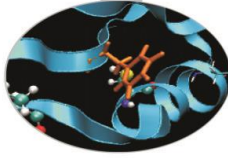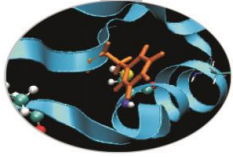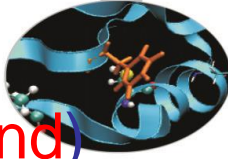# Outline

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

- MARCONI100: Sanity checks on GPU (dgemm, stream, nvlink, p2p) during Maintenance on March and production on April
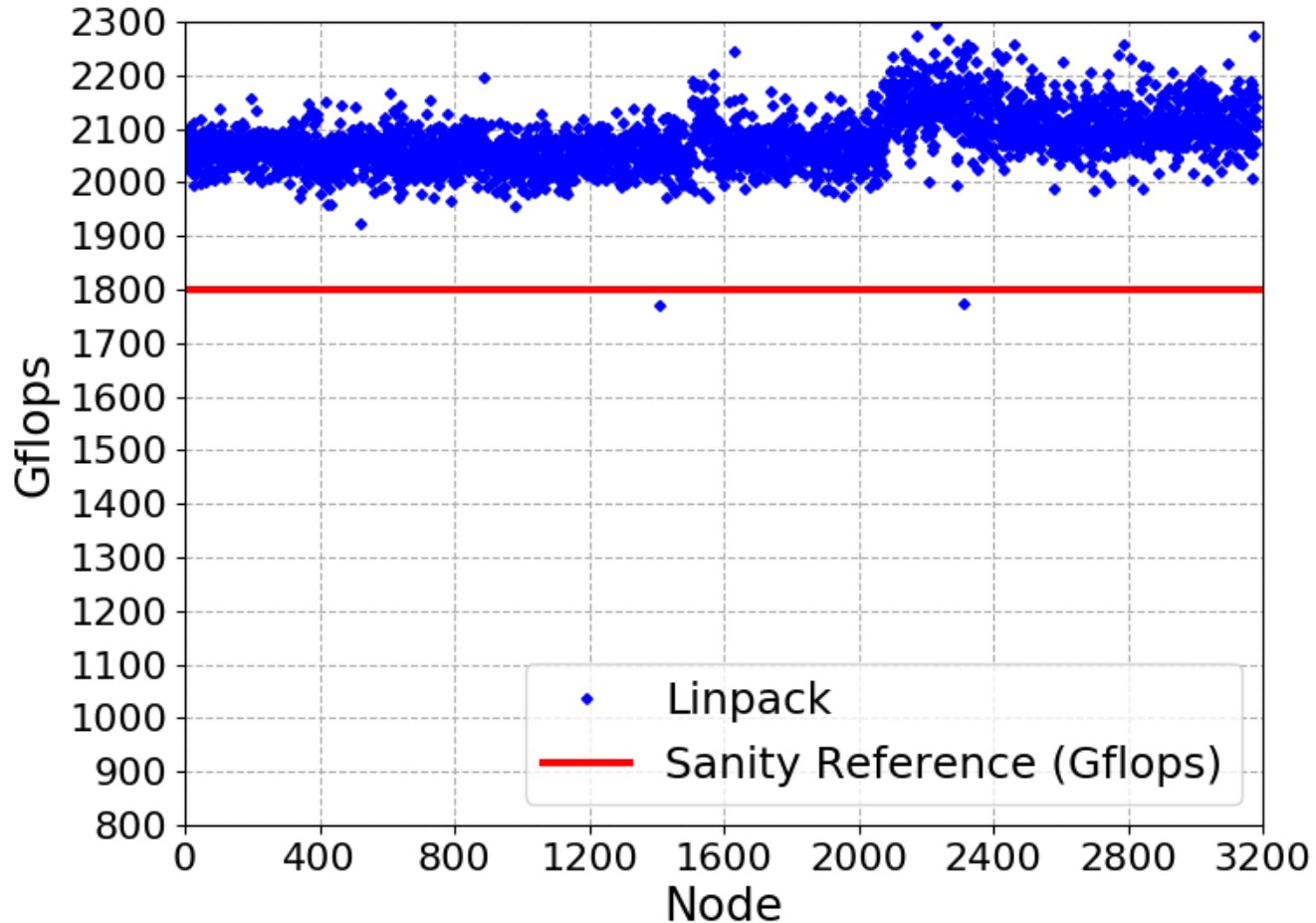
MARCONI –
April 2021

