

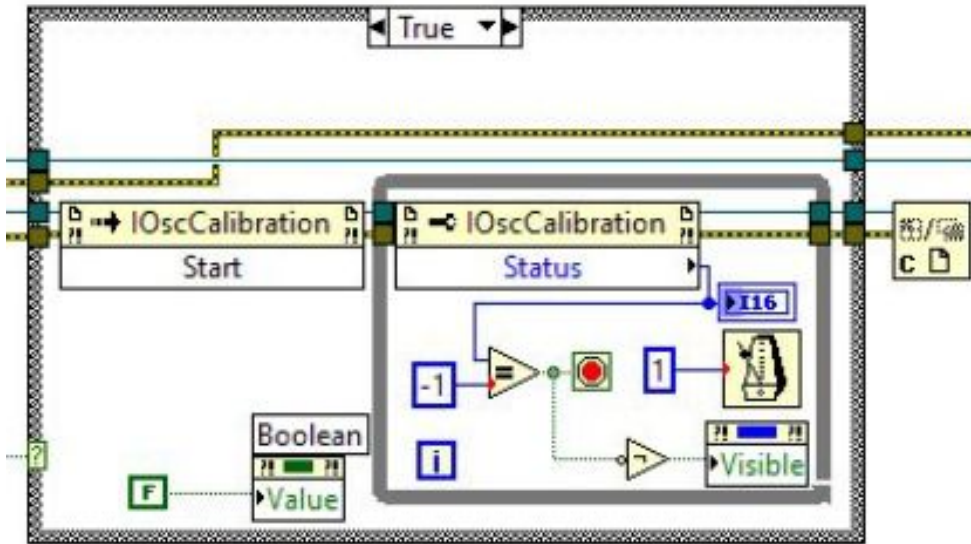
Measurement automation in laboratory physical modeling of seismic data





