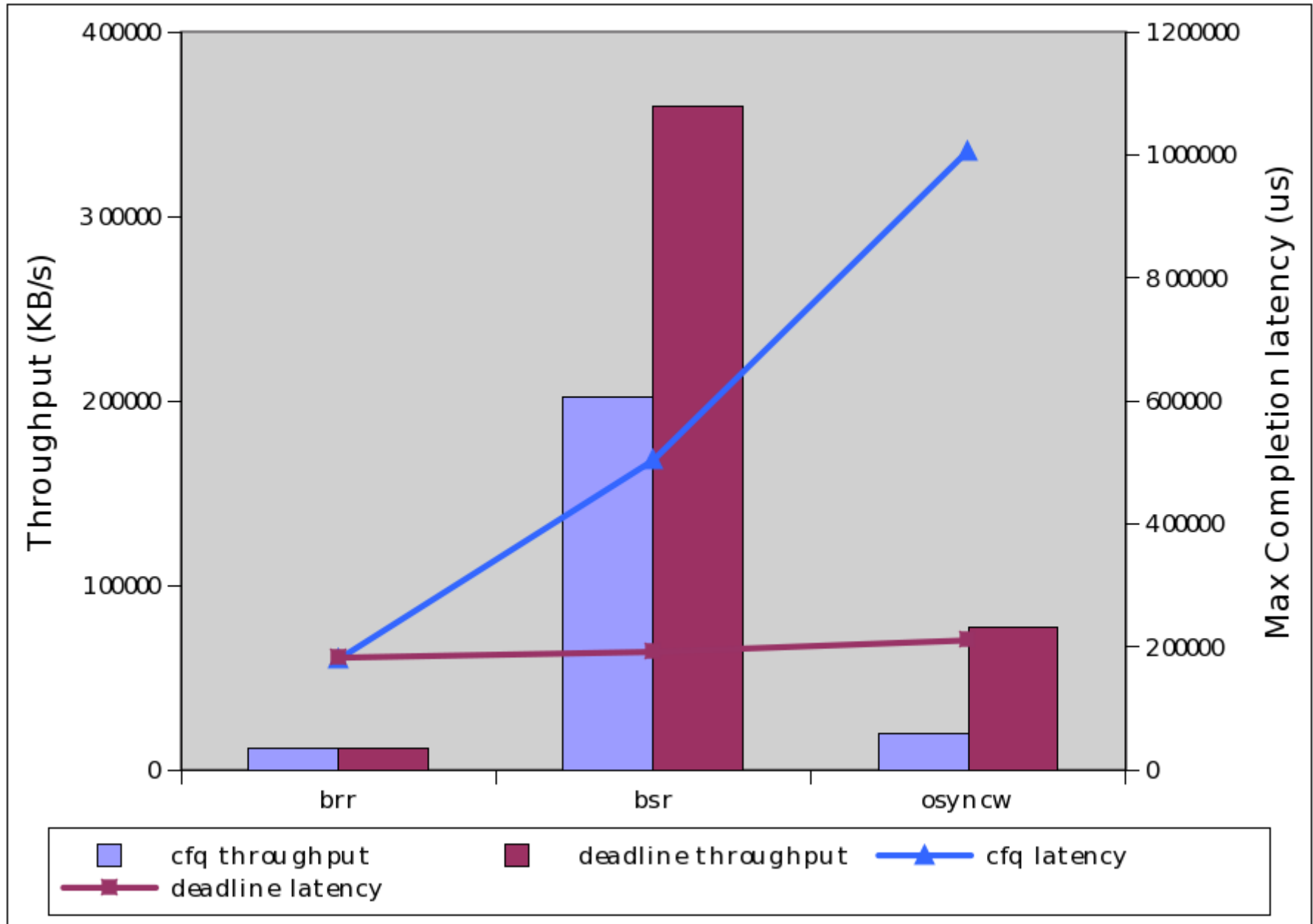