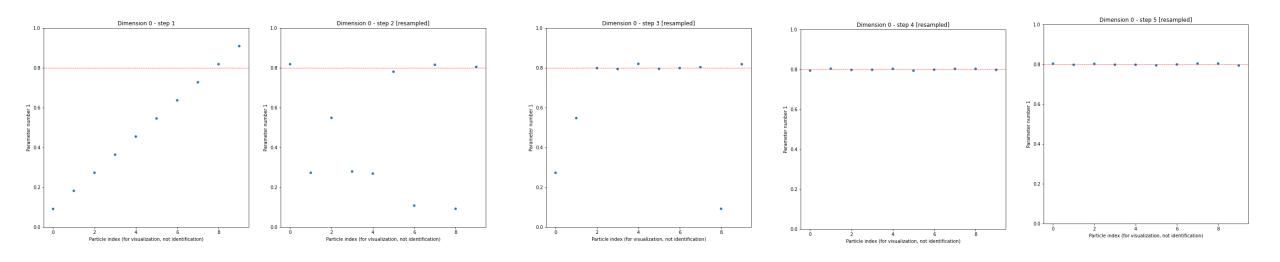
1 parameter, 1 mode (n_particles=10; N_measurements=20):

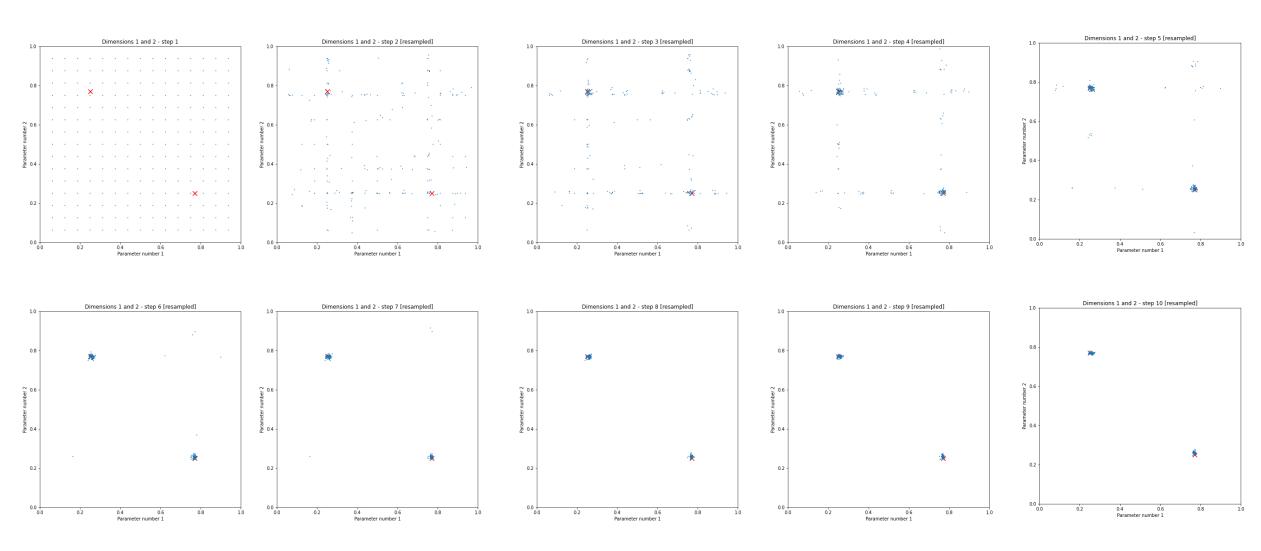


Offline estimation, random times <= 100

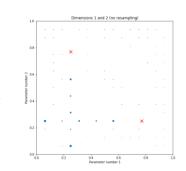
5 steps only, but full data evaluation and resampling step at each iteration (vs. as before single datum/datachunk added per step, isolated evaluation(s) for re-weighting + cumulative only if/when resampling)

