ISDAC Flight 16, April 8: Favorable Conditions for Possible Sufficiency of Conventional Ice Nucleation Mechanisms in an Arctic Stratus Layer

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In-situ measurements (2230-2300 UTC)

MMCR reflectivities and QuickBeam calcs from in-situ size distributions:

Korolev size distributions

McFarquhar size distributions

Simulations (2-6 h)

MMCR and QuickBeam calcs from simulated size distrib:

Reflectivities

Doppler velocities