



1 Figure 16. As in Fig. 14, except for w (m s^{-1} , color, scale at bottom) and the vertical (z)
 2 component of perturbation pressure gradient force (10^{-3} m s^{-2} , contours, every $15 \times 10^{-3} \text{ m s}^{-2}$,
 3 dashed for negative values) from (a) p'_d , (b) p'_b , (c) buoyancy (B), (d) $p'_b + B$, and (e) $p'_d +$
 4 $p'_b + B$, respectively. The positive and negative centers are labeled by plus and minus signs,
 5 respectively.