

# Package ‘tofsimsData’

September 4, 2025

**Type** Package

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

**Version** 1.37.0

**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

**git\_last\_commit** d6d2e82

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| tofsimsData-package | <i>tofsimsData</i> |
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## Description

ToF-SIMS Toolbox

## Details

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|-----------|-------------|
| 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 | <i>Example ToF-SIMS data</i> |
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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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