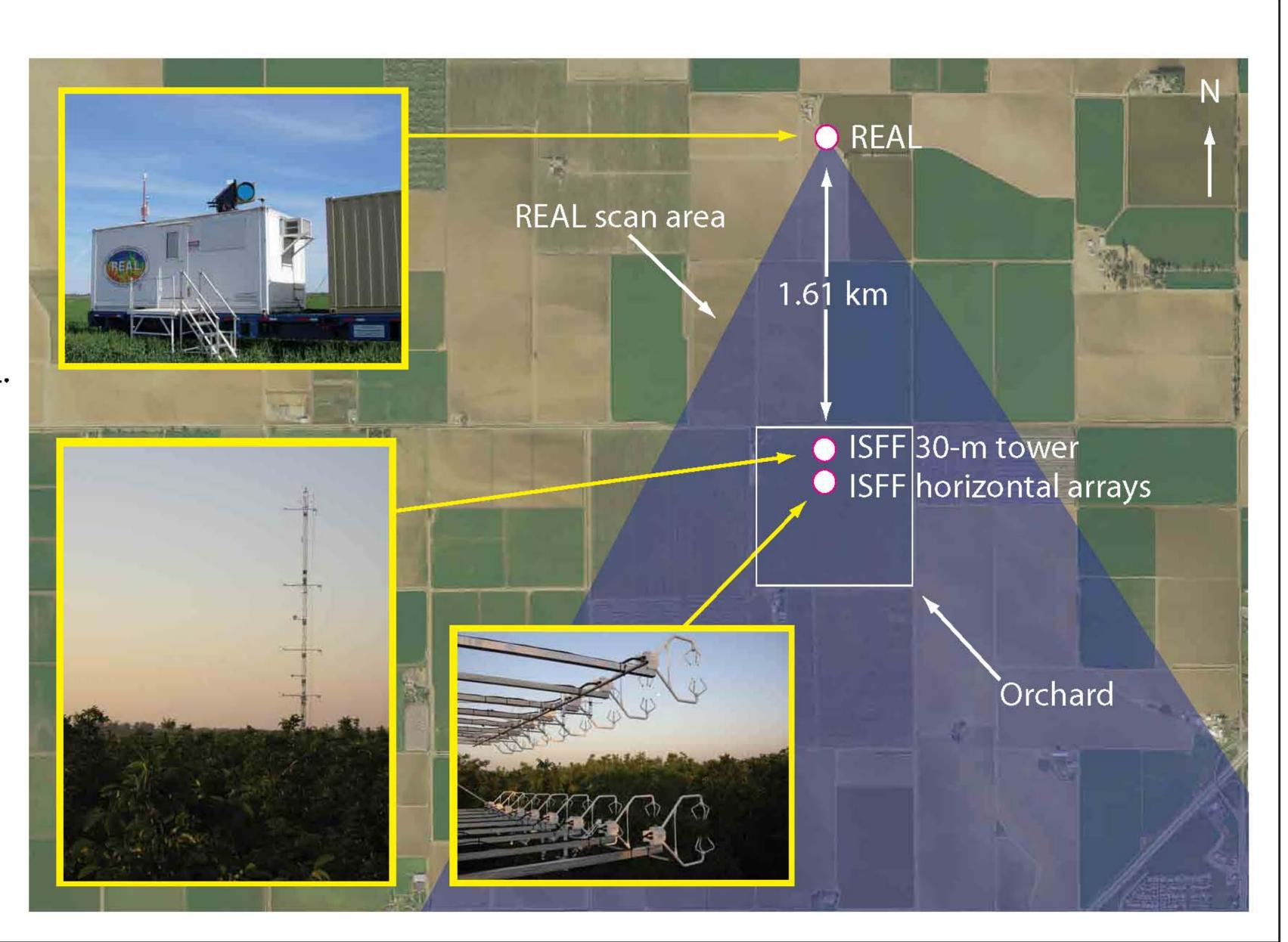
Horizontal Motion Vectors from Cross-Correlation

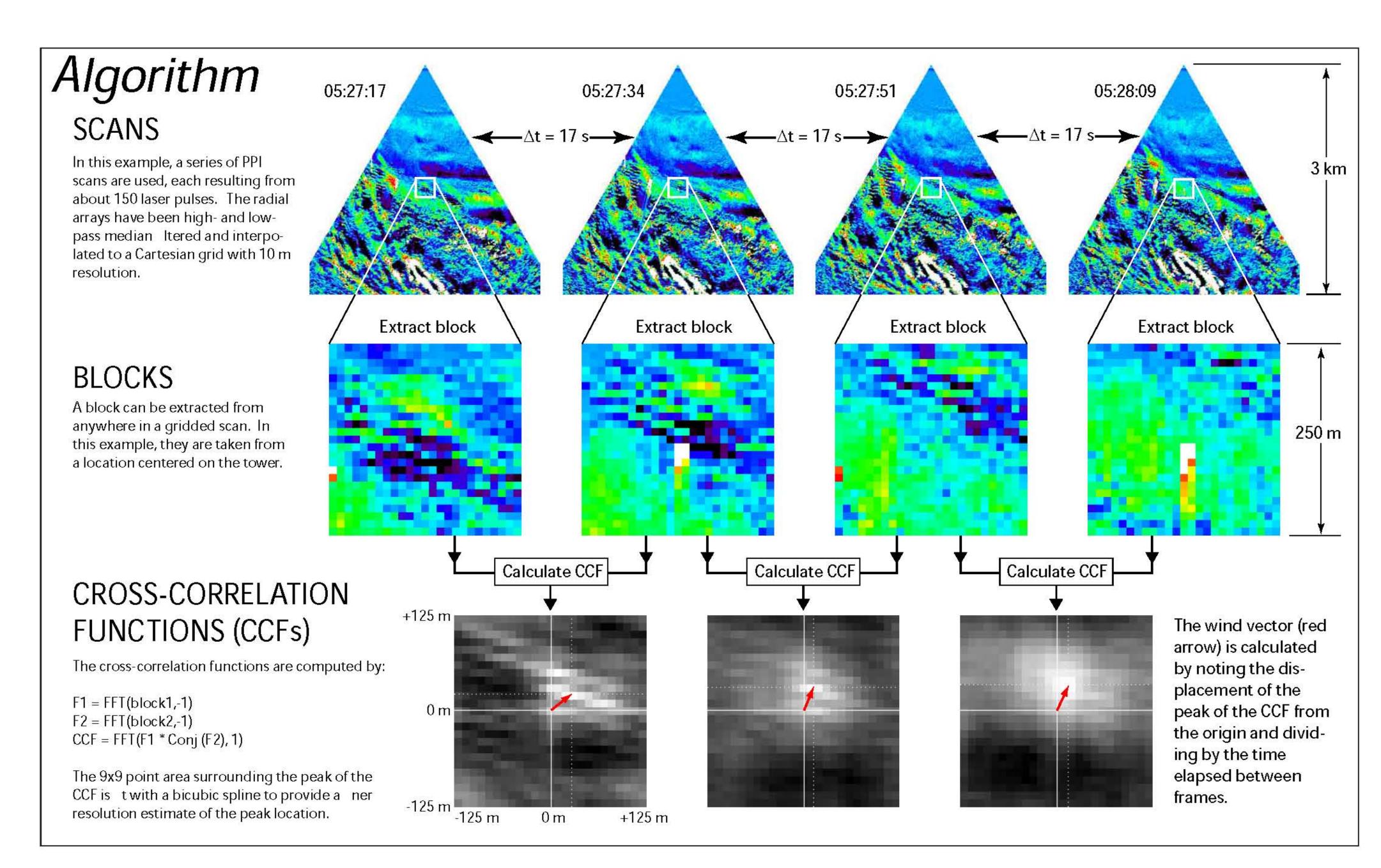
First Application to Eye-safe Aerosol Lidar Data from CHATS

