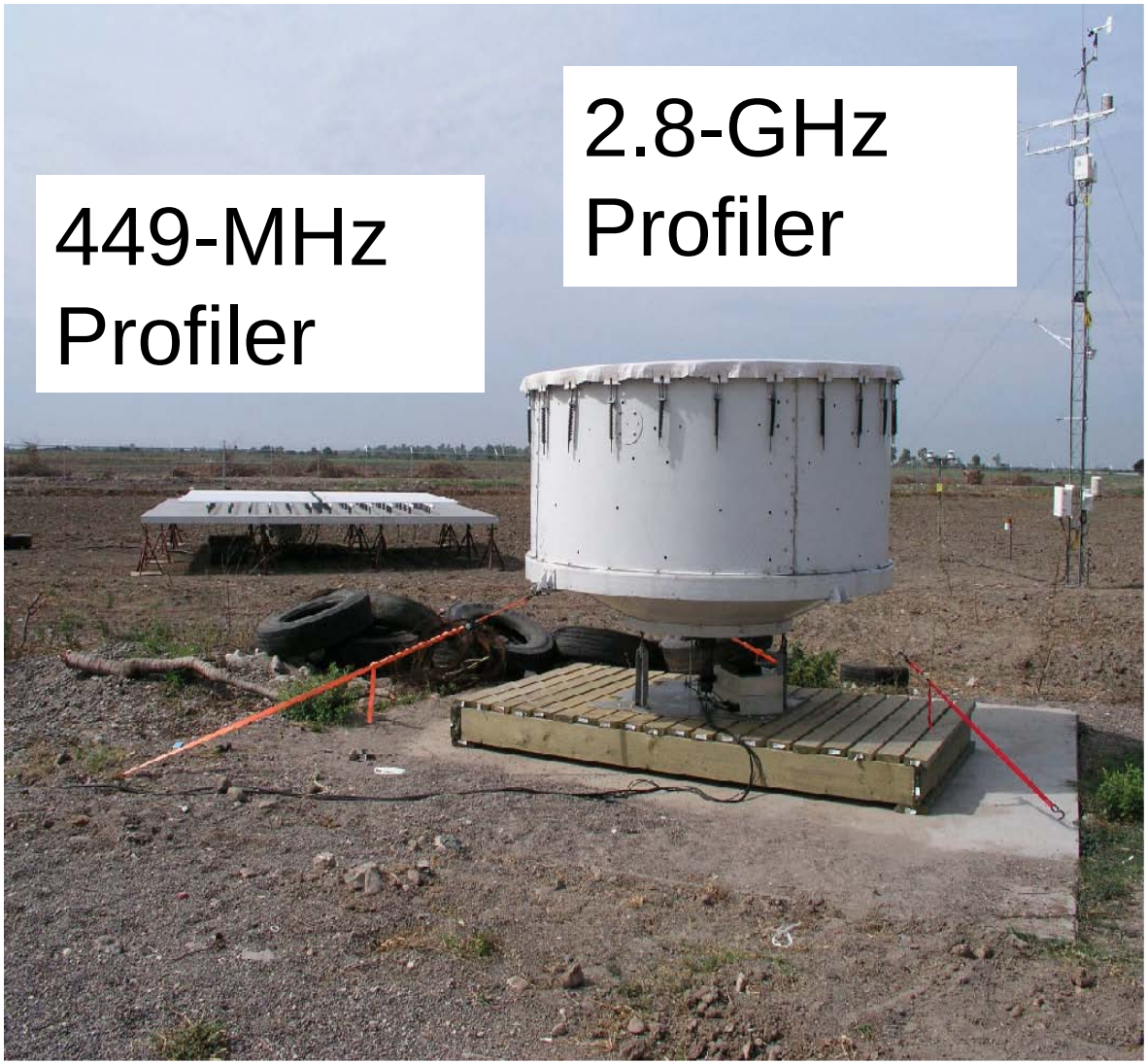
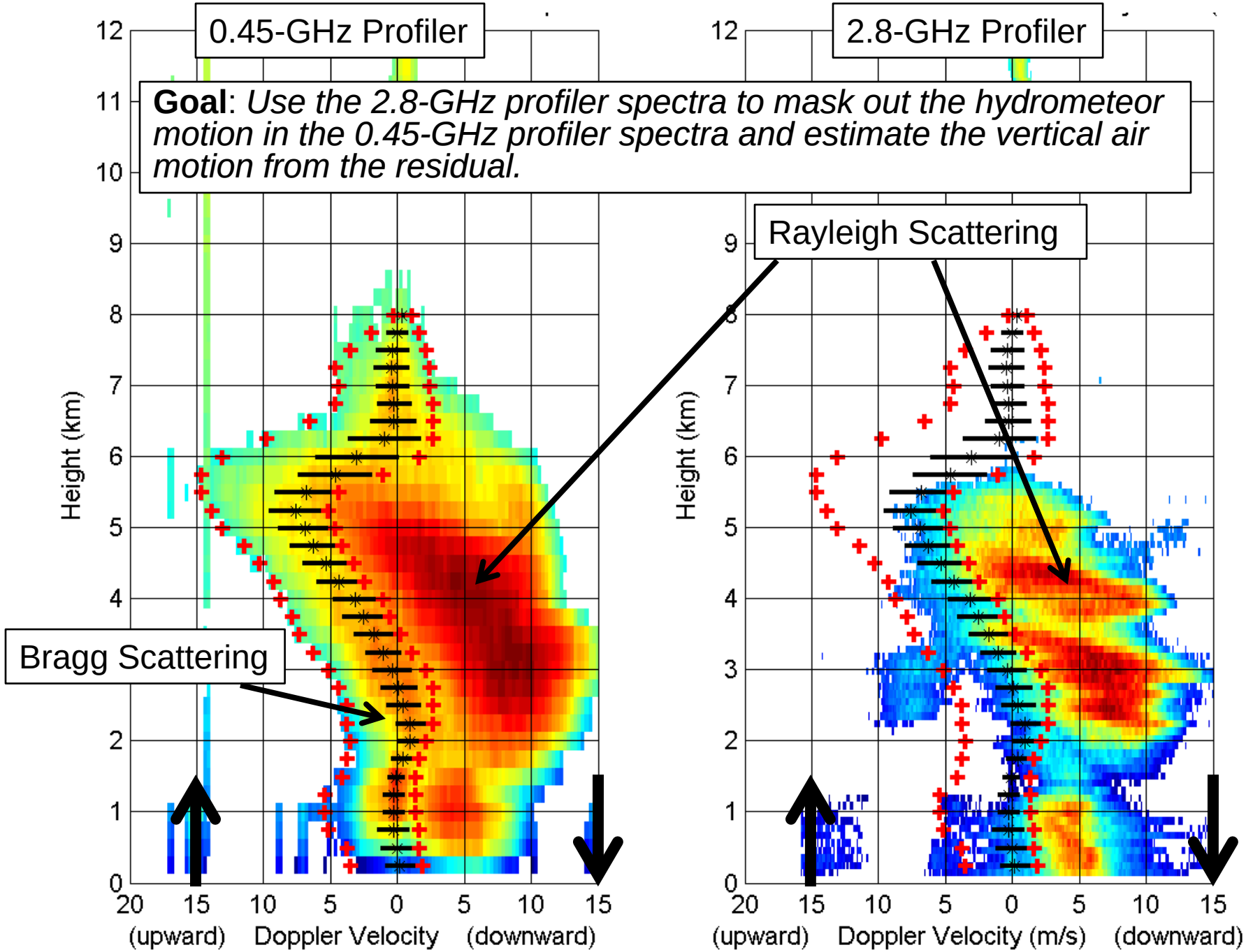
Vertically-pointing 0.45-GHz (449-MHz) and 2.8-GHz Profilers
North American Monsoon Experiment (NAME)
July-August 2004




0.45-GHz Profiler
2.8-GHz Profiler
Goal: Use the 2.8-GHz profiler spectra to mask out the hydrometeor motion in the 0.45-GHz profiler spectra and estimate the vertical air motion from the residual.
Rayleigh Scattering
Bragg Scattering
Height (km)
(upward) Doppler Velocity (downward)
(upward) Doppler Velocity (m/s) (downward)