



$\textcolor{purple}{+}$   $a = 2.5^\circ, f = 0.5 \text{ Hz} (f_r = 0.3, \Delta u = 0.2 \text{ m/s})$      $\textcolor{orange}{\times}$   $a = 1.3^\circ, f = 1.0 \text{ Hz} (f_r = 0.6, \Delta u = 0.2 \text{ m/s})$