**Forecast uncertainty of land-falling tropical cyclones**

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KMA utilizes the probability circle of forecast errors to show the tropical cyclone (TC) forecast track uncertainty. Current radii of the circles are based on the errors recorded in 2001-2004. Radii of 96 and 120 hour forecasts have been determined by the extrapolation of 48 and 72 hour forecasts. 150, 250, 400, 550 and 700 km are the circles for 24, 48, 72, 96 and 120 hour forecasts, respectively. As 96 and 120 hour forecast records have been stored for the past 4 years (2010-2013), we examine the probability circle radii with the most recent statistics. The result shows overall improvement of forecast accuracy as 134, 213, 303, 450 and 584 km appear to be the new radii for each 24, 48, 72, 96 and 120 hour forecasts. In this study, we further investigate the forecast track accuracy by time and region, and focus on the accuracy of land-falling TCs. Review of geographical and climate factors involved into land-falling environment are followed. This study is expected to help operational forecast agencies improve the demonstration of TC forecast track uncertainty with more systematic approach.