

# Package ‘orsifronts’

May 9, 2026

**Type** Package

**Title** Southern Ocean Frontal Distributions (Orsi)

**Version** 0.2.0

**Description** A data set package with the ``Orsi'' and ``Park/Durand'' fronts as 'SpatialLinesDataFrame' objects. The Orsi et al. (1995) fronts are published at the Southern Ocean Atlas Database Page, and the Park et al. (2019) fronts are published at the 'SEANOE' Altimetry-derived Antarctic Circumpolar Current fronts page, please see package CITATION for details.

**License** GPL-3

**LazyData** TRUE

**RoxygenNote** 7.1.1

**Depends** sp, R (>= 2.10)

**Suggests** knitr, rmarkdown, covr

**Encoding** UTF-8

**VignetteBuilder** knitr

**URL** <https://australianantarcticdivision.github.io/orsifronts/>

**BugReports** <https://github.com/AustralianAntarcticDivision/orsifronts/issues>

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2021-05-04 22:00:03 UTC

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orsifronts	<i>Orsi fronts.</i>
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**Description**

The spatial distributions of the Antarctic Circumpolar Current fronts as presented in Orsi, A. H., T. Whitworth III and W. D. Nowlin, Jr., 1995: On the meridional extent and fronts of the Antarctic Circumpolar Current, Deep-Sea Res. I, 42, 641-673.

**Usage**

orsifronts

**Format**

A [SpatialLinesDataFrame](#) with variables: name, front.

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parkfronts	<i>Park/Durand fronts.</i>
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**Description**

A dataset containing the locations of the Southern Ocean fronts as determined by Park and Durand.

**Usage**

parkfronts

**Format**

A Spatial data frame with five line objects, and the identifiers:

**name** long name of the front

**front** short name of the front, abbreviation

**Source**

doi: [10.17882/59800](https://doi.org/10.17882/59800)

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