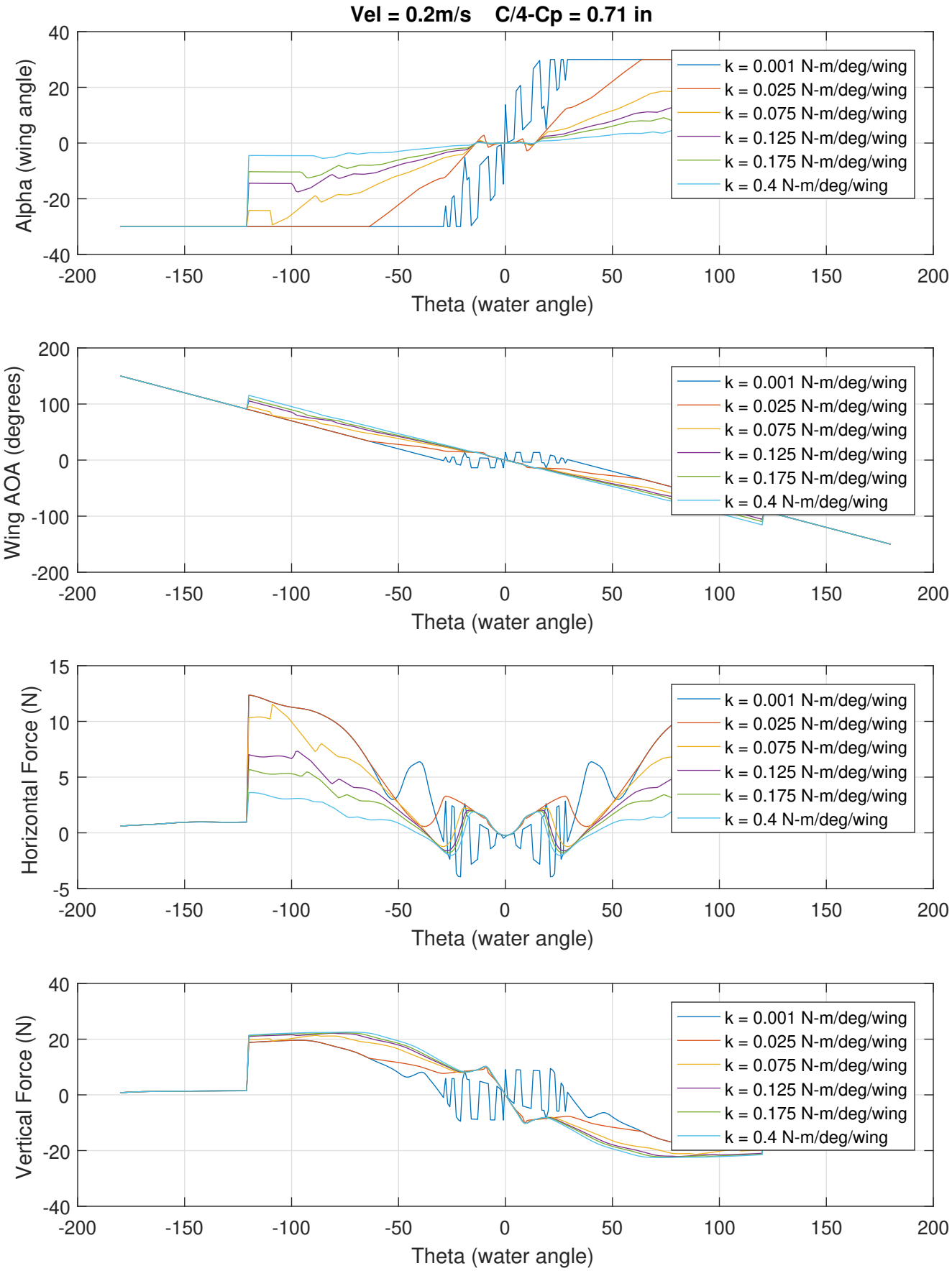
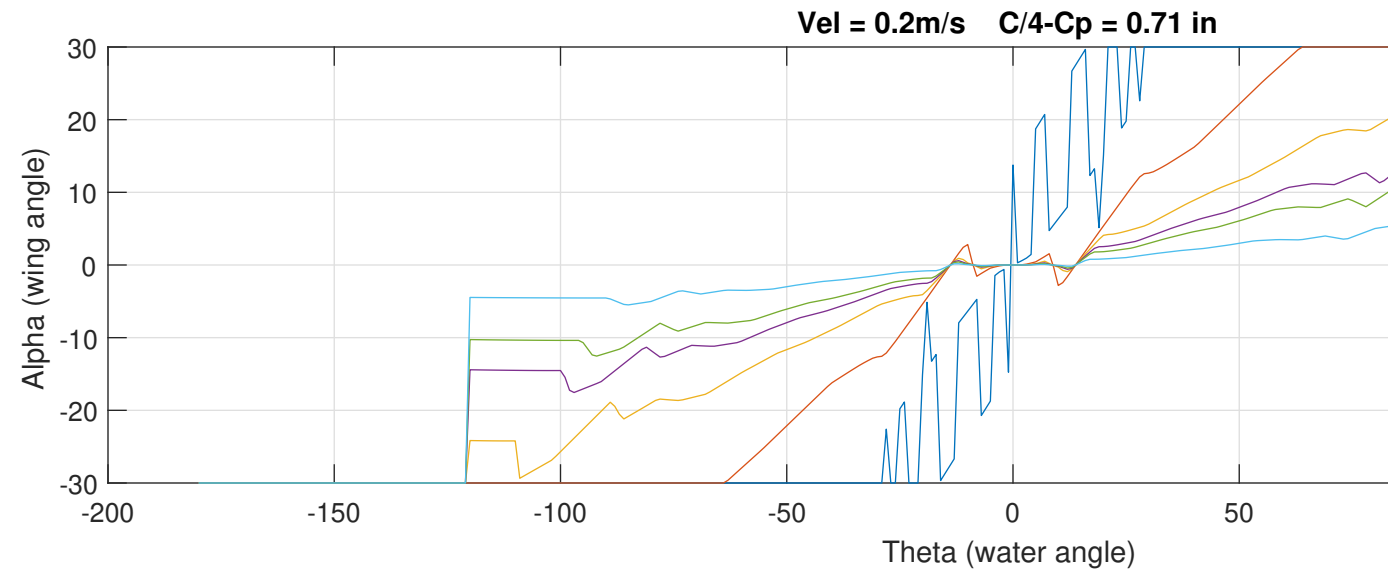
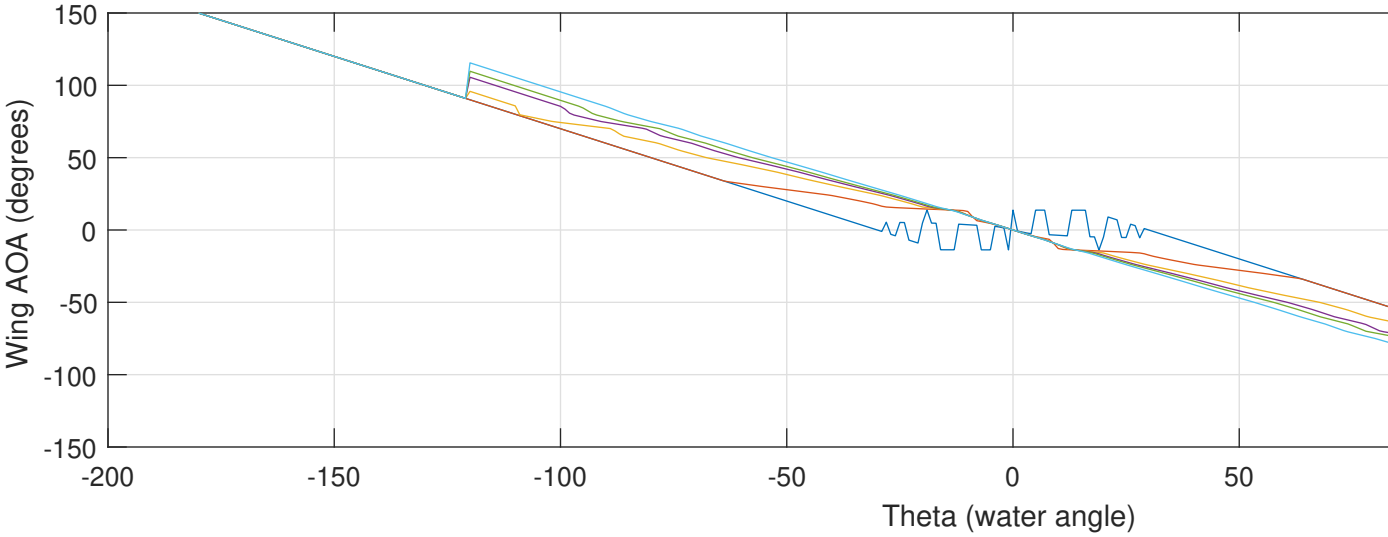
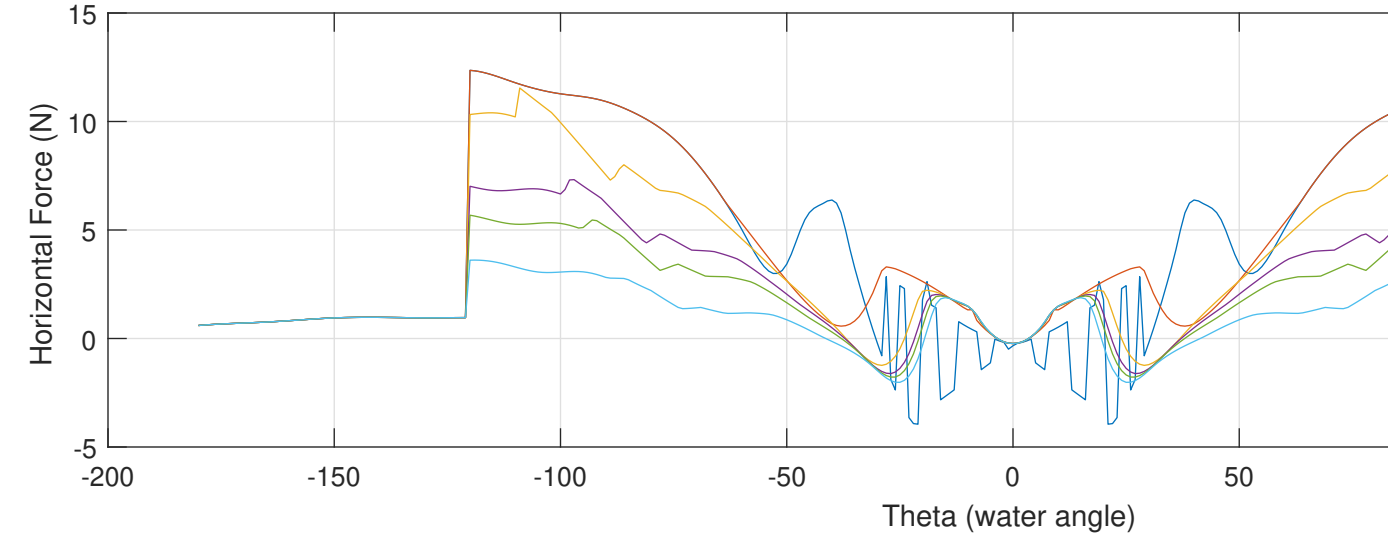
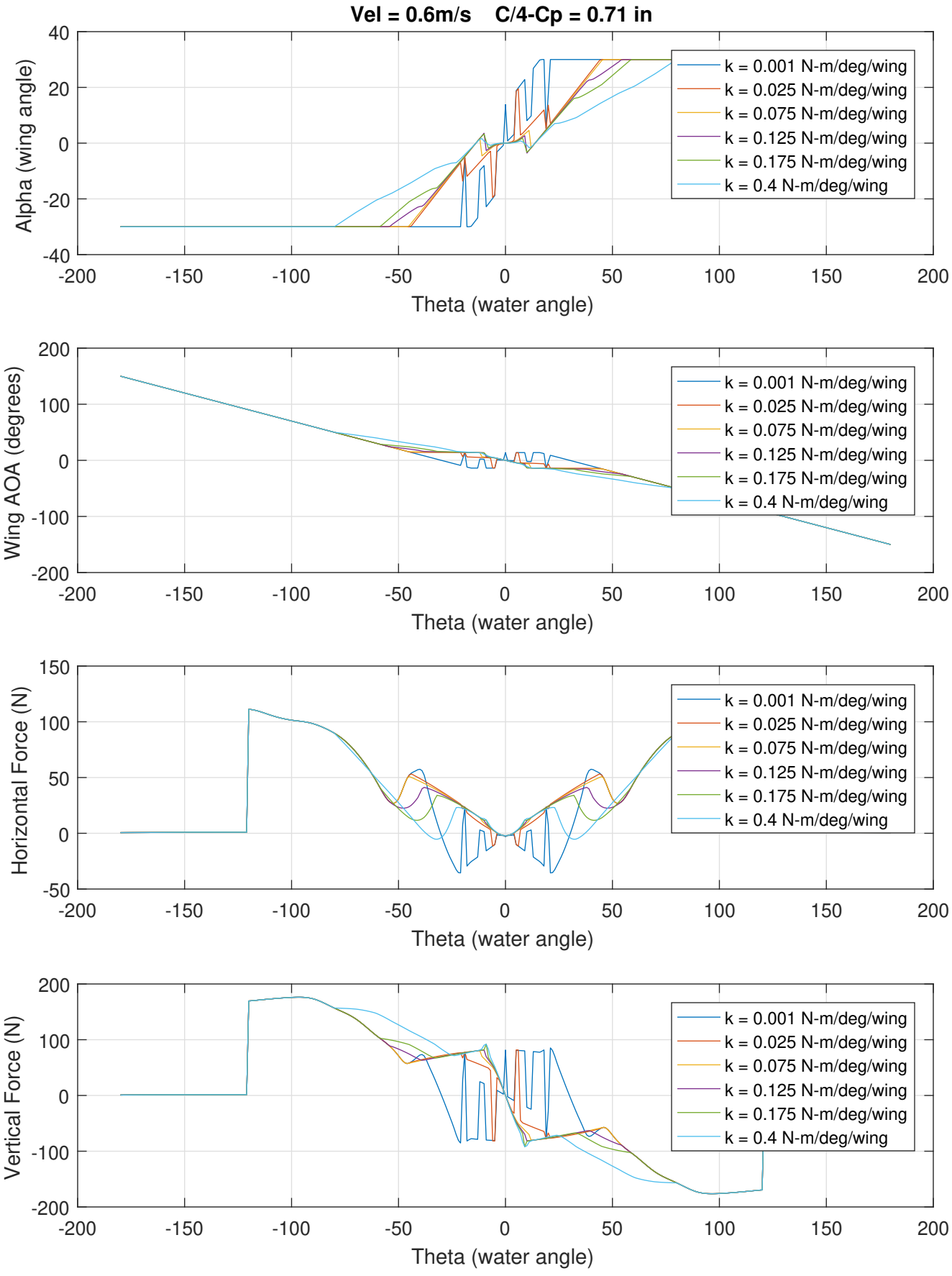
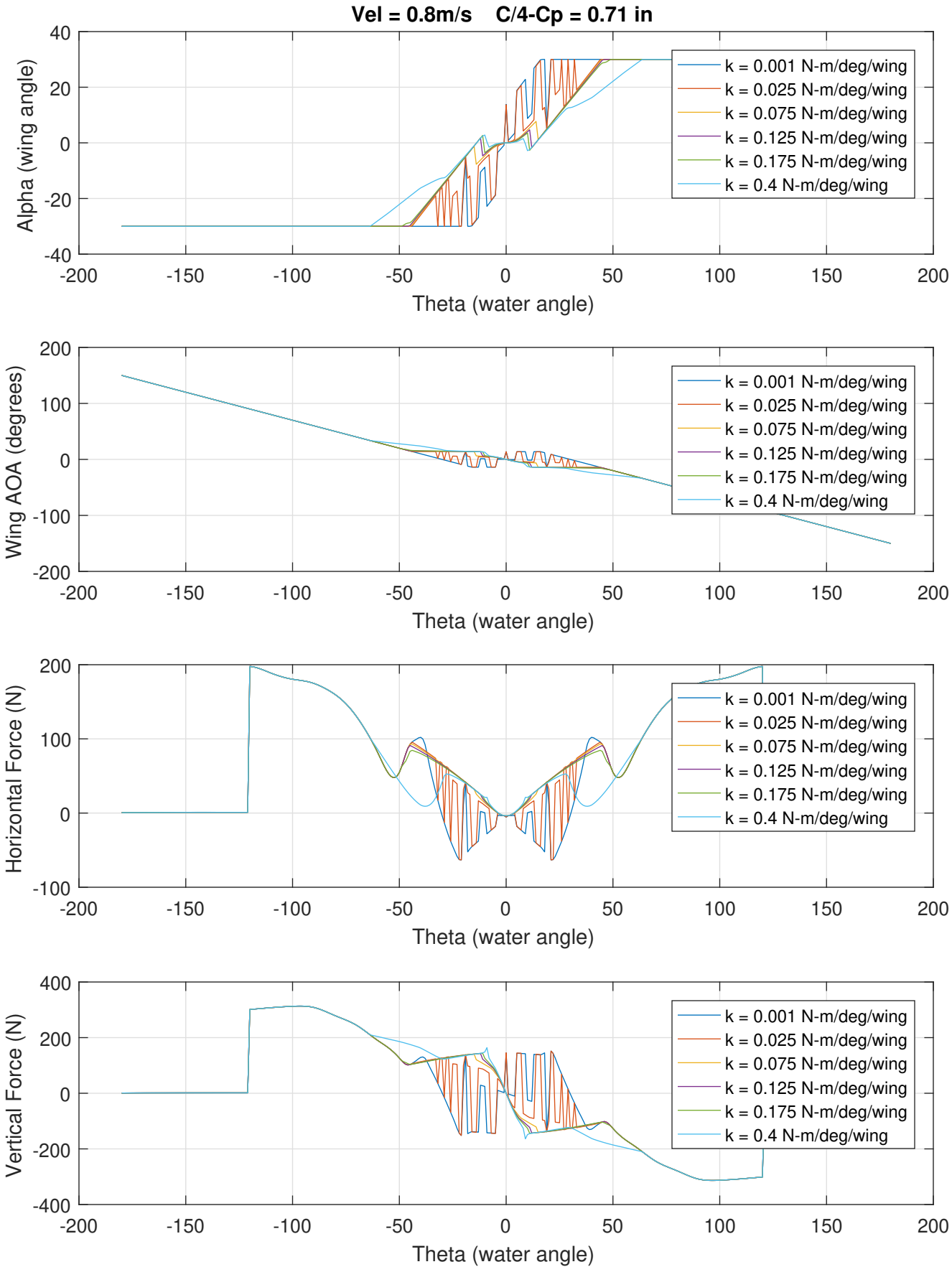

Vel = 0.2m/s C/4-Cp = 0.71 in
Alpha (wing angle)
Theta (water angle)
