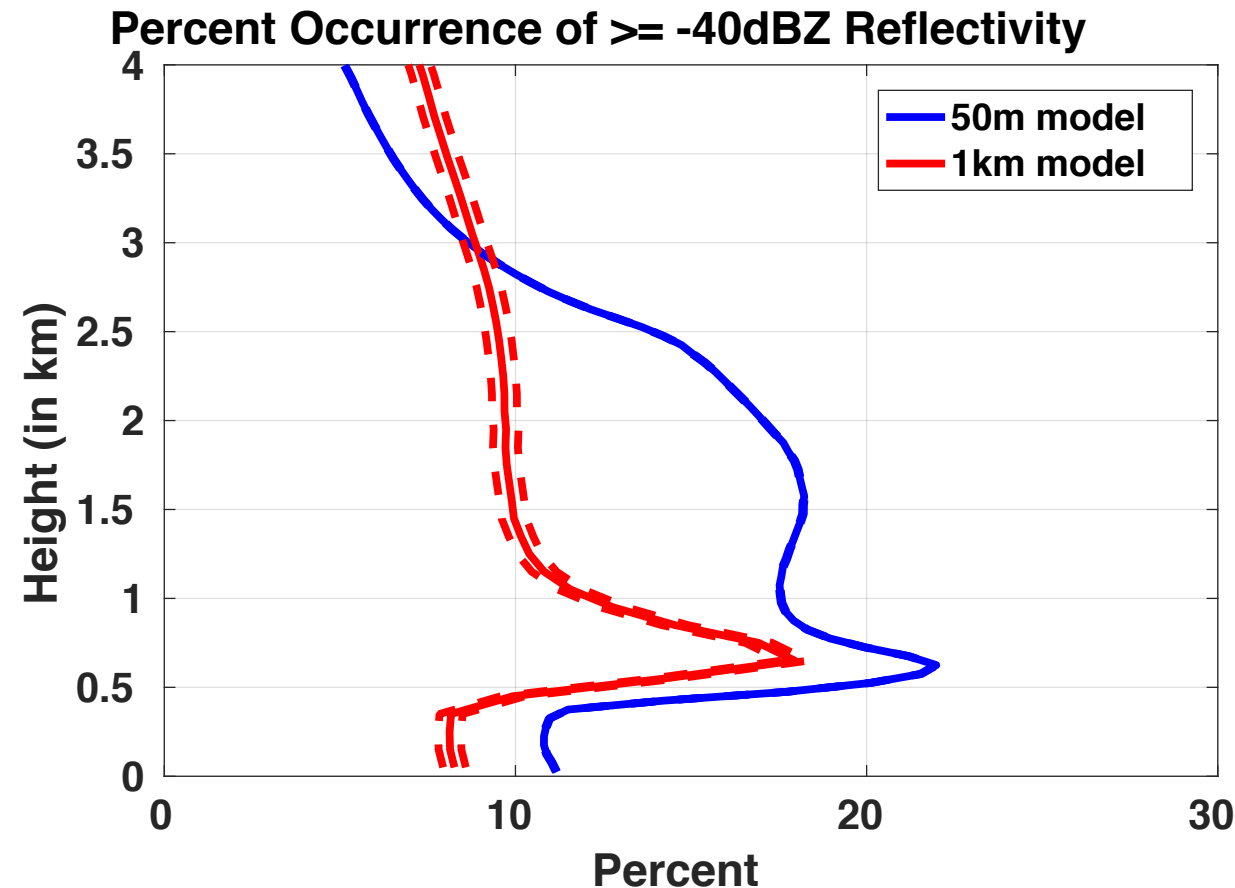


# Model mean profile and confidence interval



Turns out confidence is very high when your samples have 1,024 and 102,400 points.

Model Runs: 2011 Nov 4 (00UTC) - 2011 Nov 7 (00UTC)

dx, dy	vert levels	timestep	model points x*y	model grid (km)
100m	109	2s	320x320	32kmx32km
500m	109	2s	64x64	32kmx32km
1km	67	2s	32x32	32kmx32km
2km	67	2s	32x32	64kmx64km

# Reflectivity comparison issues noted by Adam Varble:

1. My model values (based on Luo and Blossey papers) need to be based on Morrison double moment assumptions. Adam's sent me code for Rayleigh reflectivity estimation (in idl so I'll have to convert it).
2. ARSCL is Ka band which experiences Mie scattering for rain, graupel, and snow sizes. Gan has a combined retrieval (CombRet) product that incorporates Ka-band and S-band radar that should correct for this.