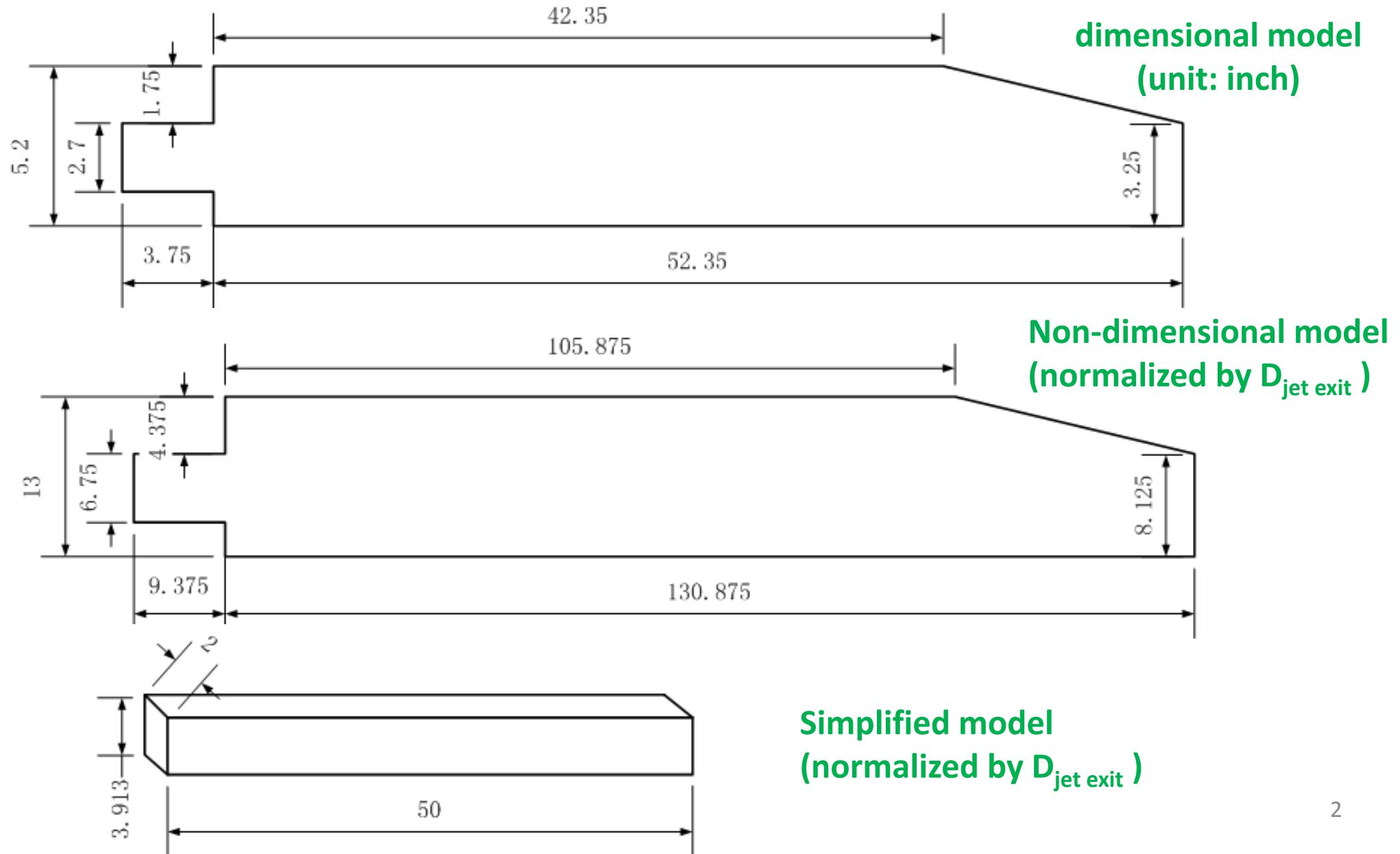


Discussion: 3 D Hg Jet Simulation

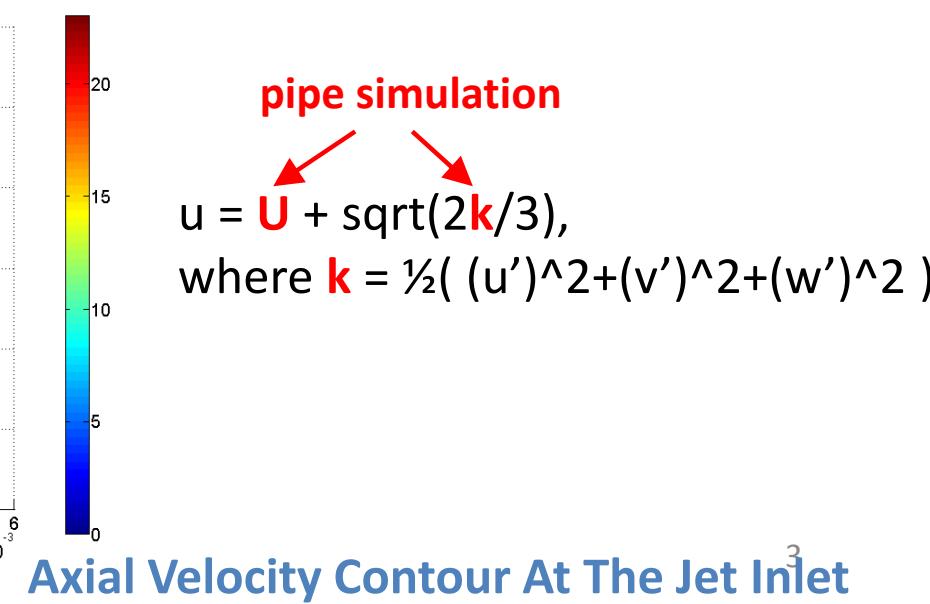