- Tests were performed during maintenance on April 13th

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

- Switch-level Linpack tests were performed

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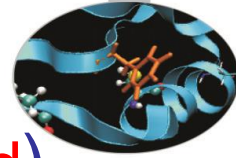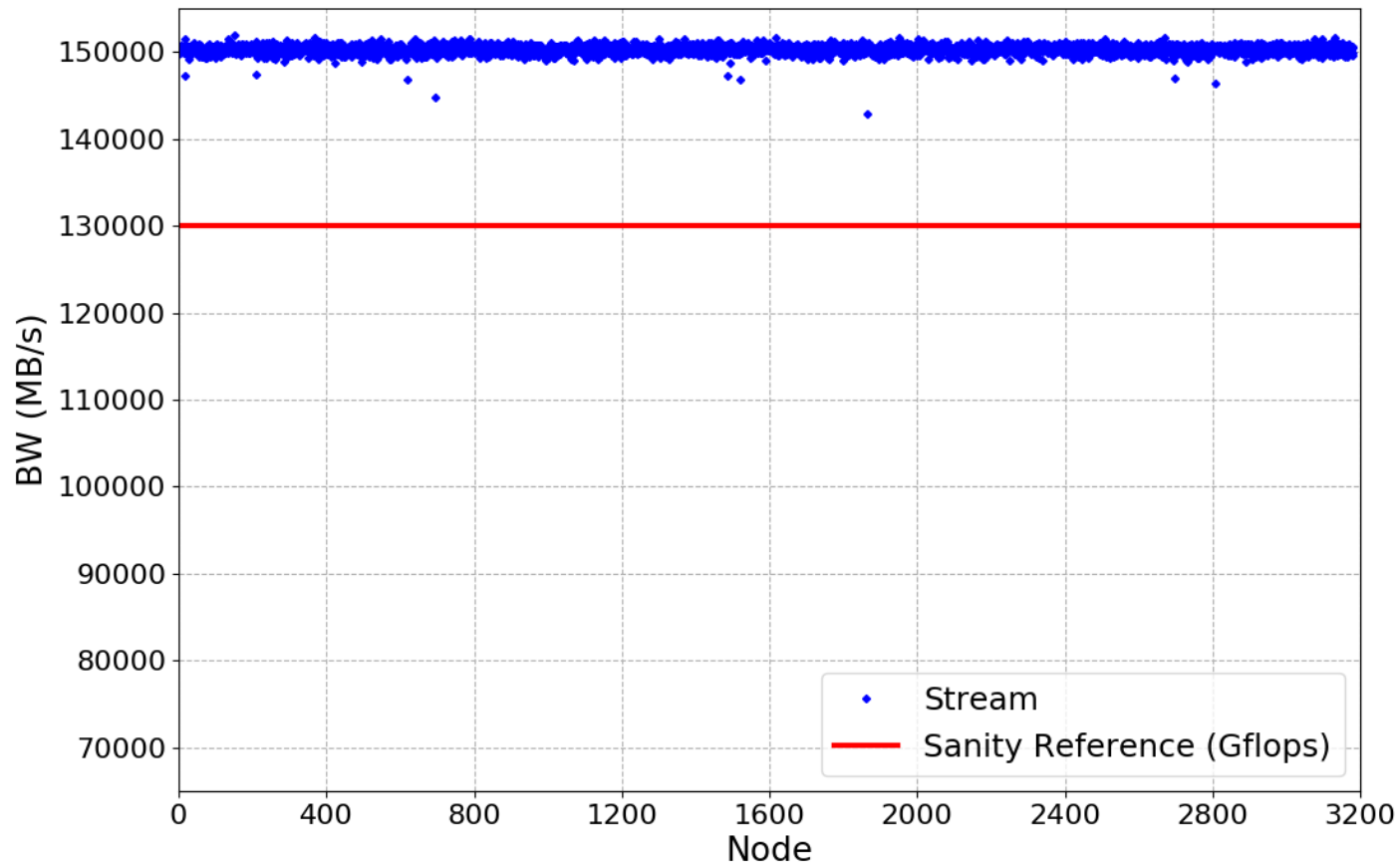
Linpack SKL

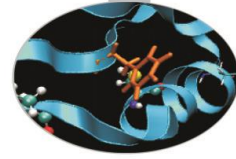- Sanity threshold: 1800 Gflops (two slow nodes found)
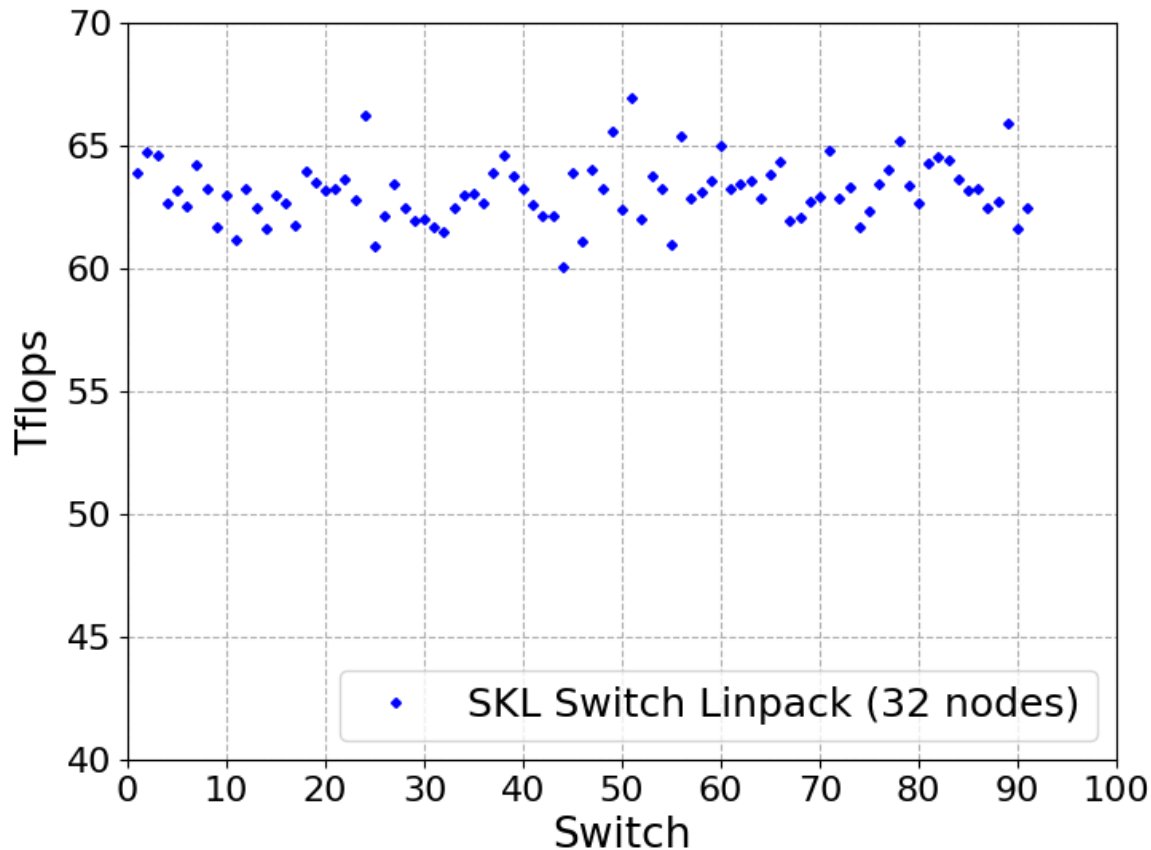
Stream SKL

