

Oct 13-14 case

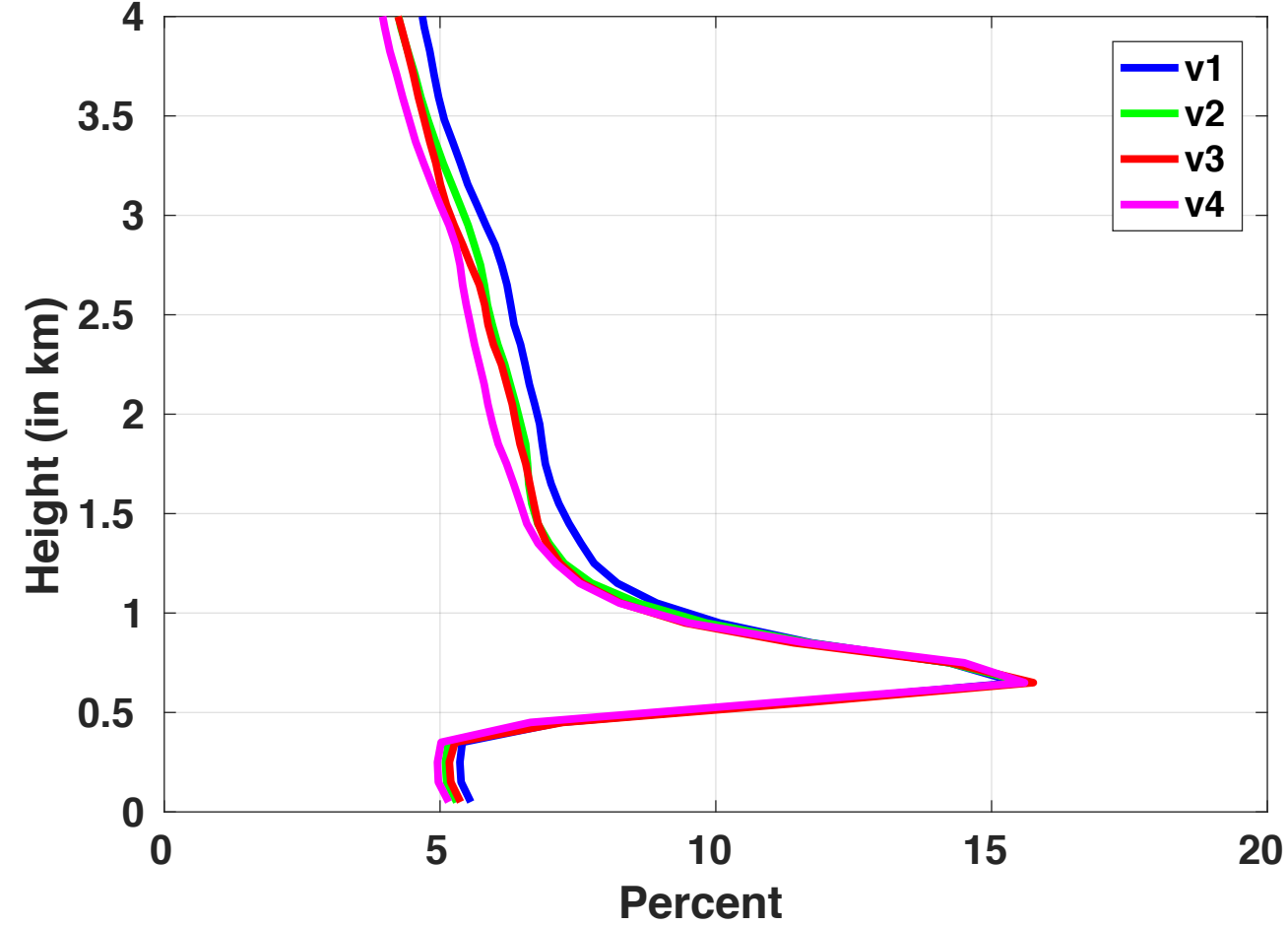
dx,dy	vert levels	timestep	model x*y	model grid (km)
50m	109	1s	320x320	16kmx16km
100m	109	2s	320x320	32kmx32km
500m	109	2s	32x32	16kmx16km
1km (4 of these)	67	2s	32x32	16kmx16km
1km	67	4s	32x32	32kmx32km
2km	67	2s	32x32	64kmx64km

