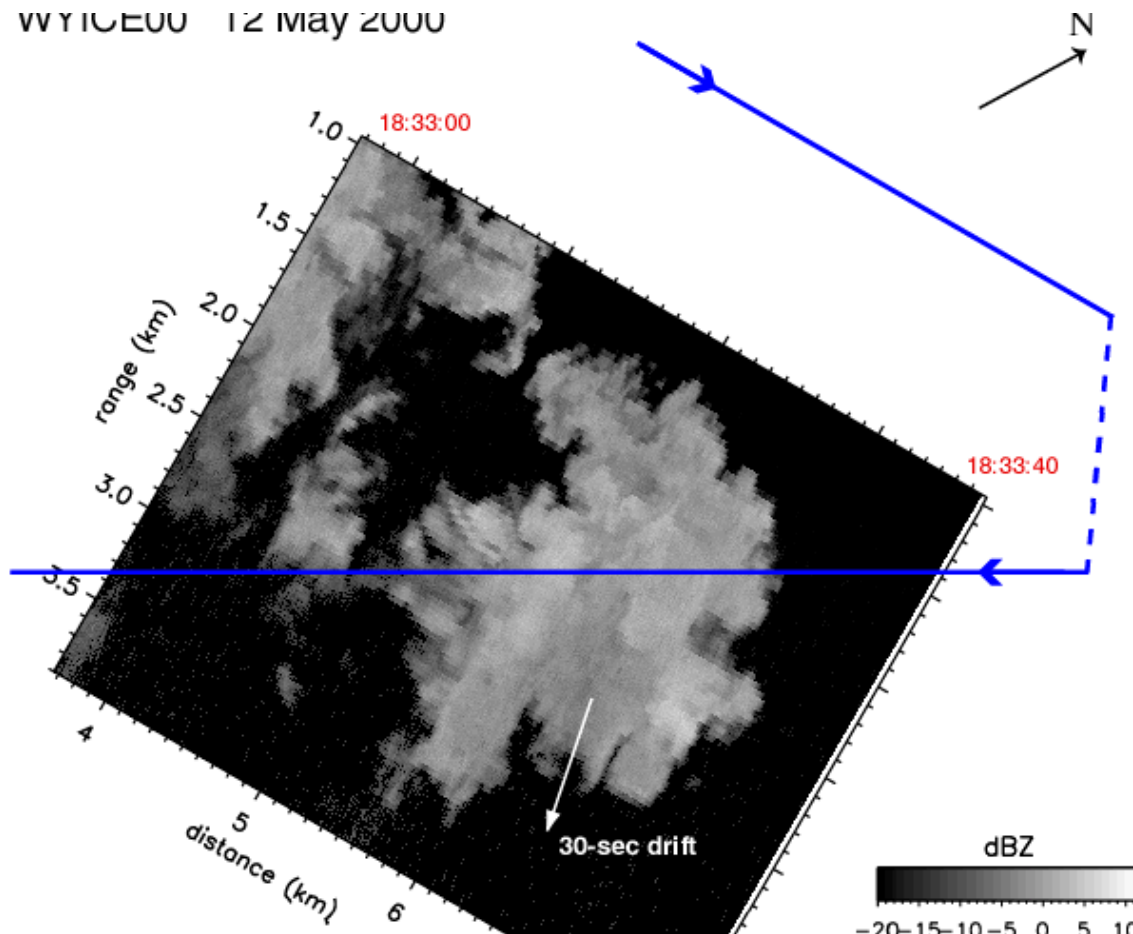
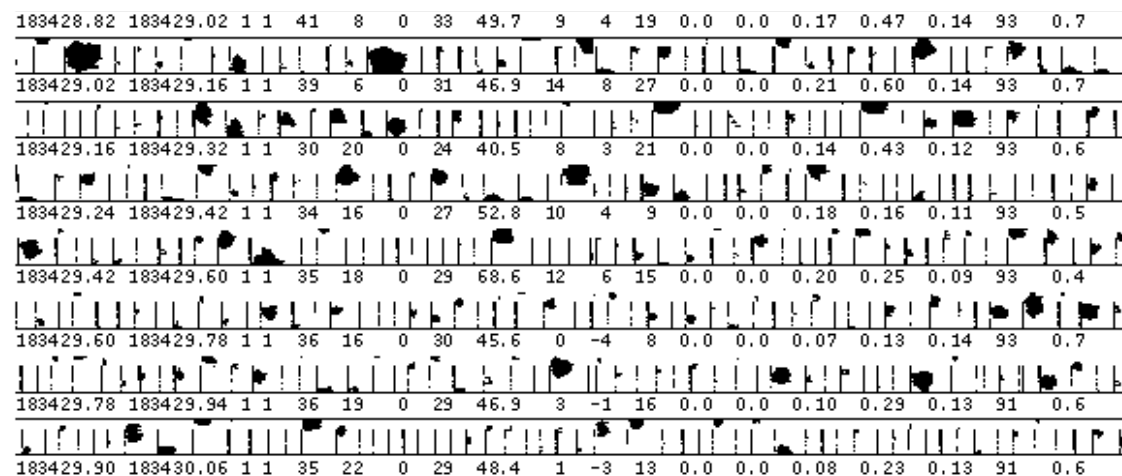
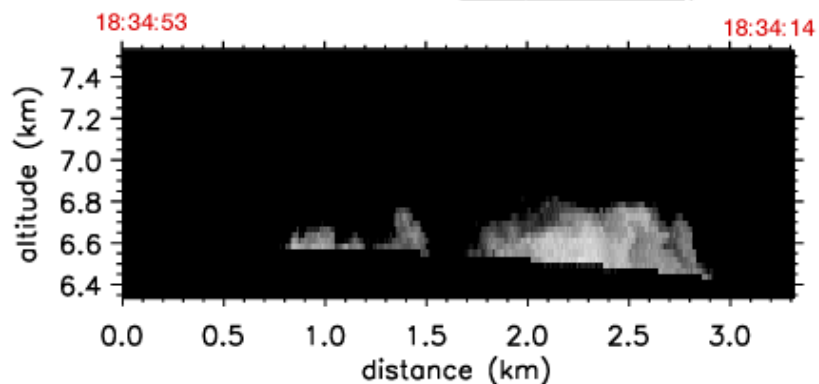
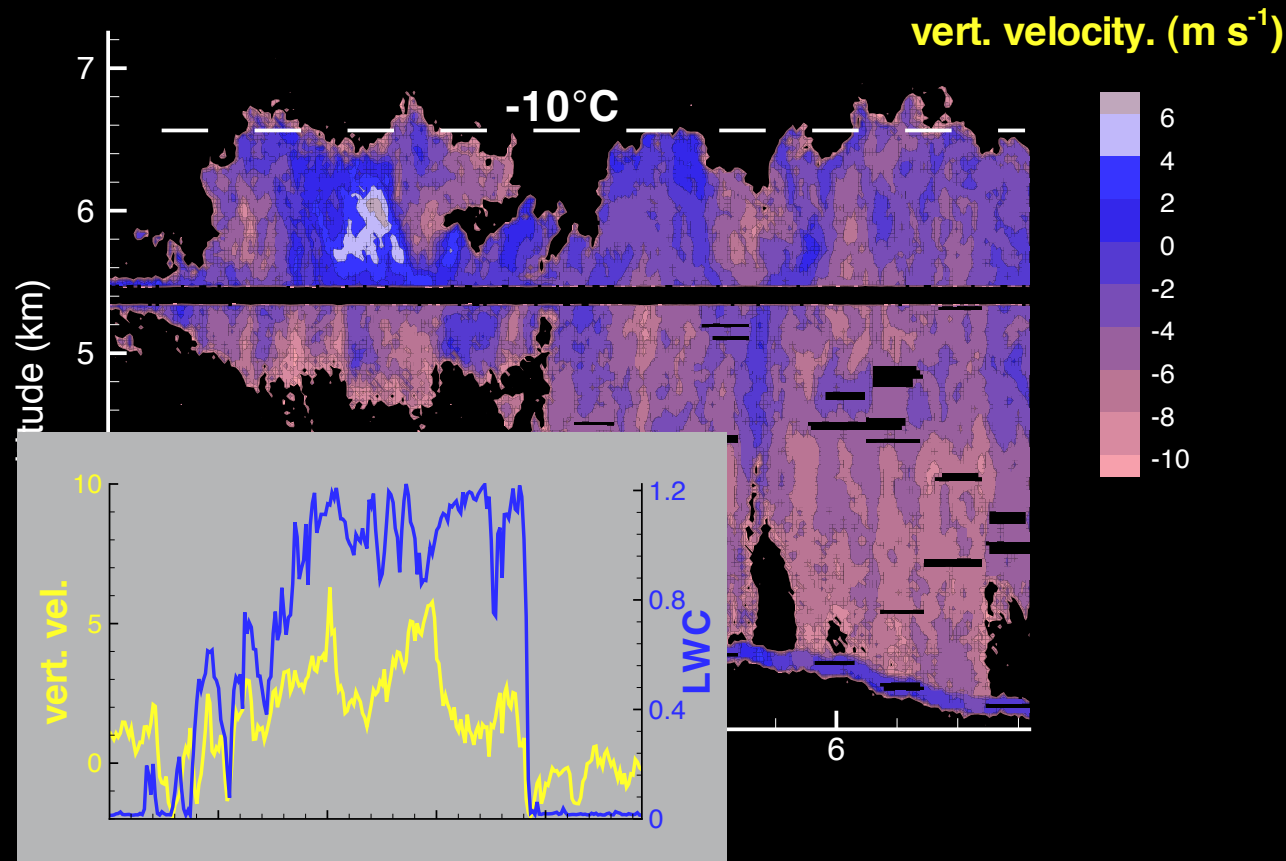
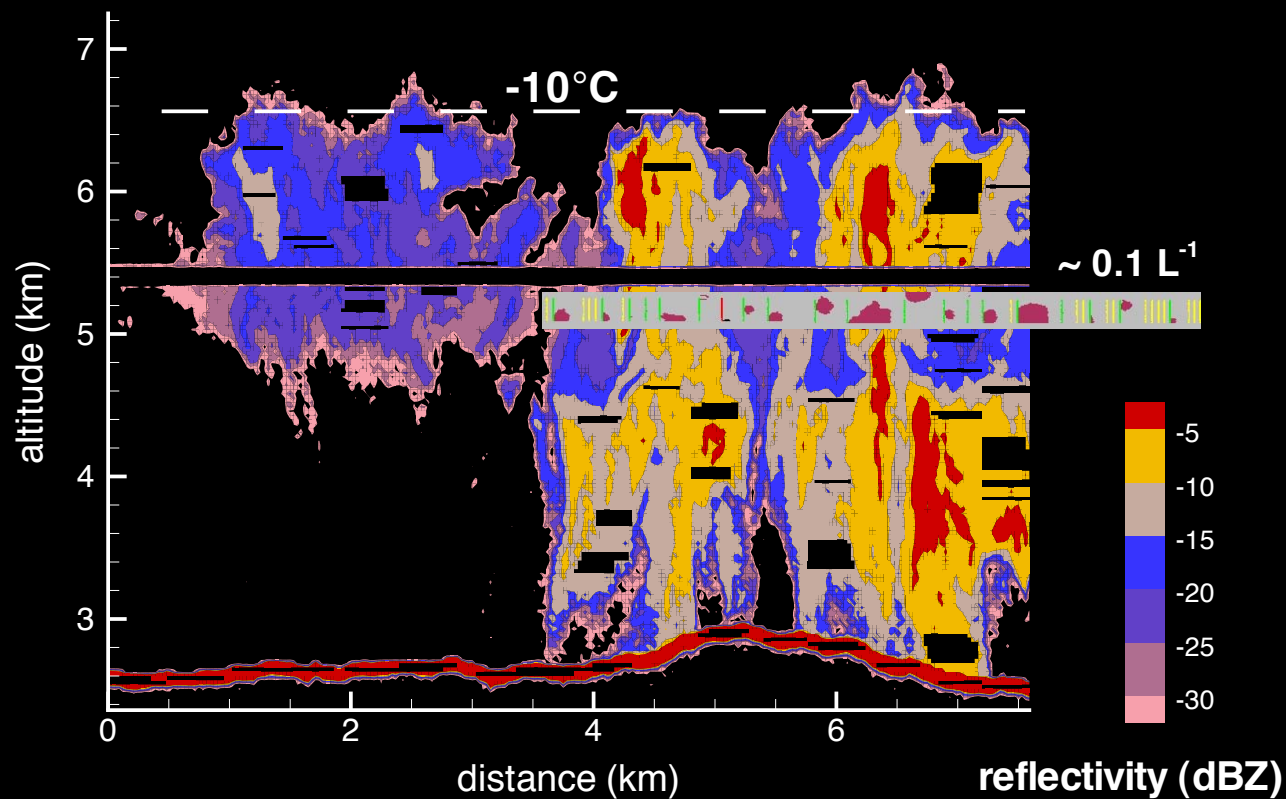


