time to download first byte, all clients

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Download Time (s)
Y-axis: Cumulative Fraction

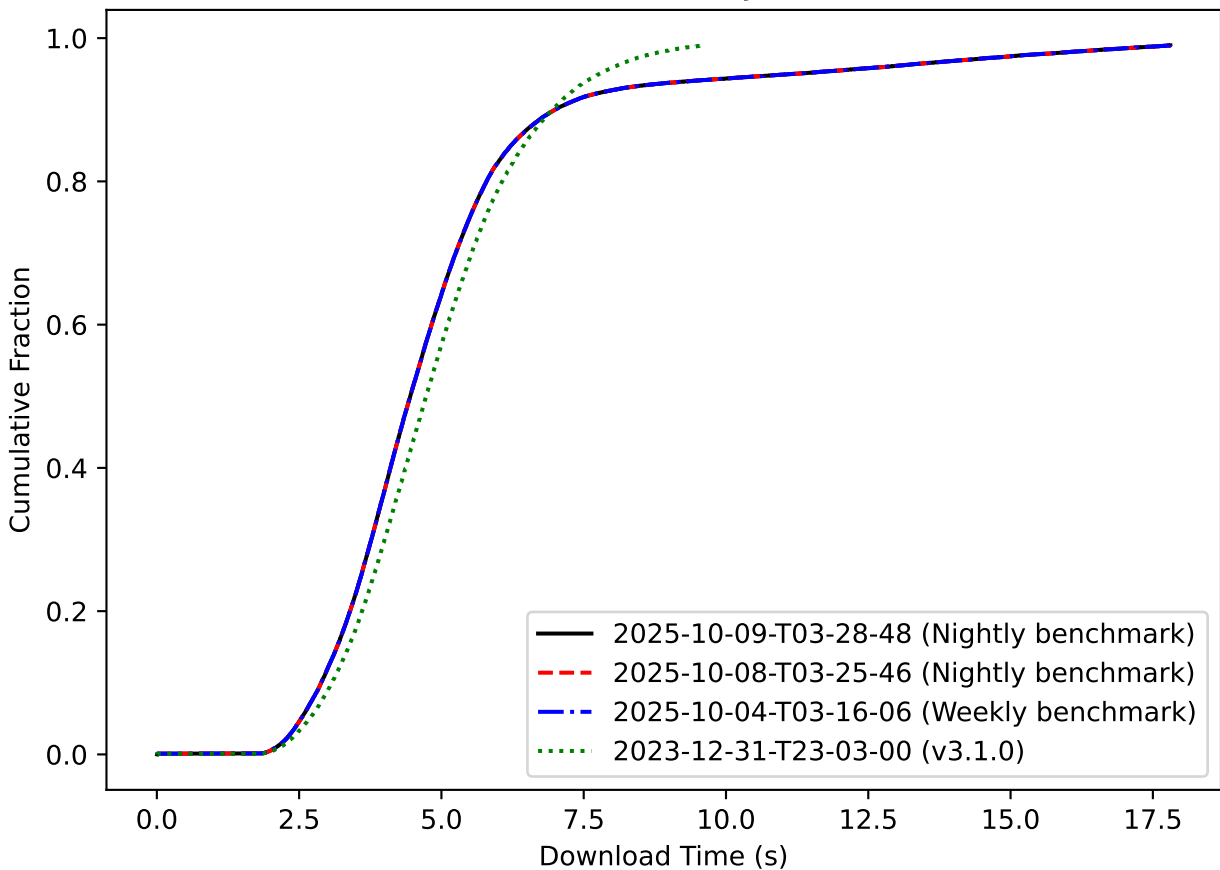moving avg. time to download first byte, all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)
Y-axis: Download Time (s)

moving avg. time to download first of 1048576 bytes, all clients over tim

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

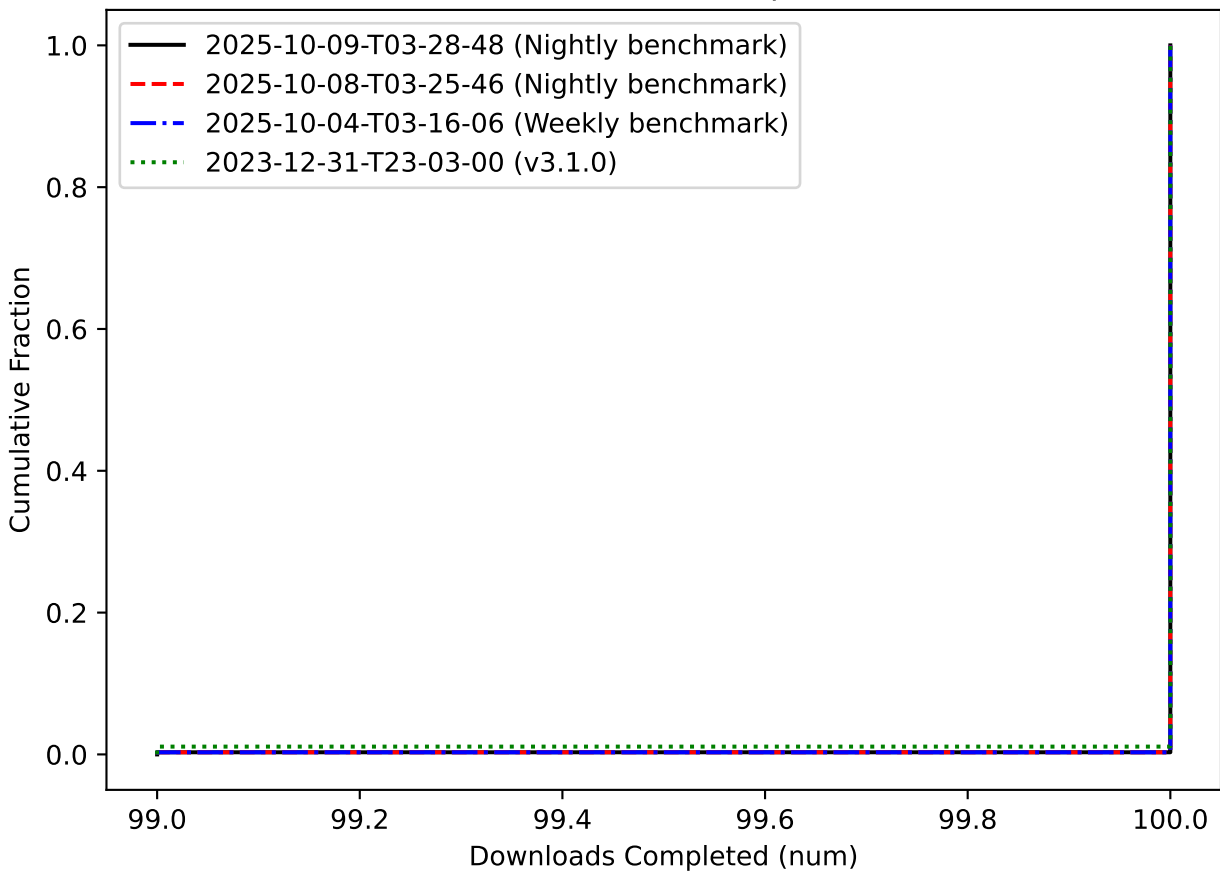Y-axis: Download Time (s)
X-axis: Tick (s)
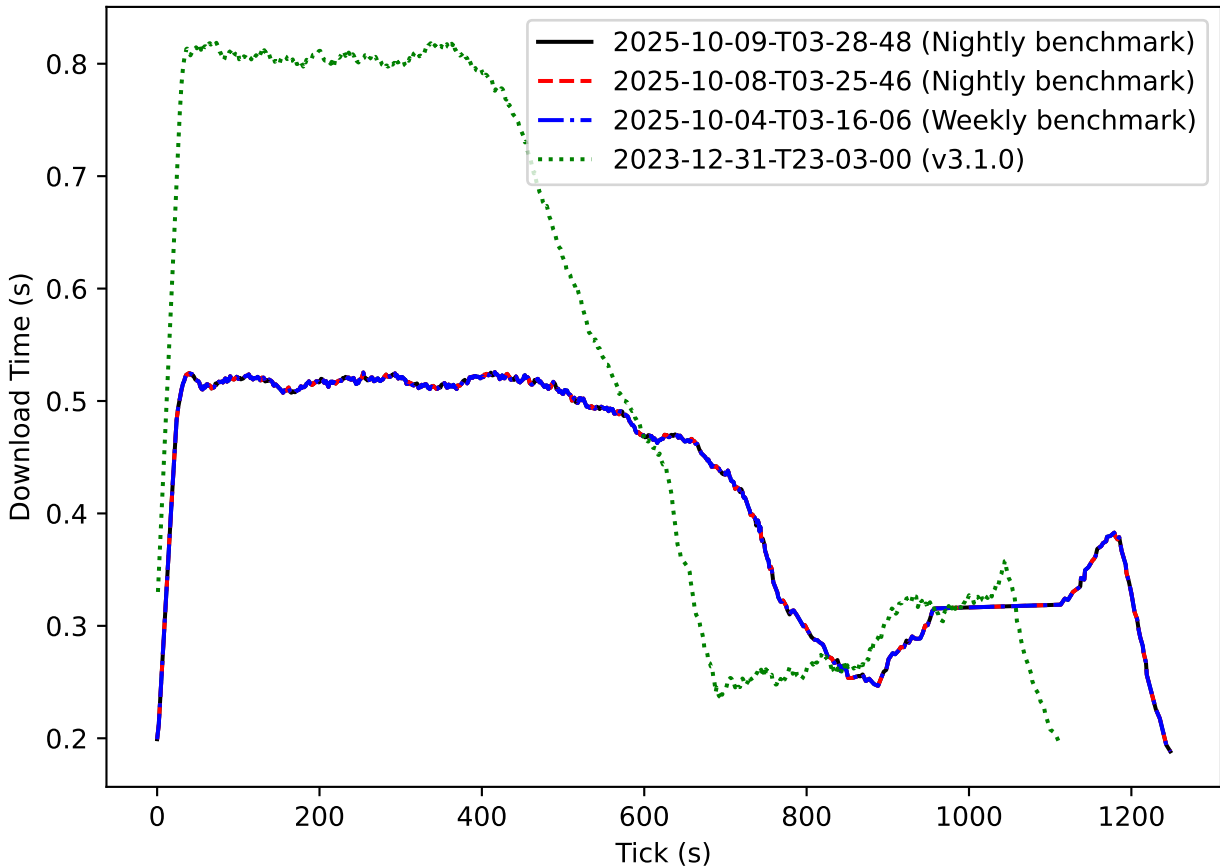
time to download 1048576 bytes, all downloads

