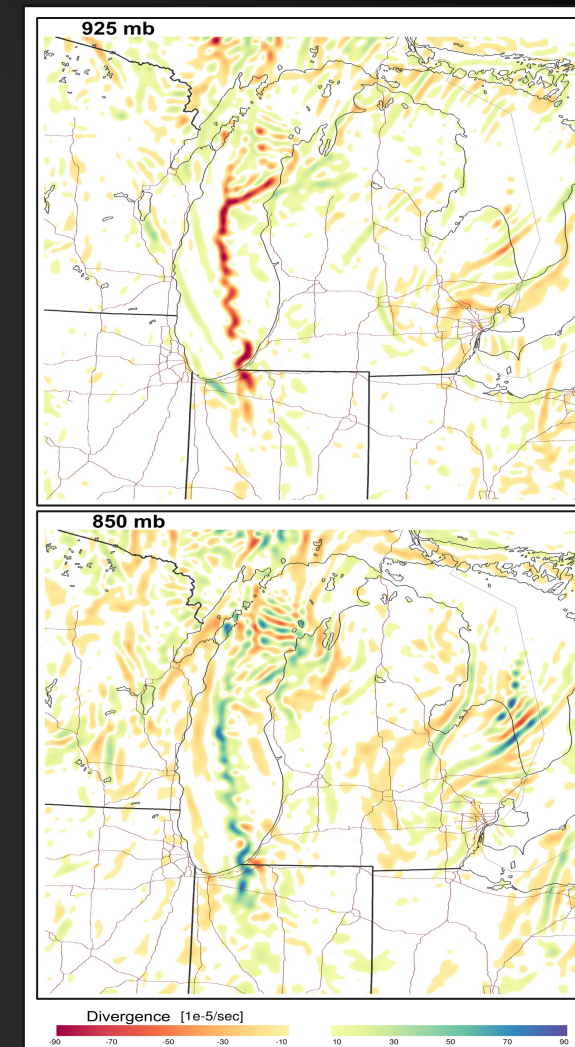
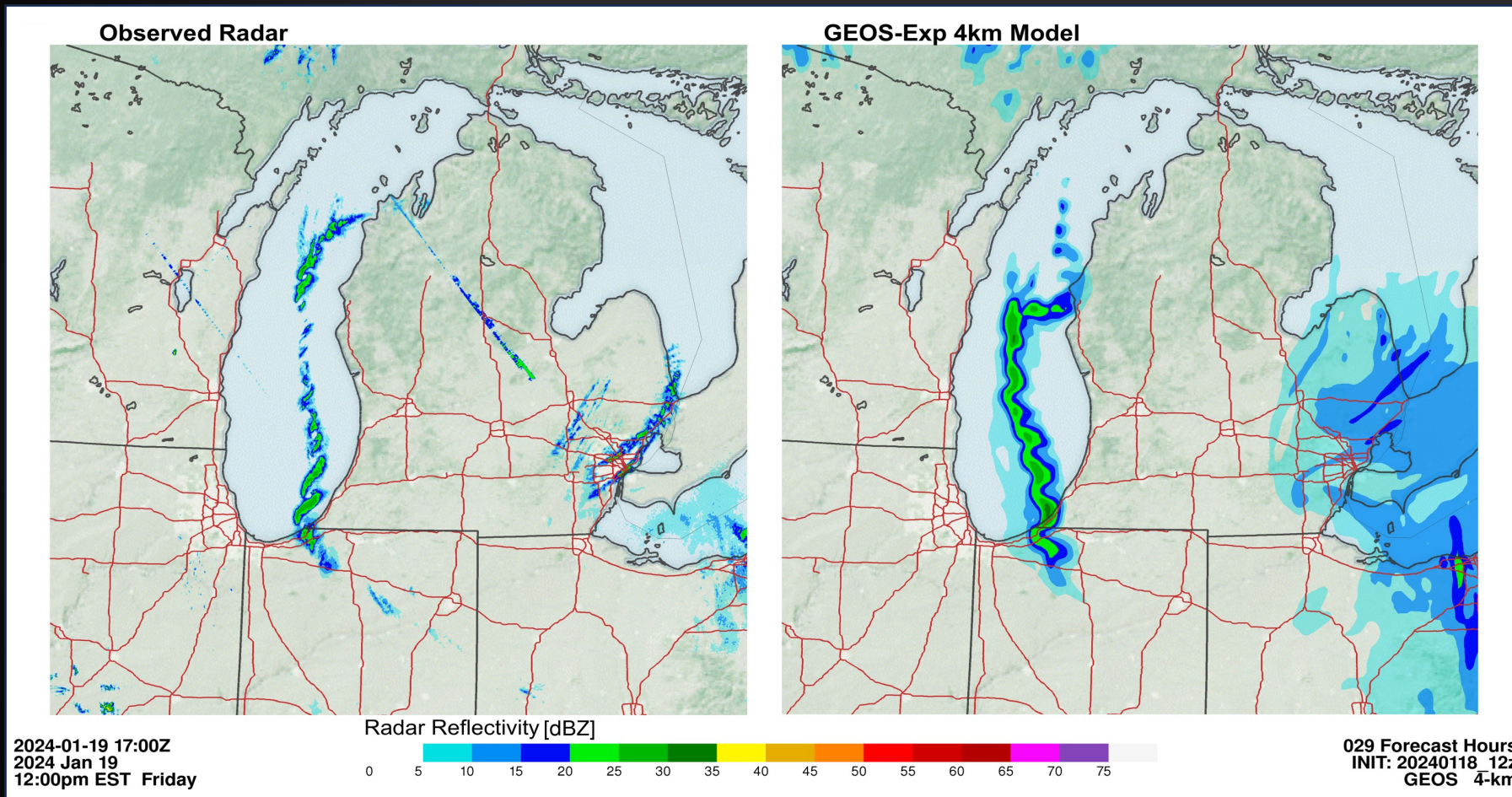


Lake Effect Snow in GEOS-Exp 4km Model



The experimental Goddard Earth Observing System (GEOS) 4km resolution model forecasted a significant lake-effect snow event over Lake Michigan on January 19th, 2024. The high-resolution model accurately depicted the formation, length, and snow totals for this event.



Low-level convergence (red, negative) at 925mb lifts air to the divergence (blue, positive) at 850mb, leading to the snow squalls formed.