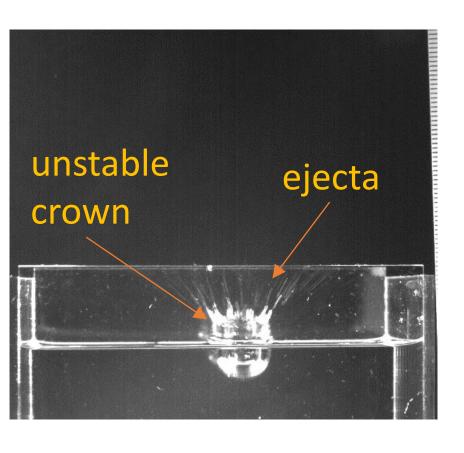
Impact of Raindrops on Oil Slicks

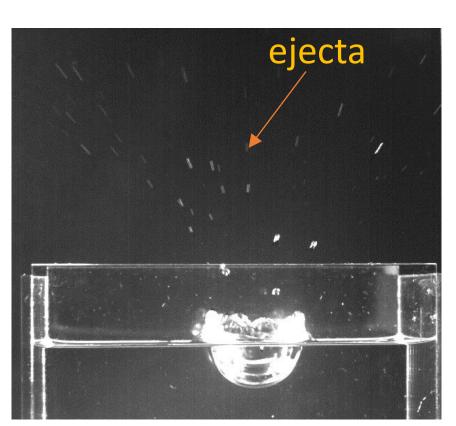
Raina T. Mittal¹ & Kristen Halper²

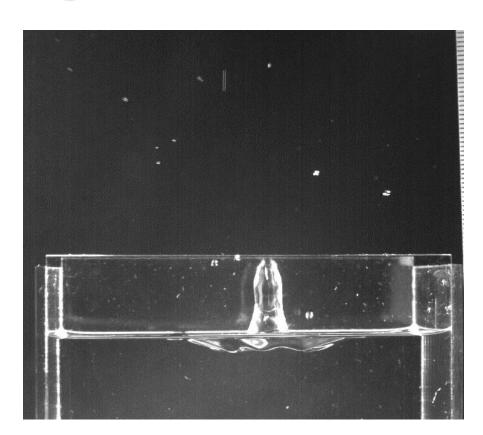
¹James Madison High School, Fairfax, Virginia

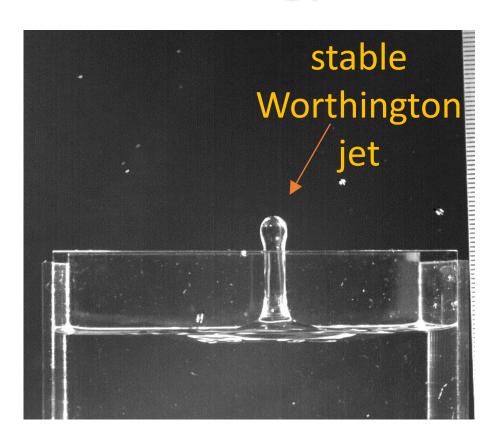
²Thomas Jefferson High School of Science and Technology, Fairfax, Virginia

