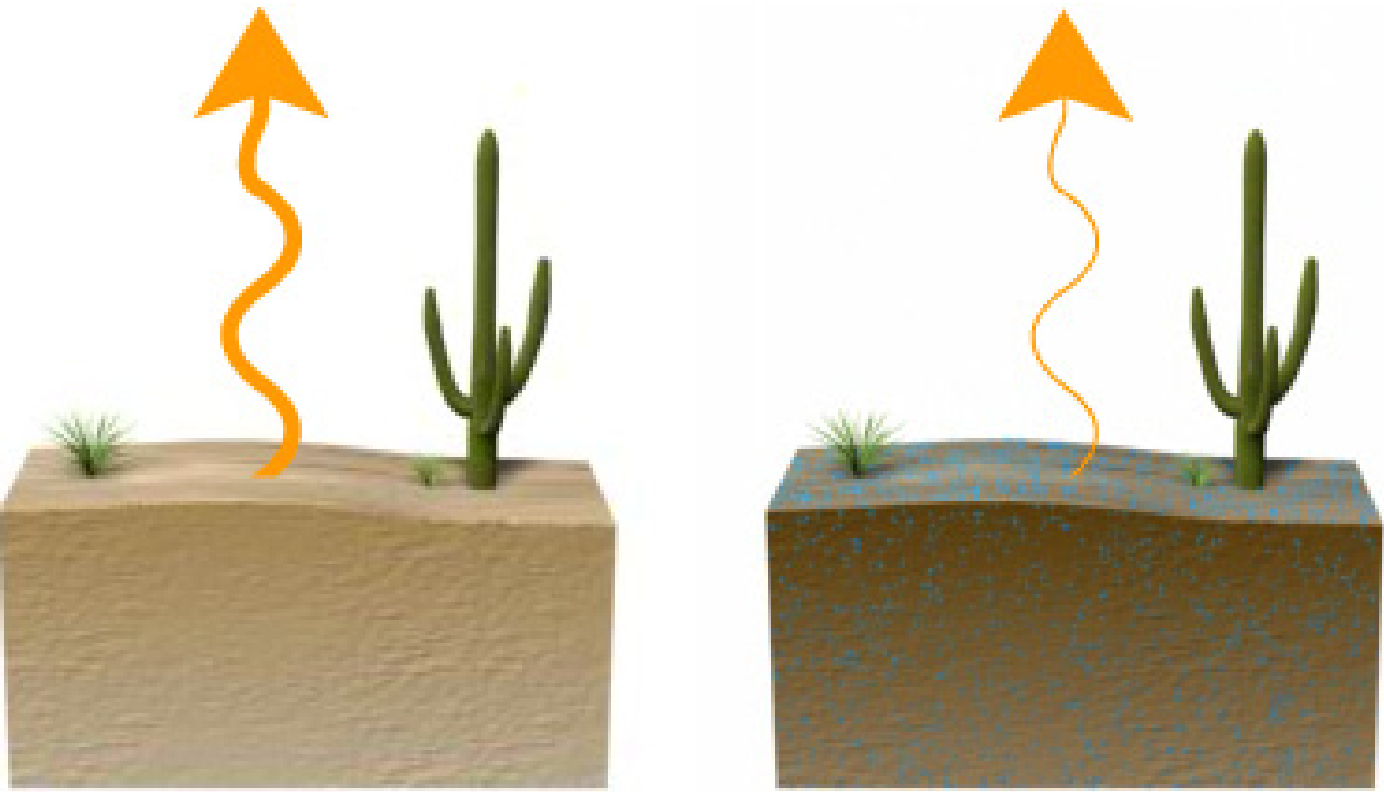


Estimating Soil Moisture via Microwave Remote Sensing



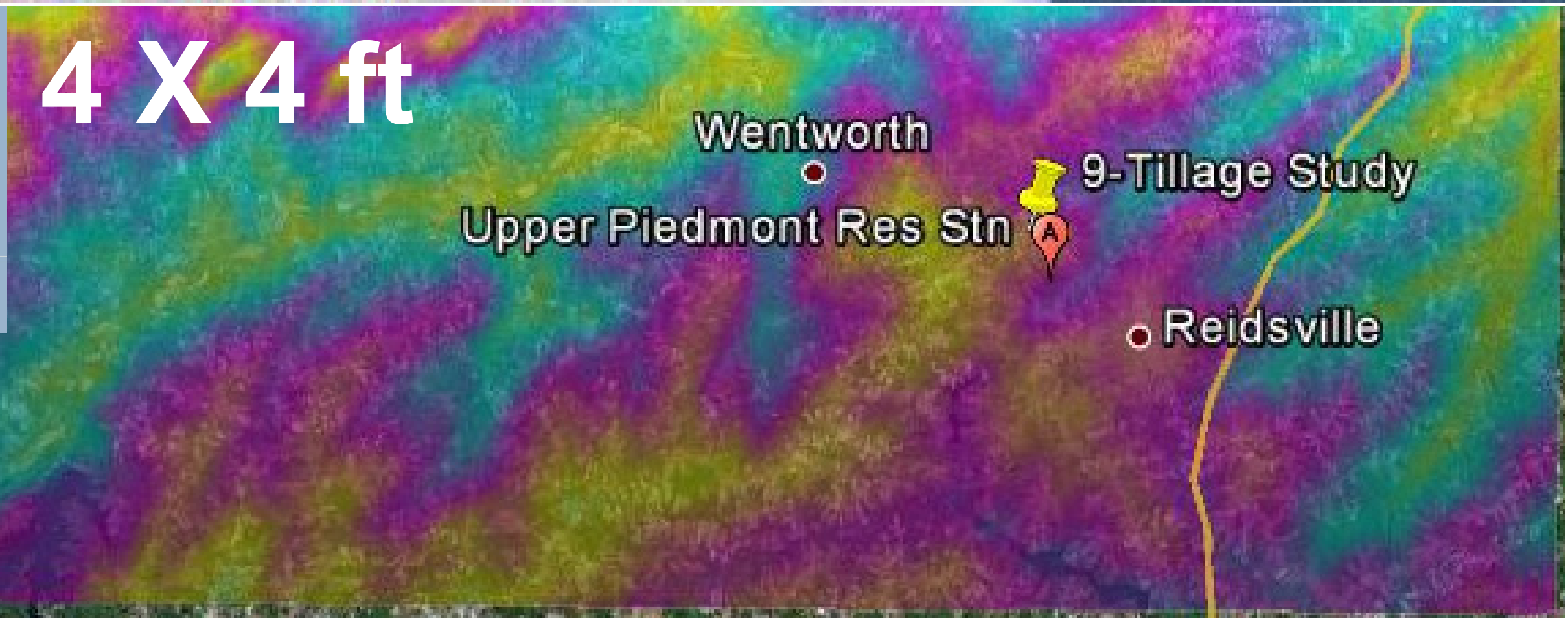
