Cloud droplets to precipitation:

N(d), LWC, w, **9**... time evolution kinematic structure

SCMS Florida '95:

pulsating growth

early drizzle/rain spotty, 'random'

KingAir – in situ air motions and microphysics

Wyoming Cloud Radar – reflectivity, Doppler velocity

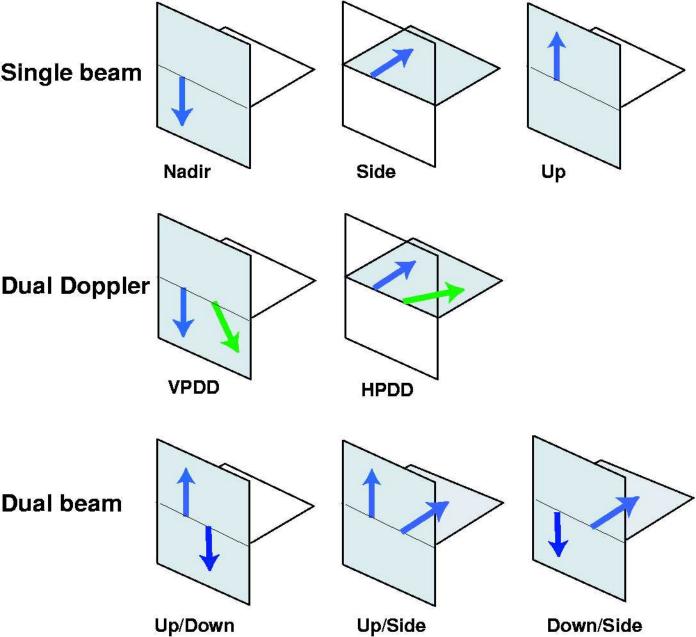
repeat sampling ensemble sampling

Supporting observations: SPOL (time evolution)

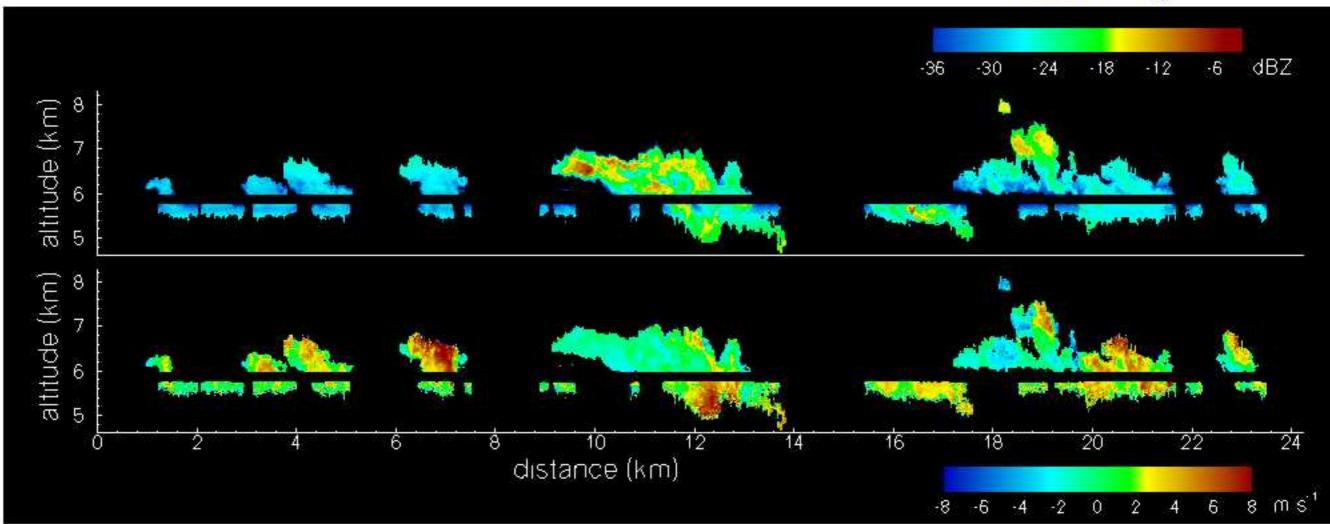
SABLE (cloud base)