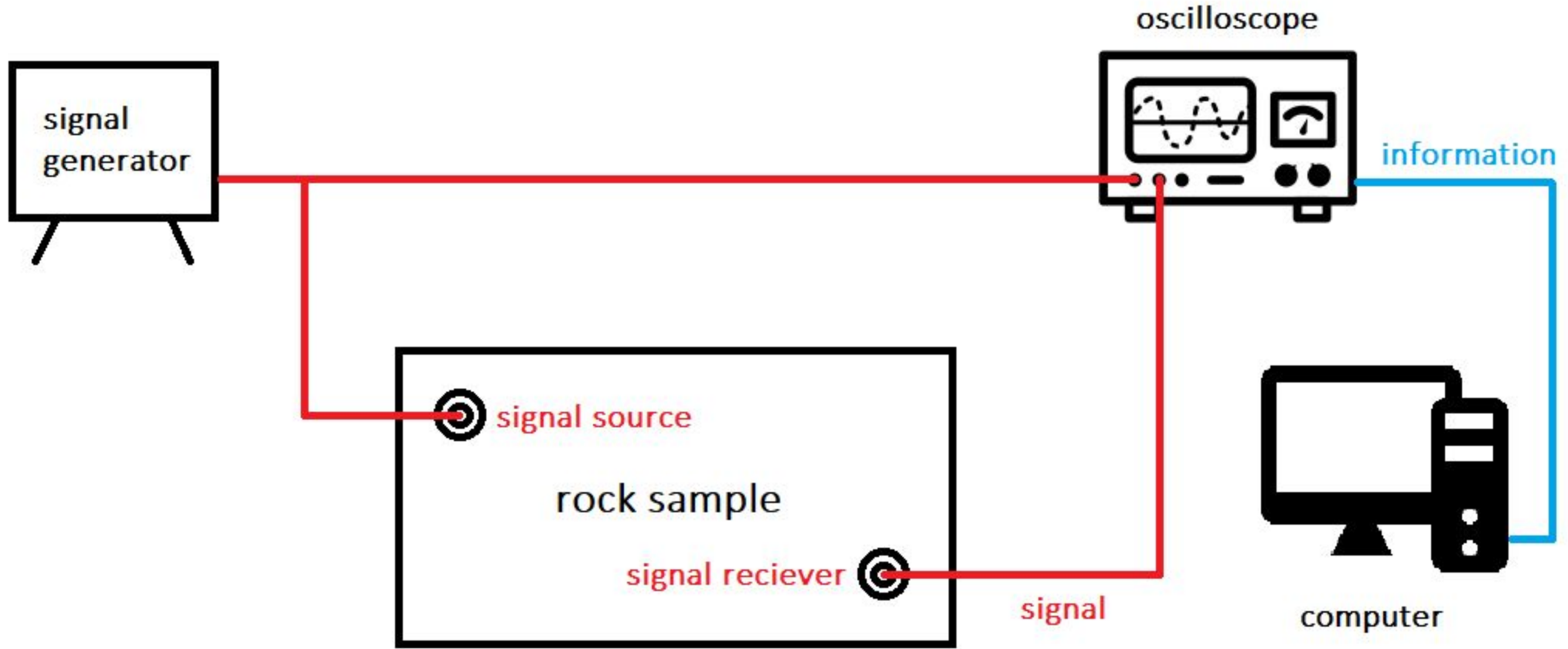
NATIONAL INSTRUMENTS

LabVIEW



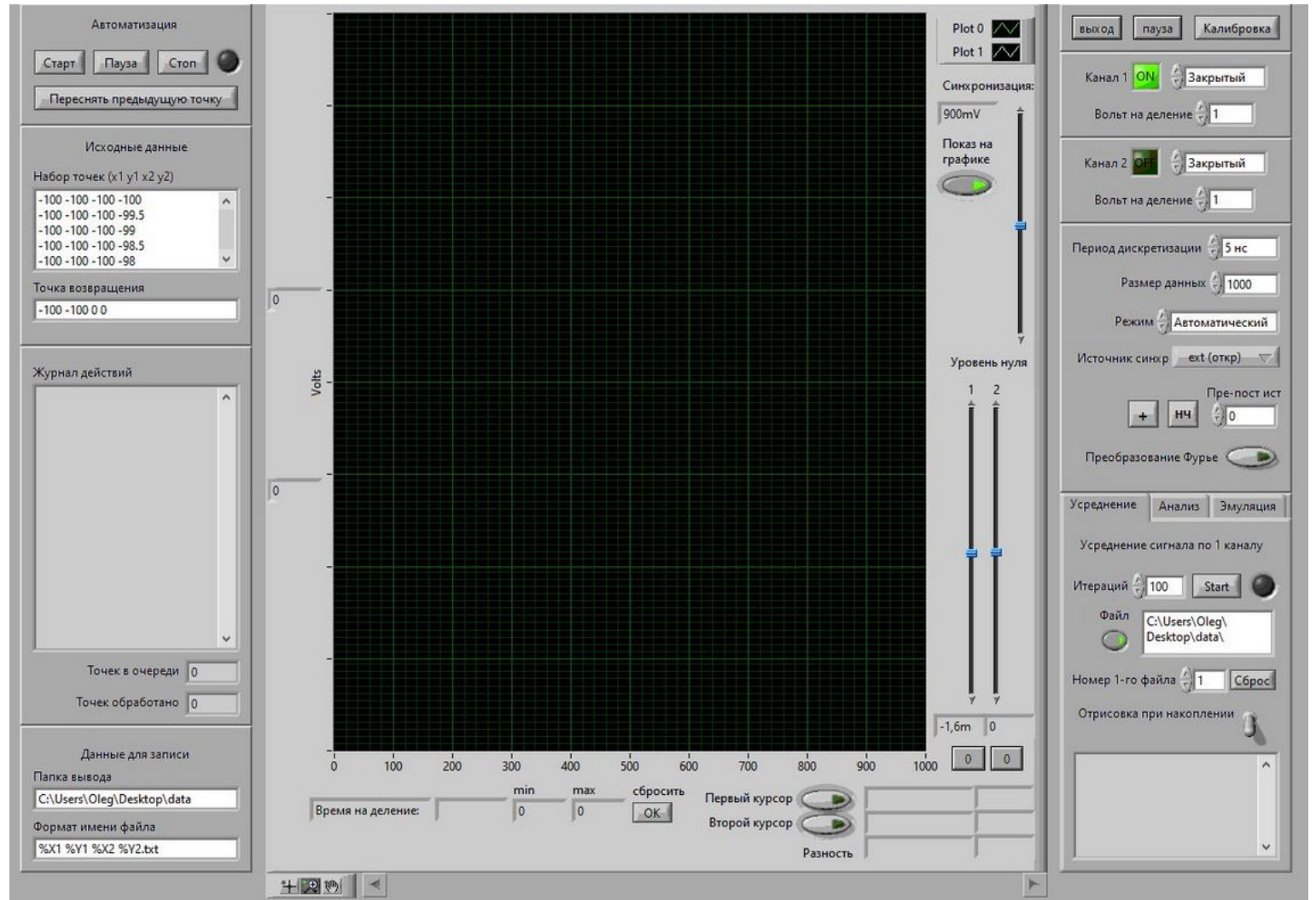
Here should be a picture
of work place





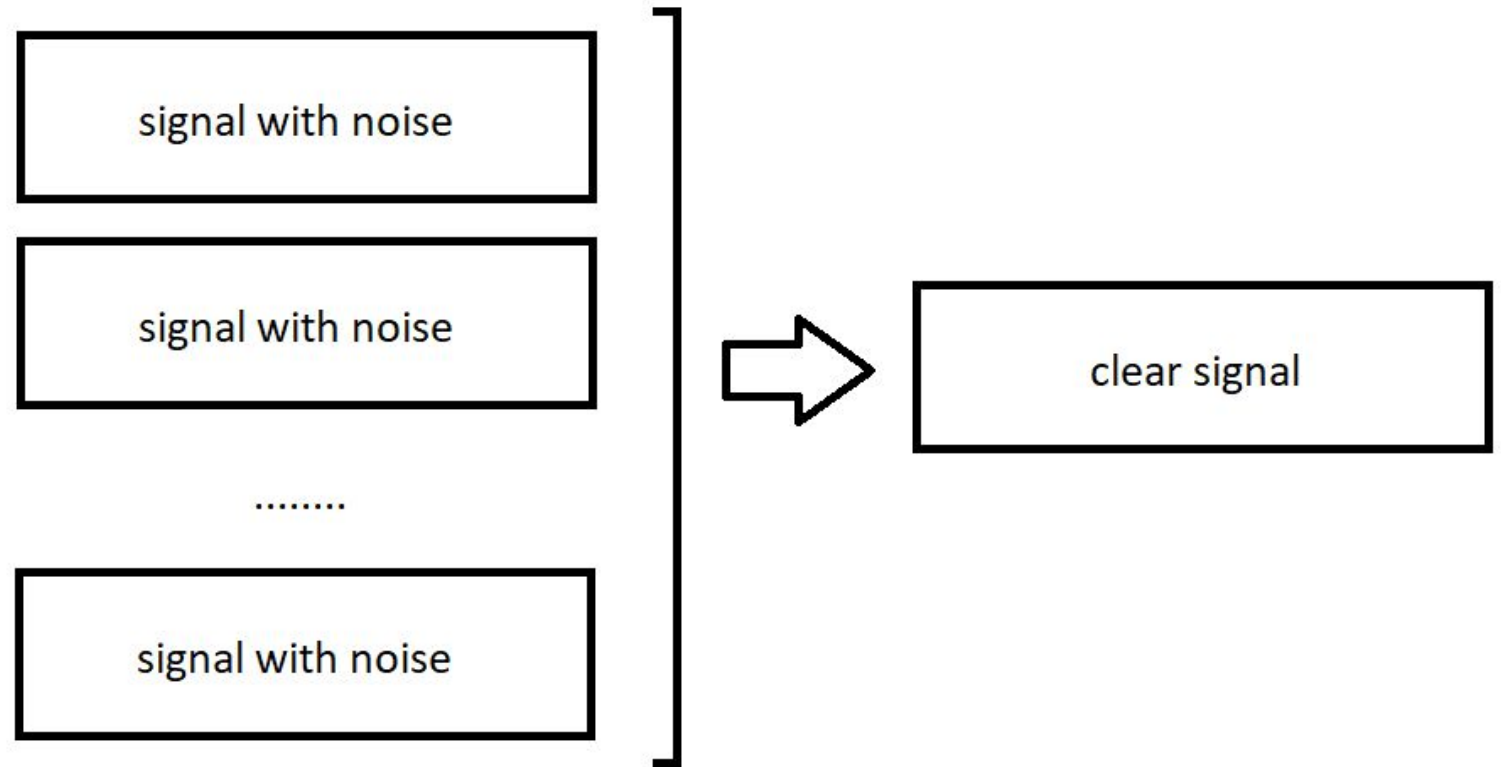
Required functionality:

