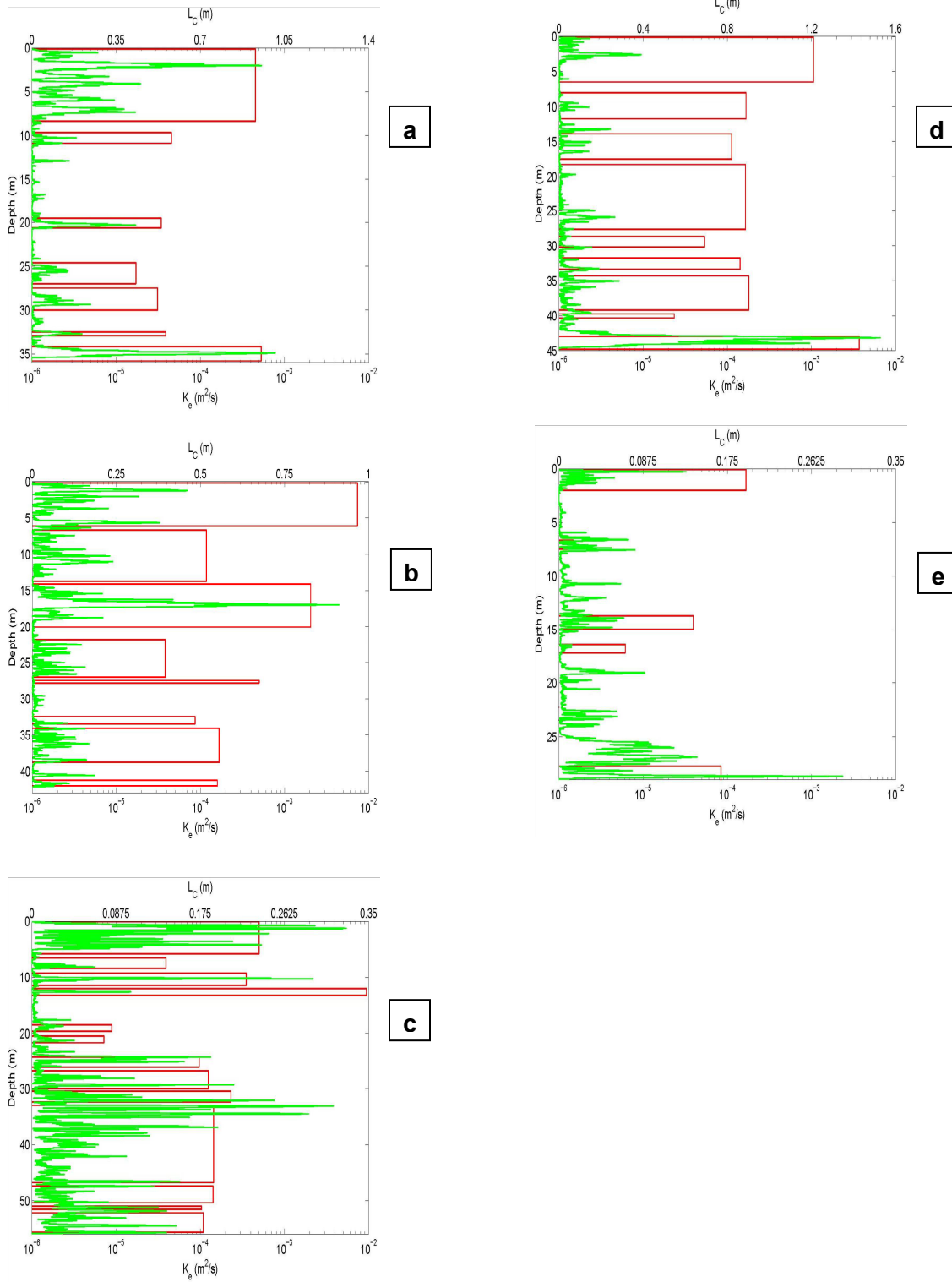


**Figure A. 5.** Eddy diffusion ( $K_e$ ) (red rectangles) and centered displacement length scale ( $L_c$ ) (green line) for April 9, 2004. Locations are NWA (a), NOA (b), MWY (c), SEW (d), and SWA (e).



**Figure A. 6.** Eddy diffusion ( $K_e$ ) (red rectangles) and centered displacement length scale ( $L_c$ ) (green line) for April 13, 2004. Locations are NWA (a), NOA (b), MWY (c), SEW (d), and SWA (e).