moving avg. time to download last of 1048576 bytes, all clients over time

Download Time (s) vs Tick (s)
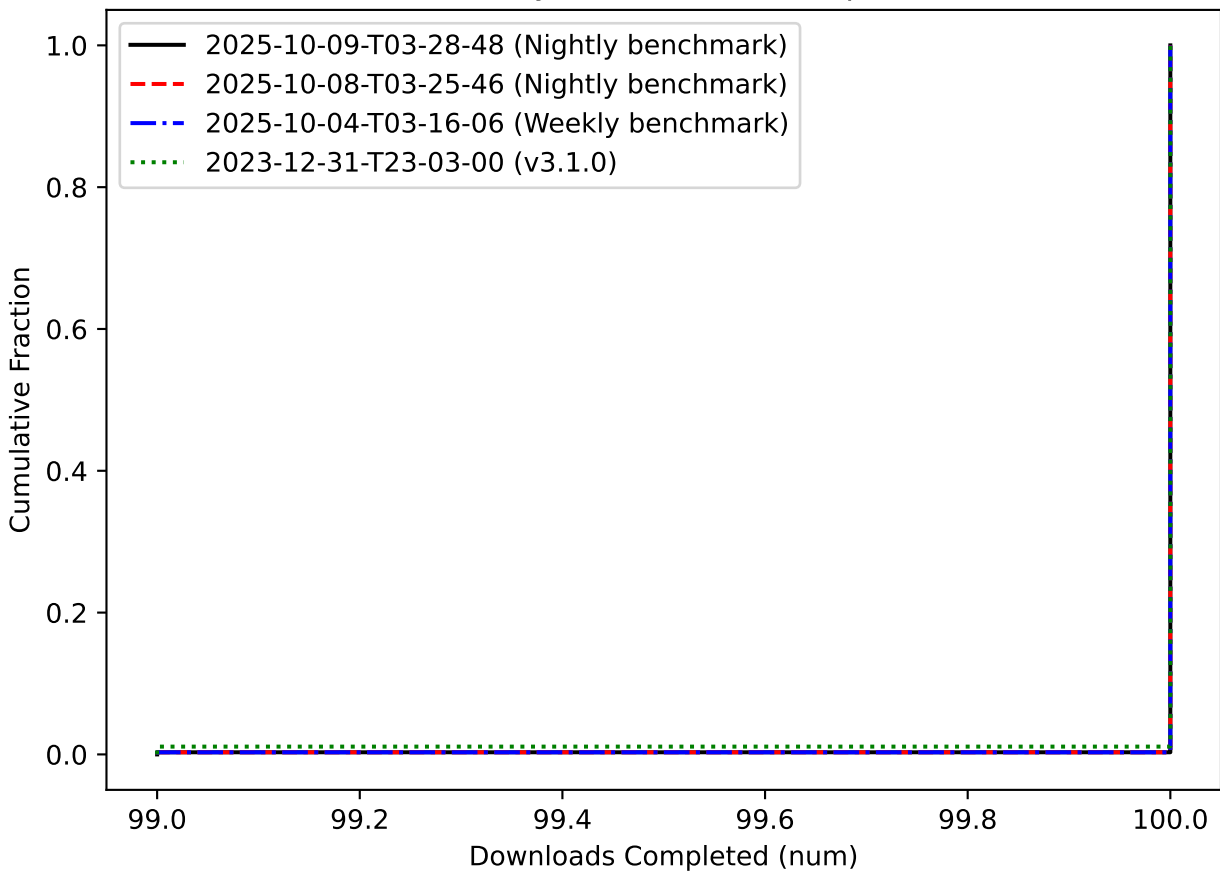
Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
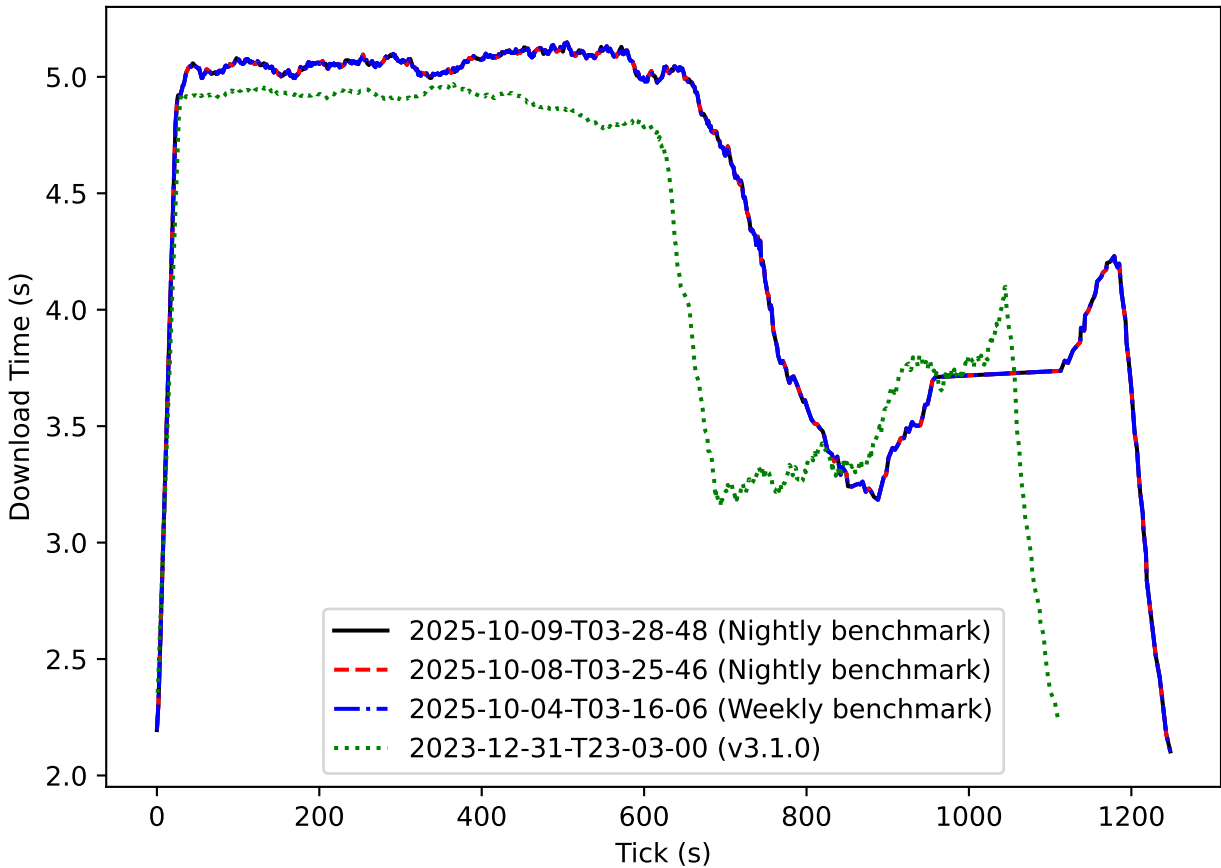
number of total downloads completed, each client