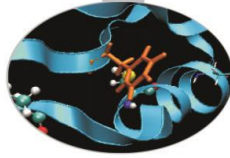- Sanity threshold: 130000 MB/s (no slow nodes found)

Switch-level Linpack SKL

- 91 switches tested
- Overall stable performance
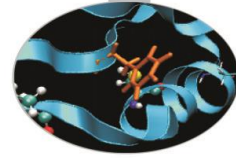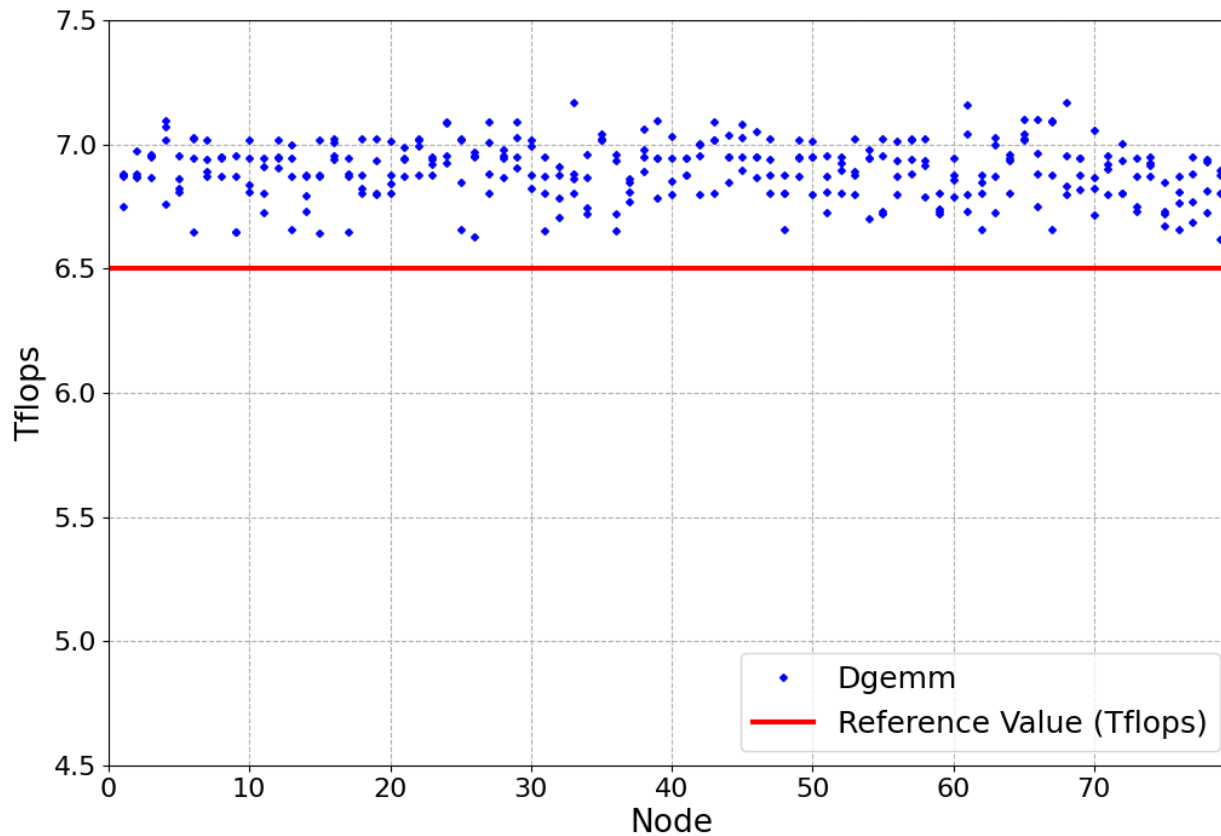
MARCONI100 – March 2021