-38°C

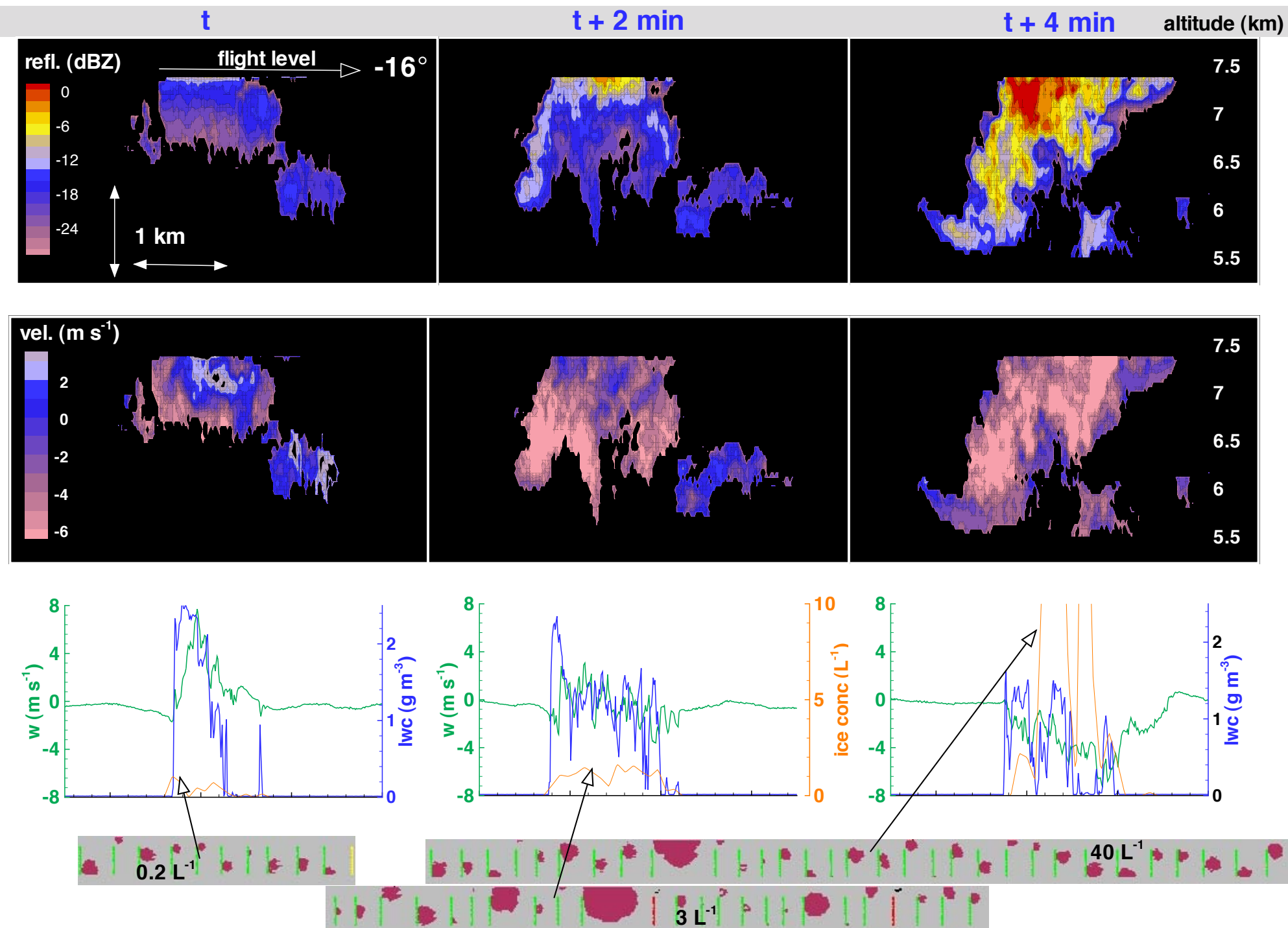
no liquid water

in 5 m/s updraft





HiCu03 aug 8; S to N pass; 19:53:00 - 19:54:25
5405 m; -3.2°C



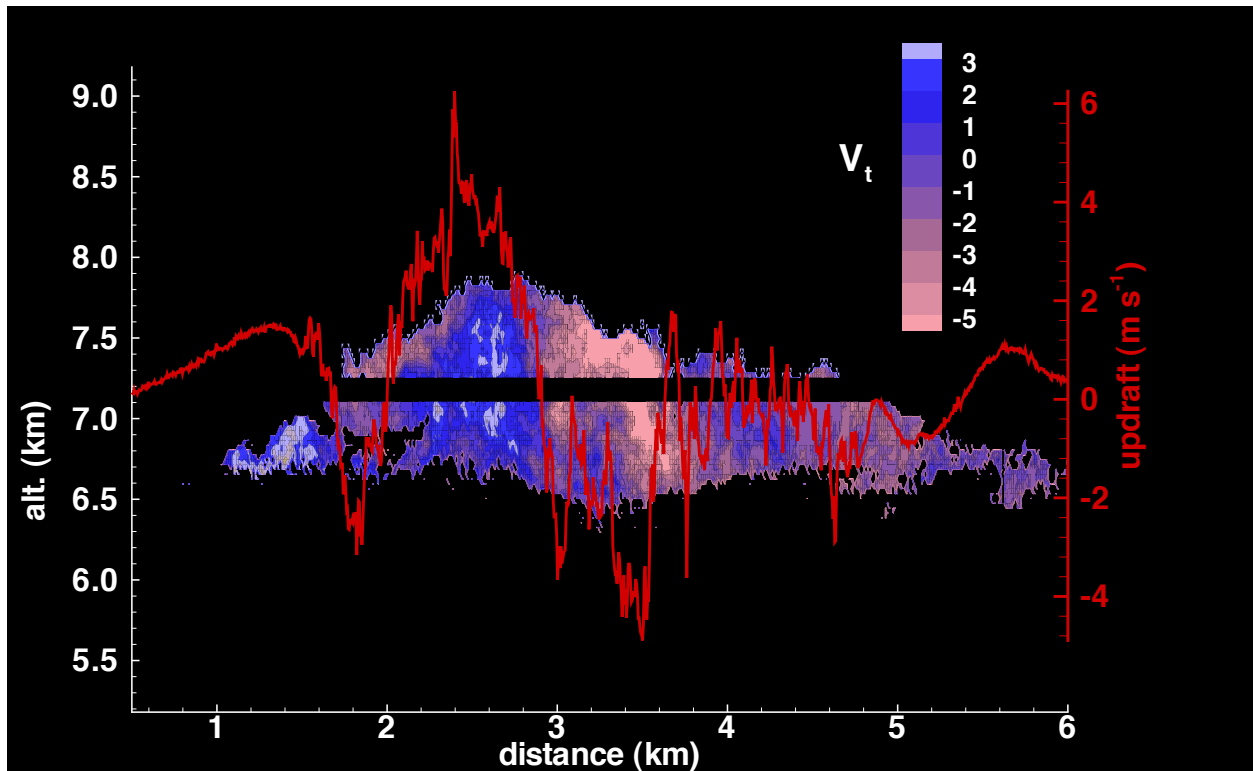
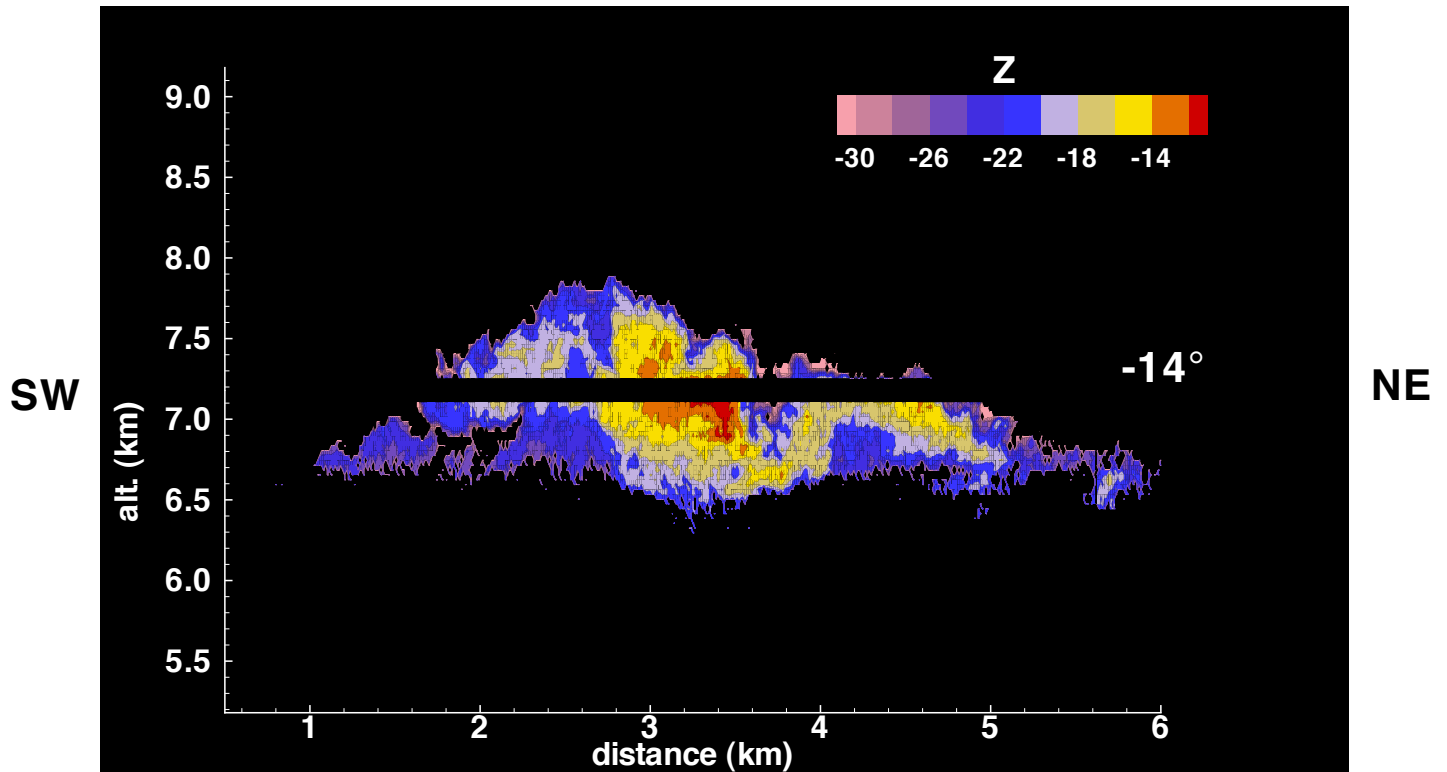
