Side by side comparison of PLUMECALC complex grid subgridding figures. The PLUMECALC V2.3.2 figures are on the left and PLUMECALC V2.3.3 figures are on the right. With the exception of the case run with both dispersion and diffusion, as expected, there are no visually discernable differences.

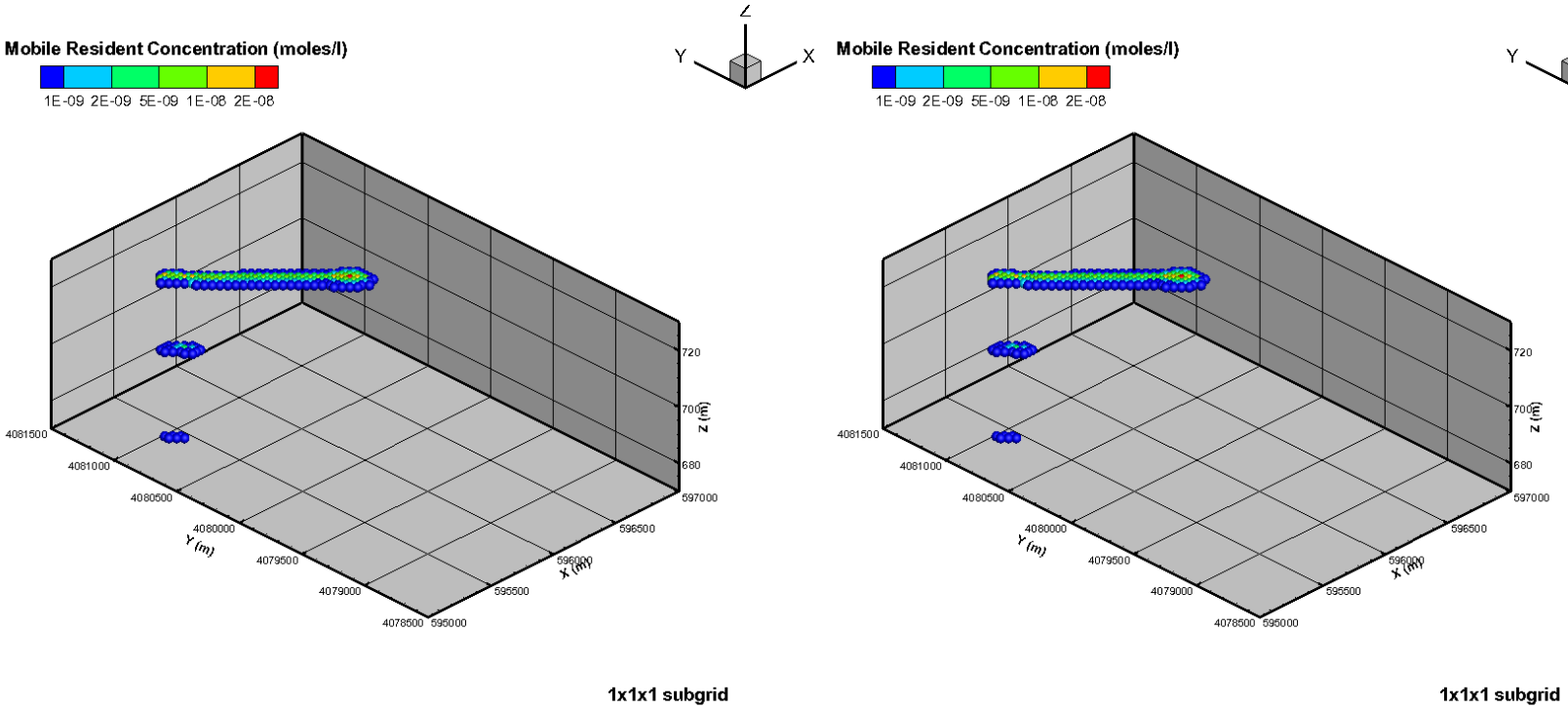

Figure 1. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 1x1x1 refinement. The figure on the left is Figure 32 of the PLUMECALC Users Manual (PLUMECALC V2.3.2) and the figure on the right is the updated version from PLUMECALC V2.3.3.

