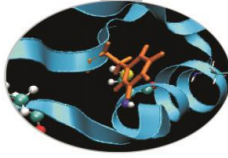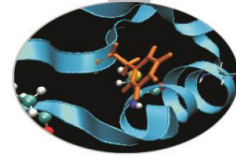# Outline

- MARCONI: Sanity checks launched during production on December and maintenance on January (linpack, stream)

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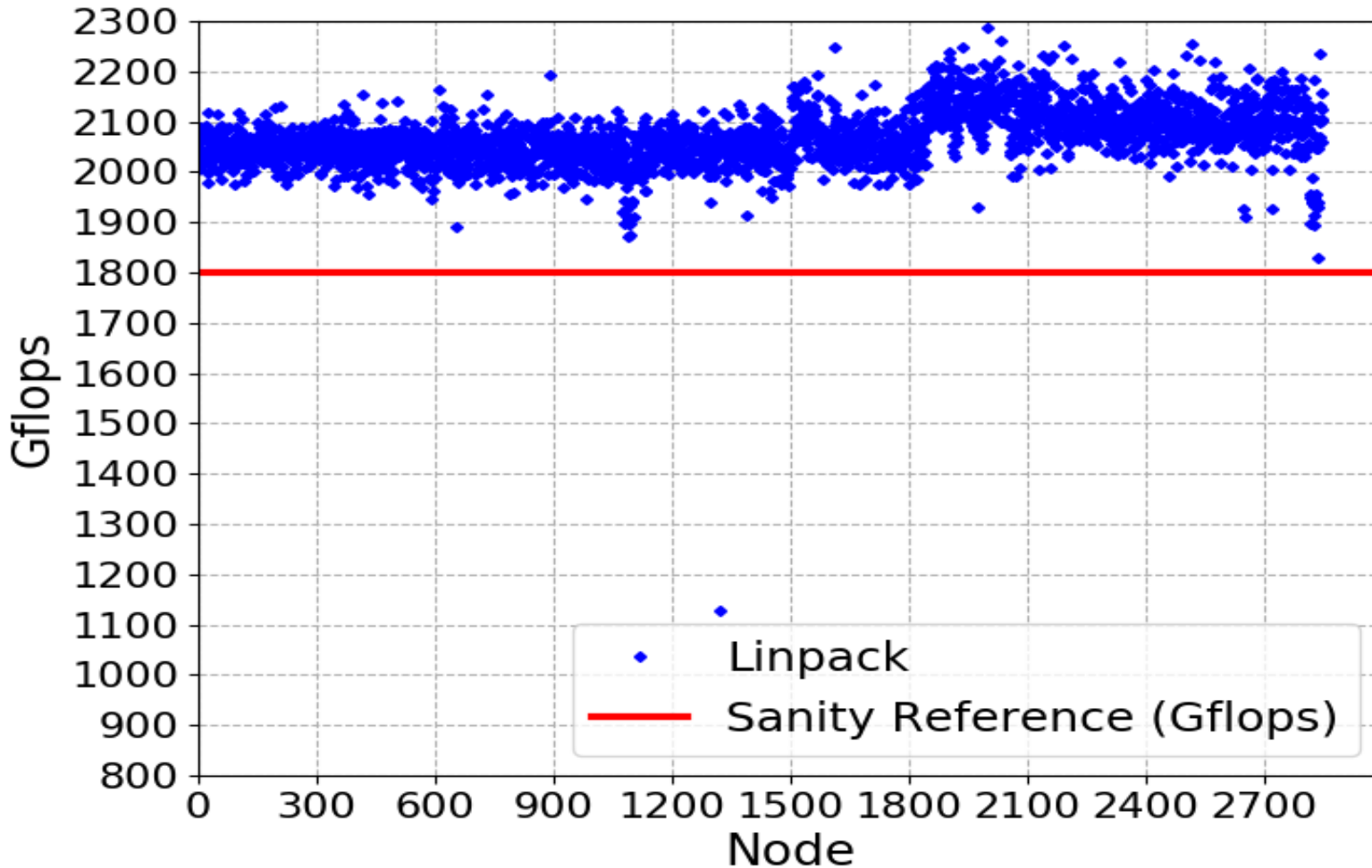
MARCONI – December 2021

