time to download first byte, all clients

- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
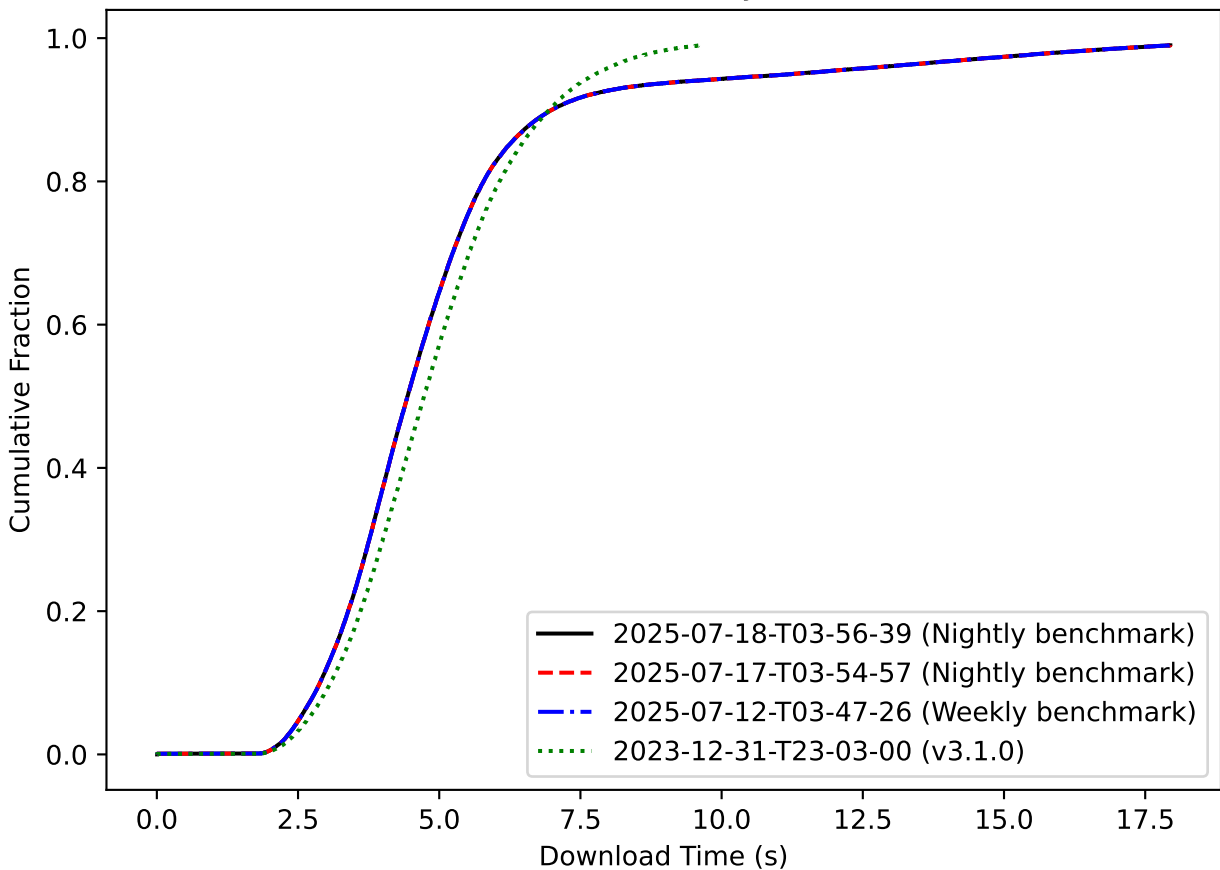- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
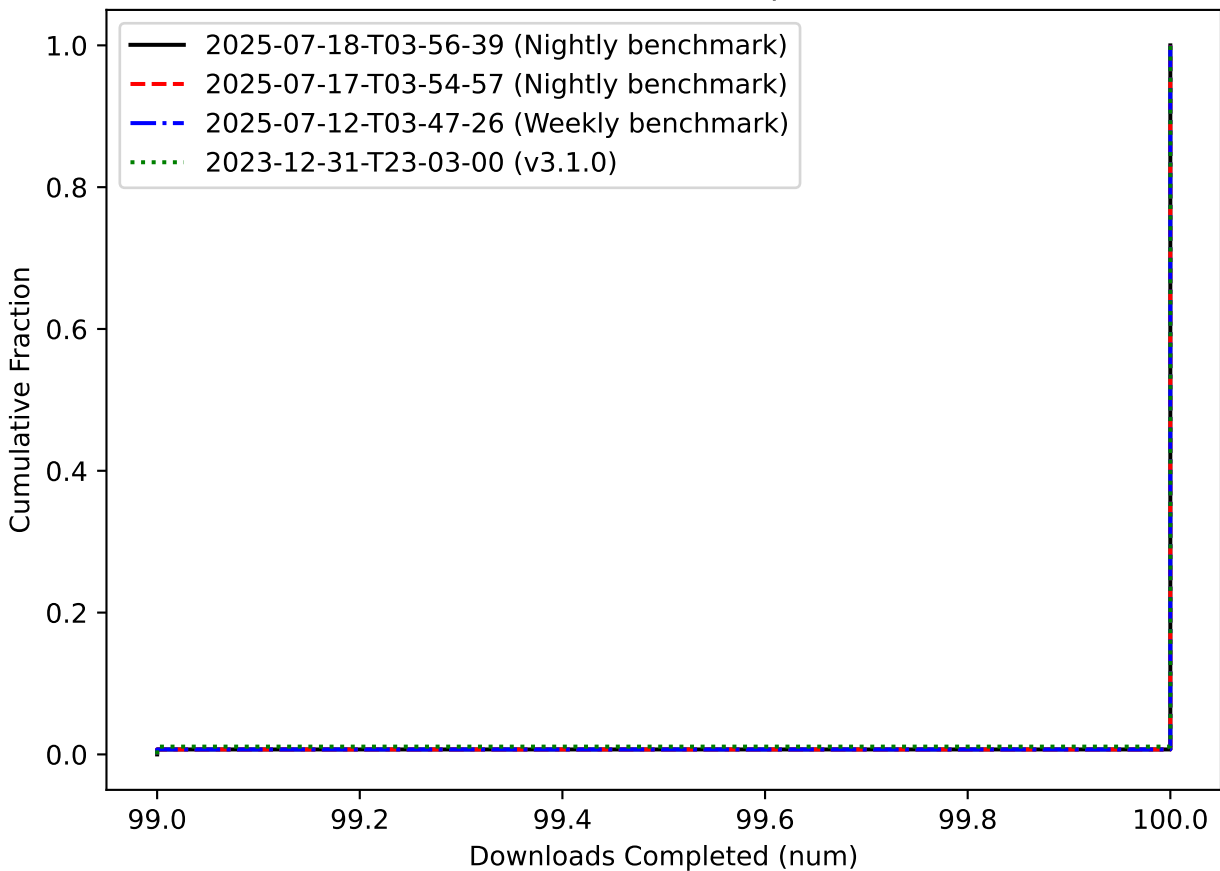- 2023-12-31-T23-03-00 (v3.1.0)