HiCu-03, 30808 18:05:18:09, sequence of three penetrations at -16°C level.
 150° - 330° heading; all images NW-SE. Wind $260^{\circ}/4 \text{ m s}^{-1}$; no shear.



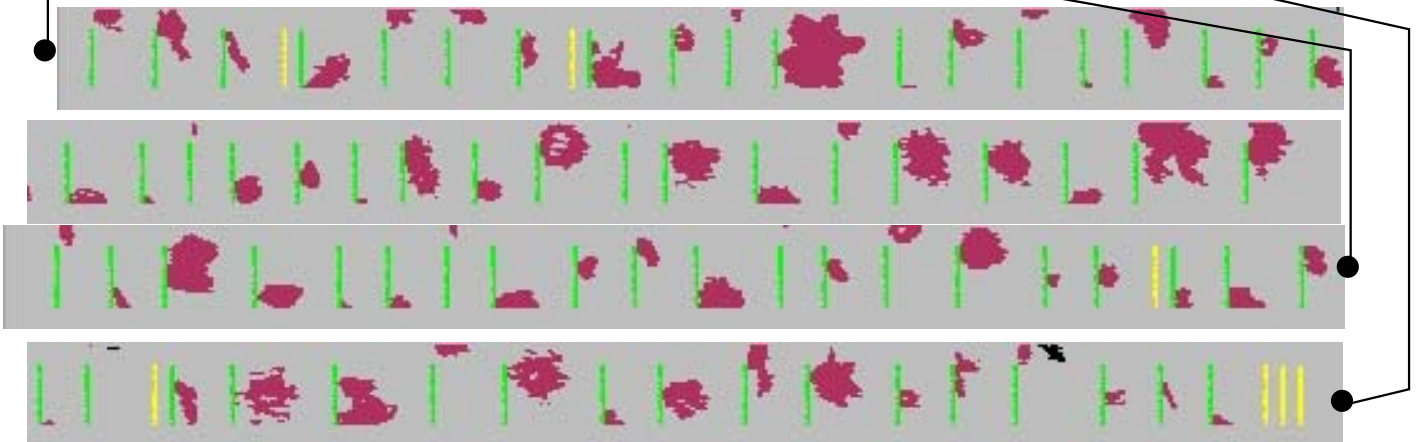
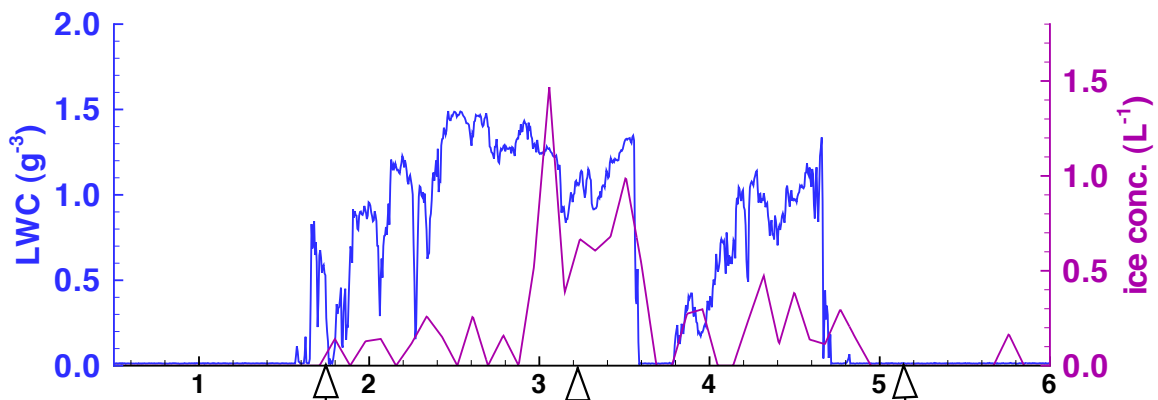
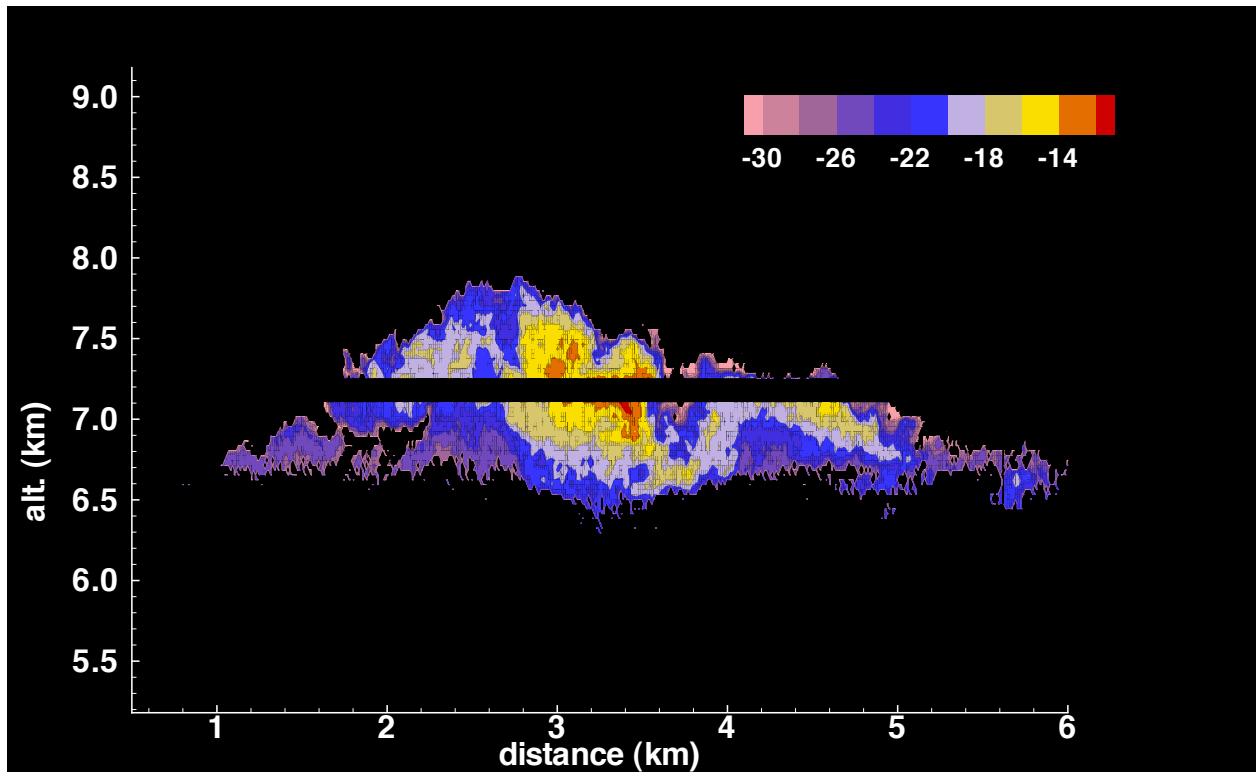
t