Wing AOA (degrees)
Theta (water angle)
Horizontal Force (N)
Theta (water angle)
Vertical Force (N)
Theta (water angle)
k = 0.001 N-m/deg/wing
k = 0.025 N-m/deg/wing
k = 0.075 N-m/deg/wing
k = 0.125 N-m/deg/wing
k = 0.175 N-m/deg/wing
k = 0.4 N-m/deg/wing

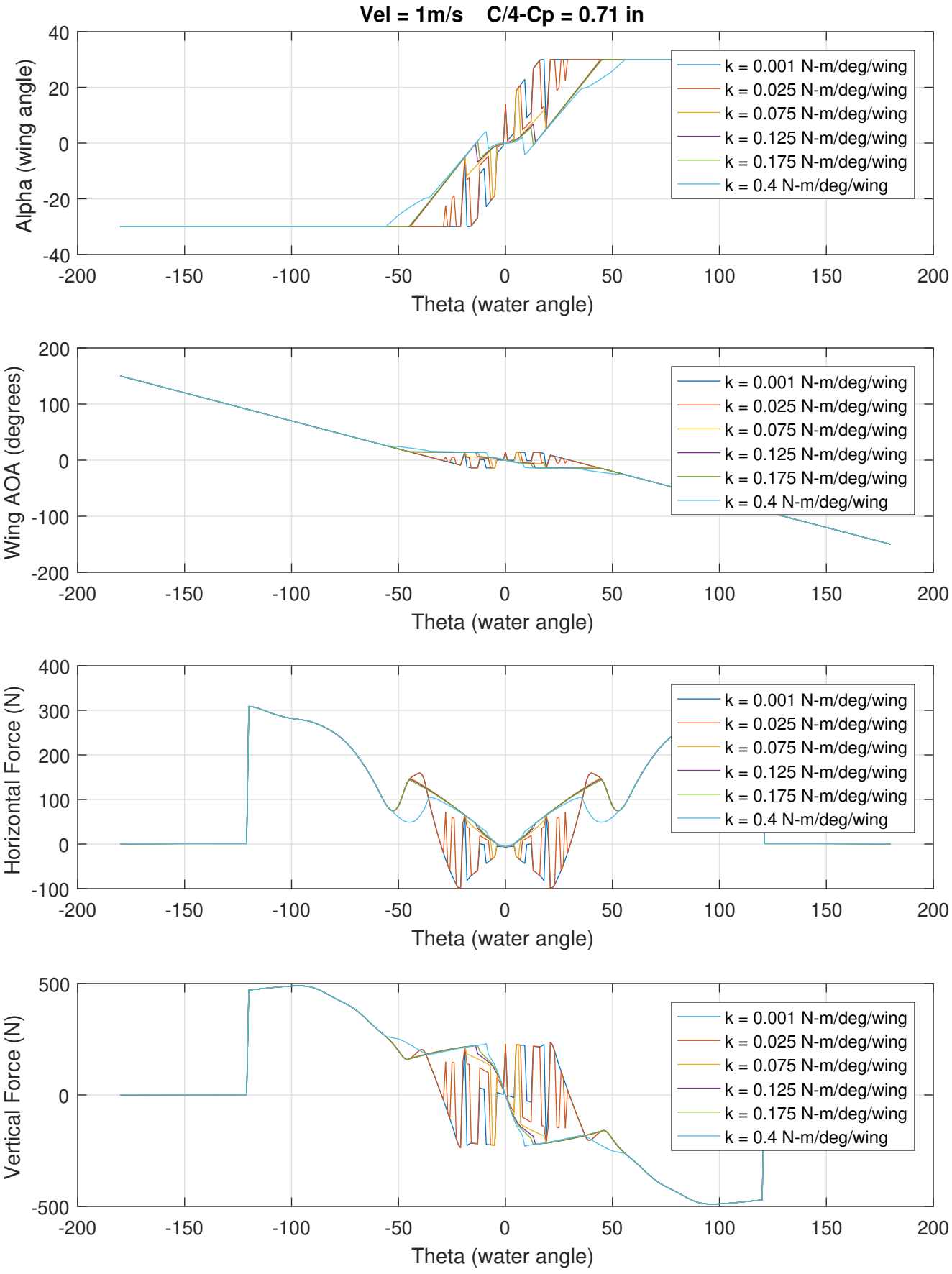