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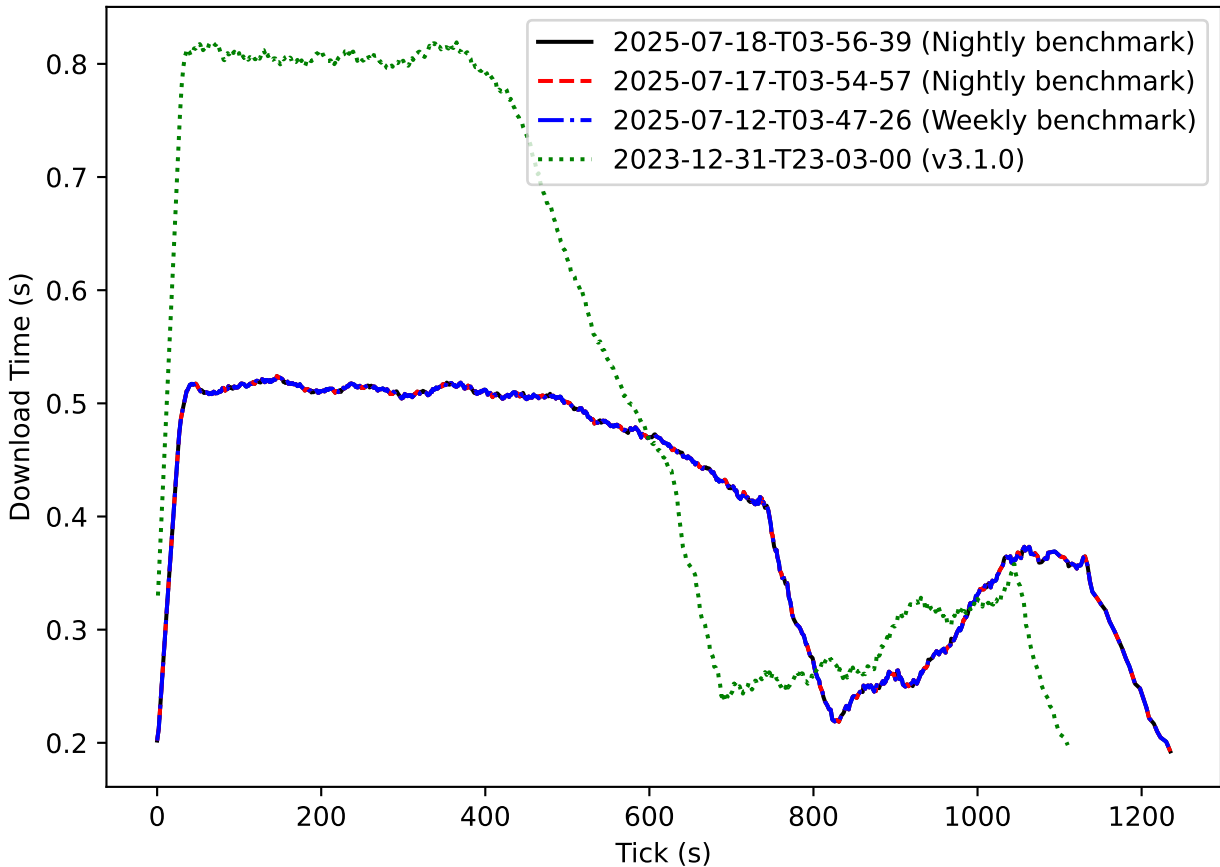
time to download 1048576 bytes, all downloads

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

- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
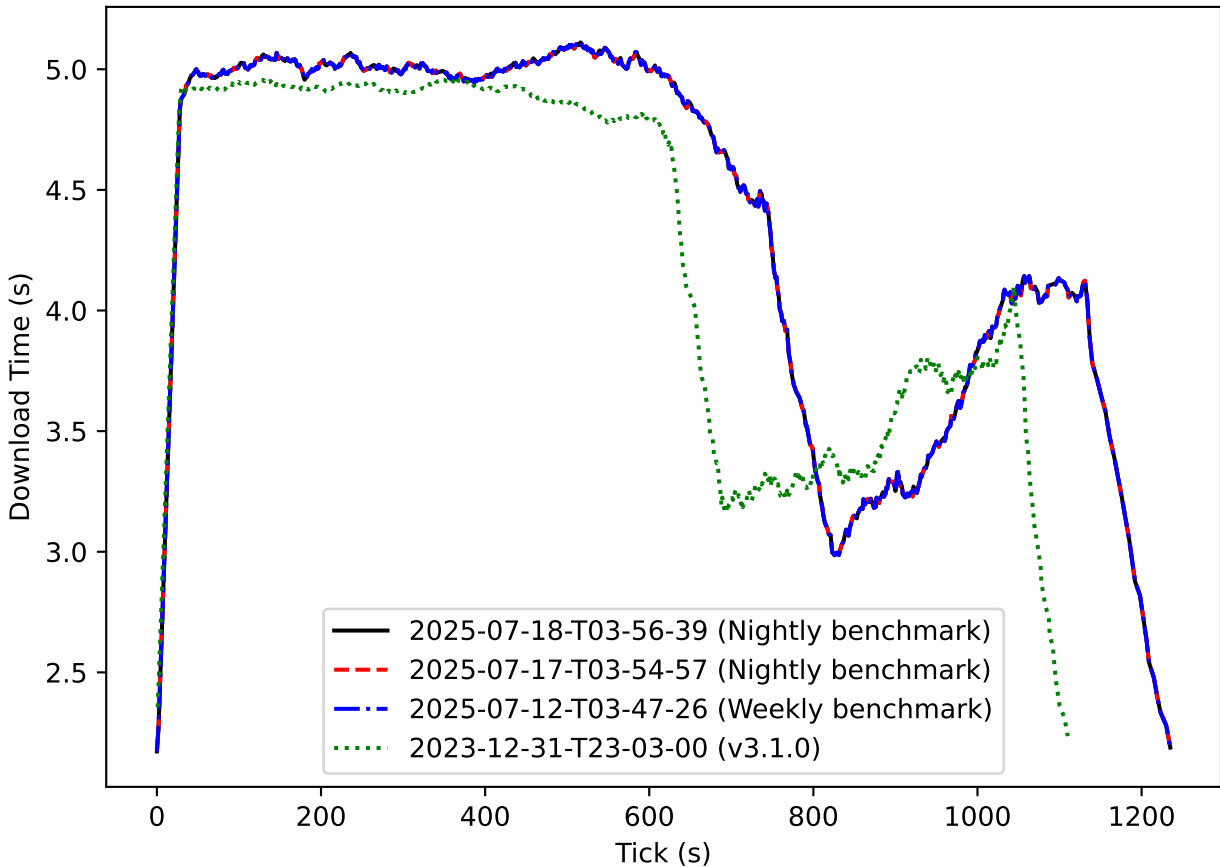
number of total downloads completed, each client

