

Description of data analysis for X-ray tomography system

12 March 2018

Step 1: Prepare raw data files

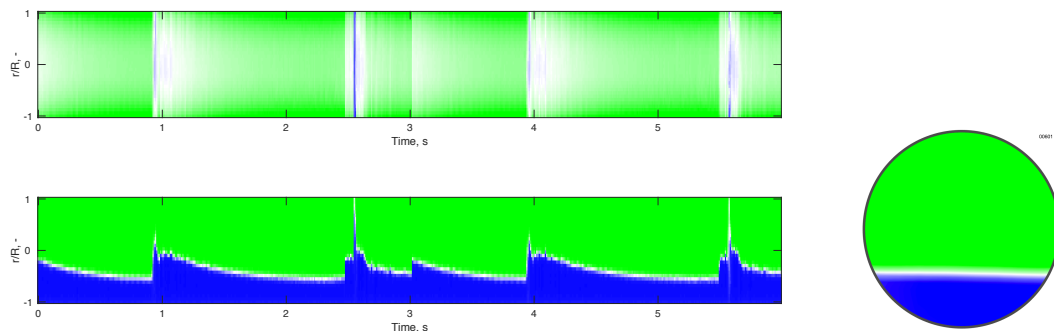
- Copy the files from cFlow™ 4X (such as *2018.03.09-11.30.00.079-wavy flow6_raw-data(0).txt*) to the folders to be processed
- Copy the Matlab script to Matlab working directory

Step 2: Run `main_gas_liquid.m`

- Define analysis parameter(s) and experimental file name if needed

```
%input parameters  
ctPlotInterval = 1;  
exp_file_name =
```

- Run the script to obtain results i.e. projections (left) and tomography (right)



- Configure `show_CT.m` to turn on/off saving options

```
%save tomographs to files if isave_tif = 1  
isave_tif = 0;
```

```
%define if show tomograph on the screen, yes if ishow_CT = 1  
ishow_CT = 1;
```

Step 3: Adjust 3D plot

- By default, 3D plot (isosurface) is generated.
- Parameters and colors can be adjusted by settings in `plot3D.m`

