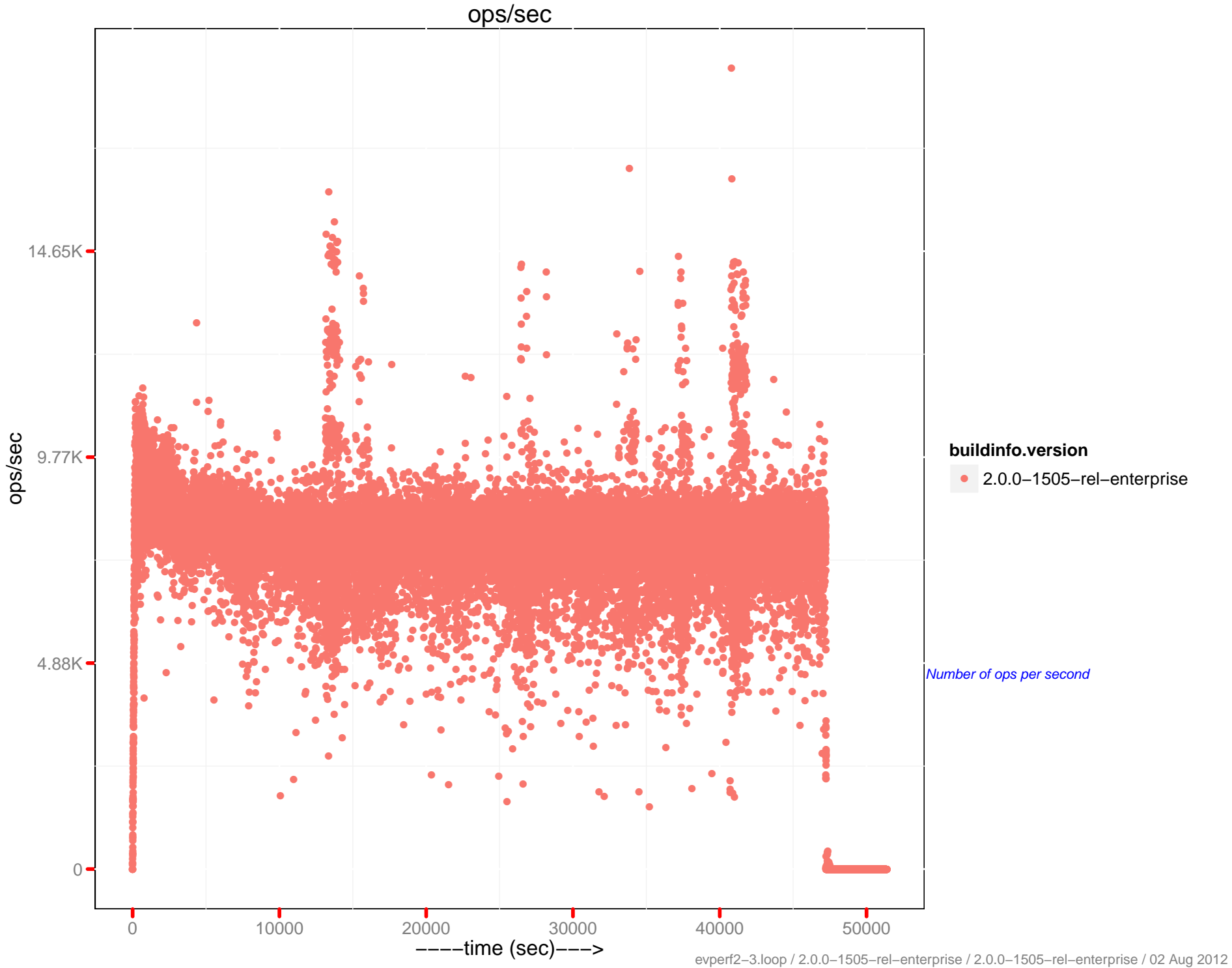
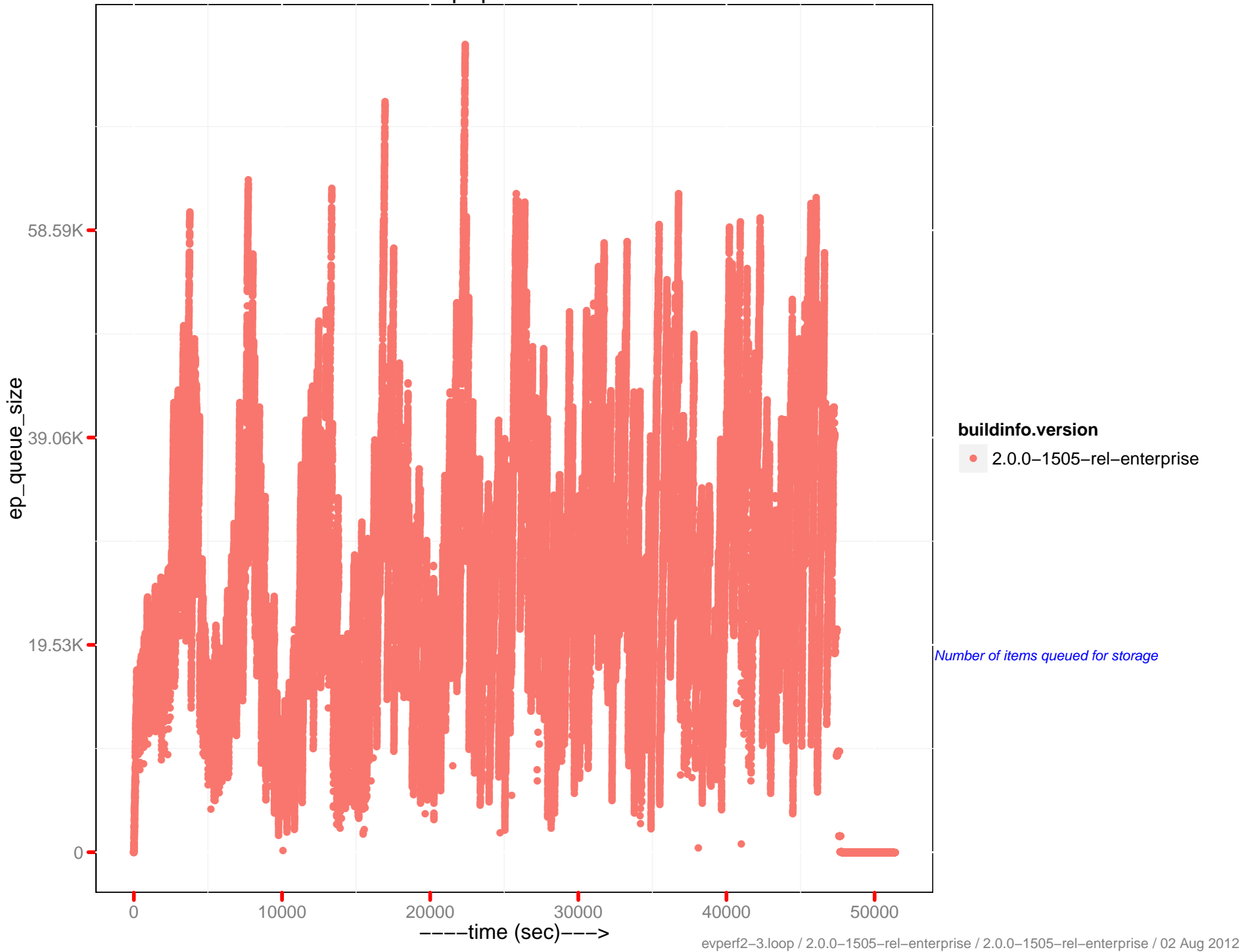


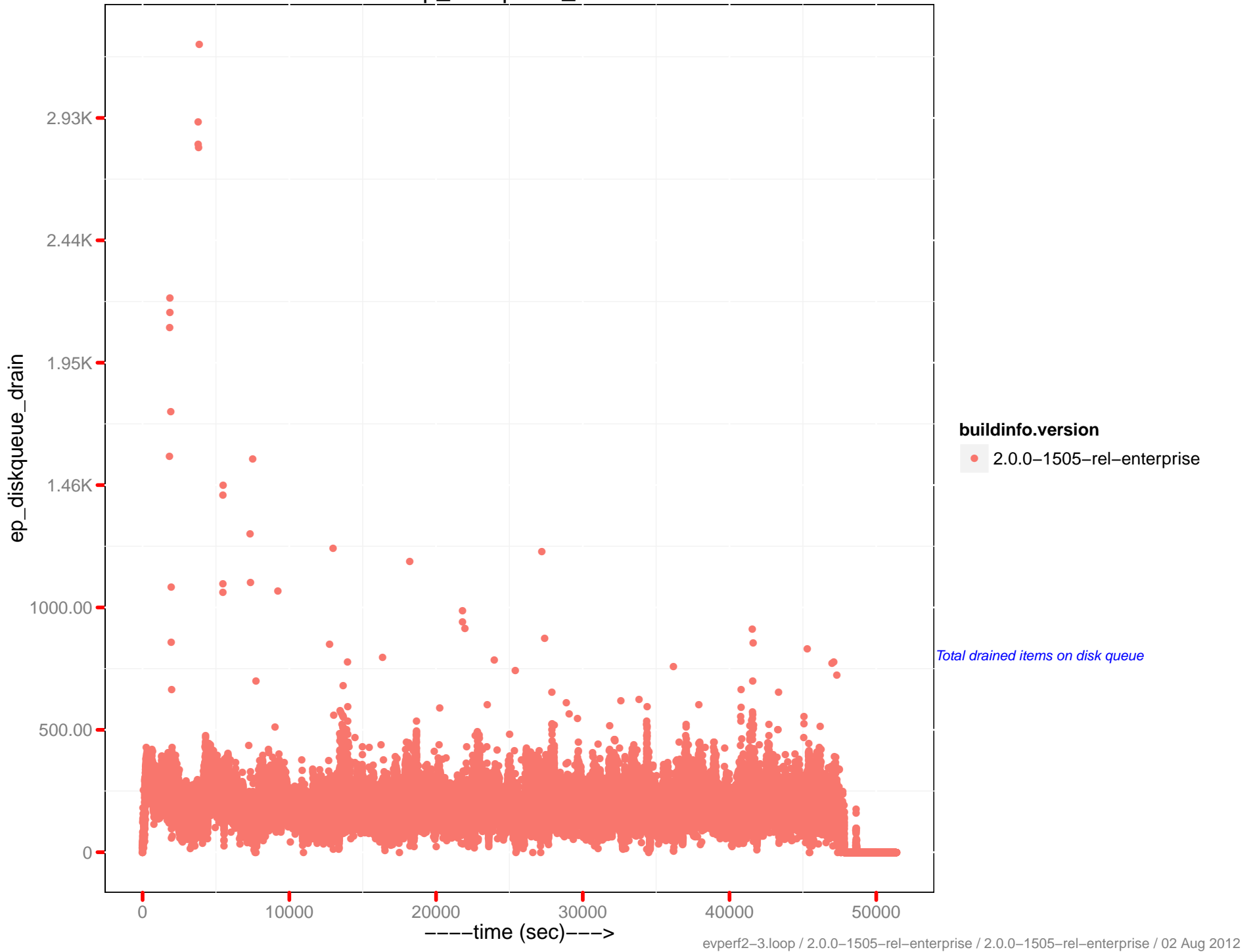
	2.0.0 – 1505	2.0.0 – 1505
<i>Runtime (in hr)</i>	14.28	NA
<i>Avg. Drain Rate</i>	197.89	NANA
<i>Peak Disk (GB)</i>	93.87	NA
<i>Peak Memory (GB)</i>	20.3	NA
<i>Avg. OPS</i>	7.90K	NANA
<i>Avg. mem memcached (GB)</i>	18.55	NA
<i>Avg. mem beam.smp (MB)</i>	483.73	NA
<i>Latency-get (90th) (ms)</i>	1.08	NA
<i>Latency-get (95th) (ms)</i>	2.35	NA
<i>Latency-get (99th) (ms)</i>	23.92	NA
<i>Latency-set (90th) (ms)</i>	1.19	NA
<i>Latency-set (95th) (ms)</i>	2.42	NA
<i>Latency-set (99th) (ms)</i>	9.15	NA
<i>Latency-query (80th) (ms)</i>	37.28	NA
<i>Latency-query (90th) (ms)</i>	96.21	NA
<i>Latency-query (95th) (ms)</i>	179.86	NA
<i>Latency-query (99th) (ms)</i>	384.9	NA
<i>Latency-query (99.9th) (ms)</i>	758.81	NA
<i>Avg. QPS</i>	598.03	NA
<i>Rebalance Time (sec)</i>	0	NA
<i>Testrunner Version</i>	1fa71d7	NA



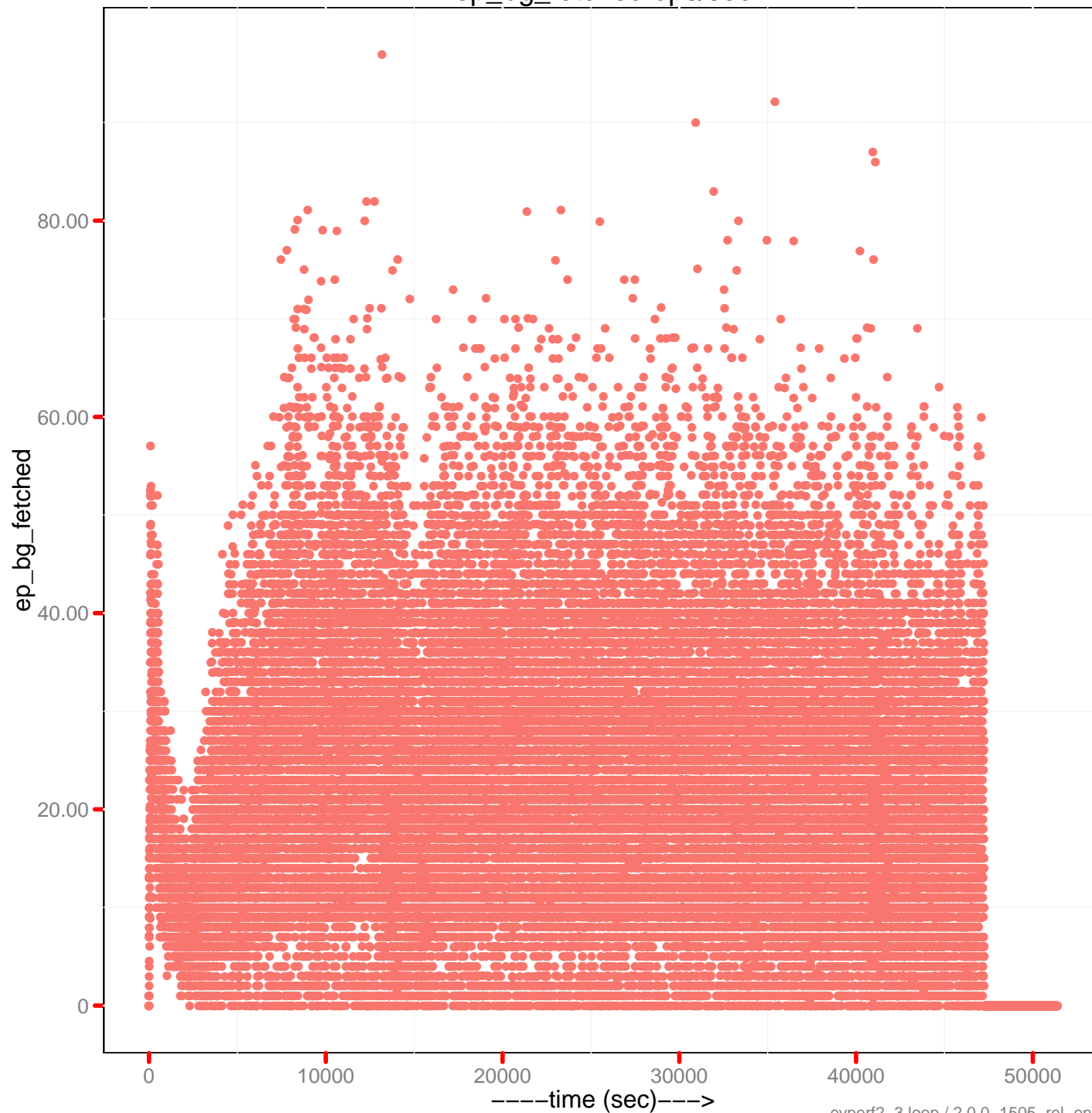
ep queue size



ep_diskqueue_drain



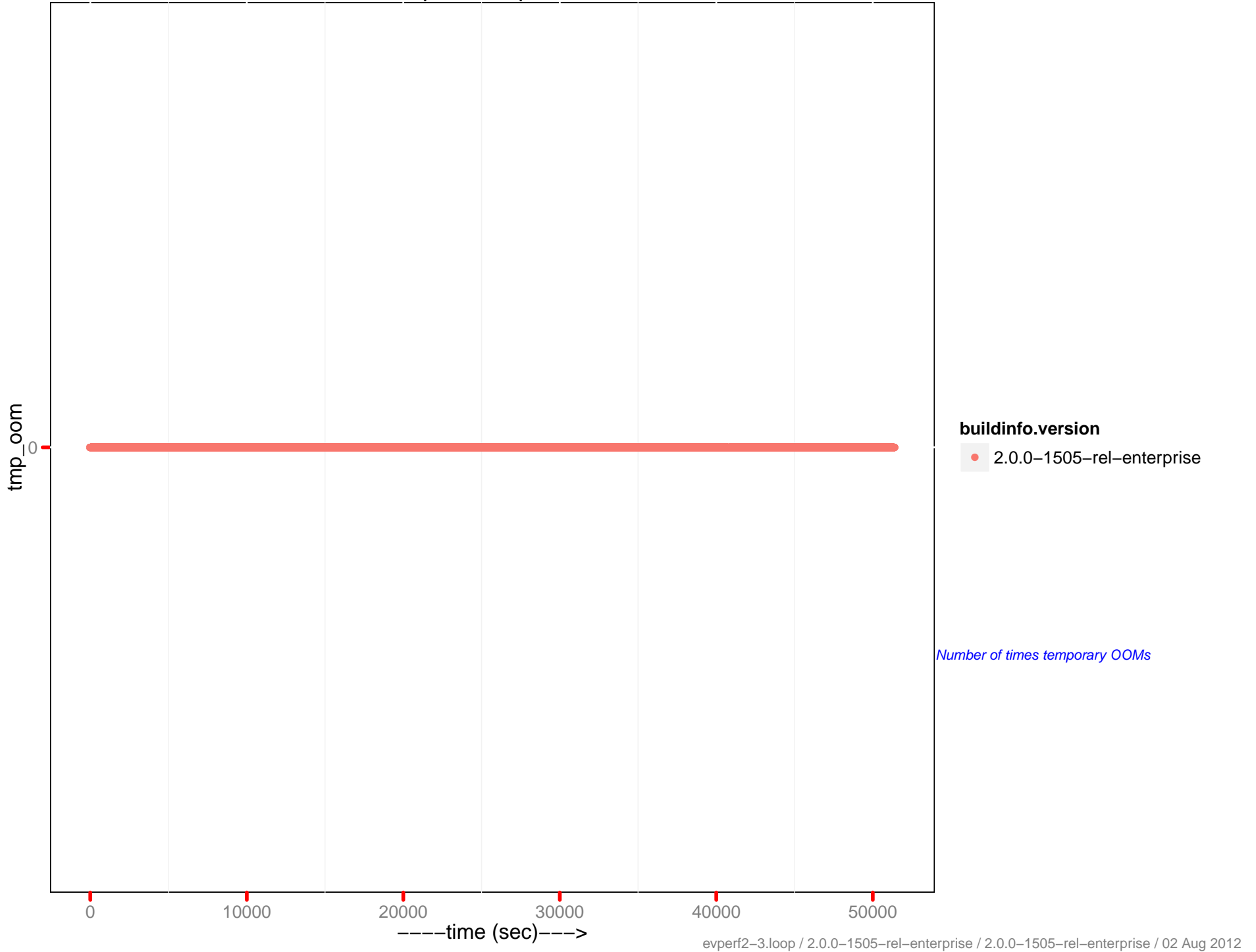
ep_bg_fetched ops/sec



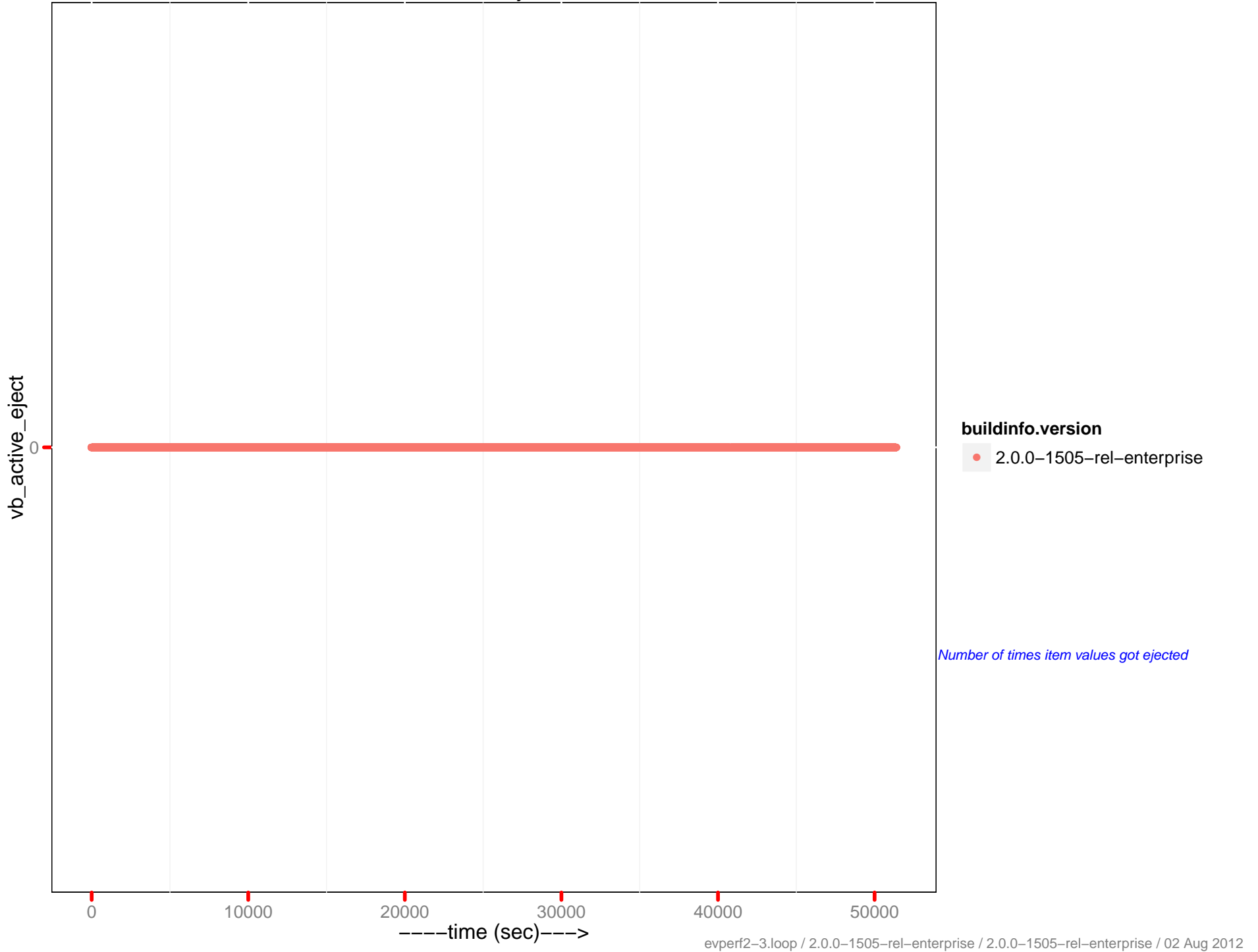
buildinfo.version
● 2.0.0-1505-rel-enterprise

Number of items fetched from disk

tmp_oom ops/sec



vb_active_eject/sec

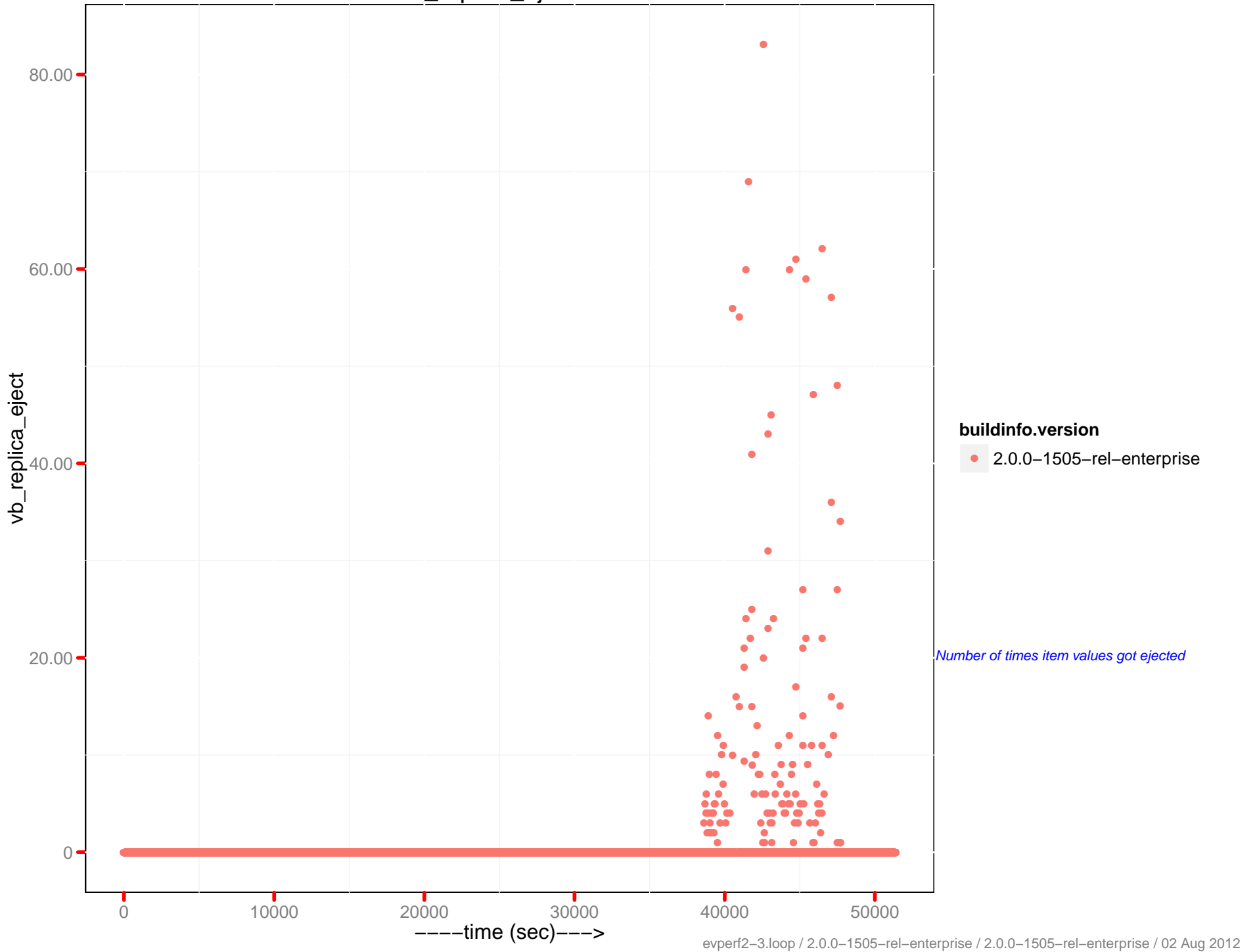


buildinfo.version

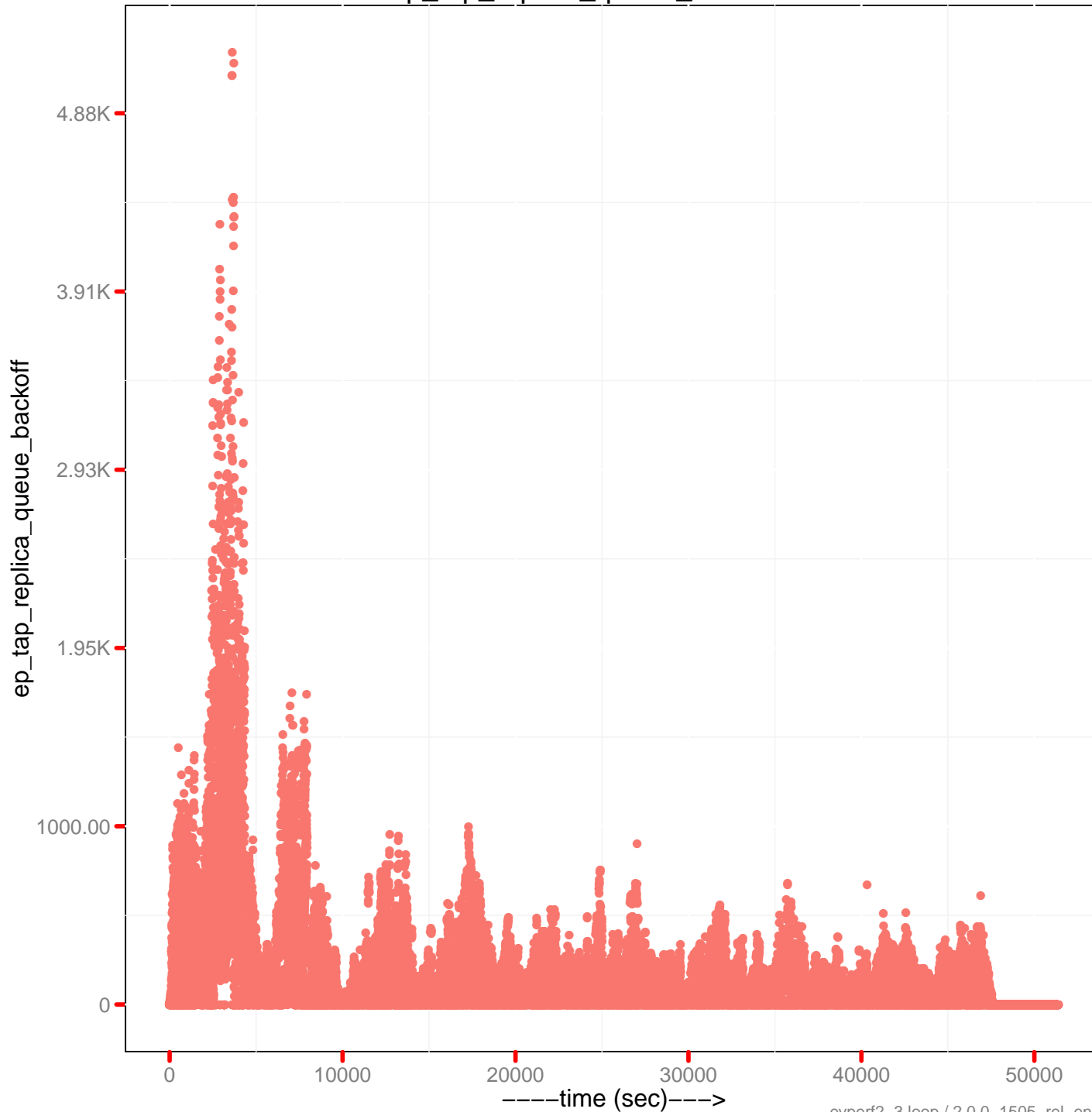
- 2.0.0-1505-rel-enterprise

Number of times item values got ejected

vb_replica_eject/sec



ep_tap_replica_queue_backoff/sec

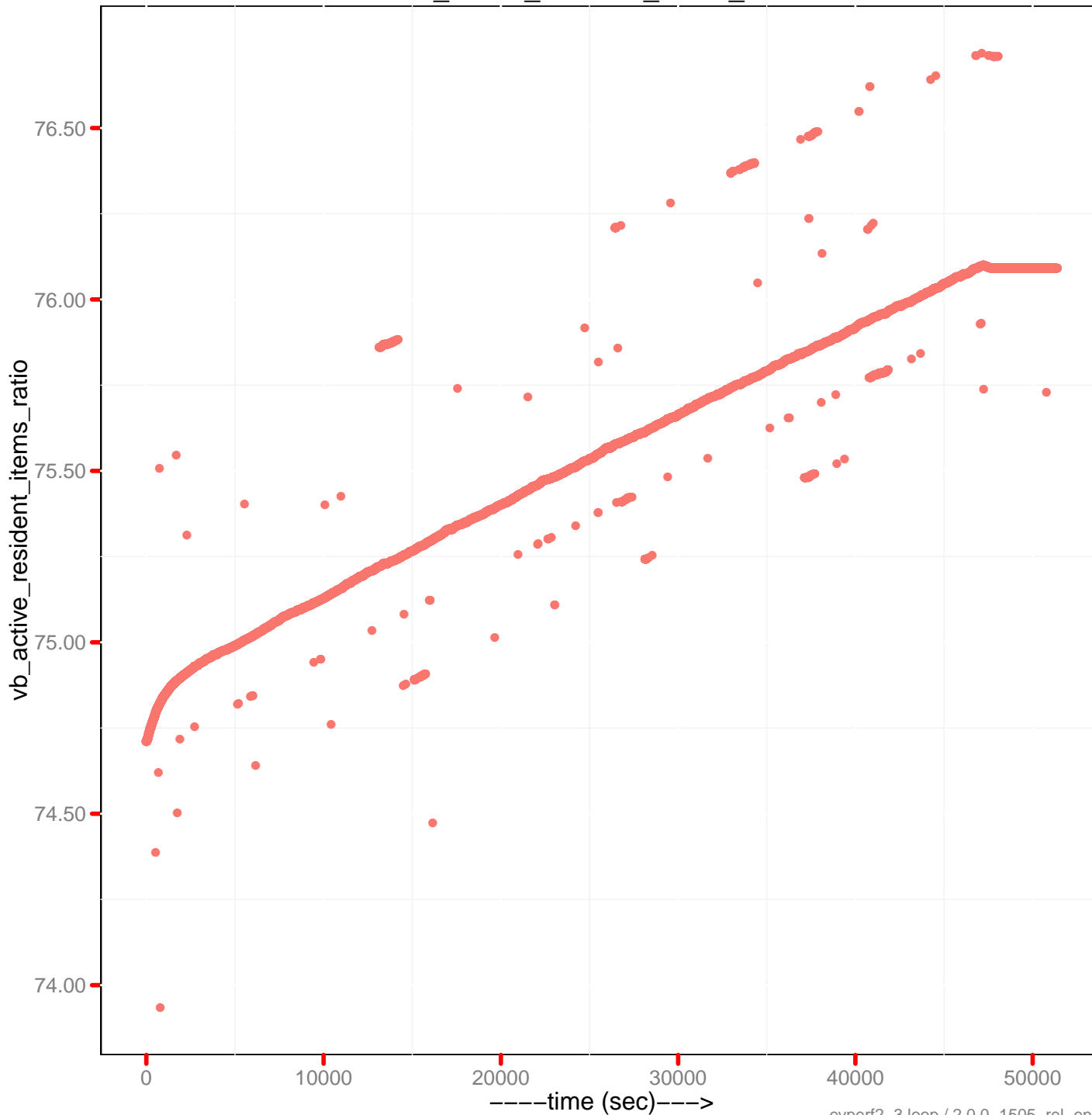


buildinfo.version

- 2.0.0-1505-rel-enterprise

*Number of back-offs received per second
while sending data over replication
TAP connections*