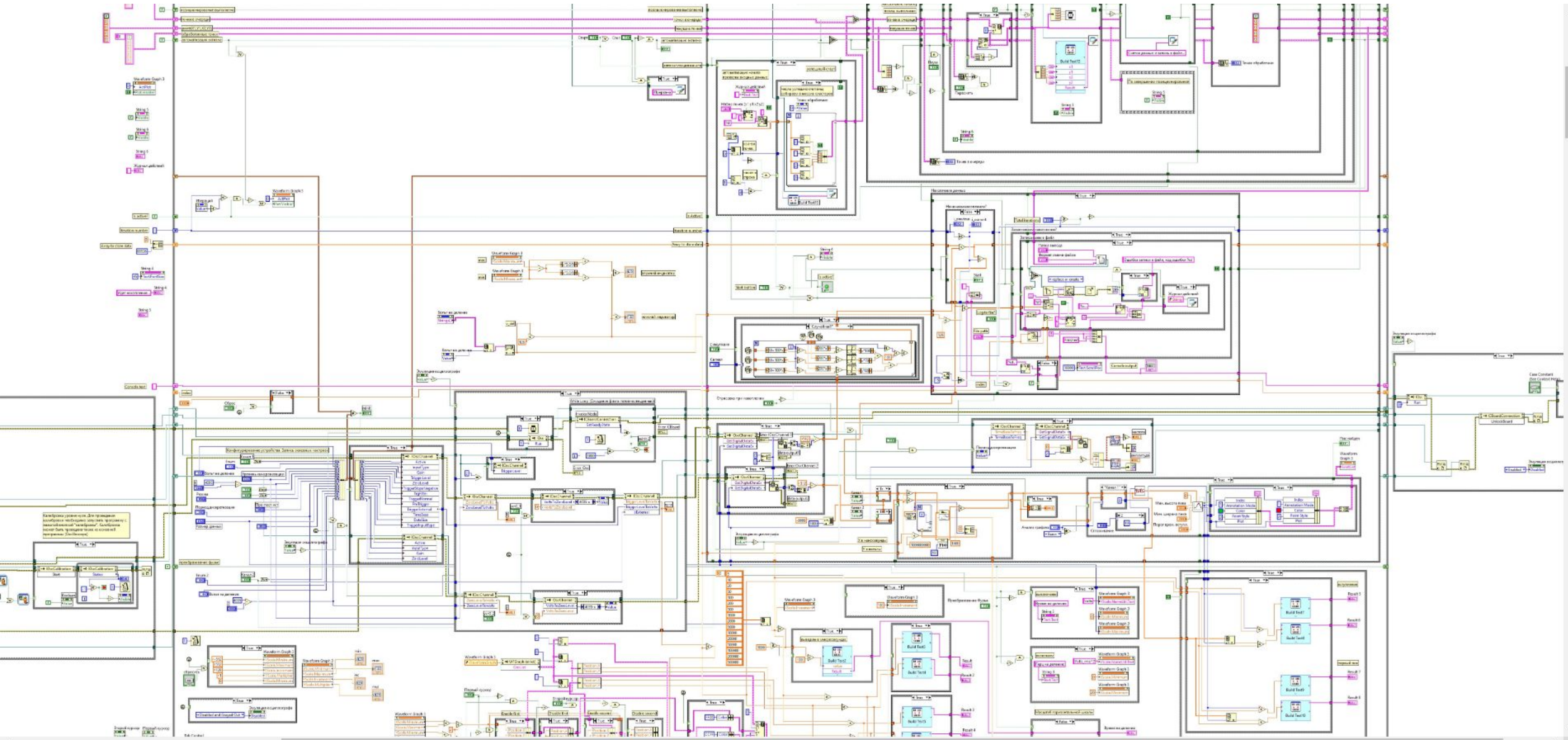
- **Display waveform graphics on the screen**
- **Control oscilloscope settings**
- Accumulation mode
- Positioning of the signal source and receiver using stepper motors