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
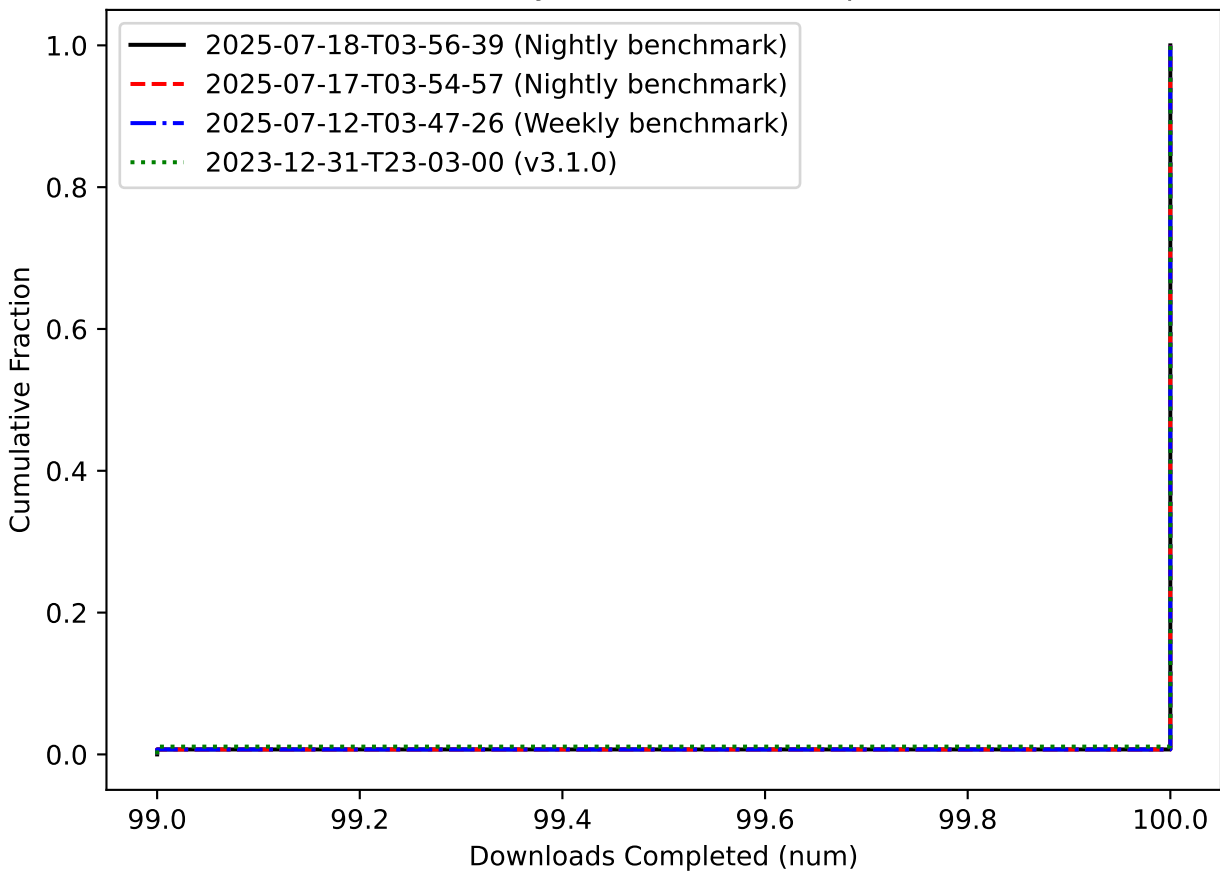- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)
Y-axis: Downloads Completed (num)
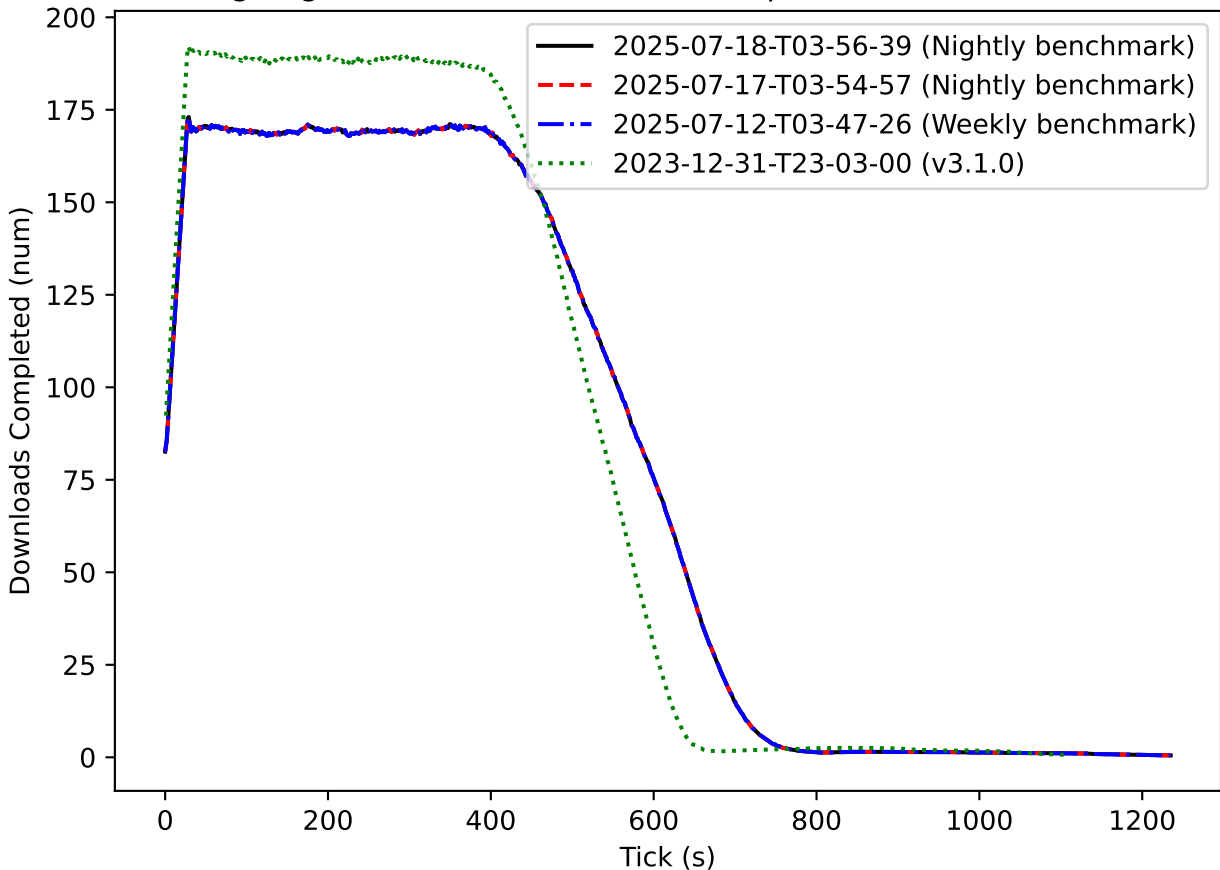
number of 1048576 byte downloads completed, each client

