

Accumulated precipitation of the last hour before the center time of each simulation period. The white frame indicates the analysis region and the white asterisk the typhoon center.

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5, C610–C610, 2012

Interactive
Comment

Interactive comment on “Consistency between Fourier transform and small-volume few-wave decomposition for spectral and spatial variability of gravity waves above a typhoon” by amt-2012-16-discussions-f11.pdf

Anonymous Referee #1

Received and published: 9 April 2012

This is a well-written paper on an interesting new method. The idea is to fit model data in local volumes with a small number of sine waves and then use the fit to estimate local momentum fluxes. The sine waves are not even complete cycles and can have wavelengths greater than the length of the volume. The results work remarkably well, and in addition to momentum flux determination, the method provides insights on mechanisms of gravity wave generation (see page 1776, line 4). I have only trivial

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Interactive Discussion

Discussion Paper