- Sanity checks were performed during maintenance on March 24th

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

- Results from the nodes of EUROFusion partition are shown

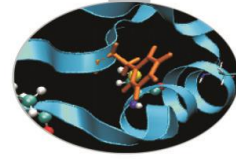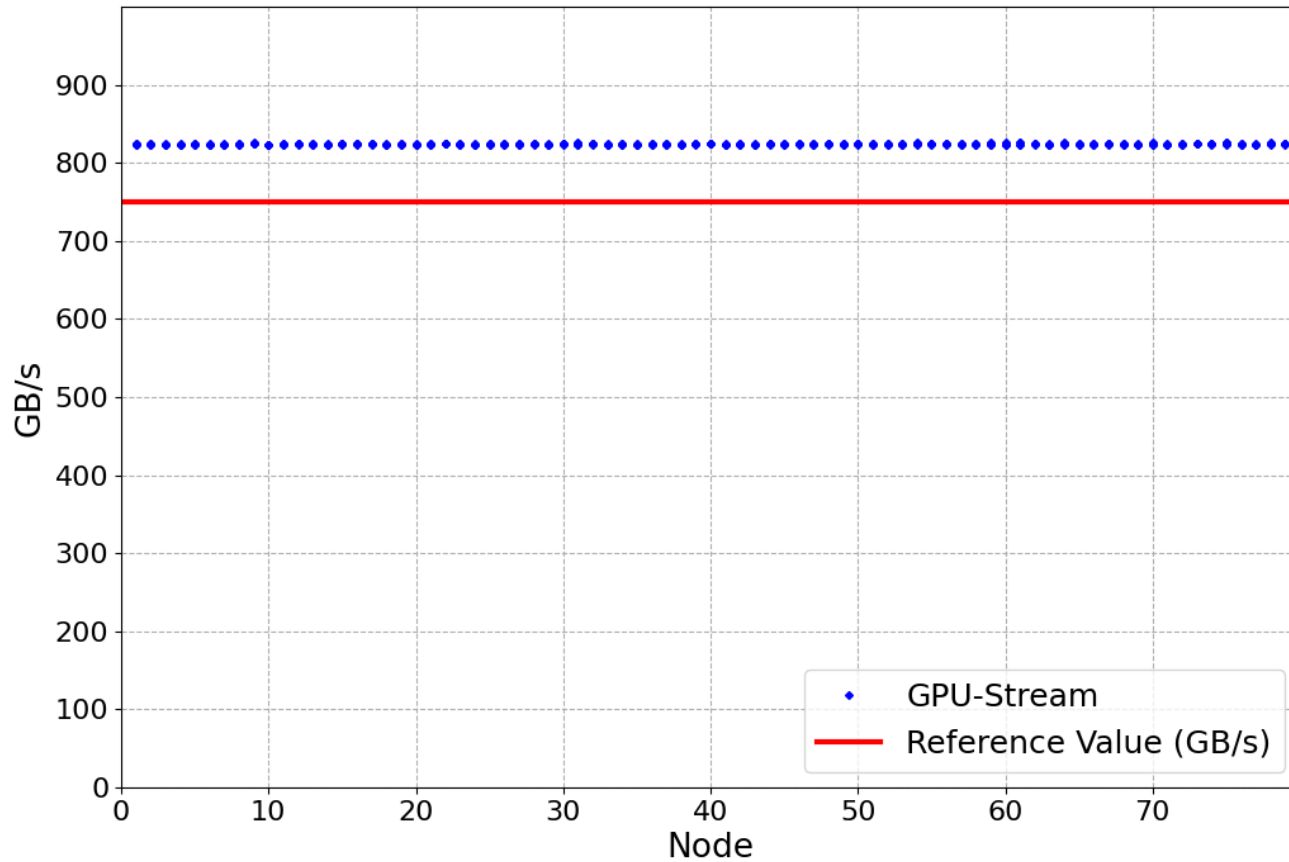- NOTE: this was made before the rack increase, so the results for 80 nodes are shown

