Sample Assessment

•Investigate how the problem scales with size:

•If the number of bodies increases does the speedup increase or decrease? How does the code scale for a problem 2 times larger?

•What about with the number of time steps, Ntimes.

•You can also insert OpenACC pragmas controlling the vector and size on the parallel loops, can you improve performance of the code N-body-OpenACC4.cpp by manually tuning the parameters?