C130 (aerosol and CCN)

Cloud photography



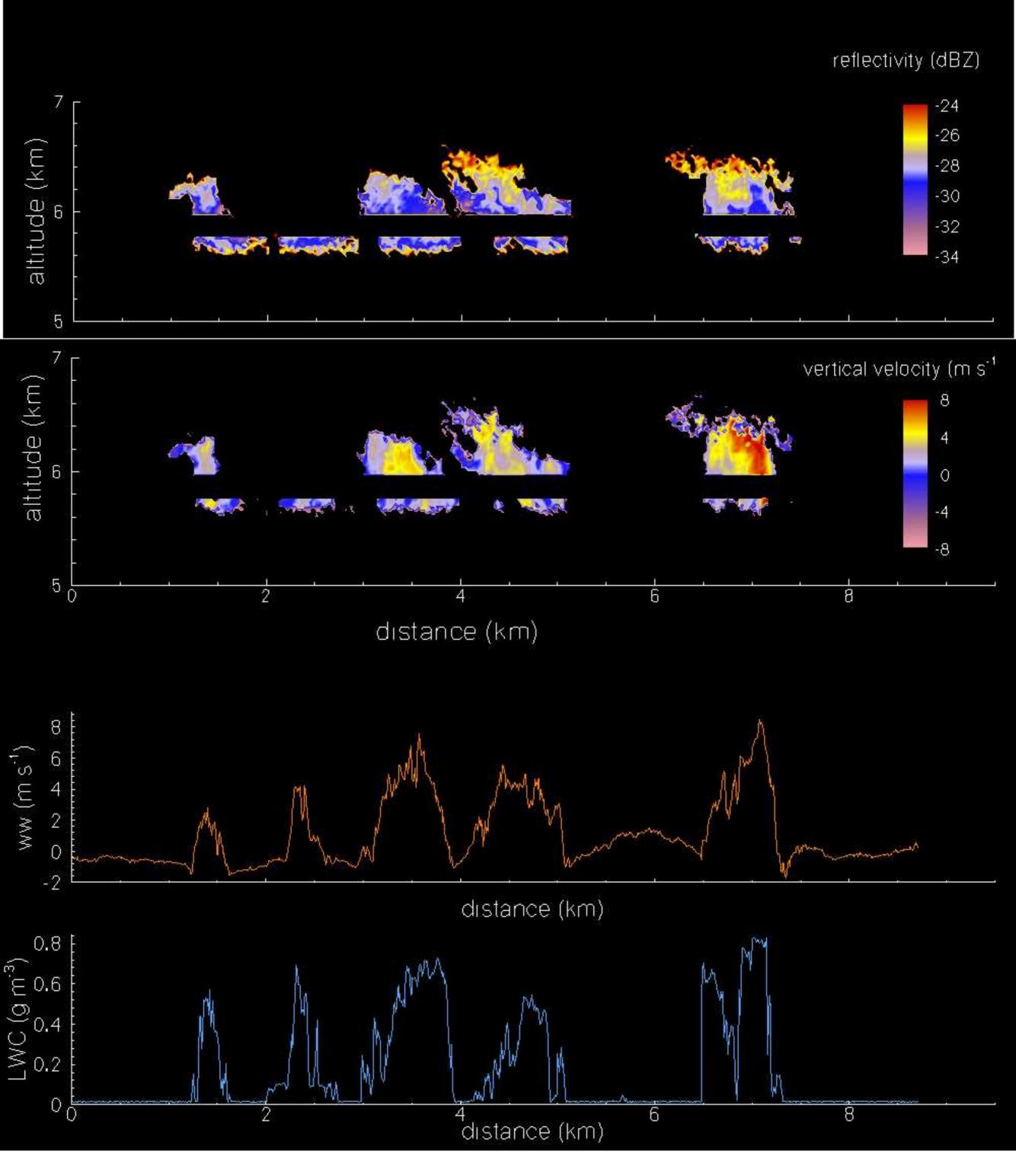
reflectivity



vertical velocity

