

Figure 9-12. Upper panel: Observed propagation speeds c' for frontal features moving through the nearshore, compared with scale estimate sqrt(g'.H'), where H'=H1.H2/H. Observed speeds are slower than scale speeds due to viscous effects and the presence of a "headwind". Lower panel: Observed cross-shore water velocities are faster than propagation speed of feature, illustrating that water is continuously flowing toward the head of the intruding feature.