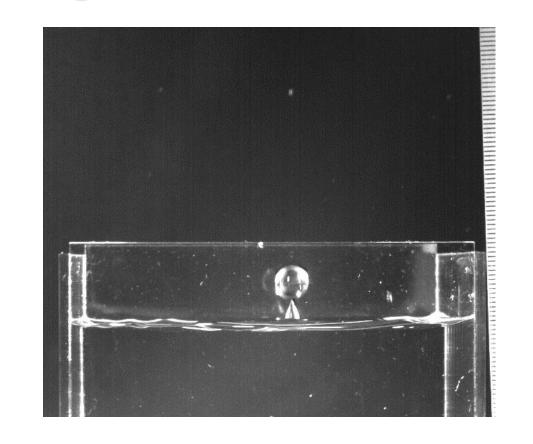
No oil slick

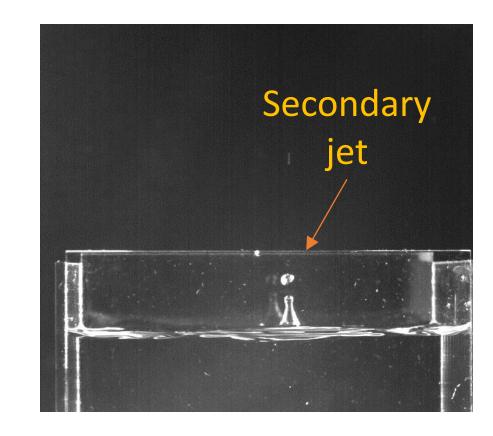




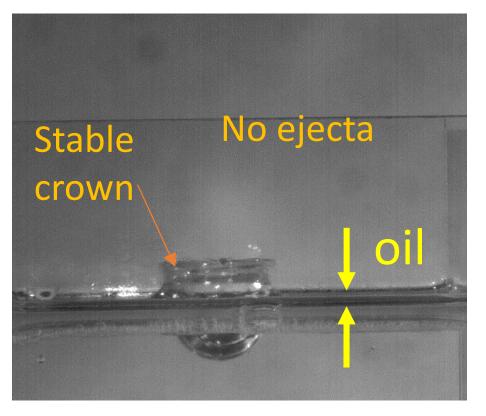


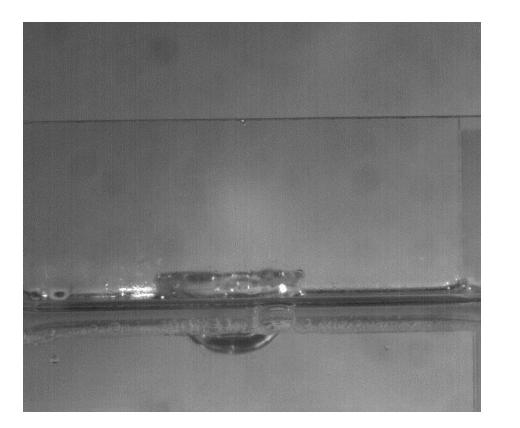


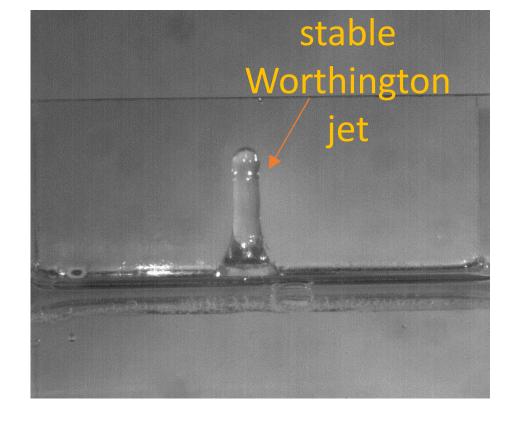


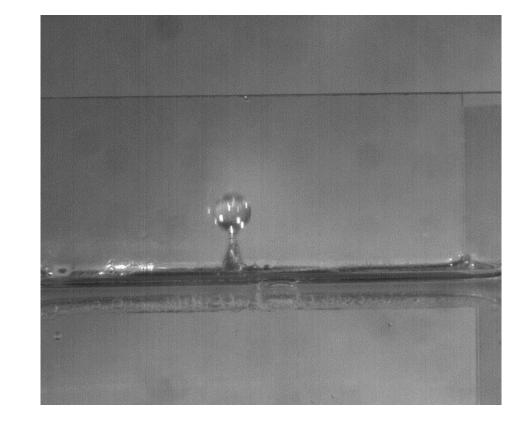


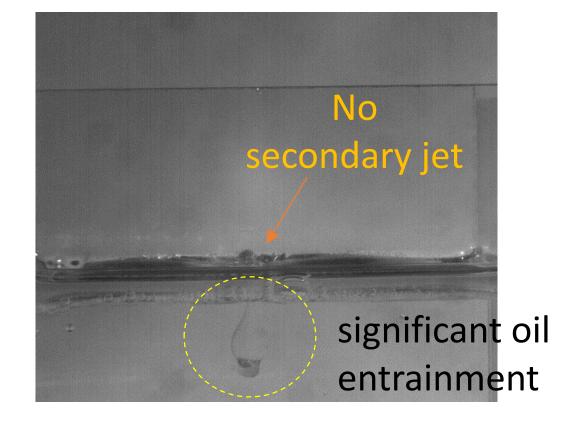
1 mm oil slick



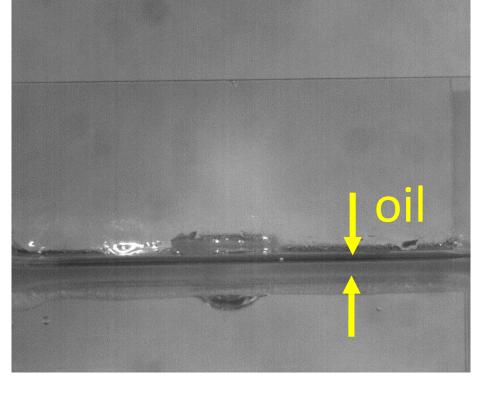


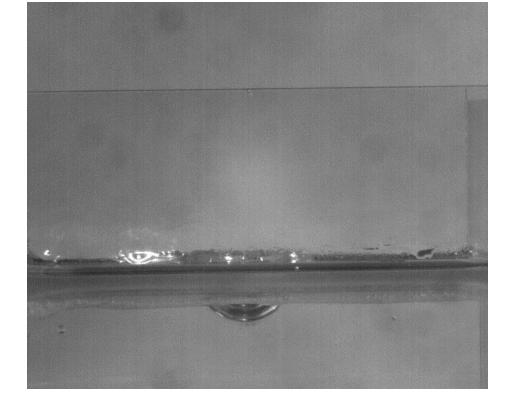