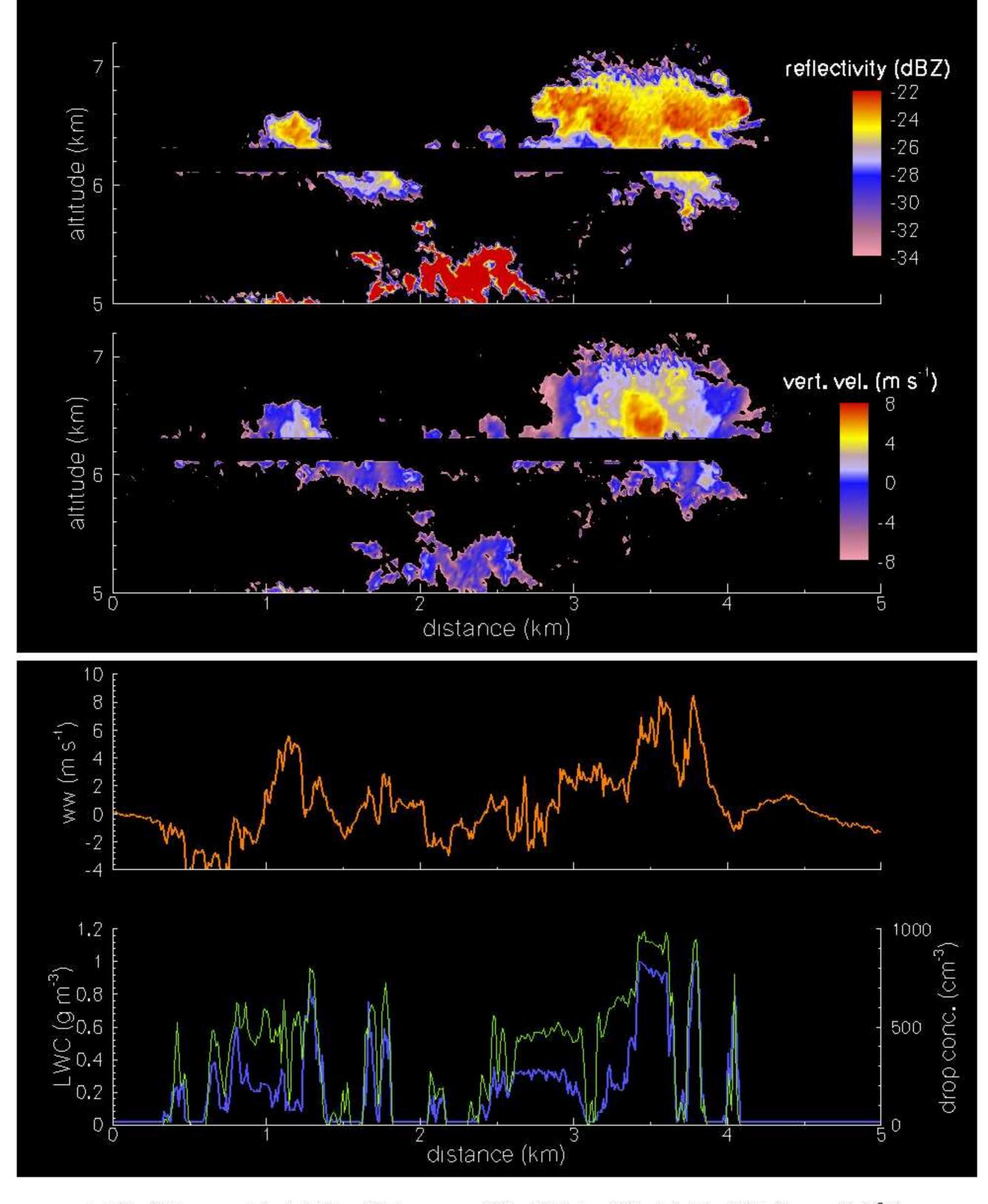
HıCu03 aug 7; Ine from NW to SE; 20:32 - 20:36 5860 m; -6.6°C