new
runs

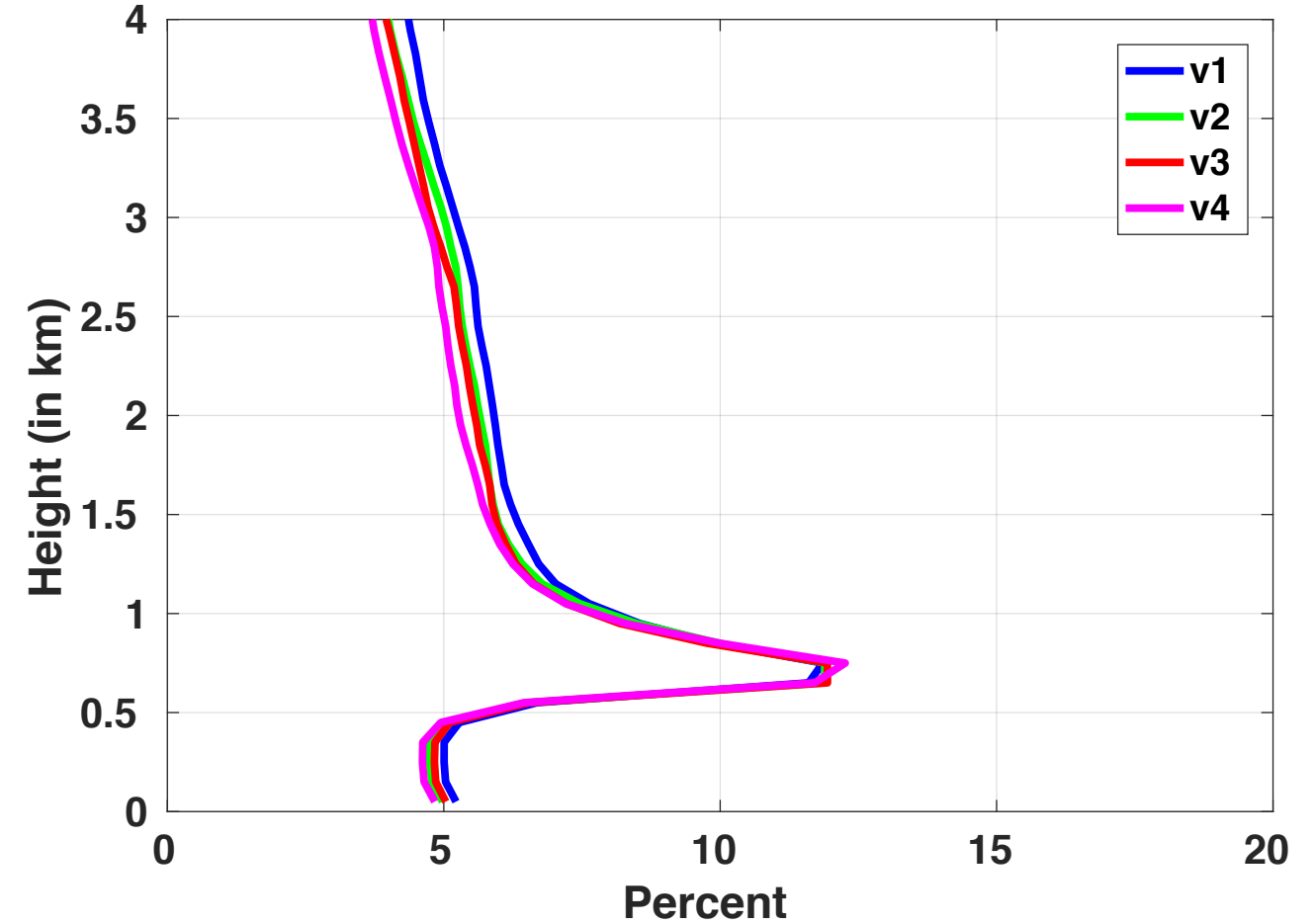


Changing initial condition random perturbation