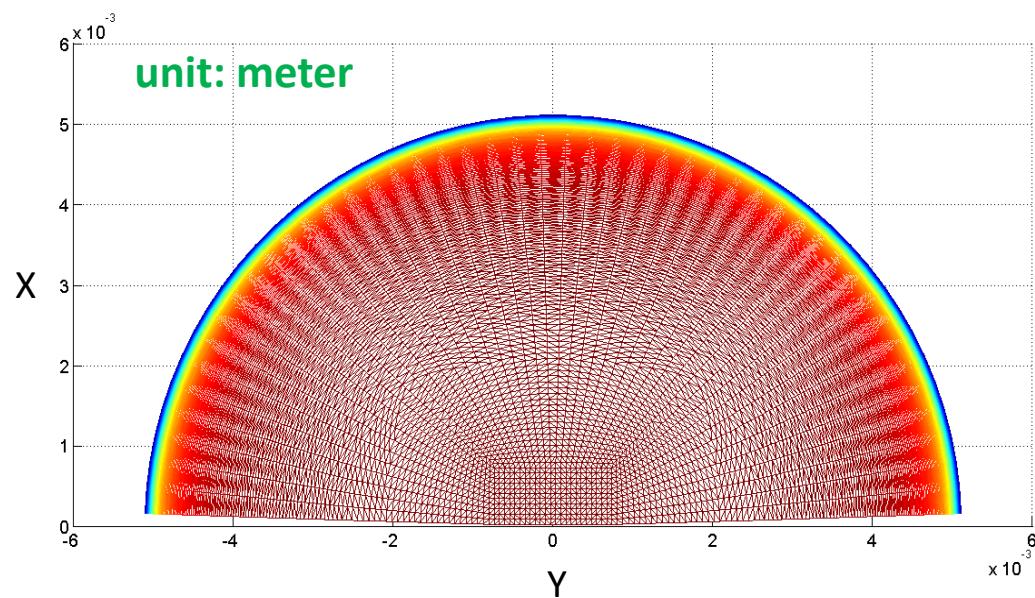
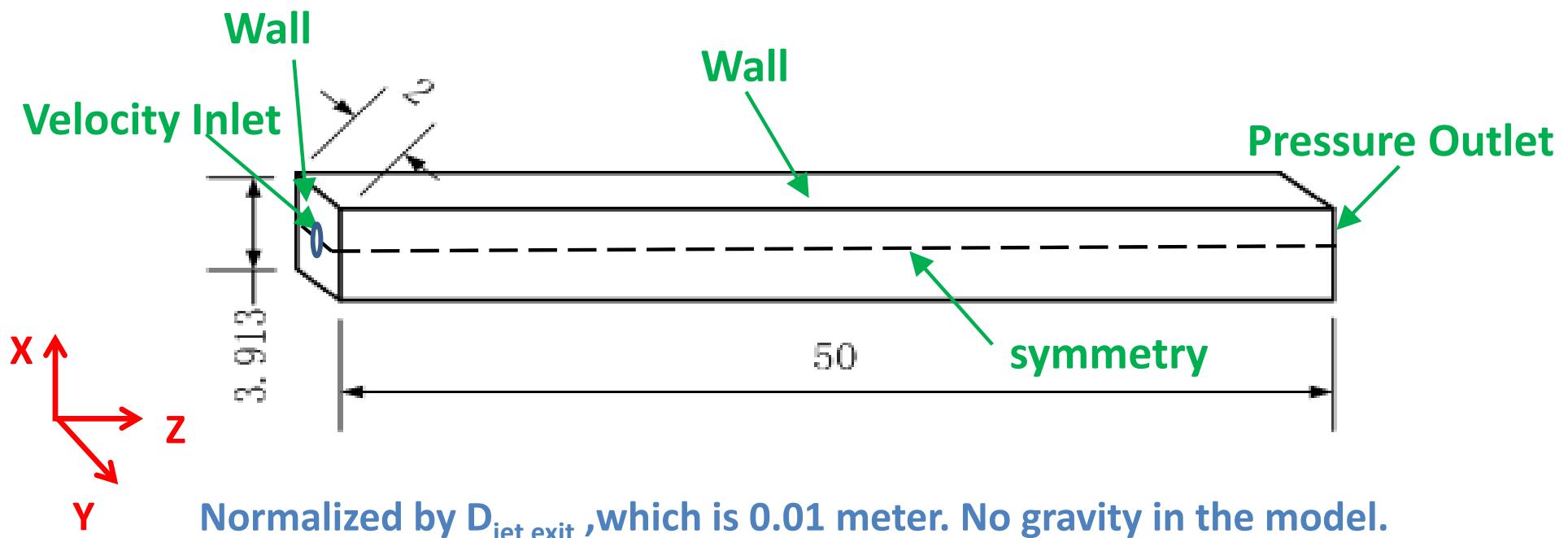
Yan Zhan

