Package 'tofsimsData'

February 26, 2026

Type Package

Title Import, process and analysis of ToF-SIMS imaging data

Version 1.38.0

Date 2014-10-23

Author Lorenz Gerber, Viet Mai Hoang

Maintainer Lorenz Gerber <genfys@gmail.com>

Depends R (>= 3.2.0)

Description This packages contains data to be used with the 'tofsims' package.

License GPL-3

Suggests knitr, rmarkdown, tools

VignetteBuilder knitr

biocViews ExperimentData, MassSpectrometry, ImagingMassSpectrometry, DataImport

NeedsCompilation no

git_url https://git.bioconductor.org/packages/tofsimsData

git_branch RELEASE_3_22

git_last_commit 0519797

git_last_commit_date 2025-10-29

Repository Bioconductor 3.22

Date/Publication 2026-02-26

Contents

---

tofsimsData-package   *tofsimsData*

Description

ToF-SIMS Toolbox

Details

Package:	tofsimsData
Type:	Package
Version:	0.99
Date:	23-10-2014
License:	GPL (>=2)
LazyLoad:	yes

Toolbox for Time-of-Flight Secondary Ion Mass-Spectrometry (ToF-SIMS) data processing and analysis. The package facilitates importing of raw data files, loading preprocessed data and a range of multivariate analysis methods that are most commonly applied in imaging (ToF-SIMS) mass spectrometry.

Author(s)

Lorenz Gerber <lorenz.gerber@slu.se>

---

testImage   *Example ToF-SIMS data*

Description

A dataset containing a MassImage recorded on a Ulvac-Phi TRIFT-II ToF-SIMS. The .RAW data file was imported using tofsimsImage<-MassImage('ulvacrawpeaks','filename', PeakList=tofsimsSpectra). The sample is a freeze-dried transversal poplar wood section of 100 micrometer thickness.

Usage

```
data(tofsimsData)
```

Format

A MassImage object

Value

MassImage object

---

testSpectra   *Example ToF-SIMS data*

Description

A dataset containing a MassSpectra recorded on a Ulvac-Phi TRIFT-II ToF-SIMS. The .RAW data file was imported using `tofsimsSpectra<-MassSpectra('ulvacraw','filename')`. The sample is a freeze-dried transversal poplar wood section of 100 micrometer thickness.

Usage

```
data(tofsimsData)
```

Format

A MassSpectra object

Value

MassSpectra object

Index