moving avg. number of downloads completed, all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
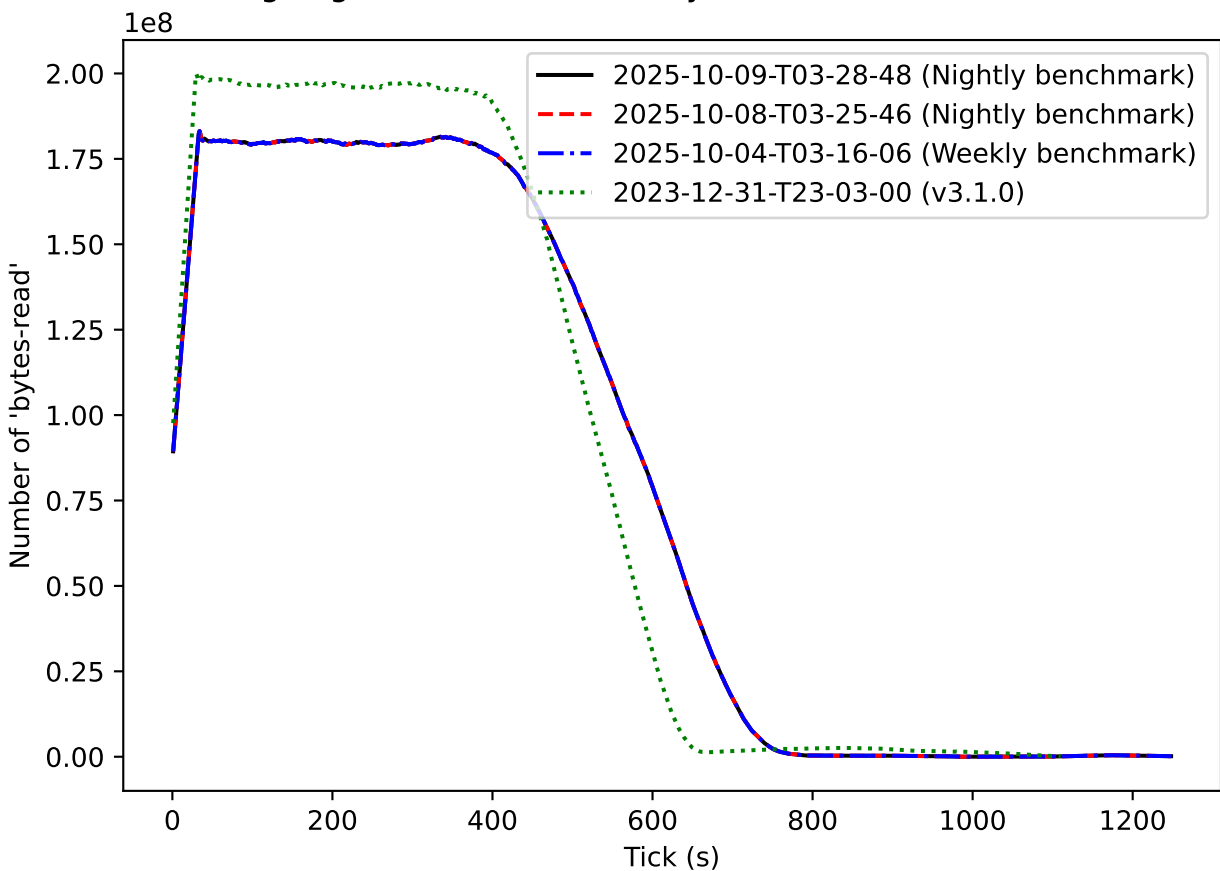
Y-axis: Downloads Completed (num)
X-axis: Tick (s)
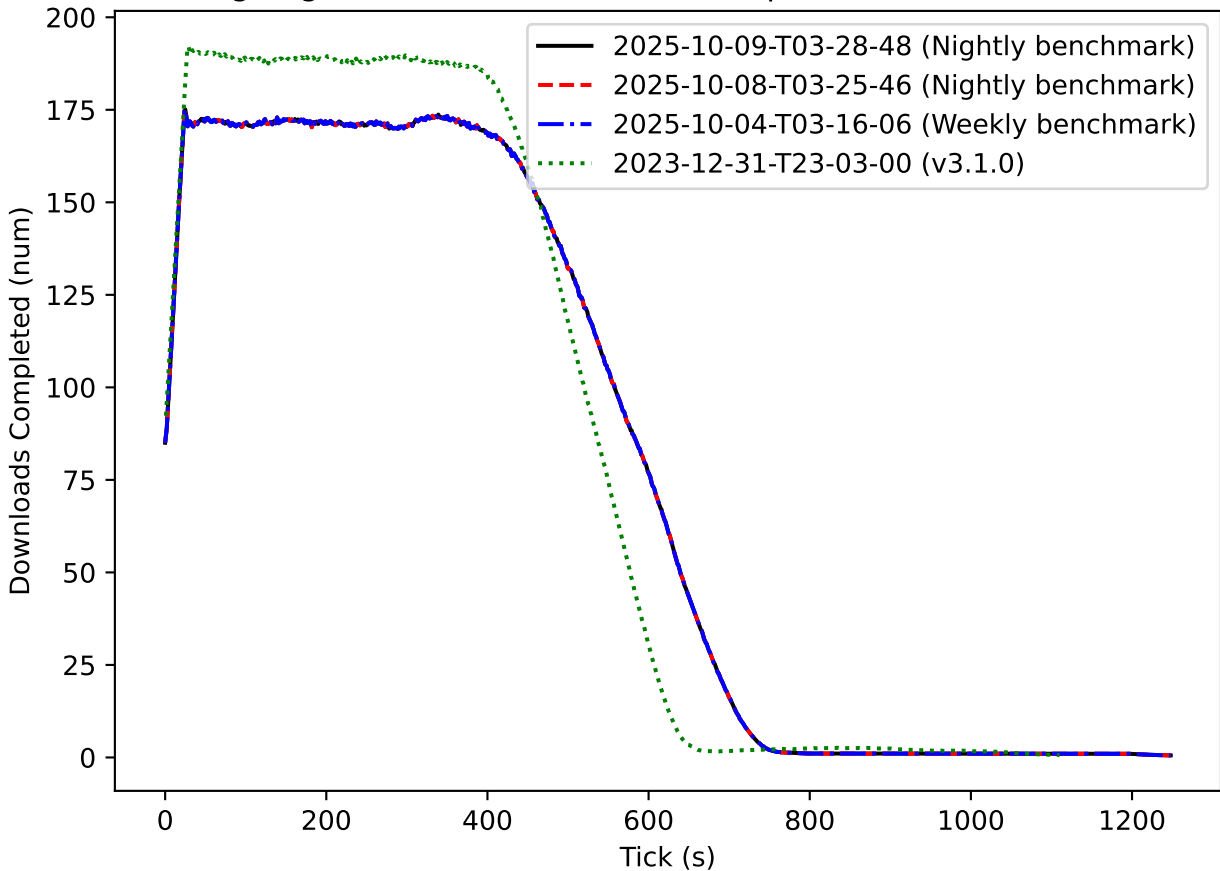
number of 1048576 byte downloads completed, each client

