Cluster 7 ($D_{\mathrm{naive,pca}} = 6, 1$), $t_{\mathrm{sim}} = 50$ Myr

$x = 0.129 \pm 0.019$ kpc

$y = -0.197 \pm 0.017$ kpc

$z = 0.058 \pm 0.015$ kpc

$v_x = 38.286 \pm 9.625$ km/s

$v_y = 20.374 \pm 15.018$ km/s

$v_z = -41.185 \pm 5.387$ km/s