1) a simple ellipse-shape footprint

2) a stability corrected footprint

are shown in this figure for 16 cases
correlation results shows that a b
obtained with the simple footpri

Simple ellipse footprint	y=1.1016x-2.126
Stability corrected footprint	y=0.9681x-1.762
Simple ellipse footprint *	y=1.0634x-2.276

The simple footprint* is calculated f
satellite SAR wind speed maps v
direction input (☠) to the SAR a
in-situ wind direction observatio
wind direction from the satellite
This gives the best correlation ar
error of only ✂ 0.61 m/s. Comp
data and SAR-derived wind dire
results as shown in the figure be