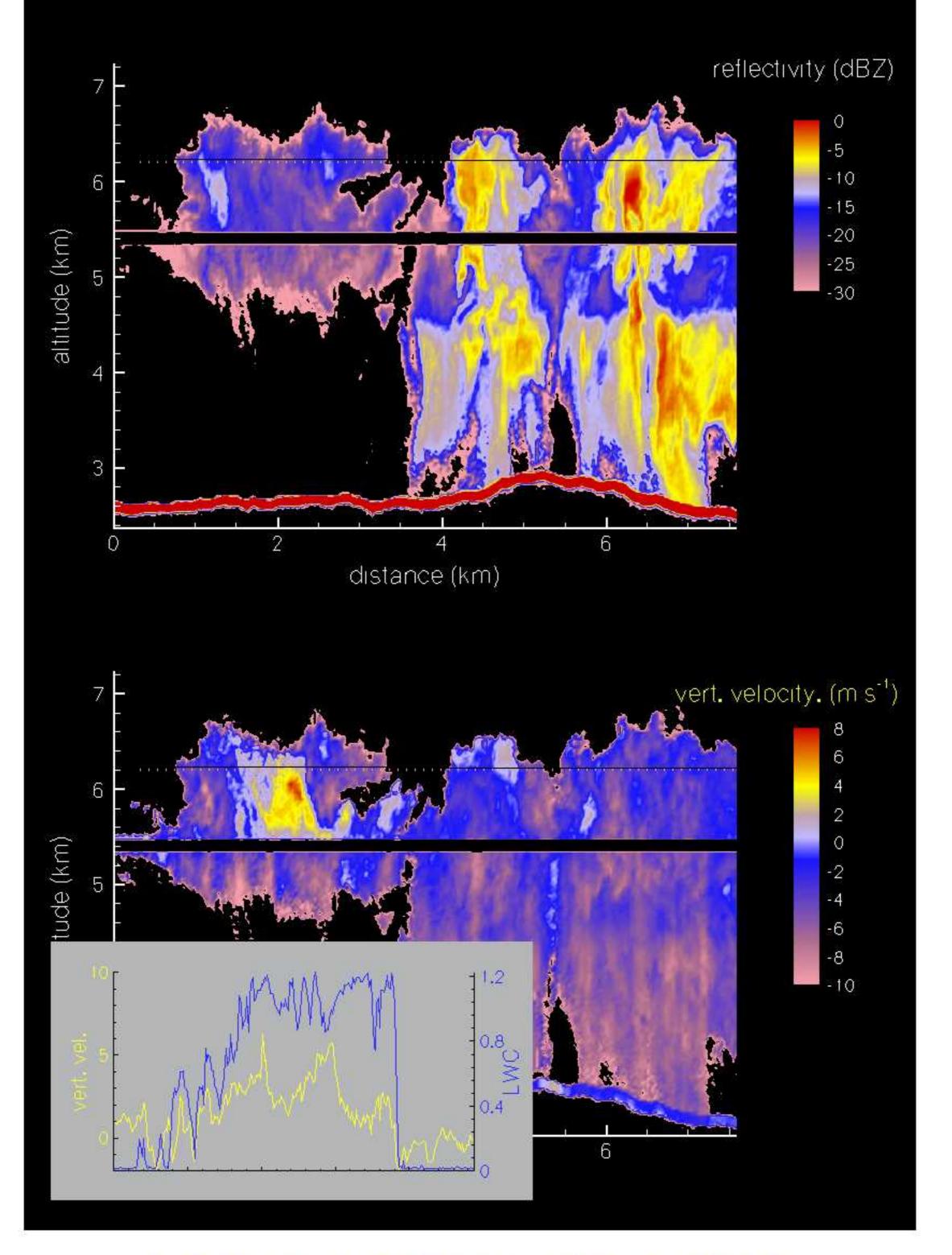


HıCu03; aug 7 NW to SW line; 20:32:00 - 20:33:35 5860 m -6.6°C

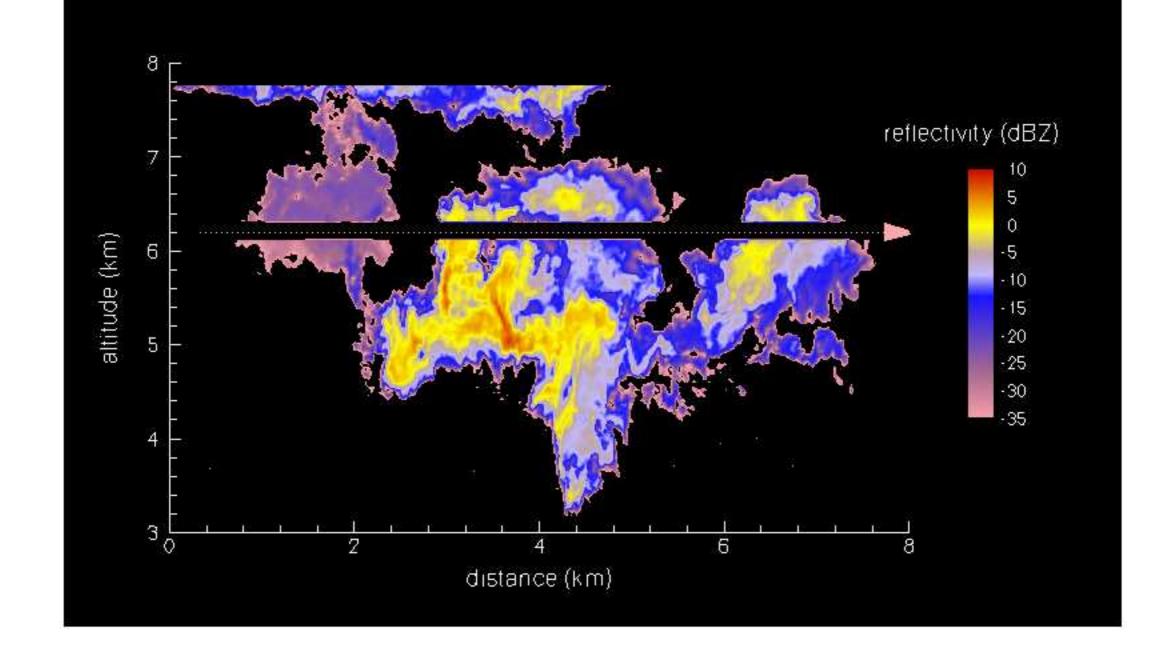