- Tests were performed during production and launched on December 29th

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

- 2847 were tested in time for this Ticket Meeting (only EF nodes tested)

- No Switch-level Linpack tests with production runs

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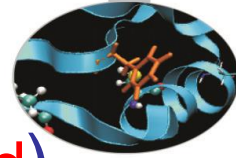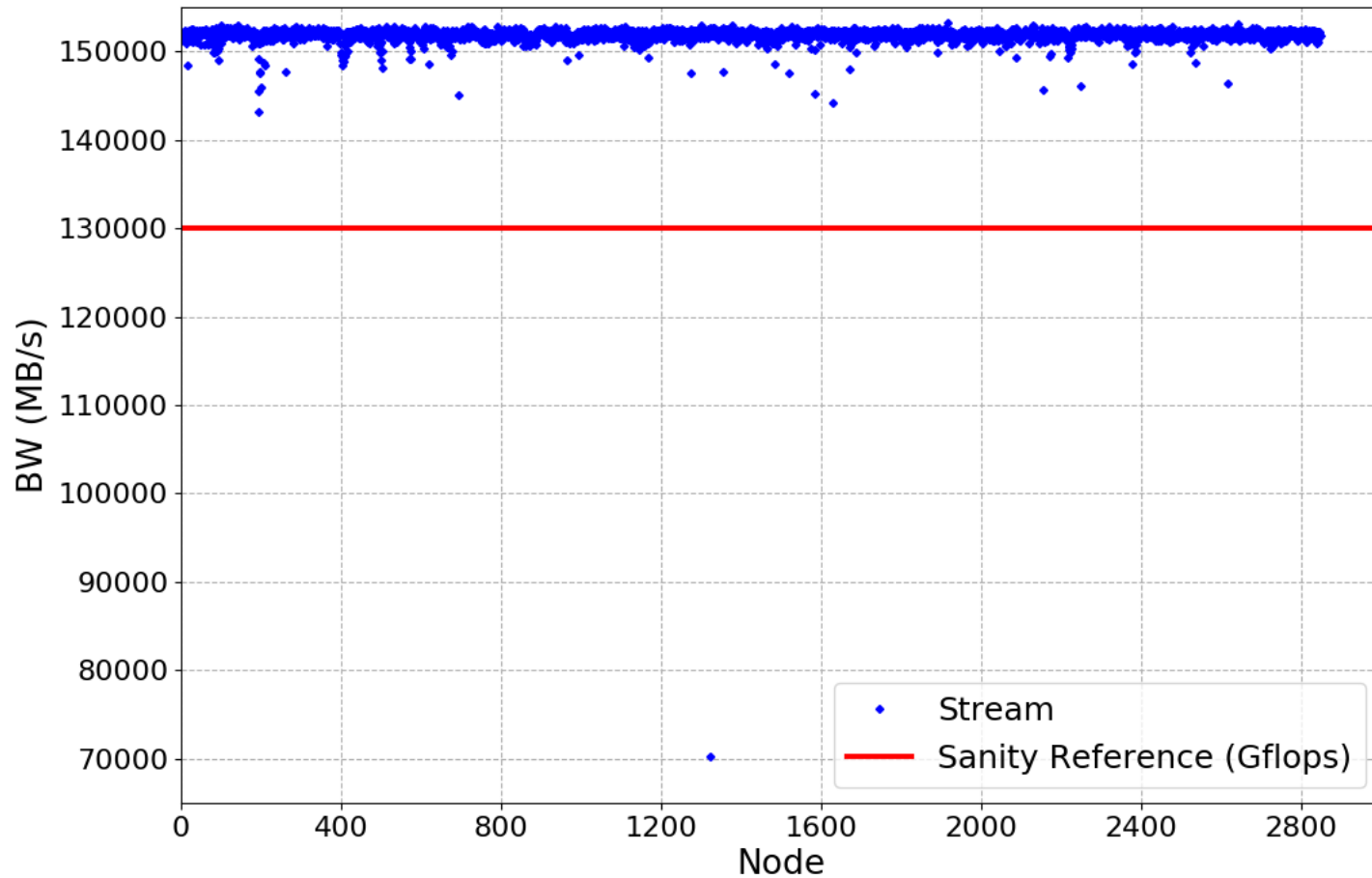
Linpack SKL

