Equatorial Pacific, EOF as Covariance: APE density at 150m EOF 1: 38.61% EOF 2: 21.25% 120°W 180° 180° 120°W 60°N 60°N 40°N 40°N 20°N 20°N 0° 0° 20°S 20°S 40°S 40°S 60°S 60°S 180° 120°W 180° 120°W -0.2-0.10.0 -0.30-0.15 0.00 0.15 0.30 -0.6-0.5-0.30.45 -0.7-0.40.1 -0.450.60 APE Variance, Jkg^{-1} APE Variance, Jkg^{-1} EOF 4: 3.55% EOF 3: 4.19% 180° 120°W 120°W 180° 60°N 60°N 40°N 40°N 20°N 20°N 0° 0° 20°S 20°S 40°S 40°S 60°S 60°S 120°W 180° 180° 120°W 0.05 0.10 0.05 -0.20 -0.15 -0.10 -0.05 0.000.15 0.20 -0.25 -0.20 -0.15 -0.10 -0.05 0.000.10 0.15 0.25 0.20 APE Variance, Jkg^{-1} APE Variance, Jkg^{-1}