moving avg. num. 1048576 byte downloads completed, all clients over ti

Legend
2025-10-09-T03-28-48 (Nightly benchmark)
2025-10-08-T03-25-46 (Nightly benchmark)
2025-10-04-T03-16-06 (Weekly benchmark)
2023-12-31-T23-03-00 (v3.1.0)
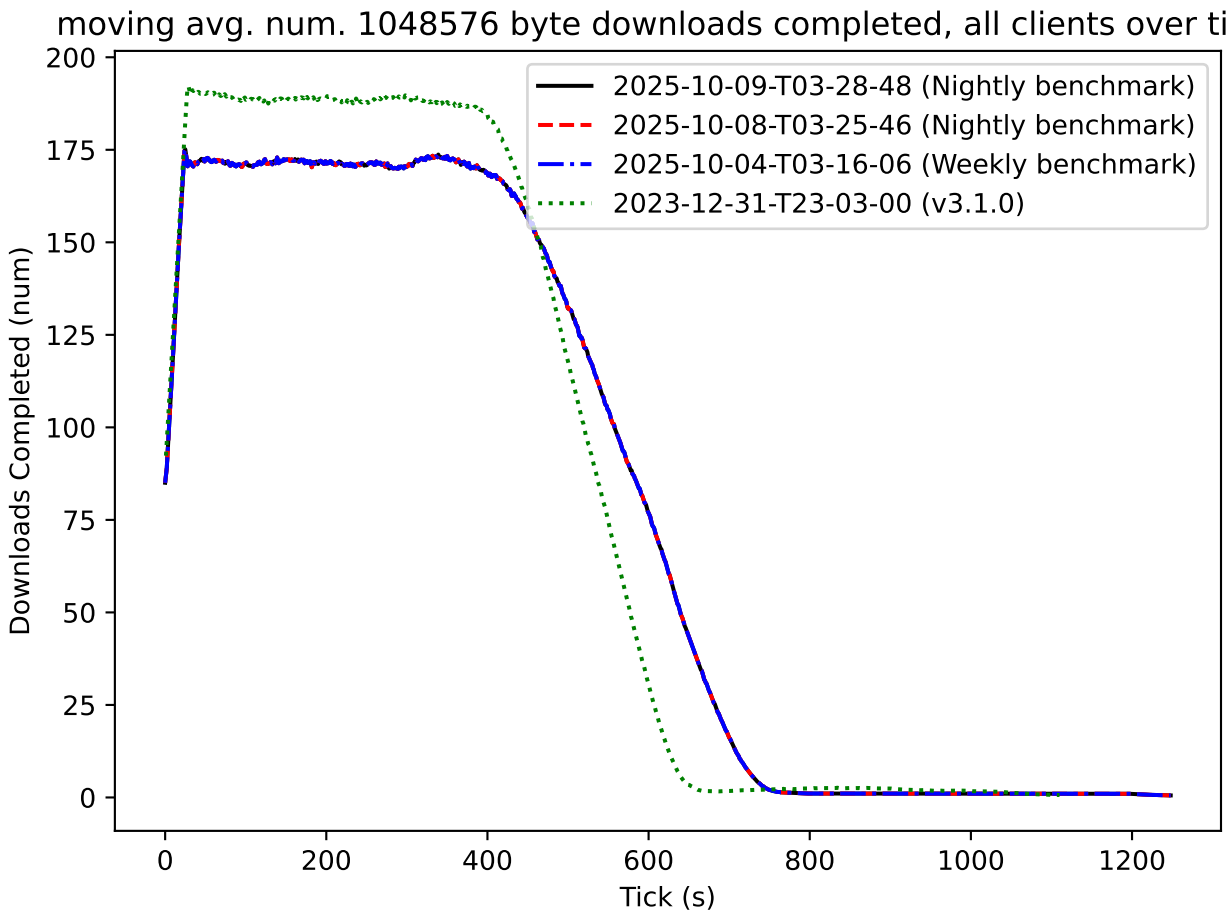
moving avg. sum of heartbeat 'bytes-read', all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

moving avg. sum of heartbeat 'bytes-written', all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
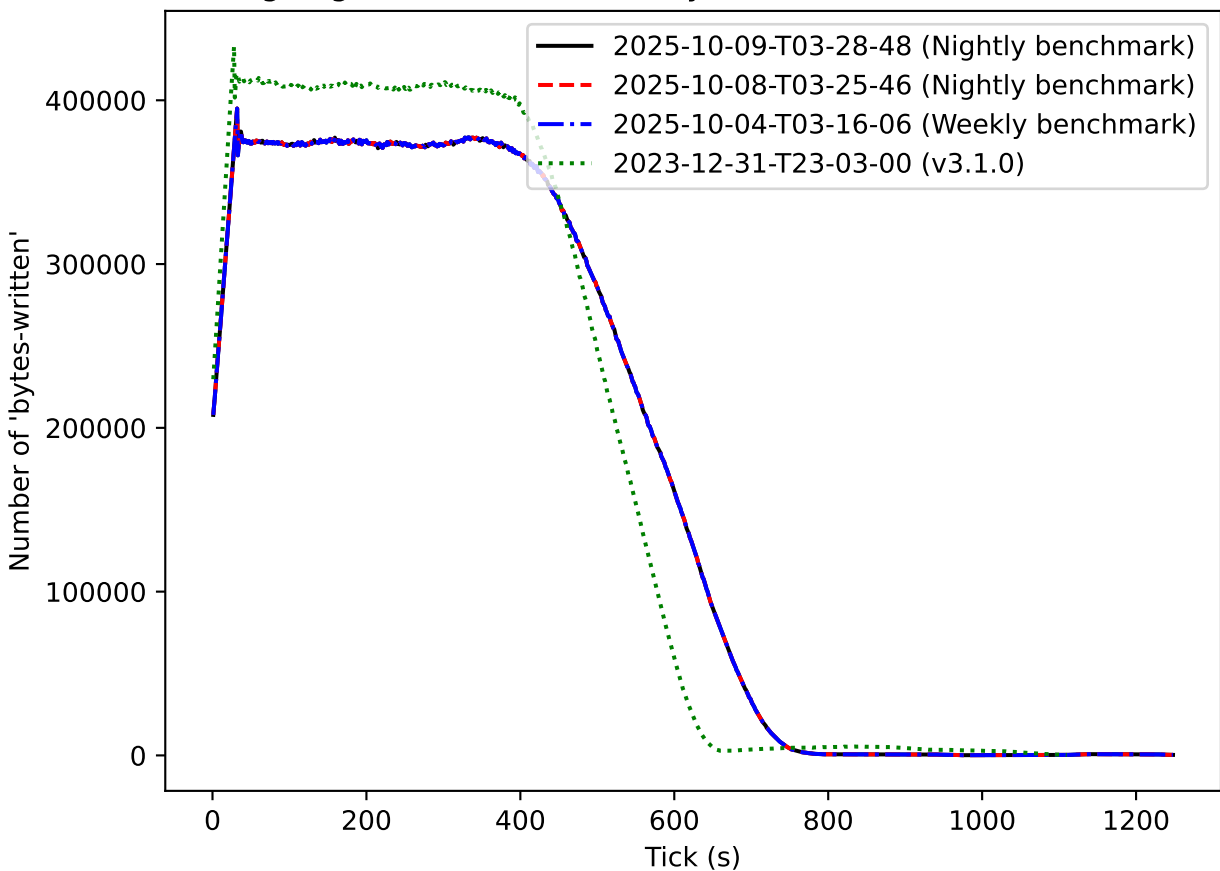
Y-axis: Number of 'bytes-written'
X-axis: Tick (s)