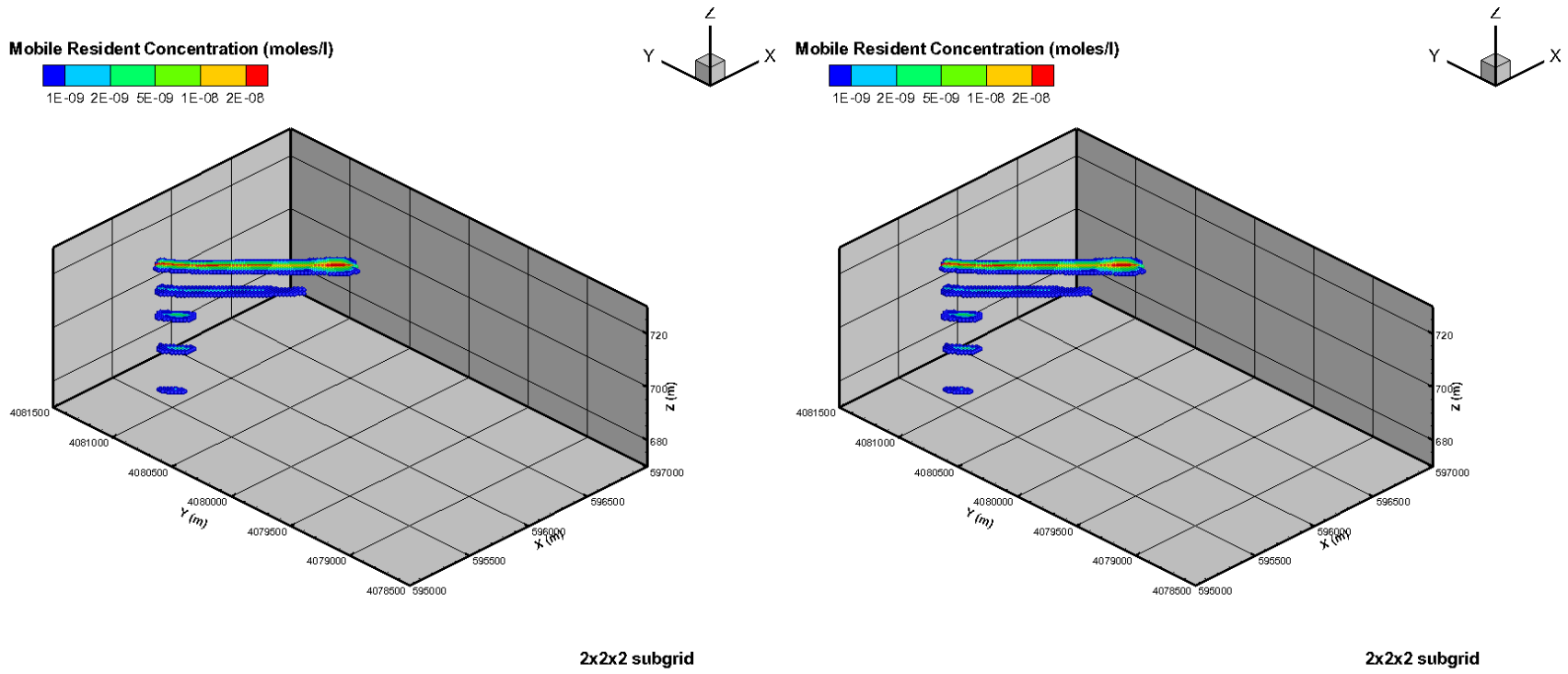

Figure 2. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 2x2x2 refinement. Figure 33 of the PLUMECALC Users Manual.

