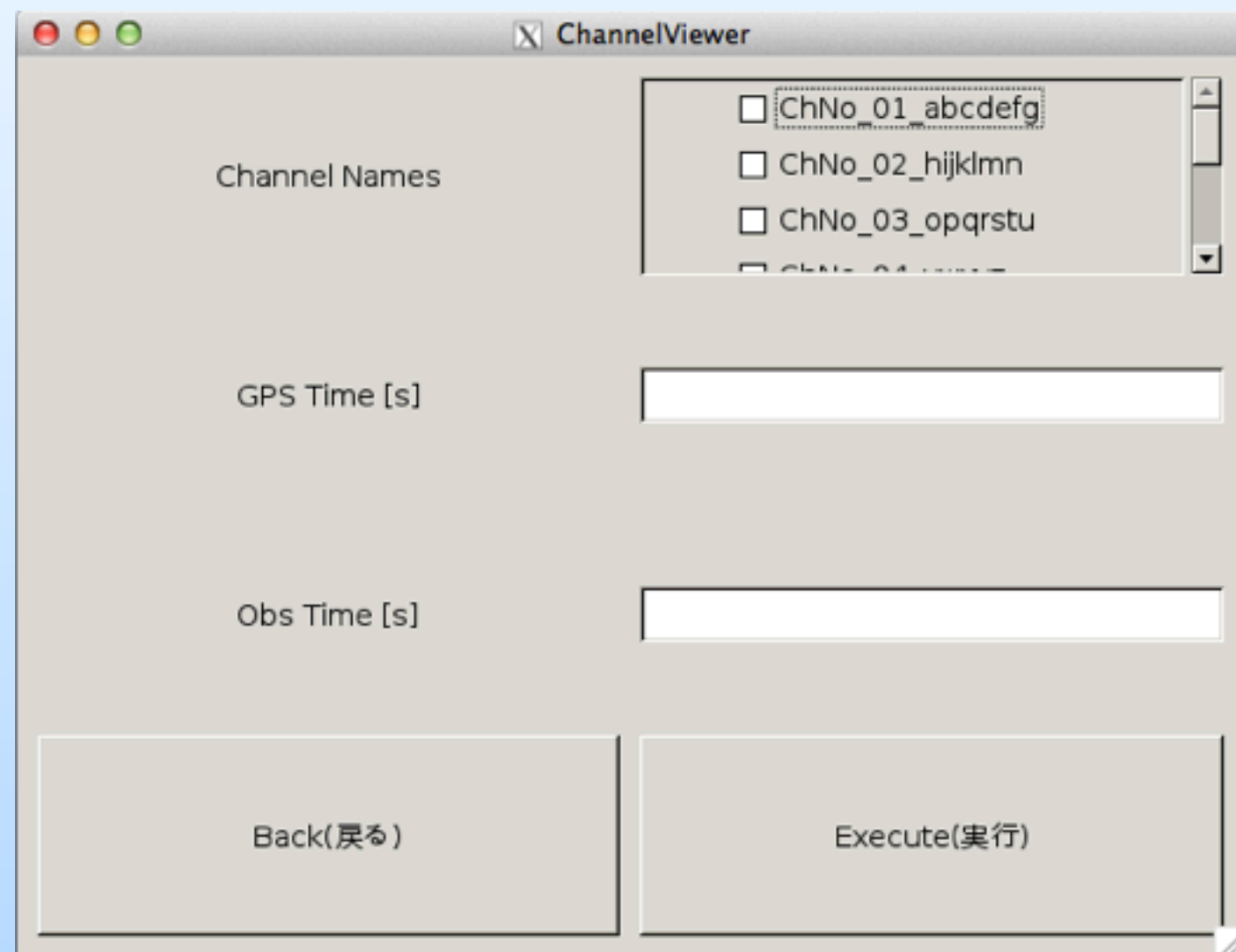
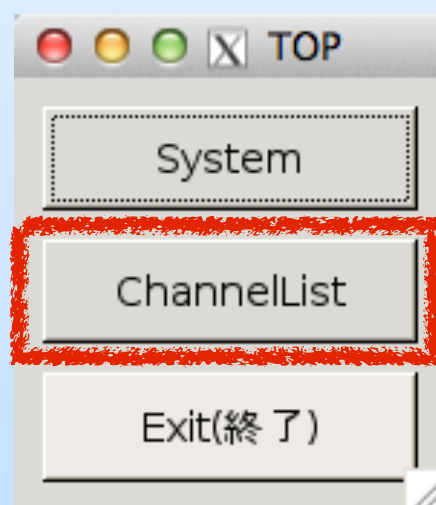
2013年10月29日(火)

