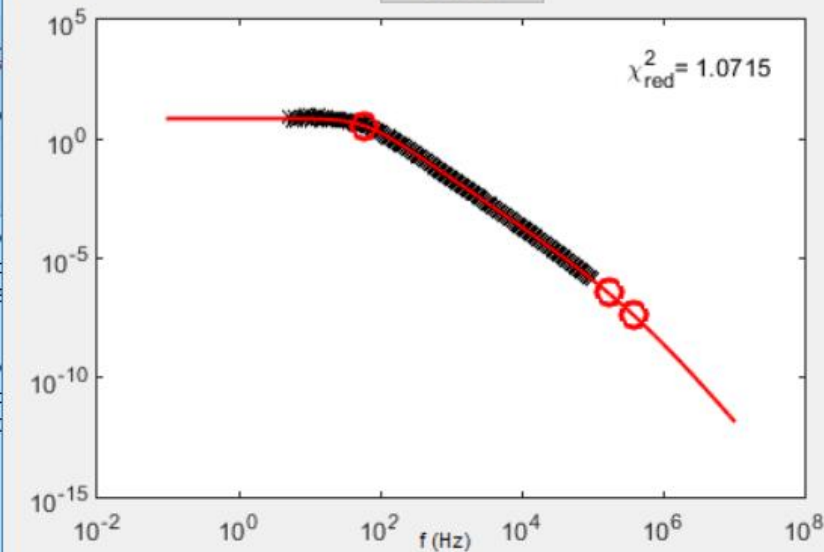


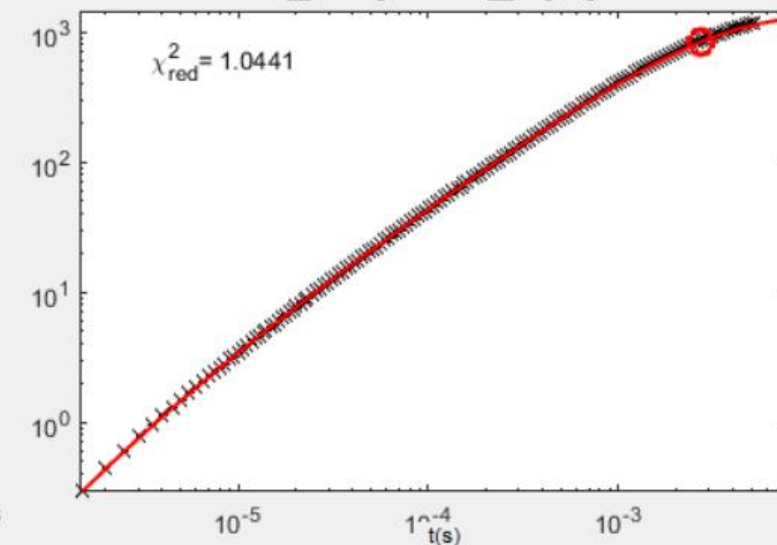
PSD (nm²/Hz)