May 17, 2014

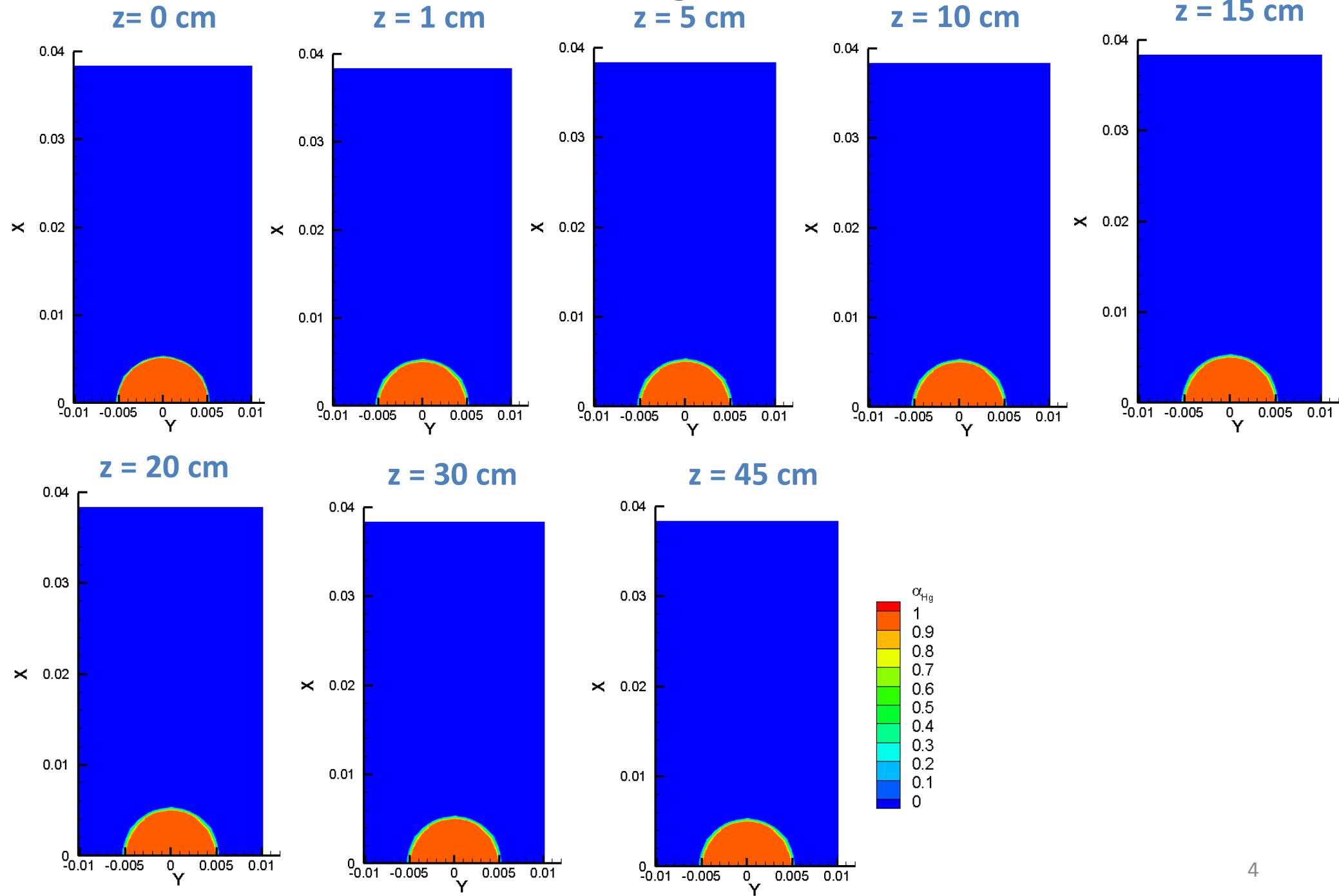
Simplification Of The 3D Hg Jet



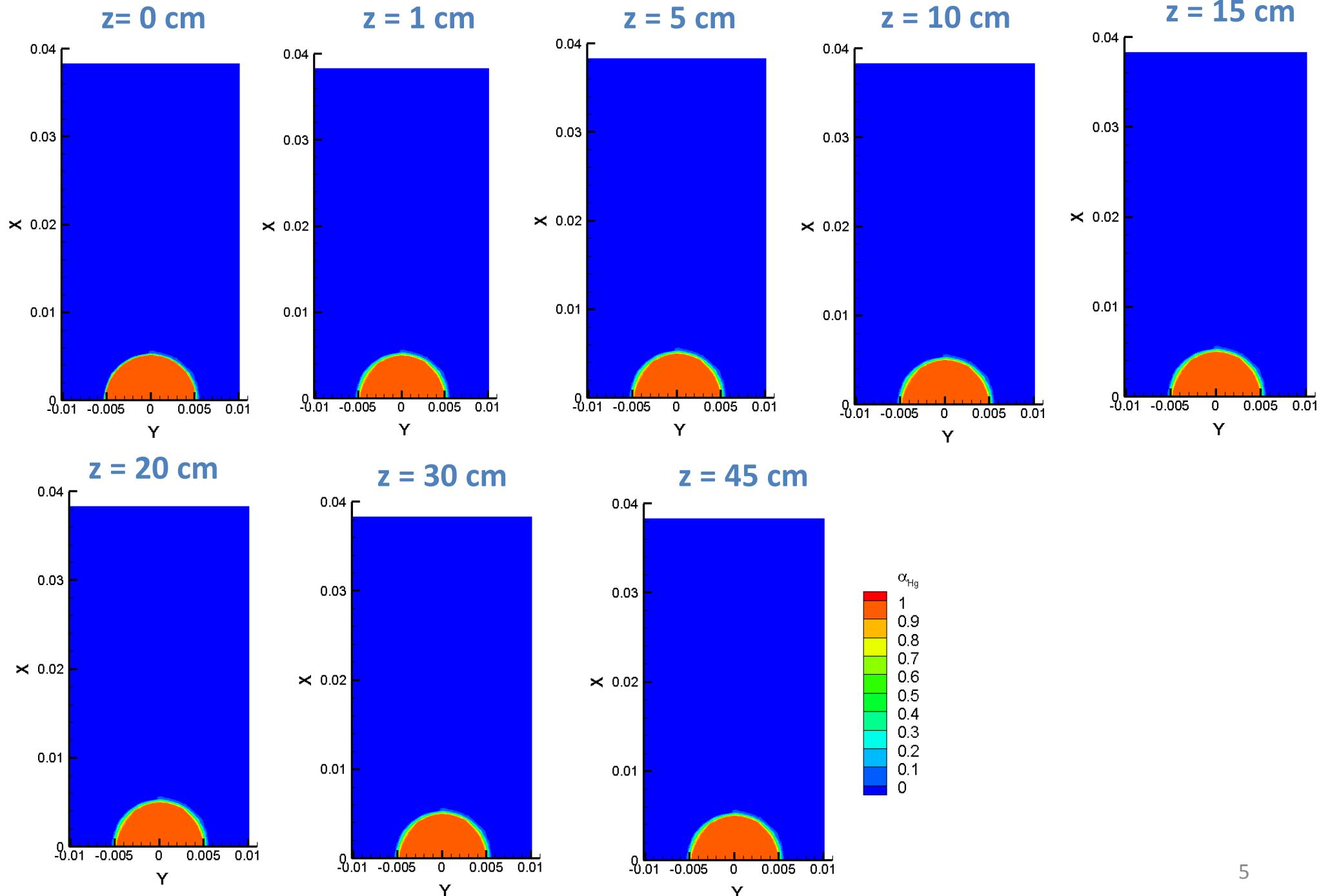
Boundary Conditions



Results of α_{Hg} at $t = 0$ ms

