Resource Justification

We are requesting 20 m1.xlarge instances with 24 cpus, 60 GB Ram, and 60 GB disk space covering each attendee and instructor, and allowing for some backups. The internship/workshop duration will be 5-weeks long, but we are requesting the resources be open a little bit ahead of time (for configuring and making sure all is well) and for a couple of weeks afterwards in case attendees still need them during manuscript preparation.

The total request is for 483,840 service units, based on 24 cores * 24/hrs/day * 20 instances * 42 days = 483,840 SUs. We do not anticipate having the resources running constantly, and will be teaching attendees how to navigate the Jetstream webpage to start, shelve, and delete instances. But we would like to request this amount of resources to allow for the possibility of attendees not reliably shelving their instances, and the additional week (6 instead of 5) is to help cover additional usage before and after the workshop. We are also requesting 100 GB of storage for each instance (20 * 100 = 2,000 GB).

The internship/workshop dates are formally from July 13th, 2020 to August 14th, 2020, but we request that the resources be available as soon as possible (for initial configuring and setup), through to August 28th (to allow for wrapping things up and utilization during manuscript preparation if needed).

Resources: IU/TACC (Jetstream)

Thank you for your consideration.