Dgemm

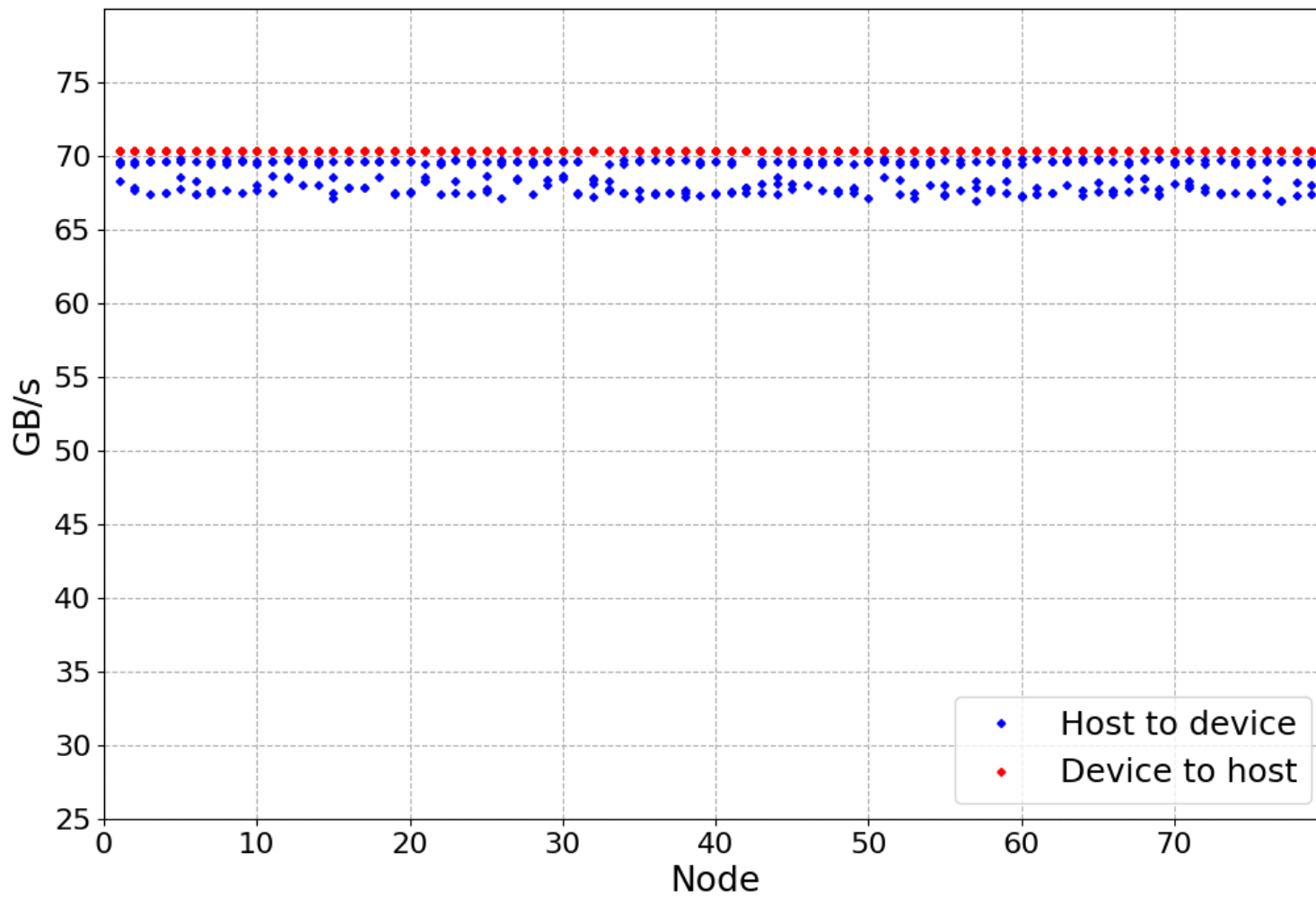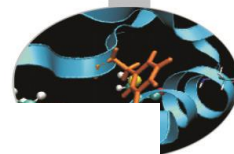- Sanity threshold: 6.5 Tflops (no slow GPUs found)
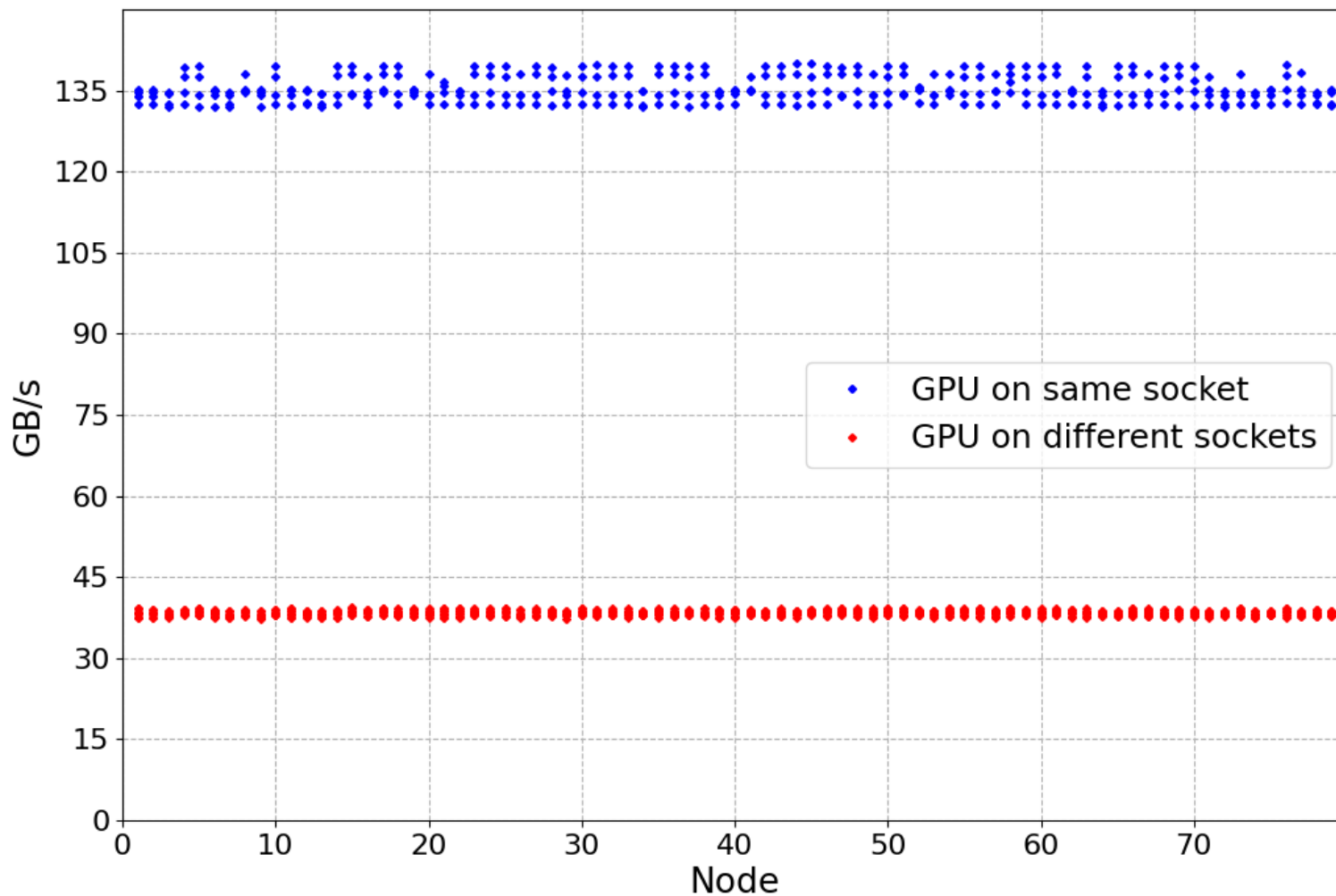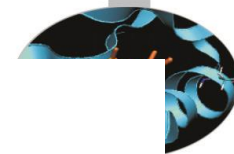
Stream-GPU