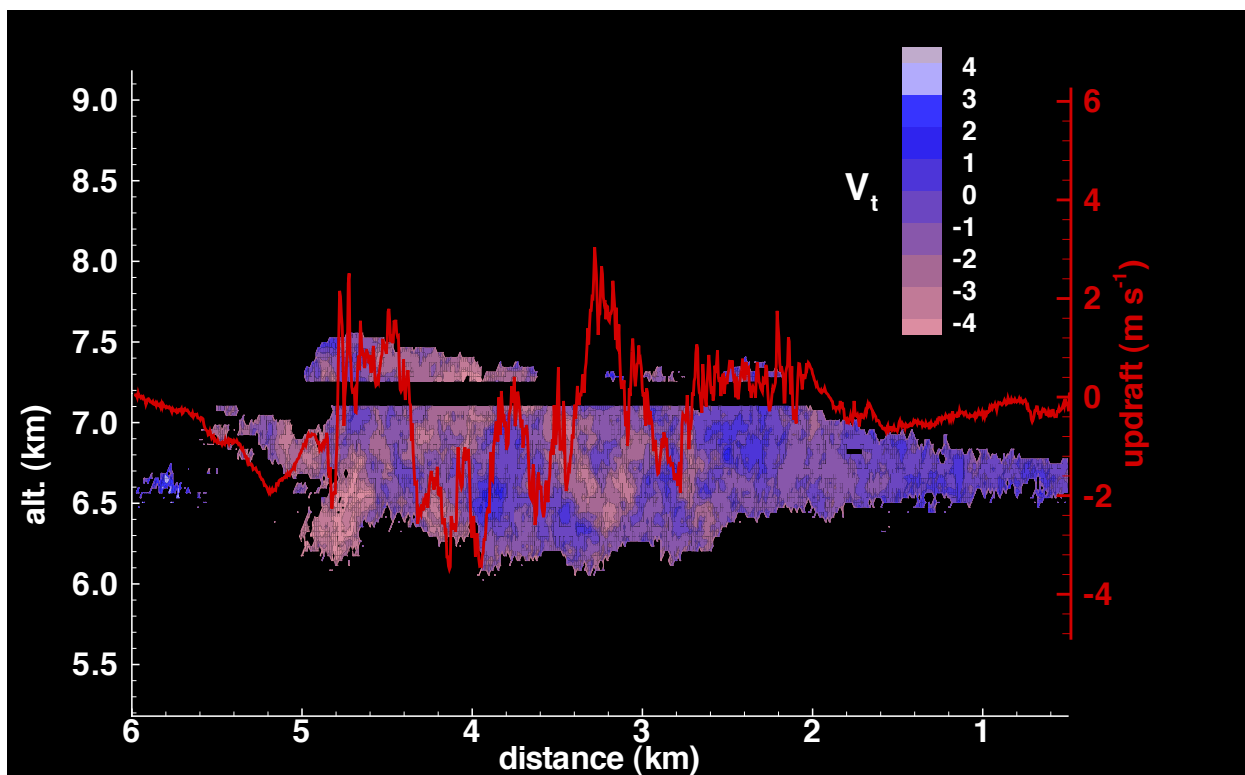
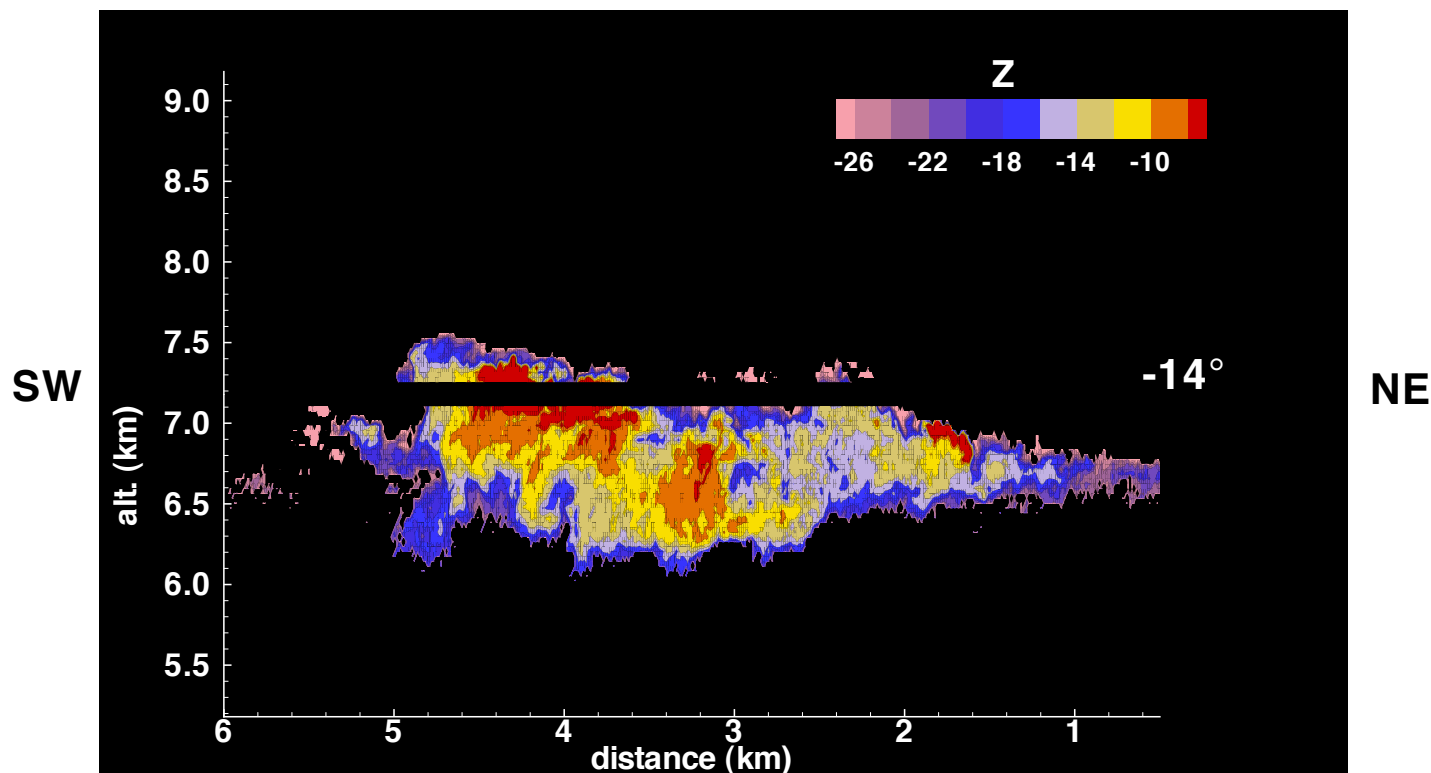
t + 4



