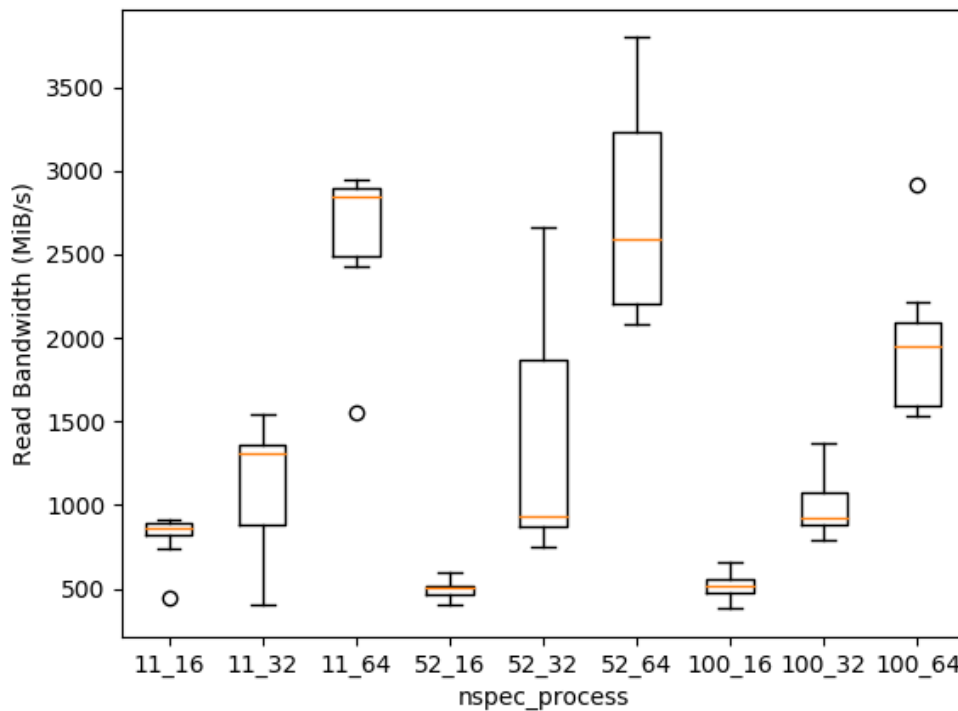


Assignment 3.1

MPI IO Hints tried:

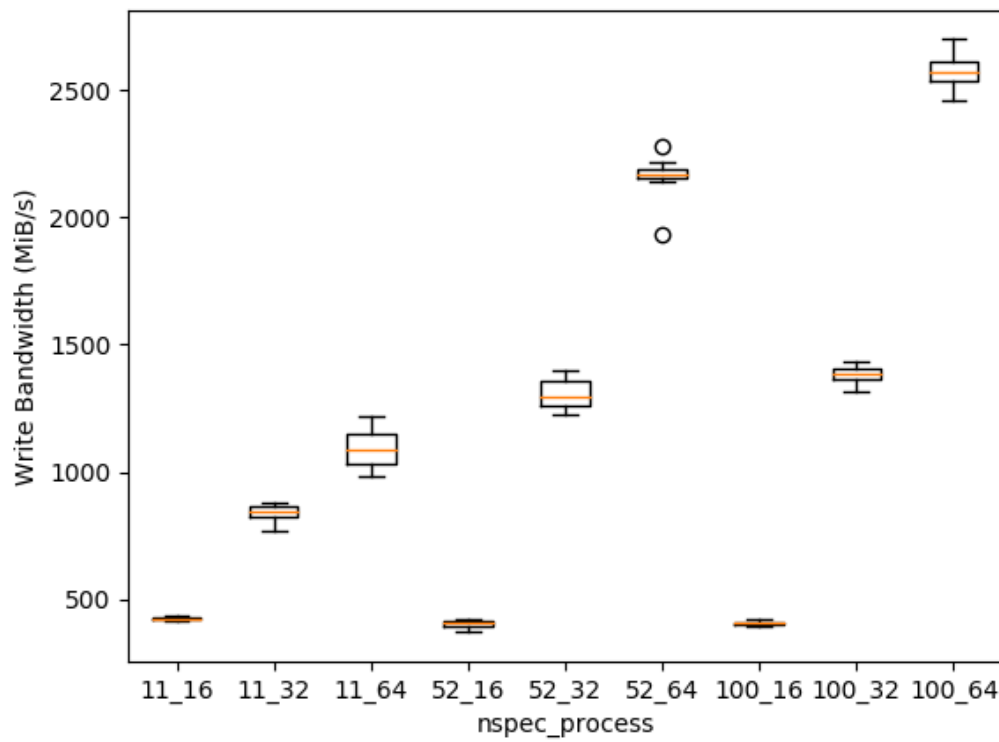
1. romio_ds_read = enable
romio_ds_write=enable
By enabling datasieving, performance improved
2. cb_buffer_size tried with different size get best for 26214400 .
3. cb_config_list = *:2 (also tried *:3)
define the 2 process per nodes for collective buffering
Performance increased
4. I also tried disabling romio_cb_read , romio_cb_write but get less bandwidth.

Plots:



Observations:

1. Bandwidth increases with increase in nodes for particular species count.
2. Read bandwidth is more than write bandwidth.



Observations:

1. Bandwidth increases with increase in nodes and number of species.