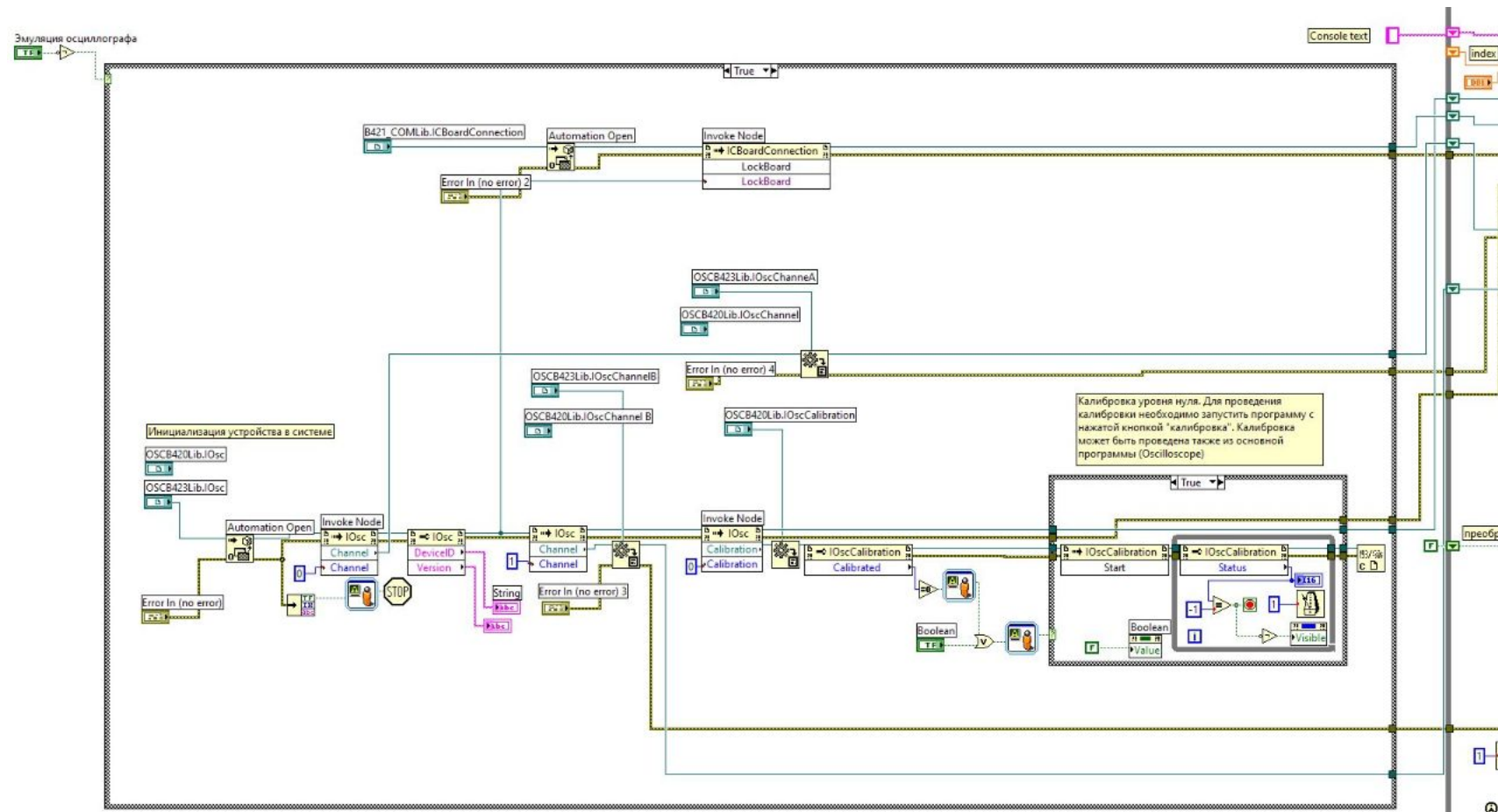
Required functionality:

- Display waveform graphics on the screen
- Control oscilloscope settings
- **Accumulation mode**
- Positioning of the signal source and receiver using stepper motors

