

# Package ‘tofsimsData’

April 23, 2024

**Type** Package

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

**Version** 1.31.0

**Date** 2014-10-23

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**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** devel

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**git\_last\_commit\_date** 2023-10-24

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tofsimsData-package    *tofsimsData*

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### 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)

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testImage                    *Example ToF-SIMS data*

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### 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

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`testSpectra`*Example ToF-SIMS data*

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**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

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