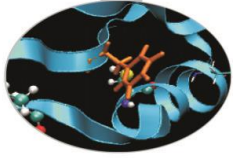- Sanity threshold: 1800 Gflops (one slow node found)

Stream SKL

- Sanity threshold: 130000 MB/s (one slow node found)
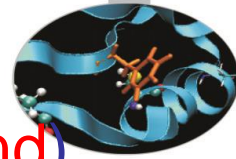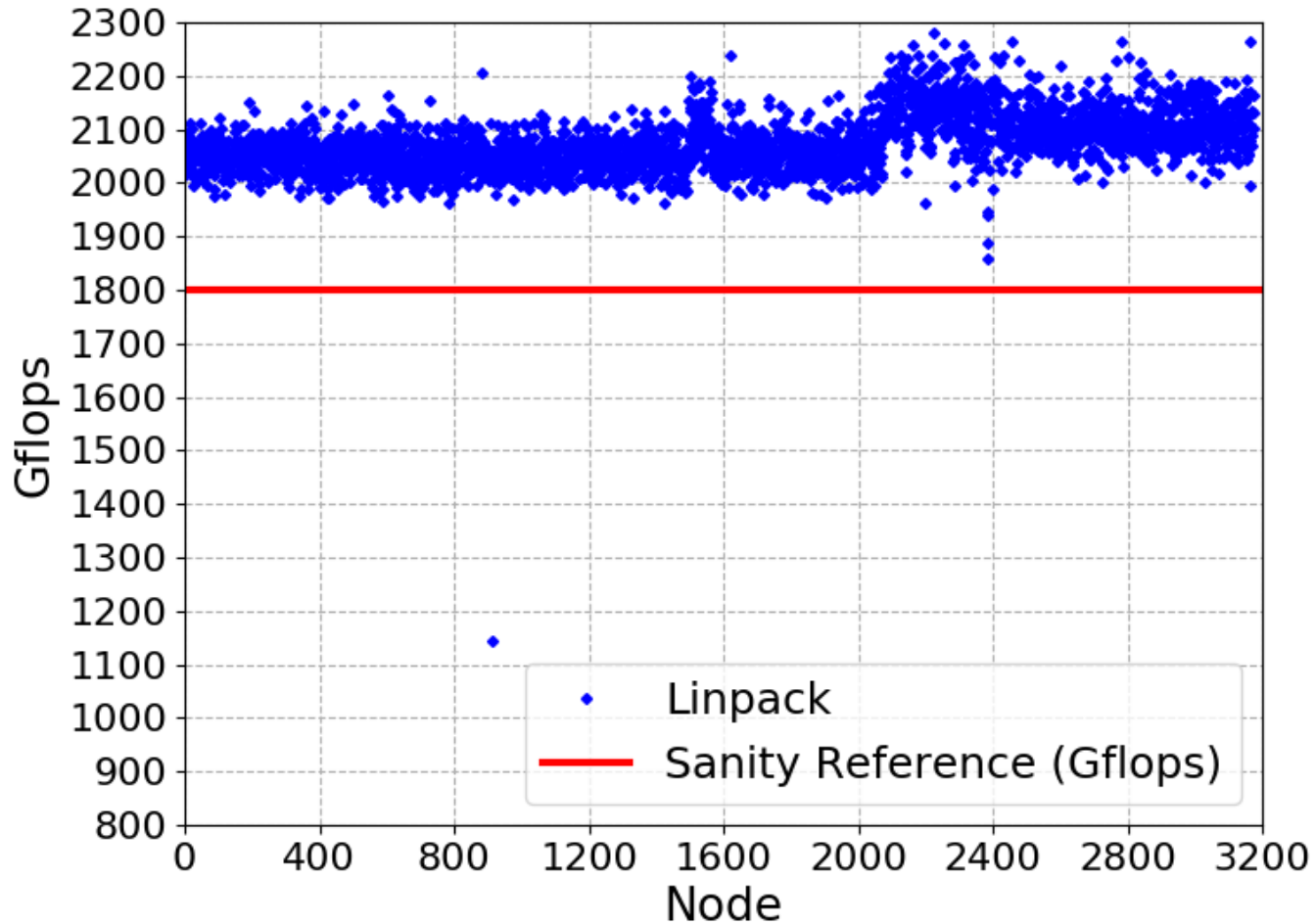
MARCONI –
January 2022