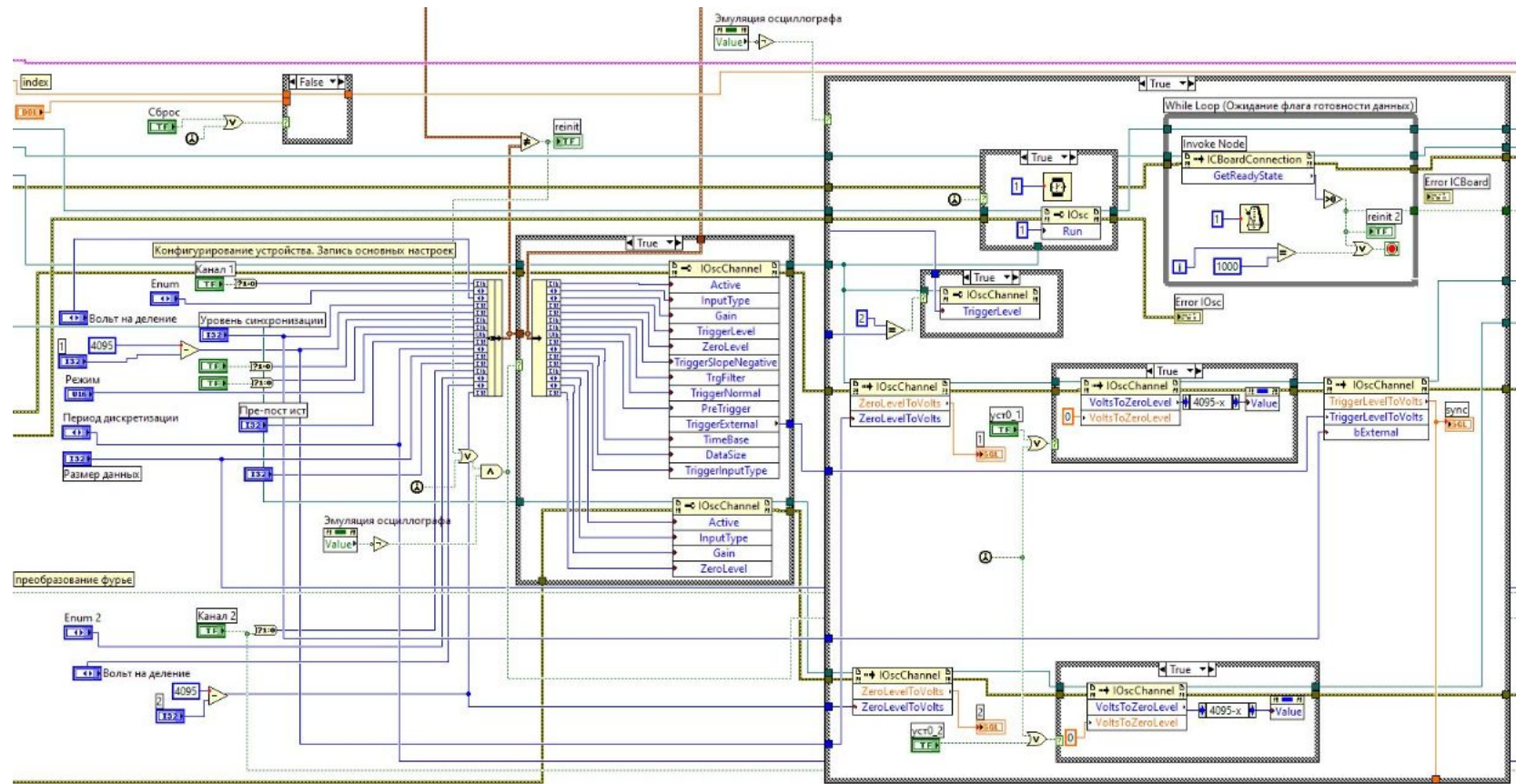




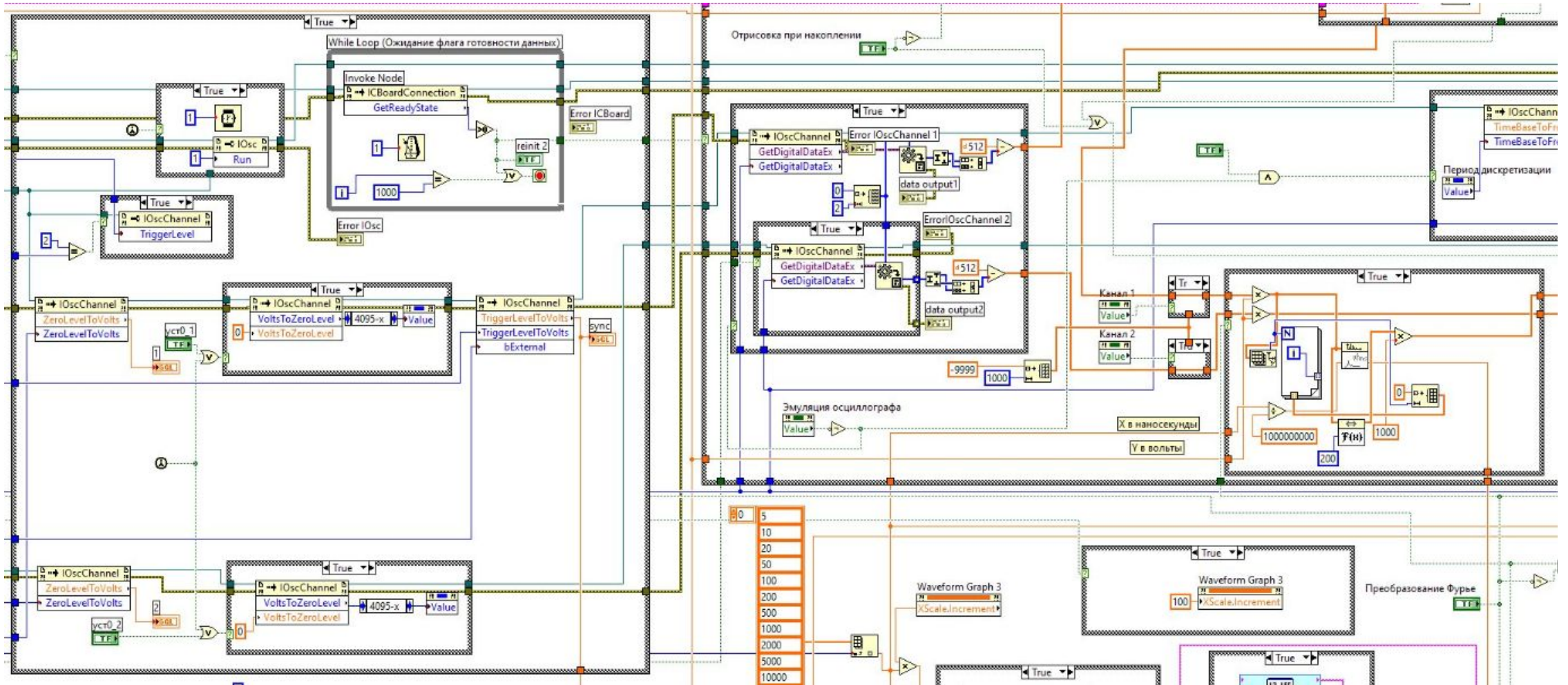
Initialization and main loop