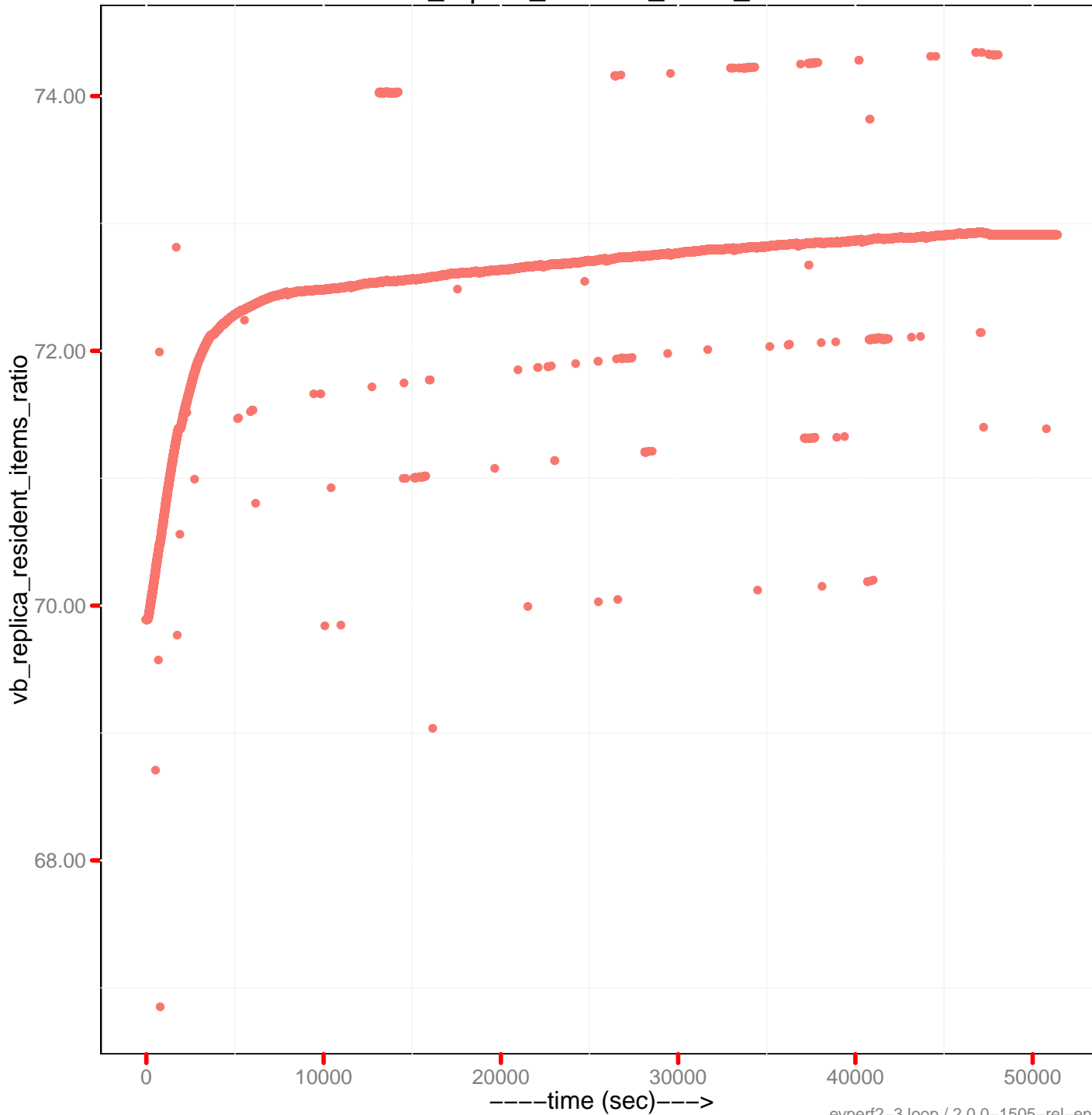
vb_active_resident_items_ratio



buildinfo.version
● 2.0.0-1505-rel-enterprise

Percentage of active items cached in RAM

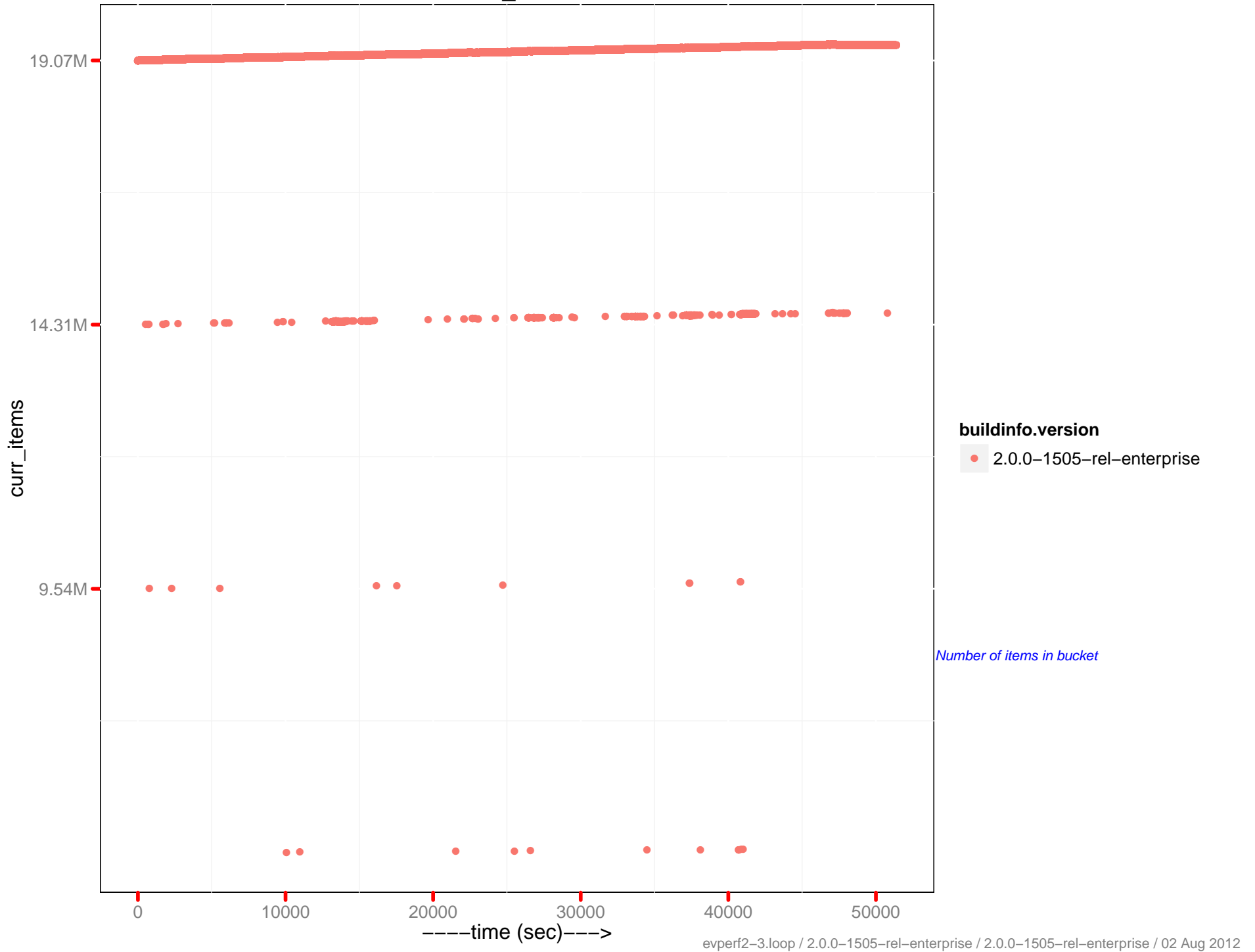
vb_replica_resident_items_ratio



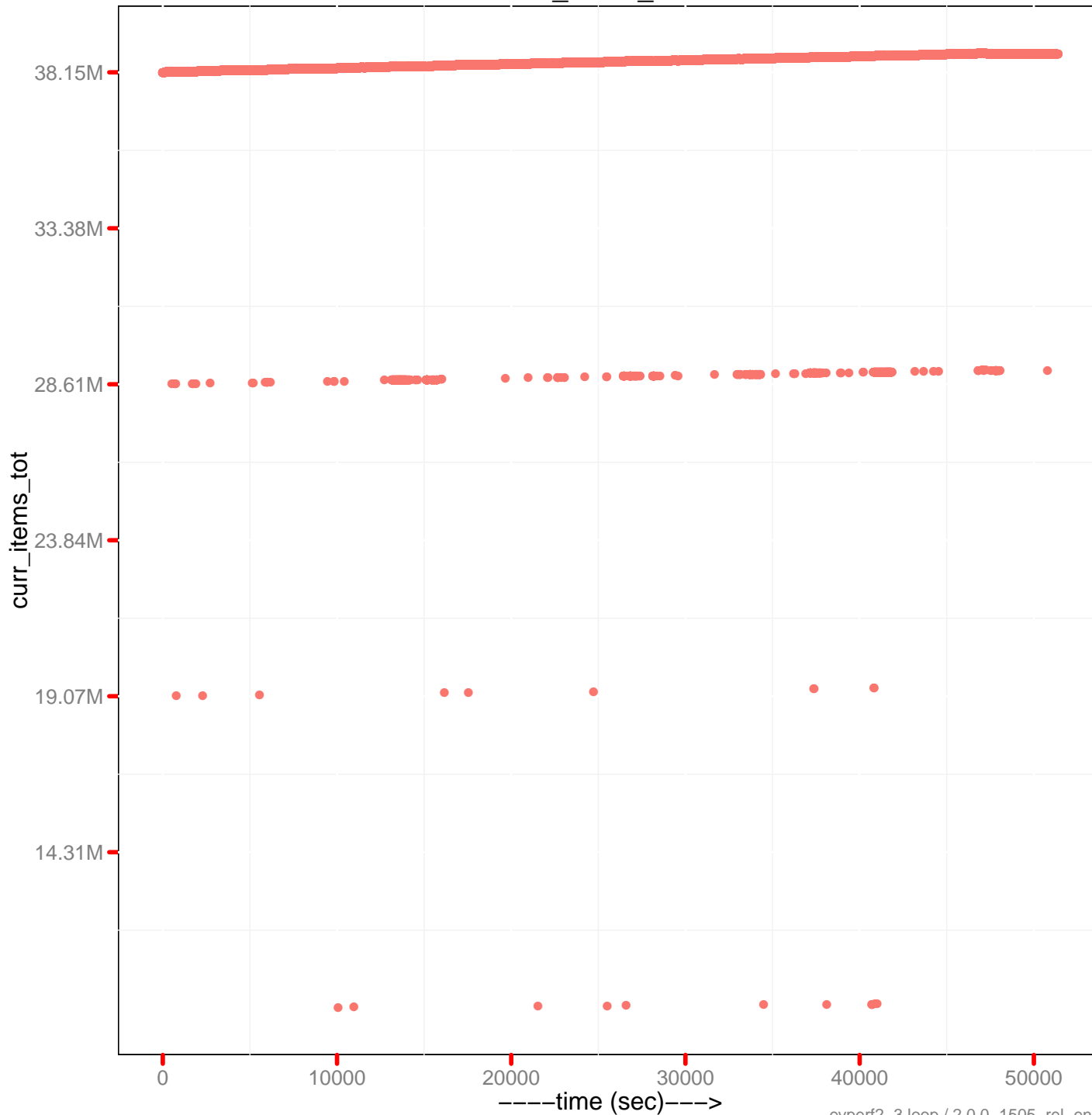
buildinfo.version
● 2.0.0-1505-rel-enterprise

Percentage of replica items cached in RAM

curr_items



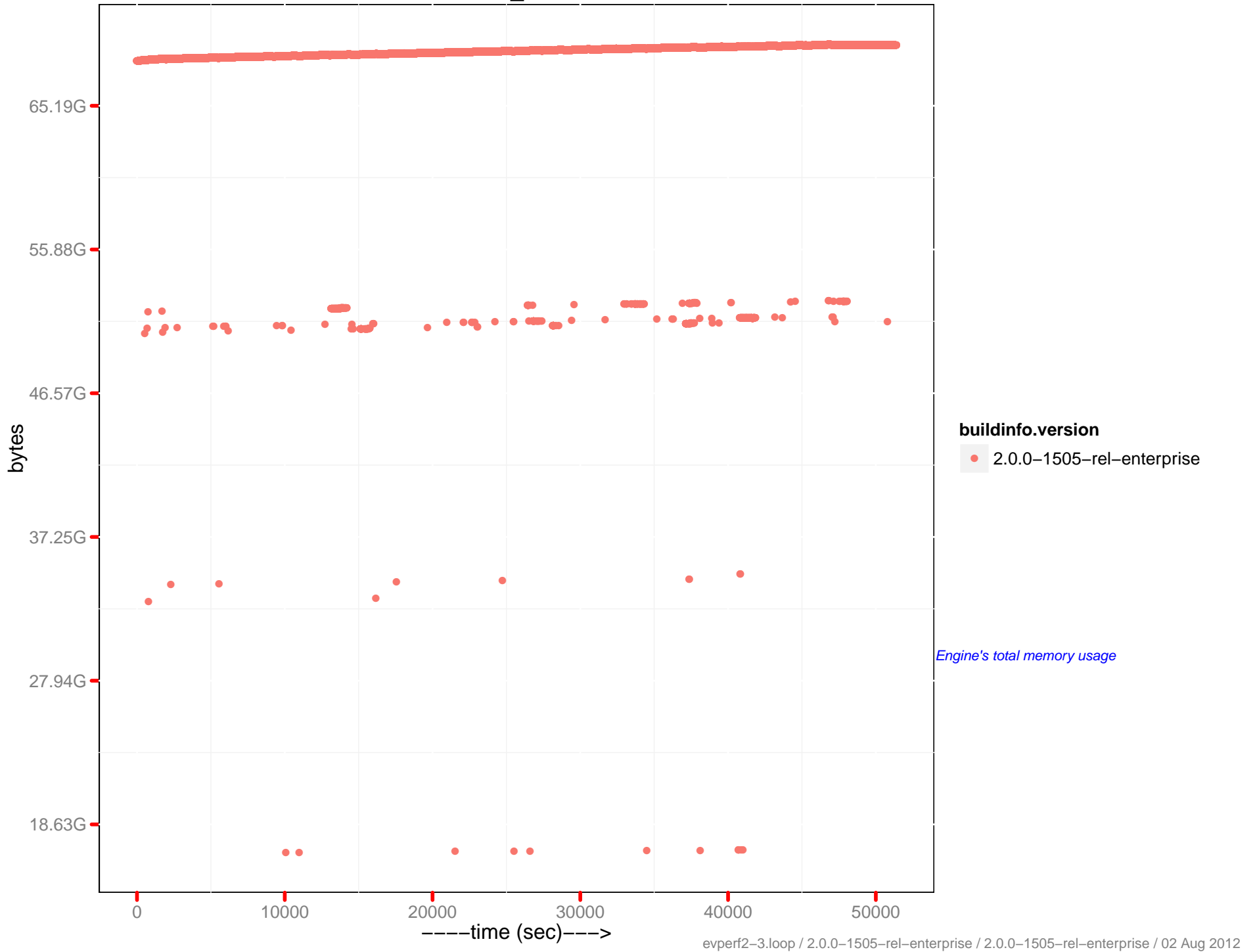
cur_items_total



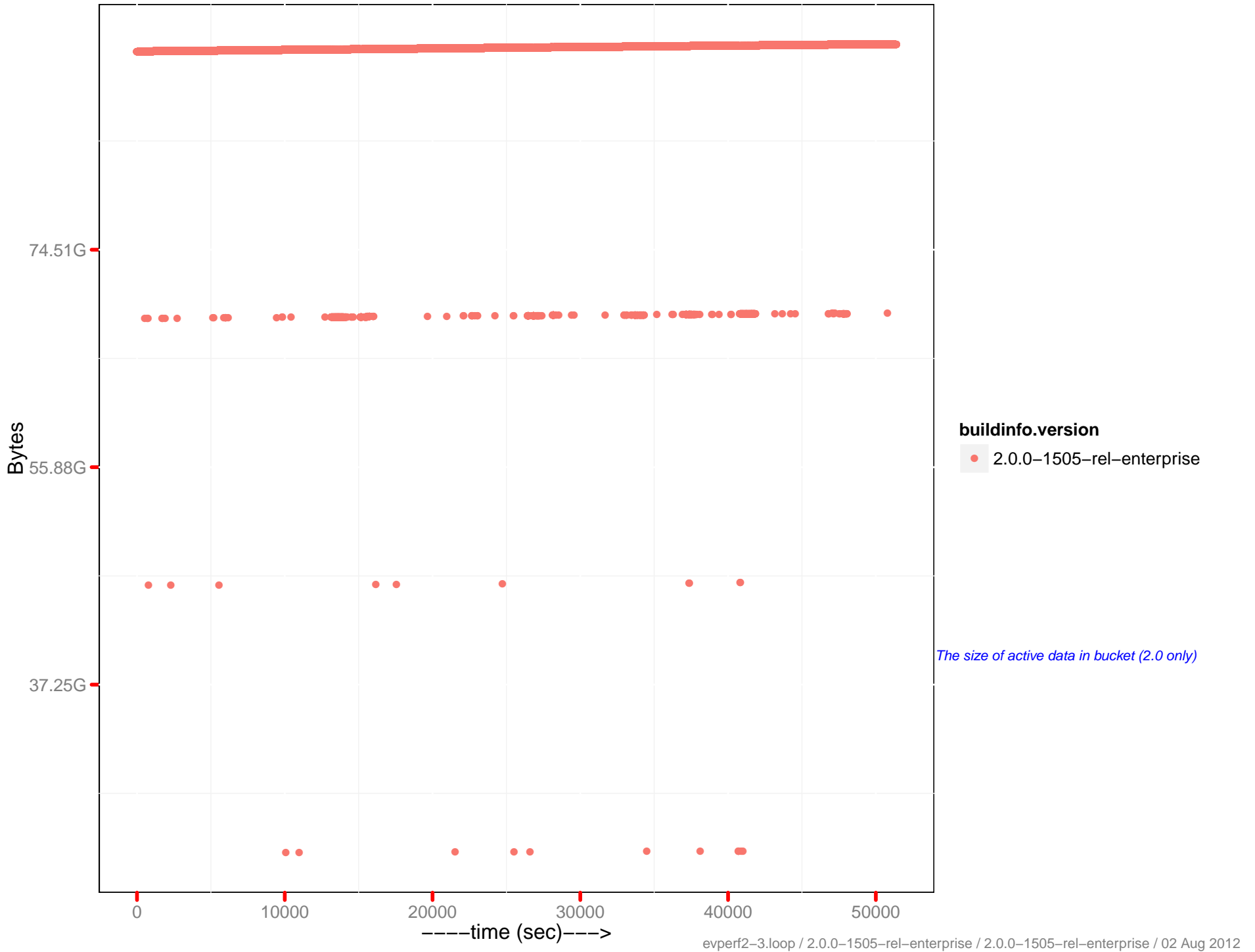
buildinfo.version
● 2.0.0-1505-rel-enterprise

Total number of items

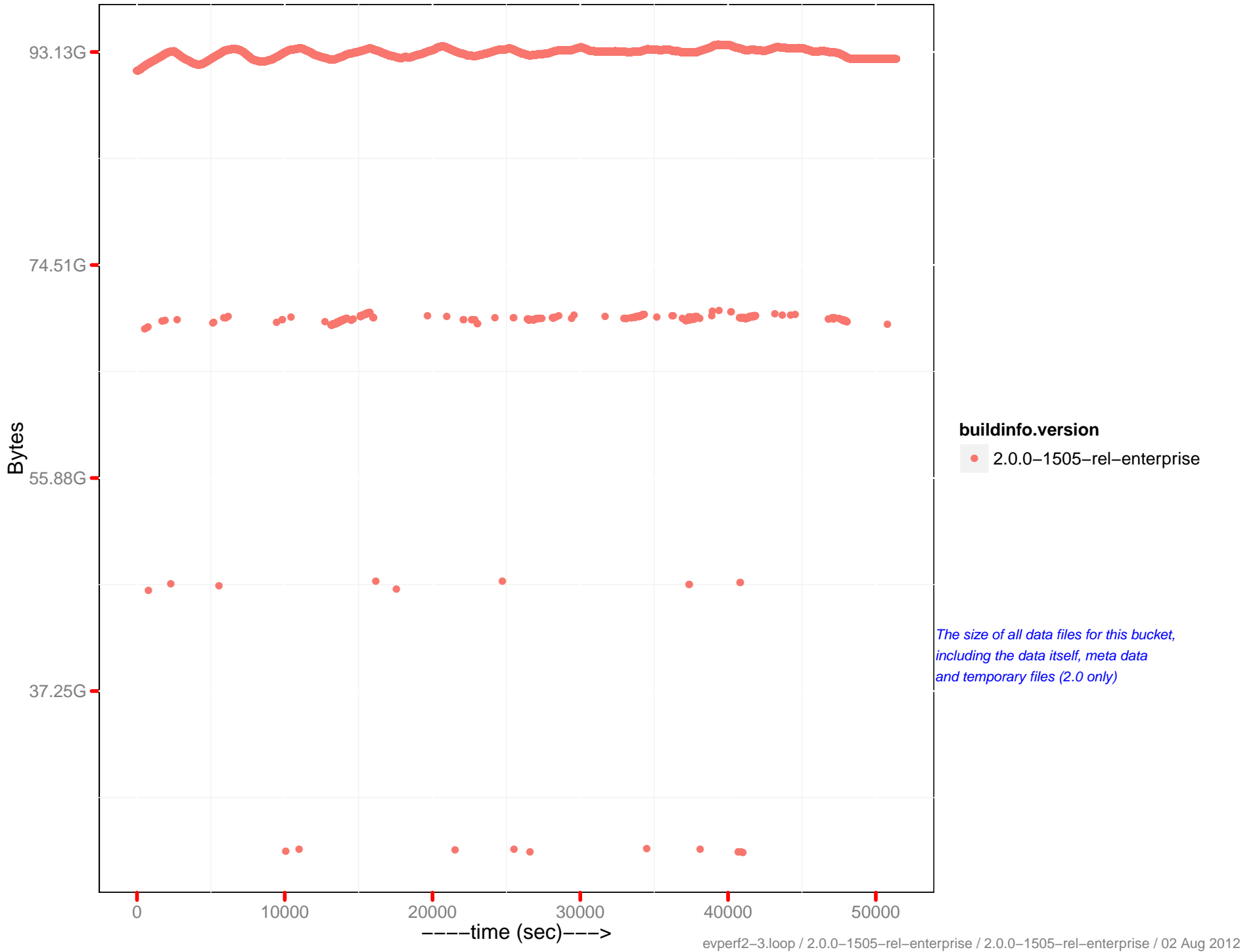
mem_used



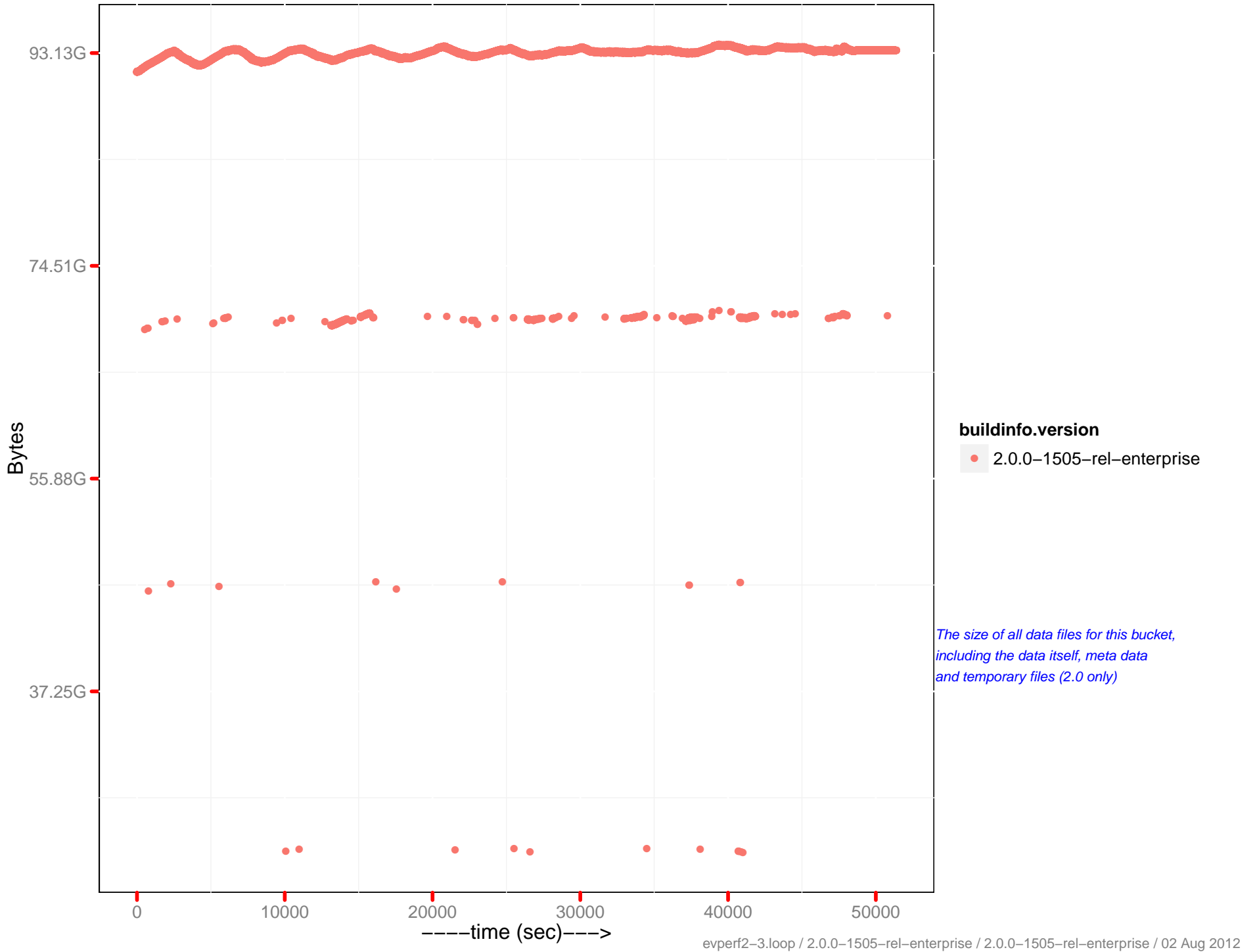
Docs data size



Docs disk size



Docs actual disk size



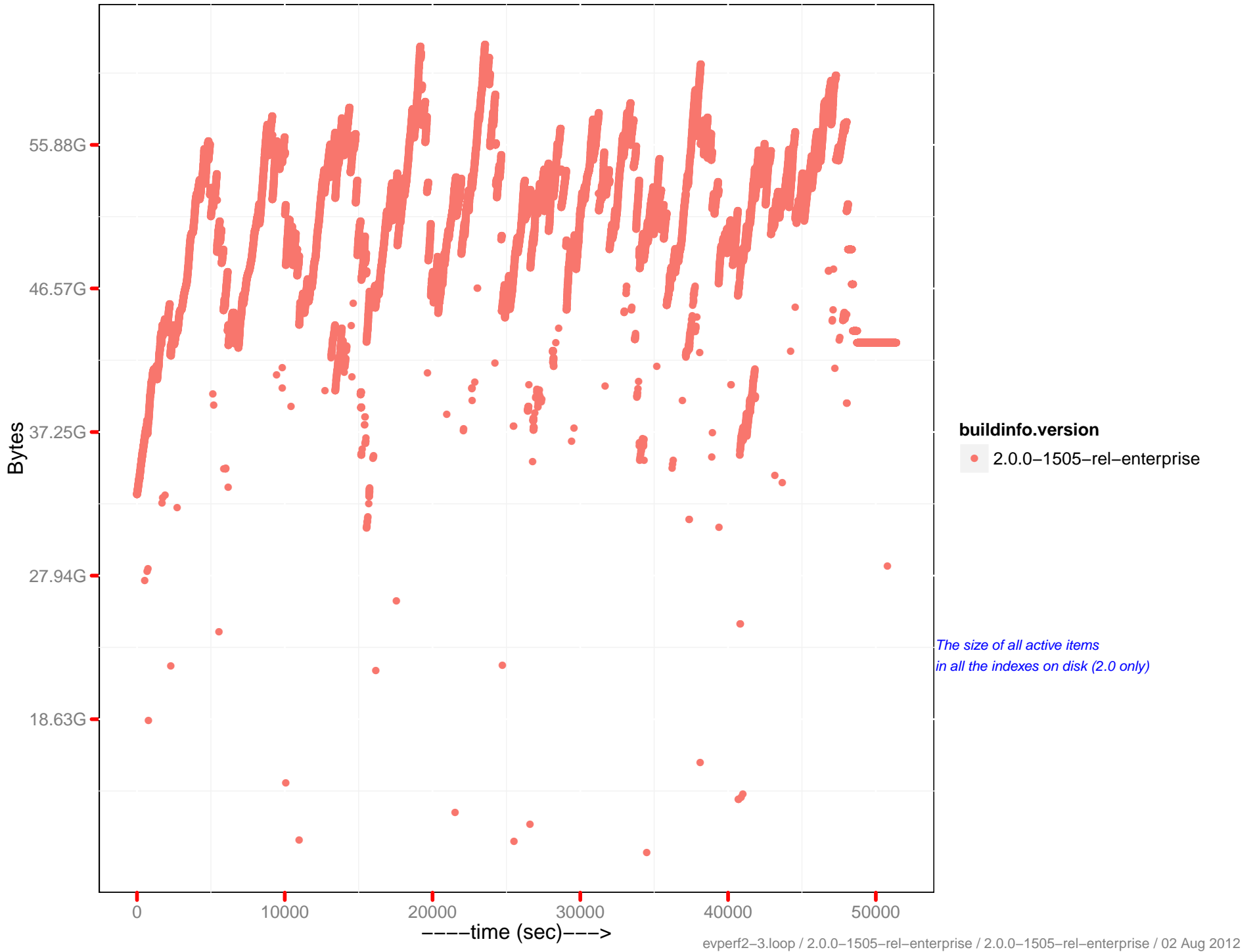
buildinfo.version
● 2.0.0-1505-rel-enterprise

