1st order non-linear Nomoto model compared to ship response Ship, $\delta = 2$ NonLinNomoto1, $\delta = 2$ 0.5 Ship. $\delta = 7$ NonLinNomoto1, $\delta = 7$ Ship. $\delta = 12$ NonLinNomoto1, $\delta = 12$ 0000 Ship, $\delta = 17$ NonLinNomoto1. $\delta = 17$ 0.4 Yaw rate [deg/s] 0.3 0.2 δ =2 δ =12 δ =17 δ =7 0.1 T=312 T=99.1 T=56.9 T=36 K=0.122 K=0.0458 K=0.0297 K=0.0222 200 400 600 800 1000 1200 Rudder [deg]