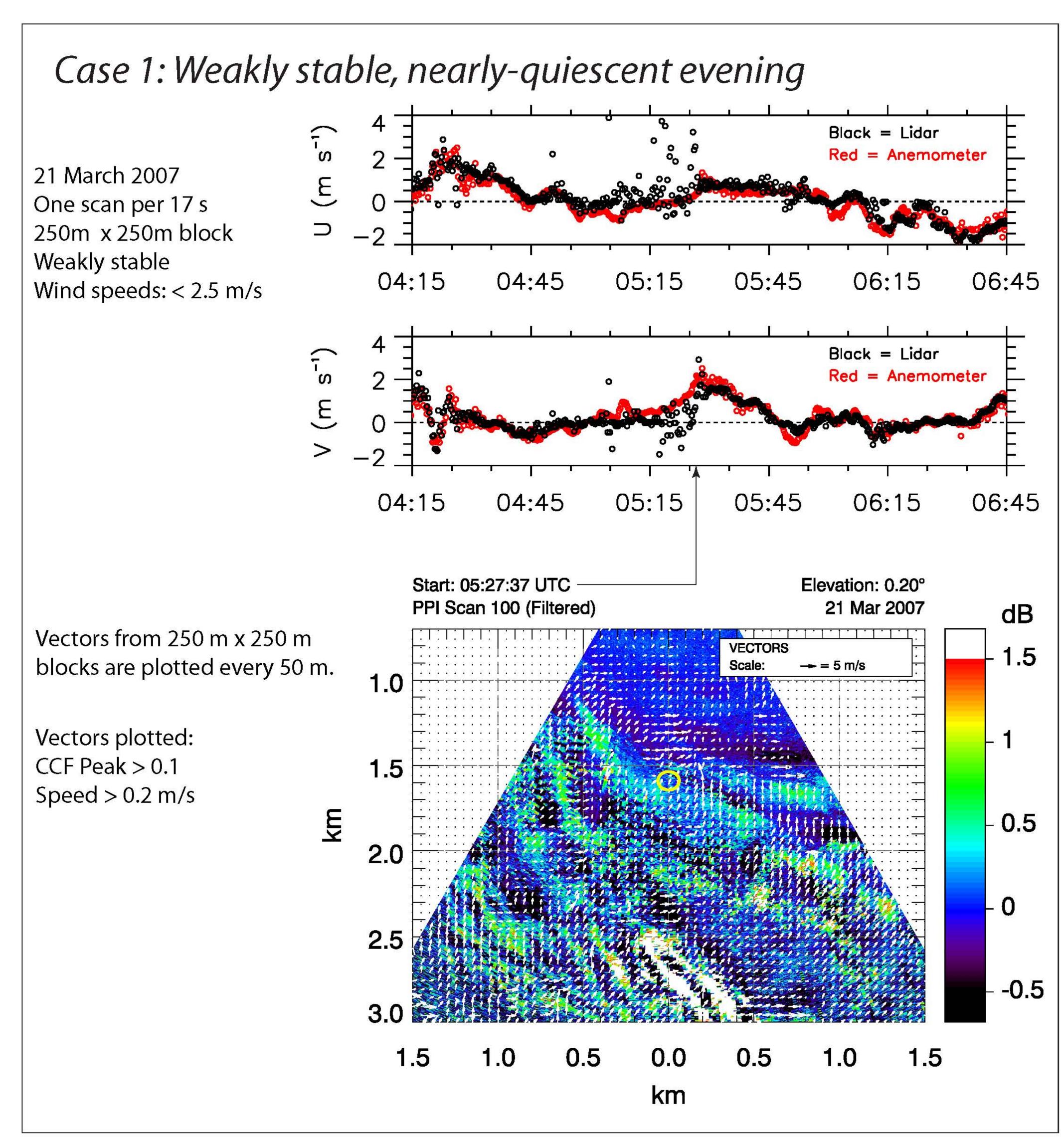
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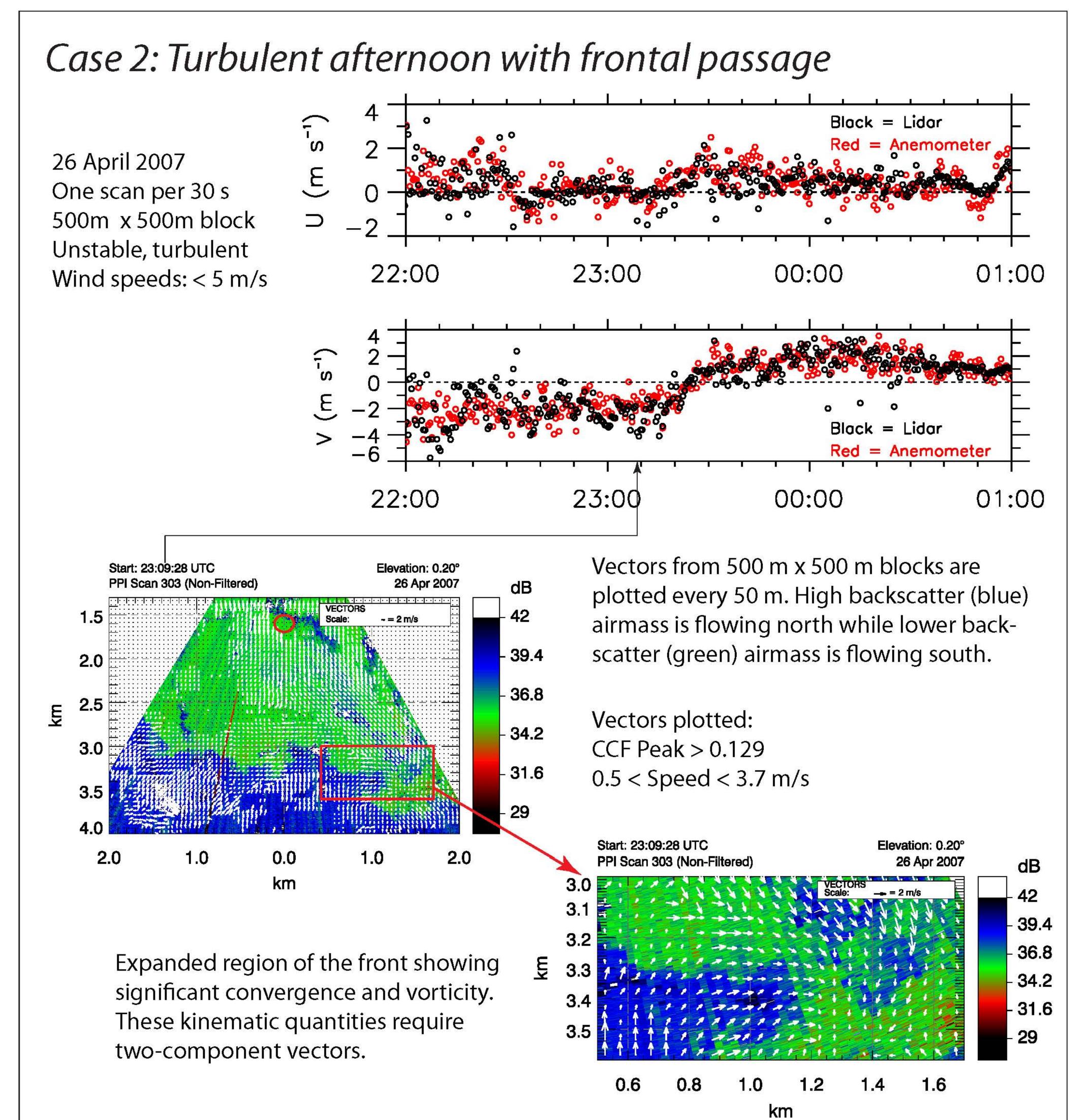
Experiment

The REAL was located 1.61 km north of a micrometeorological tower. PPI scans intersected the tower at 12 m AGL. A sonic anemometer at that level provides a reference wind measurement for comparison with the lidar derived velocities.









Conclusions

Turbulence (or the absence of it) has a significant impact on the comparisons. A more comprehensive evaluation of the measurements is forthcoming.

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