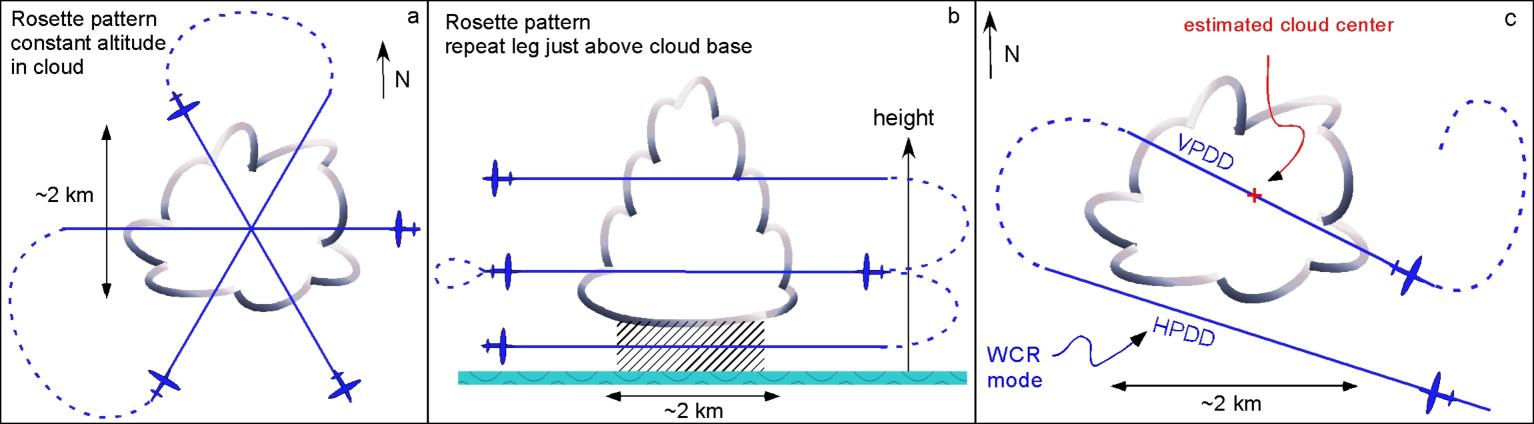
HıCu03; aug 7 NW to SE pass; 20:46:31 - 20:47:30 6210 m -8.9°C