- Tests were performed during maintenance on January 11th

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

- Switch-level Linpack tests were performed during maintenance

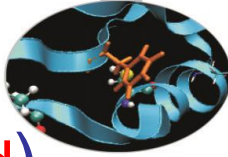- Slow nodes have been removed from production for investigation and fixes
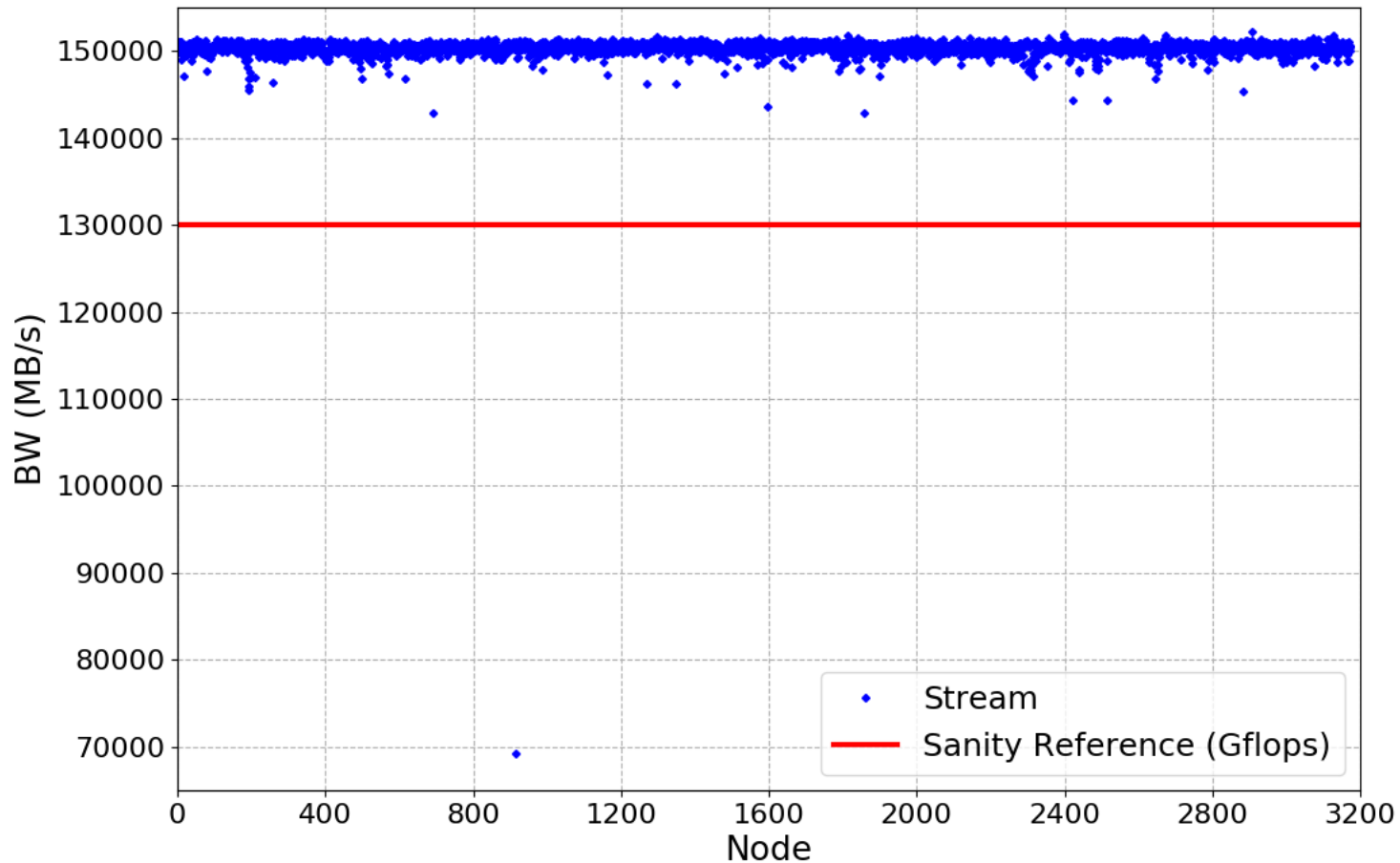
Linpack SKL