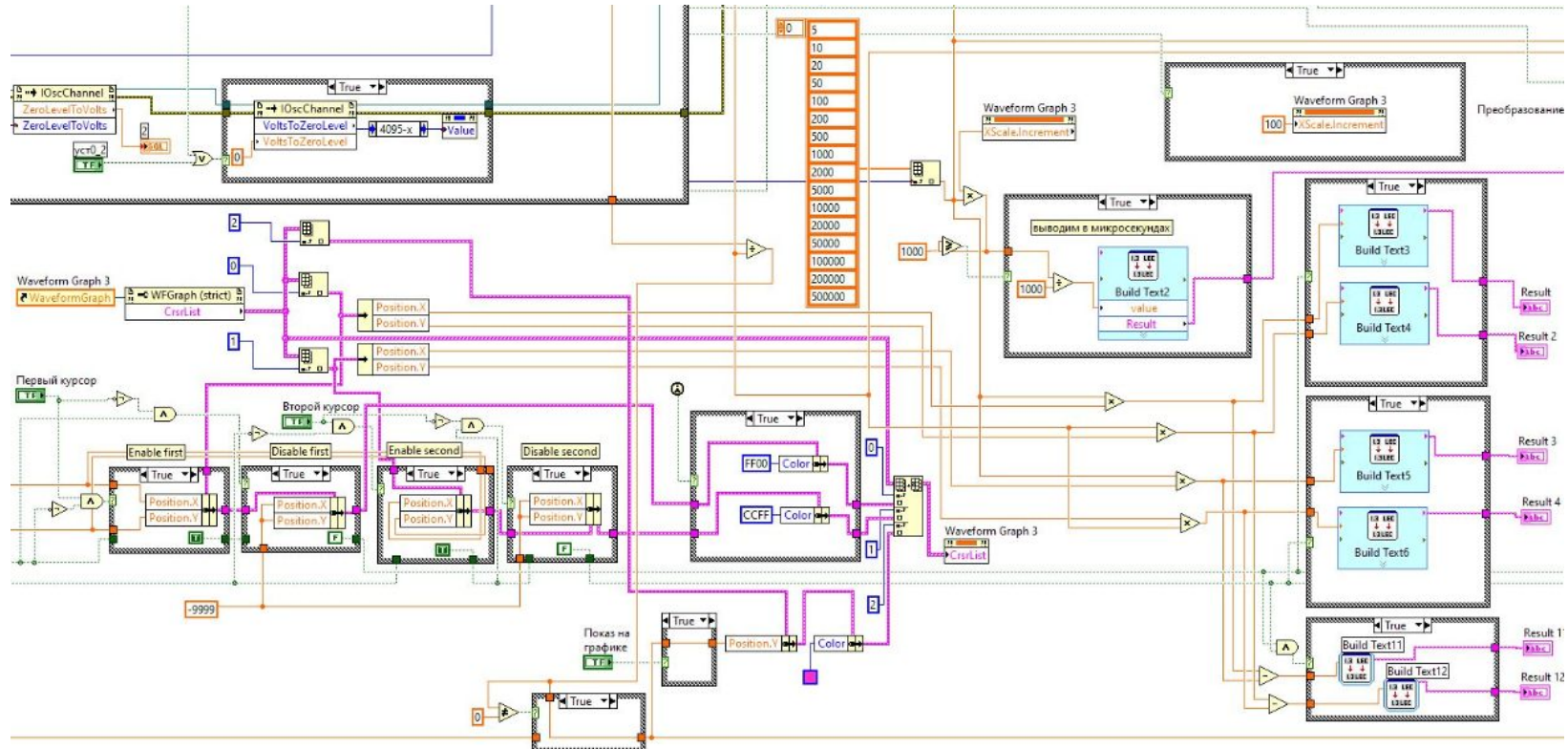
Controlling oscilloscope settings



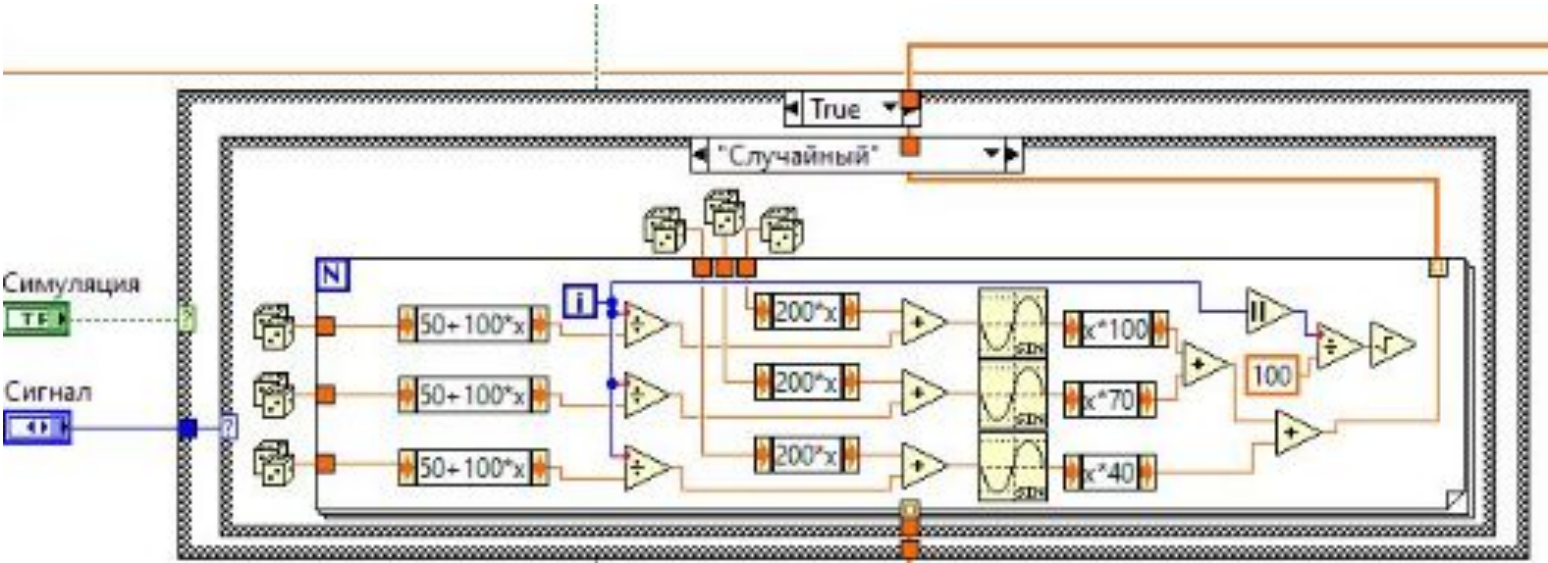