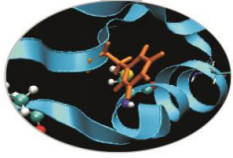- Sanity threshold 750 Gb/s (no slow GPUs found)
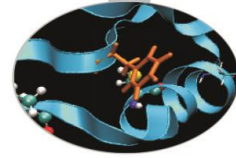
Nvlink-GPU

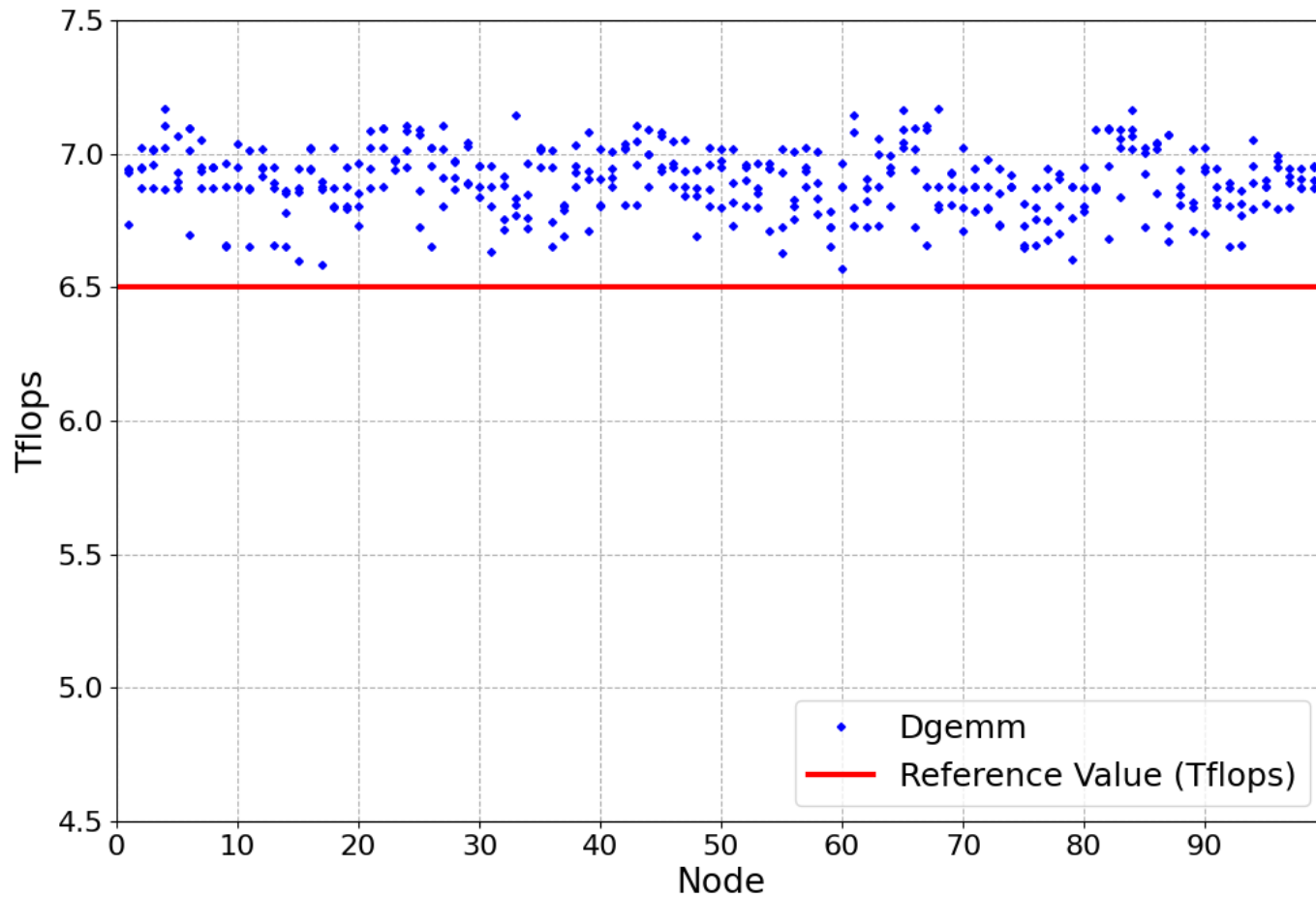# P2P-GPU

MARCONI100 – April 2021

- Sanity checks were performed during production on April 12th