The size of all data files for this bucket, including the data itself, meta data and temporary files (2.0 only)

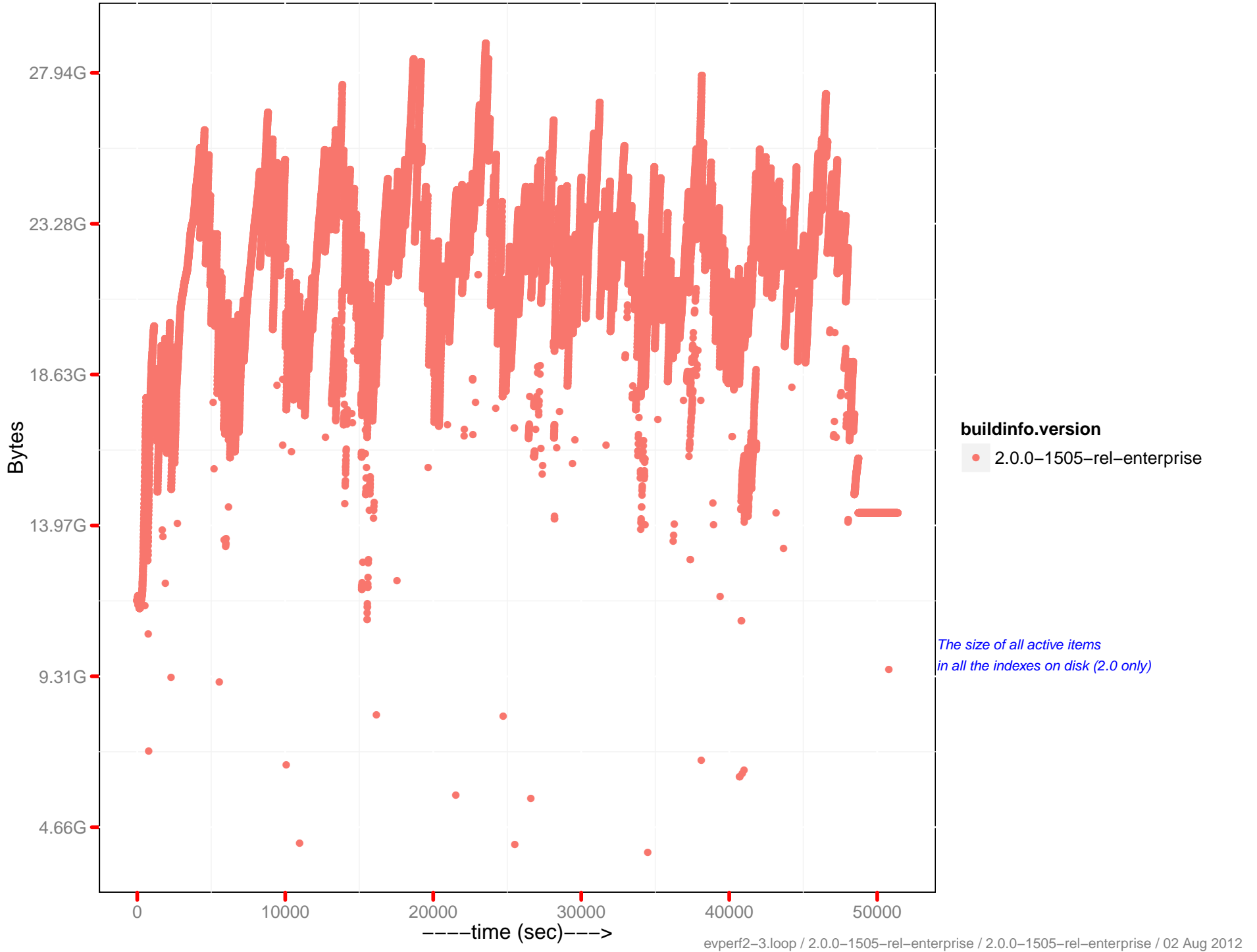
Views data size



Views disk size



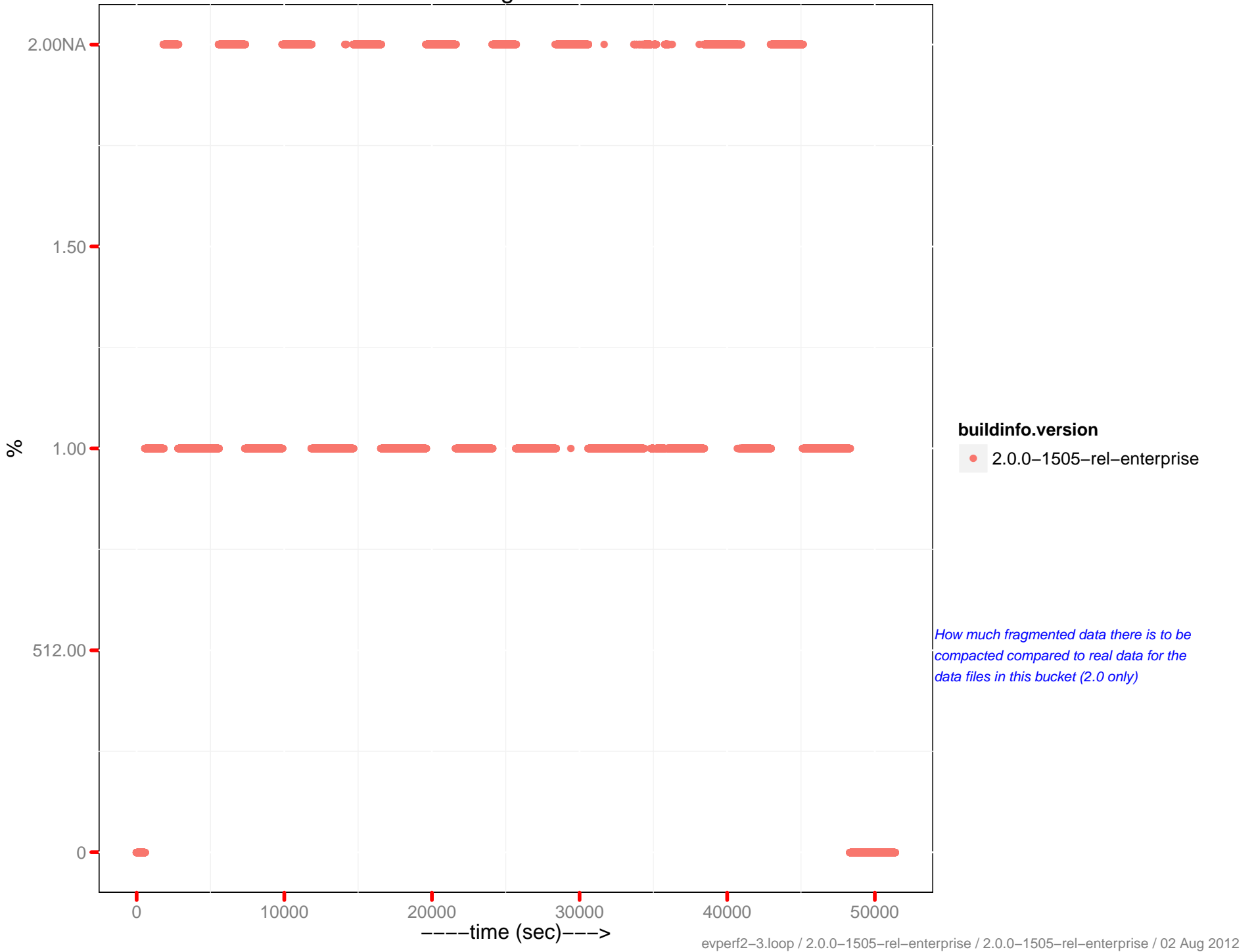
Views actual disk size



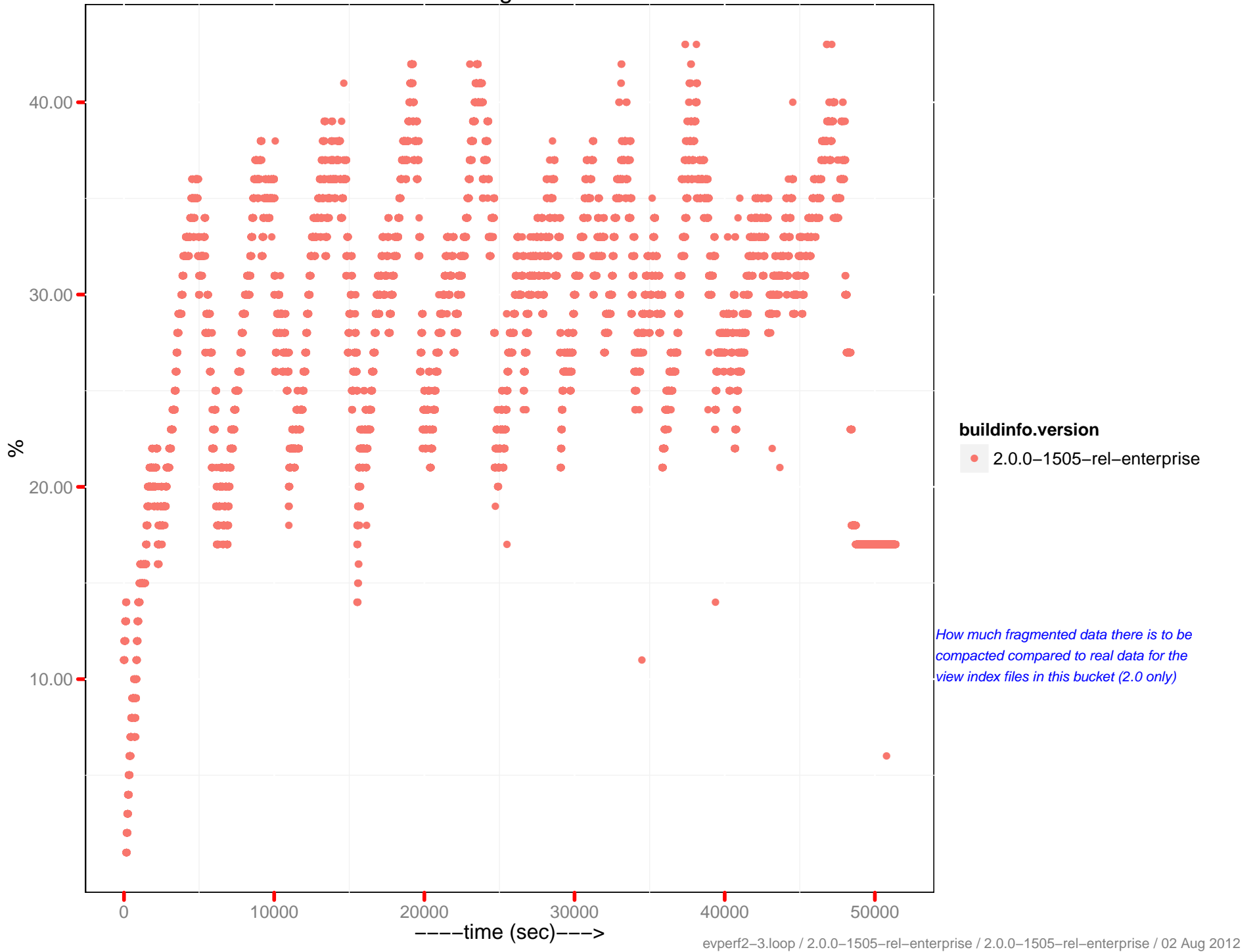
Total disk size



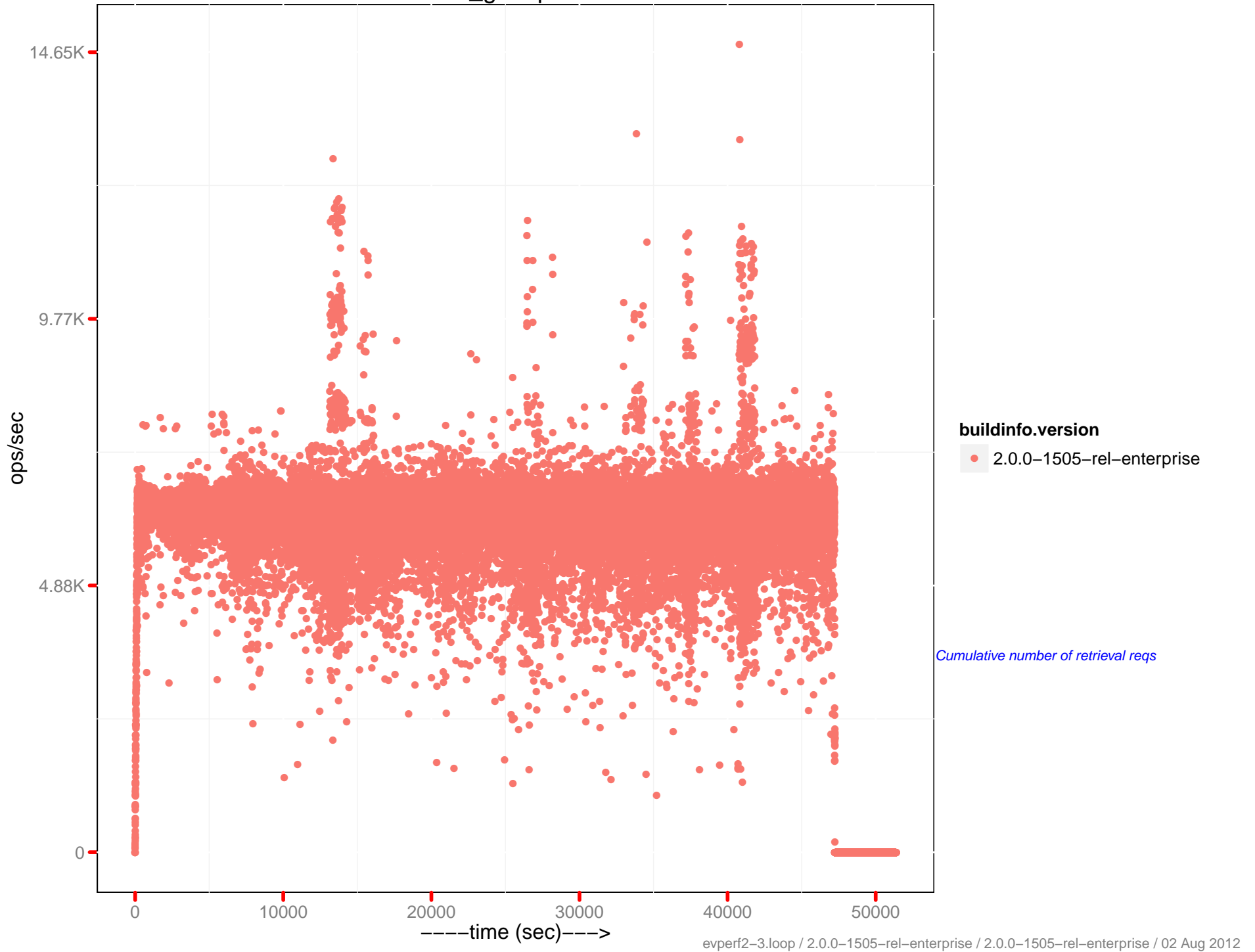
Docs fragmentation



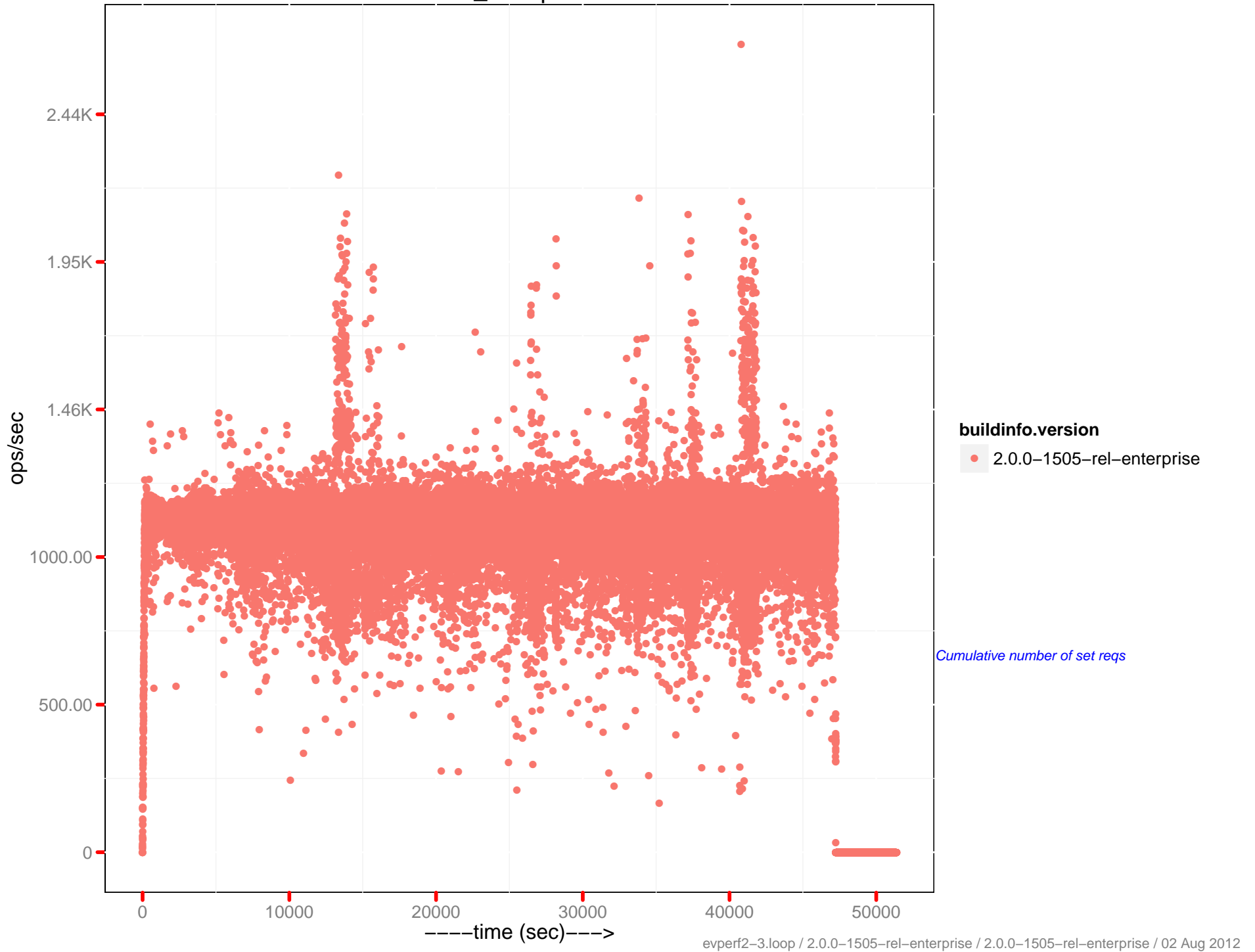
Views fragmentation



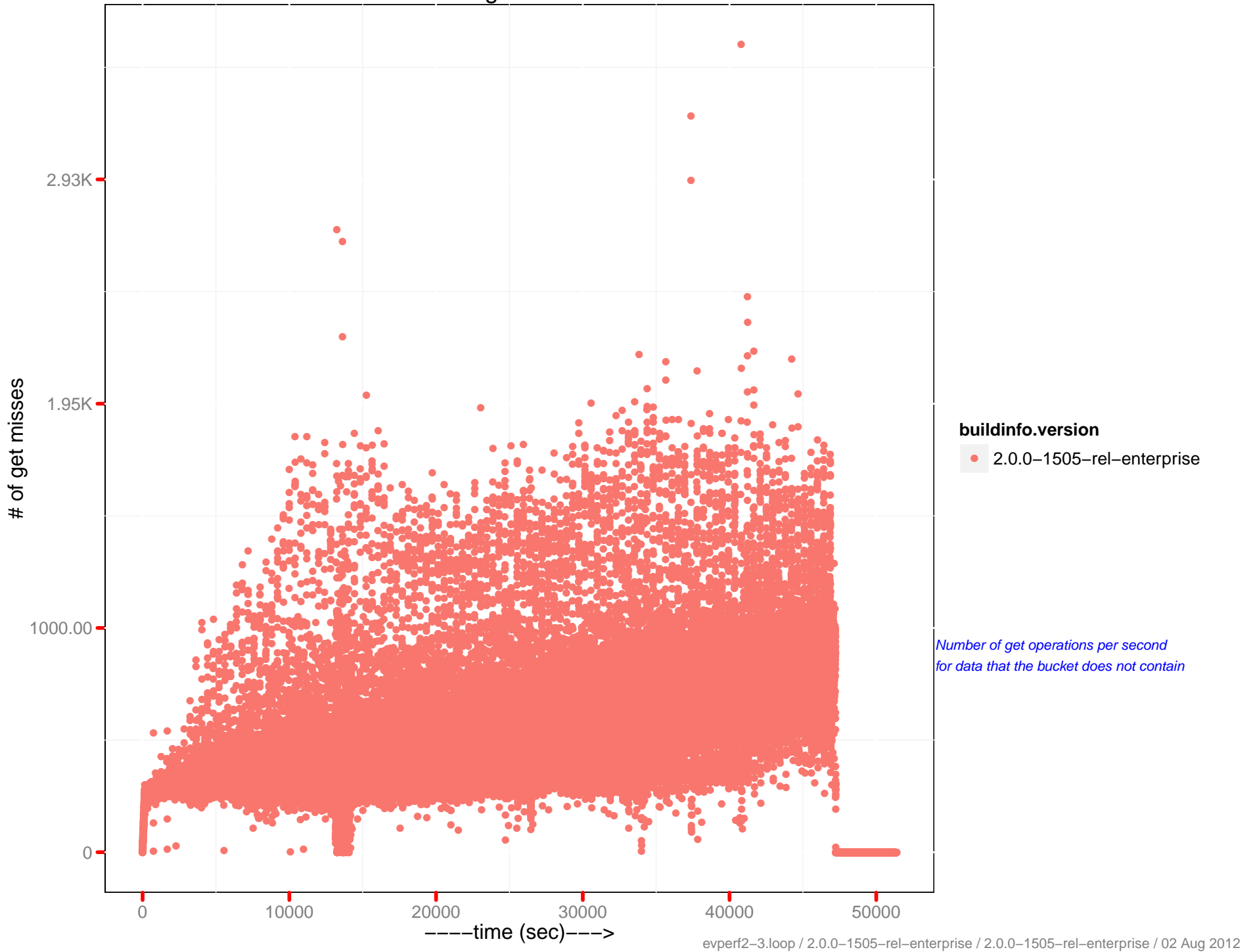
cmd_get ops/sec



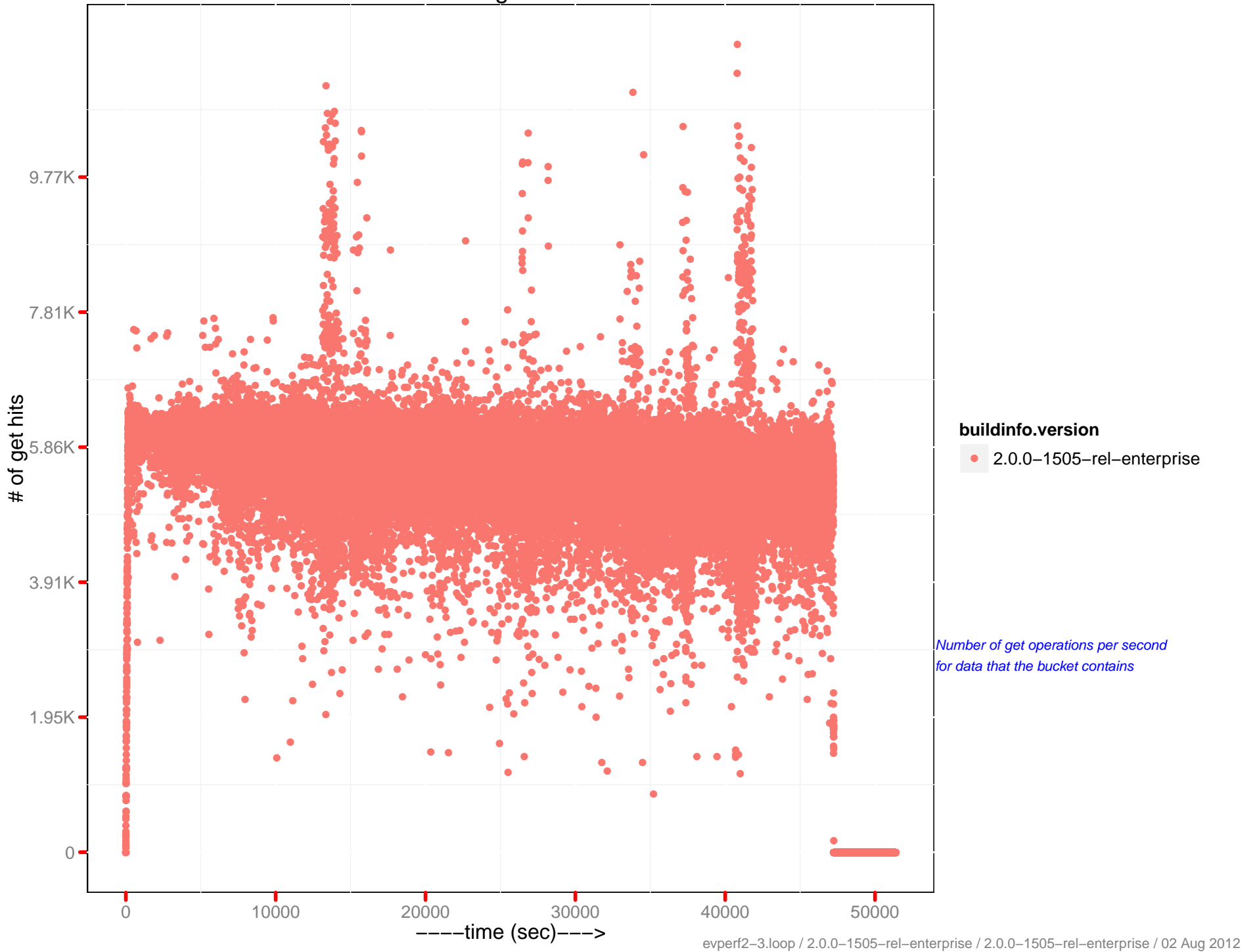
cmd_set ops/sec



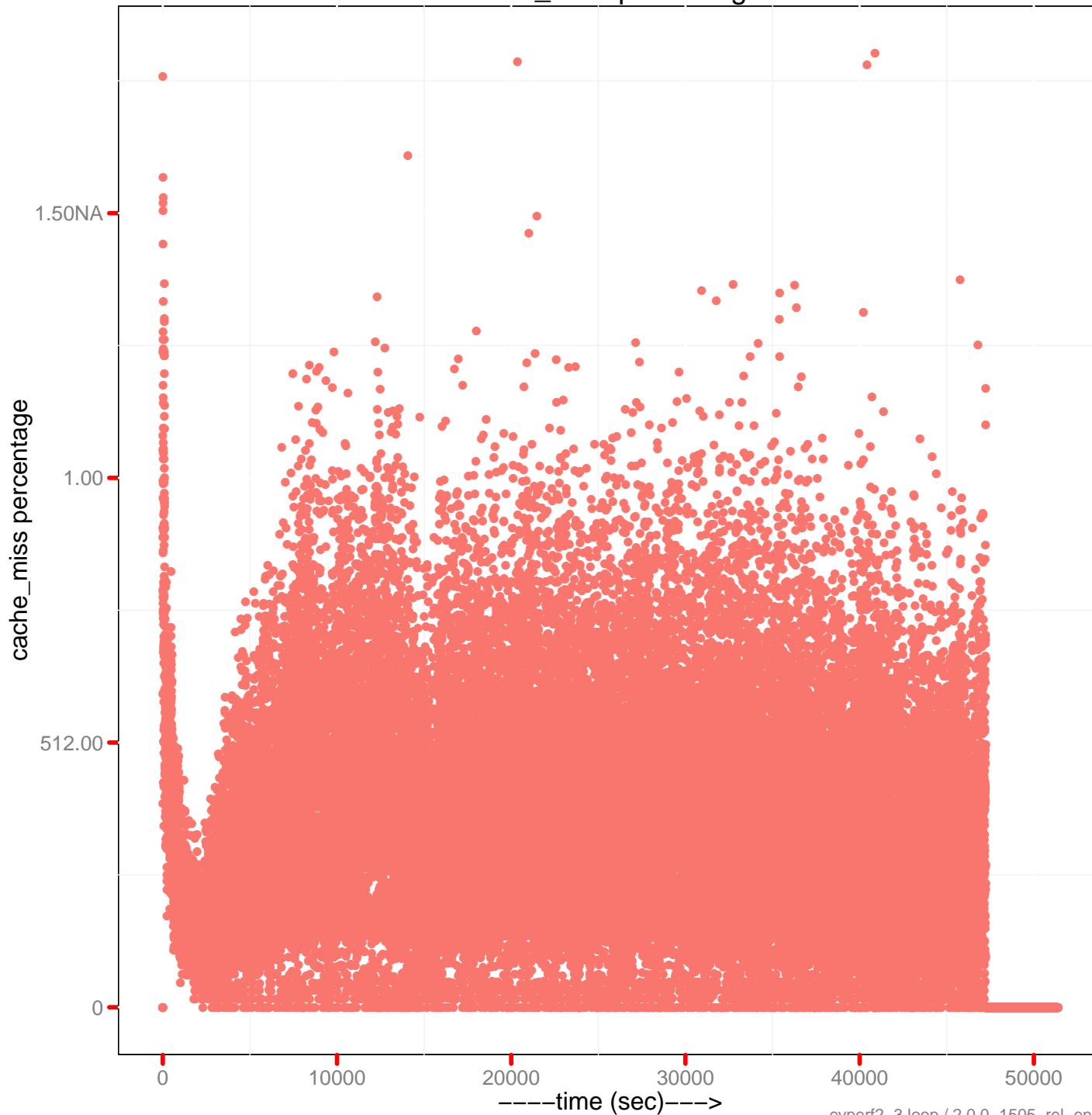
of get misses



of get hits



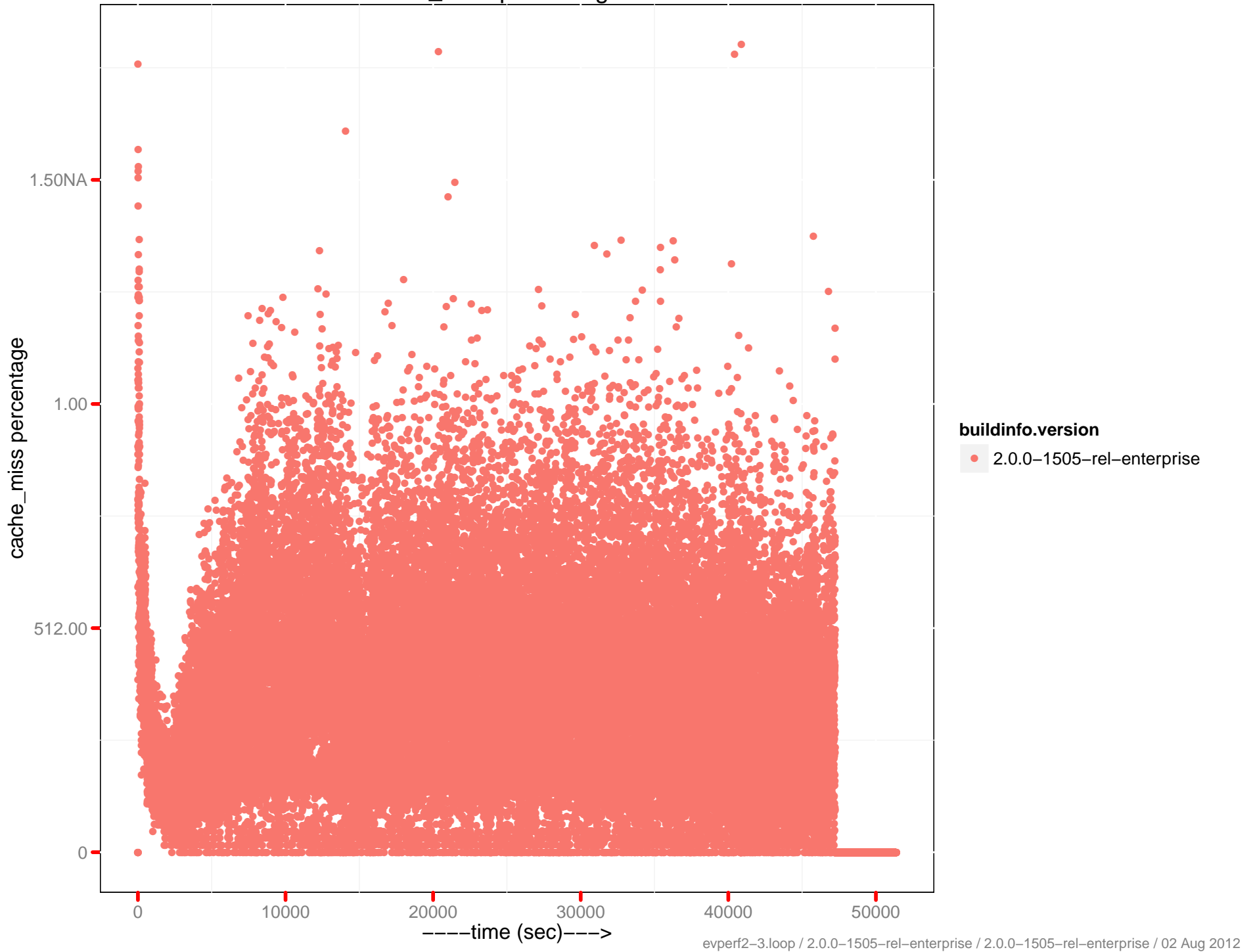
cache_miss percentage



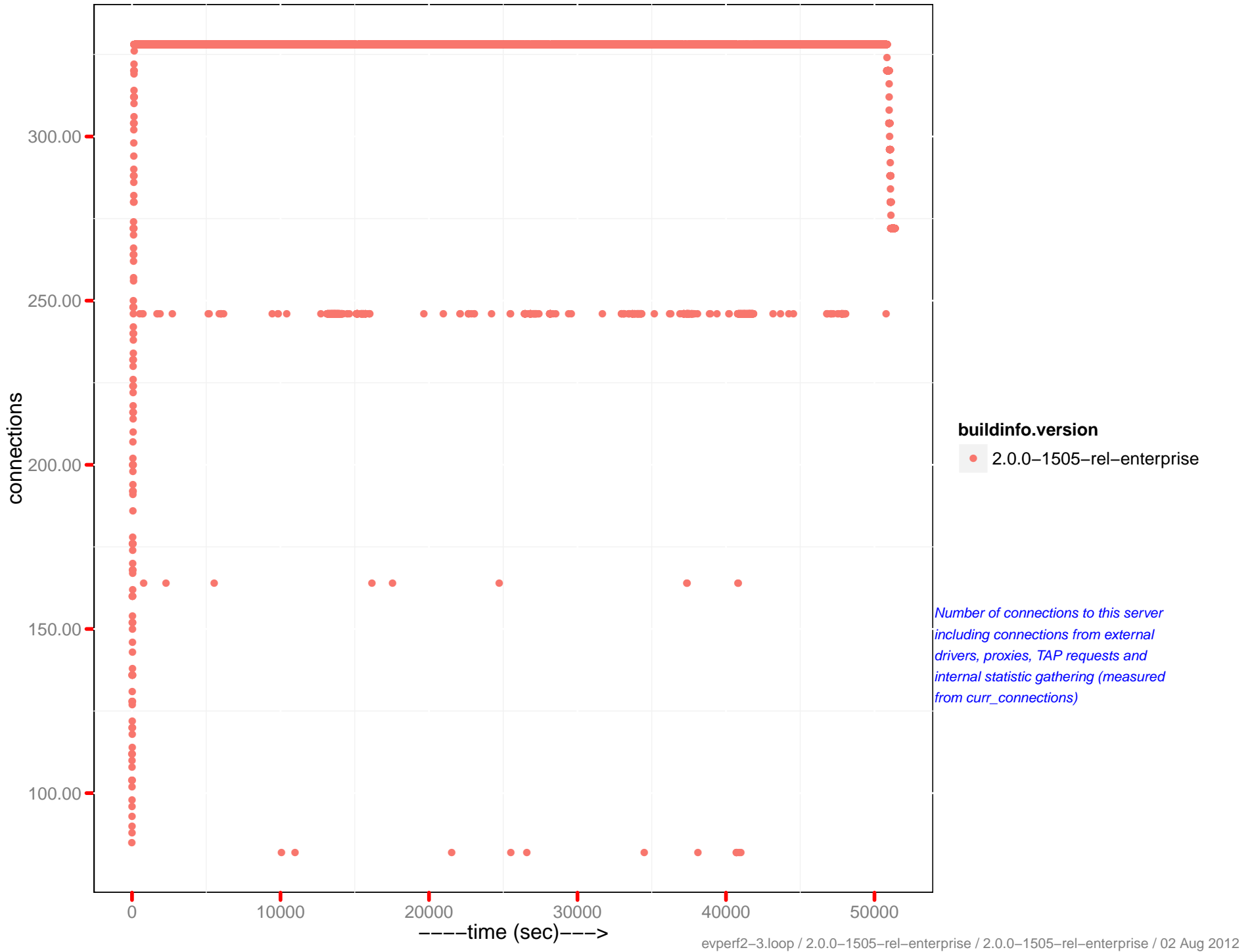
buildinfo.version
● 2.0.0-1505-rel-enterprise