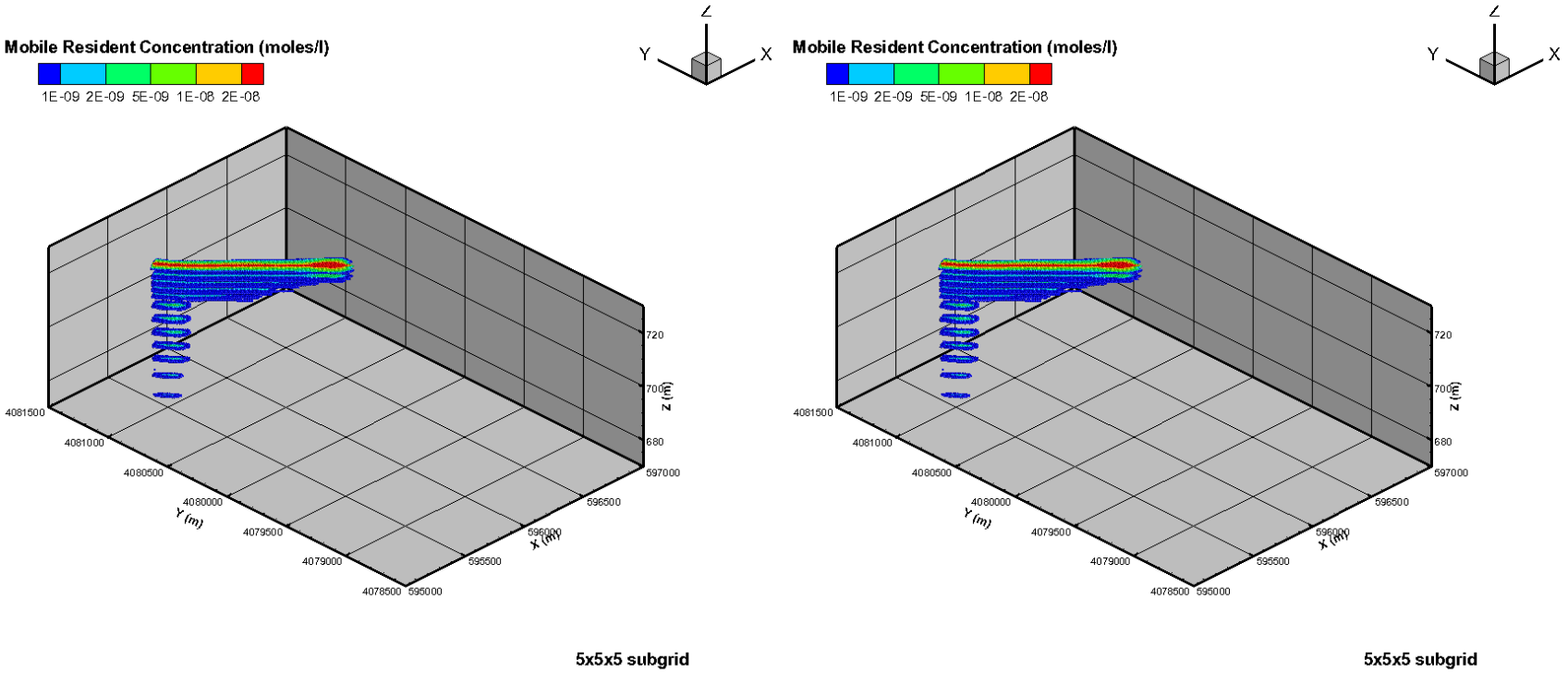

Figure 3. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement. Figure 34 of the PLUMECALC Users Manual.