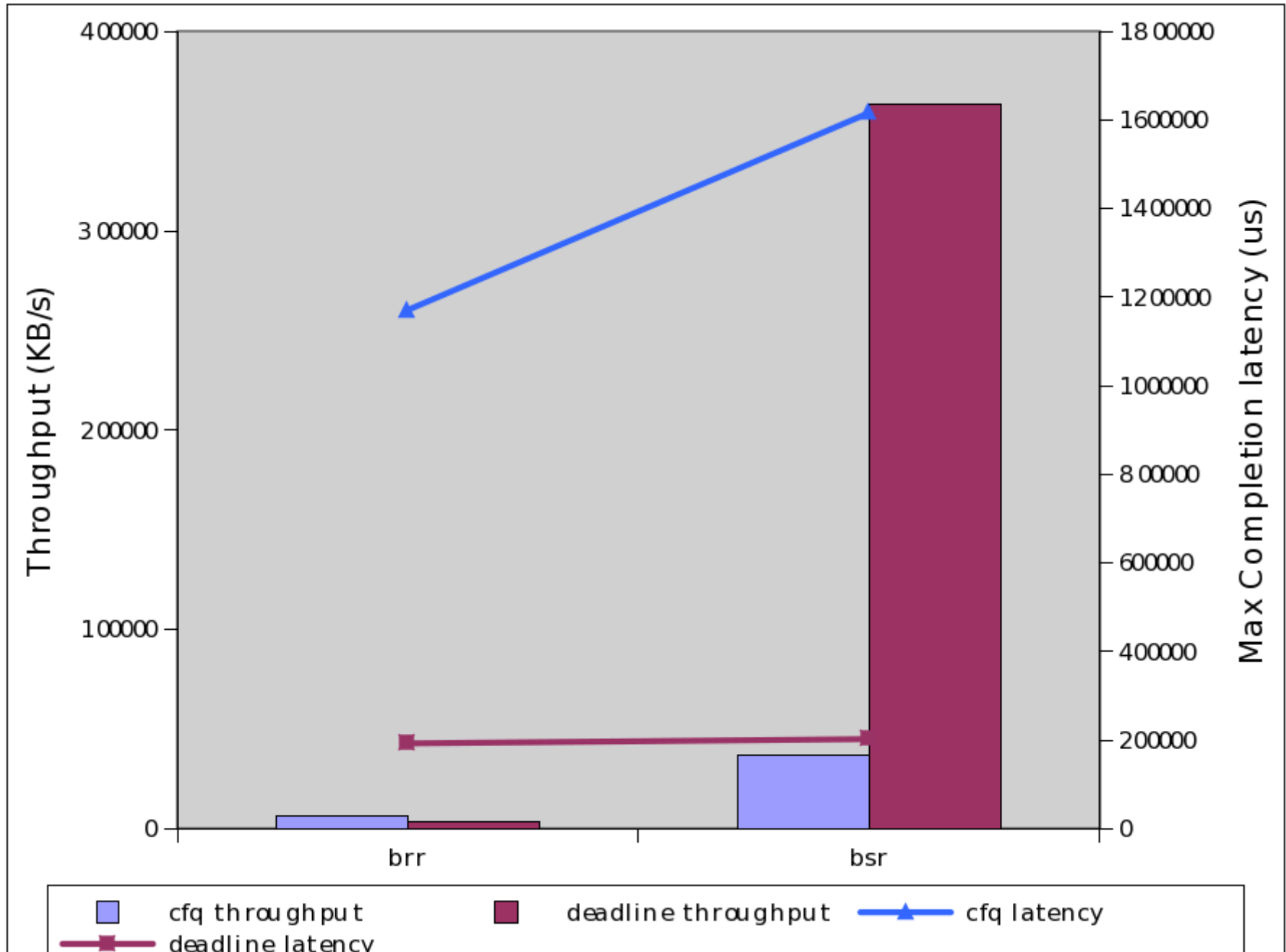# CFQ vs Deadline