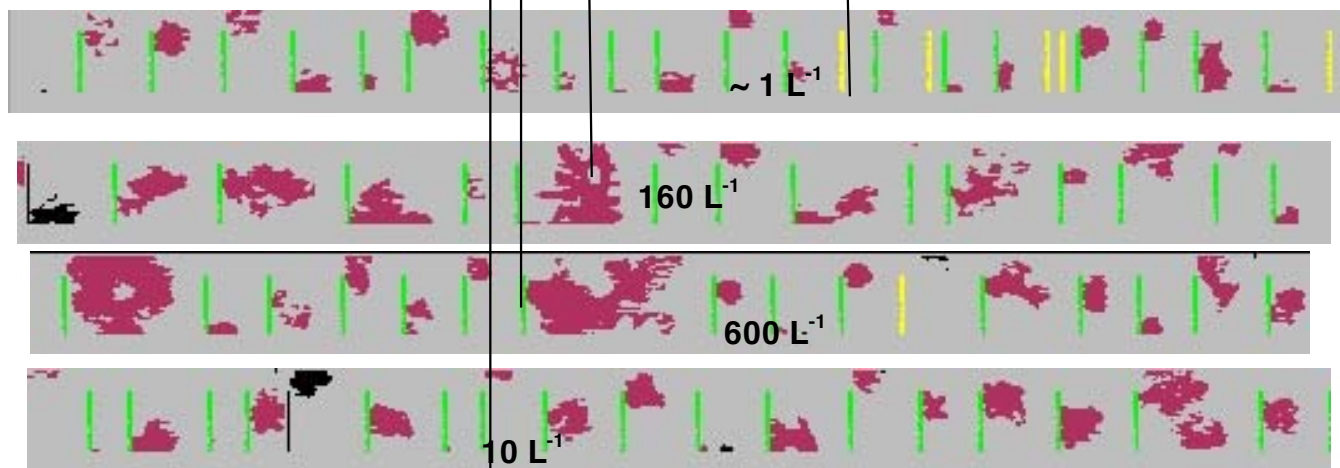
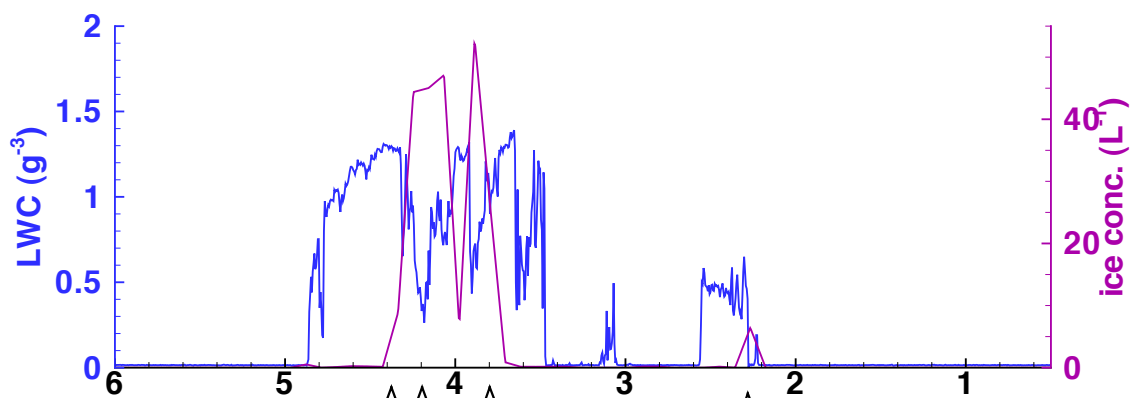
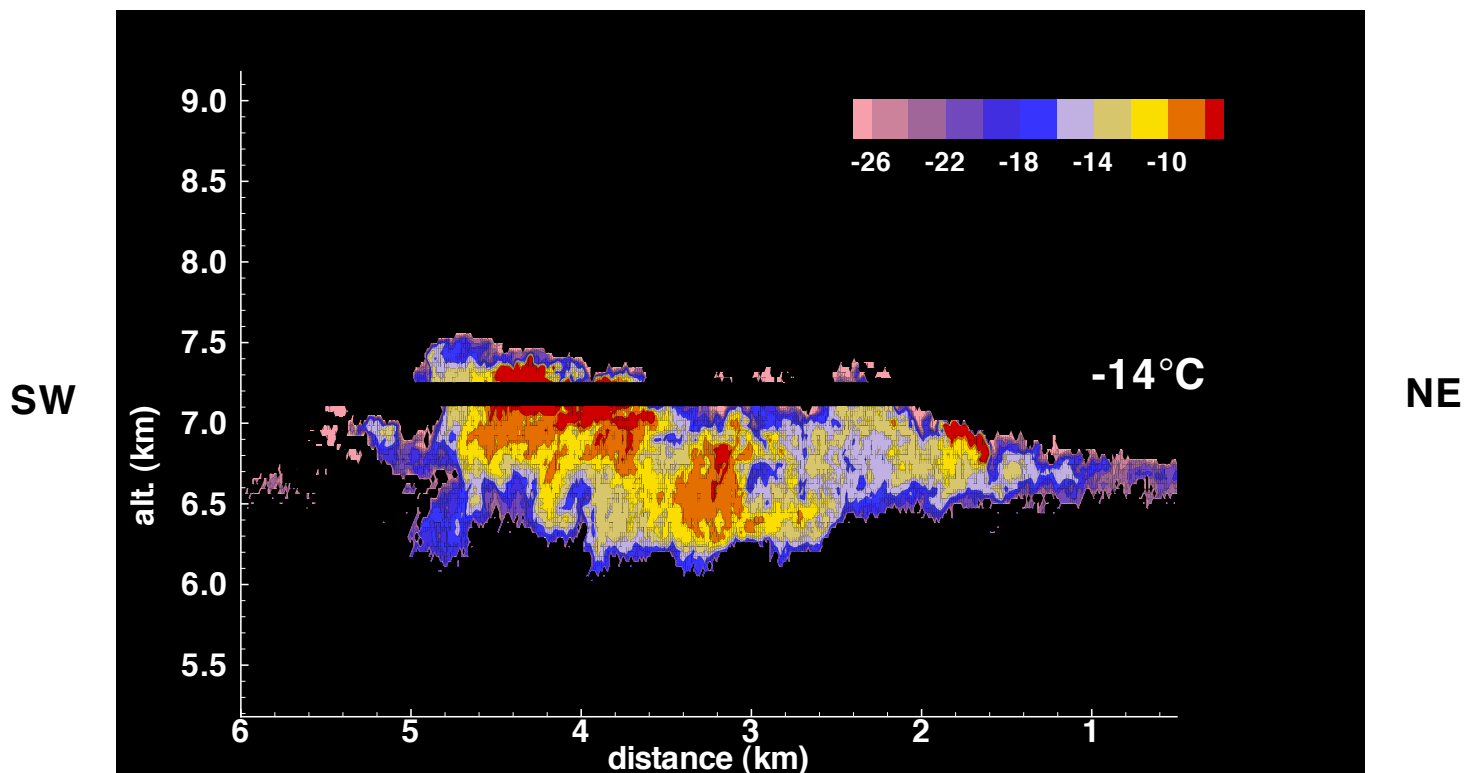
HiCu03 aug 11, 20:17 UTC
 first pass through new and old turret
 cloud base estimate: 5.0 km



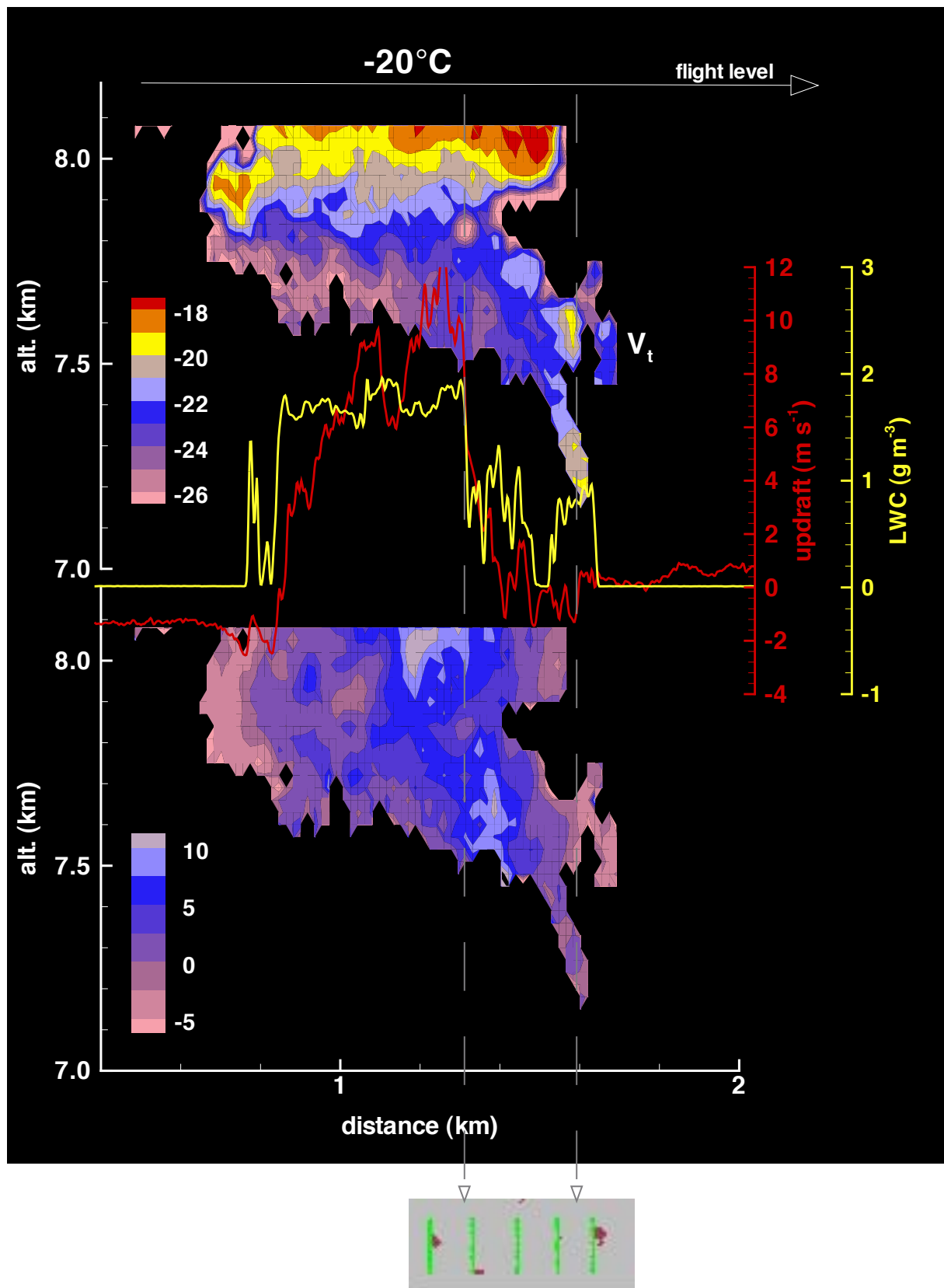
HiCu03 aug 11, 20:17 UTC
first pass LWC and 2D-C data



