Twinkling Dataset Displayer

Brief usage guide

Launch

ultrasound_doppler_twinkling_artifact\Viewer application\
TwinklingDatasetDisplayer.exe

1) Display B-frame

Choose source

Process raw S500 data

Choose data files

ultrasound_doppler_twinkling_artifact\Flow in Gammex phantom (across - linear
probe)\RawBCFCine_08062017_145434_17.par

Select probe geometry

Linear

Choose option

Display

Raw data

B-frames

B-frames

Coord 0 animation

Coord. 1-2 orientation

1=vertical, 2=horizontal

Choose complex-to-grayscale transform
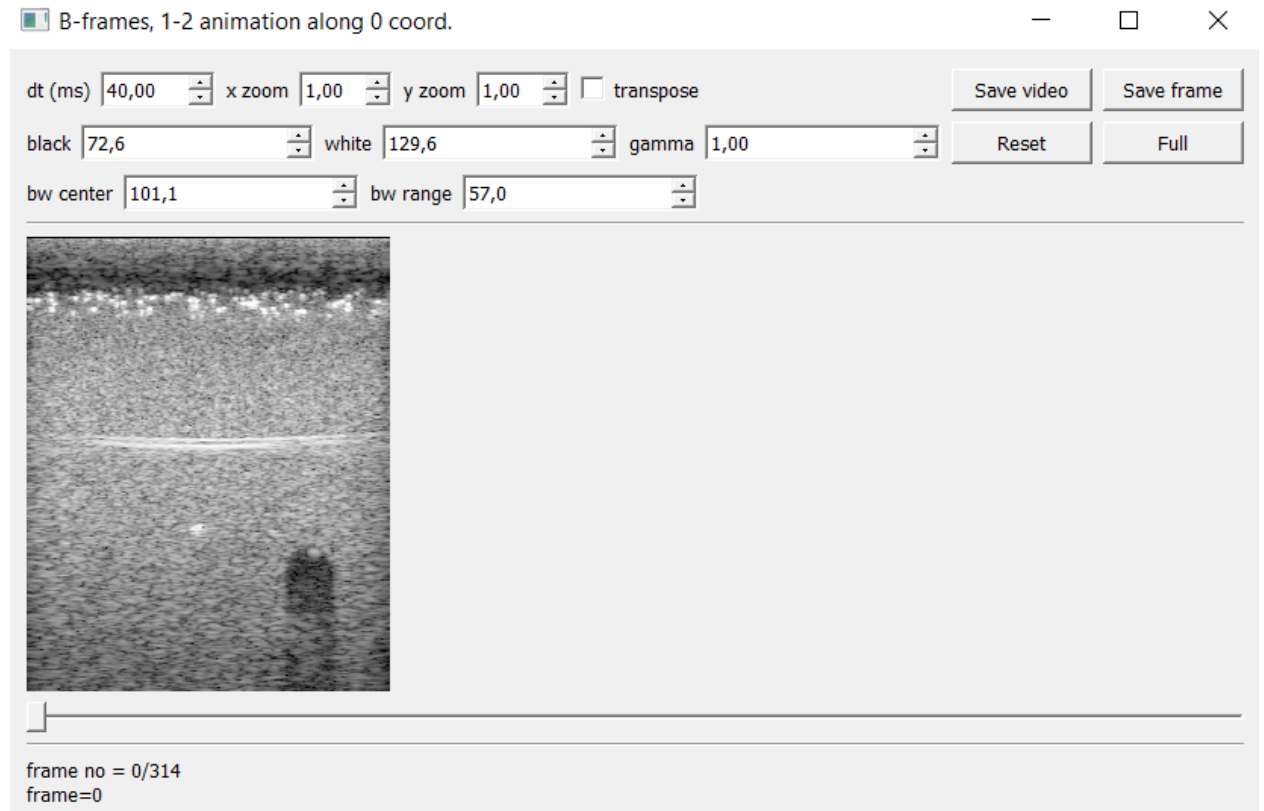
Logarithmic

Dynamic range max

Do not change the default value (66.9683436302)

Dynamic range min

Do not change the default value (9.97876784839)