DetCharミーティング

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□ 進捗状況

- Haskell + GTKで簡単なプログラムを作成



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- Haskell + GTKで簡単なプログラムを作成

チャンネルリストを取得
チェックボックスで選択

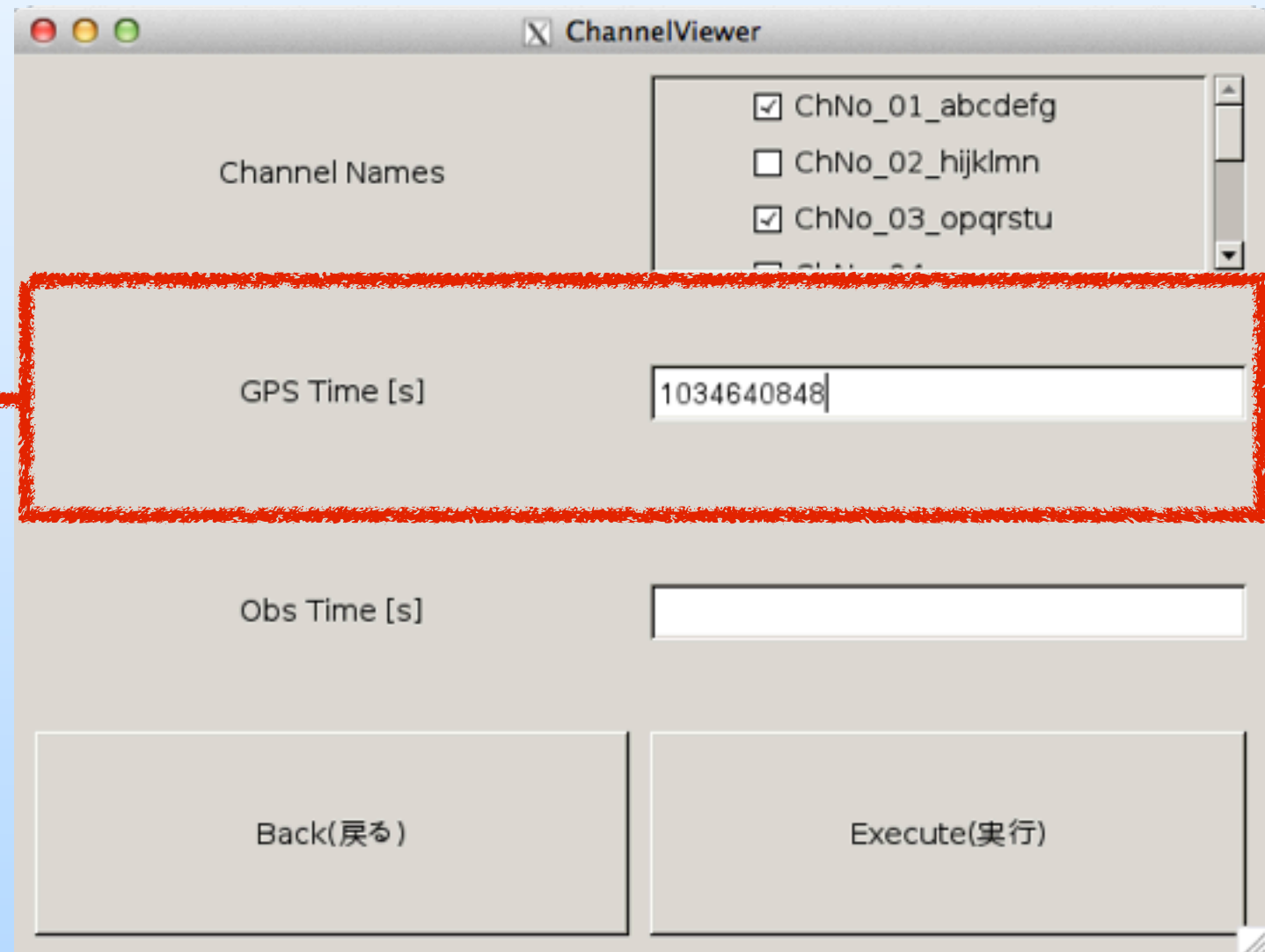
A screenshot of a GTK application window titled 'ChannelViewer'. The window has a light gray background and a standard macOS-style title bar with red, yellow, and green buttons. The main content area is divided into several sections. At the top, there is a section labeled 'Channel Names' which contains a list of three items: 'ChNo_01_abcdefg' (checked), 'ChNo_02_hijklmn' (unchecked), and 'ChNo_03_opqrstu' (checked). Below this, there are two input fields: 'GPS Time [s]' and 'Obs Time [s]', both with empty text boxes. At the bottom, there are two buttons: 'Back(戻る)' and 'Execute(実行)'. A red dashed rectangle highlights the 'Channel Names' list, and a red arrow points from the text on the left to this list.