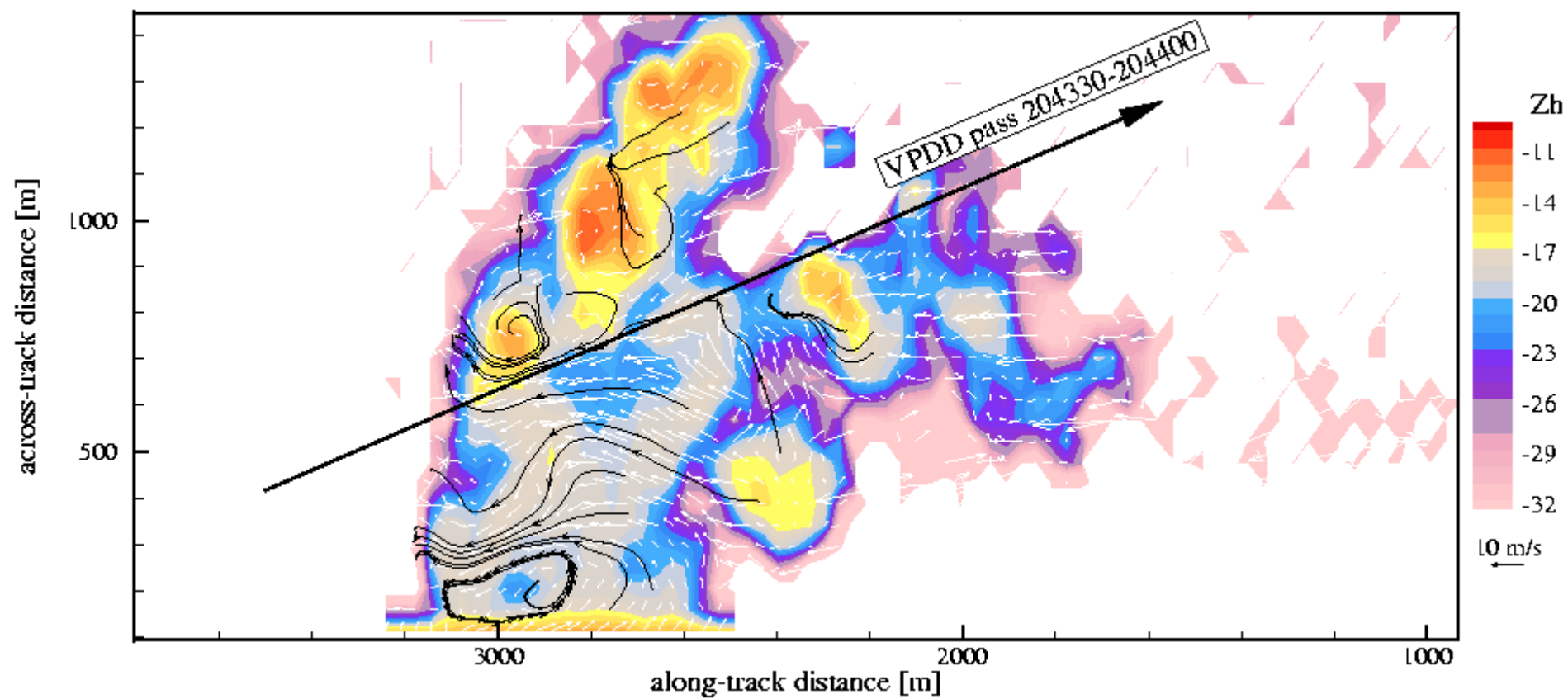
HiCu03 aug11, 20:21
second pass; 4-min after first

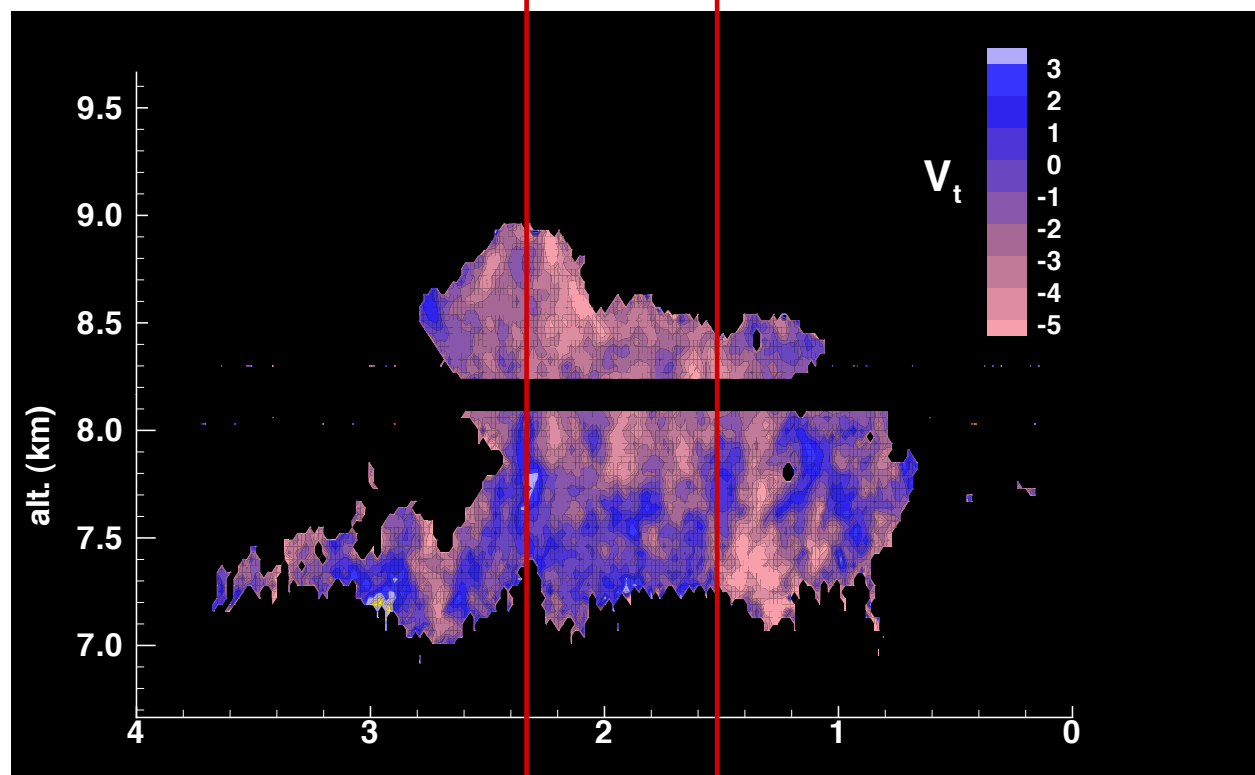
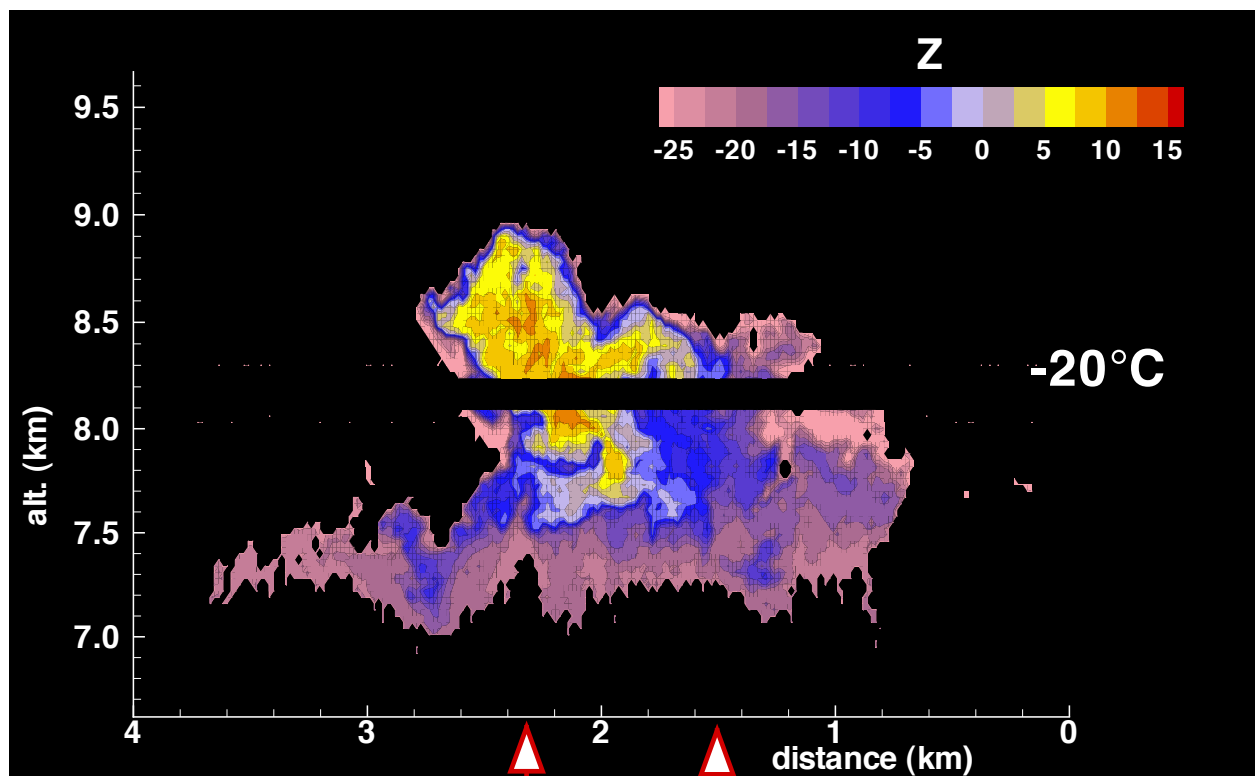