*Percentage of reads per second
from disk as opposed to RAM*

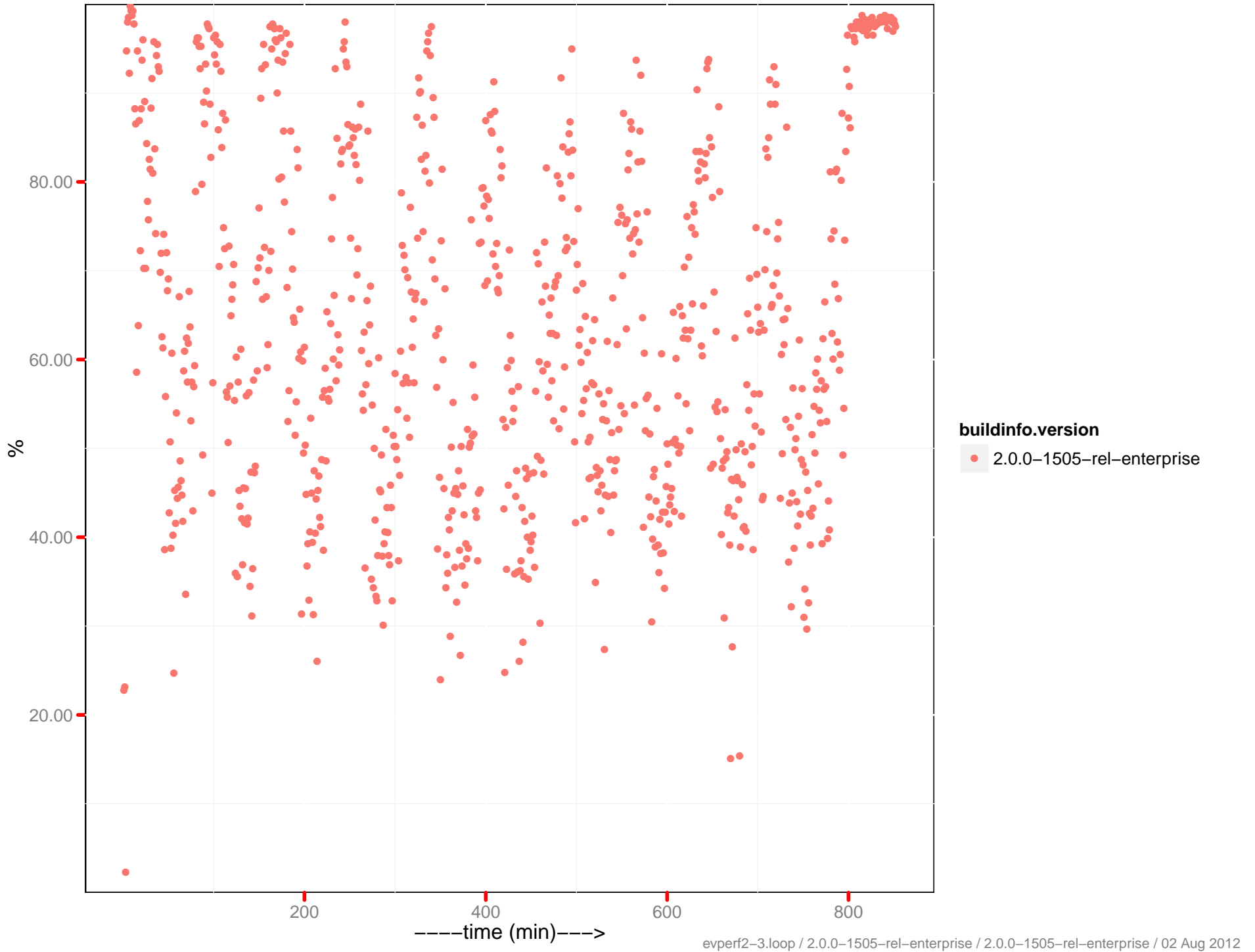
cache_miss percentage 0-5



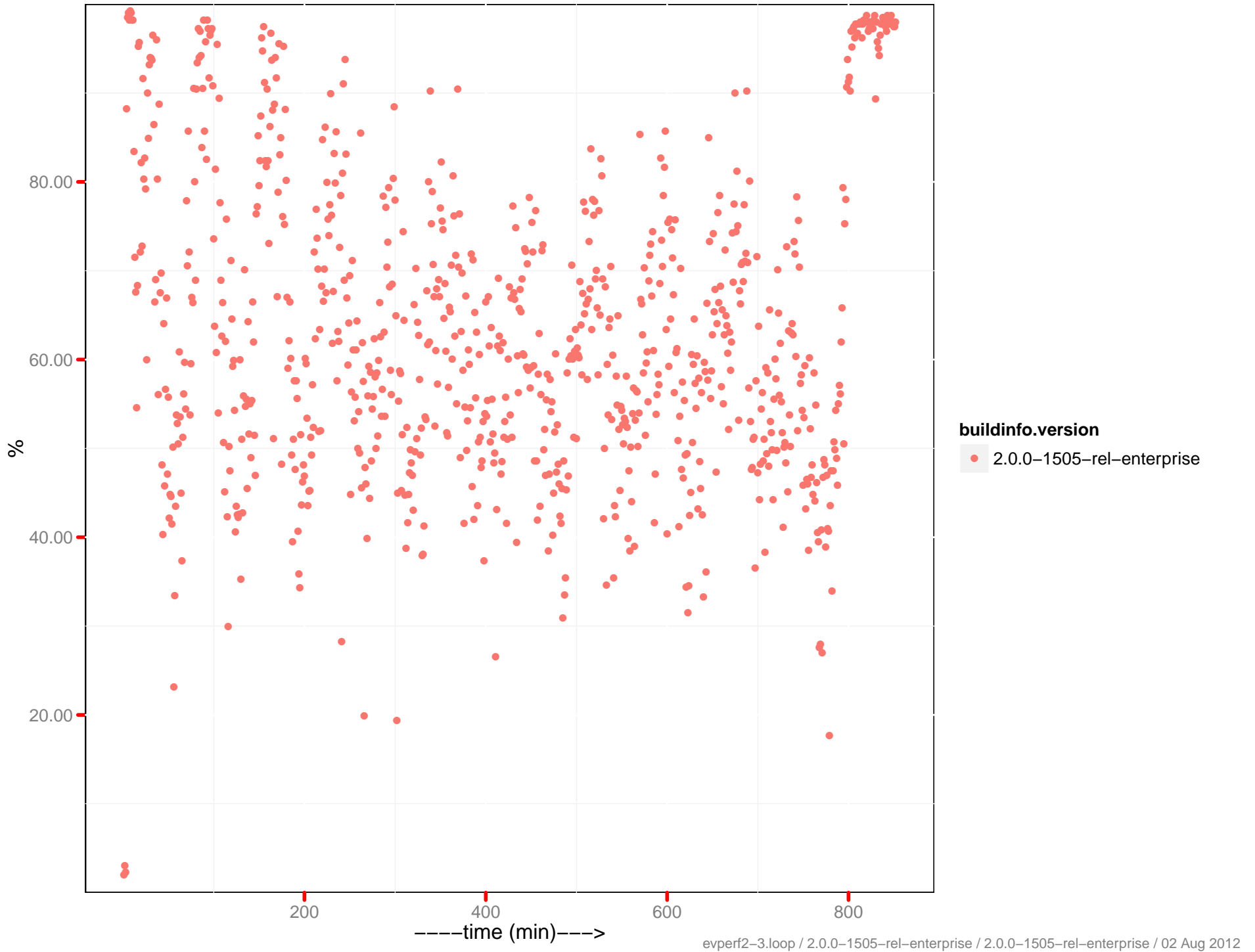
Number of connections



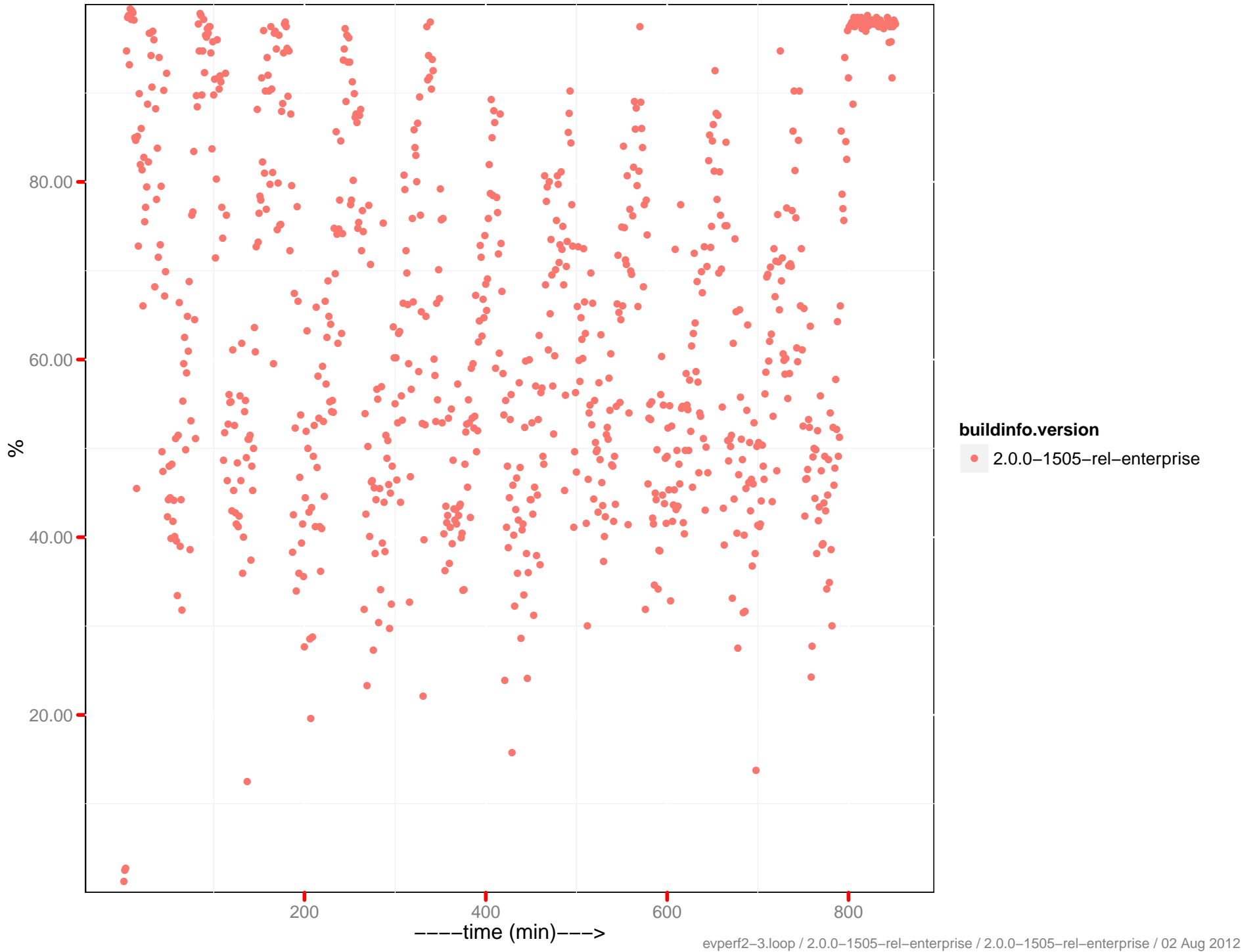
CPU utilization – 10.2.1.61:8091



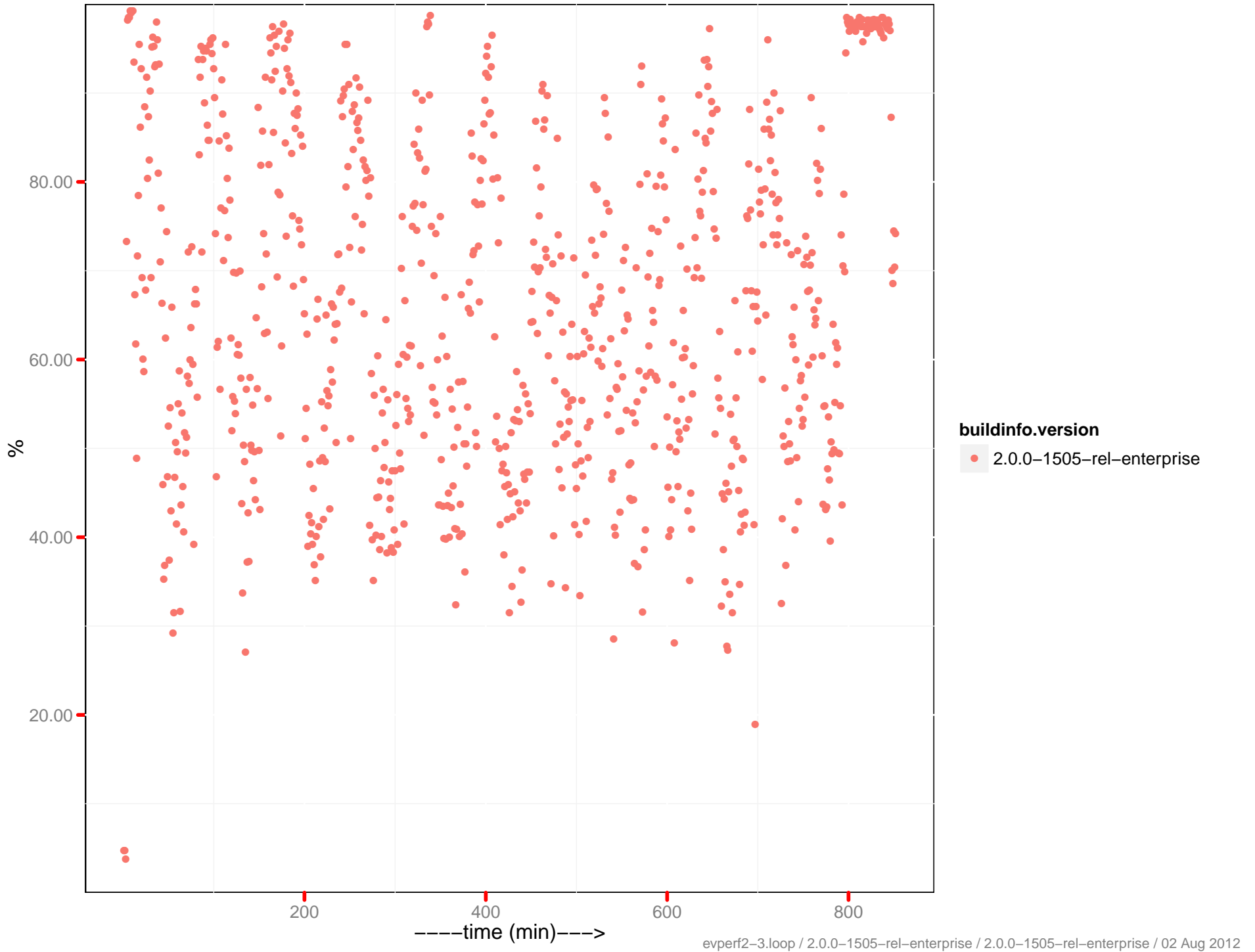
CPU utilization – 10.2.1.62:8091



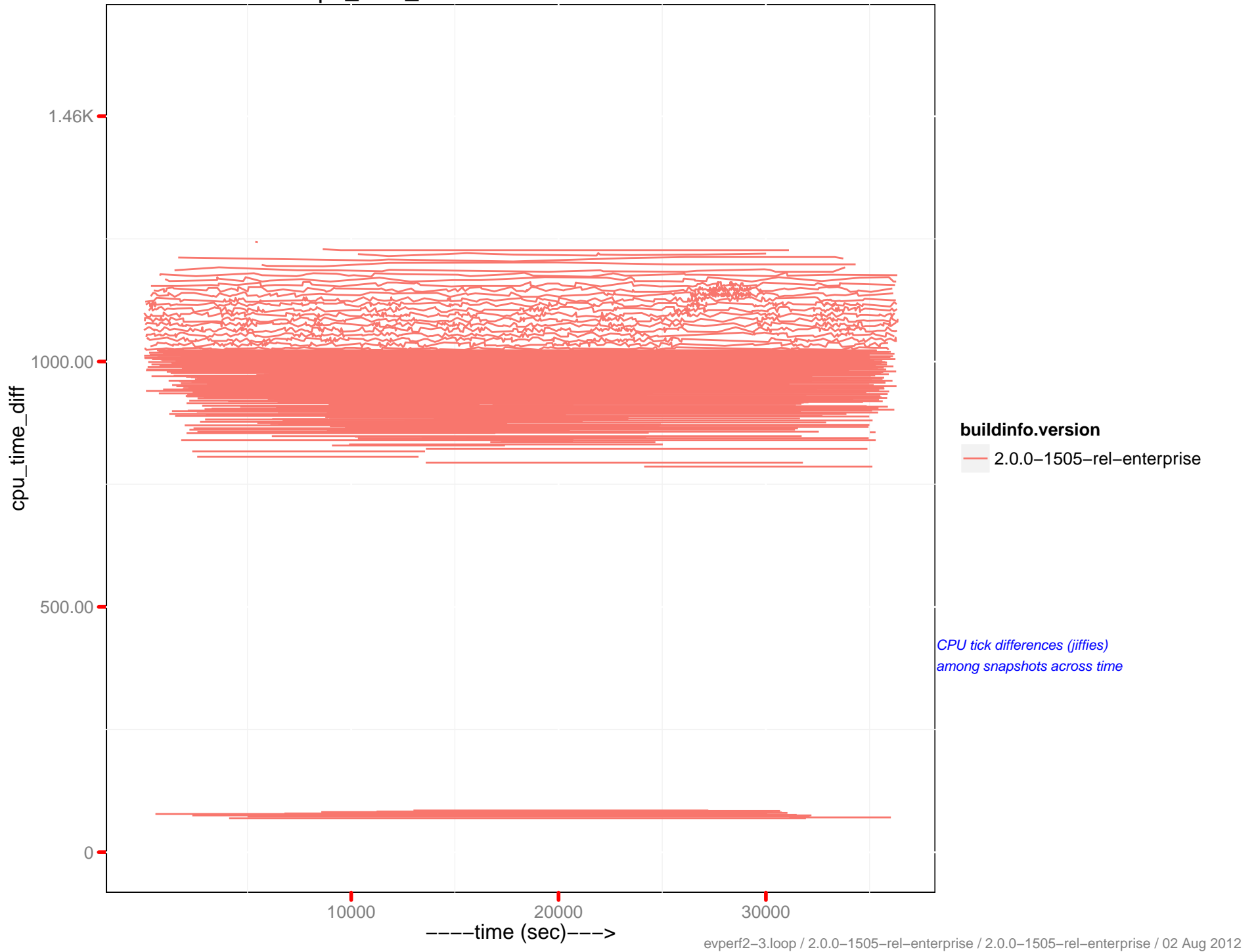
CPU utilization – 10.2.1.63:8091



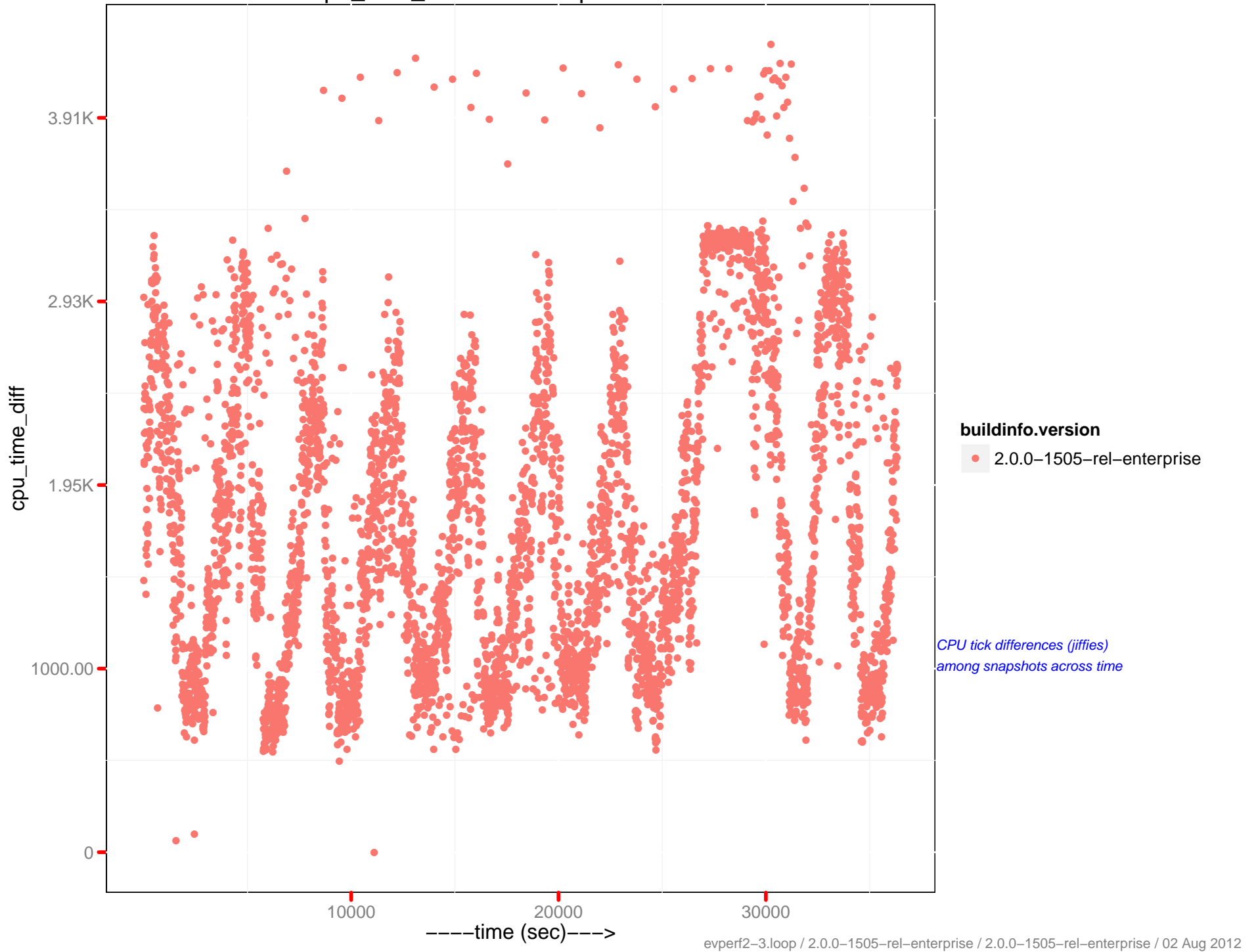
CPU utilization – 10.2.1.64:8091



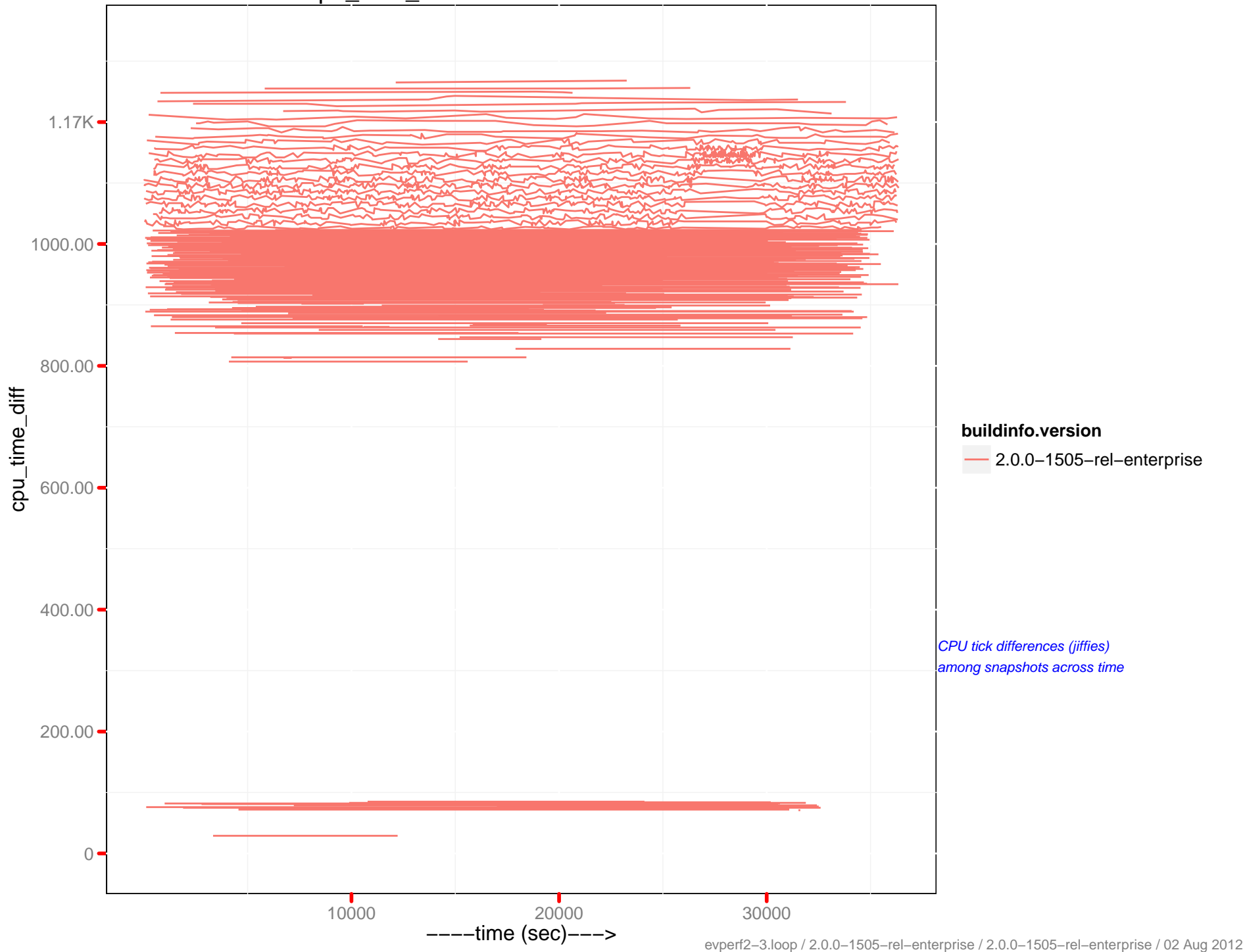
cpu_time_diff: memcached – 10.2.1.61



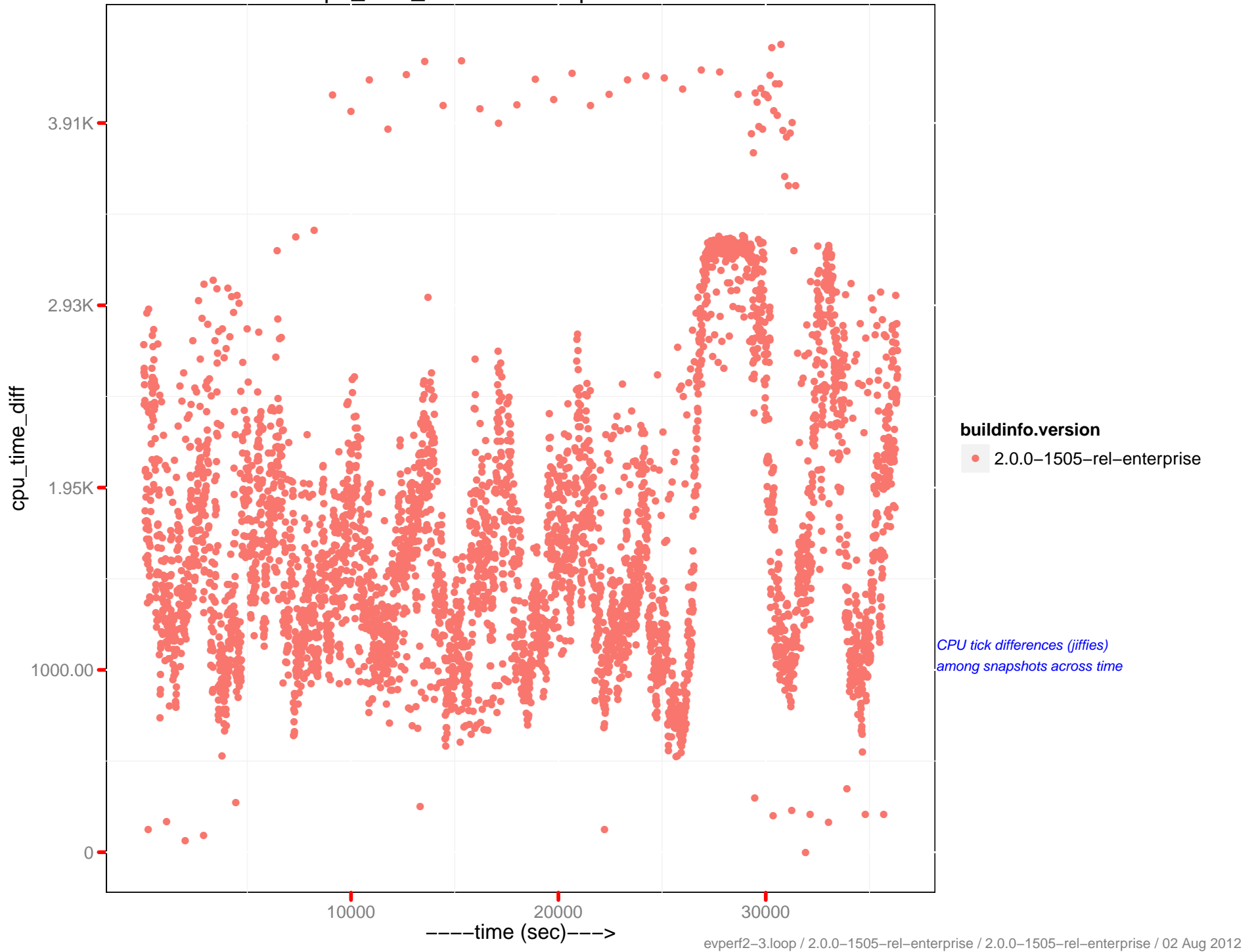
