

Figure 1 is a line plot showing the vertical profiles of the normalized vertical velocity perturbation (w') as a function of height (km). The y-axis represents Height (km) from 0 to 15. The x-axis represents the normalized vertical velocity perturbation (w') from 0.45 to 0.55. The plot displays multiple curves for different horizontal resolutions (16km, 8km, 4km, 2km, 1km) and time steps (1-mom, 301K, 305K). The curves show a sharp increase in w' around 10-12 km, indicating a wave packet. The RCE .5km 1-mom 305K model shows the highest peak in w' at approximately 0.54.