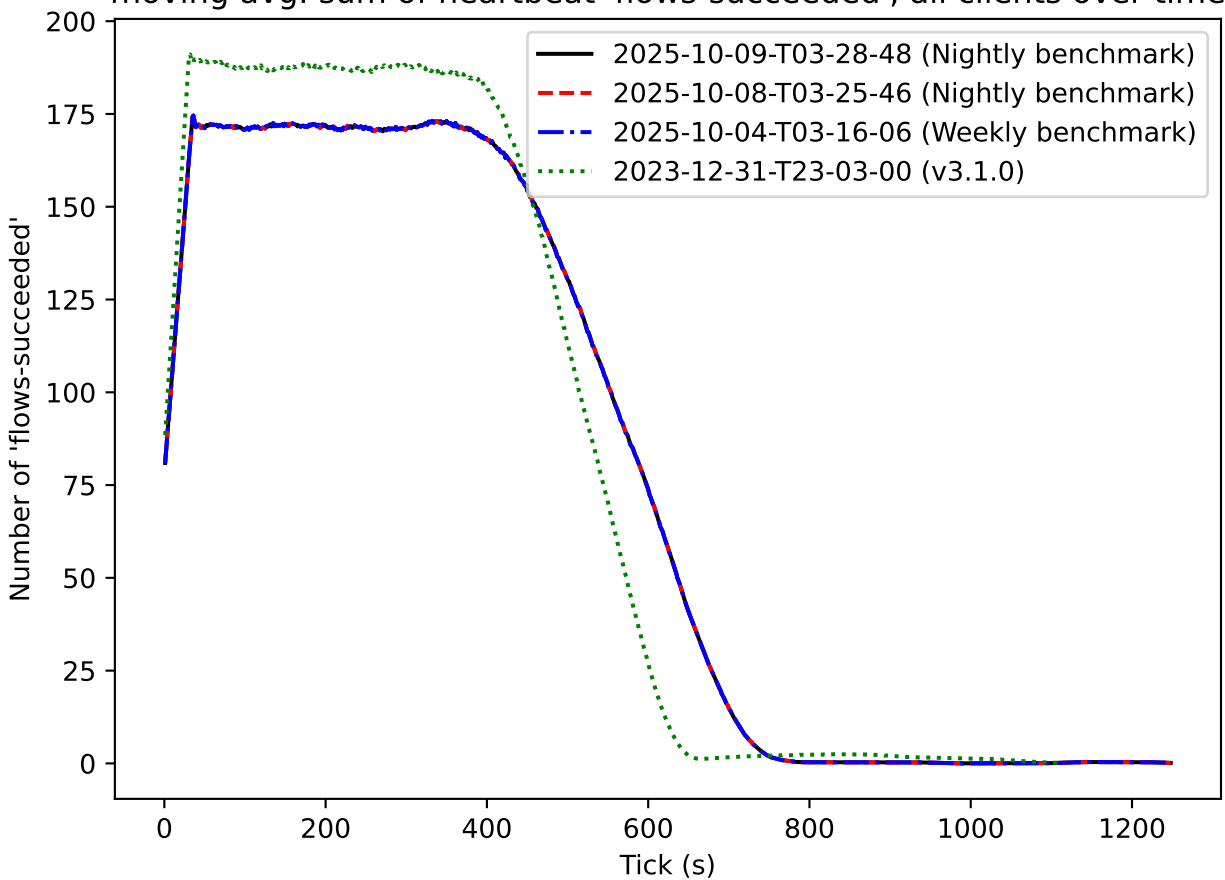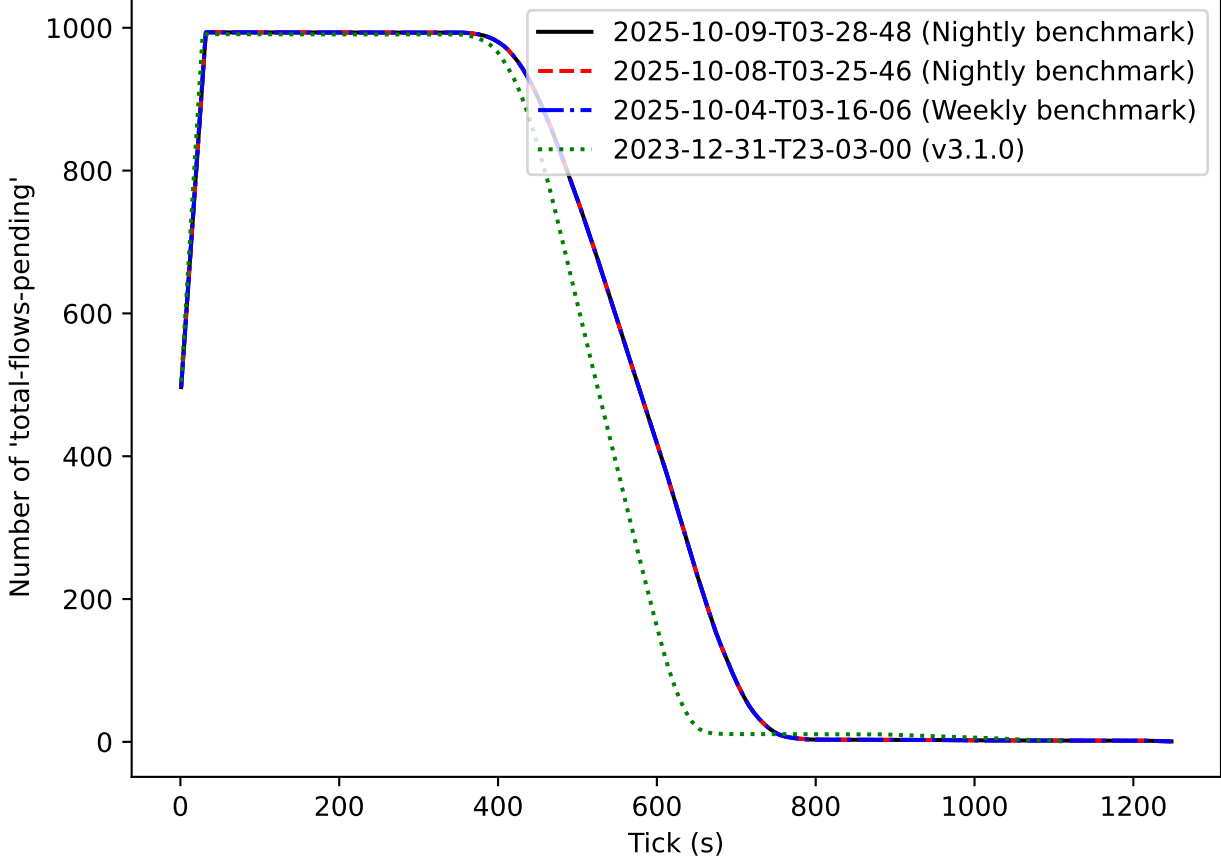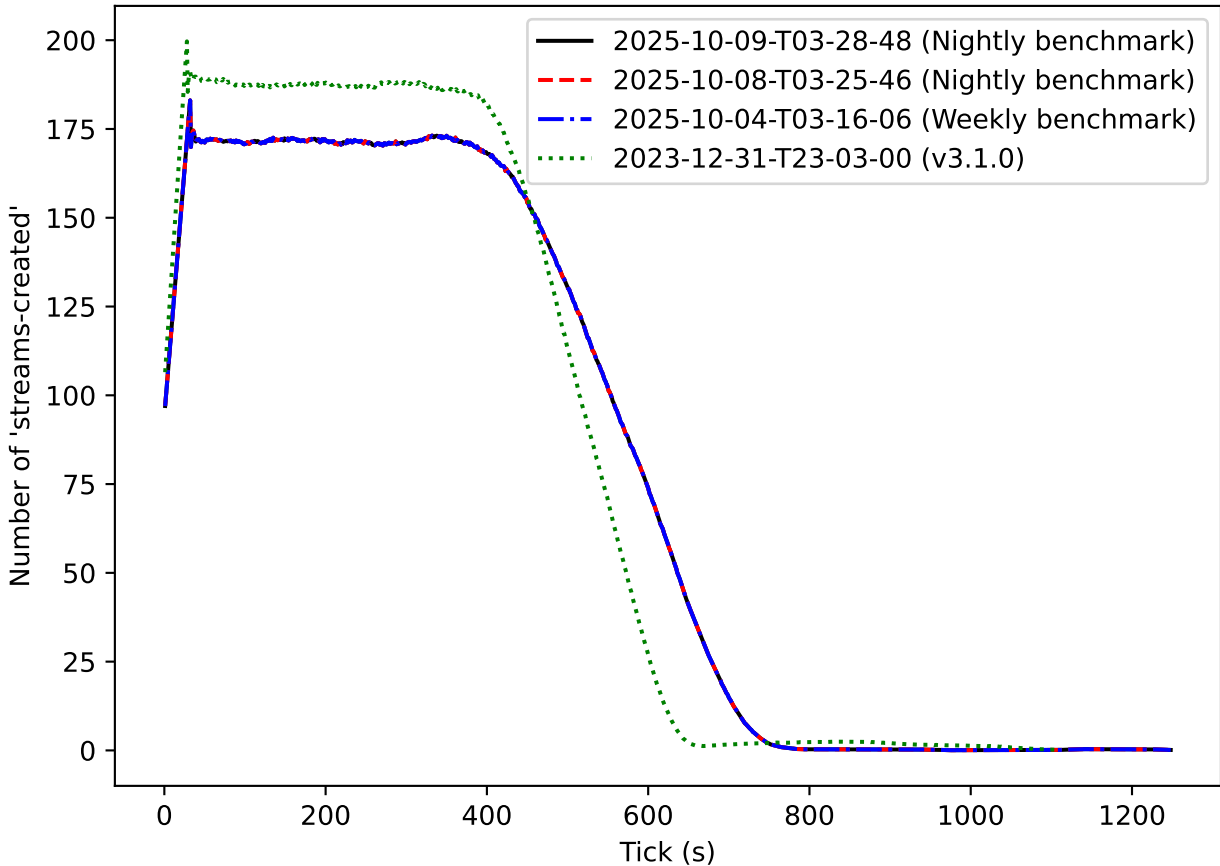moving avg. sum of heartbeat 'flows-created', all clients over time
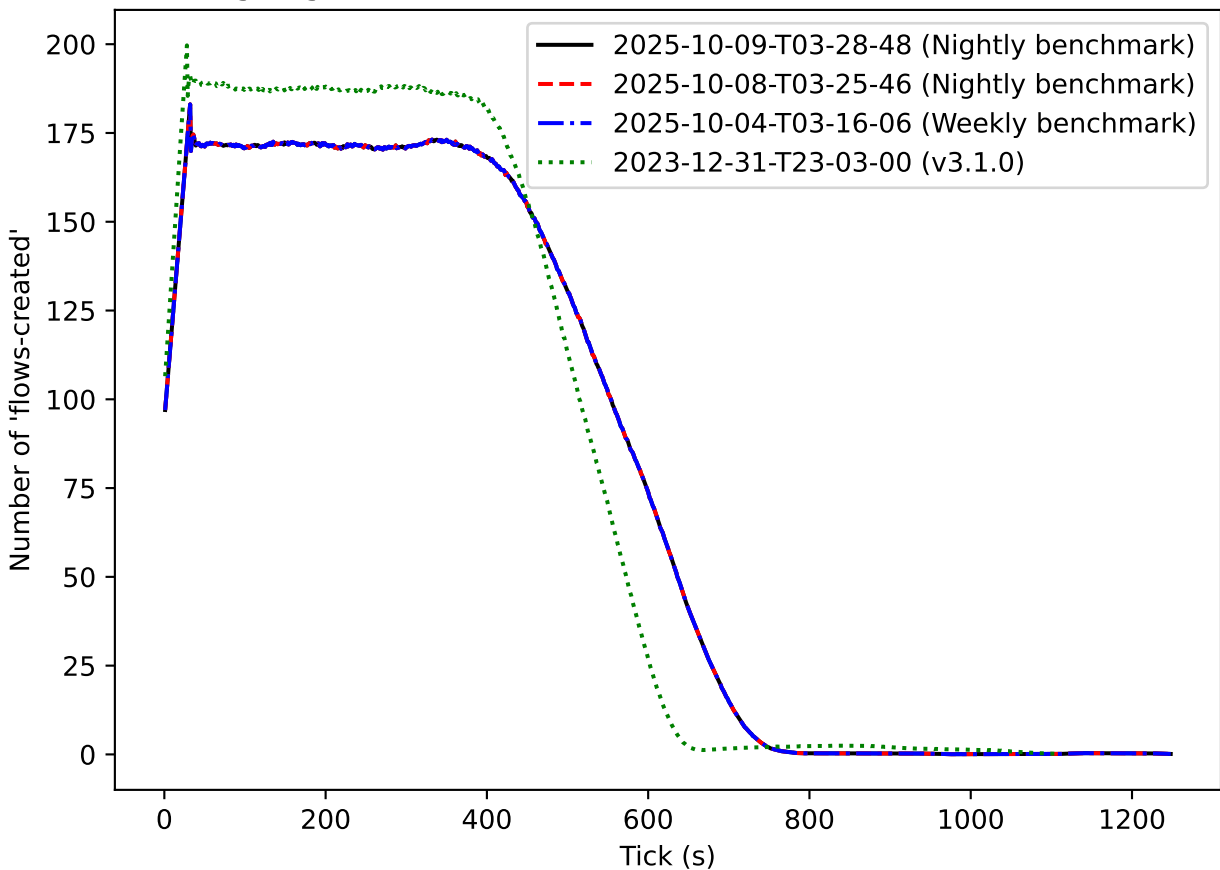