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

Y-axis: Downloads Completed (num)
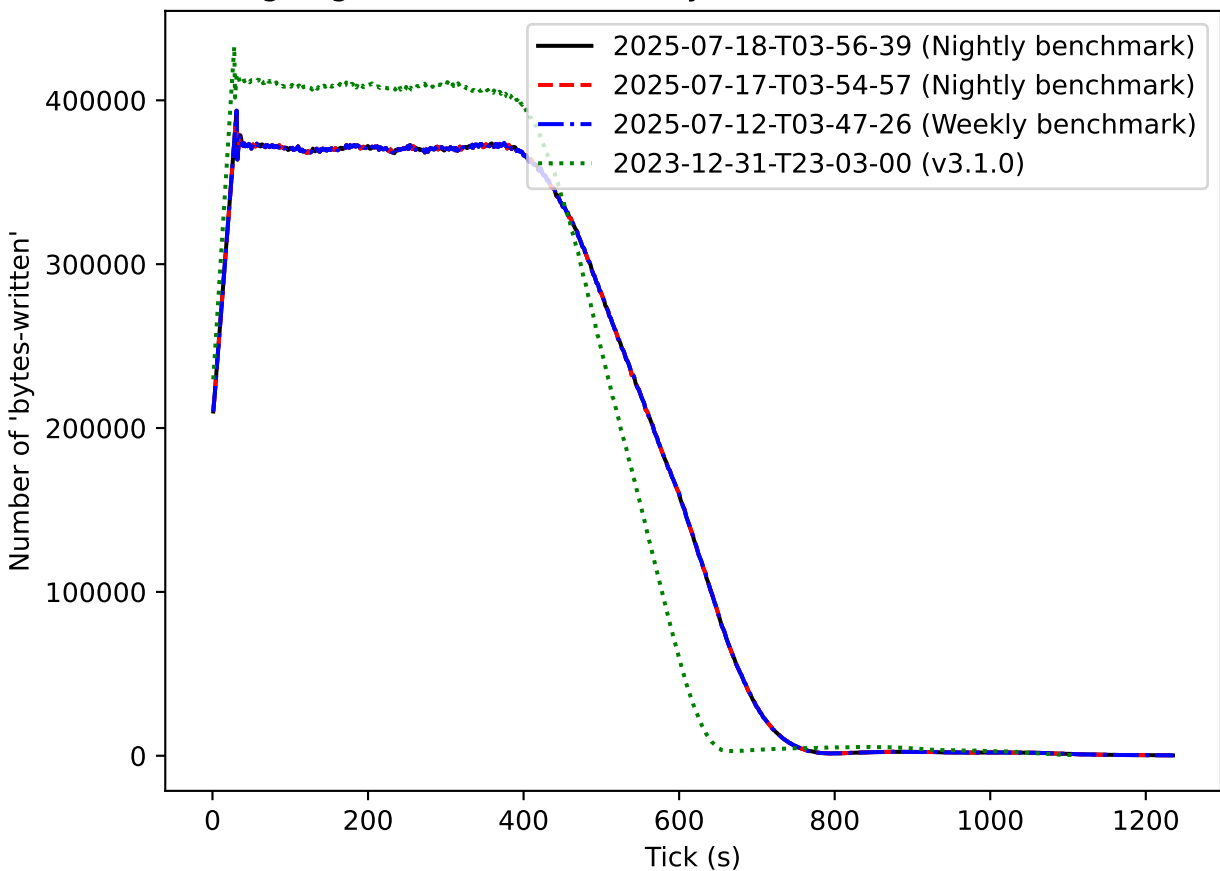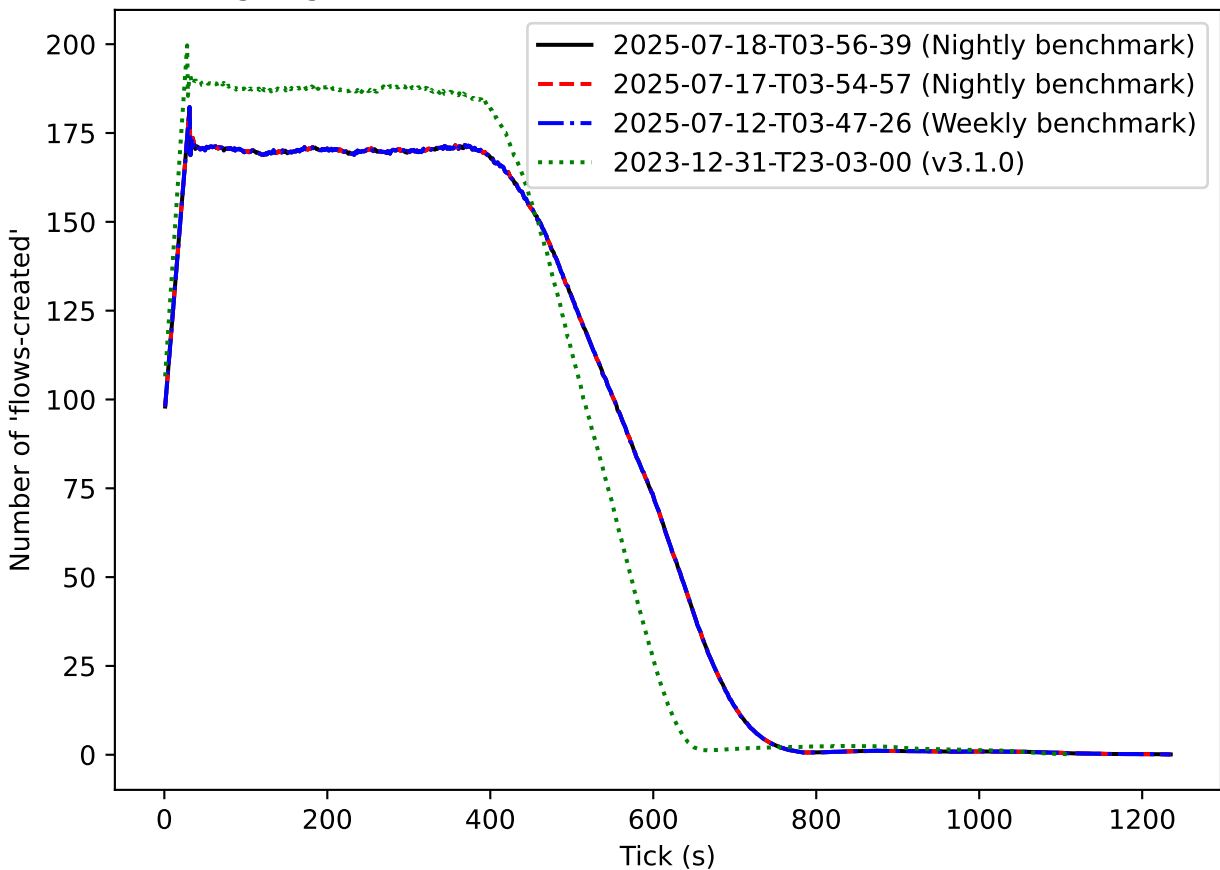X-axis: Tick (s)