Clear All



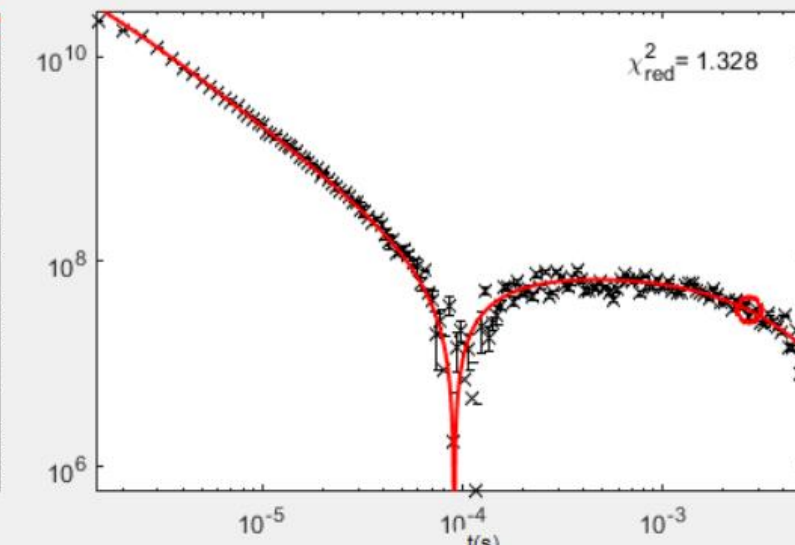
Load PSD

ta\water\BIN_PSD_X_01_H2O_Res_1.88um_ND2_2MHz.txt

MSD (nm²)☐ Lin-Log☒ Log-Log

Load MSD

ta\water\BIN_MSD_X_01_H2O_Res_1.88um_ND2_2MHz.t

VAF (nm²/s²)

Load VAF

Testdata\water\BIN_VAF_X_01_H2O_Res_1.88um_ND2_2MH

Fitting Options

Model select

☒ Spherical ☐ Non-spherical

Transformation

☐ Linear ☒ Logarithmic

Functions to fit

☒ Fit PSD ☒ Fit MSD ☒ Fit VAF

Set fit limits

5 Hz - 1e5 Hz

Set

1e-6 s - 0.005 s

Reset

General Parameters

Temperature (°C) 22

Particle density (g/cm³) 1.96Fluid density (g/cm³) 1

Fluid viscosity (mPas) 0.94

Plotting Options

☐ Show Residual Plots☐ Show Fits

Manual fitting

R(um) 0.94

k (uN/m) 6.13

beta² (nm²/V²) 155.21PSDrot (V²/Hz) 0.00000MSDrot (V²) 0.00

Taurot (s) 0.001 t0 (s) 0.001

Initial Guess

☒ Automatic ☐ Manual ☐ Global Min

Start Fitting

Plot with actual paramers

Fit selected curve

Fit all in Folder

From 1 To 22

Export current

Find Global Minimum

Folder Export to:

File

Fitting Report

Status

Fitting successful

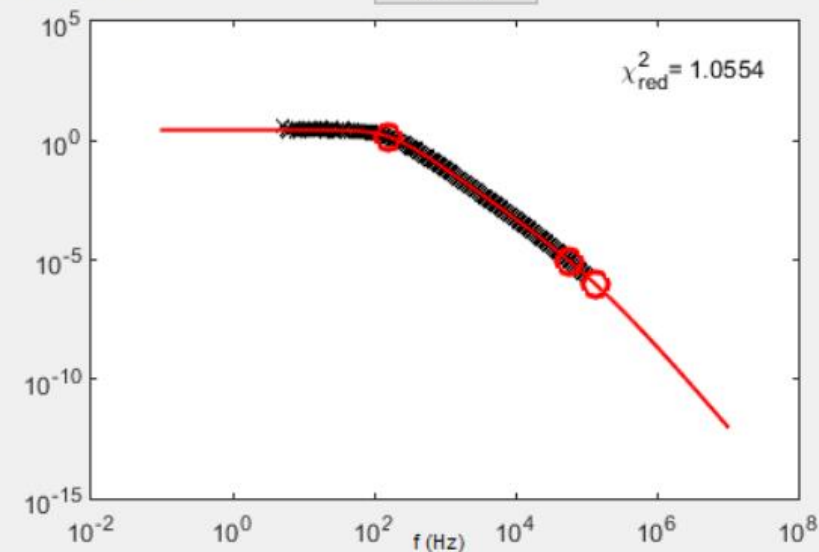
Results

Reduced Chi-square: 1.0611

	Initial Guess	Final Fit	Confidence	
R	0.95	0.94	0.94	0.94
k	5.96	6.13	6.08	6.19
beta ²	152.17	155.21	152.06	158.42
PSDrot		0.00000	0.00000	0.00000
MSDrot		0.00	0.00	0.00

