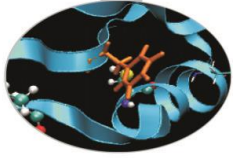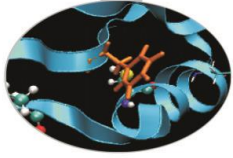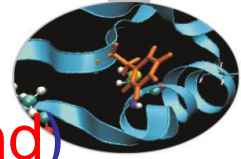# Outline

- MARCONI: Sanity checks launched during maintenance on August and September (linpack, stream, multi-node linpack)

- MARCONI100: Sanity checks on GPU (dgemm, stream, nvlink, p2p) during maintenance on August
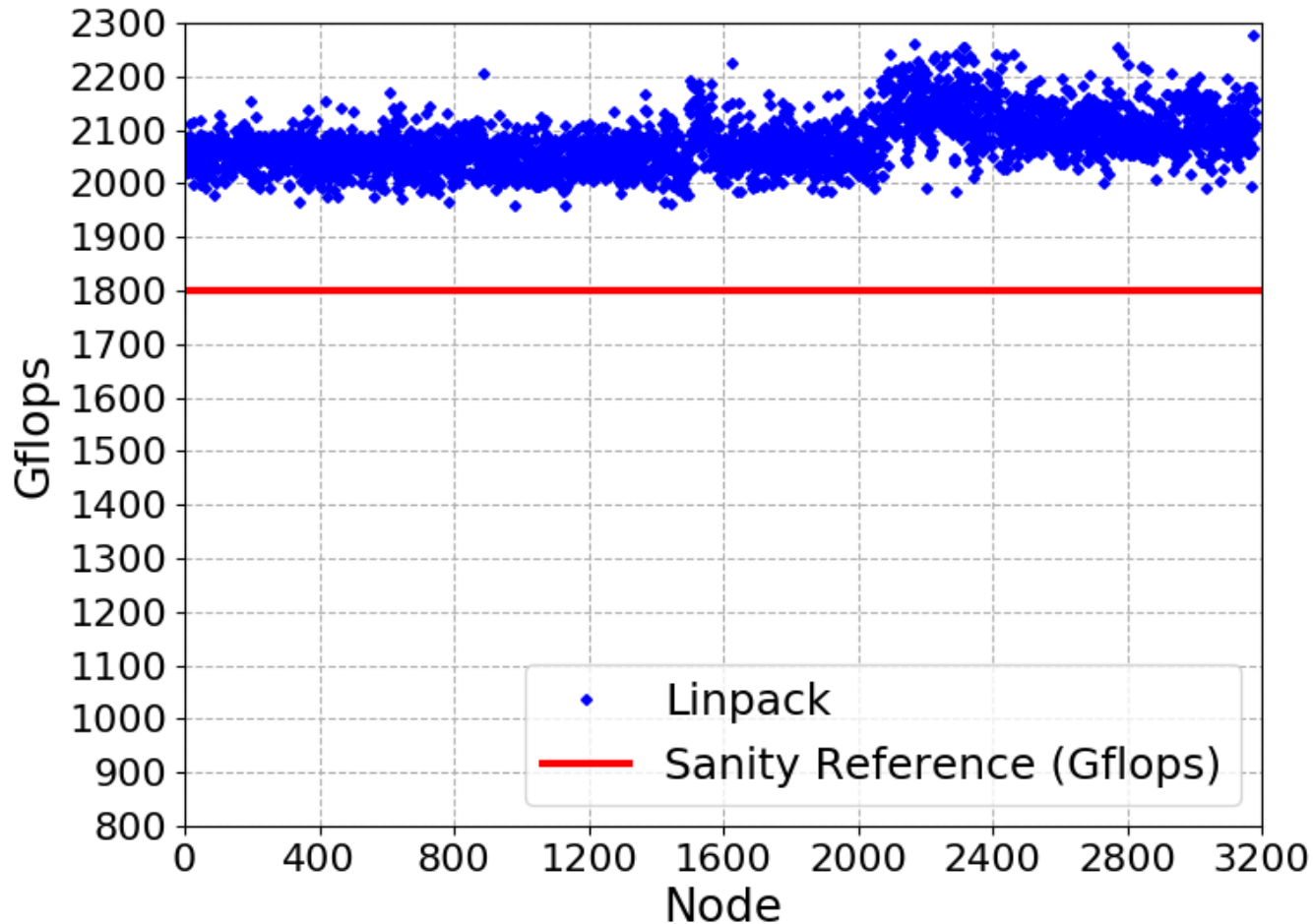
MARCONI – August 2021