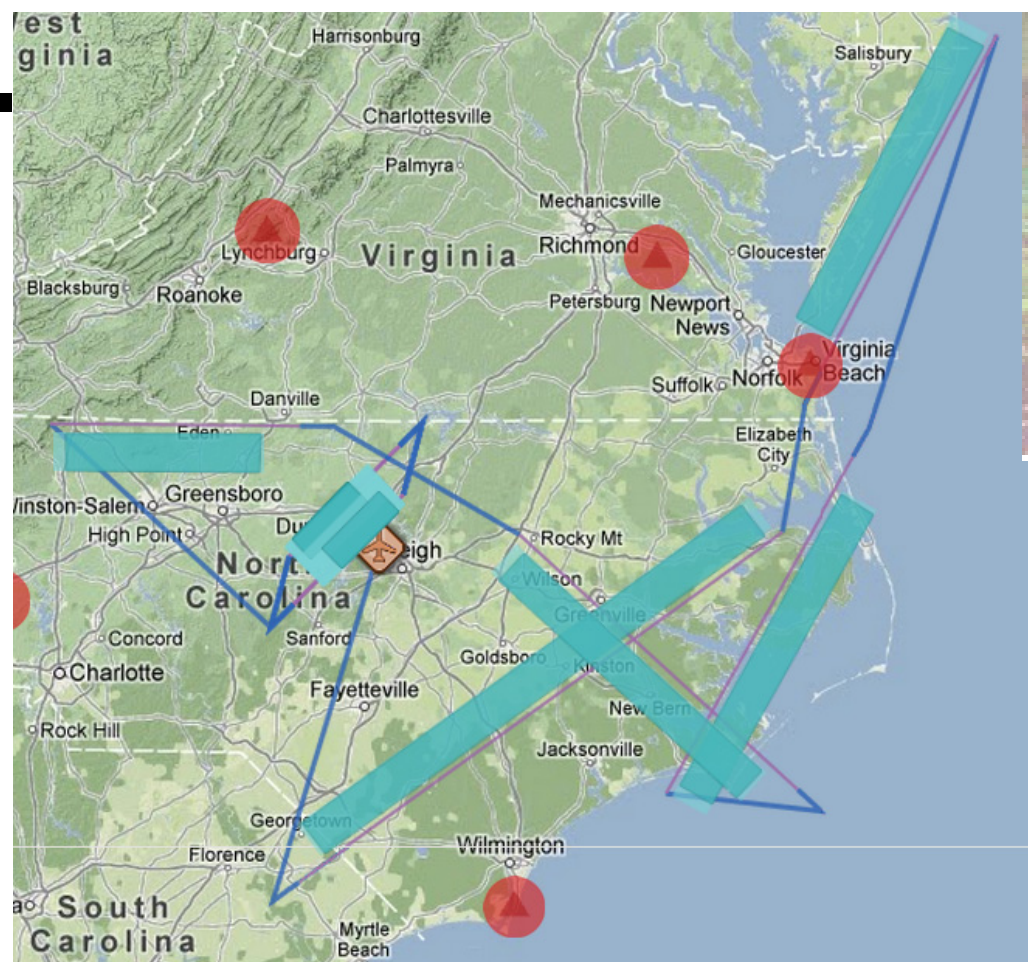
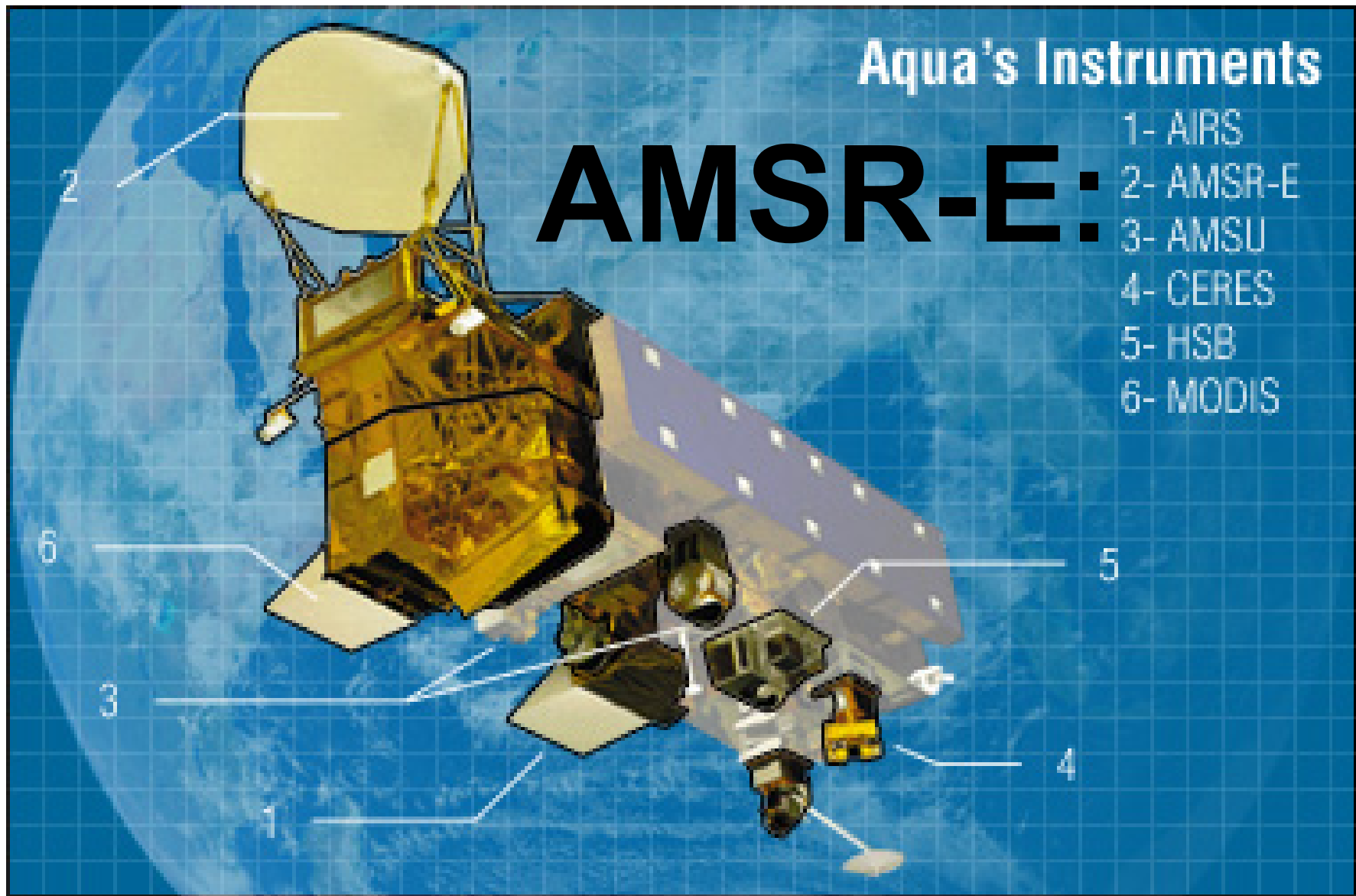
Dry Soil > Wet



Everything emits microwaves (0.05 – 40 in):
Microwave ovens, radar, cell phones: active
Soil, soybean plants, humans, etc.: passive



SMOS: Soil Moisture—
Ocean Salinity



SMAP:
Soil Moisture Active (2 mi) / Passive (22 mi)