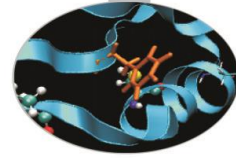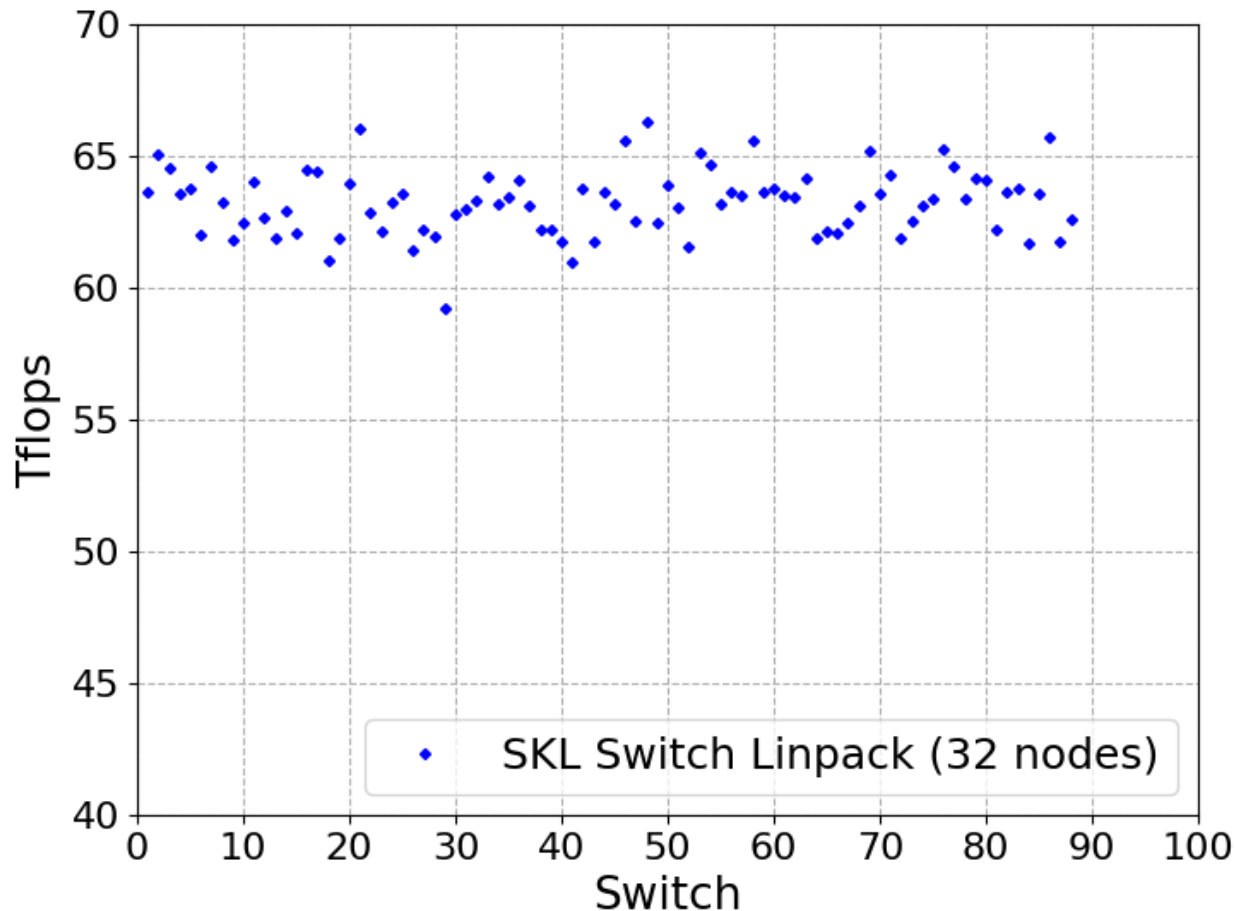- Sanity threshold: 1800 Gflops (one slow node found)