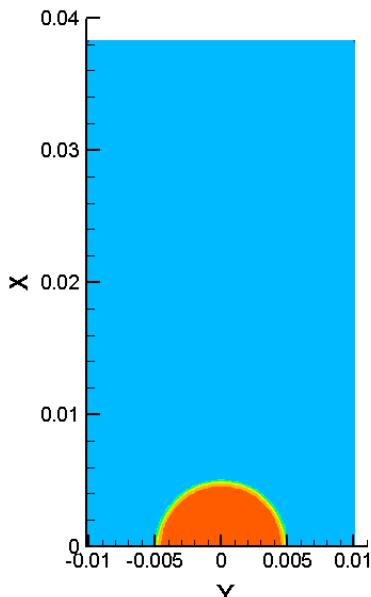


Results of α_{Hg} at $t = 0.2 \mu\text{s}$ (one time step)

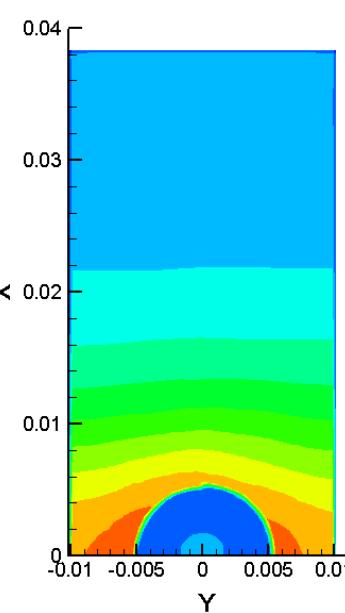


Results of u_z at $t = 0.2 \mu\text{s}$ (one time step)

