



Anthropogenic carbon in the eastern South Pacific Ocean.

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This study concerns estimates of the anthropogenic carbon distribution using the TrOCA method recently developed by Touratier and Goyet (2004 a and b) and Touratier et al. (2006). Data from the BIOSOPE cruise in the eastern South Pacific Ocean are used to study the distribution of this anthropogenic carbon, taking into account the hydrodynamic characteristics of this region. We then compare these results with earlier estimates of anthropogenic carbon as well as other anthropogenic tracer (CFC-11) in nearby areas. The comparison with earlier work in nearby areas provides a general trend and indicates that the results presented here are in general agreement with previous knowledge. This work further improves our understanding on the penetration of anthropogenic carbon in the Eastern Pacific Ocean.