cpu_time_diff : beam.smp - 10.2.1.61



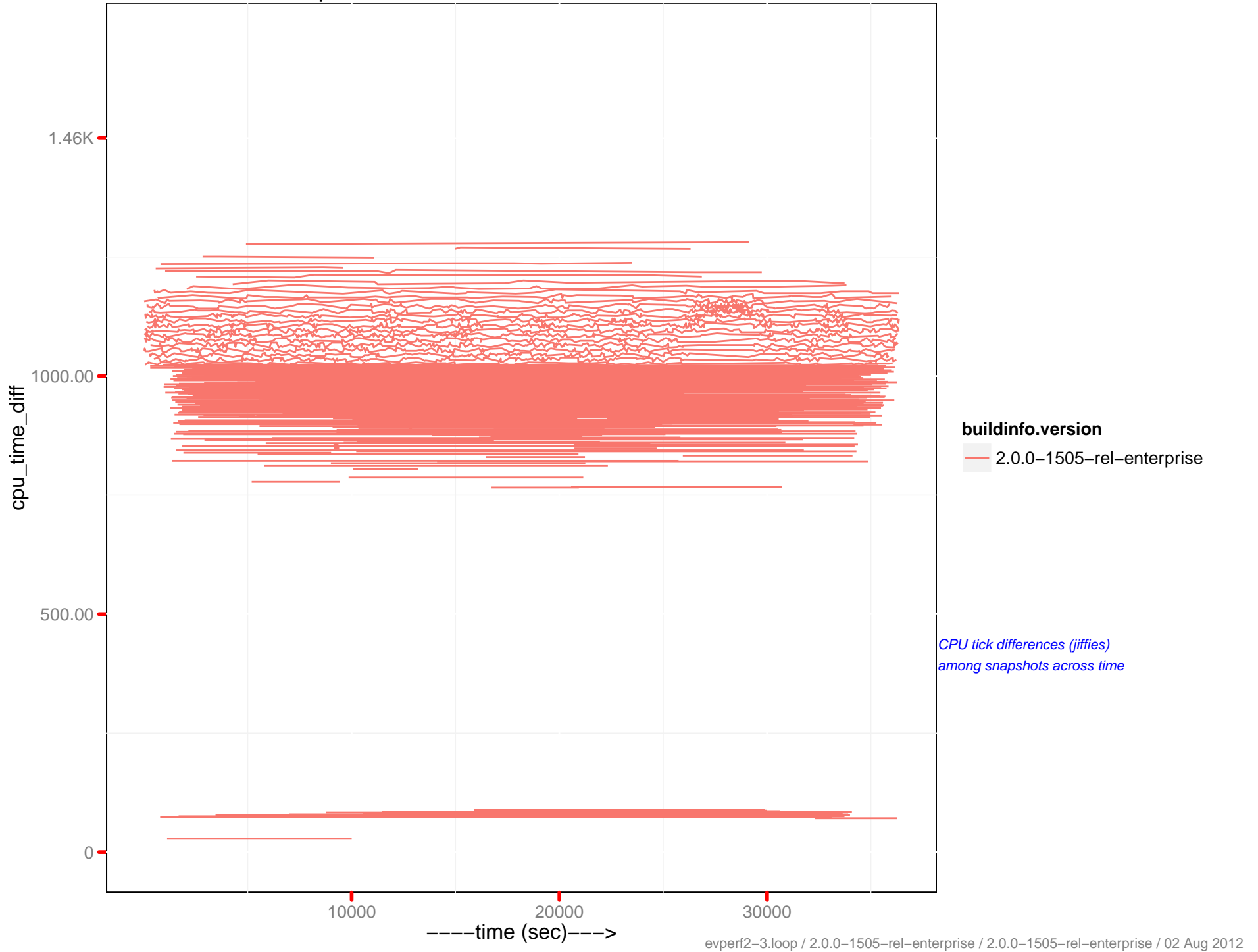
cpu_time_diff: memcached – 10.2.1.62



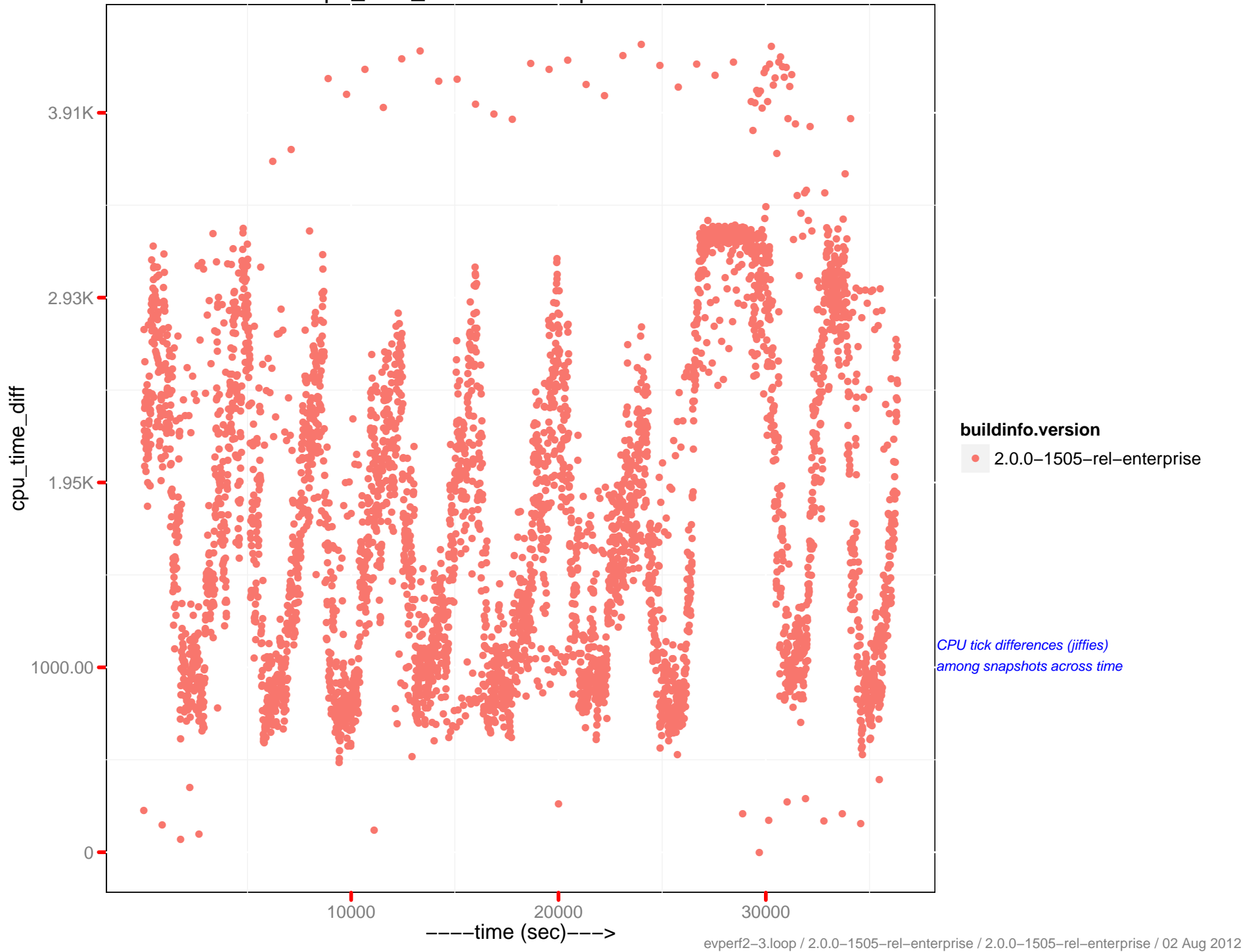
cpu_time_diff : beam.smp - 10.2.1.62



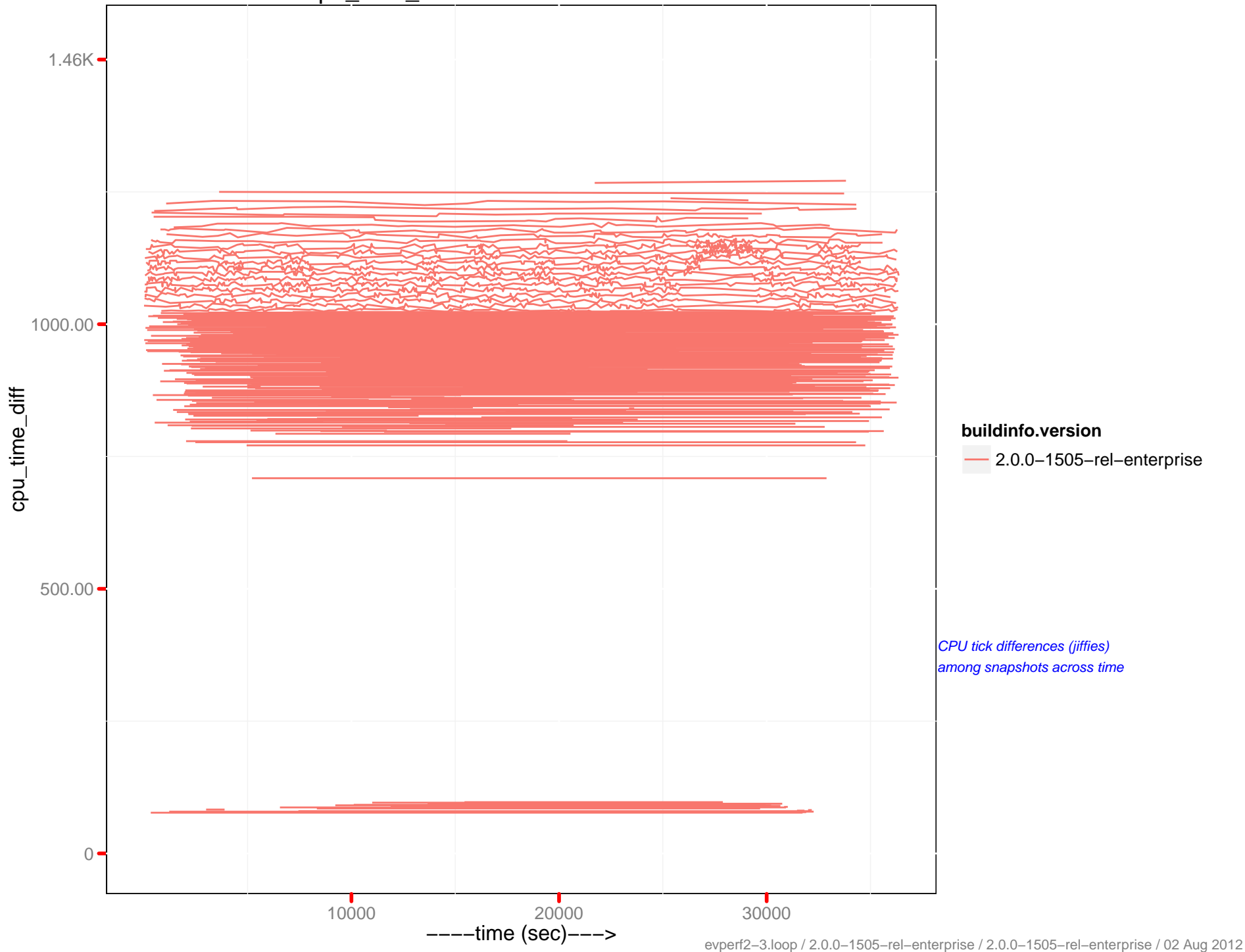
cpu_time_diff: memcached – 10.2.1.63



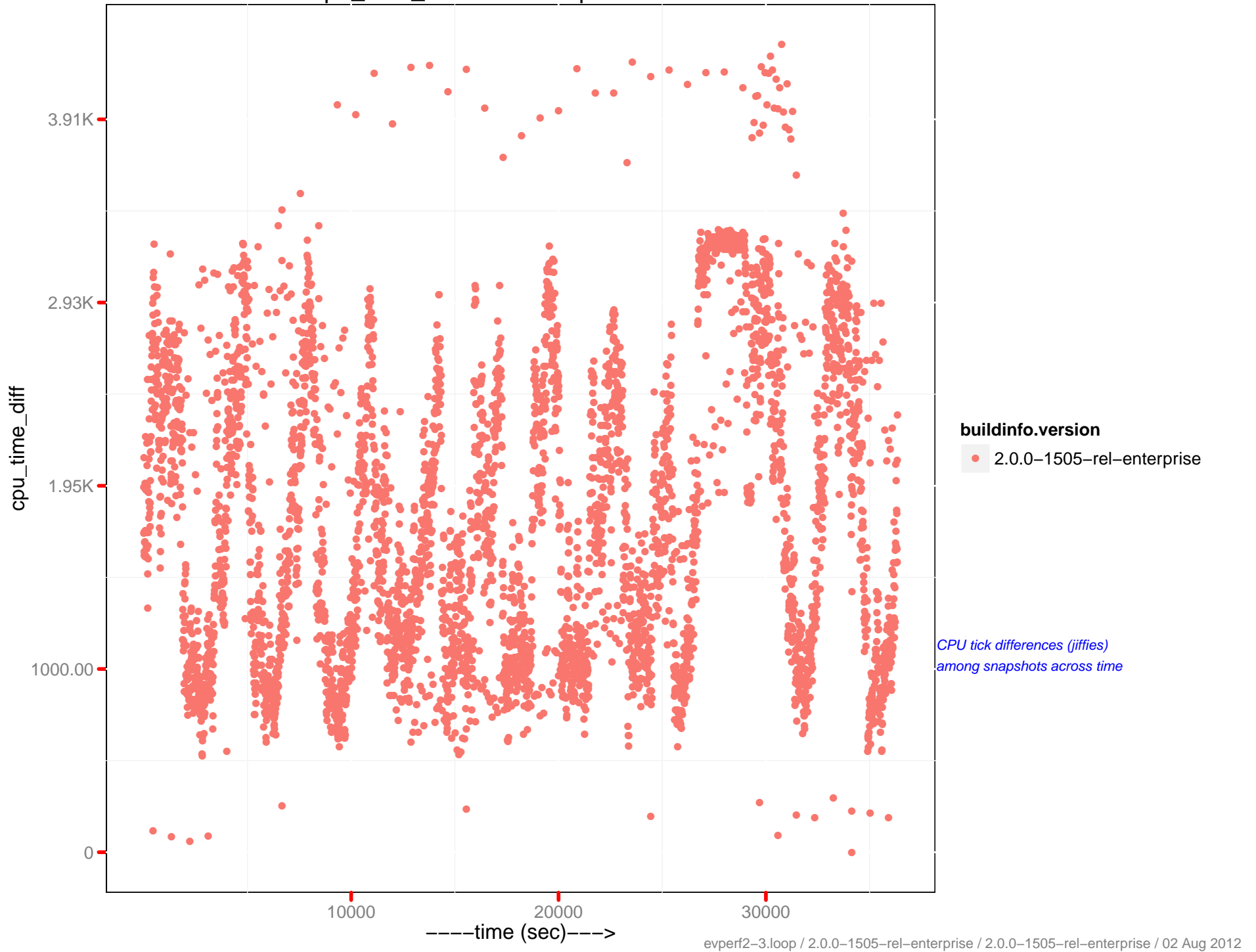
cpu_time_diff : beam.smp - 10.2.1.63



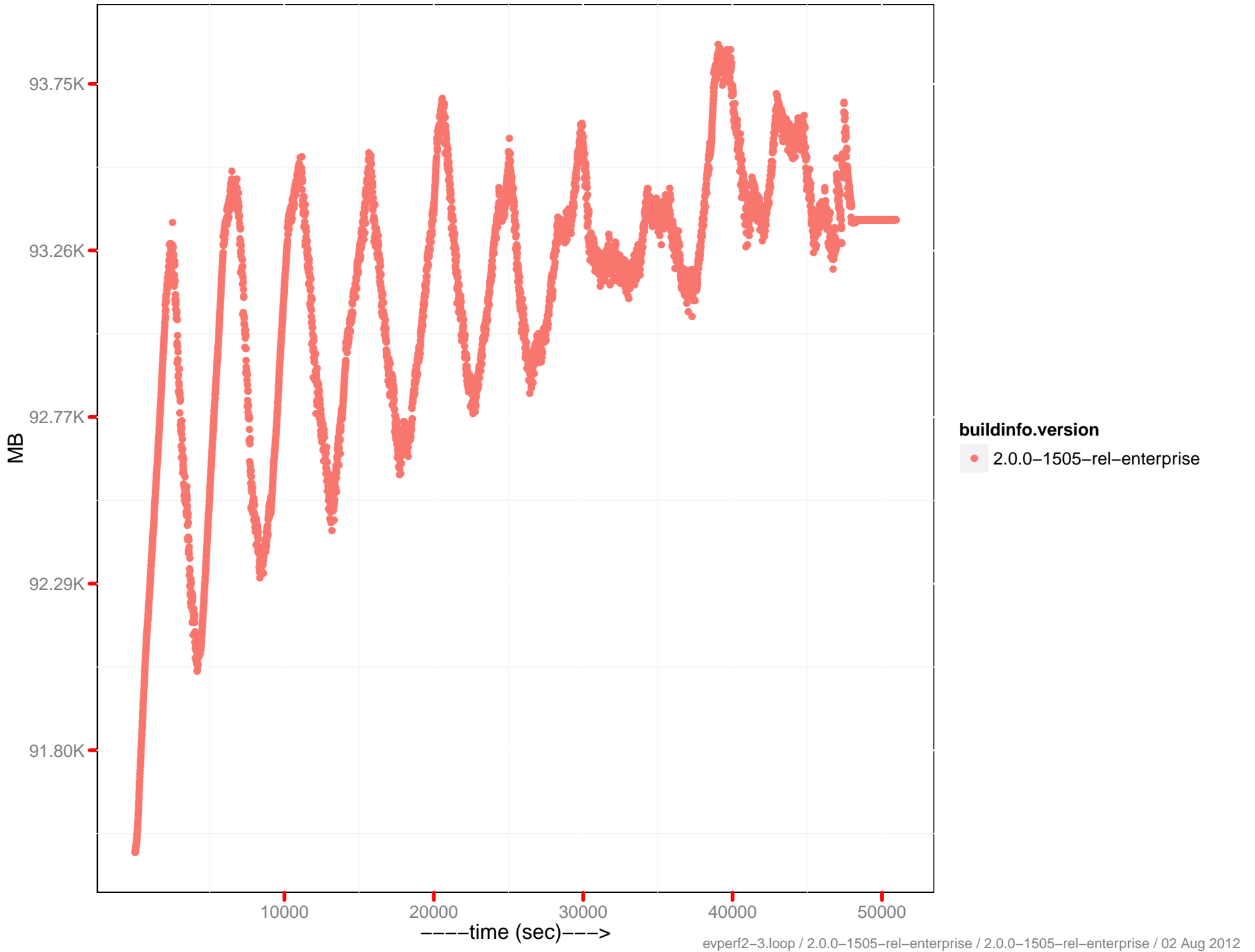
cpu_time_diff: memcached - 10.2.1.64



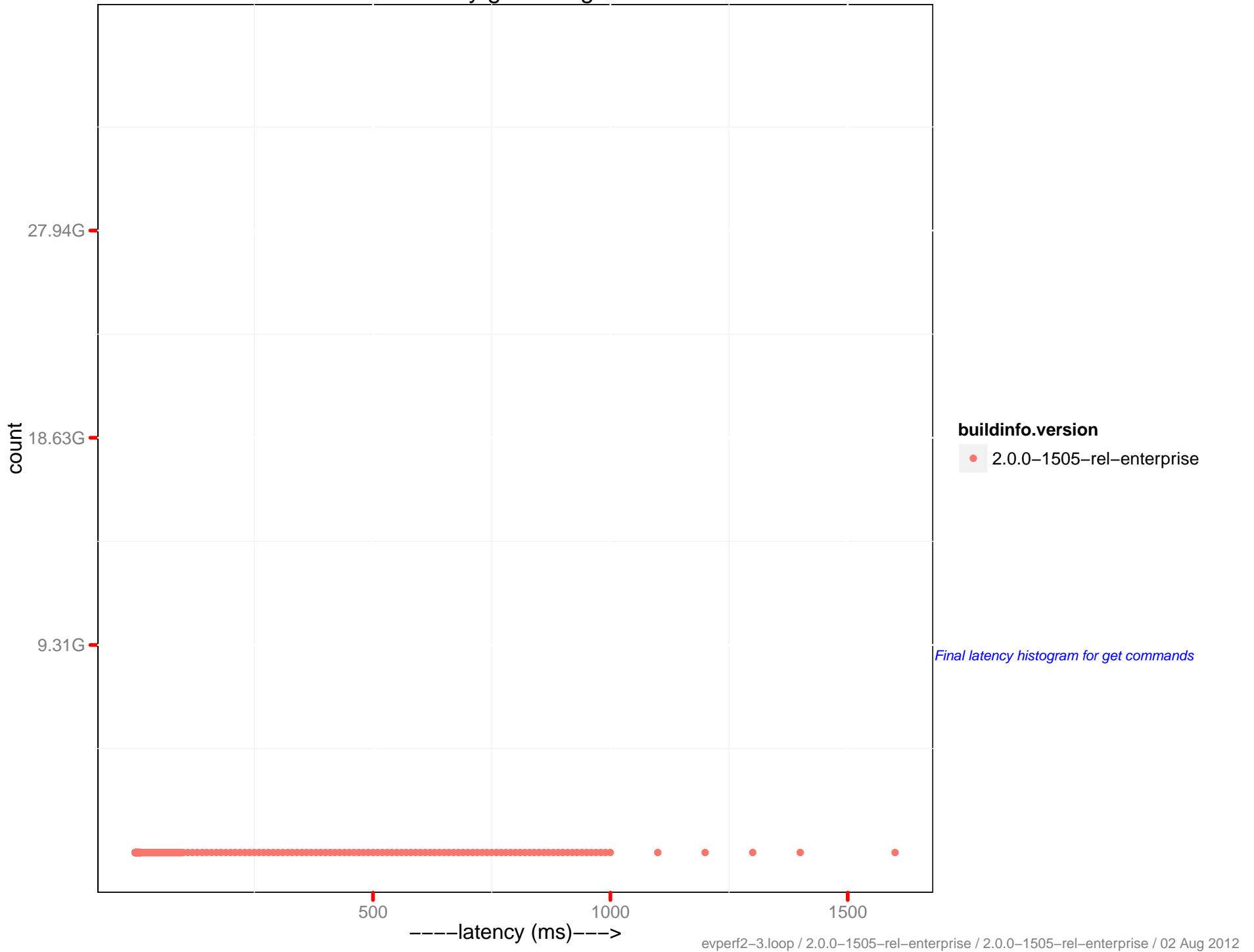
cpu_time_diff : beam.smp - 10.2.1.64



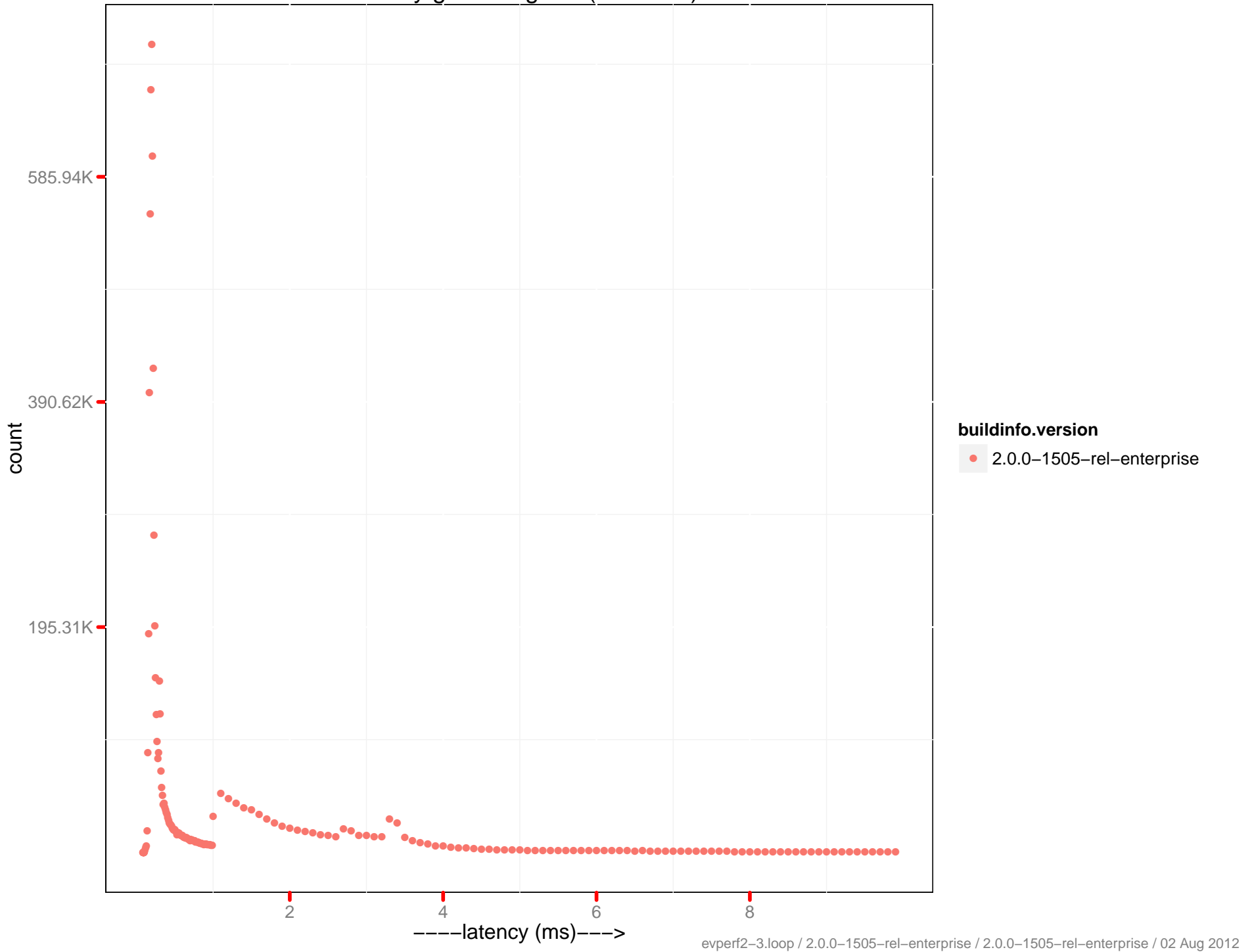
Data disk size



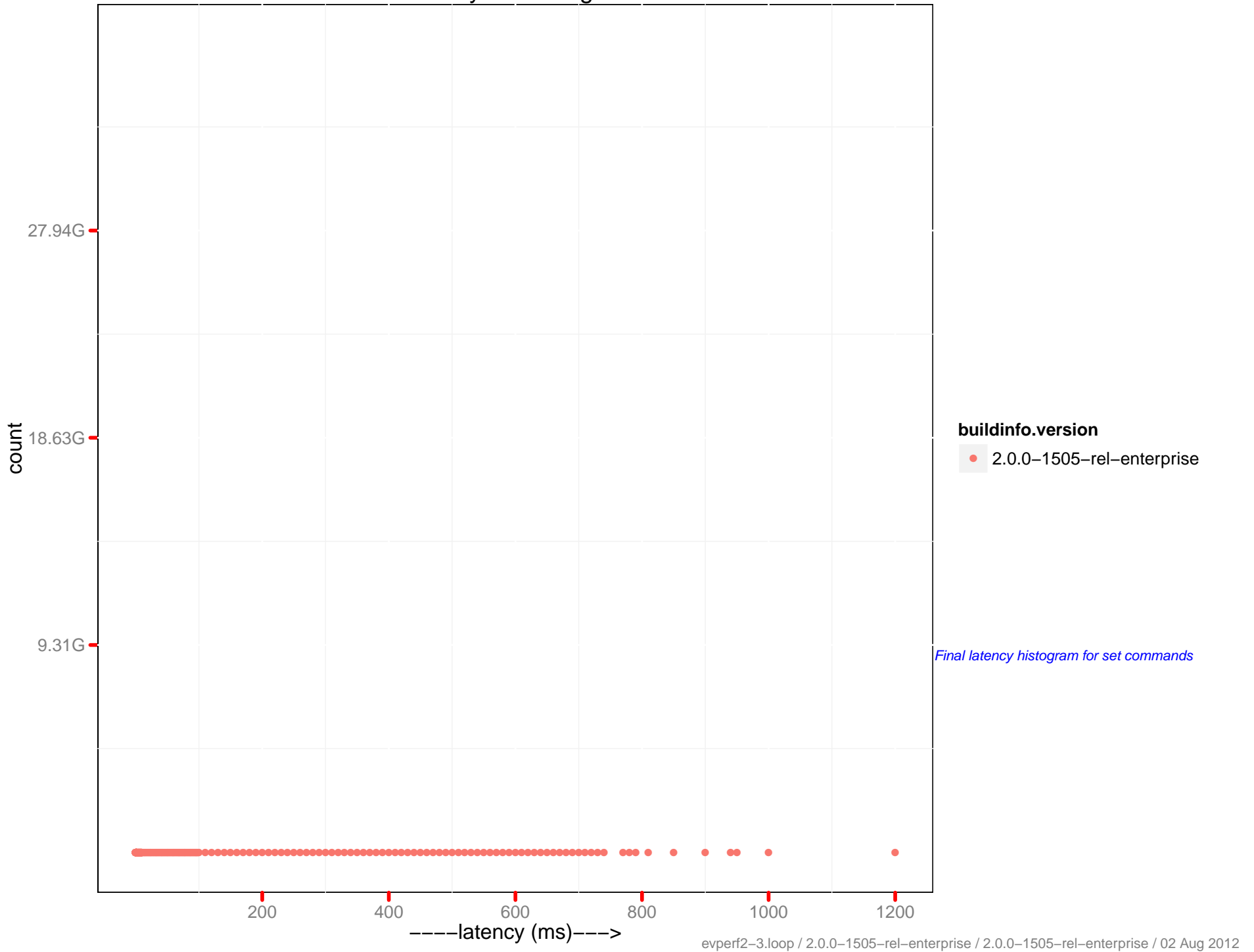