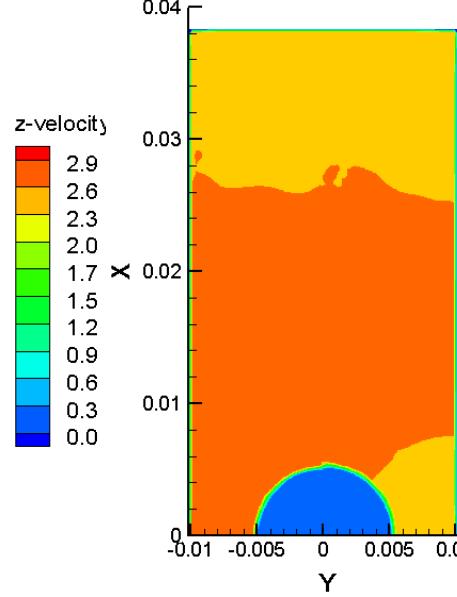
$z = 0 \text{ cm}$



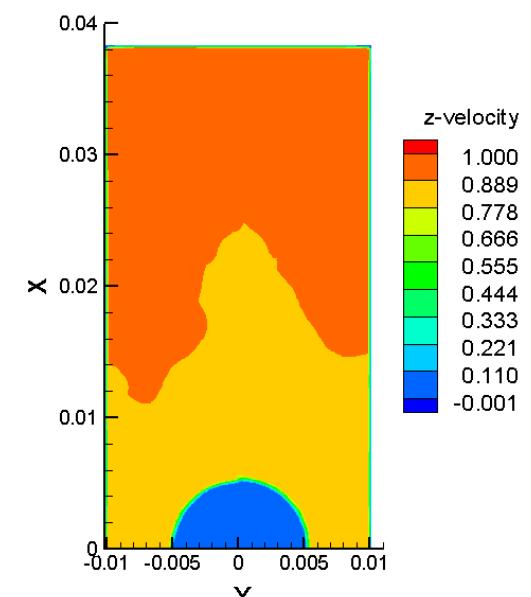
$z = 1 \text{ cm}$



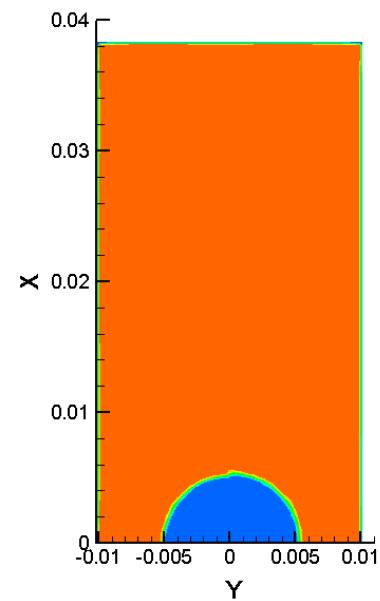
$z = 5 \text{ cm}$



