

$u_{sl} = 0.050 \text{ m s}^{-1}$ ,  $u_{sg} = 0.829 \text{ m s}^{-1}$ ,  $\alpha_l = 0.503$ ,  $\beta = 0.00 \text{ deg}$ , well-posed  
 $u_{sl} = 0.500 \text{ m s}^{-1}$ ,  $u_{sg} = 6.908 \text{ m s}^{-1}$ ,  $\alpha_l = 0.509$ ,  $\beta = 0.00 \text{ deg}$ , ill-posed  
 $u_{sl} = 0.745 \text{ m s}^{-1}$ ,  $u_{sg} = 10.000 \text{ m s}^{-1}$ ,  $\alpha_l = 0.509$ ,  $\beta = 0.00 \text{ deg}$ , ill-posed