HiCu03 aug11, 20:21
second pass LWC and 2D-C data

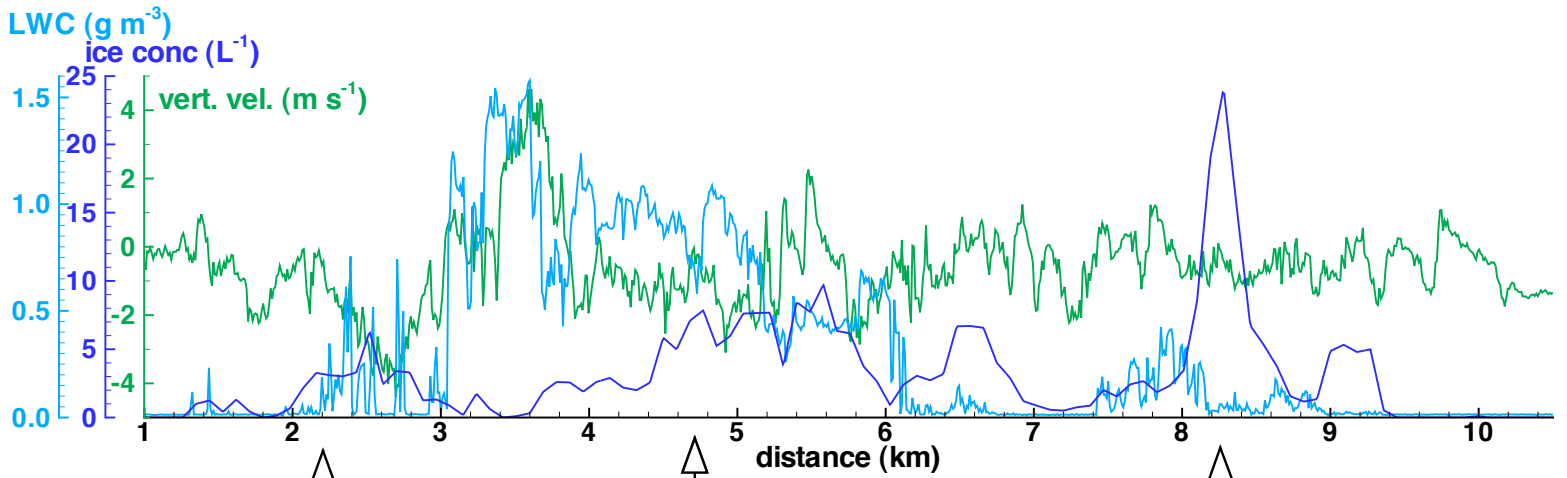
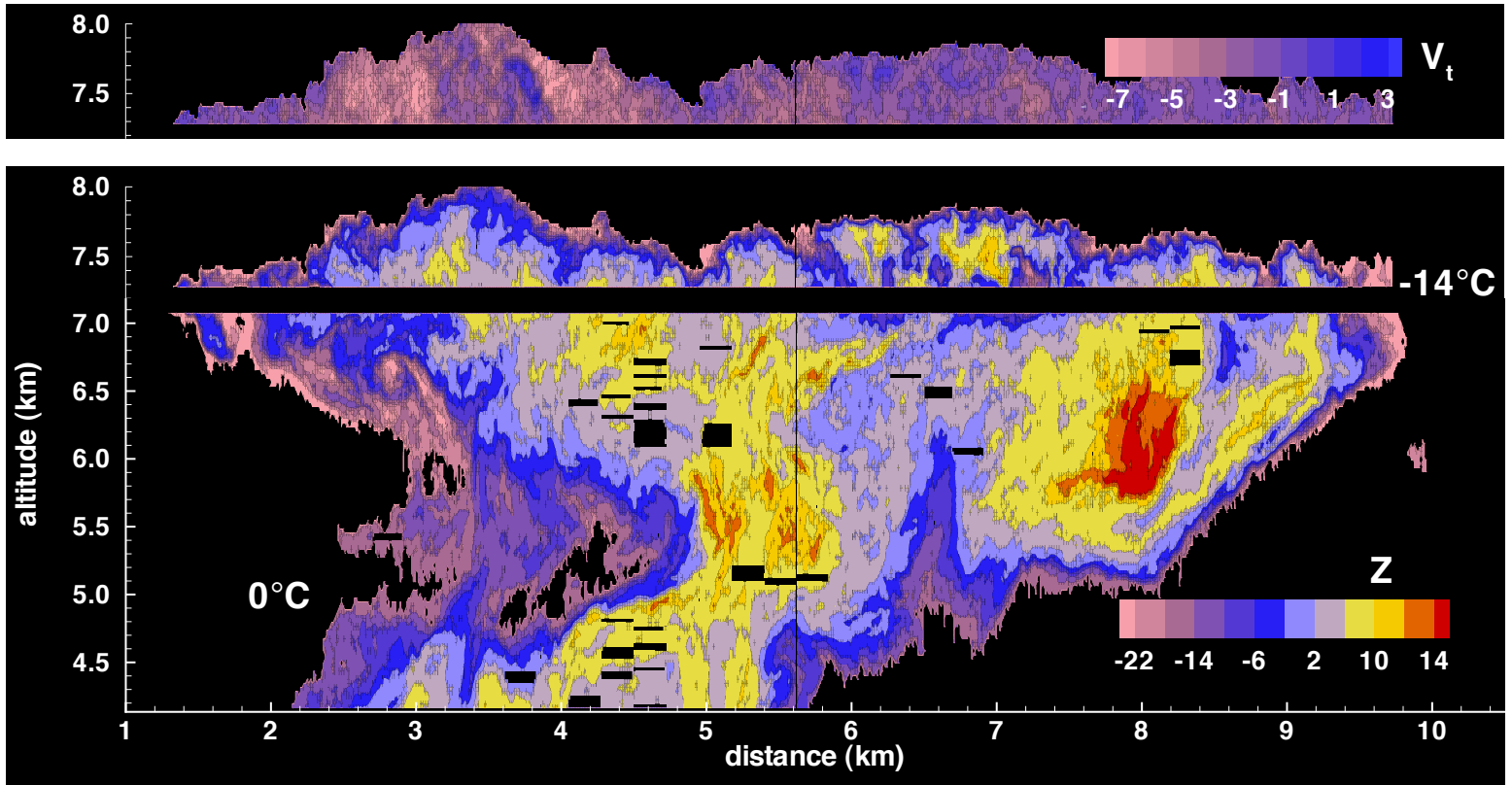


HiCu03 jul 18, 20:43
first pass on 060° heading
estimated cloud base altitude: 4.8 km