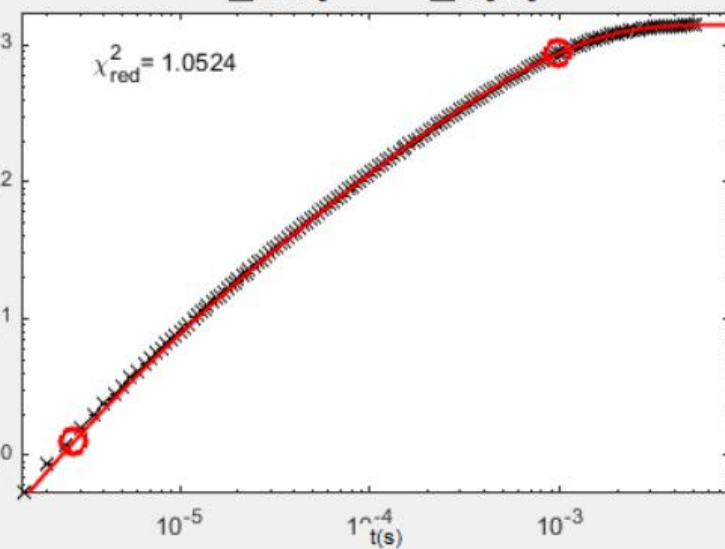
PSD (nm²/Hz)

Clear All



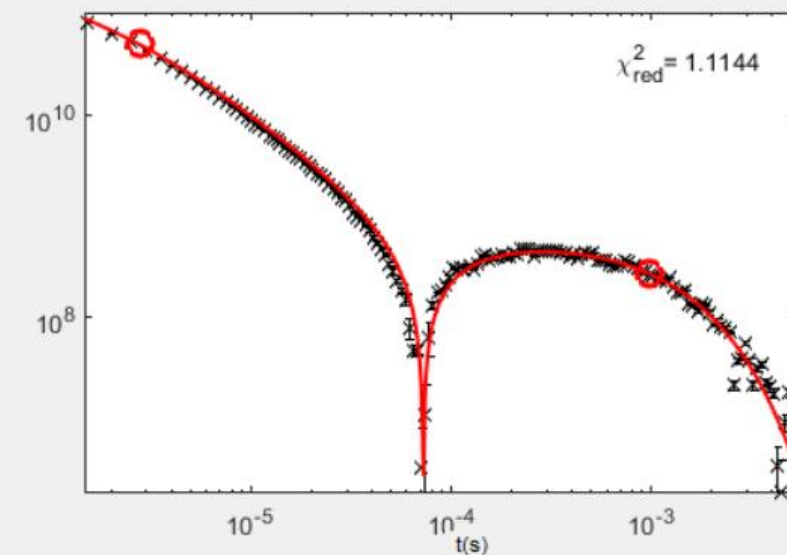
Load PSD

acetone\BIN_PSD_X_13_Acet_Res_1.88um_ND2_2MHz.txt

MSD (nm²)☐ Lin-Log☒ Log-Log

Load MSD

data\acetone\BIN_MSD_X_13_Acet_Res_1.88um_ND2_2MH

VAF (nm²/s²)

Load VAF

stdata\acetone\BIN_VAF_X_13_Acet_Res_1.88um_ND2_2MH

Fitting Options

Model select

☒ Spherical ☐ Non-spherical

Transformation

☒ Linear ☐ Logarithmic

Functions to fit

☒ Fit PSD ☒ Fit MSD ☒ Fit VAF

Set fit limits

5 Hz - 1e5 Hz

1e-6 s - 0.005 s

General Parameters

Temperature (°C)

Particle density (g/cm³)

Fluid density (g/cm³)

Fluid viscosity (mPas)

Plotting Options

☐ Show Residual Plots

☐ Show Fits

Manual fitting

R(um) ☒

k (uN/m) ☐

beta^2 (nm²/V²) ☐

PSDrot (V²/Hz) ☐

MSDrot (V²) ☐

Taurot (s) t0 (s)

Initial Guess

☒ Automatic ☐ Manual ☐ Global Min

Start Fitting

From To

Folder

Export to:

File

Fitting Report

Status

Fitting successful

Results

Reduced Chi-square:

	Initial Guess	Final Fit	Confidence
R	0.85	0.94	0.94
k	5.23	5.79	5.78
beta^2	115.11	103.74	103.44
PSDrot		0.00000	0.00000
MSDrot		0.00	0.00