- Tests were performed during maintenance on August 10th

- Tests: linpack and stream on each single node of SKL

- Switch-level Linpack tests were performed during maintenance

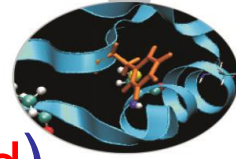- Slow nodes have been removed from production for investigation and fixes
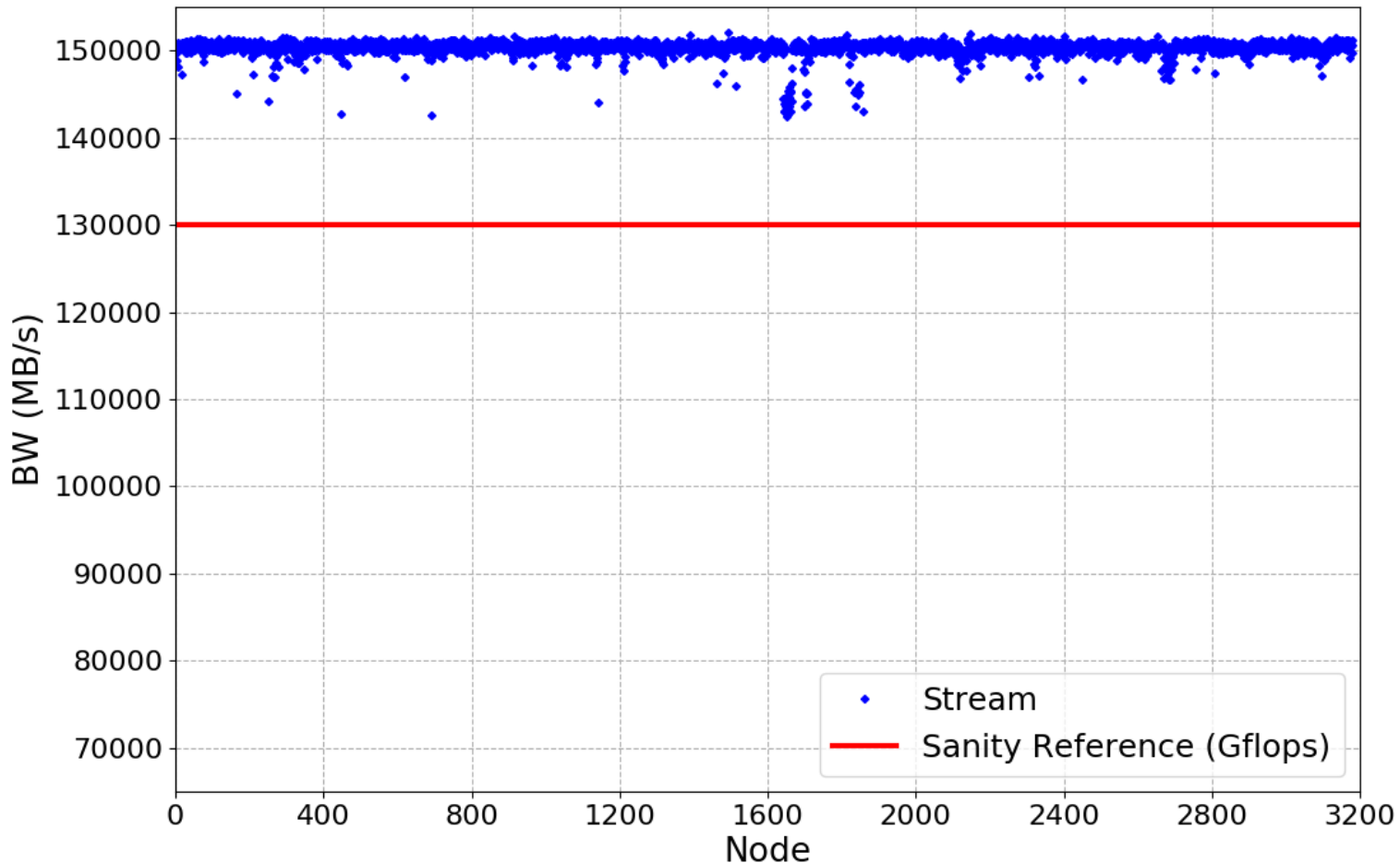
Linpack SKL