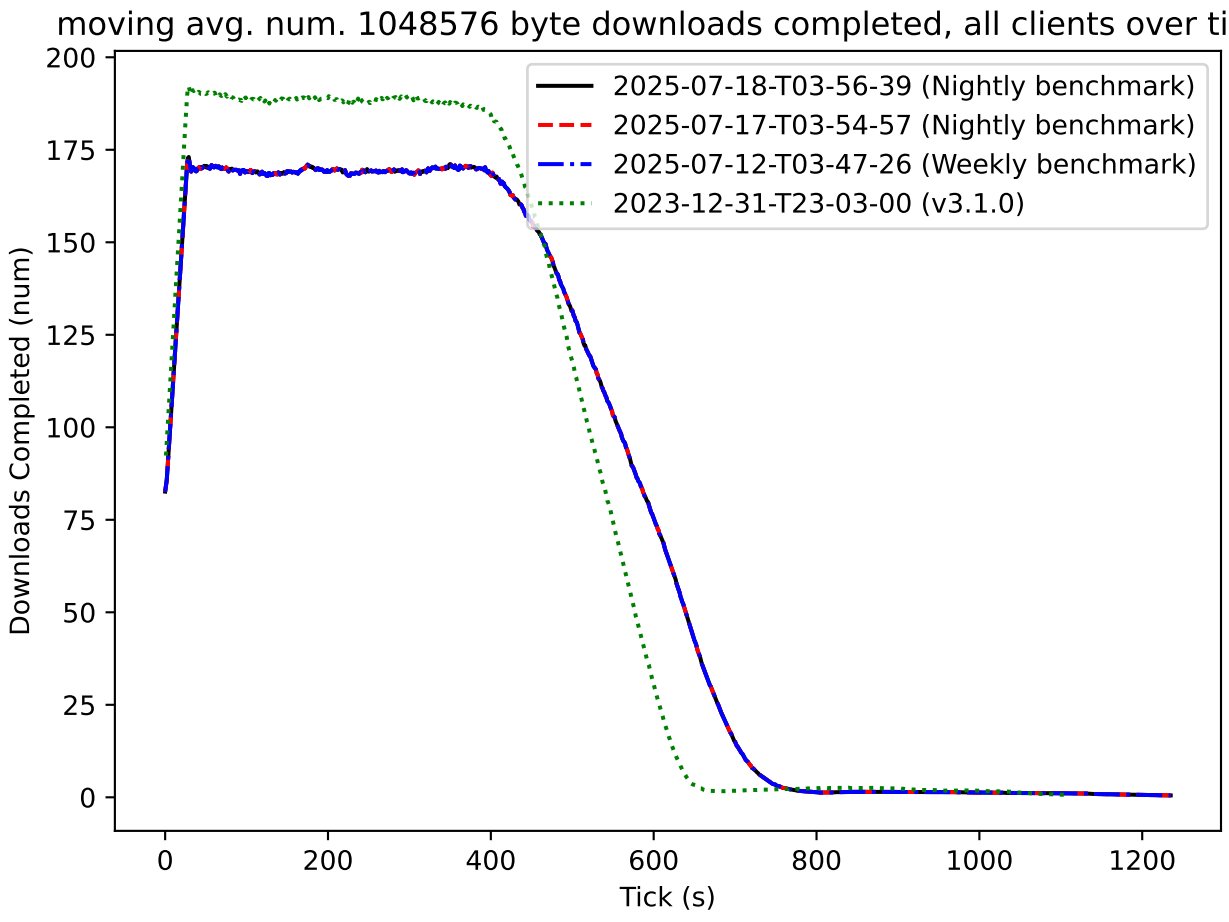
moving avg. sum of heartbeat 'bytes-read', all clients over time
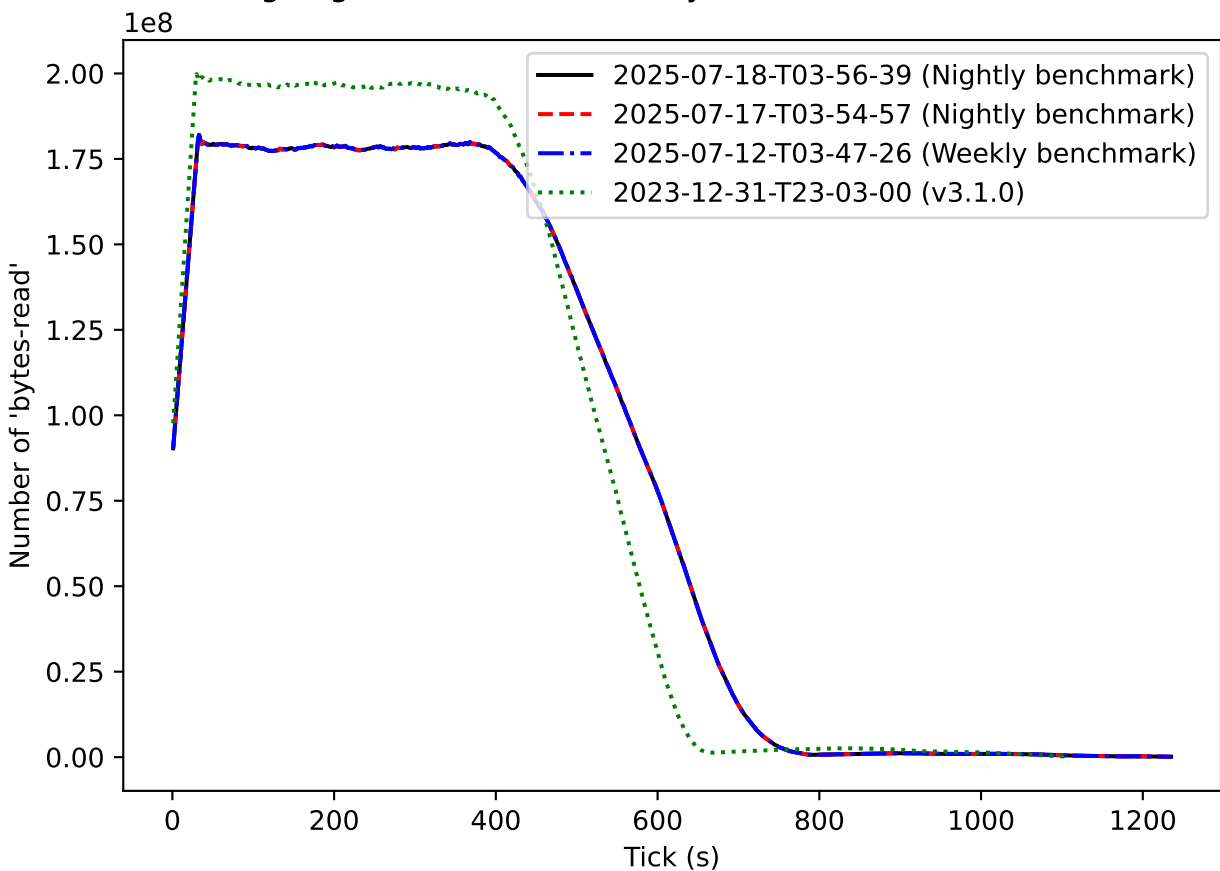
moving avg. sum of heartbeat 'bytes-written', all clients over time