Receiving data and drawing



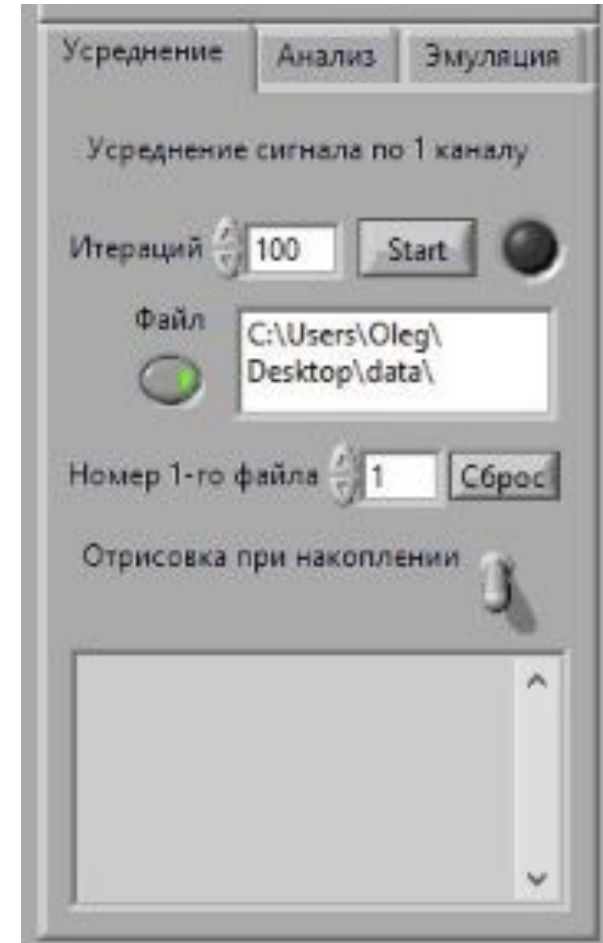
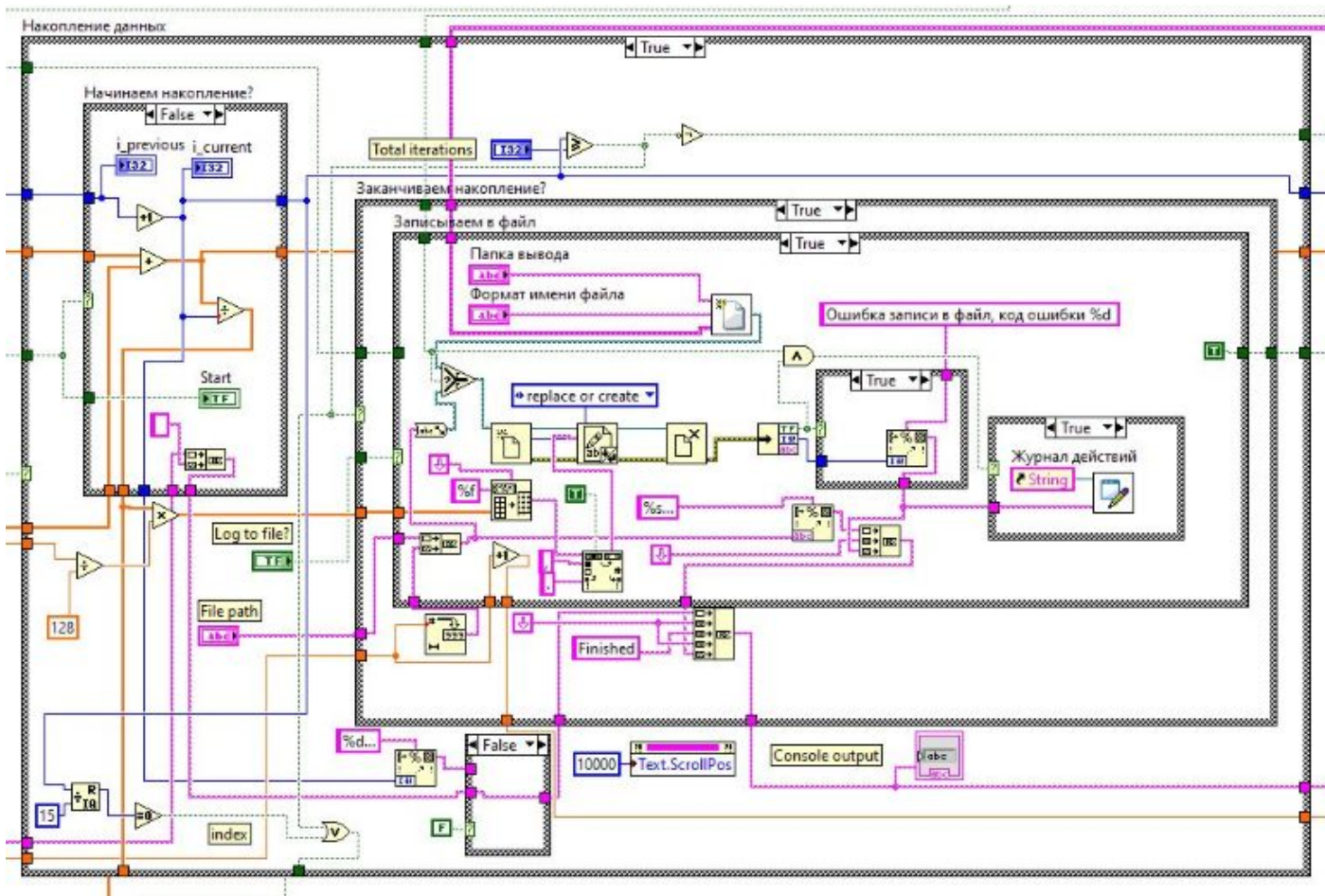
Implementation of cursors



