



## Abstract View

[Volume 12, Issue 1 \(January 1982\)](#)

### Journal of Physical Oceanography

Article: pp. 3–7 | [Abstract](#) | [PDF \(403K\)](#)

## Baroclinic Volume Transport in the Southern Ocean

**J.R.E. Lutjeharms**

*Department of Oceanography, University of Washington, Seattle, WA 98195*

(Manuscript received February 26, 1979, in final form October 26, 1981)

DOI: 10.1175/1520-0485(1982)012<0003:BVTITS>2.0.CO;2

### ABSTRACT

A new map of the baroclinic volume transport to 3000 m has been produced for the Southern Ocean, making use of all available historic hydrographic data in the area. The map complements the geopotential height anomaly map of Gordon *et al.* (1978). The construction of the transport map was facilitated by the strong vertical coherence of the flow found for the whole ocean area.

#### Options:

- [Create Reference](#)
- [Email this Article](#)
- [Add to MyArchive](#)
- [Search AMS Glossary](#)

#### Search CrossRef for:

- [Articles Citing This Article](#)

#### Search Google Scholar for:

- [J.R.E. Lutjeharms](#)

[top](#) ▲



© 2008 American Meteorological Society [Privacy Policy and Disclaimer](#)

Headquarters: 45 Beacon Street Boston, MA 02108-3693

DC Office: 1120 G Street, NW, Suite 800 Washington DC, 20005-3826

[amsinfo@ametsoc.org](mailto:amsinfo@ametsoc.org) Phone: 617-227-2425 Fax: 617-742-8718

[Allen Press, Inc.](#) assists in the online publication of AMS journals.