B-frames, 1-2 animation along 0 coord.: scan conversion options

Scan converter

2) Display CFM-frame

Choose source

Process raw S500 data

Choose data files

ultrasound_doppler_twinkling_artifact\Flow in Gammex phantom (across - linear probe)\RawBCFCine_08062017_145434_17.par

Select probe geometry

Linear

Choose option

Display

Raw data

CFM-frames

CFM-frames

Everything

CFM-frames / CFM-frames

Coord 0 animation

Coord. 1-2 orientation

1=vertical, 2=horizontal

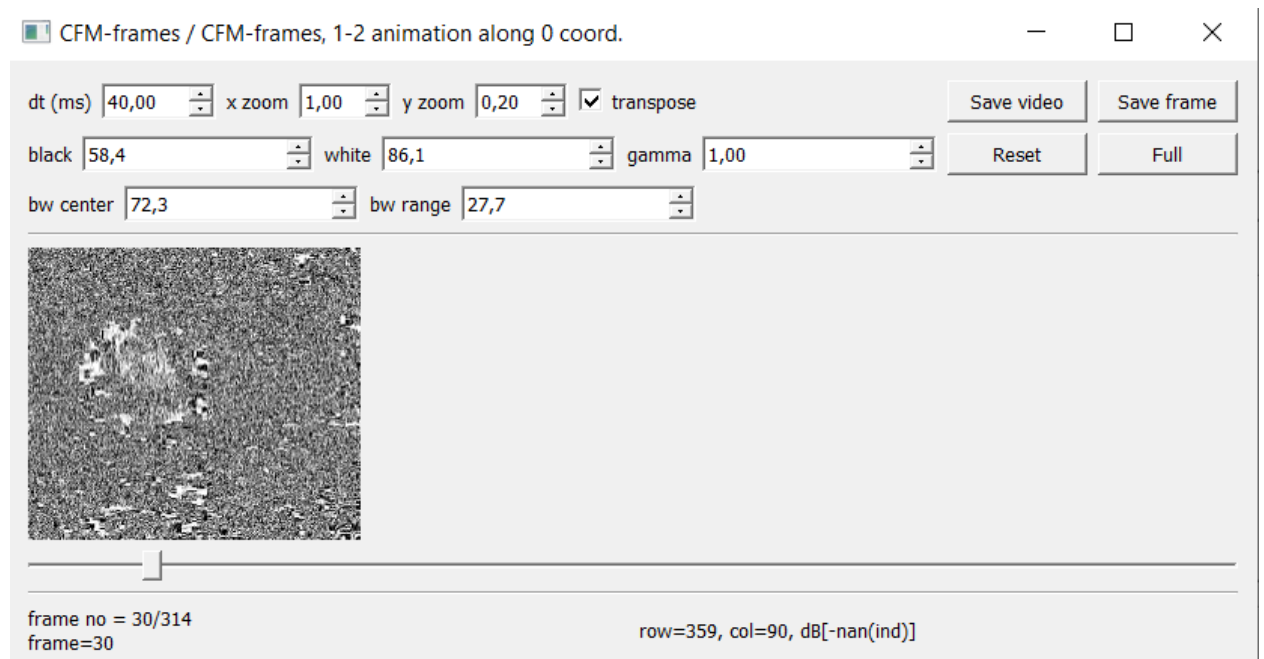**TwinklingDatasetDisplayer**

Logarithmic

Dynamic range max

Do not change the default value (27.2037796626)

Dynamic range min

Do not change the default value (0.0325112395267)

CFM-frames / CFM-frames, 1-2 animation along 0 coord.: scan conversion options:

Raw data

In the lower panel, you can see coordinates:

frame no = 30

row = 359

col = 90

In this example:

row = beam_ number*number_of_shots+shot_ number

col = sample no

3) *Visualize complex signals*

Choose source

Process raw S500 data

Choose data files

ultrasound_doppler_twinkling_artifact\Flow in Gammex phantom (across - linear probe)\RawBCFCine_08062017_145434_17.par

Select probe geometry

Linear

Choose option

Display

Raw data

CFM-frames

CFM-frames

Everything

CFM-frames / CFM-frames

1-2 plane analyzer

Coord. 1-2 orientation

1=vertical, 2=horizontal

Coord. 0 slice # for analyzing

30

CFM-frames

Column

Column to display:

90

Display 'Column #90 at 0.867052 cm'

Real/Imaginary