These data are freely available under a Creative Commons Attribution 4.0 International (CC-BY 4.0) Licence.

They are part of the following data publication and should be cited as:

Warsitzka, M., Ge, Z., Schönebeck, J.-M., Pohlenz, A., & Kukowski, N. (2019). Ring-shear test data of foam glass beads used for analogue experiments in the Helmholtz Laboratory for Tectonic Modelling (HelTec) at the GFZ German Research Centre for Geosciences in Potsdam and the Institute of Geosciences, Friedrich Schiller University Jena. GFZ Data Services

ZIP folder	Folder size	File name	File format	Content
		2019-002_Warsitzka-et-al_List-of-files	.pdf	List of files
		2019-002_Warsitzka-et-al_Description-of-data	.pdf	Description of data and methods
2019-002_Warsitzka-et-al_Scripts	6 kb	RSTanalysis	.py	Python script for analysing and plotting friction and time series data (Mohr plot, histograms, shear curves)
		VSTanalysis	.py	Python script for analysing and plotting VST data
2019-002_Warsitzka-et-al_Data-files	12101 kb	392-01_GFZ_foamglass250_dynamic	.txt	Pairs of normal stress and corresponding shear strength for dynamic friction
		392-01_GFZ_foamglass250_hist	.pdf	Histograms of friction coefficients and cohesions
		392-01_GFZ_foamglass250_linregr	.pdf	Mohr plot of friction data
		392-01_GFZ_foamglass250_peak	.txt	Pairs of normal stress and corresponding shear strength for peak friction
		392-01_GFZ_foamglass250_reactivation	.txt	Pairs of normal stress and corresponding shear strength for reactivation friction
		392-01_GFZ_foamglass250_ts	.pdf	Visualization of time series data (shear curves): Shear stress vs. displacement for 18 measurements
		392-01_GFZ_foamglass250_ts	.txt	Table of time series data for 18 measurements of shear stress (Pa, collumns 2-19) at given normal stresses (Pa, first cell in each column) vs. time (column 1)
		393-01_GFZ_foamglass100_dynamic	.txt	Pairs of normal stress and corresponding shear strength for dynamic friction
		393-01_GFZ_foamglass100_hist	.pdf	Histograms of friction coefficients and cohesions
		393-01_GFZ_foamglass100_linregr	.pdf	Mohr plot of friction data
		393-01_GFZ_foamglass100_peak	.txt	Pairs of normal stress and corresponding shear strength for peak friction
		393-01_GFZ_foamglass100_reactivation	.txt	Pairs of normal stress and corresponding shear strength for reactivation friction
		393-01_GFZ_foamglass100_ts	.pdf	Visualization of time series data (shear curves): Shear stress vs. displacement for 18 measurements
		393-01_GFZ_foamglass100_ts	.txt	Table of time series data for 18 measurements of shear stress (Pa, collumns 2-19) at given normal stresses (Pa, first cell in each column) vs. time (column 1)
		411-01_GFZ_foamglass100-quartzsand_dynamic	.txt	Pairs of normal stress and corresponding shear strength for dynamic friction
		411-01_GFZ_foamglass100-quartzsand_hist	.pdf	Histograms of friction coefficients and cohesions
		411-01_GFZ_foamglass100-quartzsand_linregr	.pdf	Mohr plot of friction data
		411-01_GFZ_foamglass100-quartzsand_peak	.txt	Pairs of normal stress and corresponding shear strength for peak friction
		411-01_GFZ_foamglass100-quartzsand_reactivation	.txt	Pairs of normal stress and corresponding shear strength for reactivation friction
		411-01_GFZ_foamglass100-quartzsand_ts	.pdf	Visualization of time series data (shear curves): Shear stress vs. displacement for 18 measurements
		411-01_GFZ_foamglass100-quartzsand_ts	.txt	Table of time series data for 18 measurements of shear stress (Pa, collumns 2-19) at given normal stresses (Pa, first cell in each column) vs. time (column 1)
		411-01_GFZ_foamglass-quartzsand_vst	.pdf	Visualization of the VST data
		411-01_GFZ_foamglass-quartzsand_vst	.txt	Table of the VST data: time, shear velocity, normal force, shear force
		412-01_GFZ_foamglass100_vst	.pdf	Visualization of the VST data
		412-01_GFZ_foamglass100_vst	.txt	Table of the VST data: time, shear velocity, normal force, shear force
		413-01_GFZ_foamglass250_vst	.pdf	Visualization of the VST data
		413-01_GFZ_foamglass250_vst	.txt	Table of the VST data: time, shear velocity, normal force, shear force
		GFZ_Foamglass100_001	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_002	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_003	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_004	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_005	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_006	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass100_007	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass250_001	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass250_002	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass250_003	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass250_004	.tif	Scanning electron mircoscope image of the material
		GFZ_Foamglass250_005	.tif	Scanning electron mircoscope image of the material