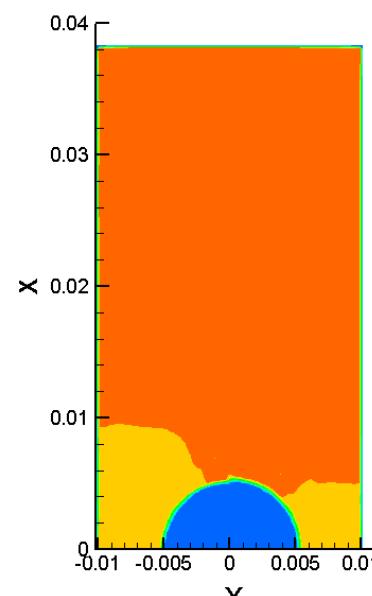
$z = 10 \text{ cm}$



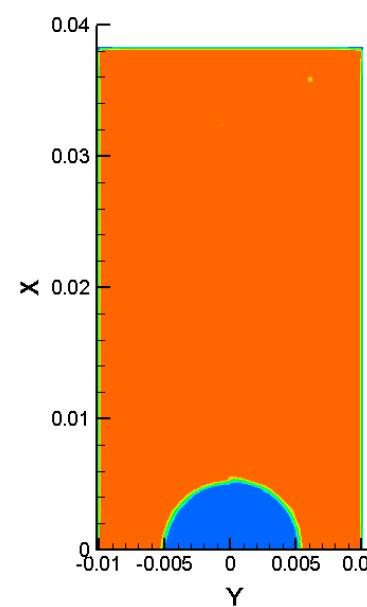
$z = 15 \text{ cm}$



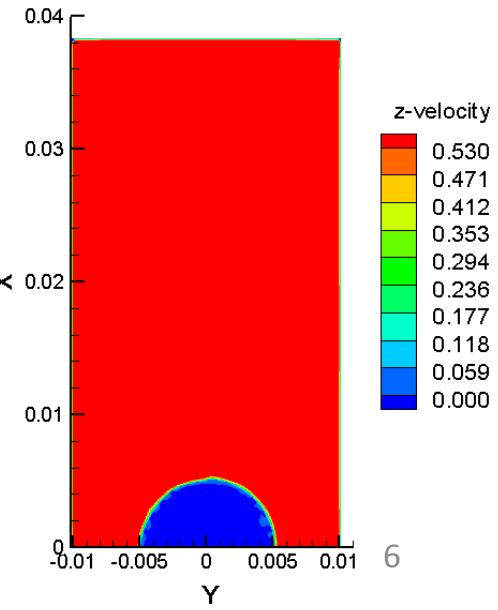
$z = 20 \text{ cm}$