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)
Y-axis: Number of 'bytes-written'

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)
Y-axis: Number of 'flows-created'

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)

Y-axis: Number of 'flows-succeeded'
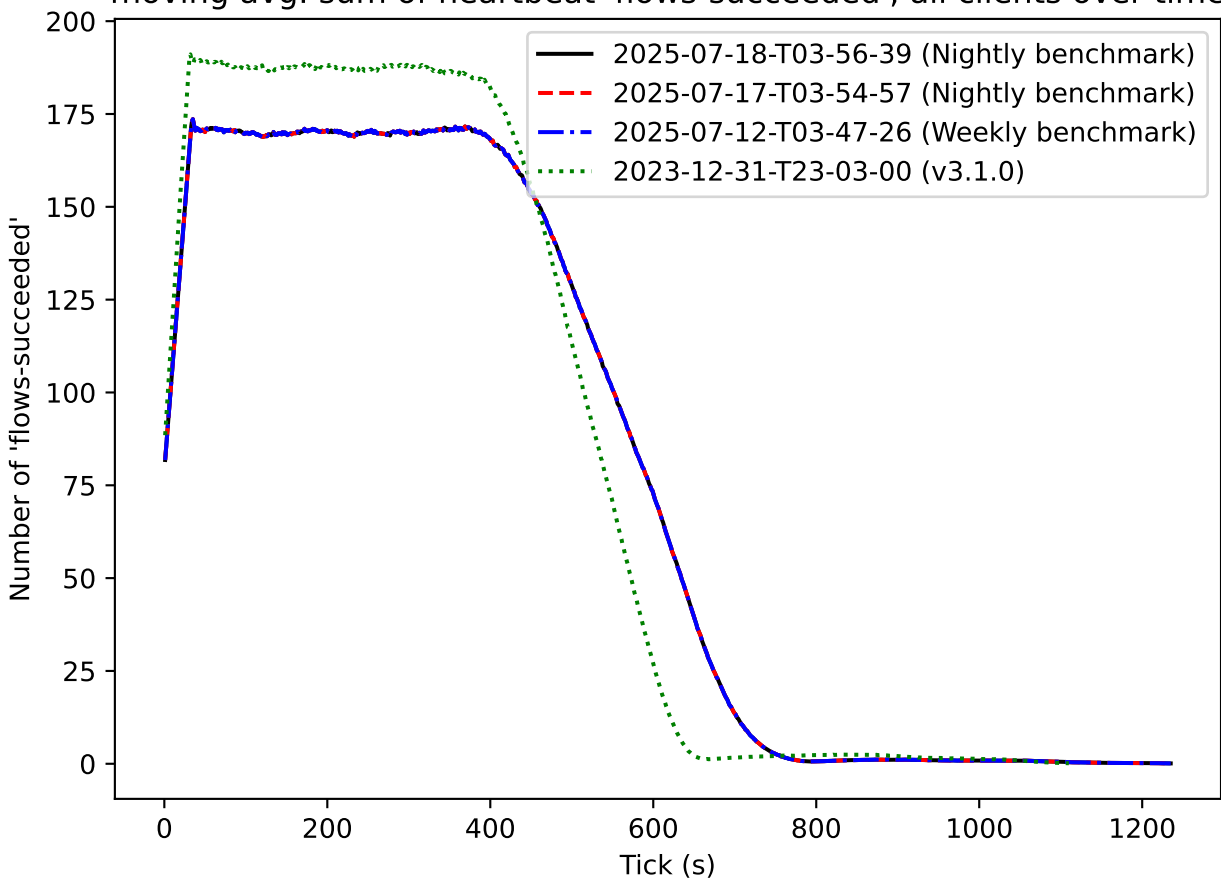
moving avg. sum of heartbeat 'total-flows-pending', all clients over time
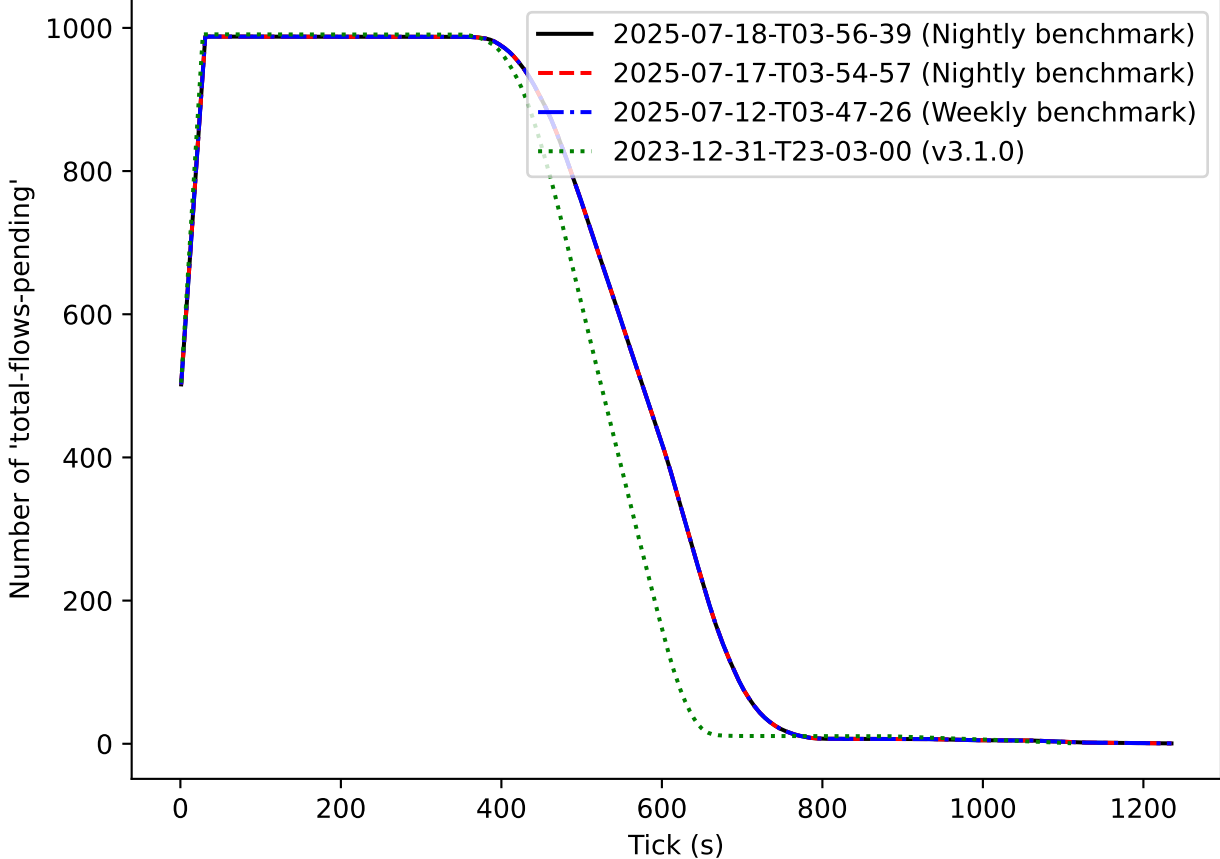
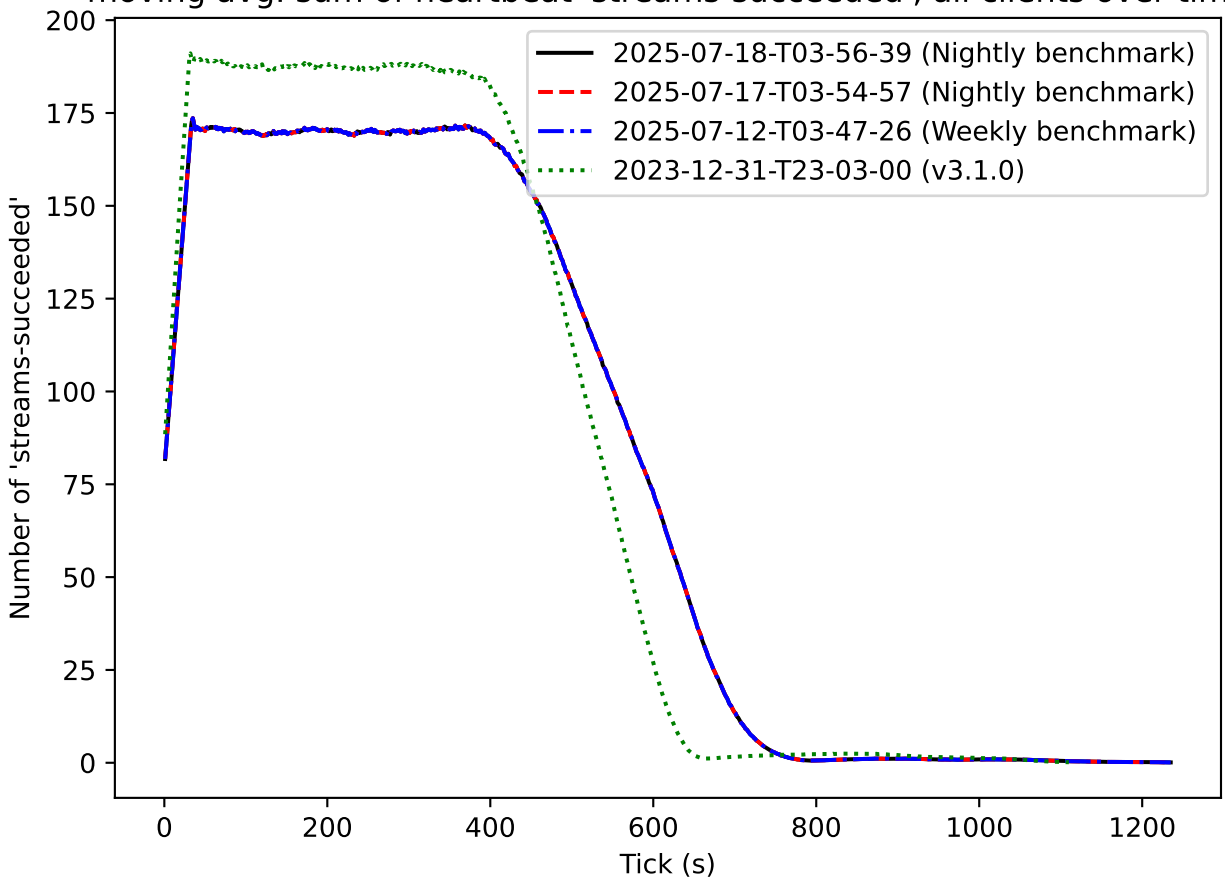moving avg. sum of heartbeat 'streams-created', all clients over time

