

Supplementary Movie 1. The movie shows the comparisons for the infrared (top) and side view (bottom) during the evaporation of liquid HFE-7100 sessile drops on a heated substrate under microgravity and Earth conditions with electric field (EF), which is corresponding to Figure 6. The comparisons show the injection, instability pattern, de-pinning, and in the end flushing stage for drops 6DP μ gEF and 4DP1gEF under microgravity (left) and Earth's gravitational conditions (right).