Stream SKL

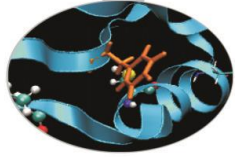- Sanity threshold: 130000 MB/s (no slow nodes found)

Switch-level Linpack SKL

- 88 switches tested
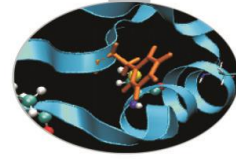- Overall stable performance, one switch with problems (reported)
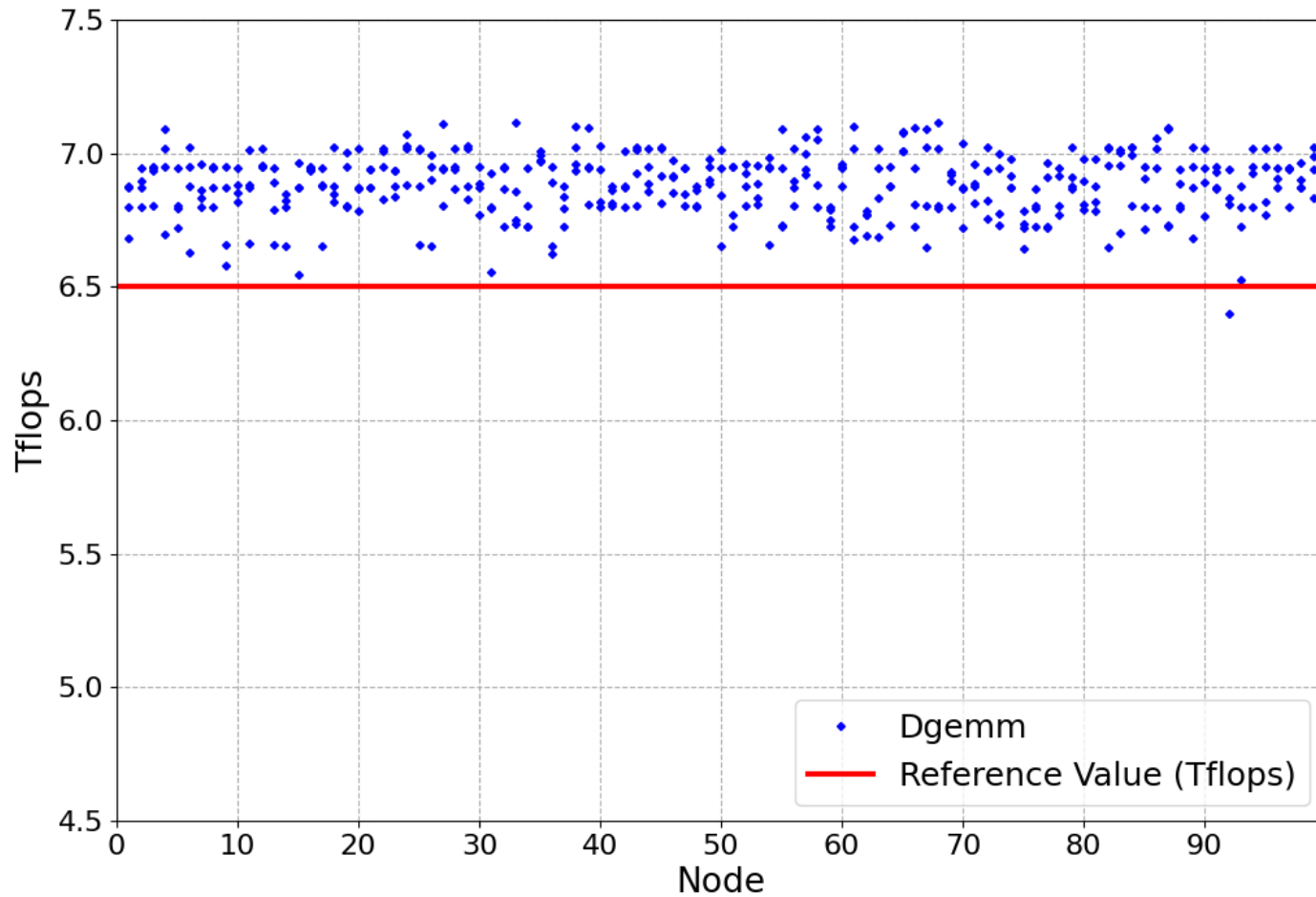
MARCONI100 – December 2021