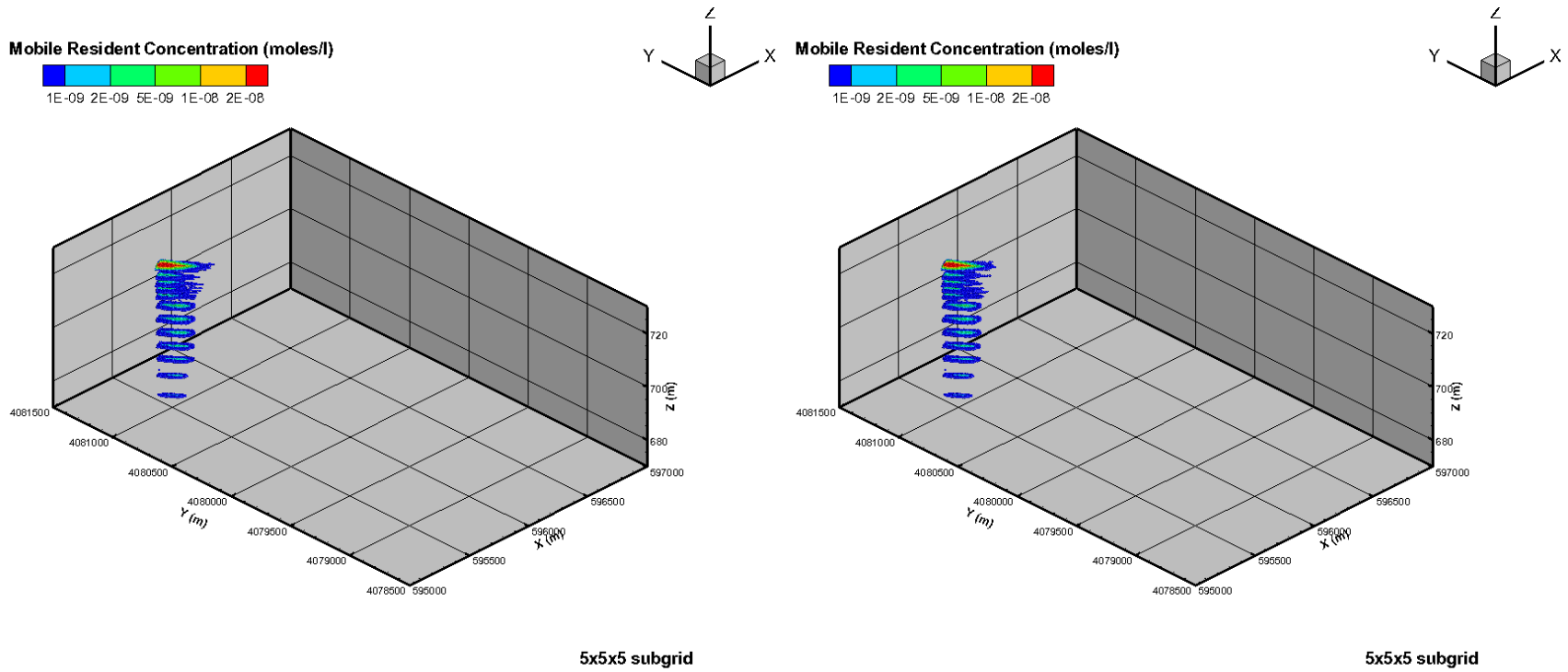

Figure 4. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement with diffusion. Figure 35 of the PLUMECALC Users Manual.