Vel = 0.2m/s C/4-Cp = 0.71 in
Alpha (wing angle)
30
20
10
0
-10
-20
-30
-200
-150
-100
-50
0
50
Theta (water angle)


Wing AOA (degrees)
150
100
50
0
-50
-100
-150
-200
-150
-100
-50
0
50
Theta (water angle)


Horizontal Force (N)
15
10
5
0
-5
-200
-150
-100
-50
0
50
Theta (water angle)


Vel = 0.6m/s C/4-Cp = 0.71 in
Alpha (wing angle)
Theta (water angle)
Wing AOA (degrees)
Theta (water angle)
Horizontal Force (N)
Theta (water angle)
Vertical Force (N)
Theta (water angle)
k = 0.001 N-m/deg/wing
k = 0.025 N-m/deg/wing
k = 0.075 N-m/deg/wing
k = 0.125 N-m/deg/wing
k = 0.175 N-m/deg/wing
k = 0.4 N-m/deg/wing


Vel = 0.8m/s C/4-Cp = 0.71 in
Alpha (wing angle)
Theta (water angle)
Wing AOA (degrees)
Theta (water angle)
Horizontal Force (N)
Theta (water angle)
Vertical Force (N)
Theta (water angle)
k = 0.001 N-m/deg/wing
k = 0.025 N-m/deg/wing
k = 0.075 N-m/deg/wing
k = 0.125 N-m/deg/wing
k = 0.175 N-m/deg/wing
k = 0.4 N-m/deg/wing


Vel = 1m/s C/4-Cp = 0.71 in
Alpha (wing angle)
Theta (water angle)
Wing AOA (degrees)
Theta (water angle)
Horizontal Force (N)
Theta (water angle)
Vertical Force (N)
Theta (water angle)
k = 0.001 N-m/deg/wing
k = 0.025 N-m/deg/wing
k = 0.075 N-m/deg/wing
k = 0.125 N-m/deg/wing
k = 0.175 N-m/deg/wing
k = 0.4 N-m/deg/wing