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## Comparison of winds retrieved by radar and by radiosondes

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Observations of winds by radar in SW-Iceland are compared with observations of winds by conventional radiosondes during 4 winter months in 2015. In general, the differences in wind speed are typically less than 3 m/s and they are quite independent of wind speed. At low levels (700-1500m), there is very little bias, while at 3000 m, the radiosondes give wind speeds that are on the average about 3-4 m/s stronger than the radar winds.

Investigation of individual cases show that the largest differences occur when there are strong spatial gradients in the wind speed, such as in fronts and in strong convection.