- Sanity threshold: 1800 Gflops (no slow nodes found)
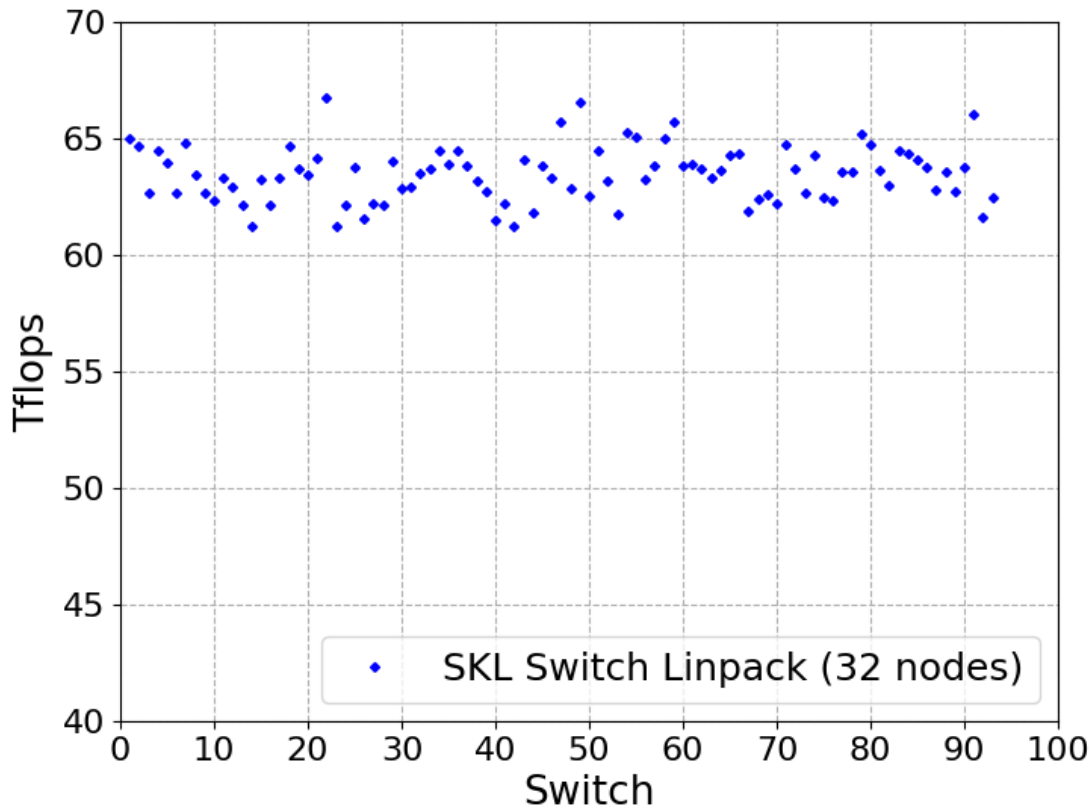
Stream SKL

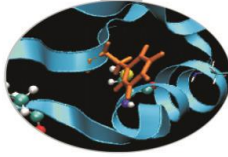- Sanity threshold: 130000 MB/s (no slow nodes found)