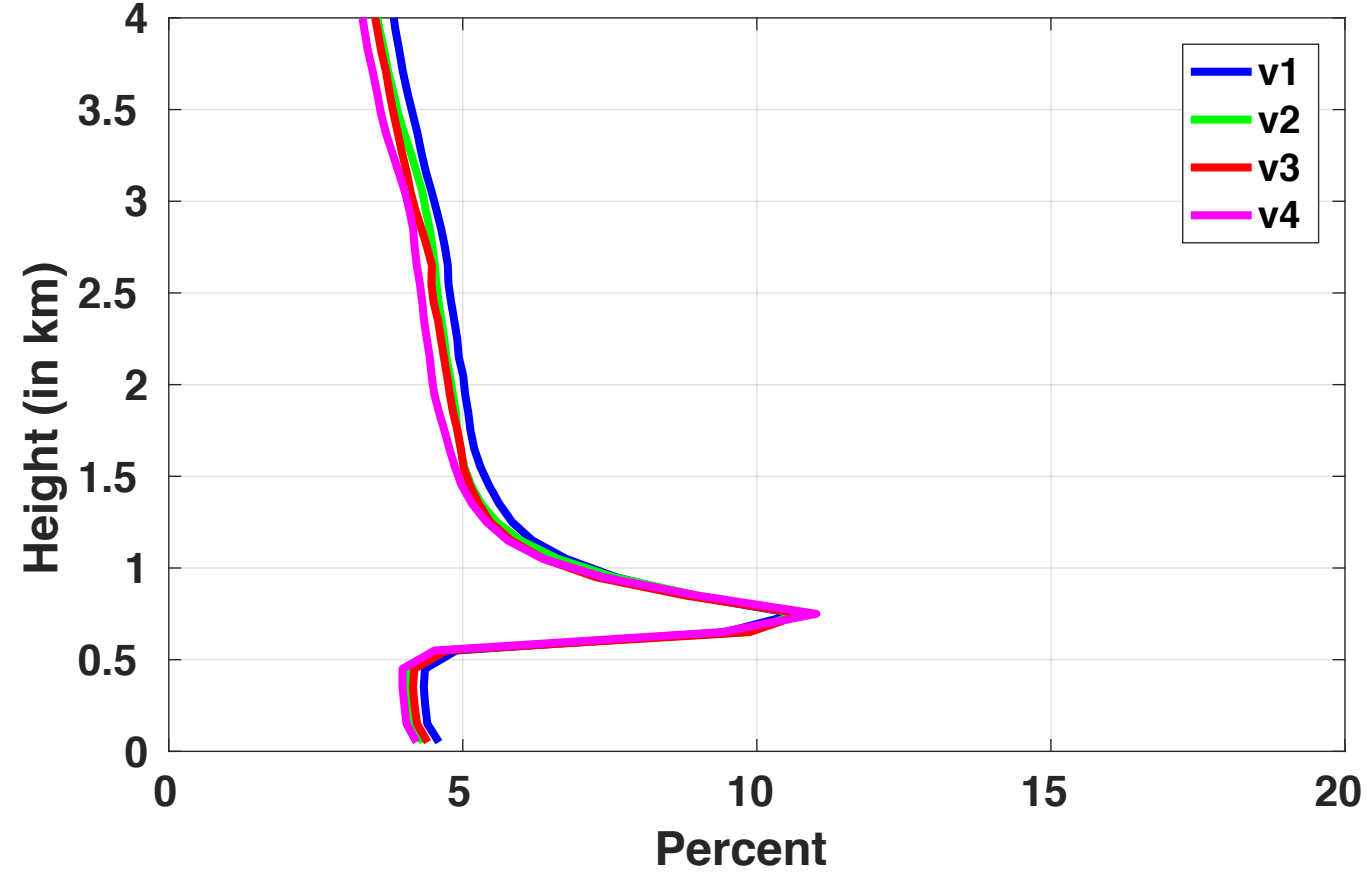
1km Run Percent Occurrence of $\geq -40\text{dBZ}$ Ref.



