Southern Ocean, EOF as Covariance: APE density at 3860m EOF 1: 28.82% EOF 2: 18.89% ô ô 60°W 60°W 60°E 120°W 120°W 120°E 120°E 60°S 60°S 50°S 180° 180° -0.075 -0.050 -0.025 0.08 -0.12-0.08-0.040.00 0.04 0.12 0.16 0.000 0.025 0.050 0.075 0.100 0.125 APE Variance, Jm⁻³ APE Variance, Jm^{-3} EOF 3: 9.09% EOF 4: 8.14% ô ô 60°W 60°µ 60°E 70°\$~ 150°M 120°W 120°E 120°E 60°S 60°S 50°S 180° 180° -0.04-0.020.00 0.02 0.04 0.06 -0.020.00 0.02 0.04 0.06 0.08 -0.08-0.060.08 -0.06-0.040.10 0.12

APE Variance, Jm^{-3}

APE Variance, Jm^{-3}