Switch-level Linpack SKL

- 93 switches tested
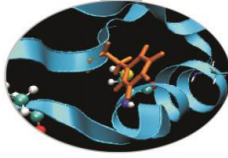- Overall stable performance, no switch with problems
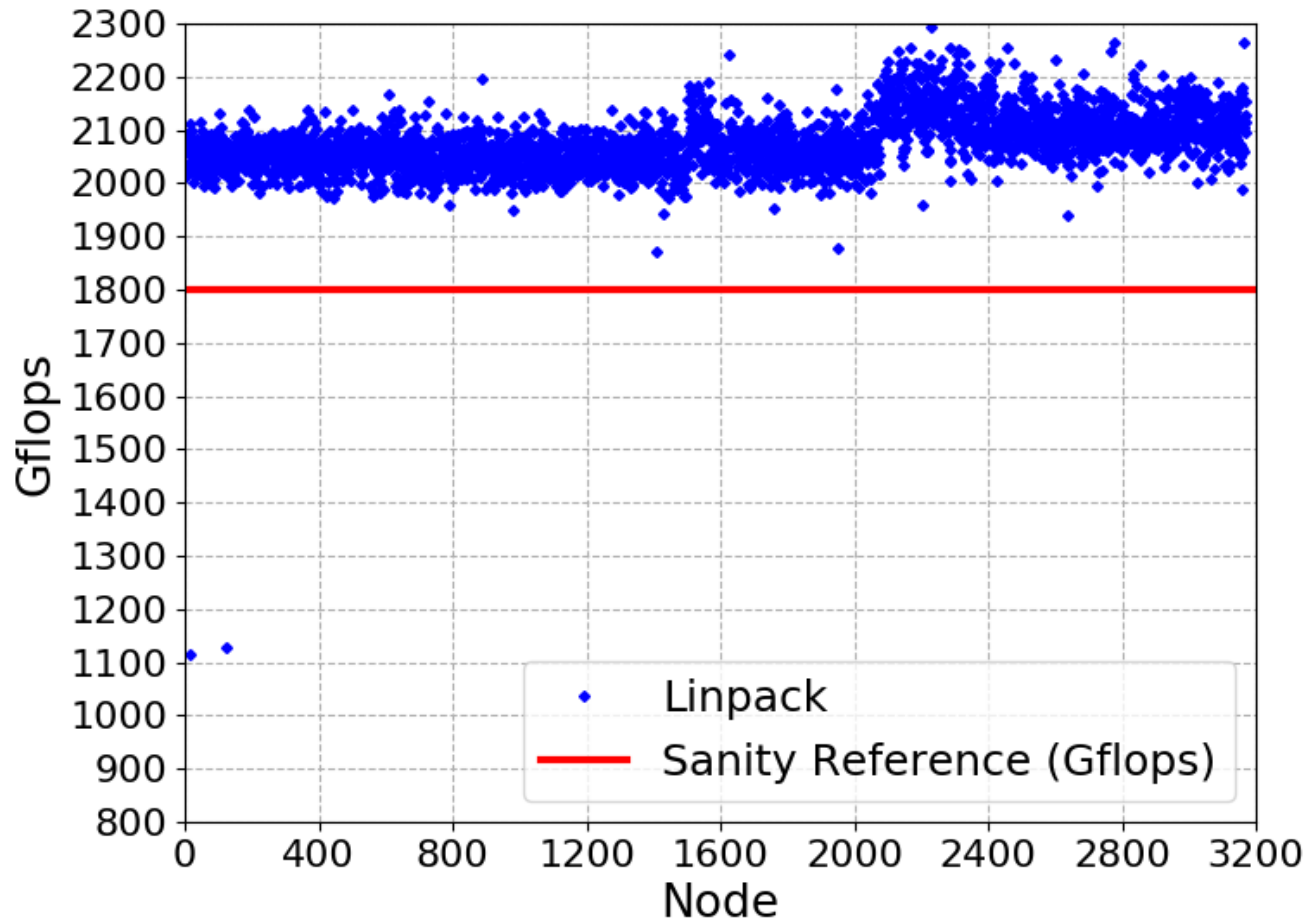
MARCONI – September 2021