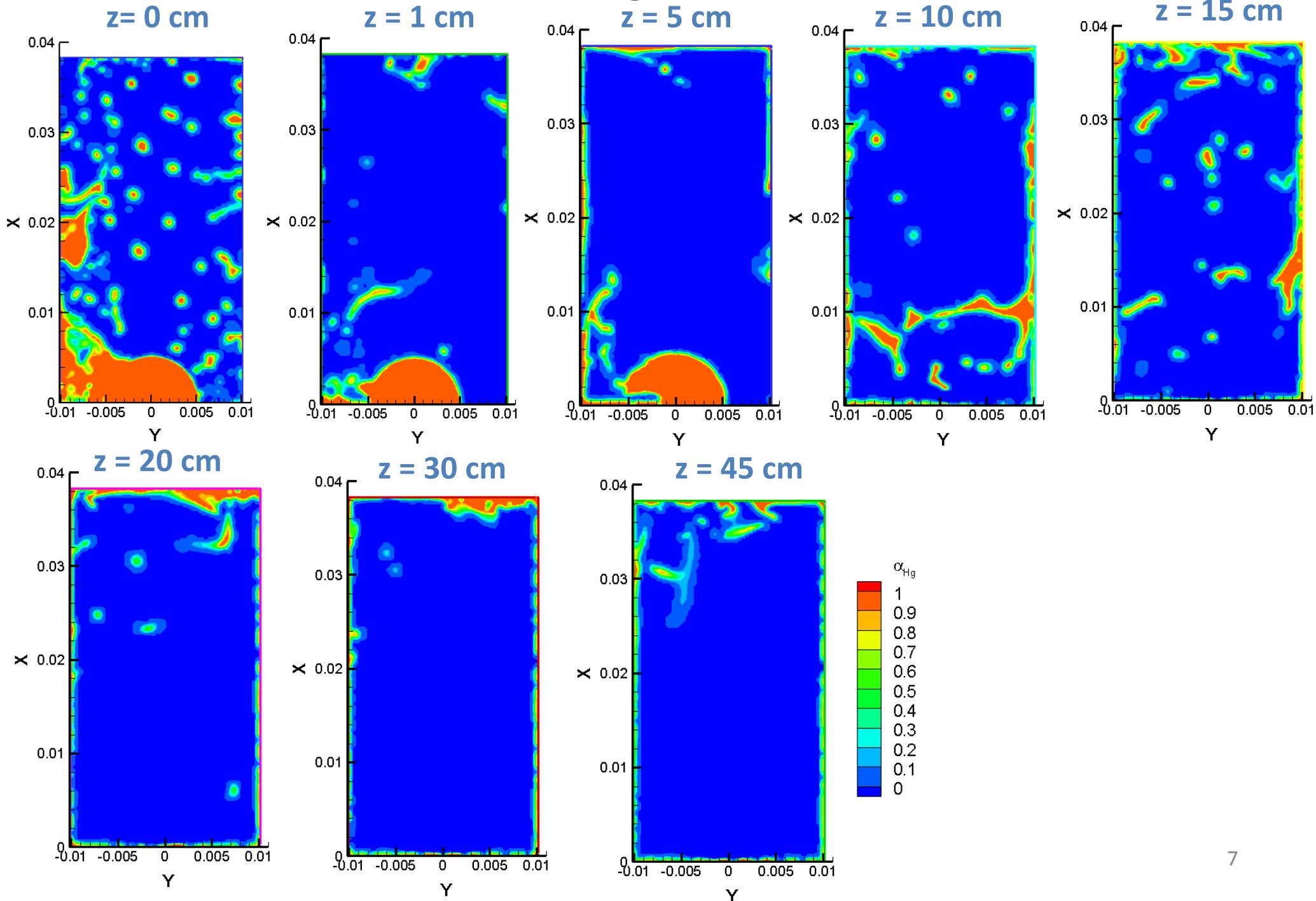
$z = 30 \text{ cm}$



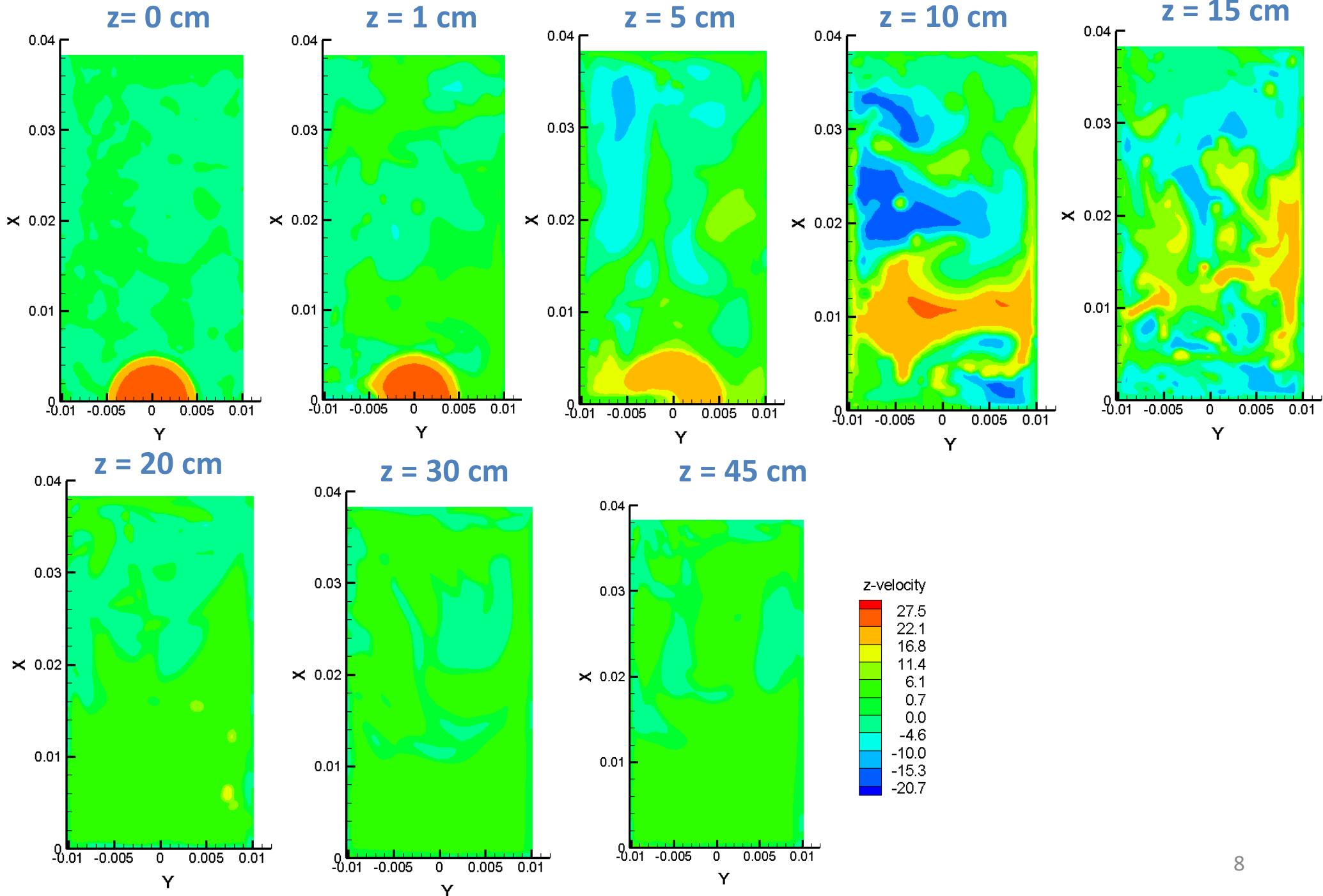
$z = 45 \text{ cm}$



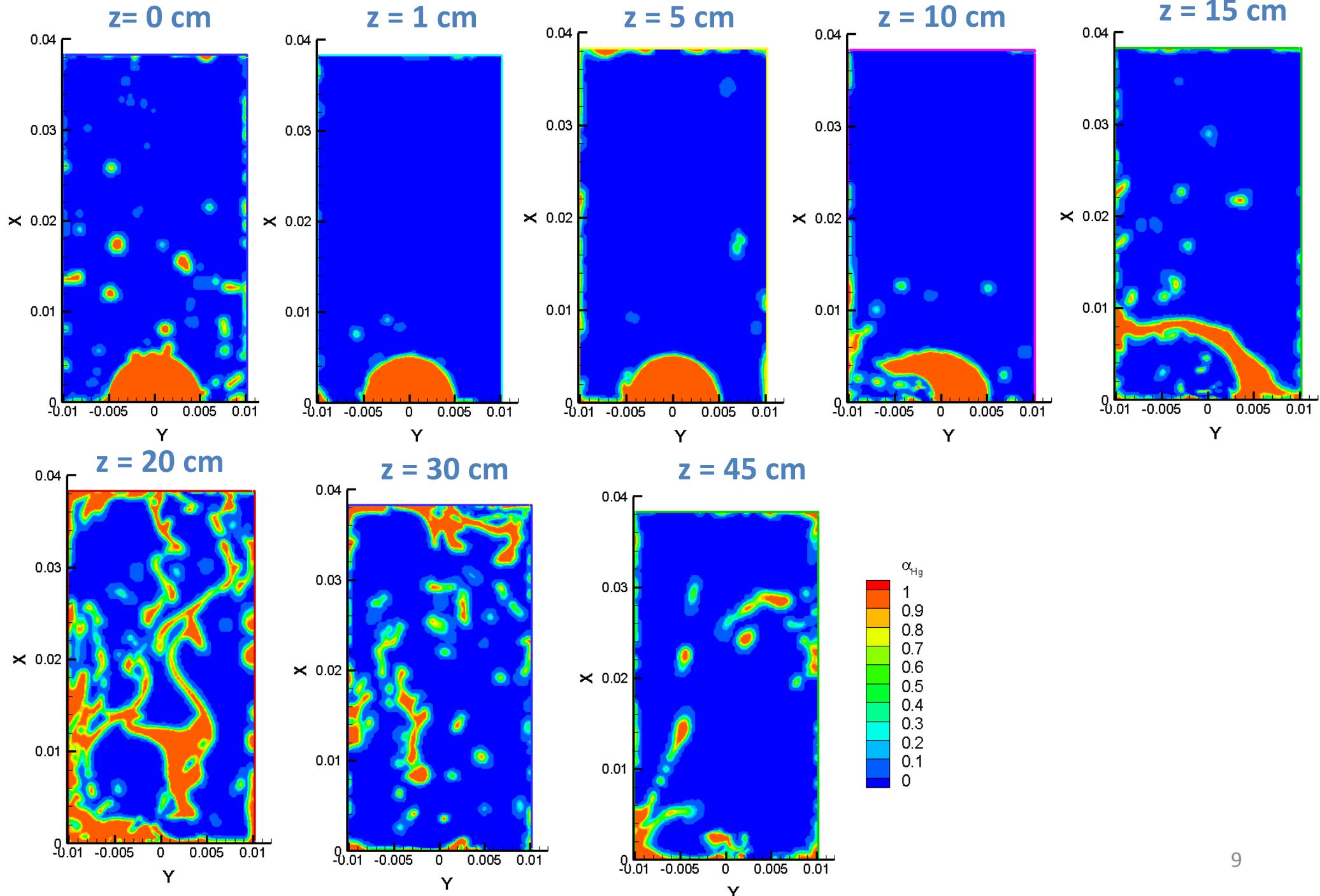
Results of α_{Hg} at $t = 9.6 \text{ ms}$