Latency get histogram



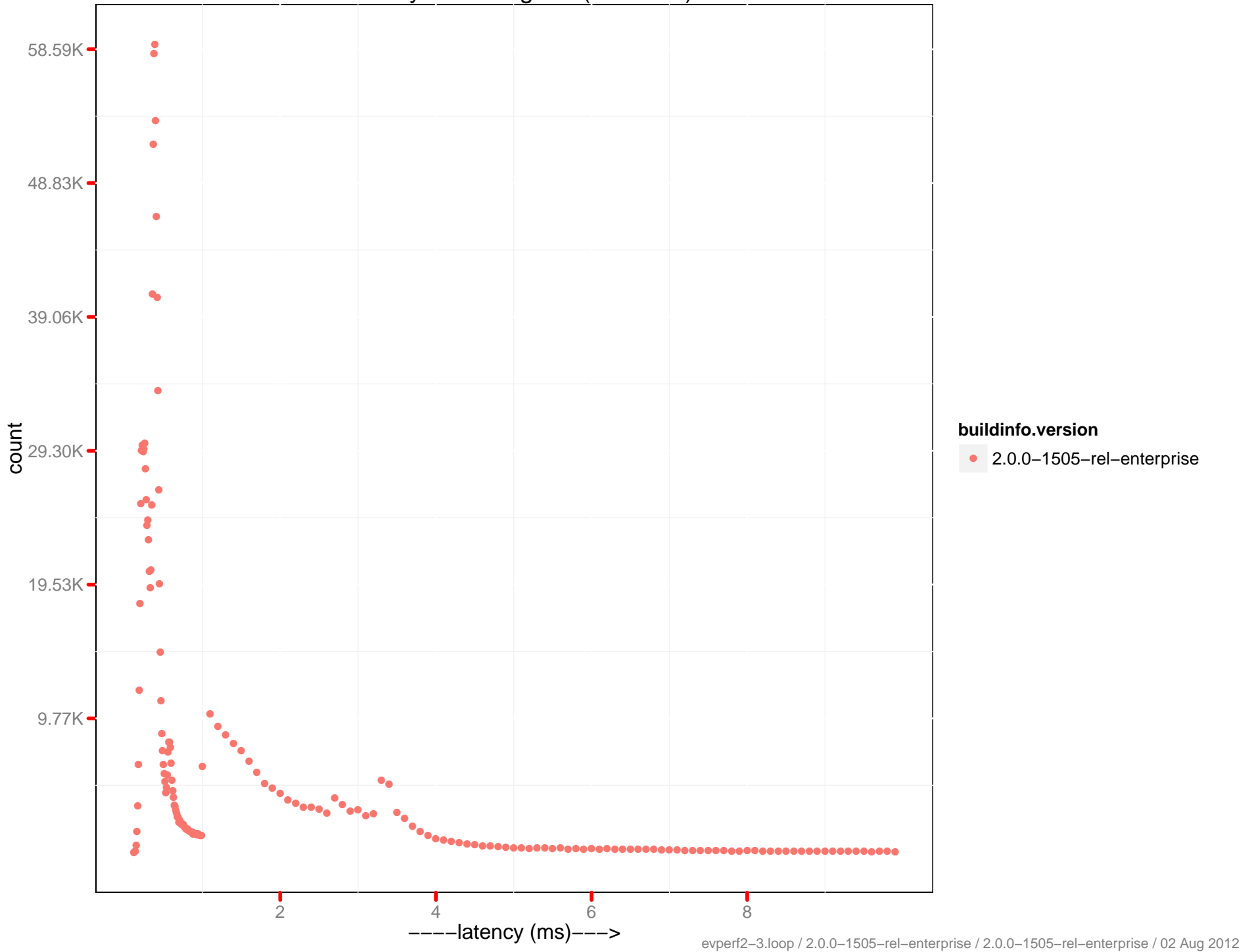
Latency get histogram (0–10 ms)



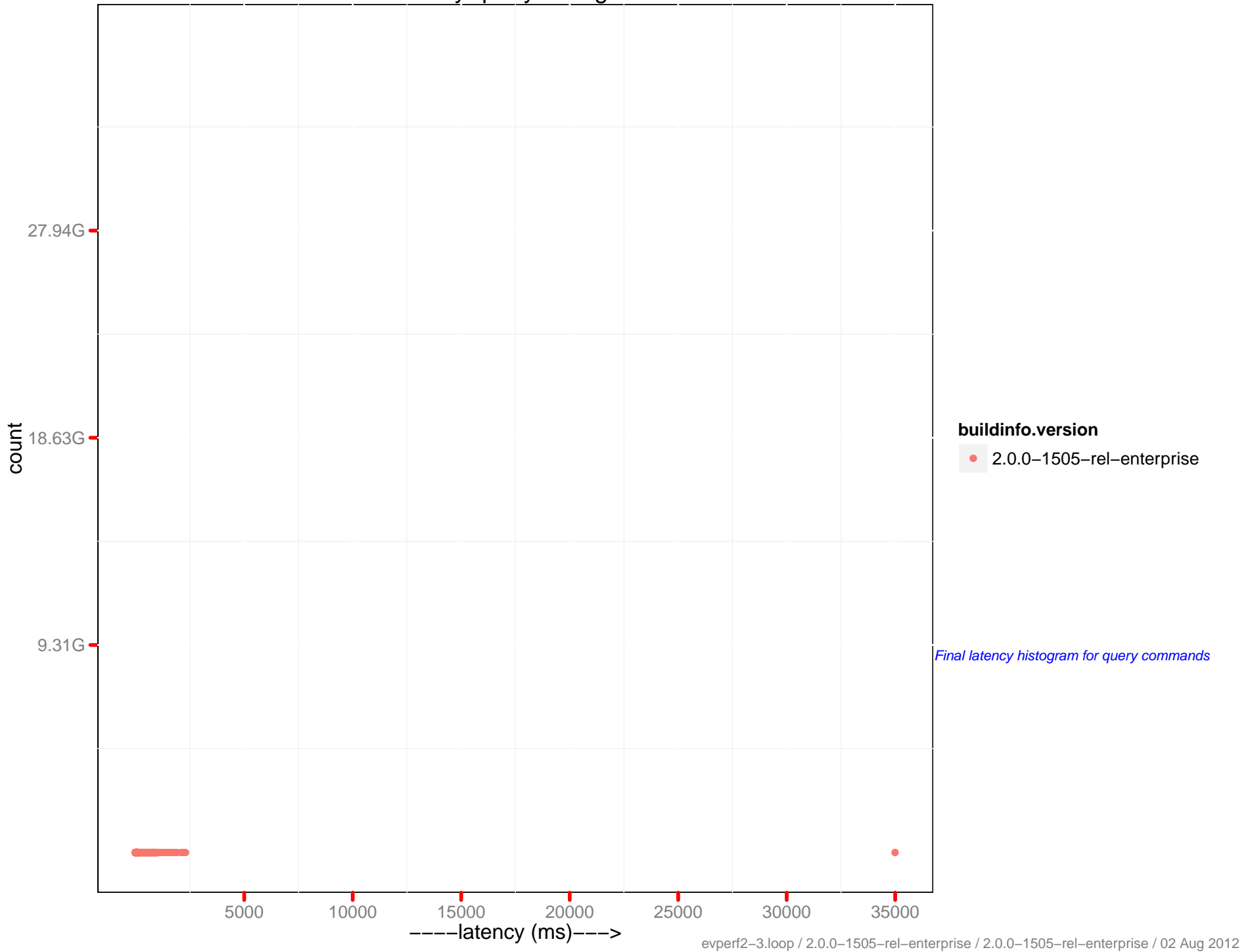
Latency set histogram



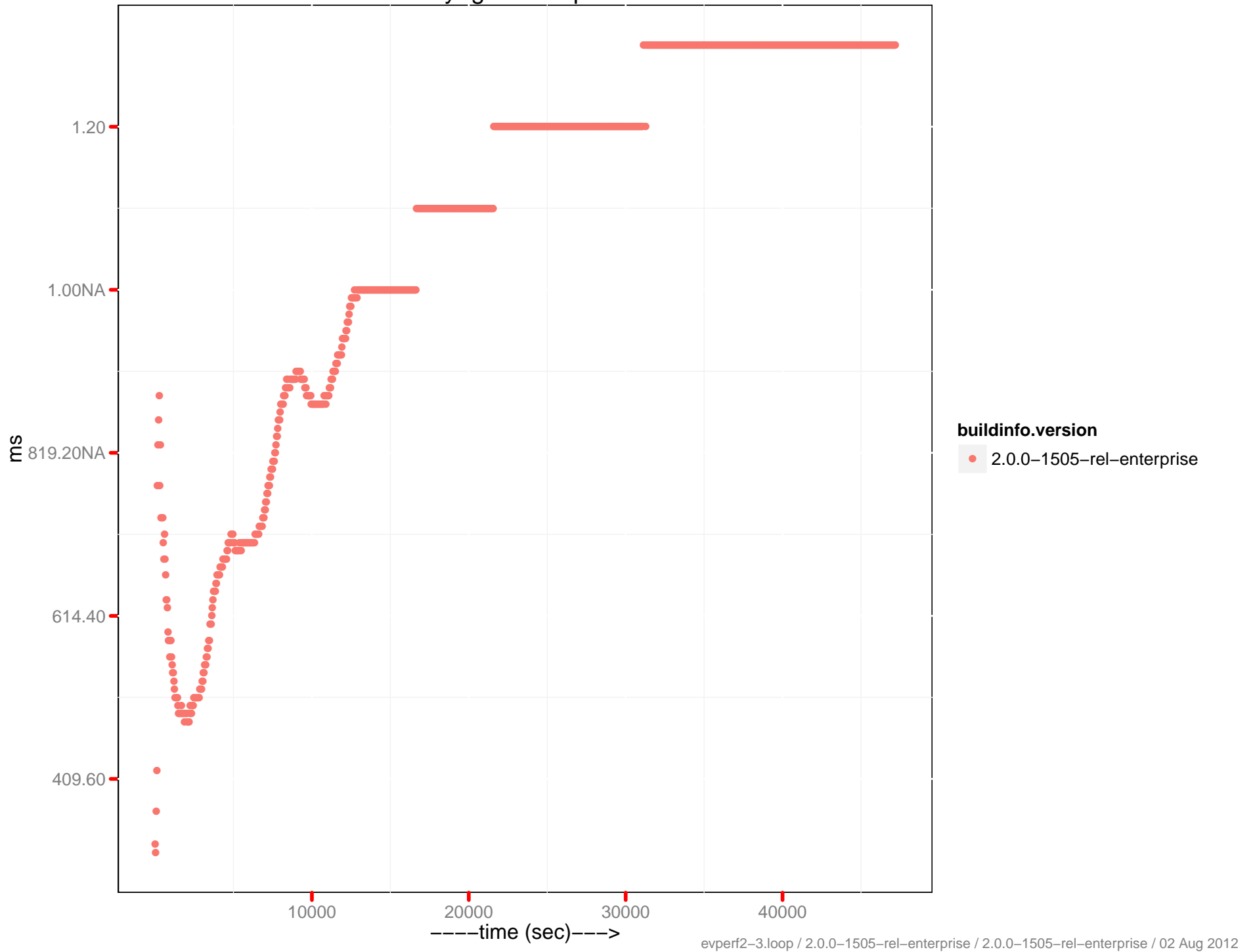
Latency set histogram (0–10 ms)



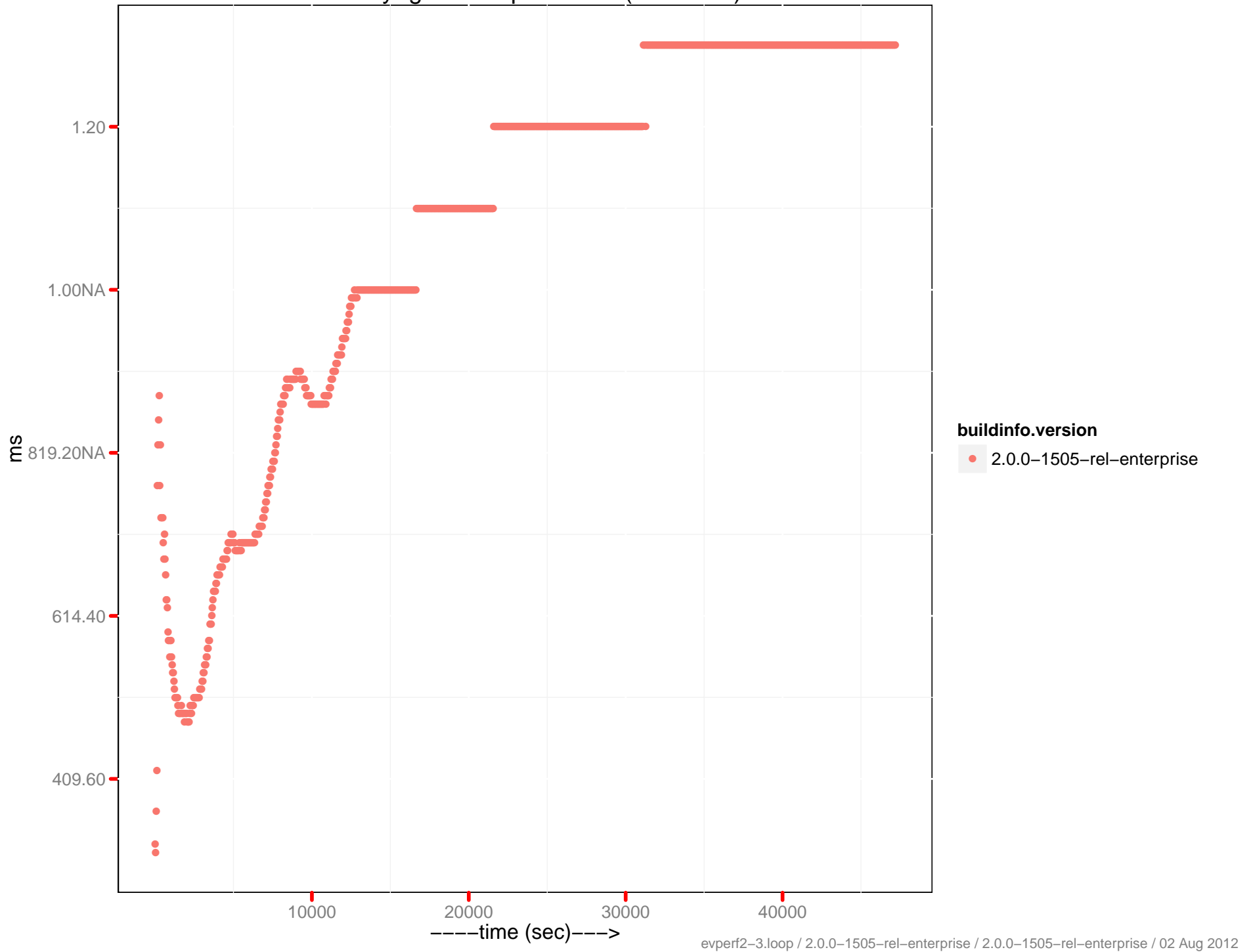
Latency query histogram



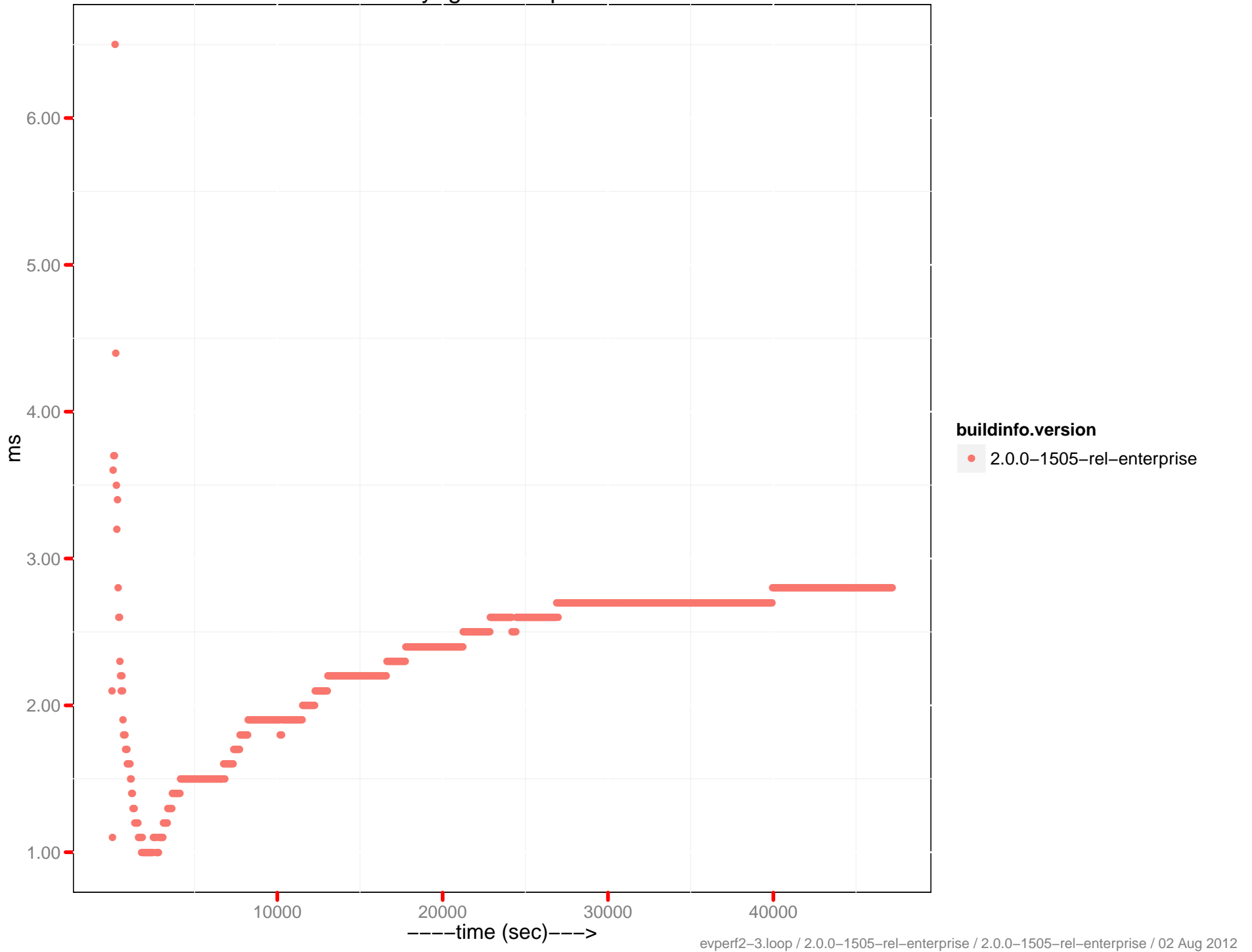
Latency-get 90th percentile



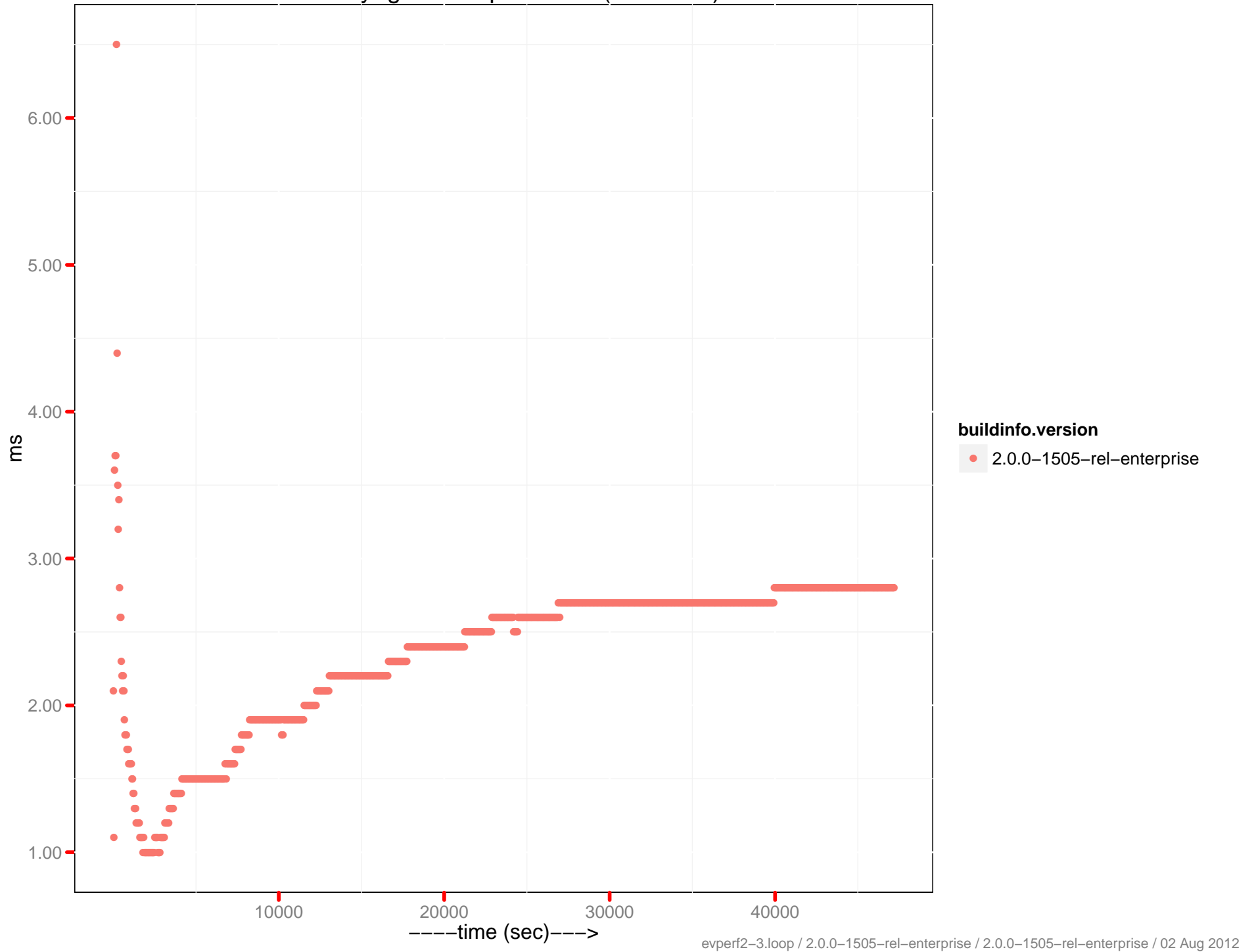
Latency-get 90th percentile (0 - 10ms)



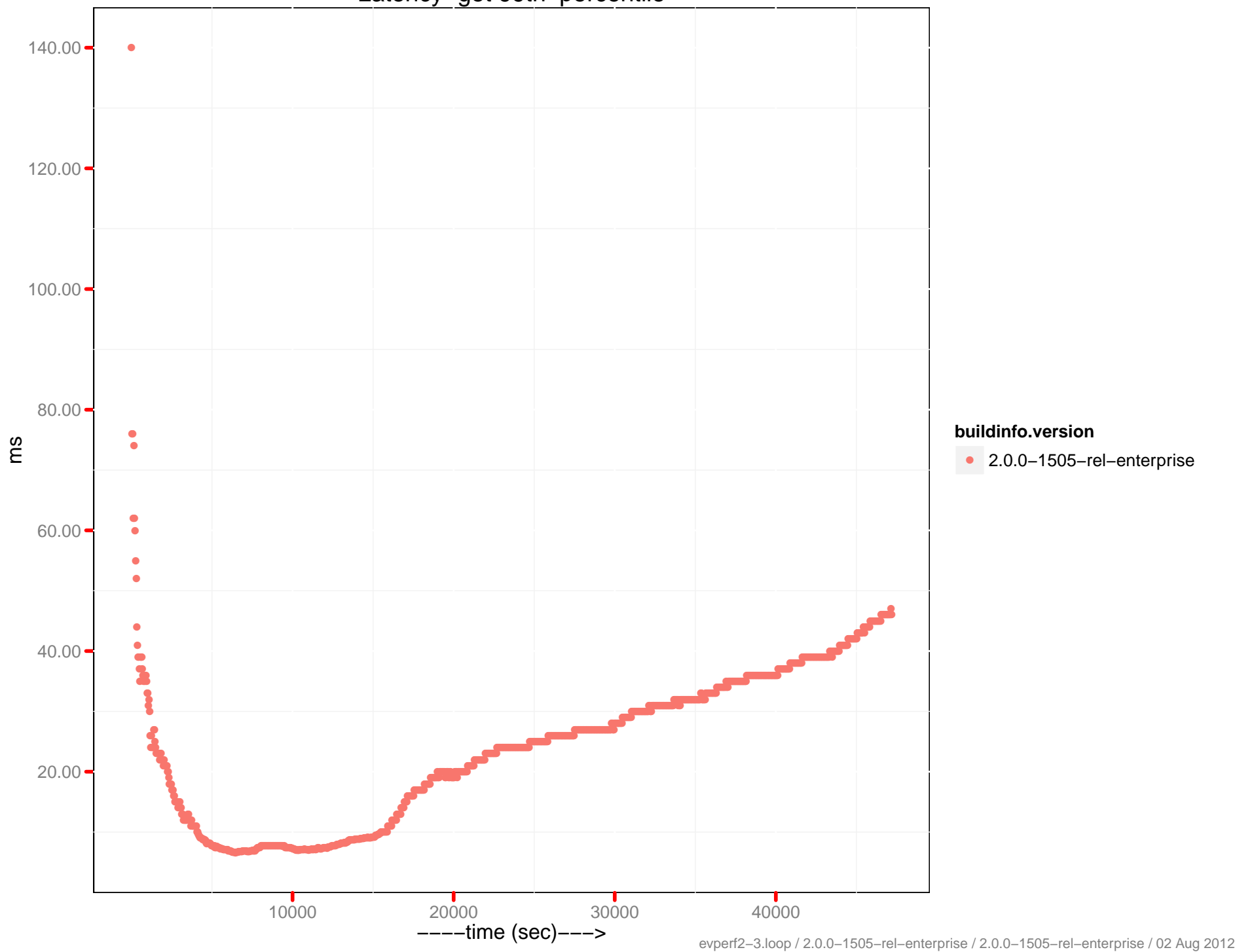
Latency-get 95th percentile



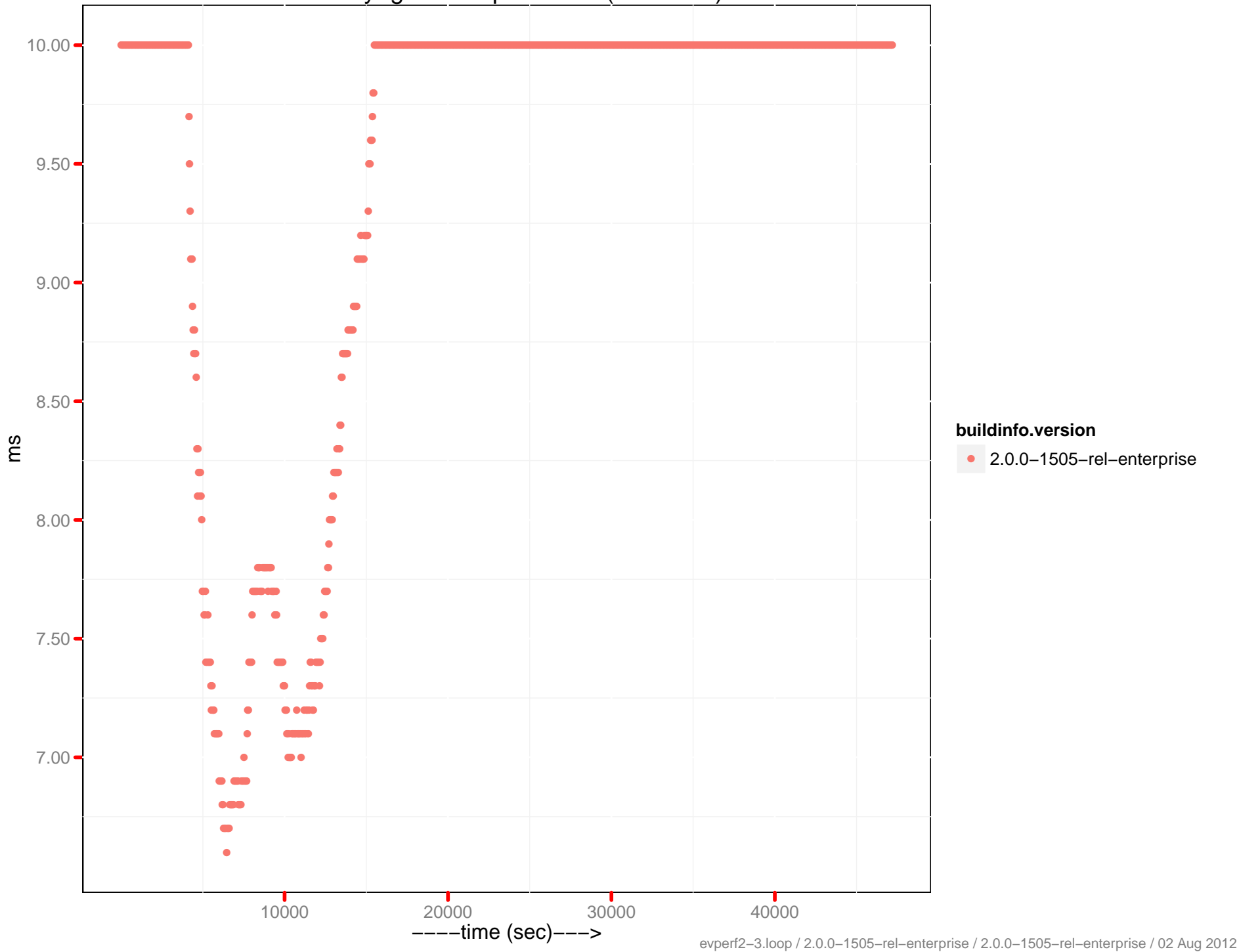
Latency-get 95th percentile (0 - 10ms)



