I believe that super computers run using batch systems because it is very lightweight and organized. I had time to use the HPC system that we have at UND and it also runs using batch. In the time that I was using batch I was able to see they would want things run through batch. First off batch has been around for a long time, so the conventions for it are very well understood. Learning it is mostly pretty easy and from my experience is very readable as well. Batch is great for being able to submit jobs of different lengths, on different nodes, all while staying organized by the time and person that sent the request. I don’t see why you would change away from this system just because the computer is a supercomputer, seeing as batch scales up incredibly well.