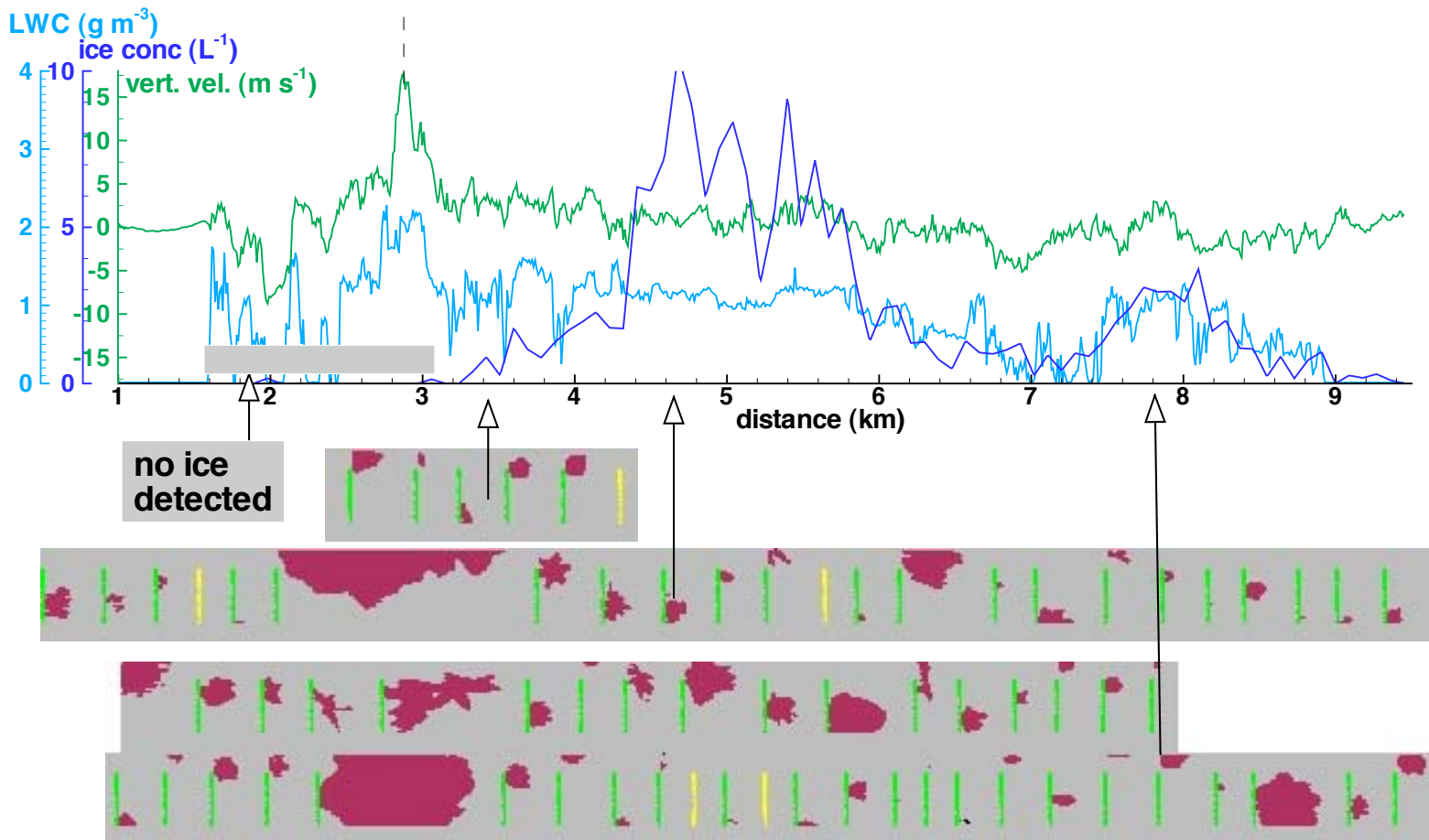
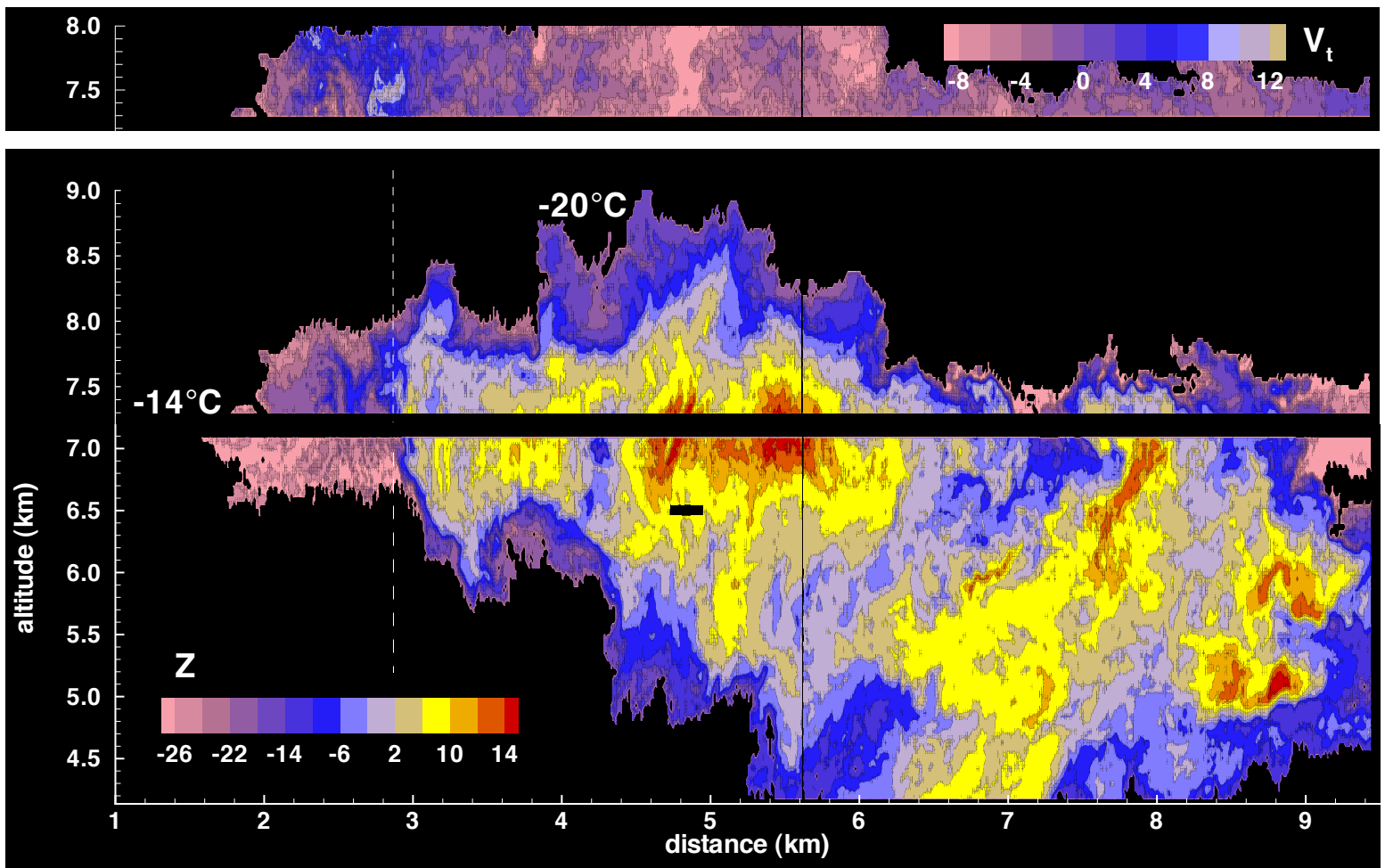




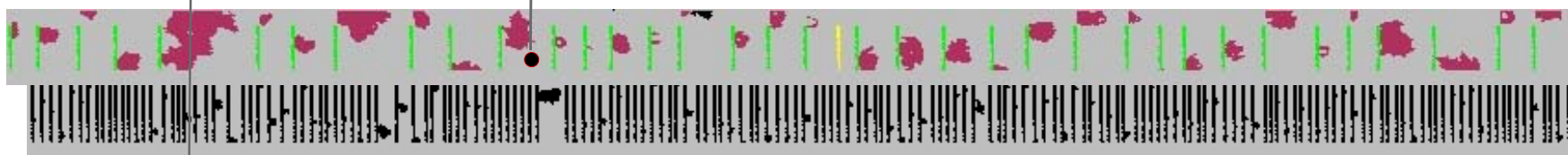
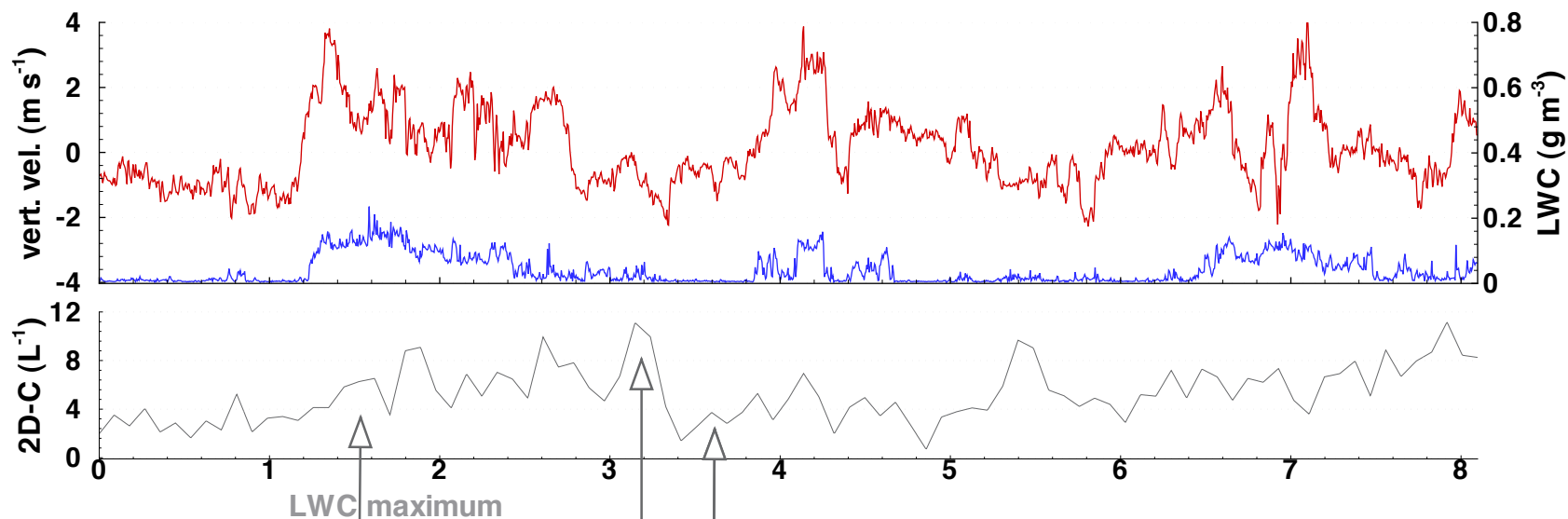
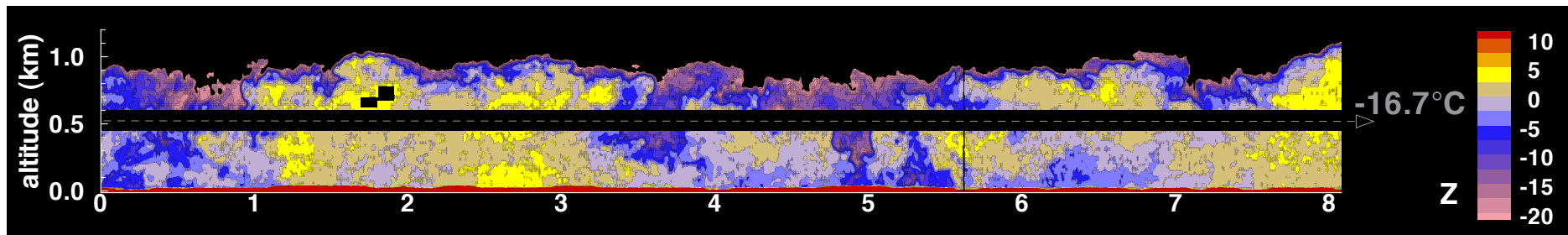
HiCu03, jul 18, 20:49 UTC
fourth pass on 300° heading



***Cu con* cluster during apparently slow transition to ice.
HiCu03 aug 11, 21:16**



***Cu con* cluster still (!!)** in water to ice transition
 even with top at -20°C , but with $\text{IC} \leq 10 \text{ L}^{-1}$.
 HiCu03 aug 11, 21:20 UTC



ROLLS04 jan 30, 18:52:20-18:53:50 UTC level at 523 m during stepwise spiral descent