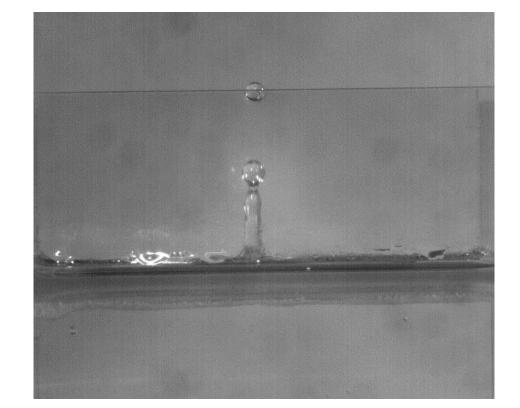


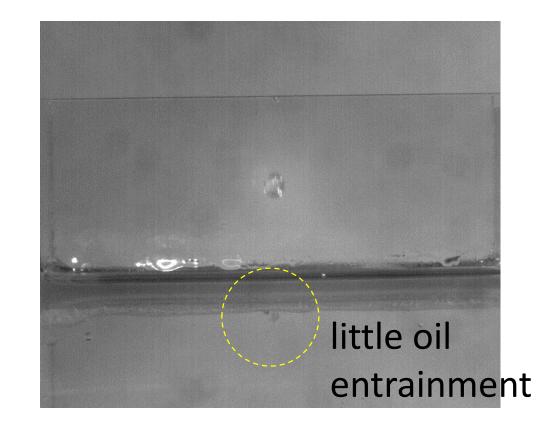
2 mm oil slick



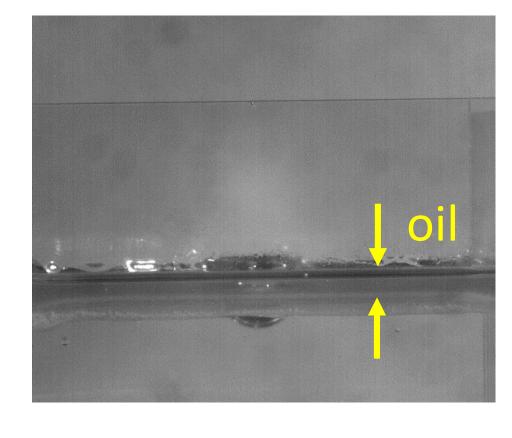


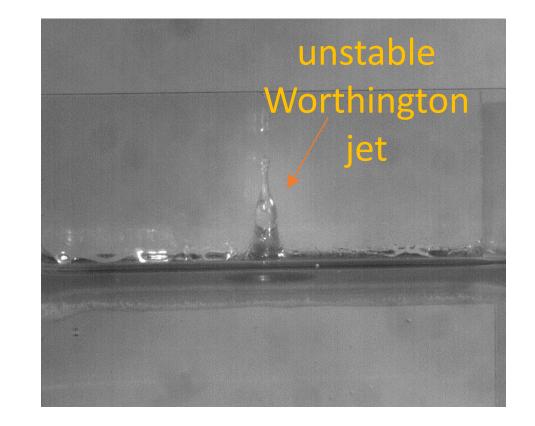


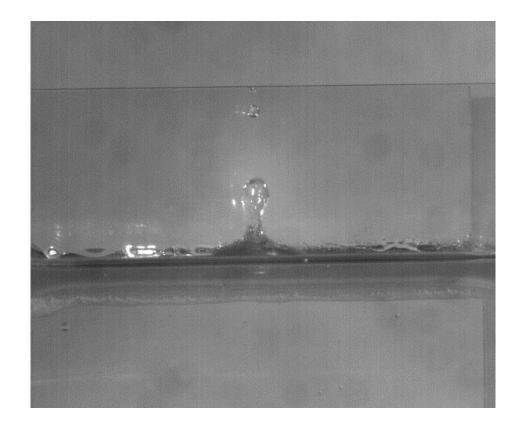




3 mm oil slick









Technical Details

Redlake Cameras - 300-600 FPS

Motor oil over water

Droplet speed at impact – 4.4 m/s

Supervised by Rajat Mittal Johns Hopkins University