- Tests were performed during maintenance on September 9th

- Tests: linpack and stream on each single node of SKL

- Switch-level Linpack tests were performed during maintenance

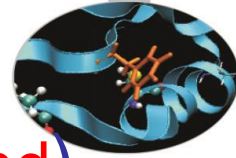- Slow nodes have been removed from production for investigation and fixes
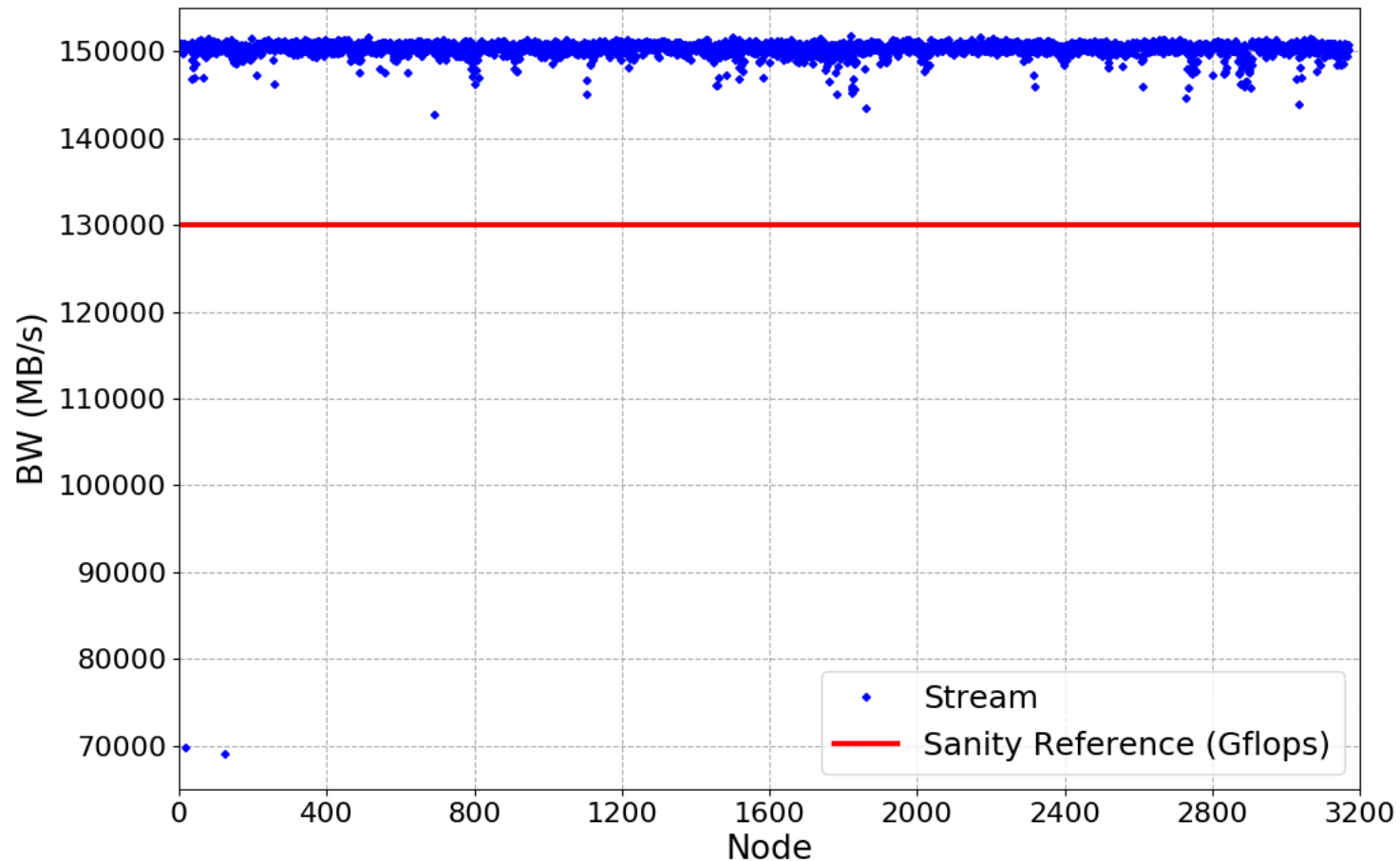
Linpack SKL

- Sanity threshold: 1800 Gflops (two slow nodes found)
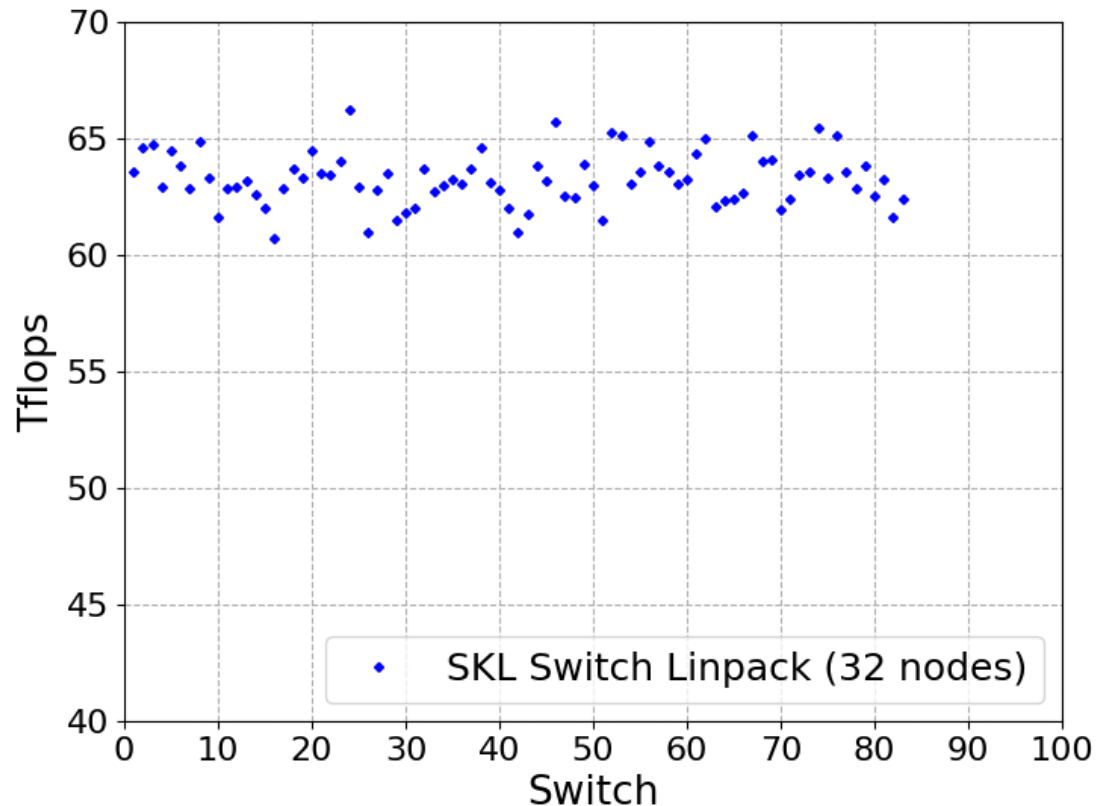
Stream SKL