- Further sanity checks were performed during production and launched on December 29th

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

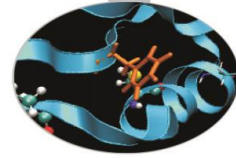- Results from the nodes of EUROFusion partition are shown

Dgemm

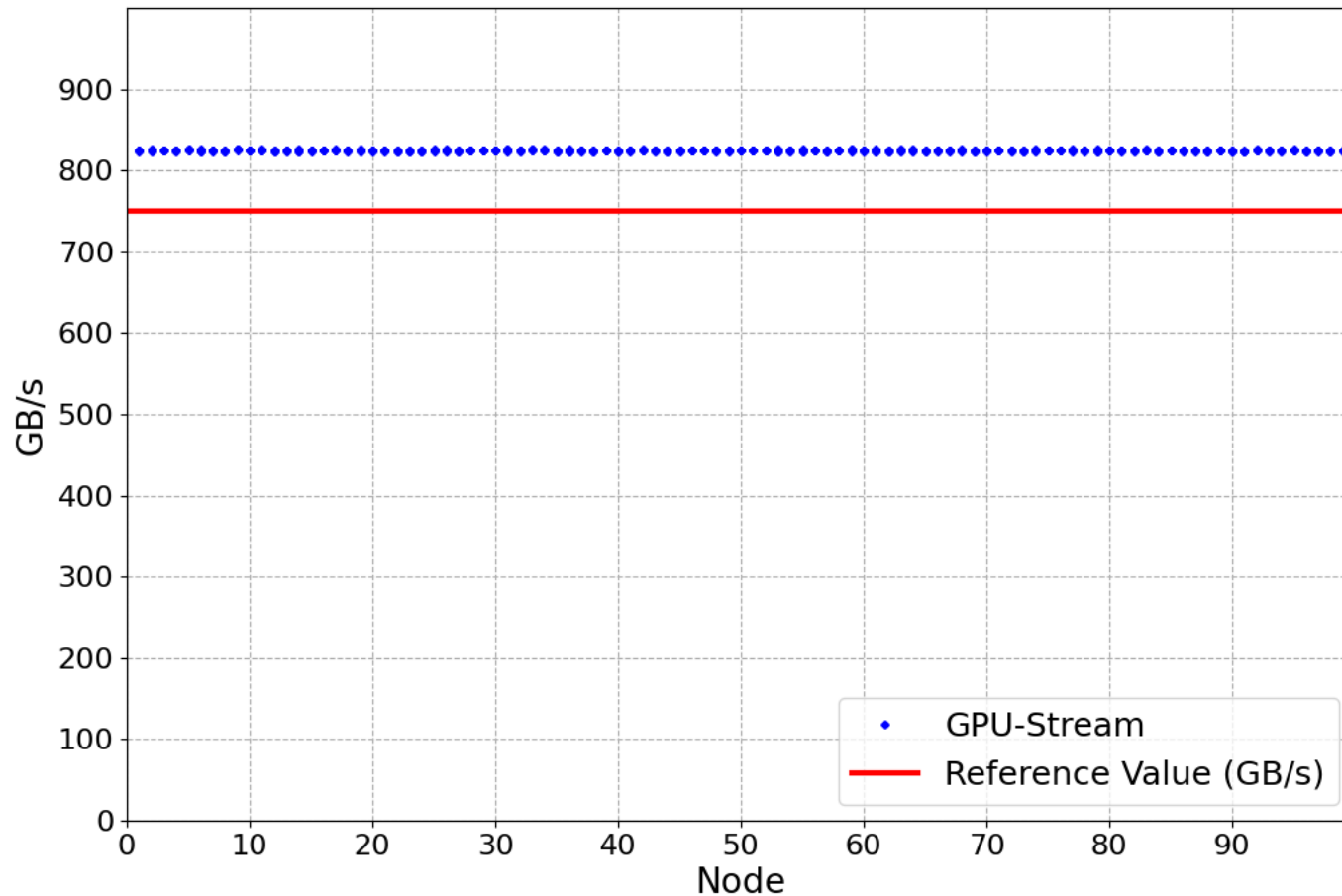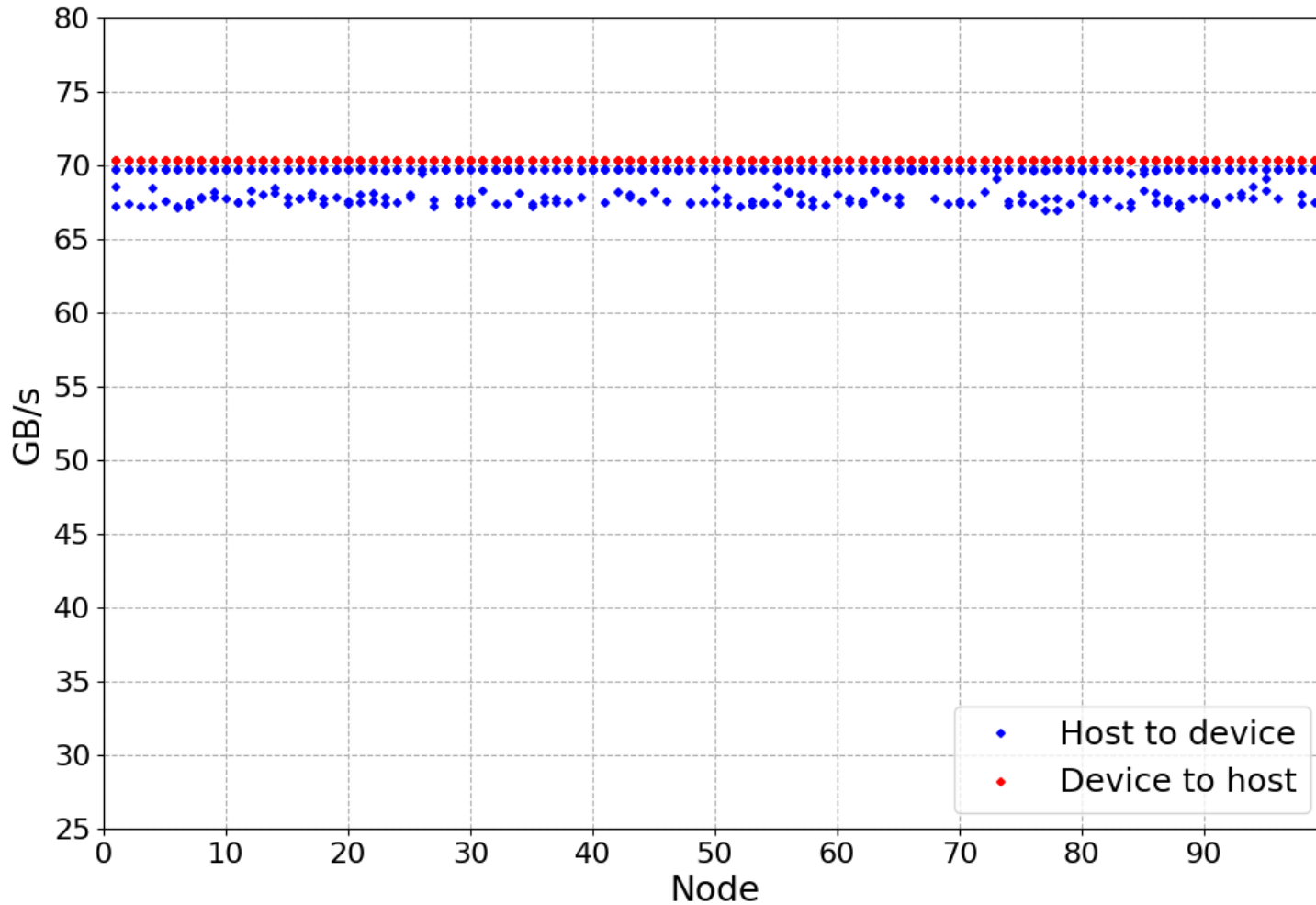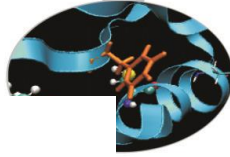- Sanity threshold: 6.5 Tflops (one slow GPU found)

Stream-GPU

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

Nvlink-GPU

P2P-GPU