moving avg. sum of heartbeat 'flows-succeeded', all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
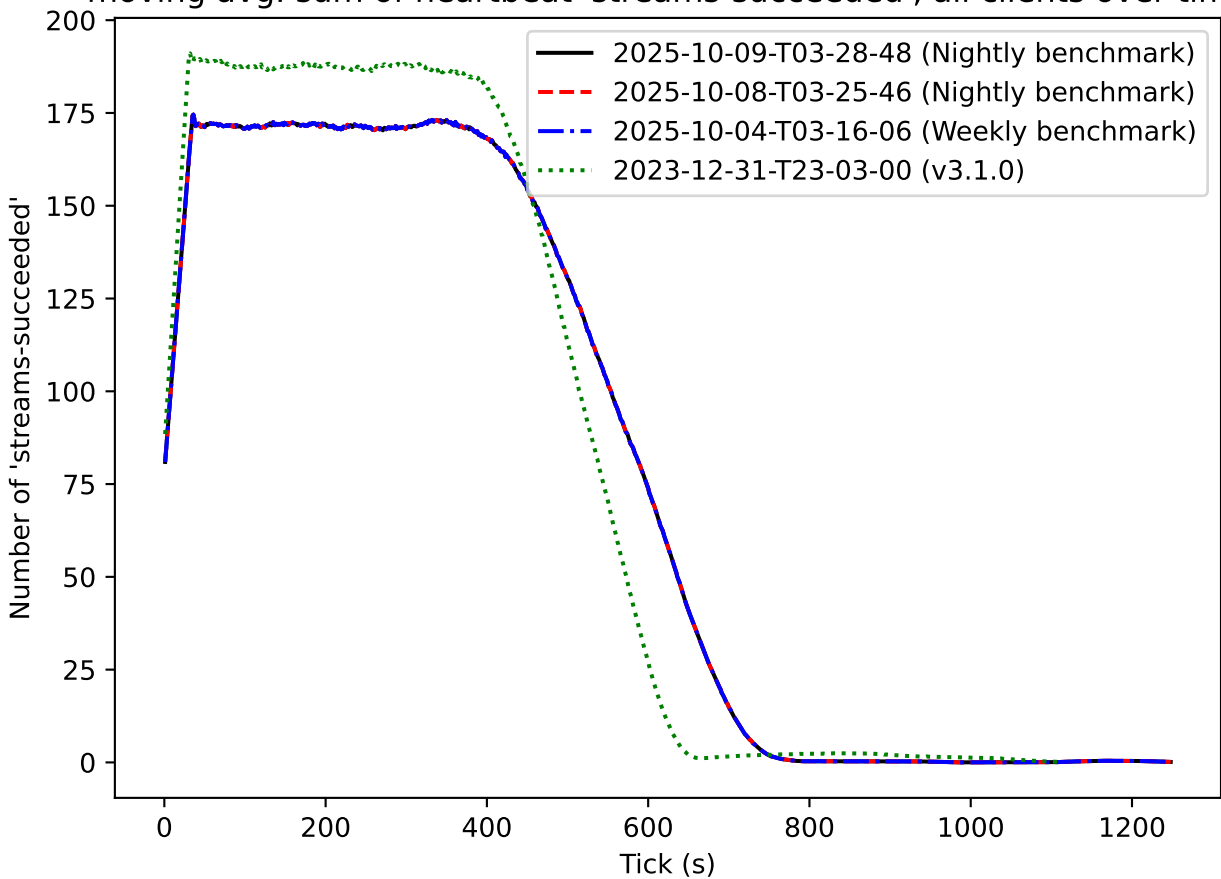
X-axis: Tick (s)
Y-axis: Number of 'flows-succeeded'