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

- Results from the nodes of EUROFusion partition are shown

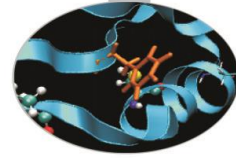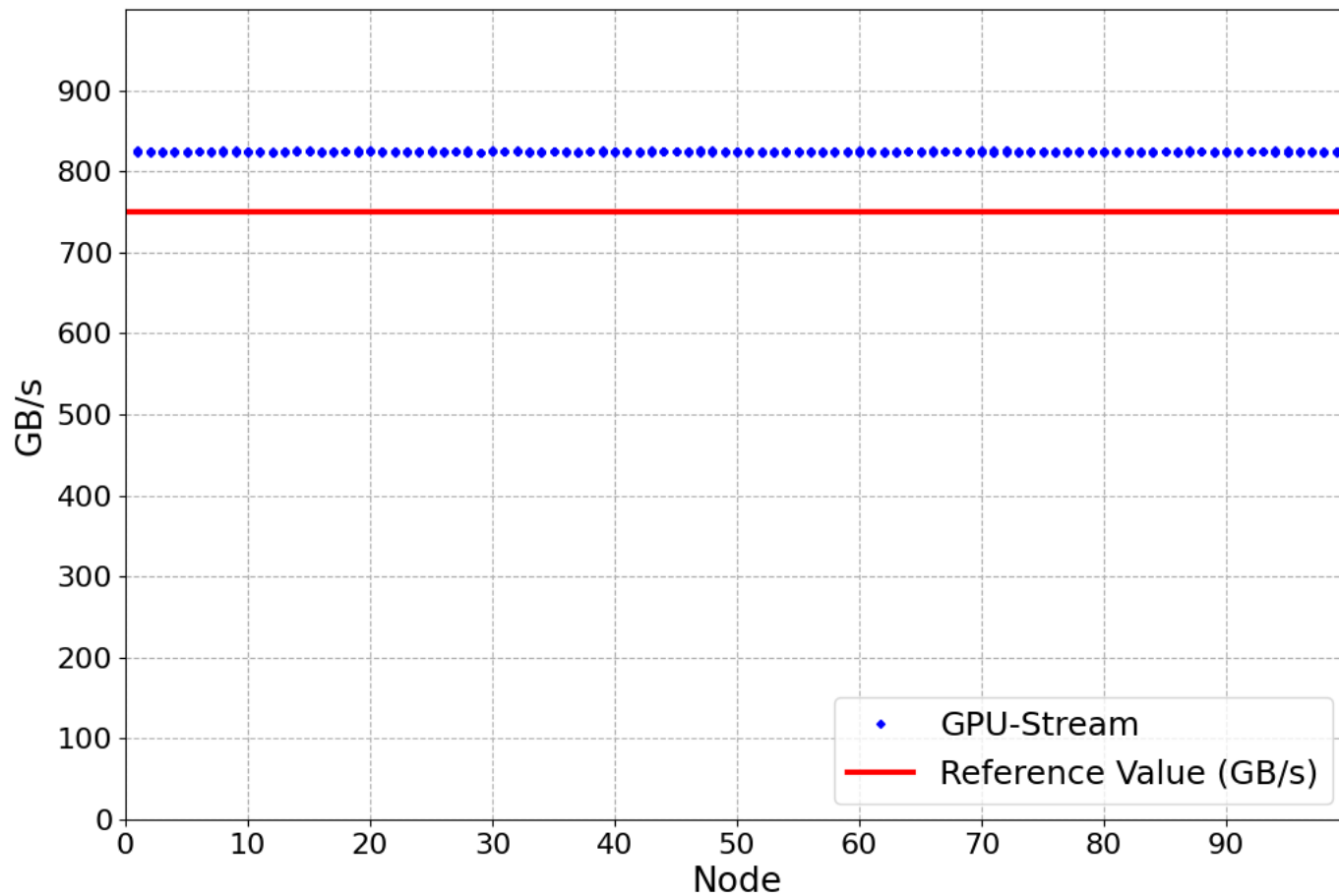- NOTE: this was made after the rack increase, so the results for 99 nodes are shown