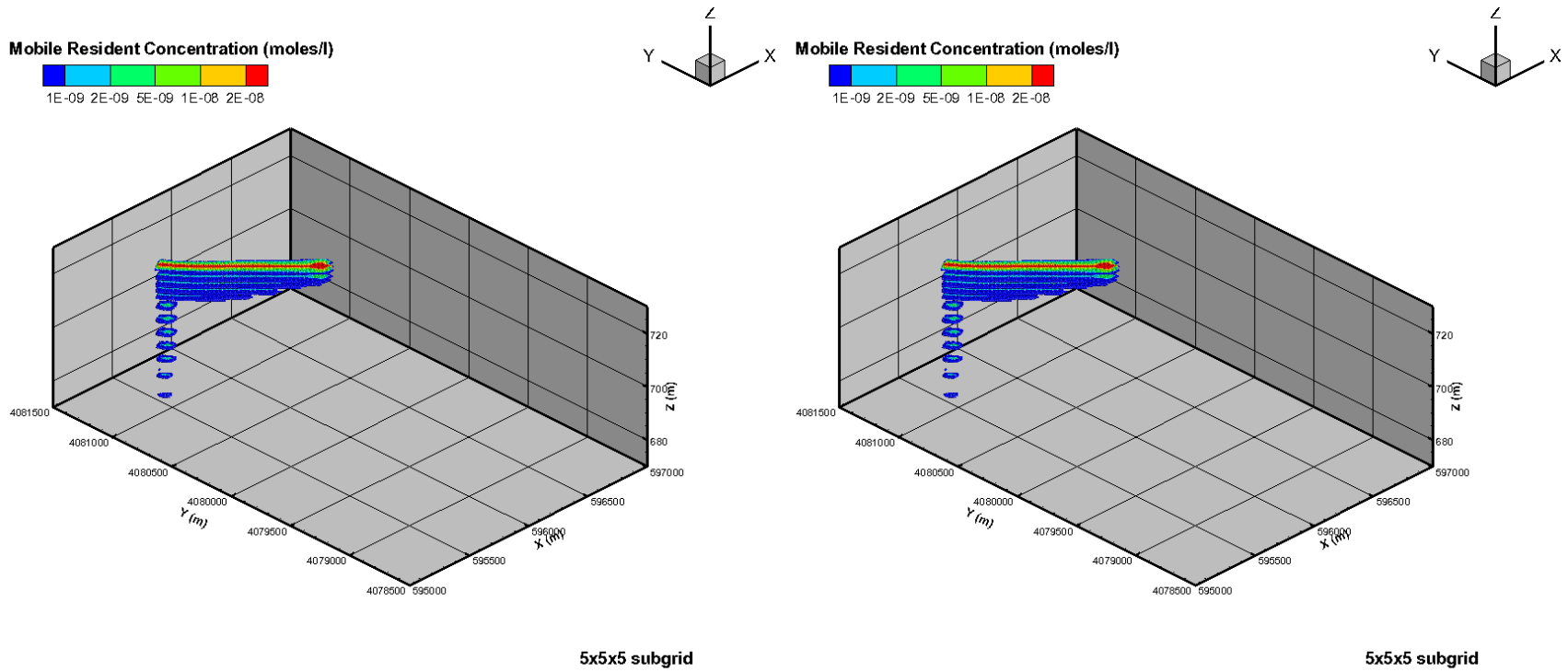

Figure 5. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement with retardation. Figure 36 of the PLUMECALC Users Manual.