moving avg. sum of heartbeat 'total-flows-pending', all clients over time

moving avg. sum of heartbeat 'streams-created', all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

Y-axis: Number of 'streams-created'
X-axis: Tick (s)
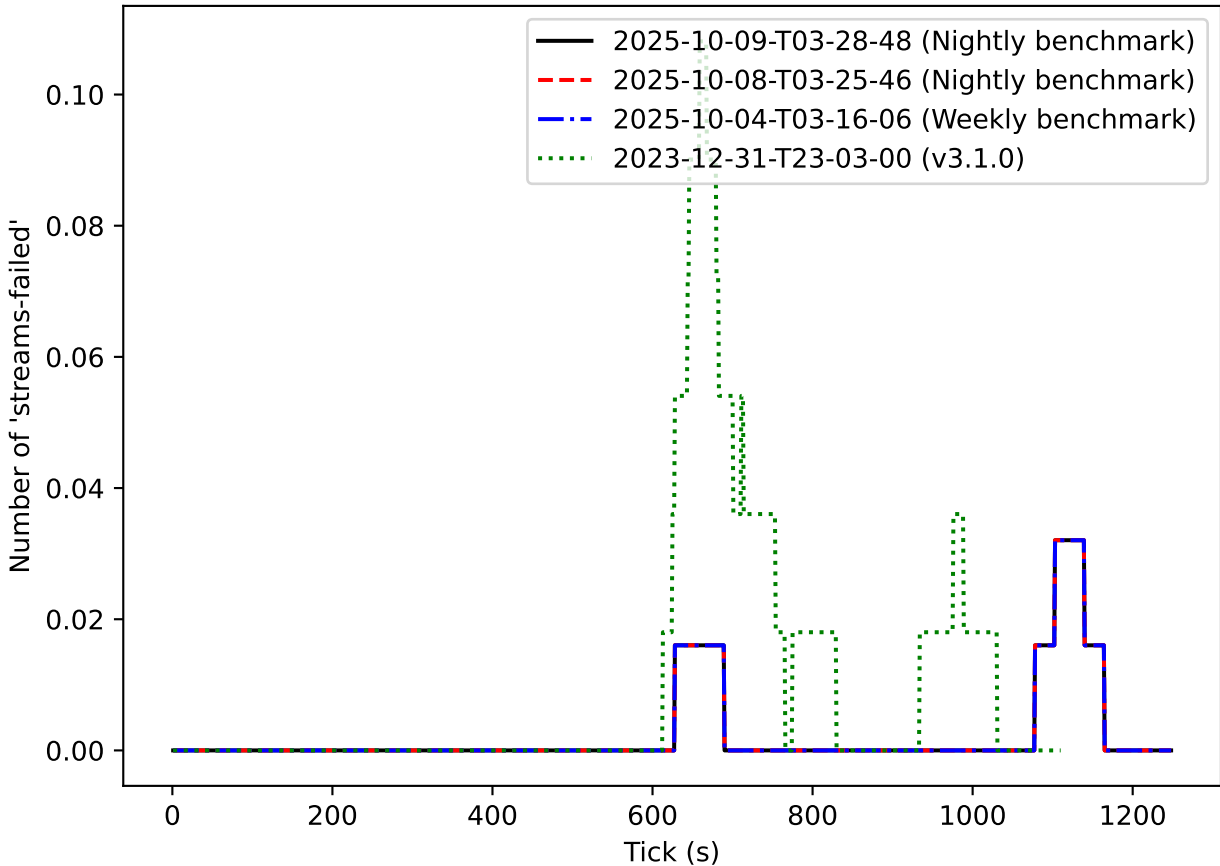
moving avg. sum of heartbeat 'streams-succeeded', all clients over tim