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チェックボックスで選択

モニタするGPS時刻の入力



ChannelViewer

Channel Names

- ☒ ChNo_01_abcdefg
- ☐ ChNo_02_hijklmn
- ☒ ChNo_03_opqrstu

GPS Time [s] 1034640848

Obs Time [s]

Back(戻る) Execute(実行)

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- Haskell + GTKで簡単なプログラムを作成

チャンネルリストを取得
チェックボックスで選択

モニタするGPS時刻の入力

モニタする時間長さを入力

The screenshot shows a window titled "ChannelViewer" with a light gray background. It contains several input fields and checkboxes. At the top right, there is a list of channel names with checkboxes: "ChNo_01_abcdefg" (checked), "ChNo_02_hijklmn" (unchecked), "ChNo_03_opqrstu" (checked), and "ChNo_04_vwxyz" (partially visible). Below this is a "GPS Time [s]" input field containing the value "1034640848". Further down is an "Obs Time [s]" input field containing the value "128". This "Obs Time" field is highlighted with a red dashed border, and a red arrow points from the text "モニタする時間長さを入力" to it. At the bottom, there are two buttons: "Back(戻る)" on the left and "Execute(実行)" on the right.

□ 進捗状況

● Haskell + GTKで簡単なプログラムを作成

チャンネルリストを取得
チェックボックスで選択

モニタするGPS時刻の入力

モニタする時間長さを入力

これら情報を
DetCharツールに渡す

ChannelViewer

Channel Names

- ☒ ChNo_01_abcdefg
- ☐ ChNo_02_hijklmn
- ☒ ChNo_03_opqrstu
- ☐ ChNo_04_vwxyz

GPS Time [s] 1034640848

Obs Time [s] 128

Back(戻る) Execute(実行)

□ 進捗状況

現状DetCharツールが無いので、情報は標準出力に渡す

```
Terminal — test_gtk — 64x19
justice:/Users/justice/Dropbox/Share/haskell/guiTest% ./test_gtk

"ChannelList" is clicked.
Close "TOP" window and open "ChannelList" window
"Execute" is clicked.
Execute "clicked"
GPS Time: 1034640848
Obs Time: 128
```

The ChannelViewer window displays a list of channel names with checkboxes. The first three channels are checked: ChNo_01_abcdefg, ChNo_02_hijklmn, and ChNo_03_opqrstu. Below the list, there are two input fields: GPS Time [s] with the value 1034640848 and Obs Time [s] with the value 128. At the bottom, there are two buttons: Back(戻る) and Execute(実行).

チェックボックスの判定は未実装

□ まとめ

- 簡単なGUIツールを作成
- チャンネルリスト取得、時刻指定部分を実装
- 各種モニタツールの呼び出し
- FrameデータのIOツールと連結(端山さん)