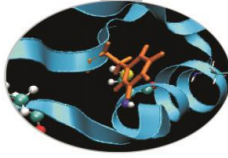- Sanity threshold: 130000 MB/s (two slow nodes found)

Switch-level Linpack SKL

- 85 switches tested
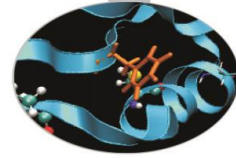- Overall stable performance, no switch with problems (the bad nodes were already drained)
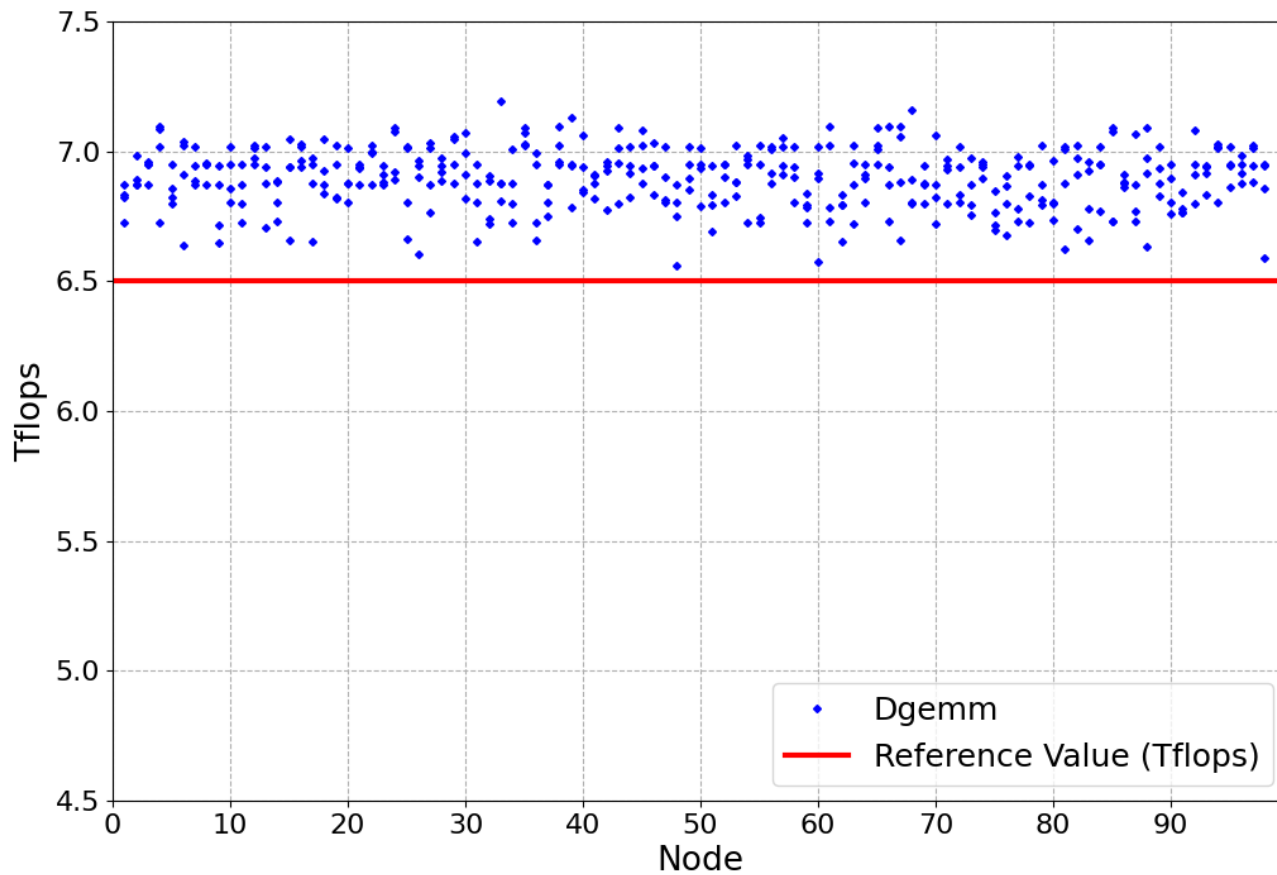
MARCONI100 – August 2021