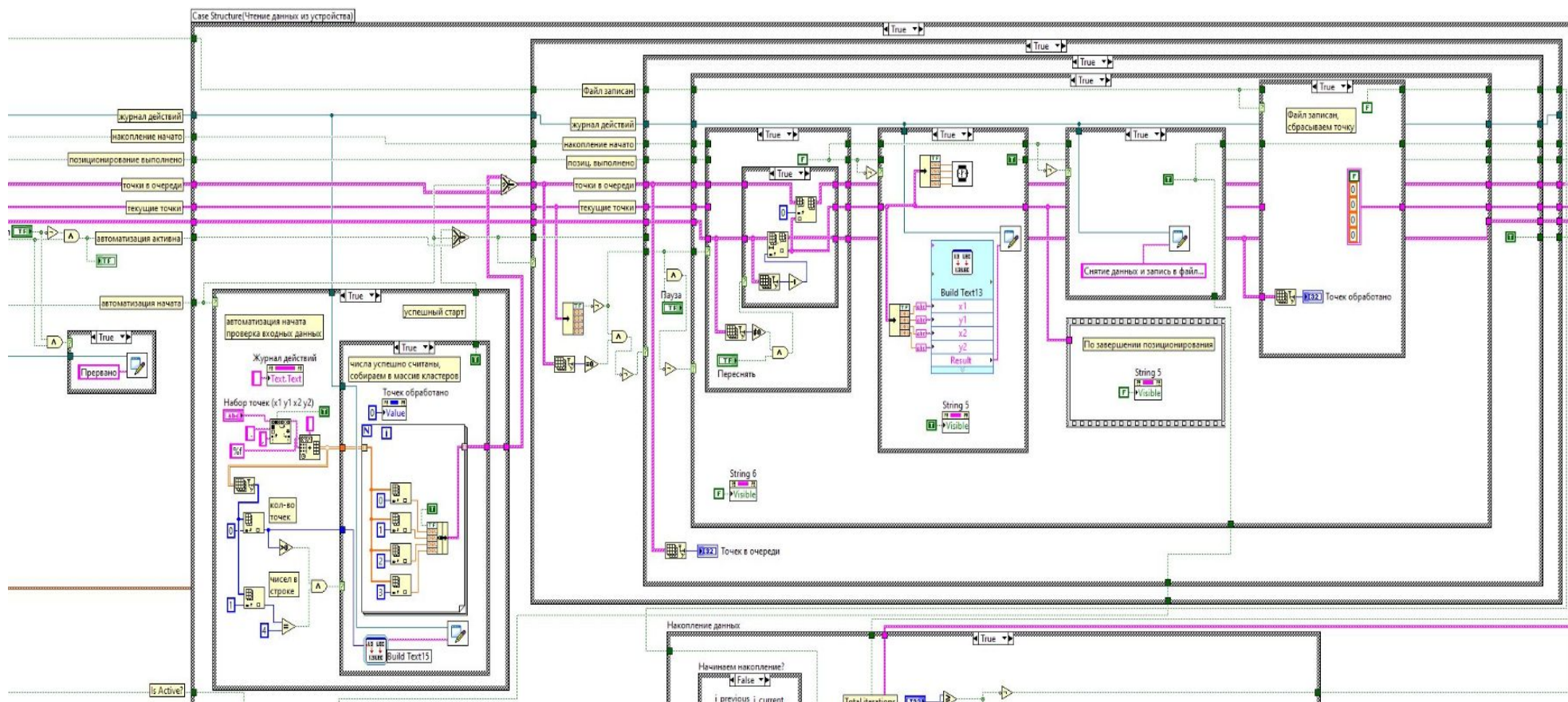
Automatic signal generation



Signal accumulation and averaging



Automation



Автоматизация

Старт Пауза Стоп

Перенять предыдущую точку

Исходные данные

Набор точек (x1 y1 x2 y2)

- 100 -100 -100 -100
- 100 -100 -100 -99.5
- 100 -100 -100 -99
- 100 -100 -100 -98.5
- 100 -100 -100 -98

Точка возвращения

-100 -100 0 0

Журнал действий

Точек в очереди 0

Точек обработано 0

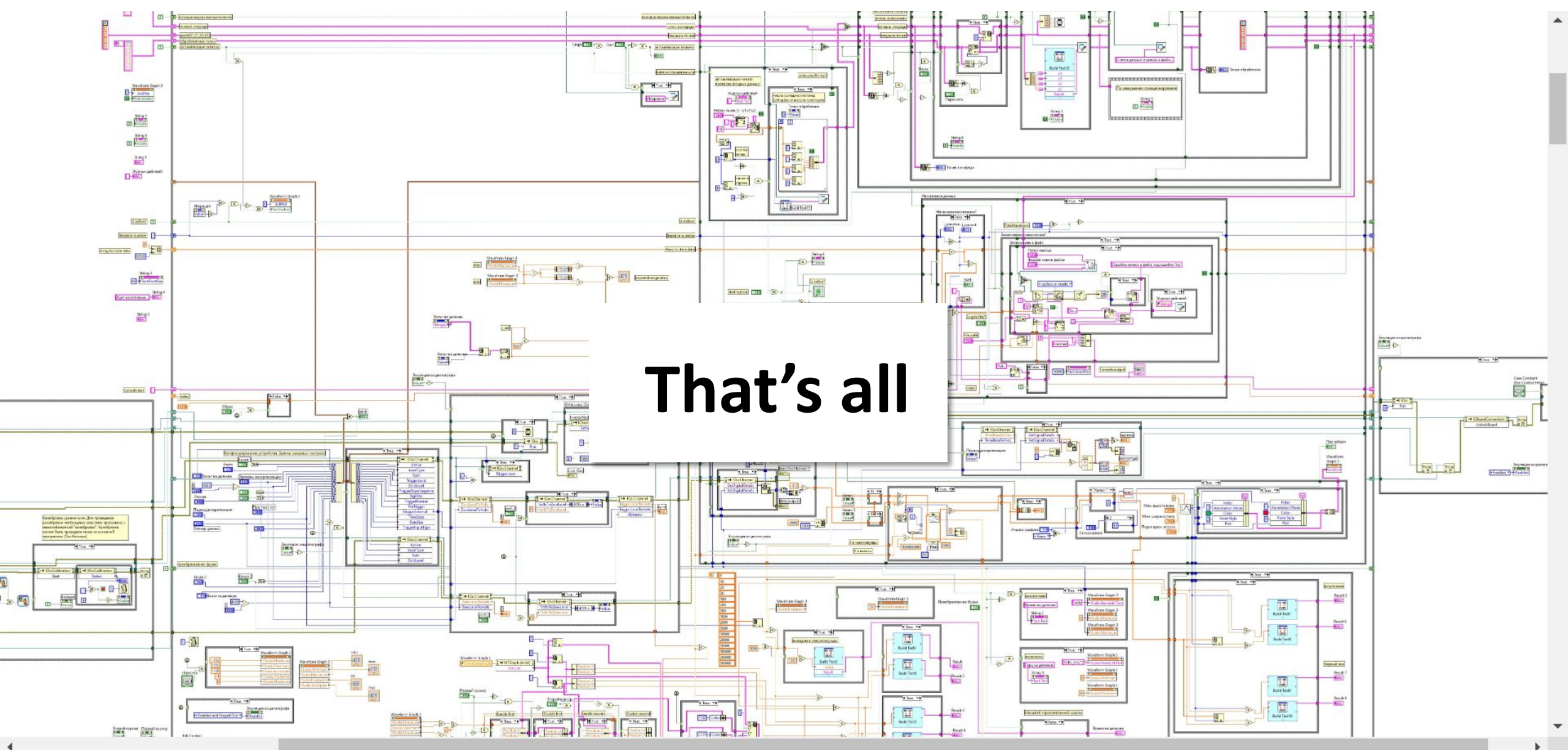
Данные для записи

Папка вывода

C:\Users\Oleg\Desktop\data

Формат имени файла

%X1 %Y1 %X2 %Y2.txt



That's all