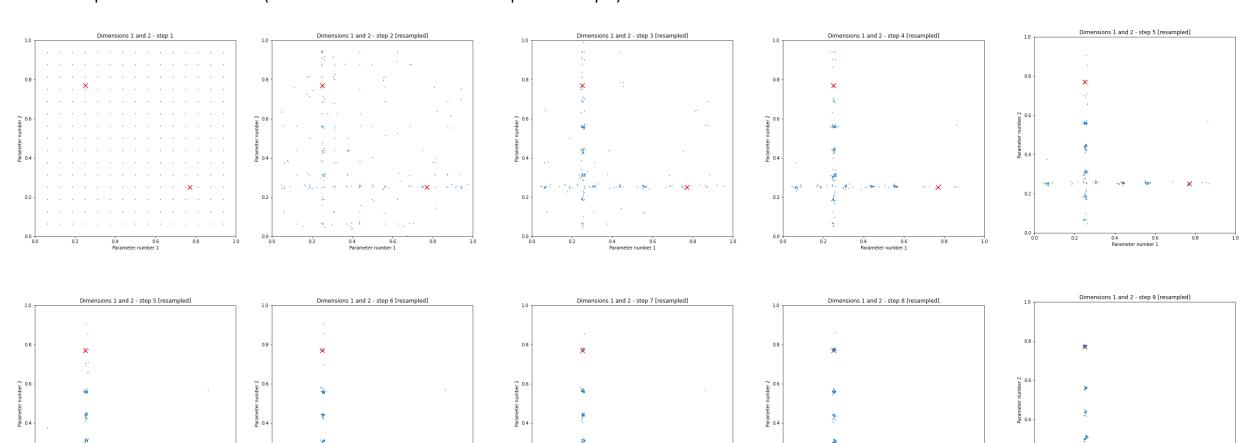
Tempering coefficients chosen offline, spaced evenly (enough to keep ESS reasonable while not requiring extra updates, though ideally chosen adaptively to stay close to target)

2 parameters, 2 modes (n_particles=15^2; N_measurements=100; 10 linearly spaced coefficients):

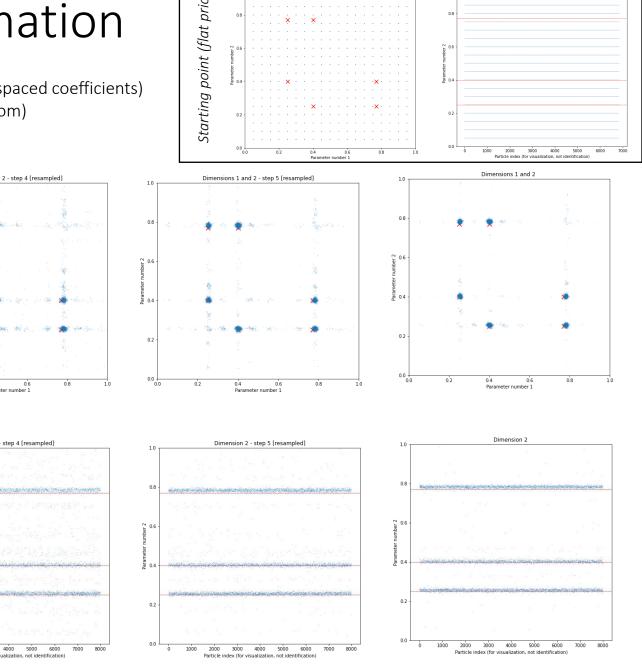


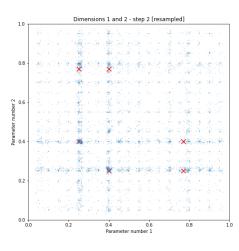
Same, but data is worse – as can be seen by no resampling, fixed lattice case The initial grid not 'catching' correct modes results in early particle displacement, with near depletion at modes (recovered from in subsequent steps)



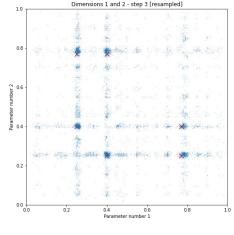


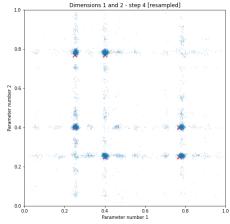
3 parameters, 6 modes (n_particles=20^3; N_measurements=200; 5 linearly spaced coefficients) Dimensions 1 and 2 plotted together (left/top), dimension 3 alone (right/bottom)

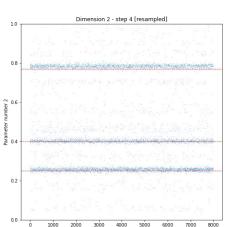




2000 3000 4000 5000 6000







4 parameters, 24 modes (n_particles=12^4; N_measurements=250):