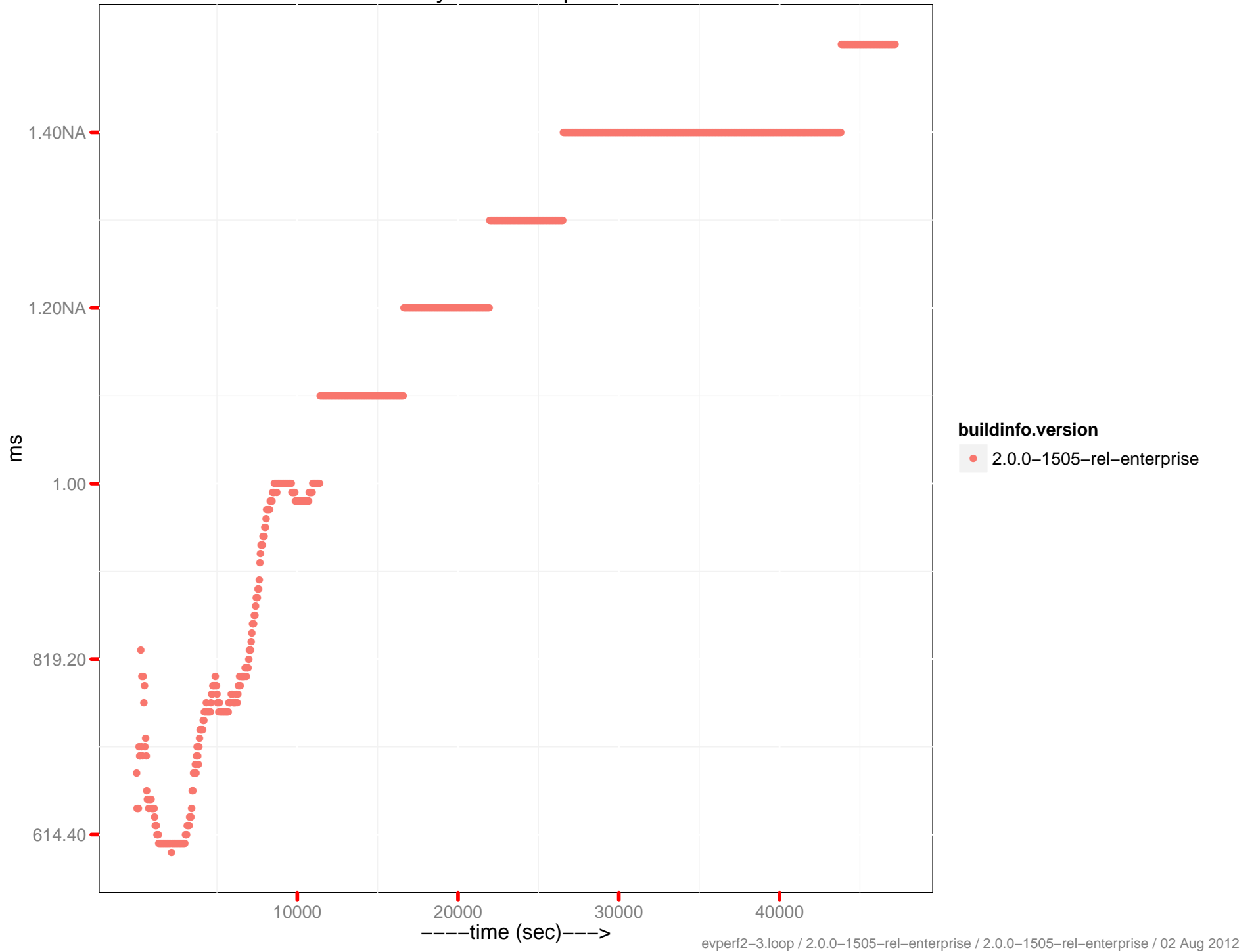
Latency-get 99th percentile



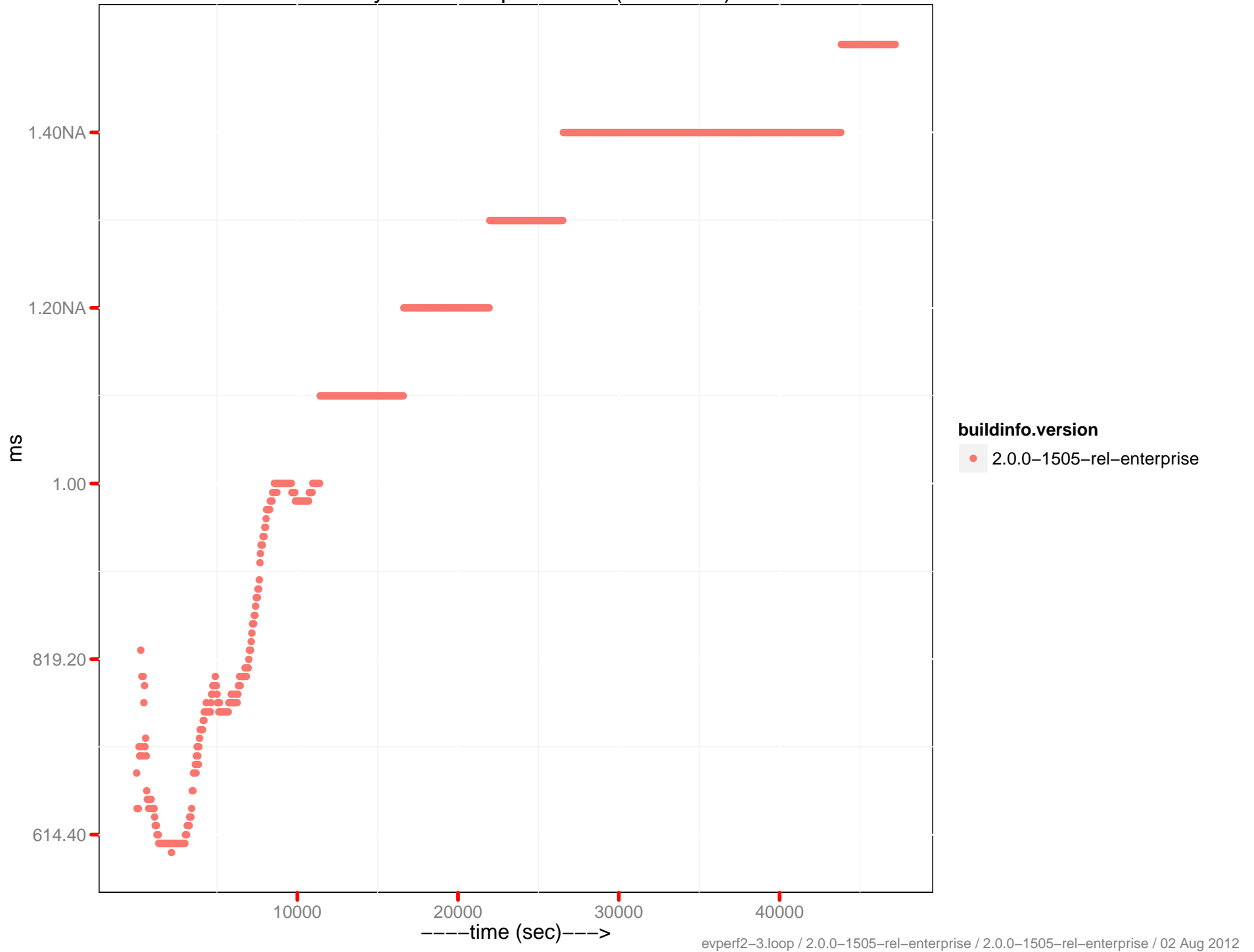
Latency-get 99th percentile (0 - 10ms)



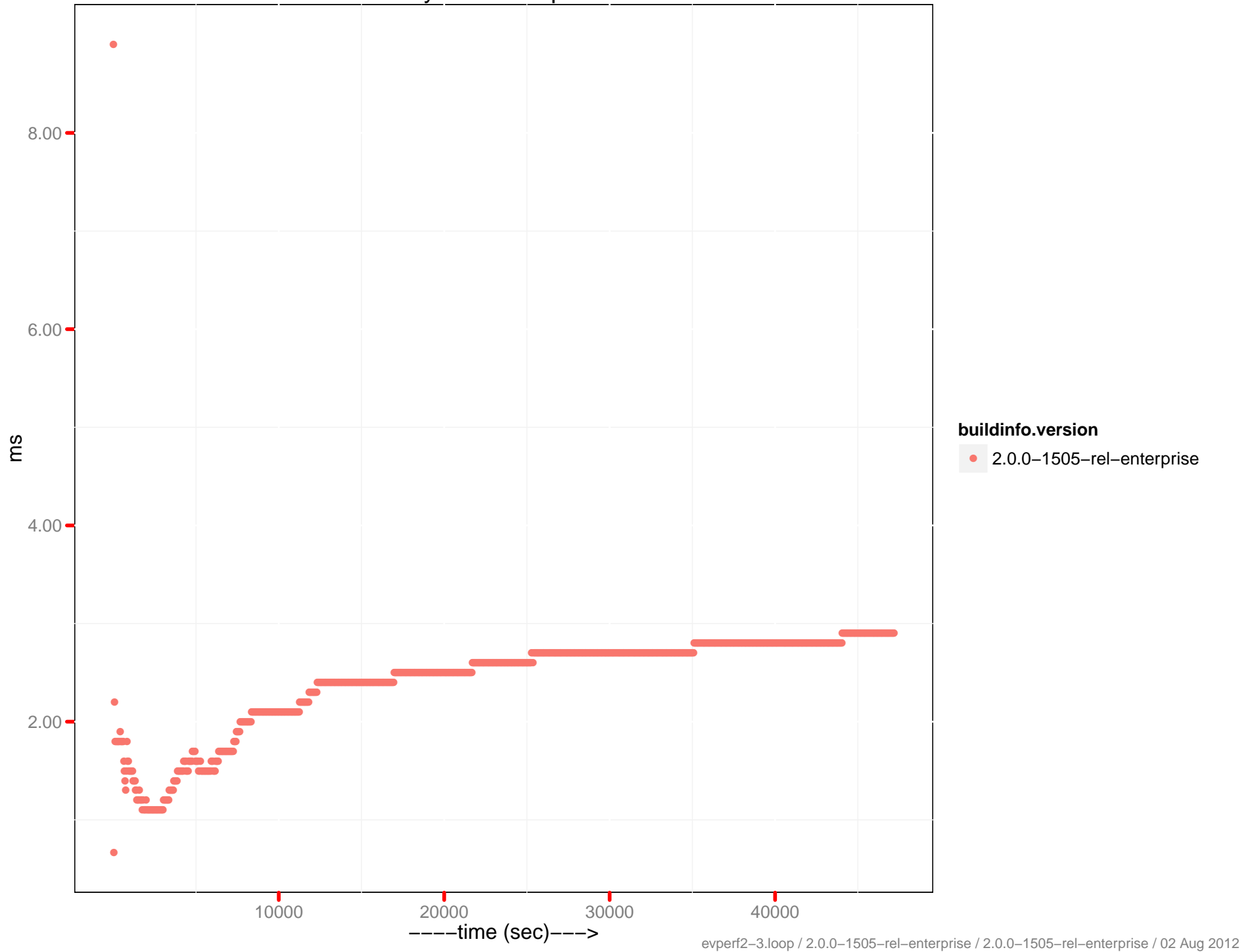
Latency-set 90th percentile



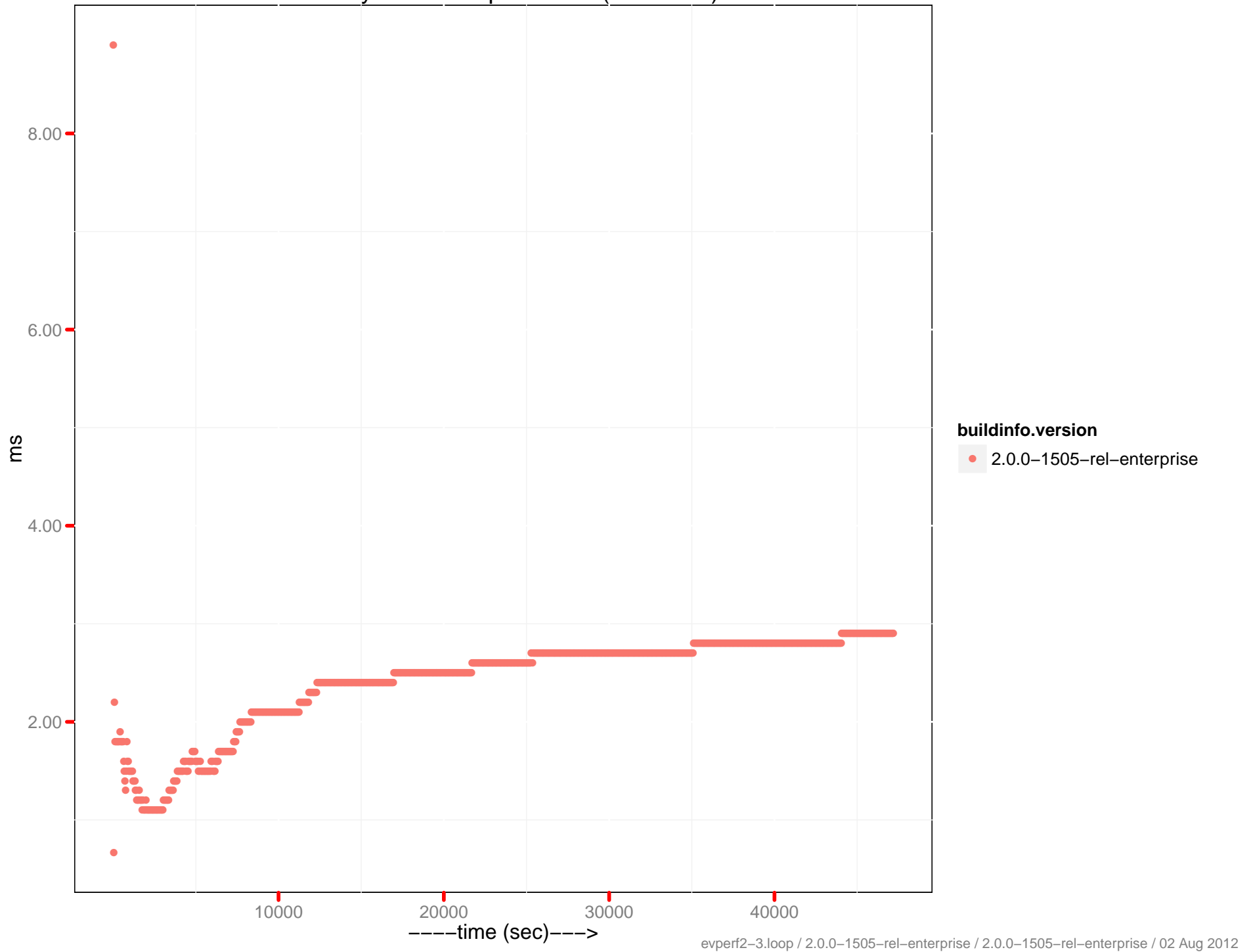
Latency-set 90th percentile (0 - 10ms)



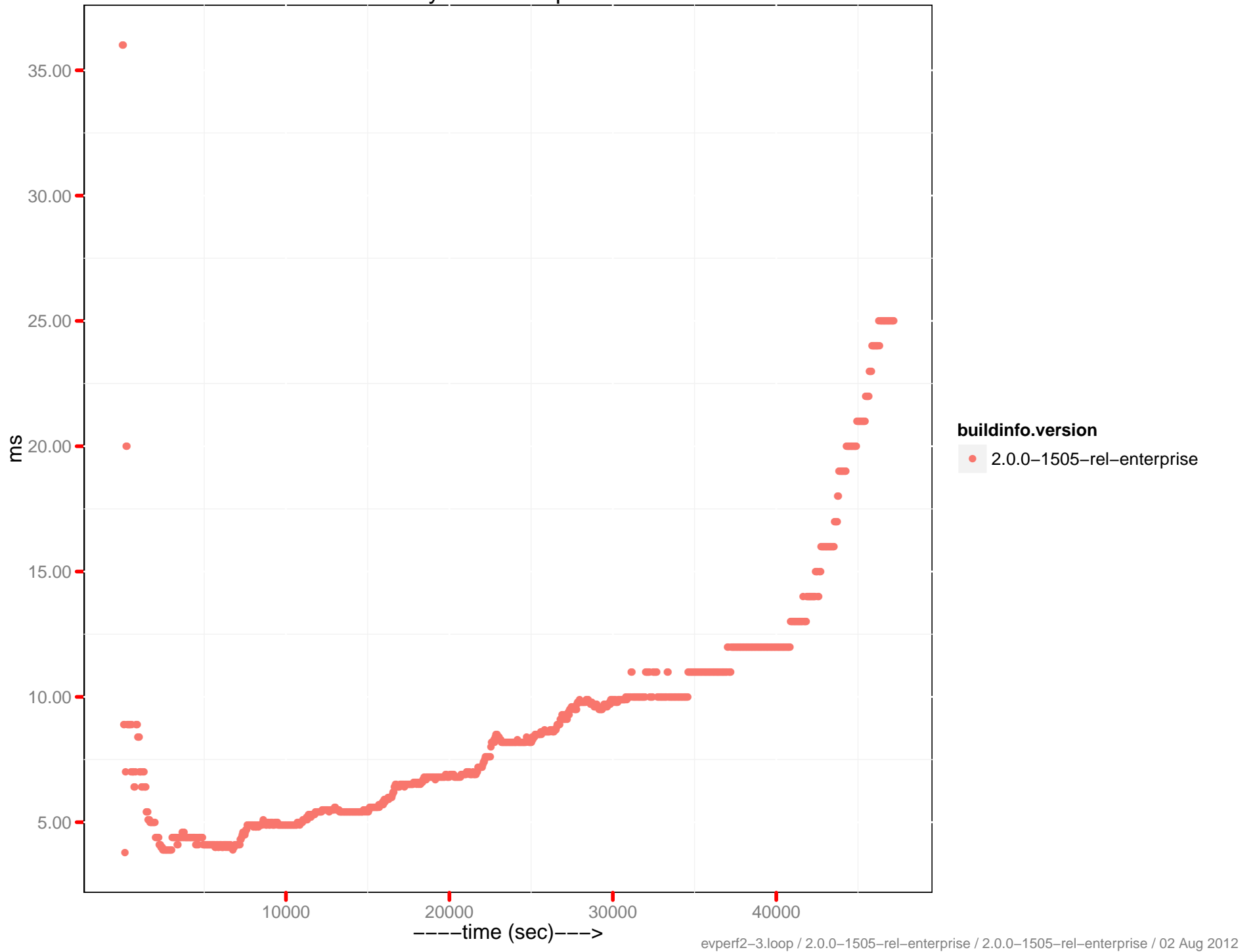
Latency-set 95th percentile



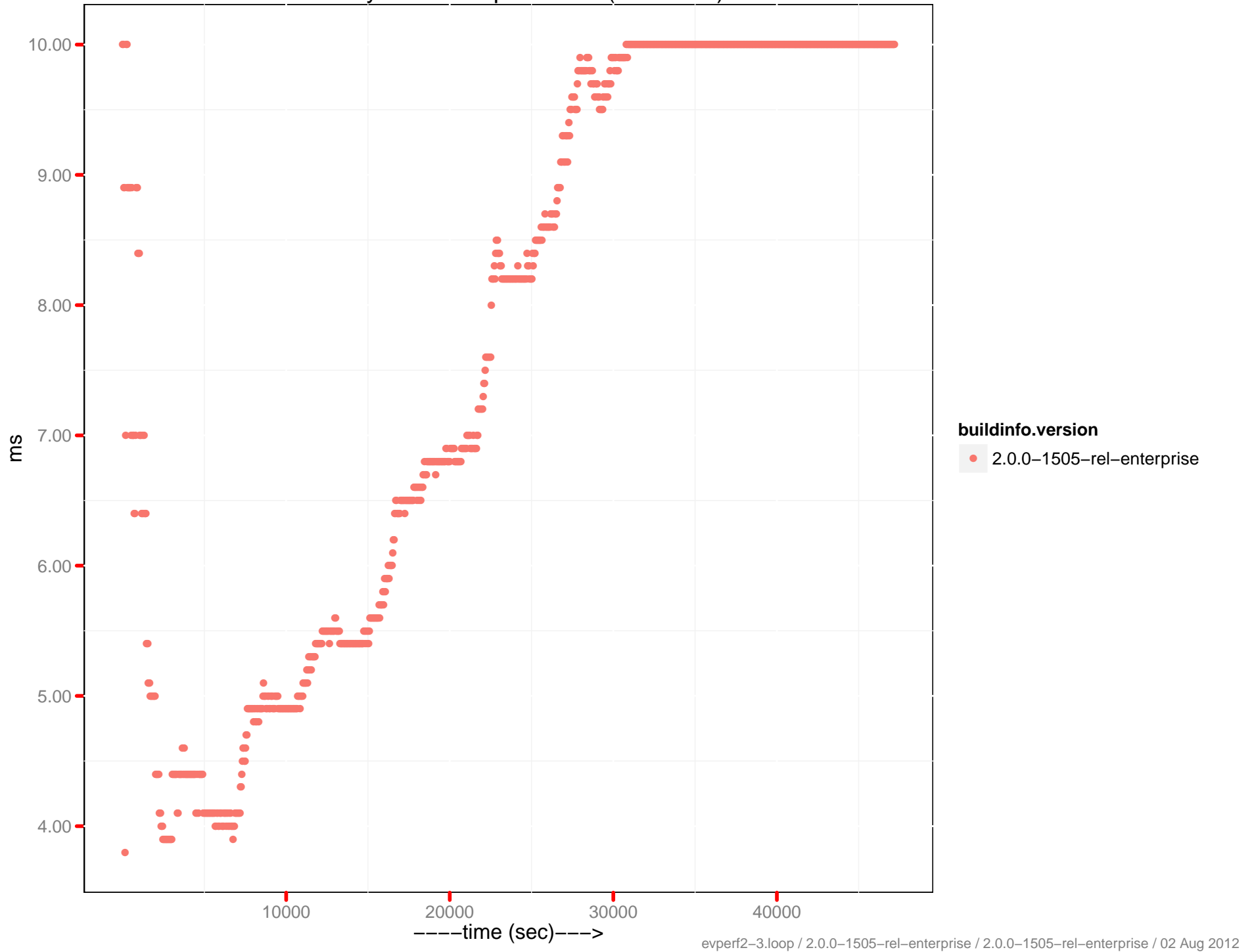
Latency-set 95th percentile (0 - 10ms)



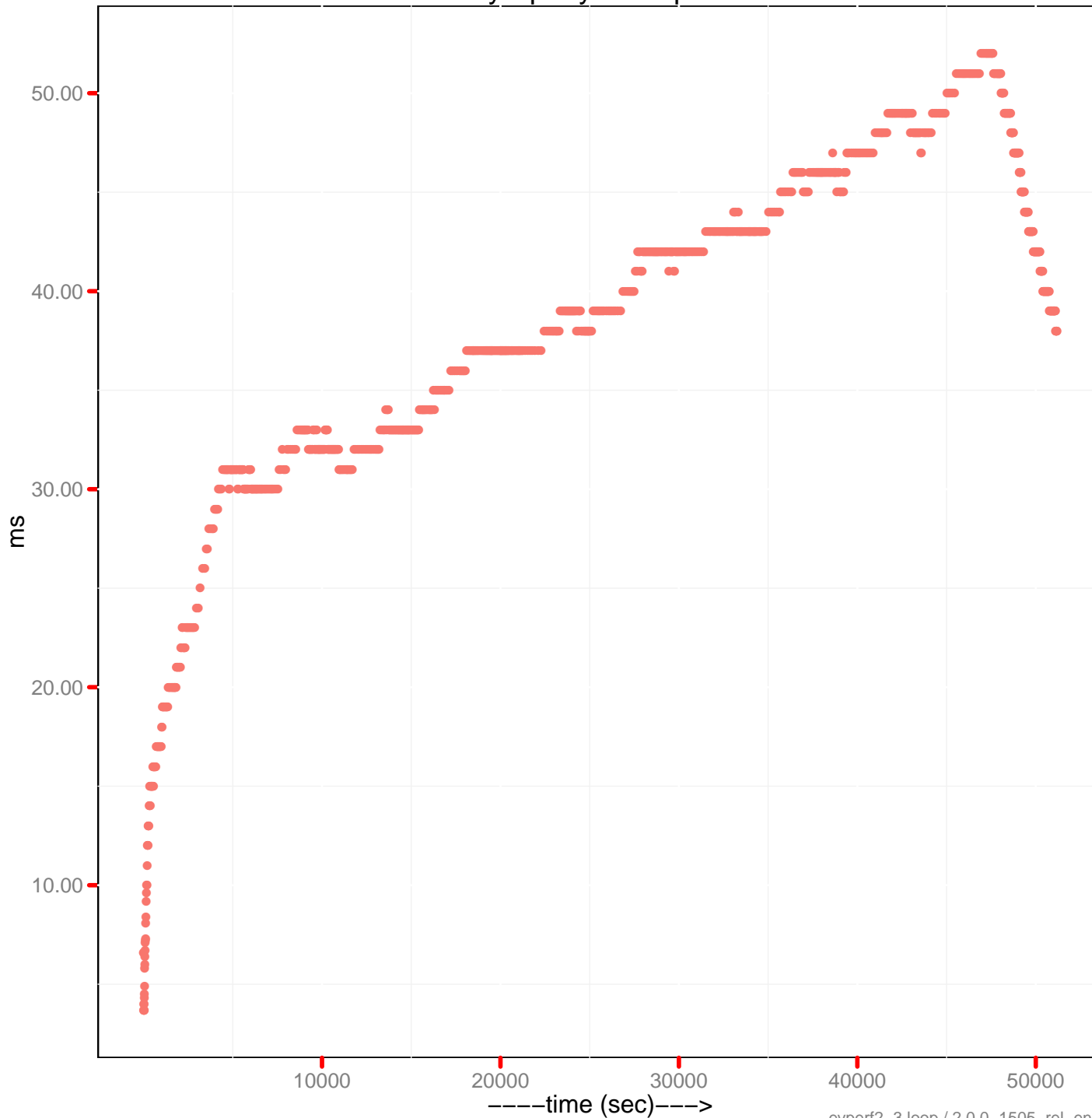
Latency-set 99th percentile



Latency-set 99th percentile (0 - 10ms)

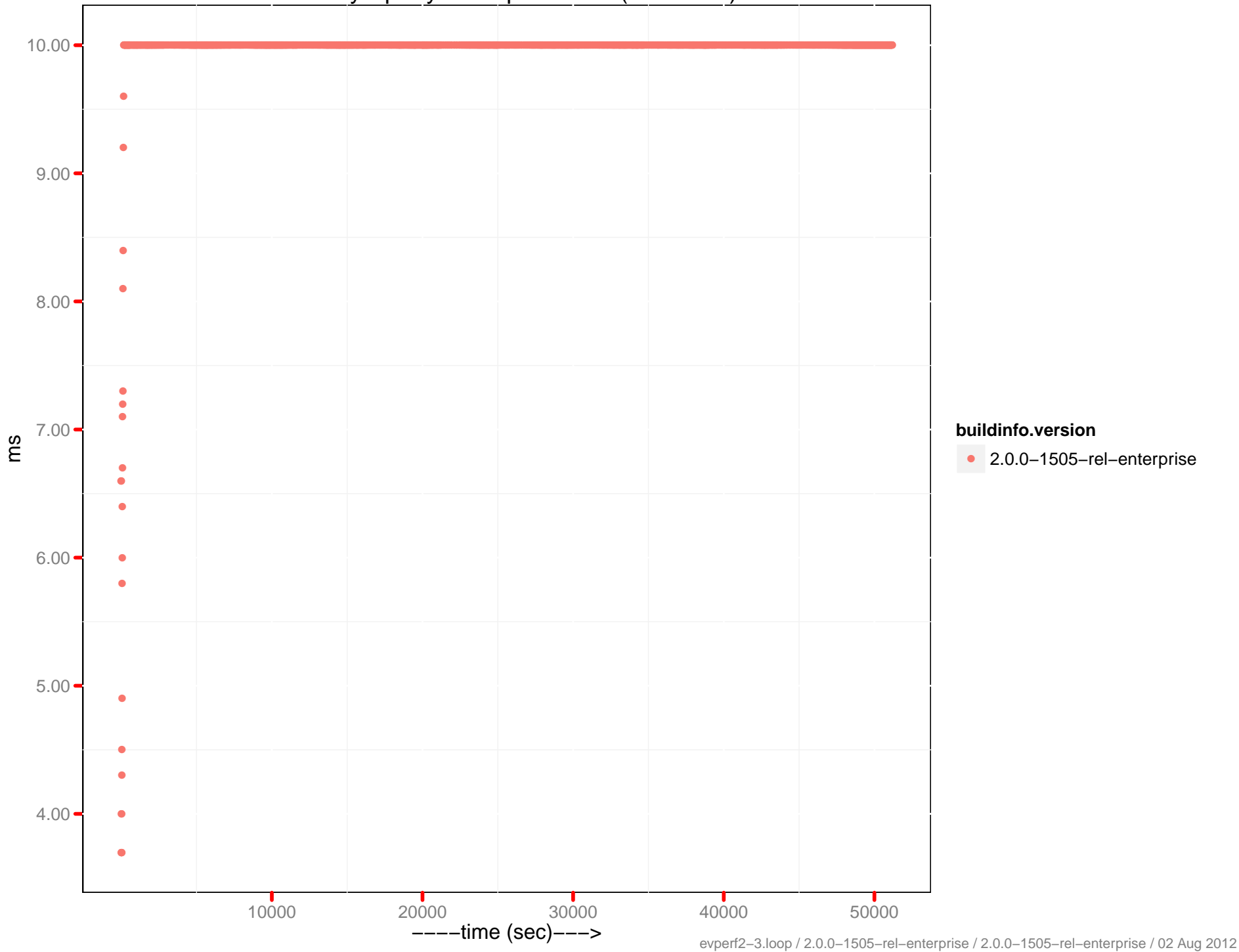


Latency-query 80th percentile

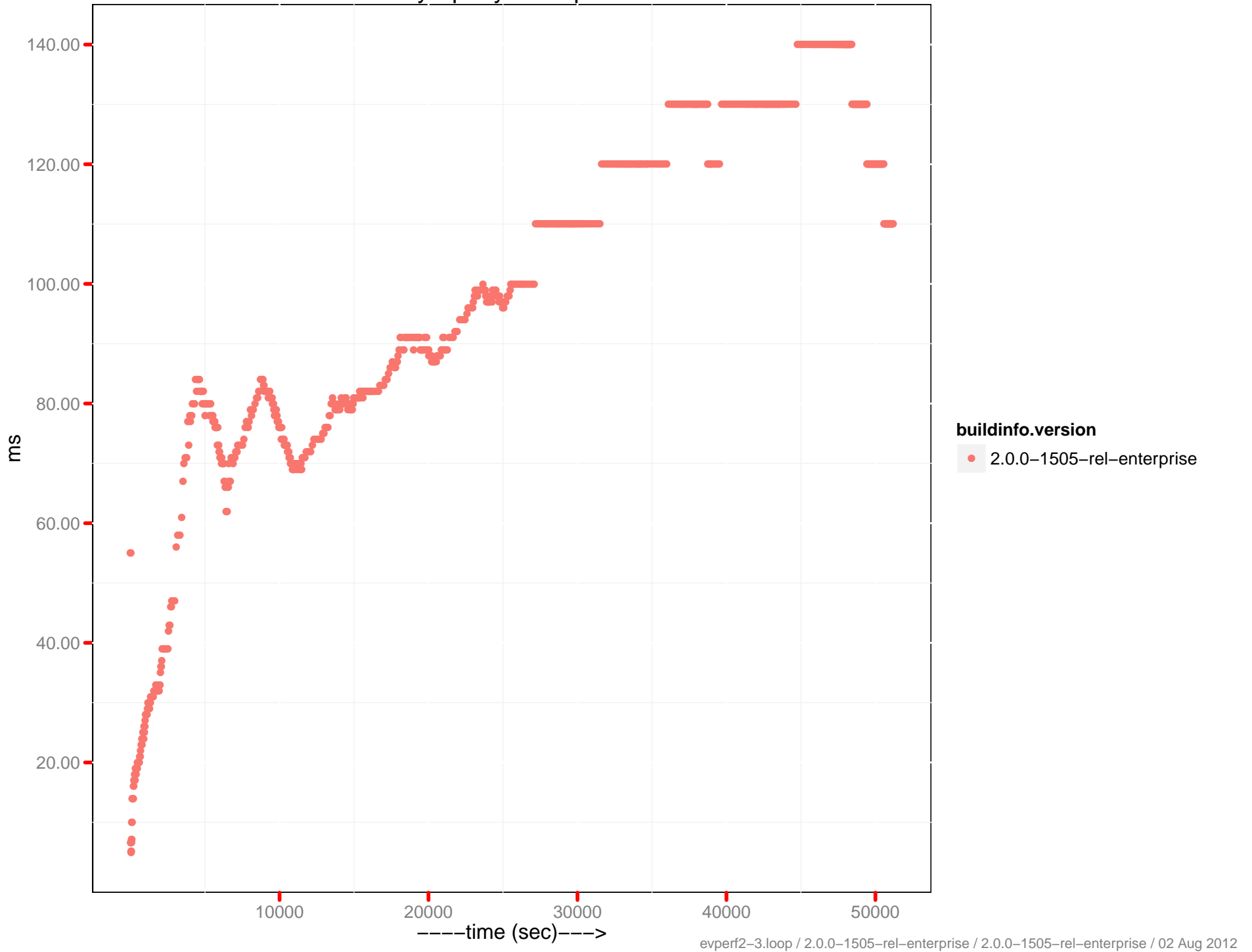


buildinfo.version
● 2.0.0-1505-rel-enterprise

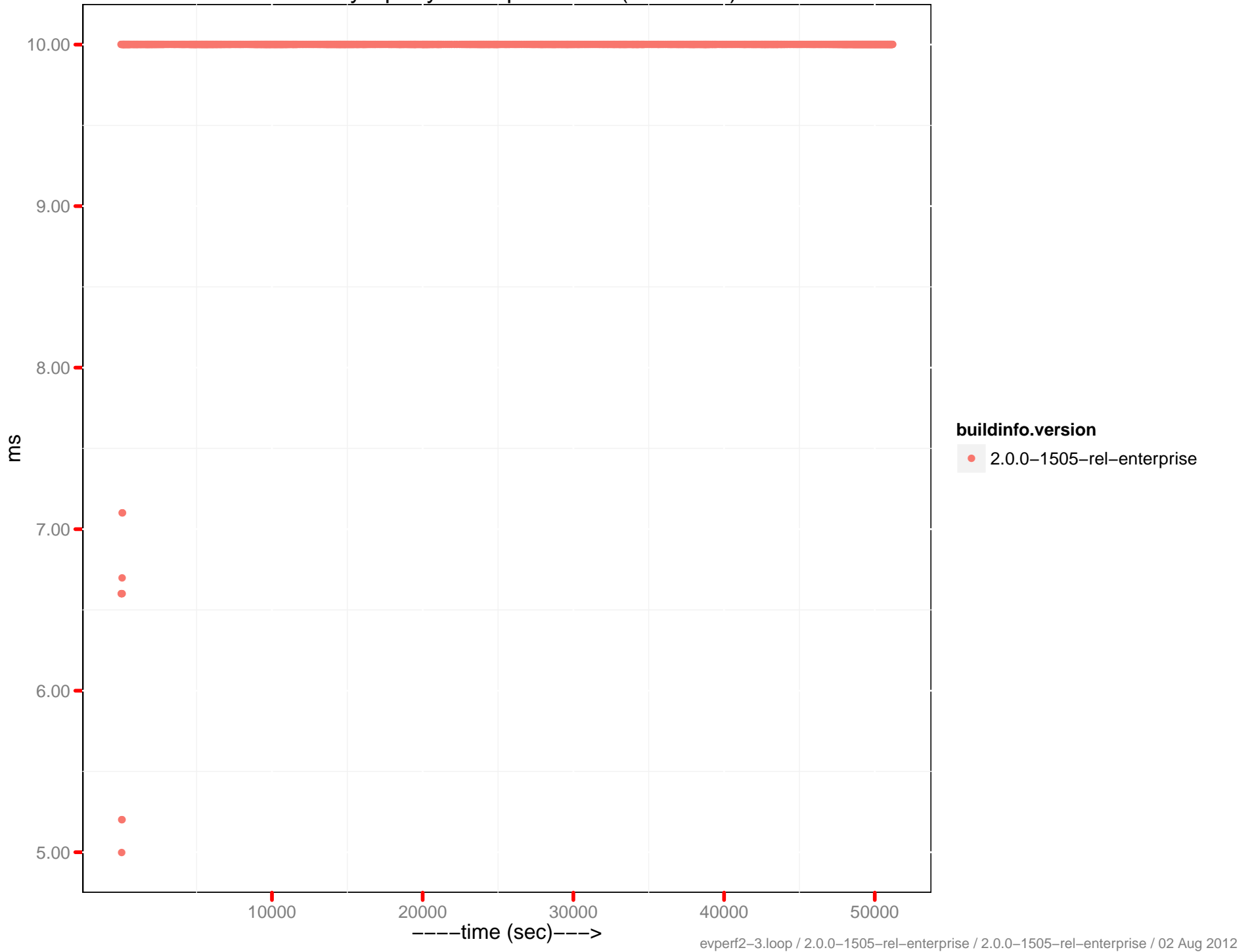
Latency-query 80th percentile (0 - 10ms)