Vivek Goyal
(vgoyal@redhat.com)

External Storage Array

Individual Workloads

External Storage Array
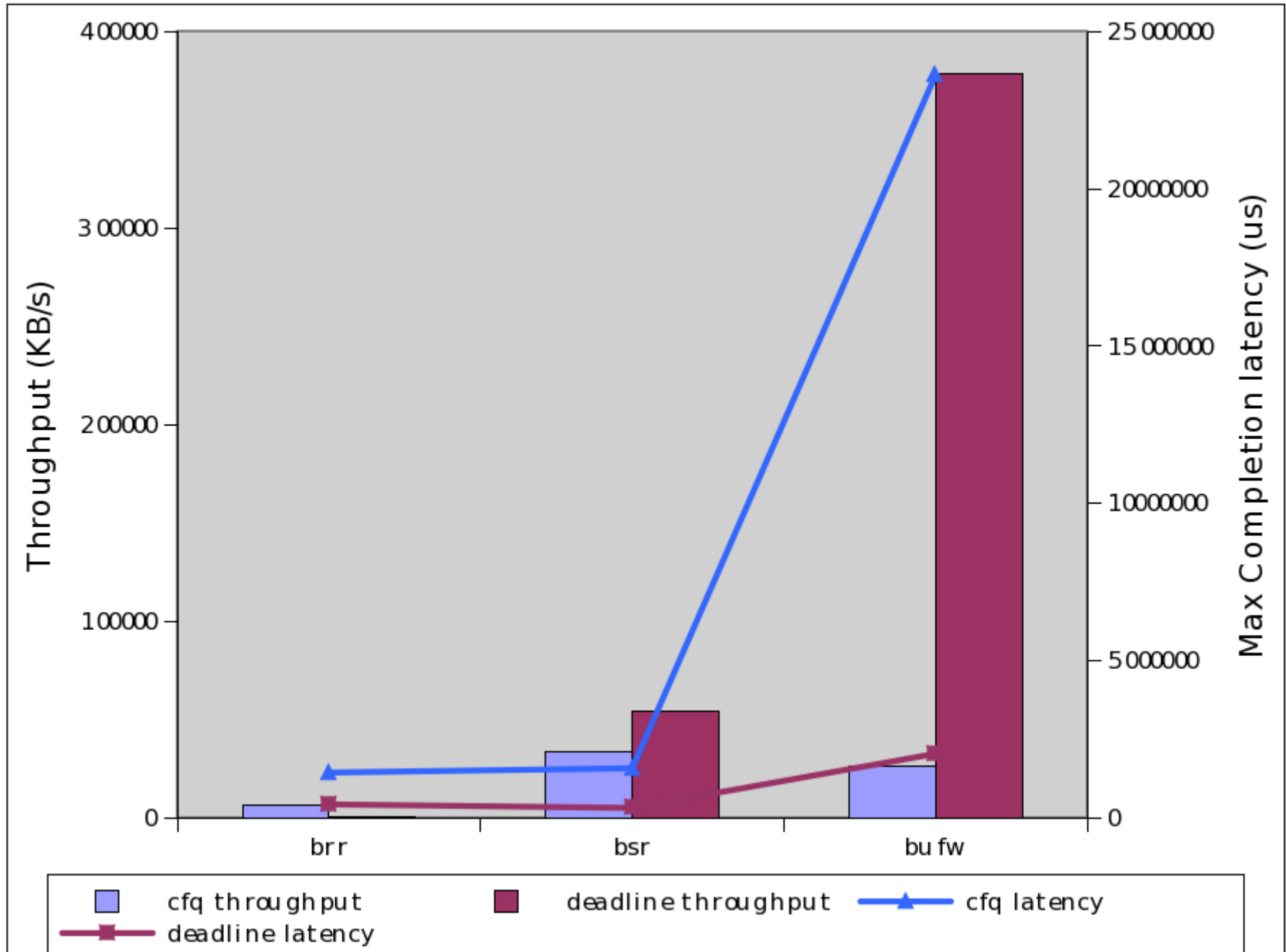
Composite Workload (seq + rnd)