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

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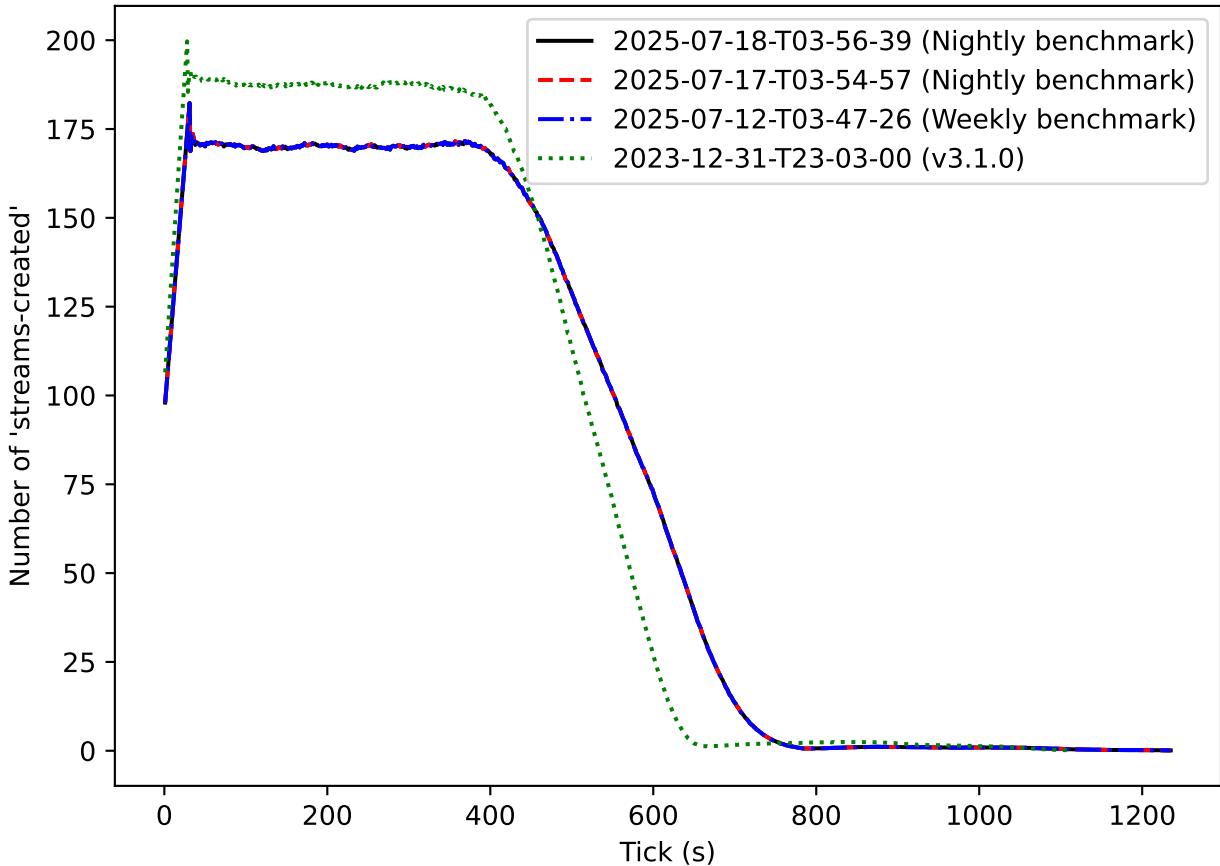
moving avg. sum of heartbeat 'streams-succeeded', all clients over time

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

Y-axis: Number of 'streams-succeeded'

X-axis: Tick (s)