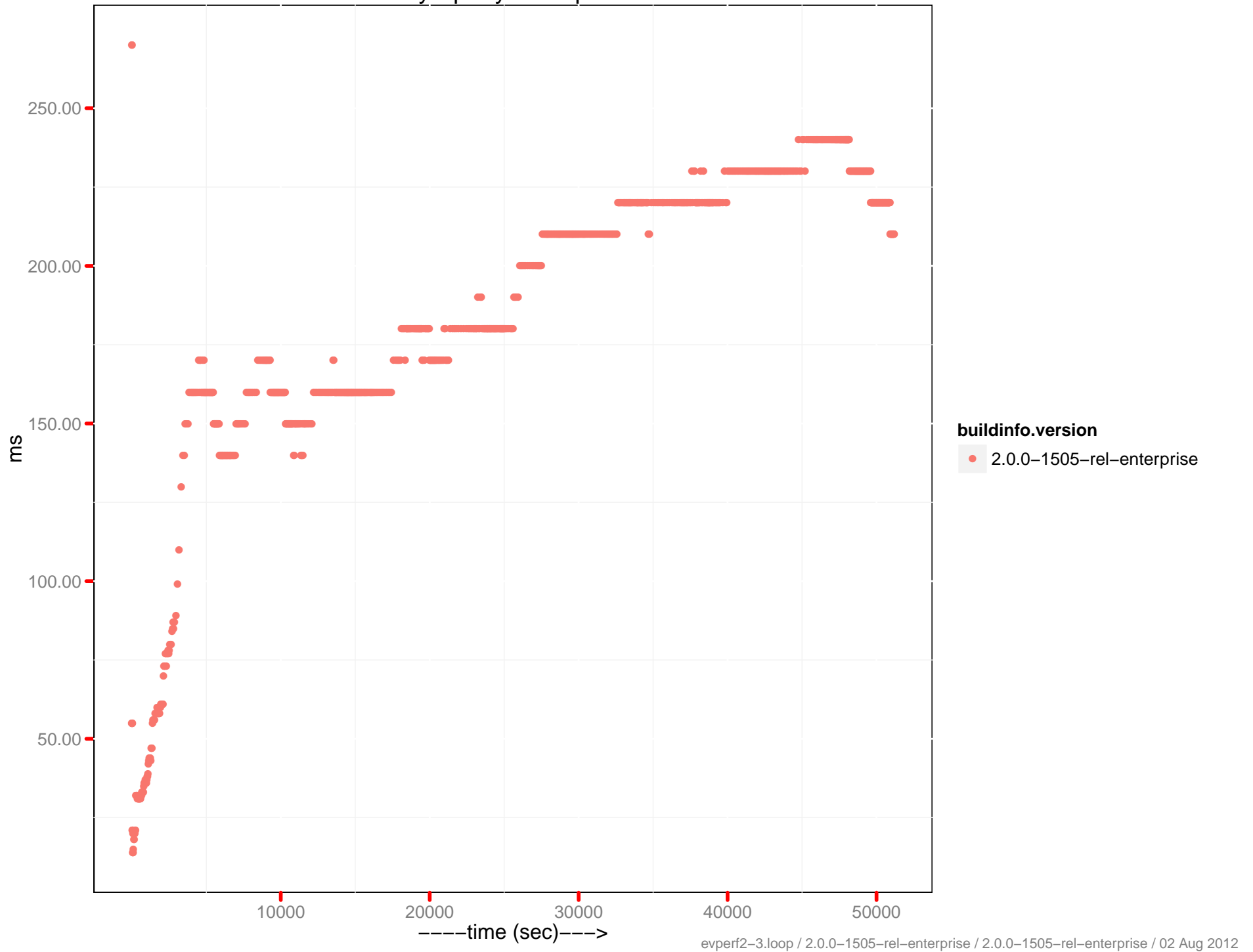
Latency-query 90th percentile



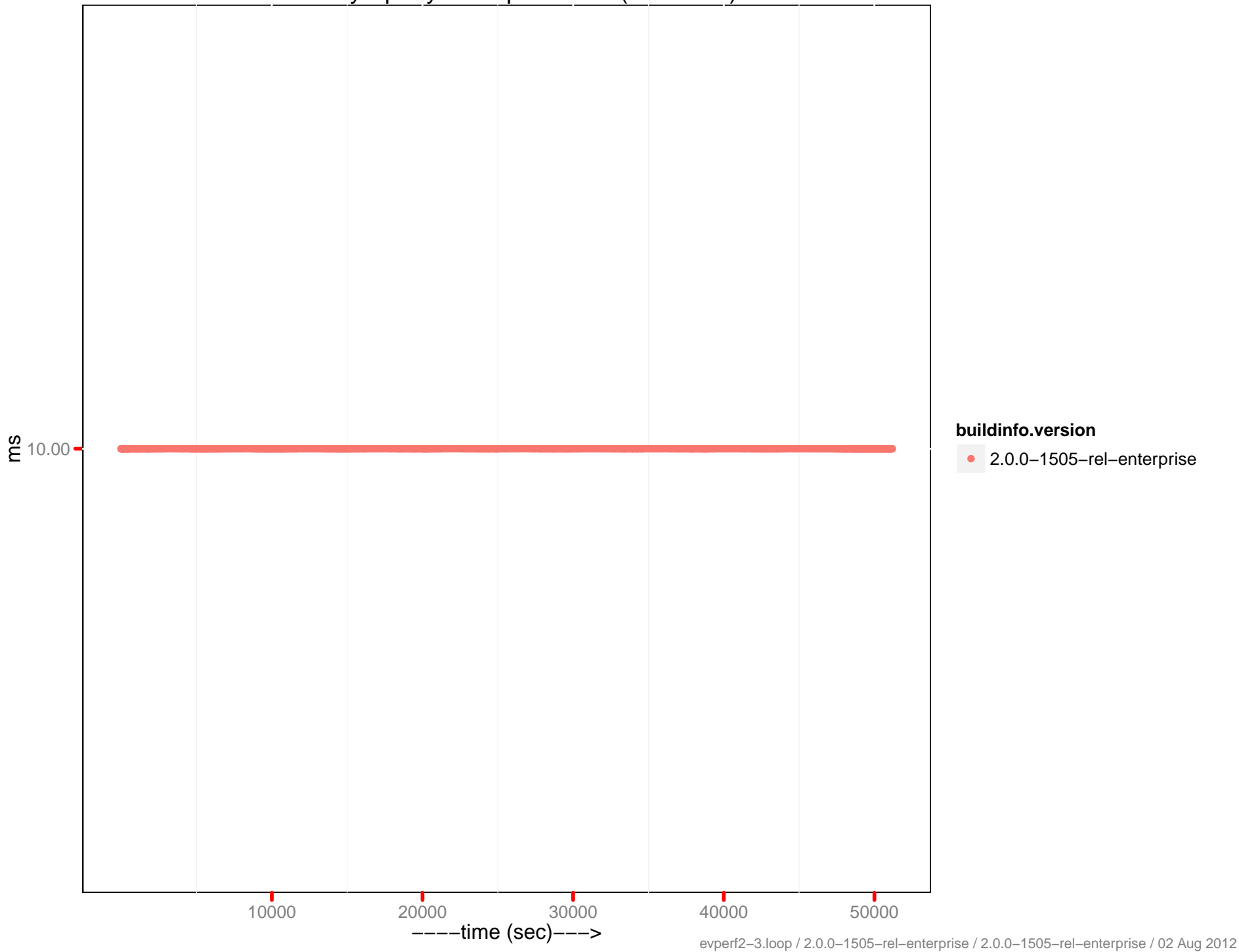
Latency-query 90th percentile (0 - 10ms)



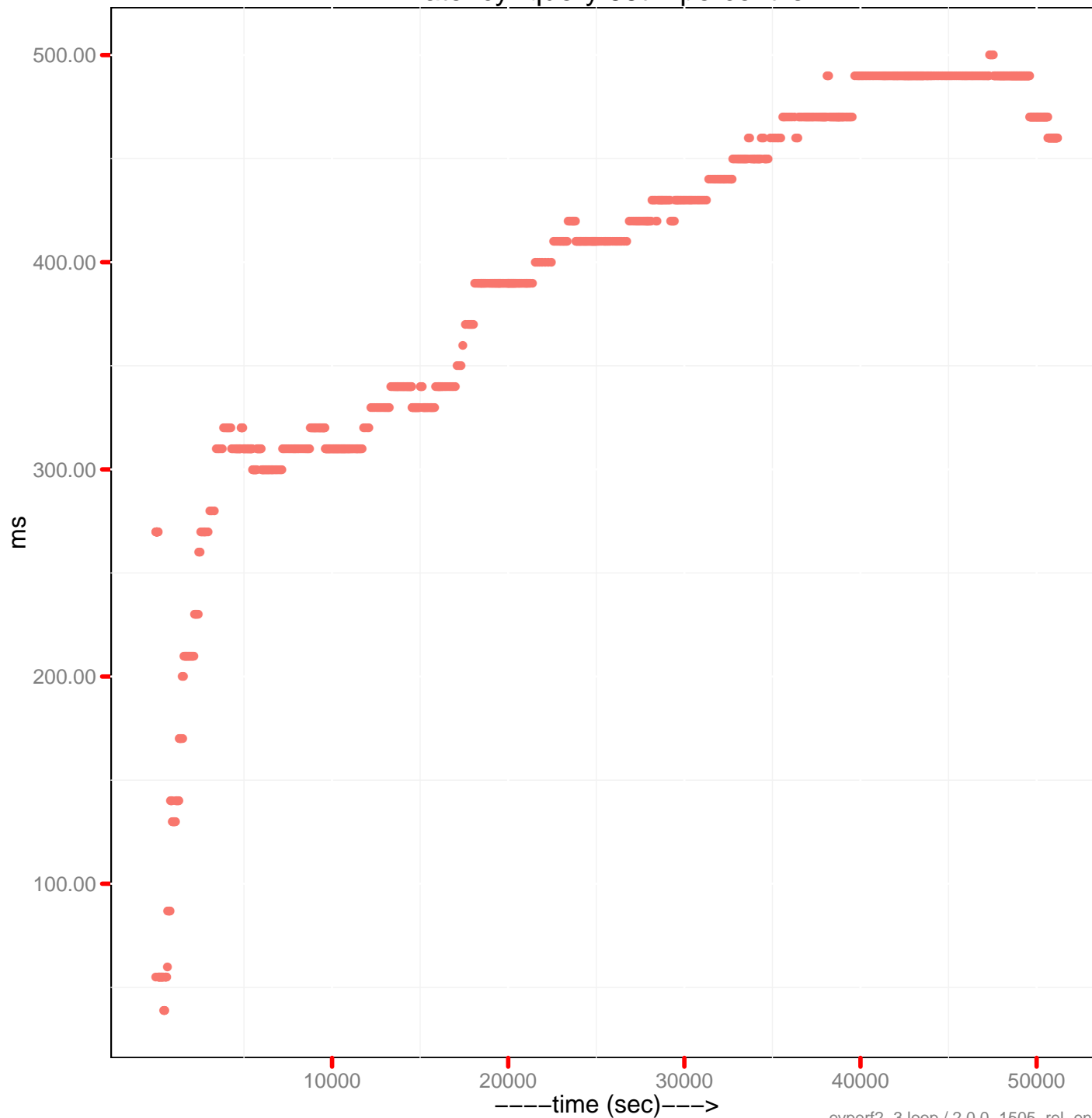
Latency-query 95th percentile



Latency-query 95th percentile (0 - 10ms)

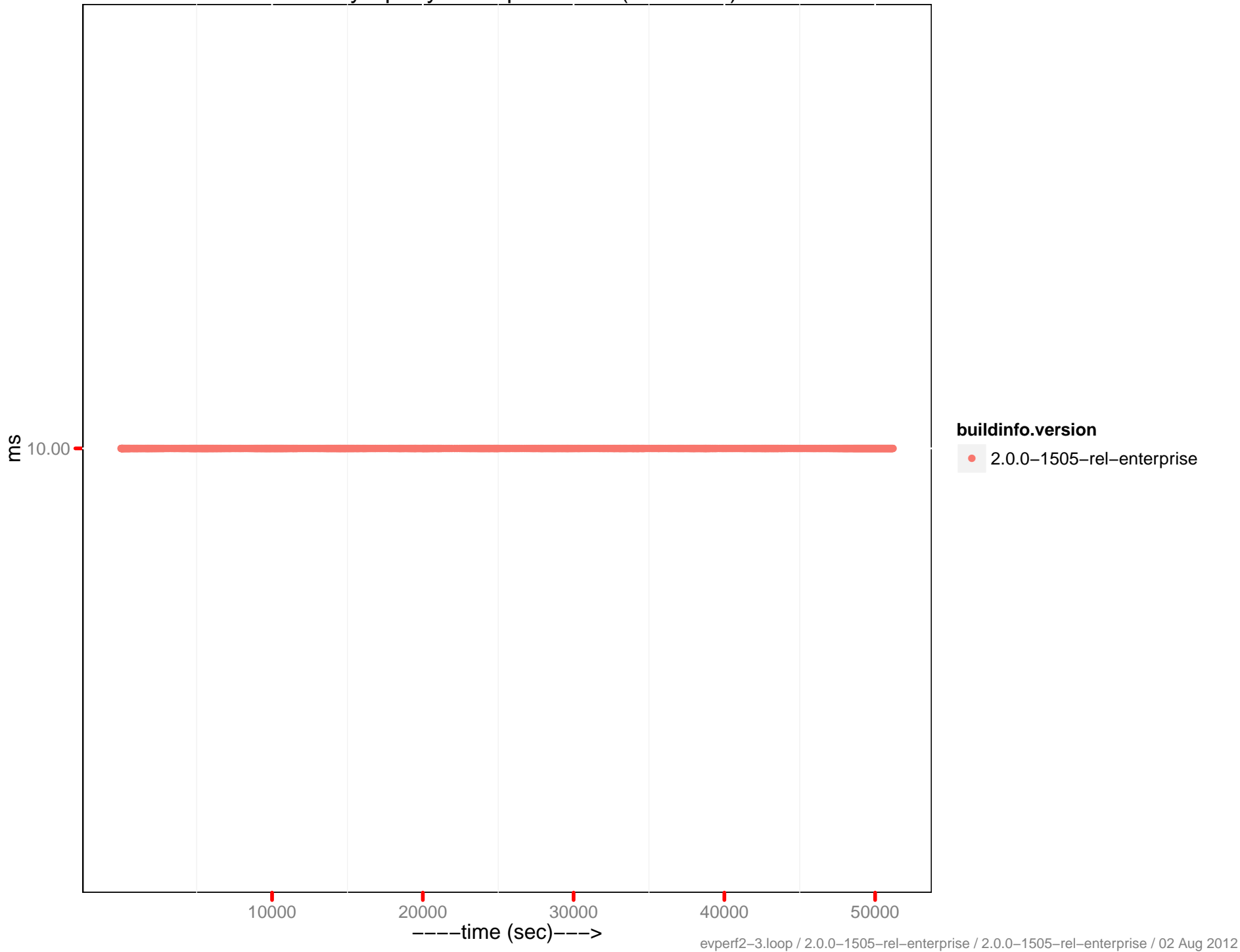


Latency-query 99th percentile

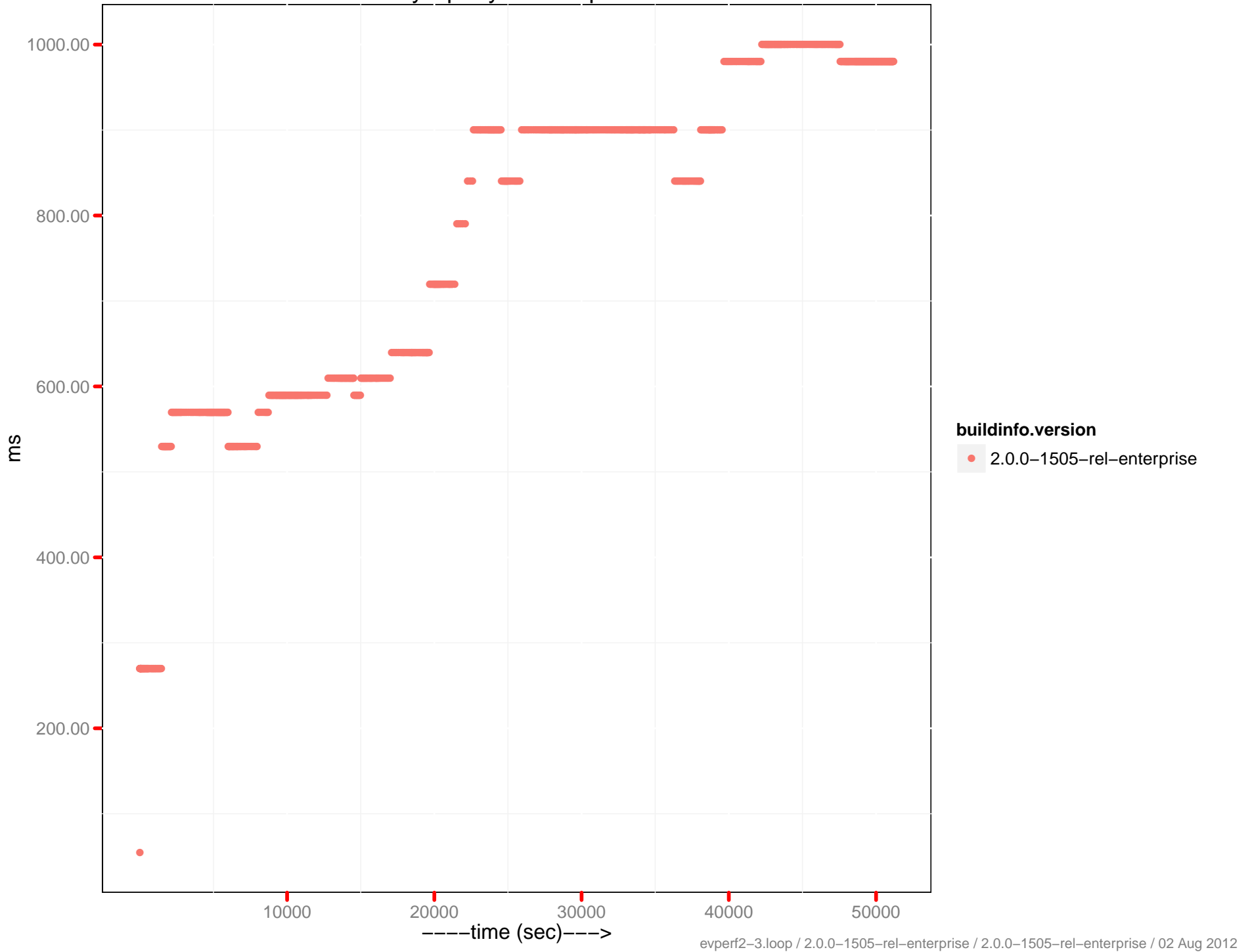


buildinfo.version
● 2.0.0-1505-rel-enterprise

Latency-query 99th percentile (0 - 10ms)

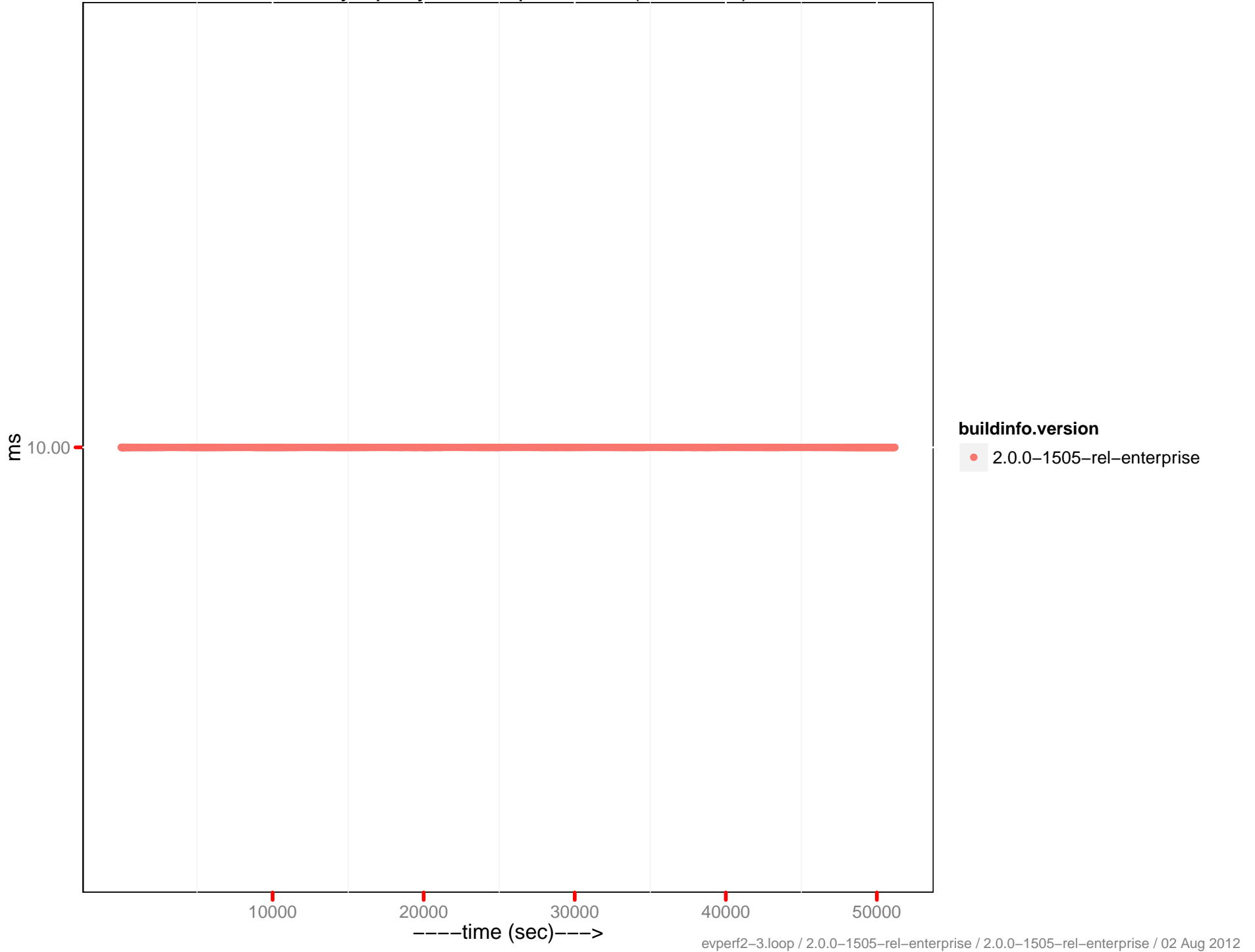


Latency-query 99.9th percentile

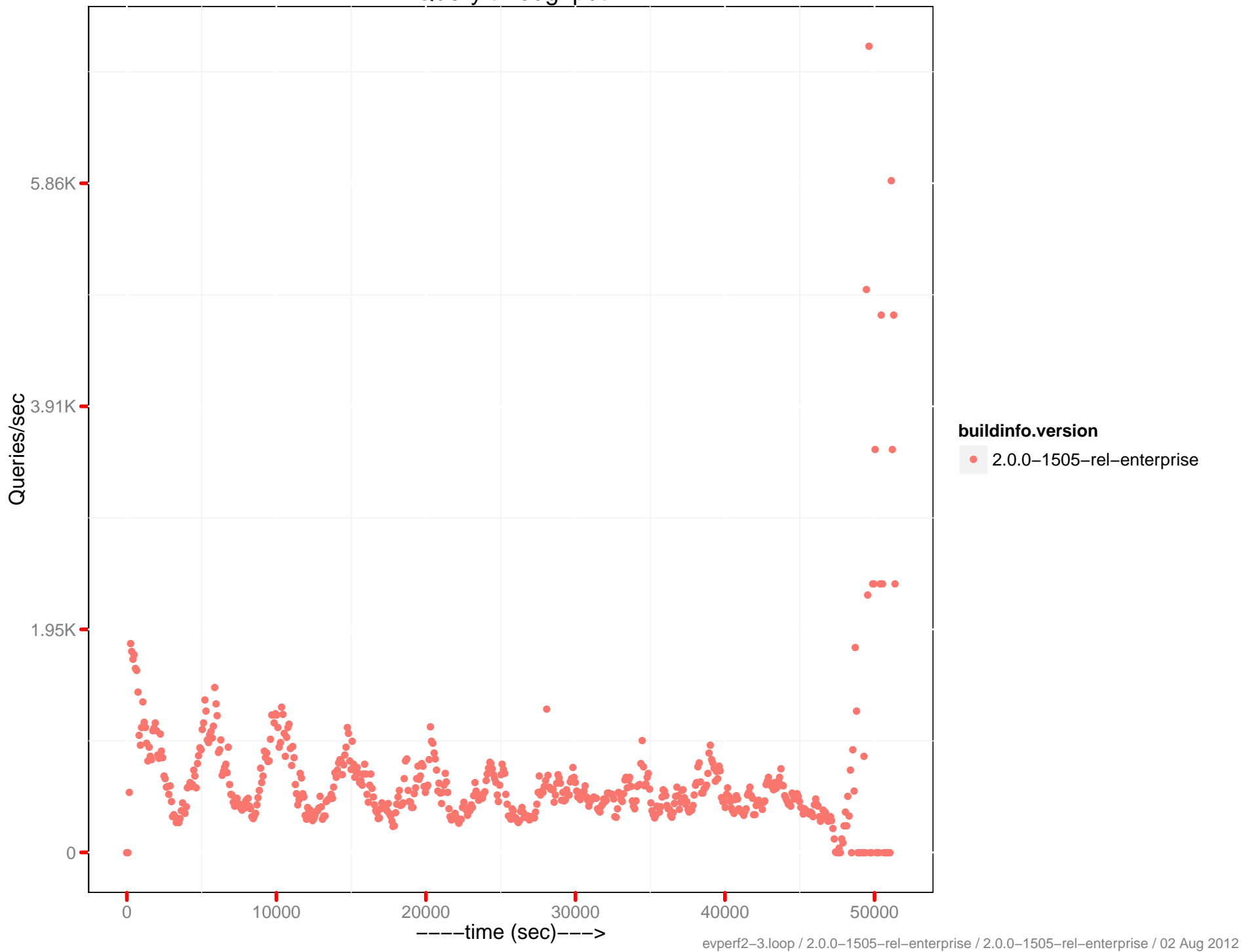


buildinfo.version
• 2.0.0-1505-rel-enterprise

Latency-query 99.9th percentile (0 - 10ms)



Query throughput



```
evperf2-3.conf
# "EVPERF'2" view performance test:
# 3 ddocs with 8 views per ddoc
# 20M initial items
# 25GB RAM quota (32GB total RAM)
# DGM
# 30 clients
# 8K ops/sec total background load (memcached commands)
# 80% reads, 20% write (12% updates/deletes, 8% inserts)
# Cache miss ratio < 1%
# Stop on 36M total queries (tuned to be > 12 hours)

performance.ipperf.MultiClientTests.test_evperf2

params:

# general
batch=50
kind=json
mem_quota=25000
loglevel=error

# load phase
items=20000000
hot_init_items=16000000

# access phase
ratio_sets=0.2
ratio_misses=0.04
ratio_creates=0.40
ratio_deletes=0.50
ratio_hot=0.2
ratio_hot_gets=0.975
ratio_hot_sets=0.975
ratio_expirations=0.0
bg_max_ops_per_sec=265
fg_max_ops=36000000
total_clients=30
start_delay=5

# control (defaults: pytests/performance/perf_defaults.py)
load_wait_until_drained=1
loop_wait_until_drained=0
mcsoda_heartbeat=3
tear_down=1
tear_down_proxy=1
tear_down_bucket=0
tear_down_cluster=1
tear_down_on_setup=0
```



```
terra.ini
[global]
username:root
password:couchbase
port:8091
data_path:/data

[servers]
1:10.2.1.61
2:10.2.1.62
3:10.2.1.63
4:10.2.1.64

[clients]
1:10.2.1.59

[membase]
rest_username:Administrator
rest_password:password

[dashboard]
1:dashboard.hq.couchbase.com:80
```