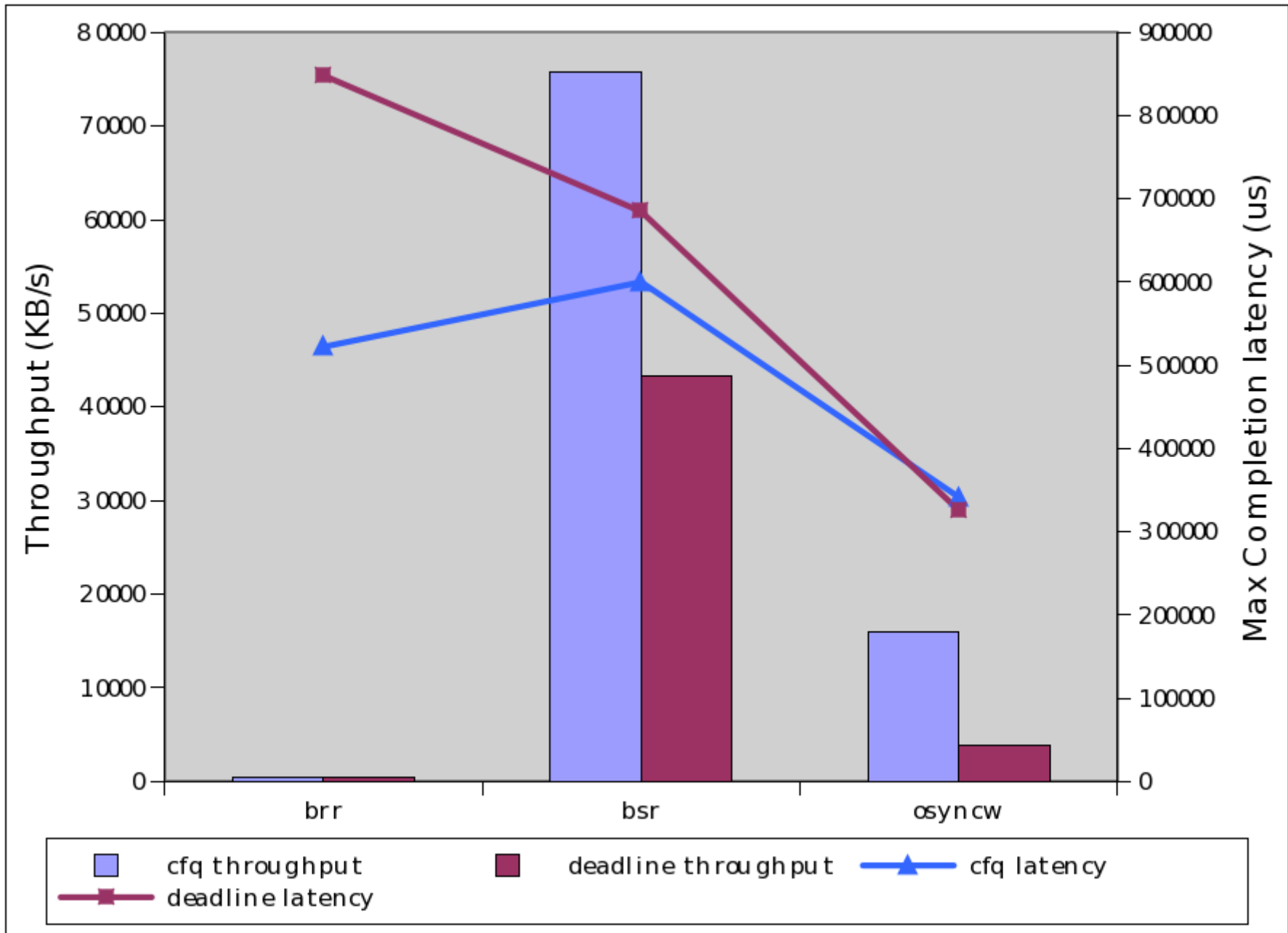# External Storage Array

Composite Workload (seq + rnd + bufw)

Legend:
- cfq throughput
- deadline throughput
- cfq latency
- deadline latency

X-axis: brr, bsr, bufw

Left Y-axis: Throughput (KB/s) — 0, 100000, 200000, 300000, 400000

Right Y-axis: Max Completion latency (us) — 0, 5000000, 10000000, 15000000, 20000000, 25000000

SATA Disk

Individual Workloads

Legend:
- cfq throughput
- deadline throughput
- cfq latency
- deadline latency

SATA Disk

Composite Workload (seq + rnd)