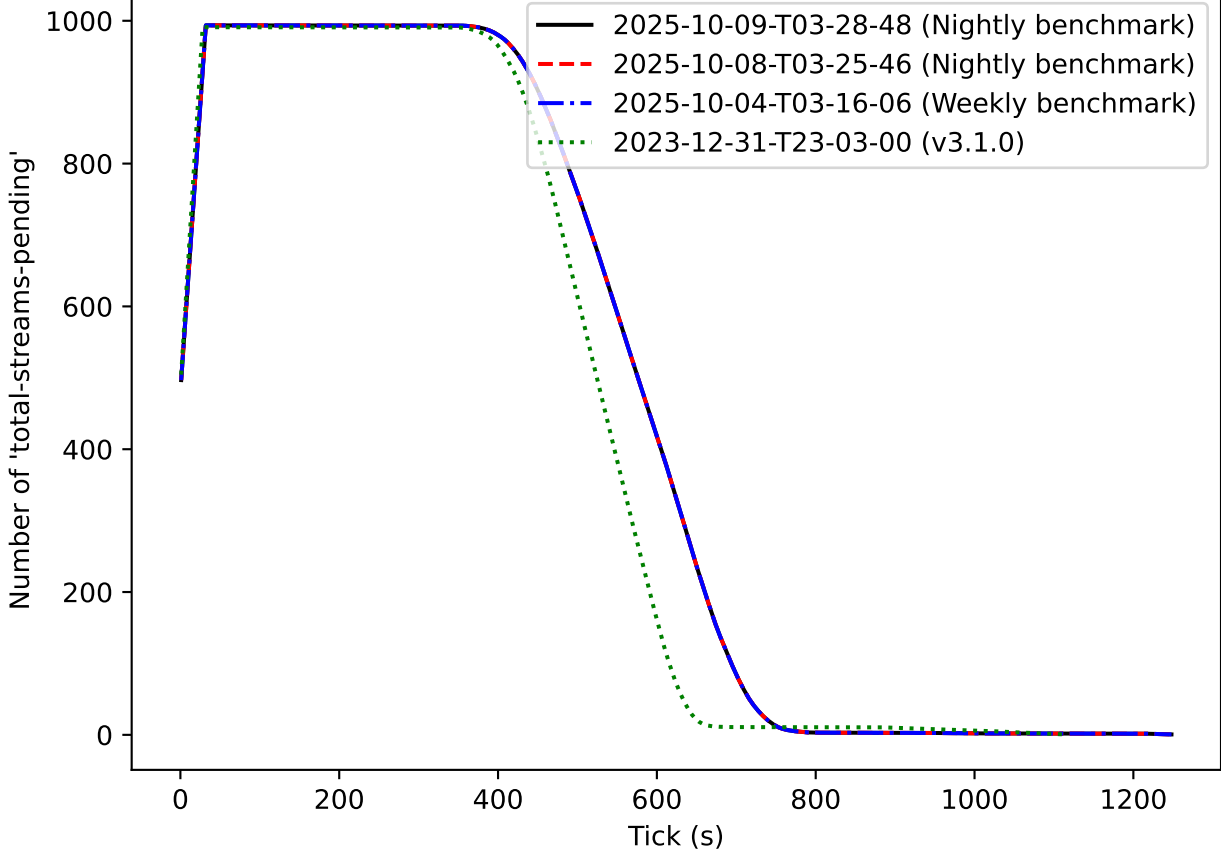moving avg. sum of heartbeat 'streams-failed', all clients over time

Legend:
- 2025-10-09-T03-28-48 (Nightly benchmark)
- 2025-10-08-T03-25-46 (Nightly benchmark)
- 2025-10-04-T03-16-06 (Weekly benchmark)
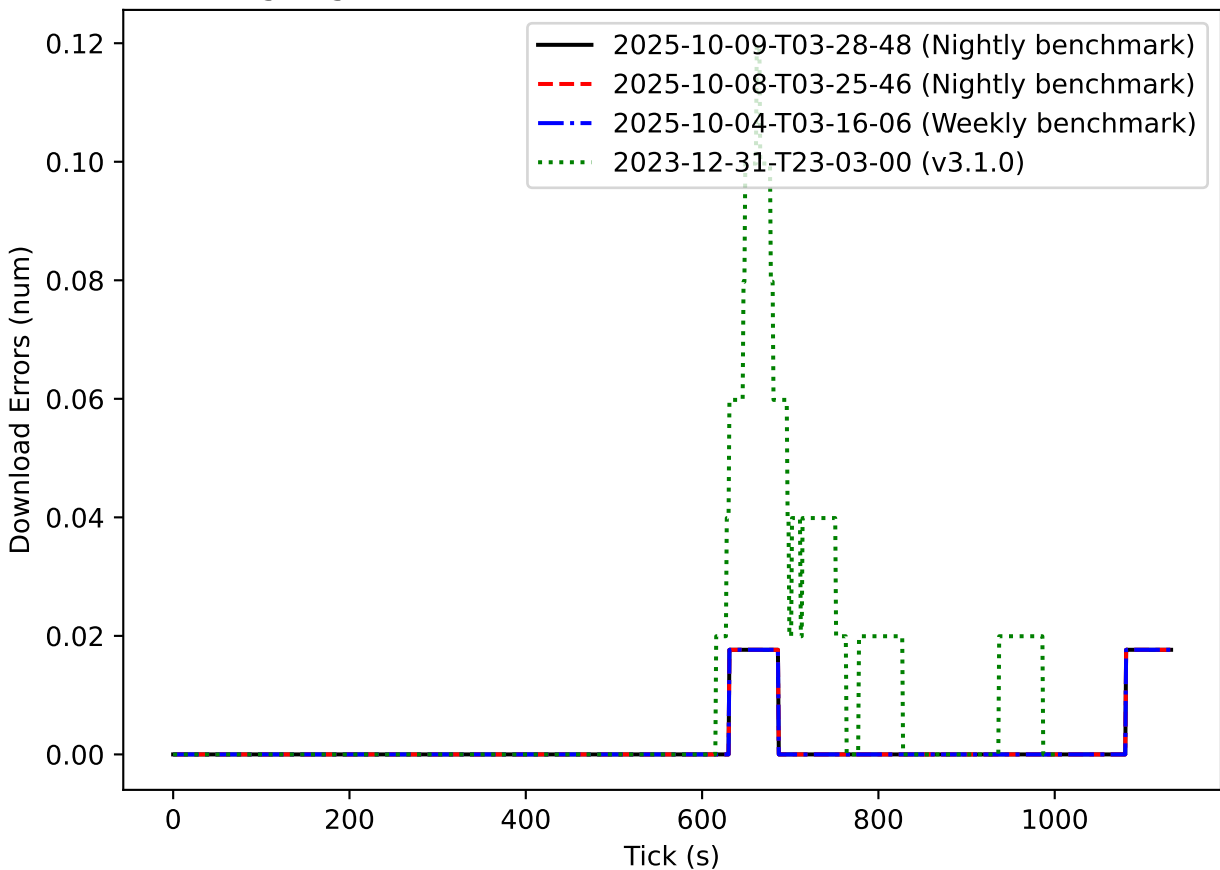- 2023-12-31-T23-03-00 (v3.1.0)

Y-axis: Number of 'streams-failed'
X-axis: Tick (s)

moving avg. sum of heartbeat 'total-streams-pending', all clients over ti

number of transfer TIMEOUT errors, each client

Cumulative Fraction vs. Download Errors (num)

Legend: ⋯⋯ 2023-12-31-T23-03-00 (v3.1.0)

moving avg. num. transfer TIMEOUT errors, all clients over time

bytes transferred before TIMEOUT error, all downloads

Legend
2025-10-09-T03-28-48 (Nightly benchmark)
2025-10-08-T03-25-46 (Nightly benchmark)
2025-10-04-T03-16-06 (Weekly benchmark)
2023-12-31-T23-03-00 (v3.1.0)