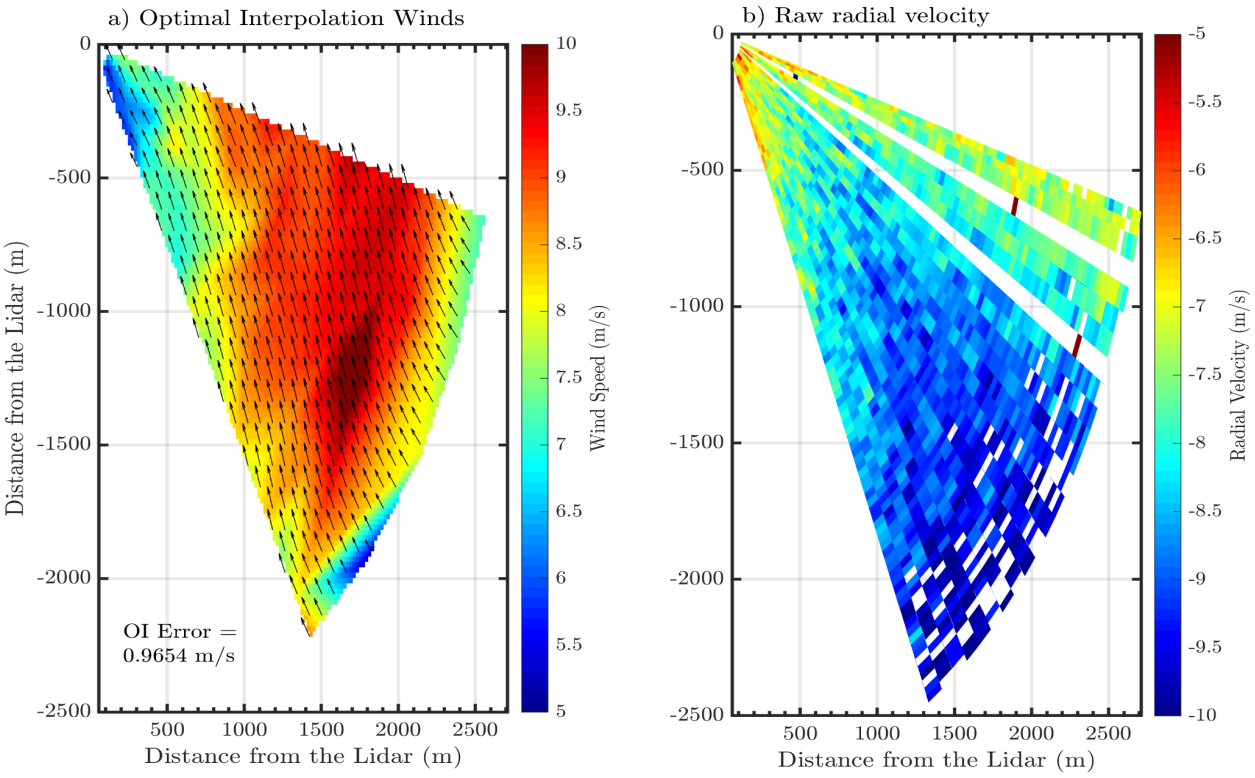

Figure 1: a) Optimal interpolation estimated wind speed from (b) raw filtered lidar radial velocity on May 15, 2024 at 0324 UTC.

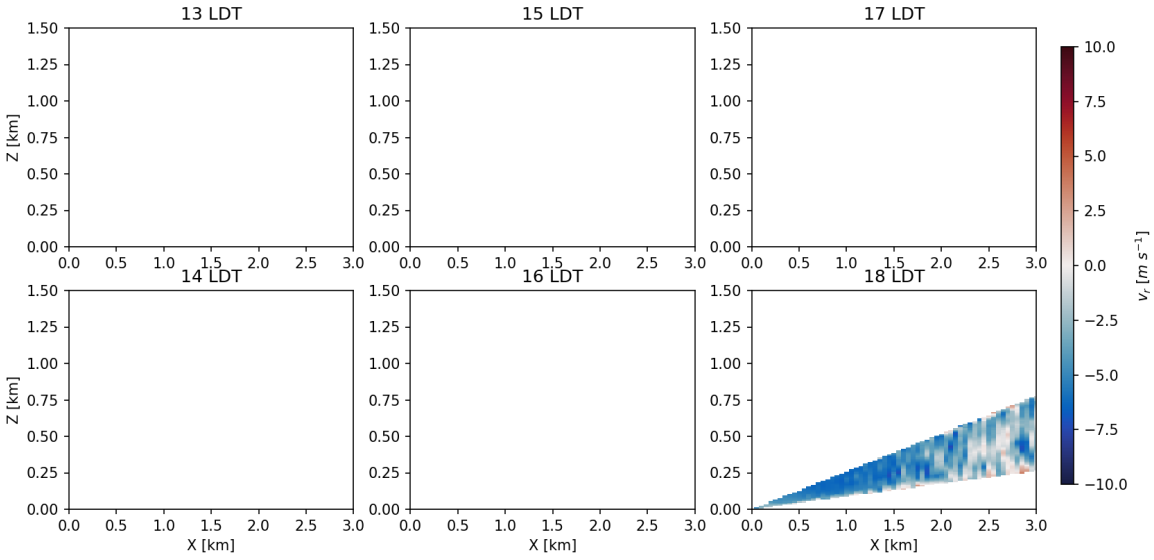

Figure 2. Interpolated v_r from the RHI scans during the flow reversal event on 29 July 2025 during LEAFF, only including RHIs with azimuth angles 265 degrees to 275 degrees.