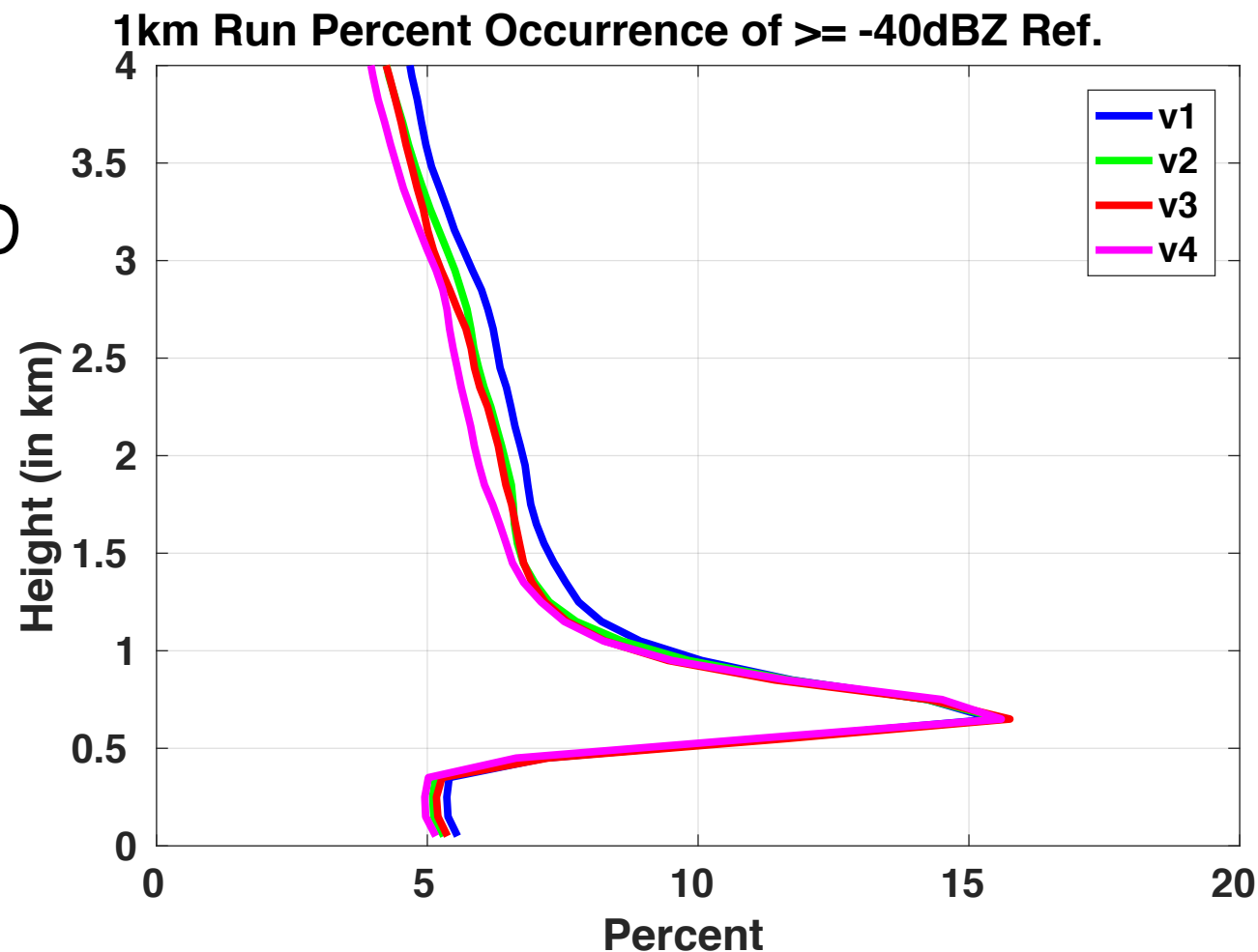
1km Run Percent Occurrence of $\geq -30\text{dBZ}$ Ref.



1km Run Percent Occurrence of $\geq -20\text{dBZ}$ Ref.



2s timestep



The timestep is a much bigger influence than the random perturbations are.

Original
4s
timestep