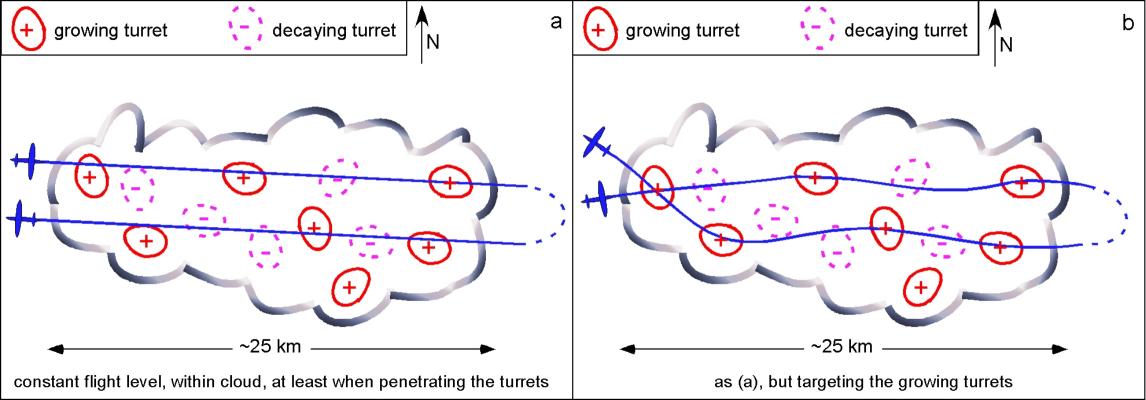


HıCu03 aug 8; S to N pass; 19:53:00 - 19:54:25 5405 m; -3.2°C

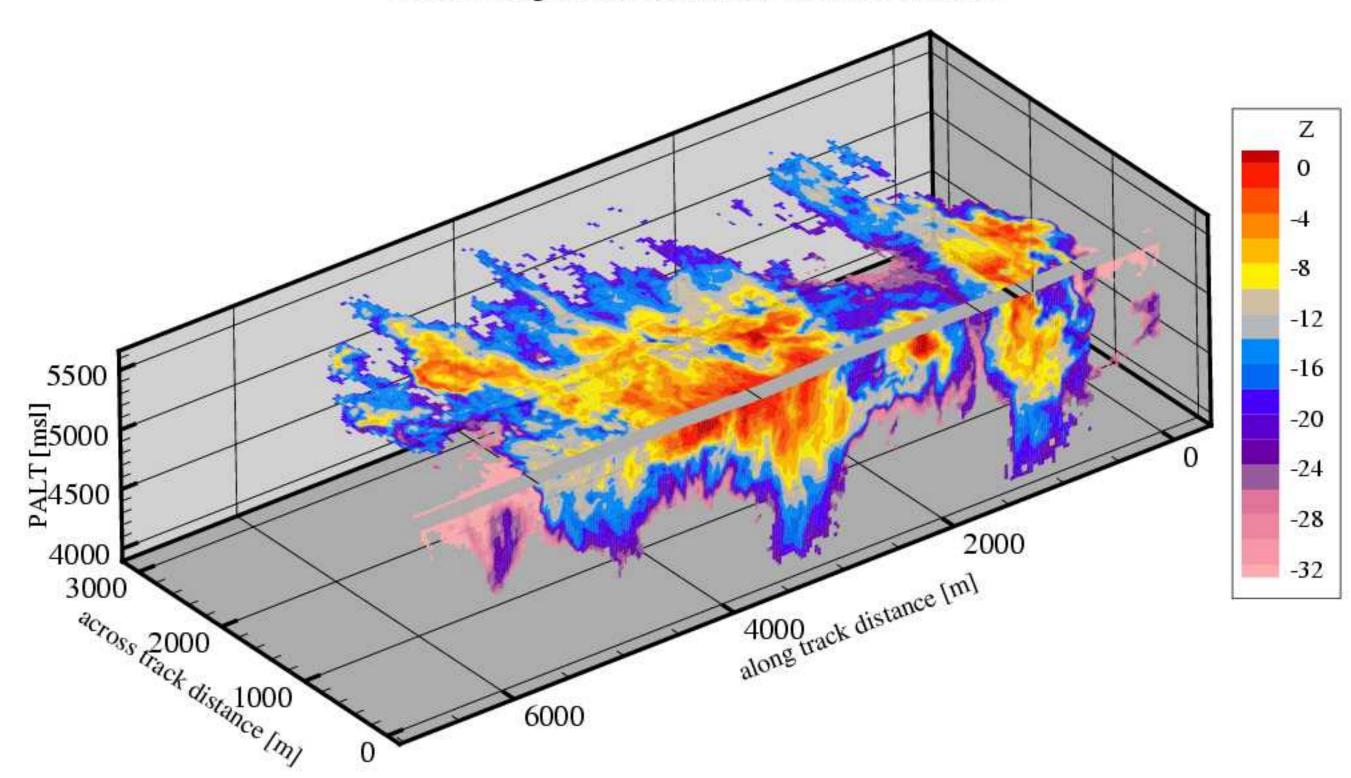


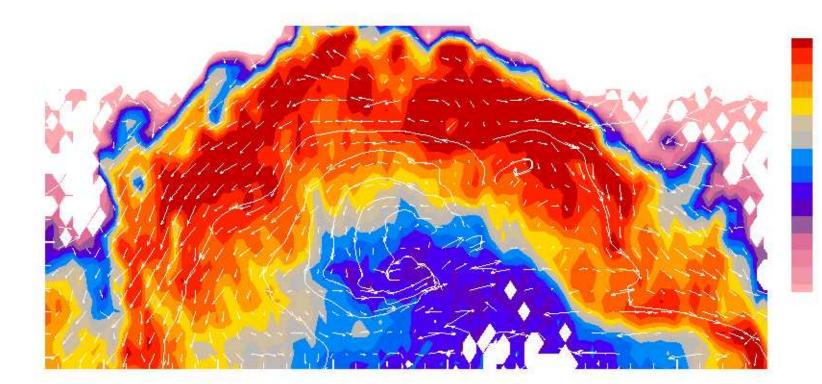
HıCuO3 aug 7; NW to SE pass; 20:44:19 - 20:46:01 6210 m; -8.9°C





HiCu03 Aug26th side/dwn scan 17:26:00-17:27:15





HiCu03 Jul12th 193510:193600 HBDD case

