New Miniature Instrumentation for Measurements in Polar Mixed-Phase Clouds using UAV’s and Tethered Balloons

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SPEC will Stage a Pilot Field Project to Measure Aerosol, Microphysics and Radiative Properties of Mixed-Phase Arctic Stratus Clouds using the Tethered Balloon and UAV Systems in the Spring of 2018

Tethered Balloon Microphysical Measurements in Mixed-Phase Cloud at the South Pole in February 2009 (Lawson et al. 2010)

Ice Nuclei Measurements at the South Pole (Ardon-Dryer 2011)

Tethered Balloon Microphysical and Radiative Measurements in Mixed-Phase Cloud at Ny-Alesund (Svalbard) in May 2008 (Sikand et al. 2010)