- Sanity checks were performed during maintenance on August 24th

- Tests: dgemm, stream-GPU, nvlink and p2p on each single node of M100

- Results from the nodes of EUROFusion partition are shown

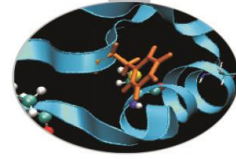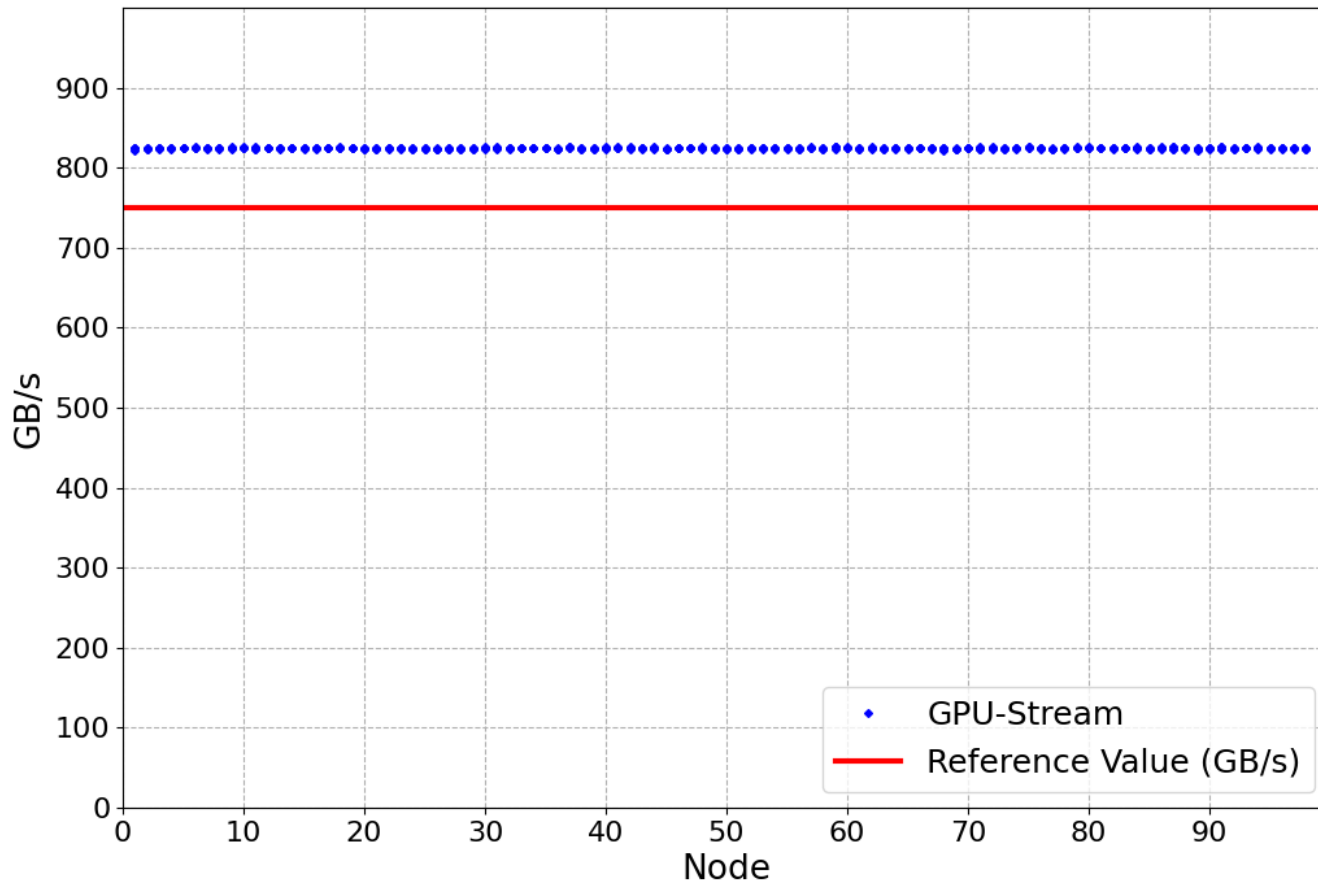- Pre-maintenance and post-maintenance checks were performed, as an accorded test