Legend:
- cfq throughput
- deadline throughput
- cfq latency
- deadline latency

SATA Disk

Composite Workload (seq + rnd + bufw)
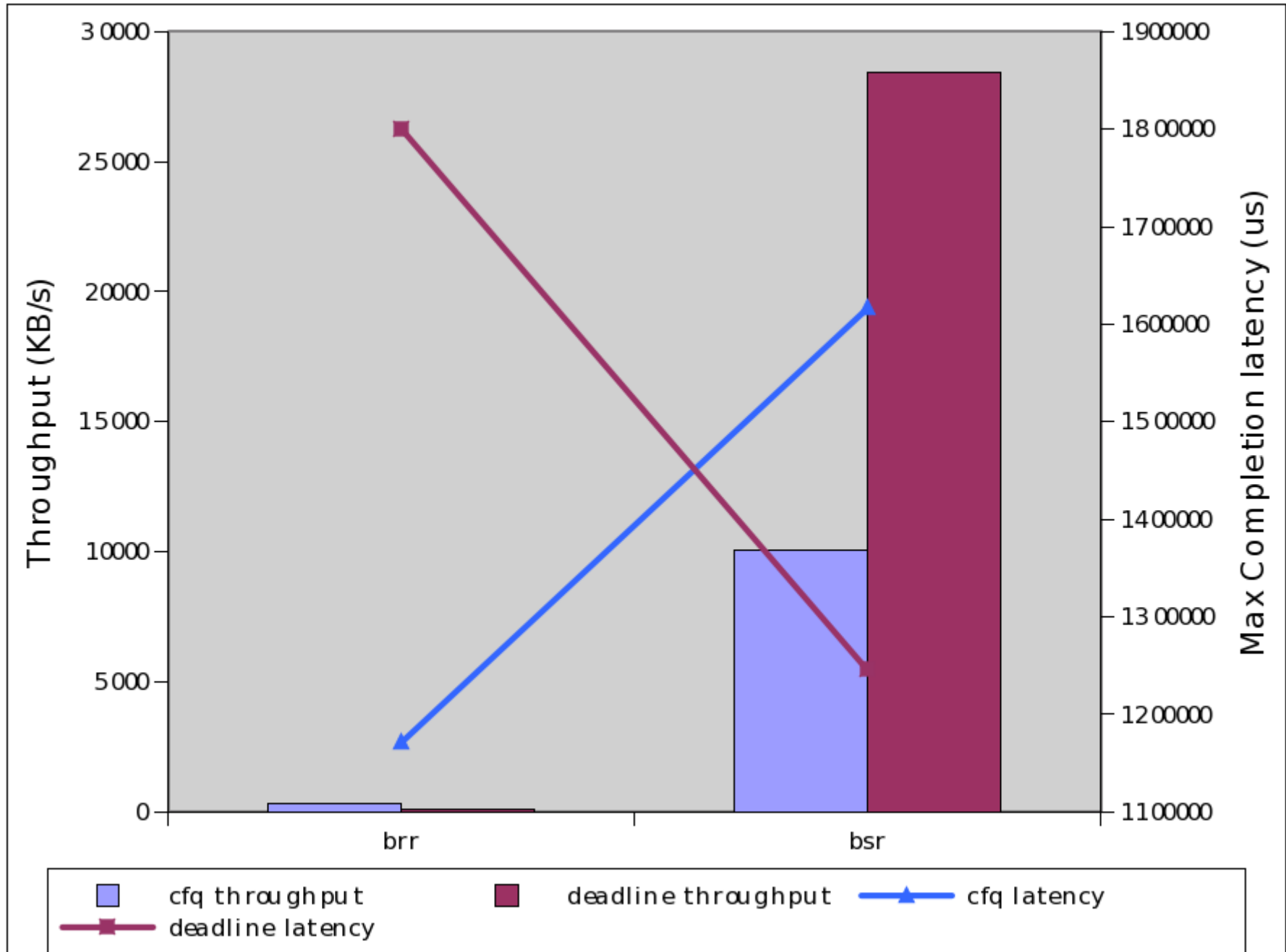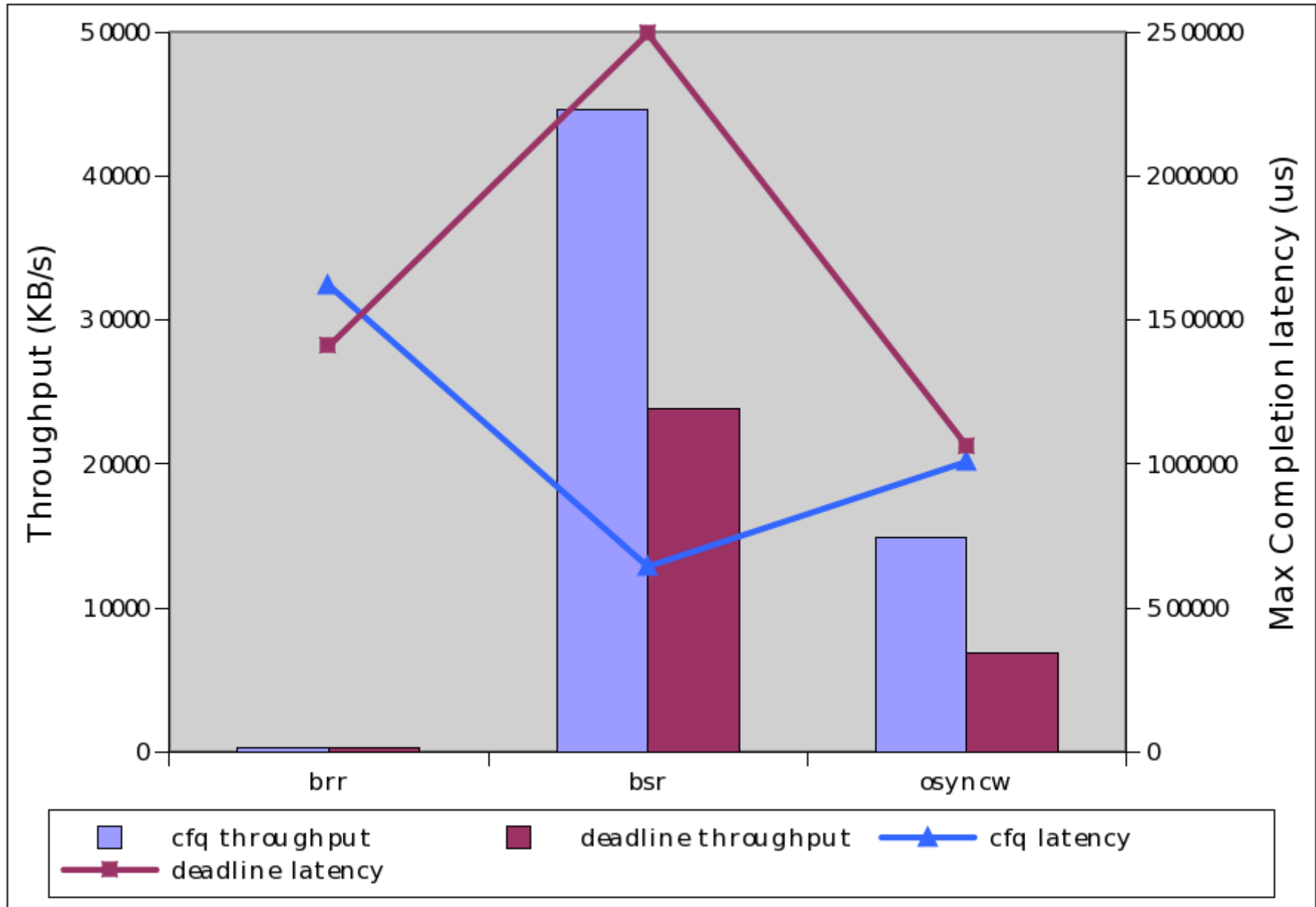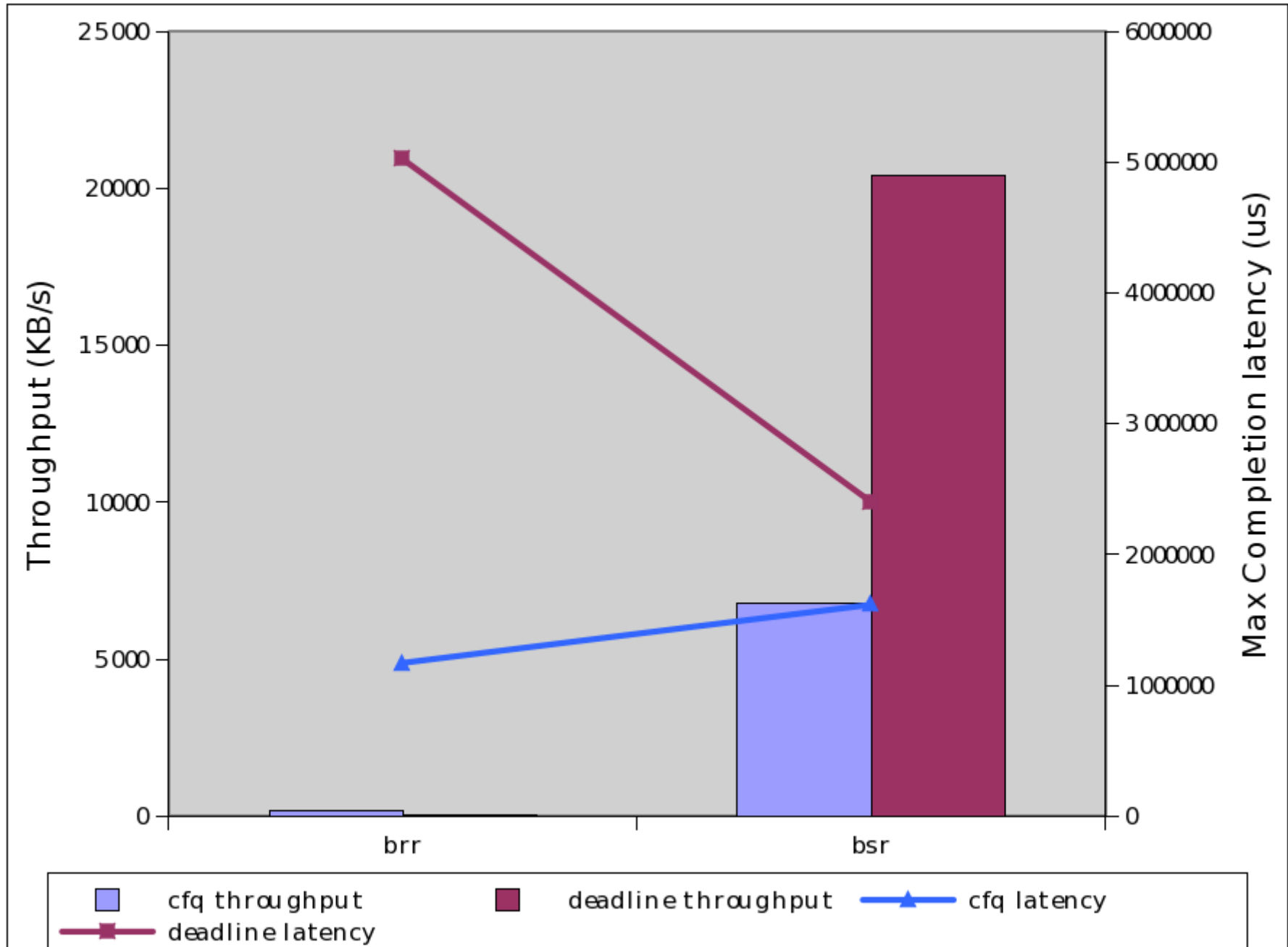
Backup

SATA Disk

Individual Workloads

SATA Disk

Composite Workload (seq + rnd)

SATA Disk

Composite Workload (seq + rnd + bufw)

Legend:
- cfq throughput
- deadline throughput
- cfq latency
- deadline latency

x-axis: brr, bsr, bufw

Left y-axis: Throughput (KB/s) — 0, 5000, 10000, 15000, 20000, 25000, 30000

Right y-axis: Max Completion latency (us) — 0, 5000000, 10000000, 15000000, 20000000, 25000000