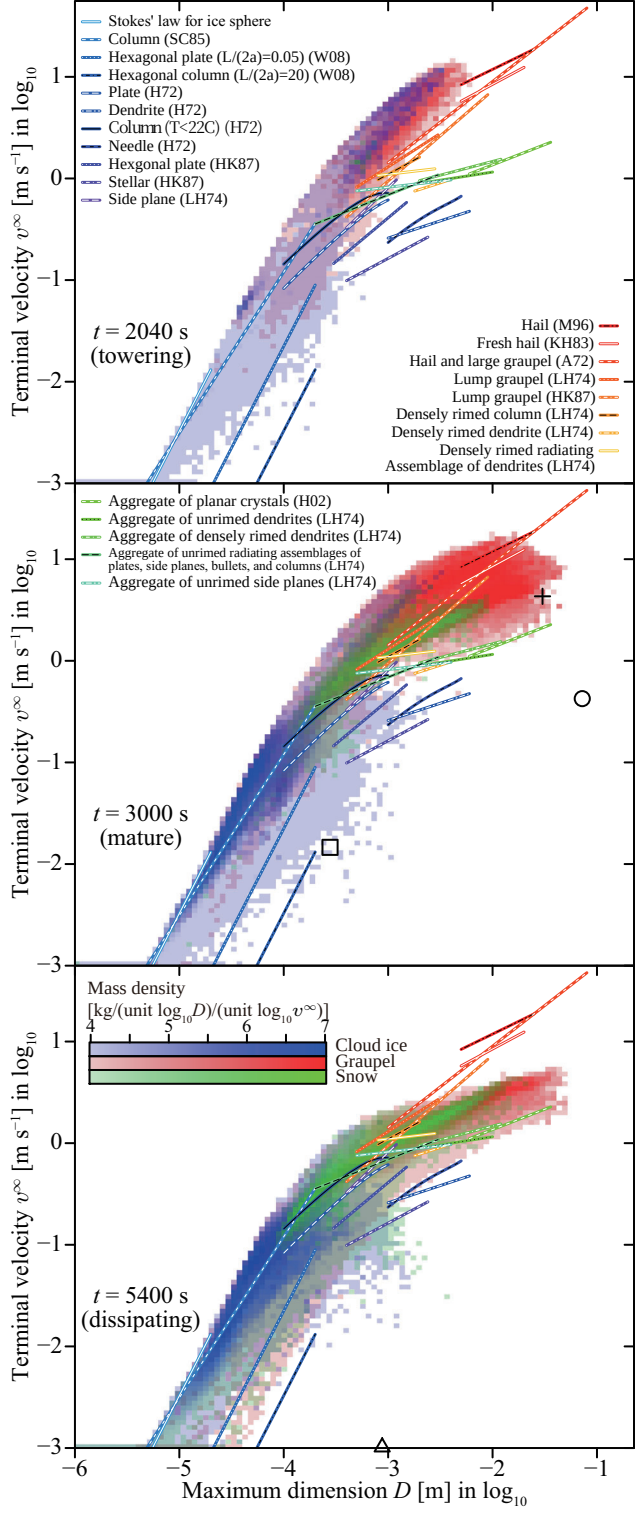
Stokes' law for ice sphere
Column (SC85)
Hexagonal plate (L/(2a)=0.05) (W08)
Hexagonal column (L/(2a)=20) (W08)
Plate (H72)
Dendrite (H72)
Column (T<22C) (H72)
Needle (H72)
Hexgonal plate (HK87)
Stellar (HK87)
Side plane (LH74)
Hail (M96)
Fresh hail (KH83)
Hail and large graupel (A72)
Lump graupel (LH74)
Lump graupel (HK87)
Densely rimed column (LH74)
Densely rimed dendrite (LH74)
Densely rimed radiating
Assemblage of dendrites (LH74)
t = 2040 s
(towering)
Aggregate of planar crystals (H02)
Aggregate of unrimed dendrites (LH74)
Aggregate of densely rimed dendrites (LH74)
Aggregate of unrimed radiating assemblages of plates, side planes, bullets, and columns (LH74)
Aggregate of unrimed side planes (LH74)
t = 3000 s
(mature)
Mass density
[kg/(unit log10 D)/(unit log10 v∞)]
4
5
6
7
Cloud ice
Graupel
Snow
t = 5400 s
(dissipating)
Terminal velocity v∞ [m s−1] in log10
Maximum dimension D [m] in log10
1
0
−1
−2
−3
−6
−5
−4
−3
−2
−1