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
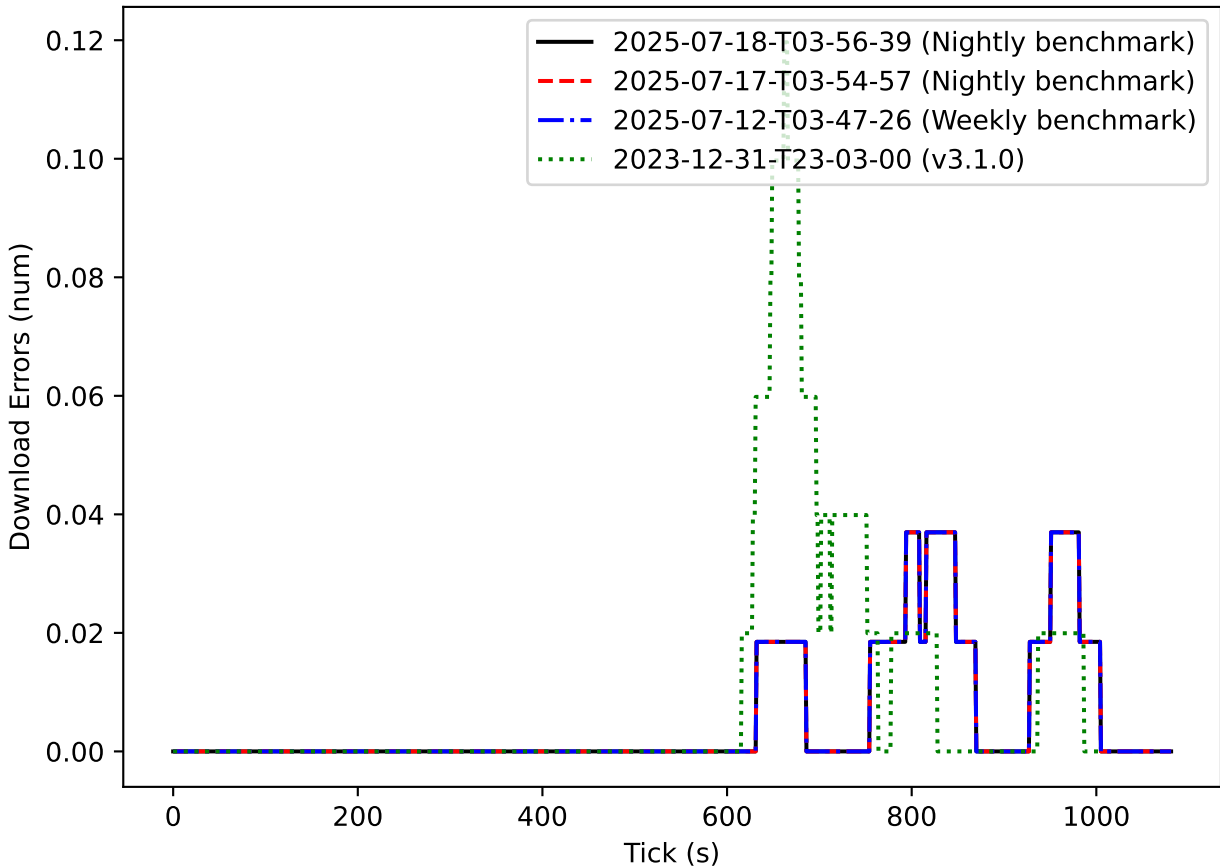- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)
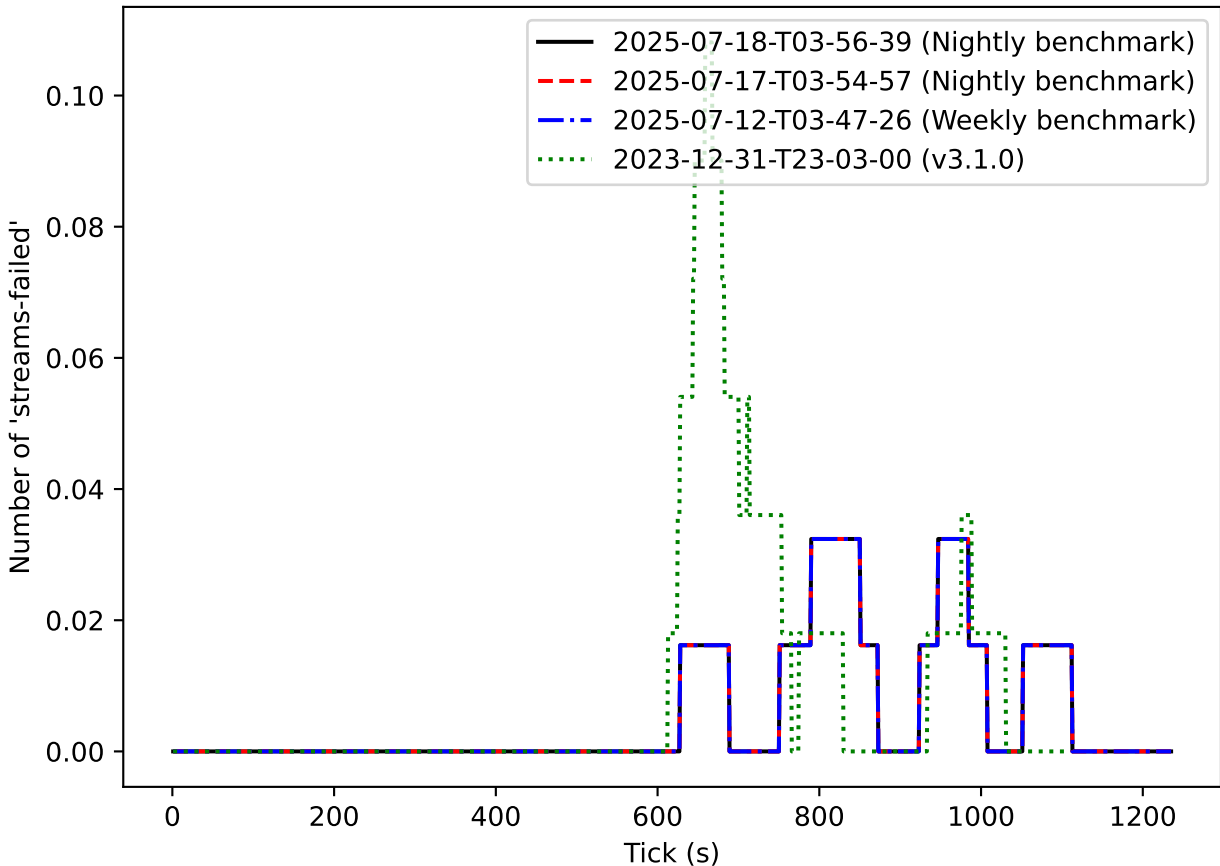
moving avg. sum of heartbeat 'total-streams-pending', all clients over ti...
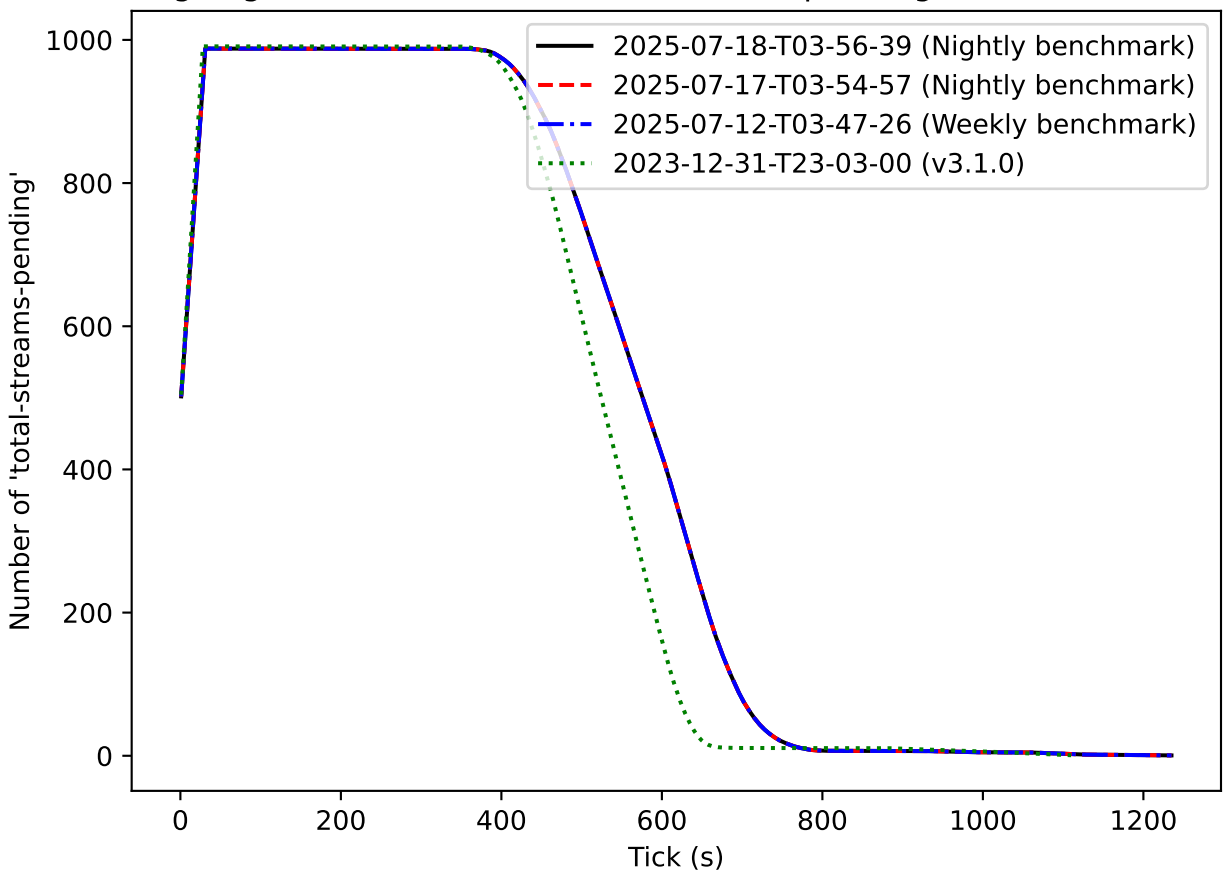
number of transfer TIMEOUT errors, each client

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

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

Legend:
- 2025-07-18-T03-56-39 (Nightly benchmark)
- 2025-07-17-T03-54-57 (Nightly benchmark)
- 2025-07-12-T03-47-26 (Weekly benchmark)
- 2023-12-31-T23-03-00 (v3.1.0)

X-axis: Tick (s)
Y-axis: Download Errors (num)

bytes transferred before TIMEOUT error, all downloads

——	2025-07-18-T03-56-39 (Nightly benchmark)
- - -	2025-07-17-T03-54-57 (Nightly benchmark)
-·-·-	2025-07-12-T03-47-26 (Weekly benchmark)
······	2023-12-31-T23-03-00 (v3.1.0)