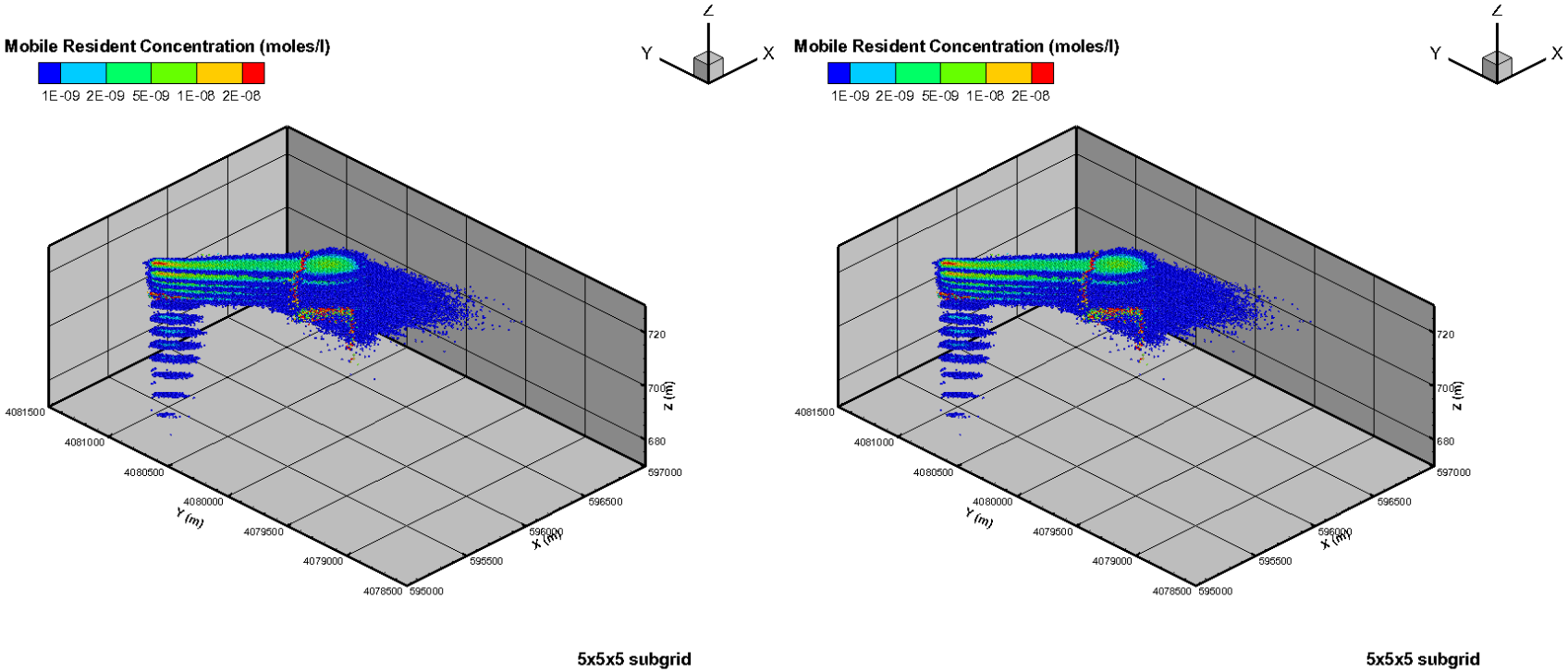

Figure 6. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement with dispersion. Figure 37 of the PLUMECALC Users Manual.

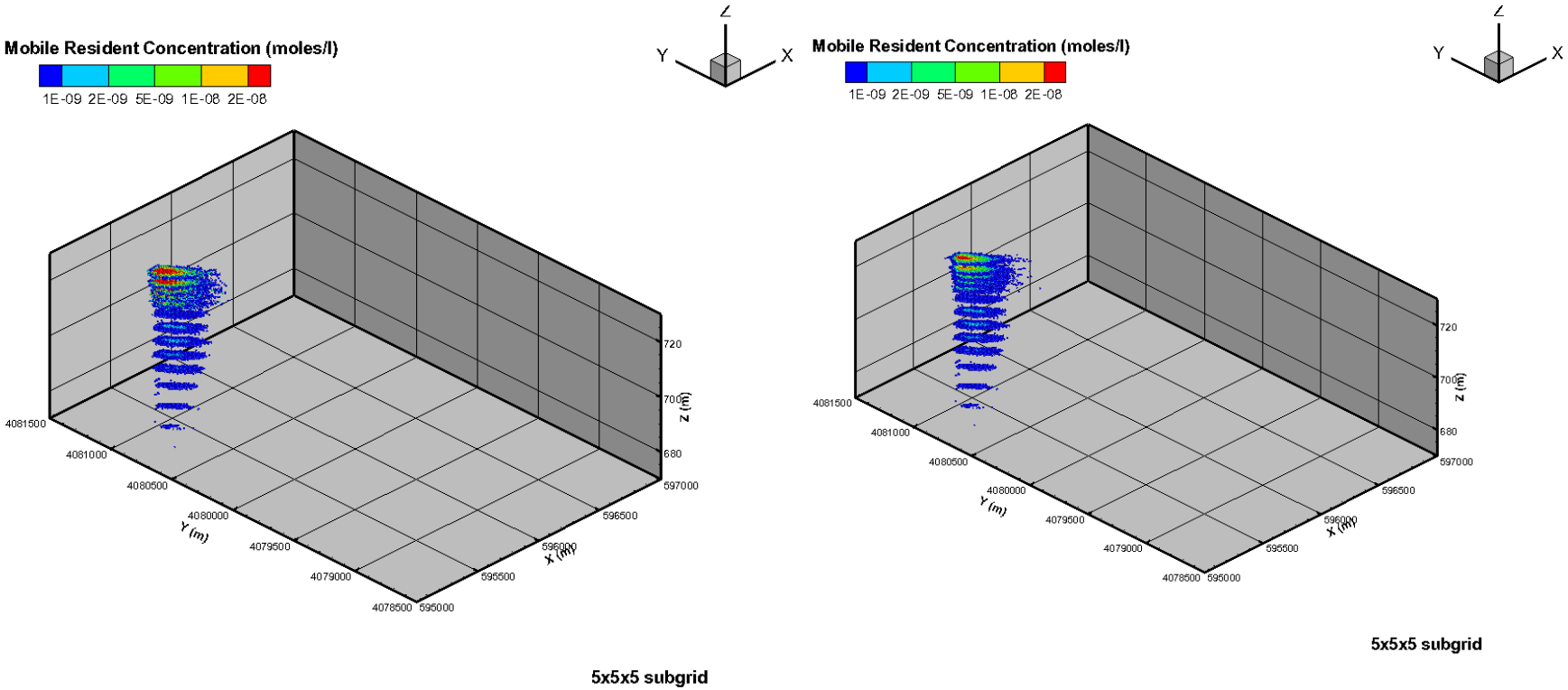

Figure 7. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement with dispersion and diffusion. Figure 38 of the PLUMECALC Users Manual. In the original you can see a slight increase in the spread of the plume and magnitude of concentration.