Dgemm

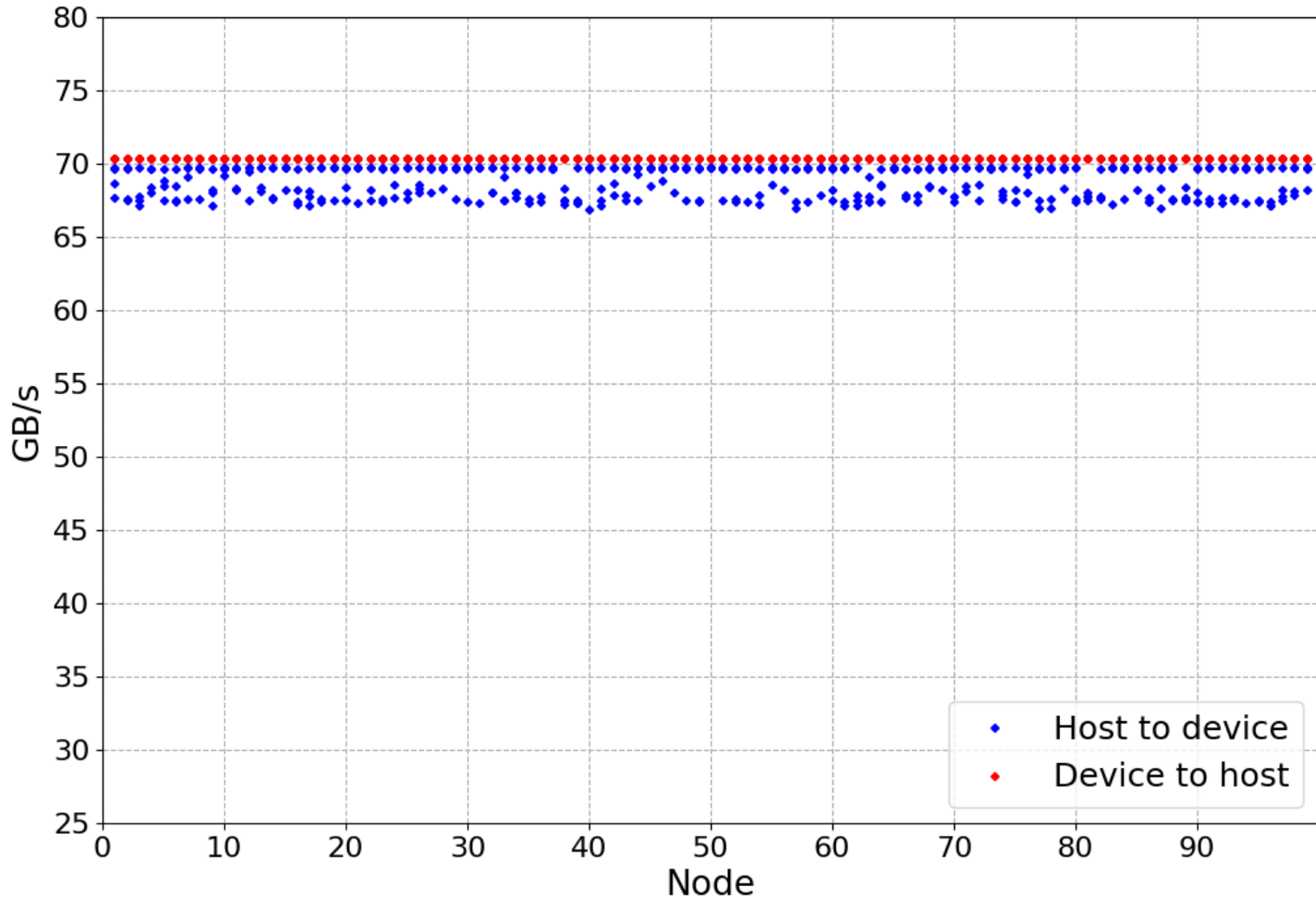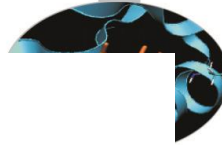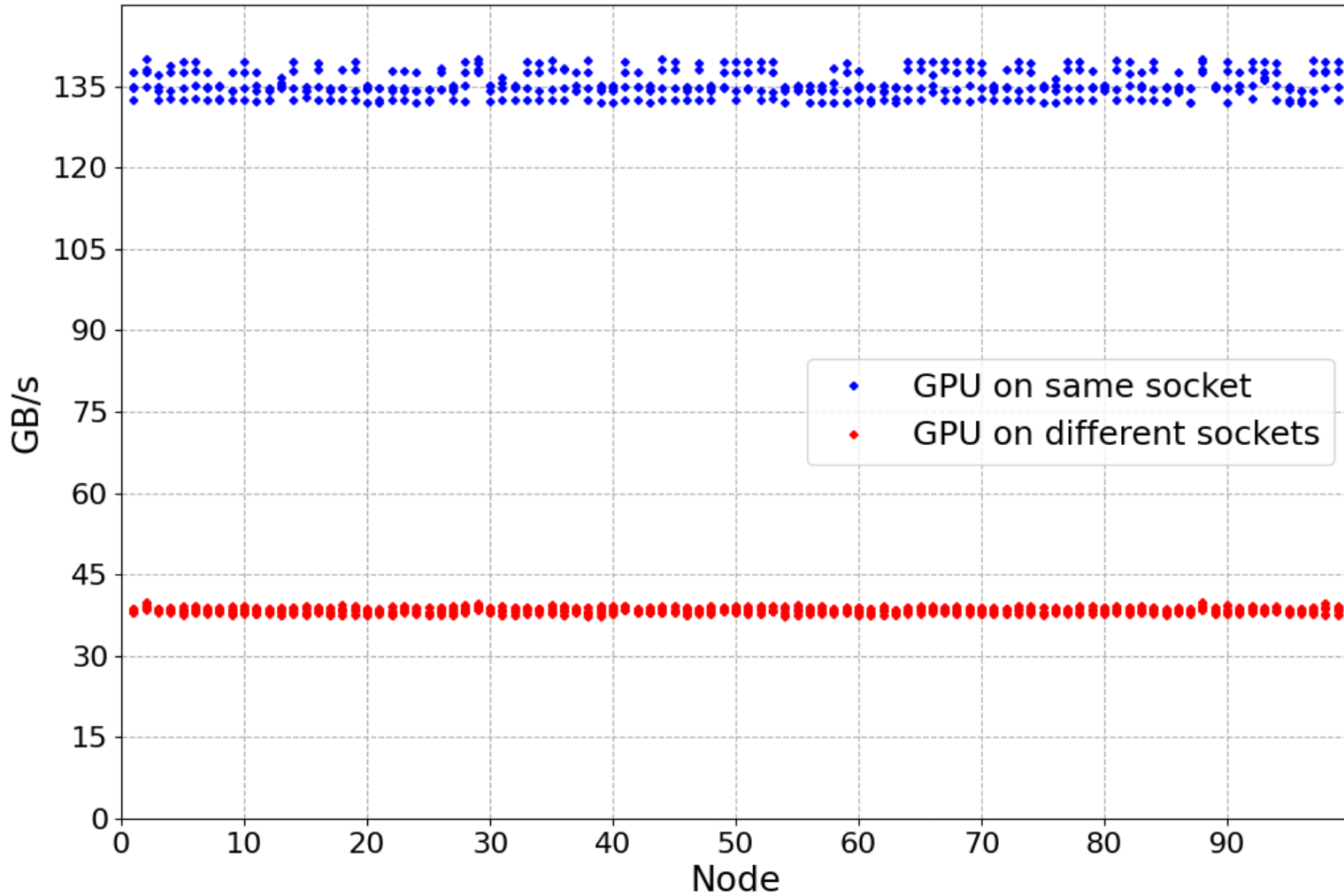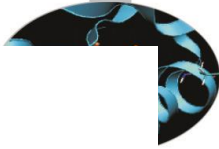- Sanity threshold: 6.5 Tflops (two slow GPUs found)

Stream-GPU

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

Nvlink-GPU

P2P-GPU

FOR OPERATION COMMITTEE:

- No results on Sanity Checks to send

- Next maintenance schedule: April 27th for M100

  May 11th for MARCONI