

## **Space-time interpolation of scatterometer-derived geophysical quantities**

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A method is presented for interpolating and averaging scatterometer-derived geophysical quantities by determining an appropriate spatiotemporal conversion that takes advantage of the proximity of adjacent swaths and the return period of the satellite. An application is presented in which interpolated fields are averaged to produce 10-day maps of divergence at the equator in view of investigating the evolution of single and double ITCZs.