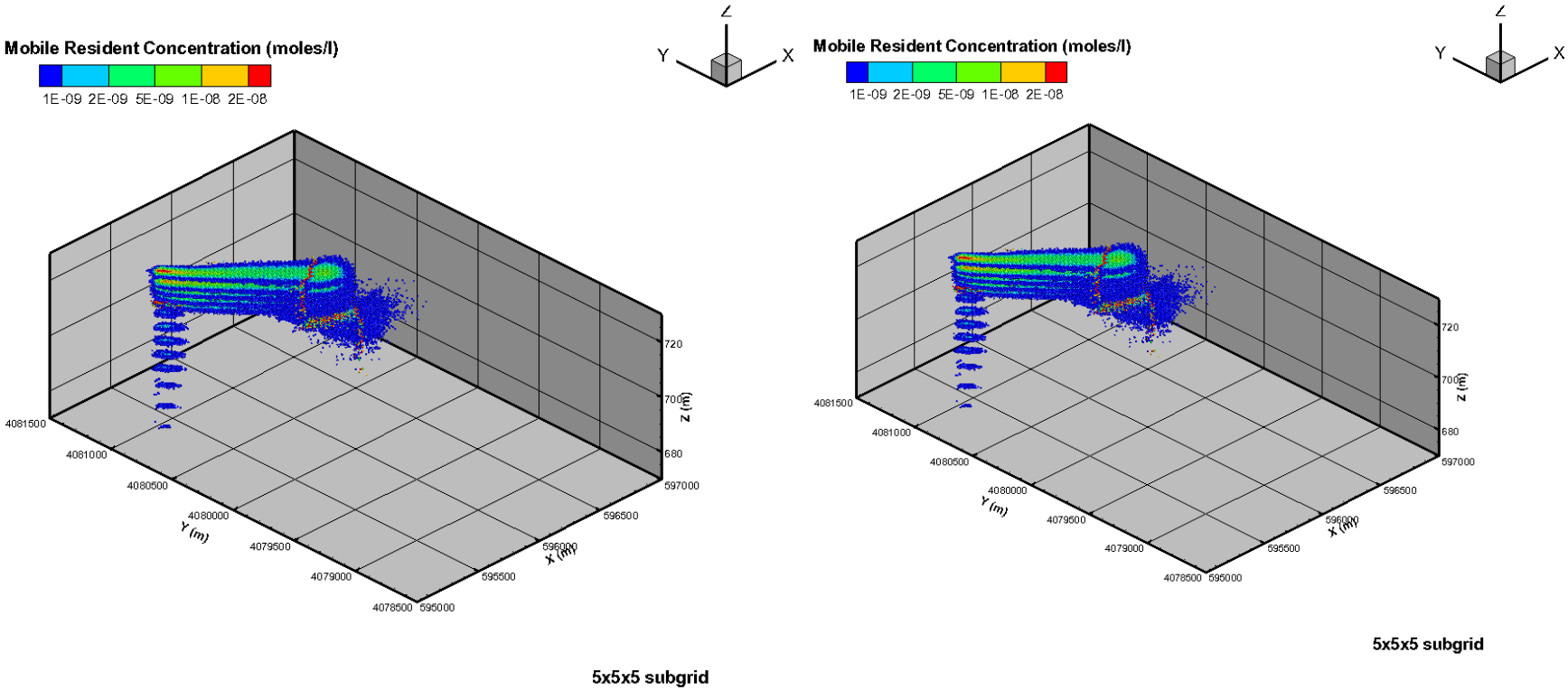

Figure 8. Complex grid mobile resident concentrations for the subgrid PLUMECALC run with 5x5x5 refinement with dispersion and retardation. Figure 39 of the PLUMECALC Users Manual.