Dgemm
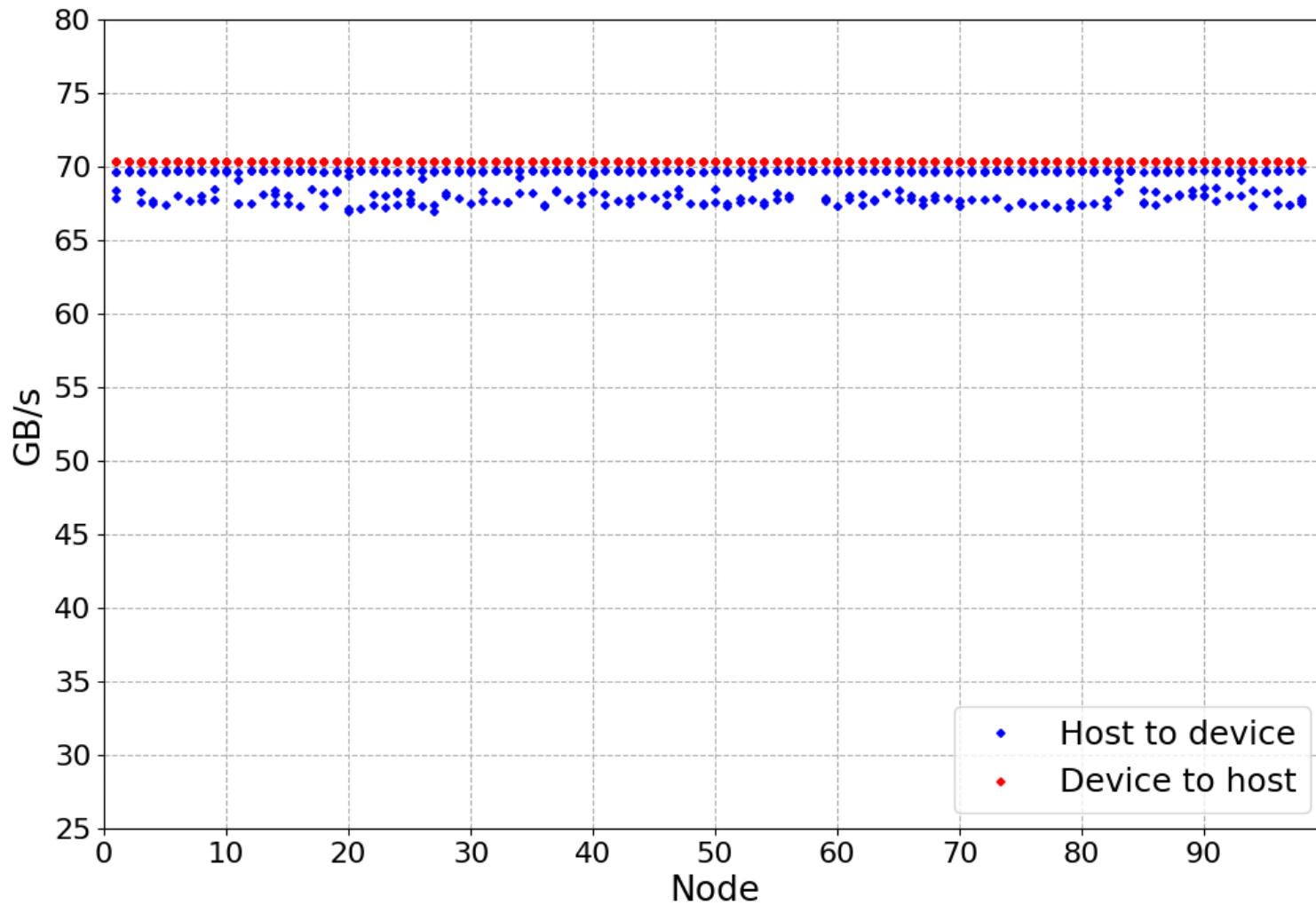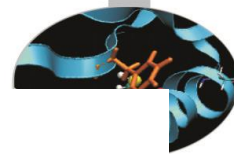
- Sanity threshold: 6.5 Tflops (no slow GPU found)

Stream-GPU

- Sanity threshold 750 Gb/s (no slow GPUs found)

Nvlink-GPU

P2P-GPU