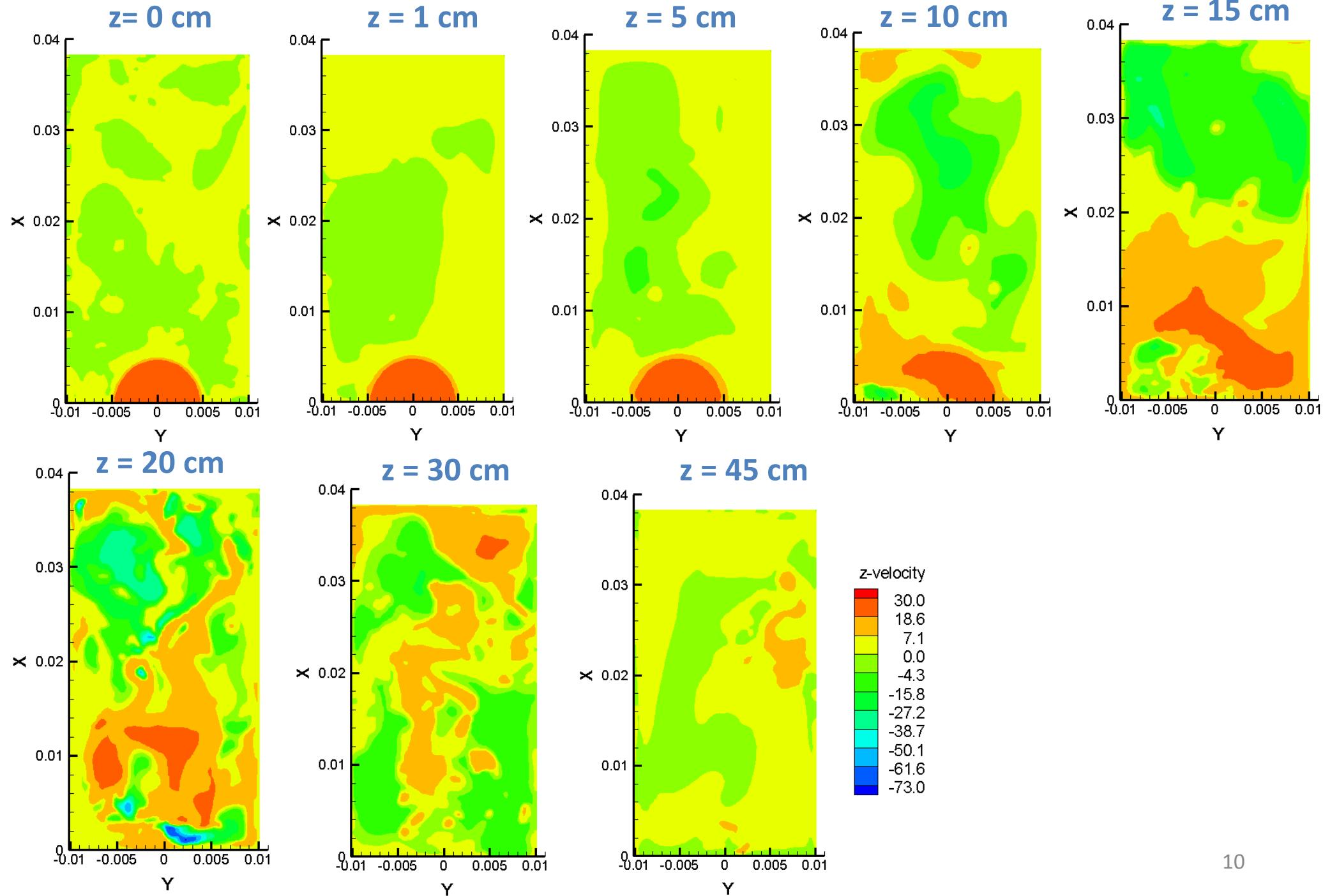
Results of u_z at $t = 9.6$ ms



Results of α_{Hg} at $t = 25 \text{ ms}$ (one time through)



Results of u_z at $t = 25$ ms (one time through)



Results of x-vorticity at t = 25 ms (one time through)

