(a) 35–95 GHz dual wavelength ratio

DWR_{35-95} [dB]

(b) 10–35 GHz dual wavelength ratio

DWR_{10-35} [dB]

obs.
Homogeneous spheroids
Bullet rosettes ($\gamma = 2$)
Small needles ($\gamma = 5/3$)
Large needles ($\gamma = 4/3$)

(c) PSD shape parameter

μ

(d) Retrieved snow rate

S [mm h^{-1}]

PIP
Homogeneous spheroids
Bullet rosettes ($\gamma = 2$)
Small needles ($\gamma = 5/3$)
Large needles ($\gamma = 4/3$)

(e) Retrieved median volume diameter

D_0 [mm]

(f) Retrieved number concentration

N_w [m^{-4}]

(g) Retrieved bulk density

$\overline{\rho}$ [kg m^{-3}]

PIP
Homogeneous spheroids
Bullet rosettes ($\gamma = 2$)
Small needles ($\gamma = 5/3$)
Large needles ($\gamma = 4/3$)

00:00 00:10 00:20 00:30 00:40 00:50 01:00

Time (UTC)