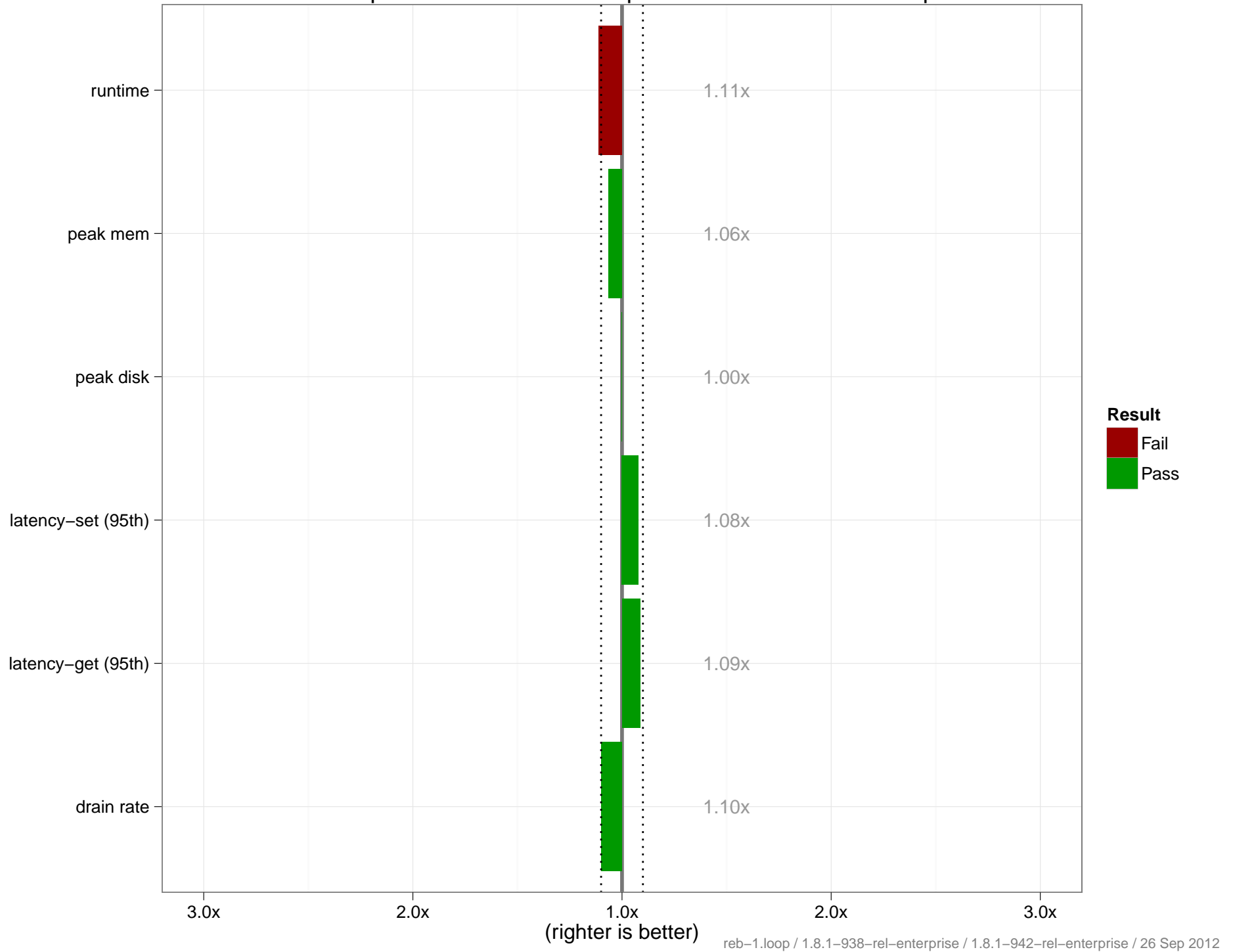
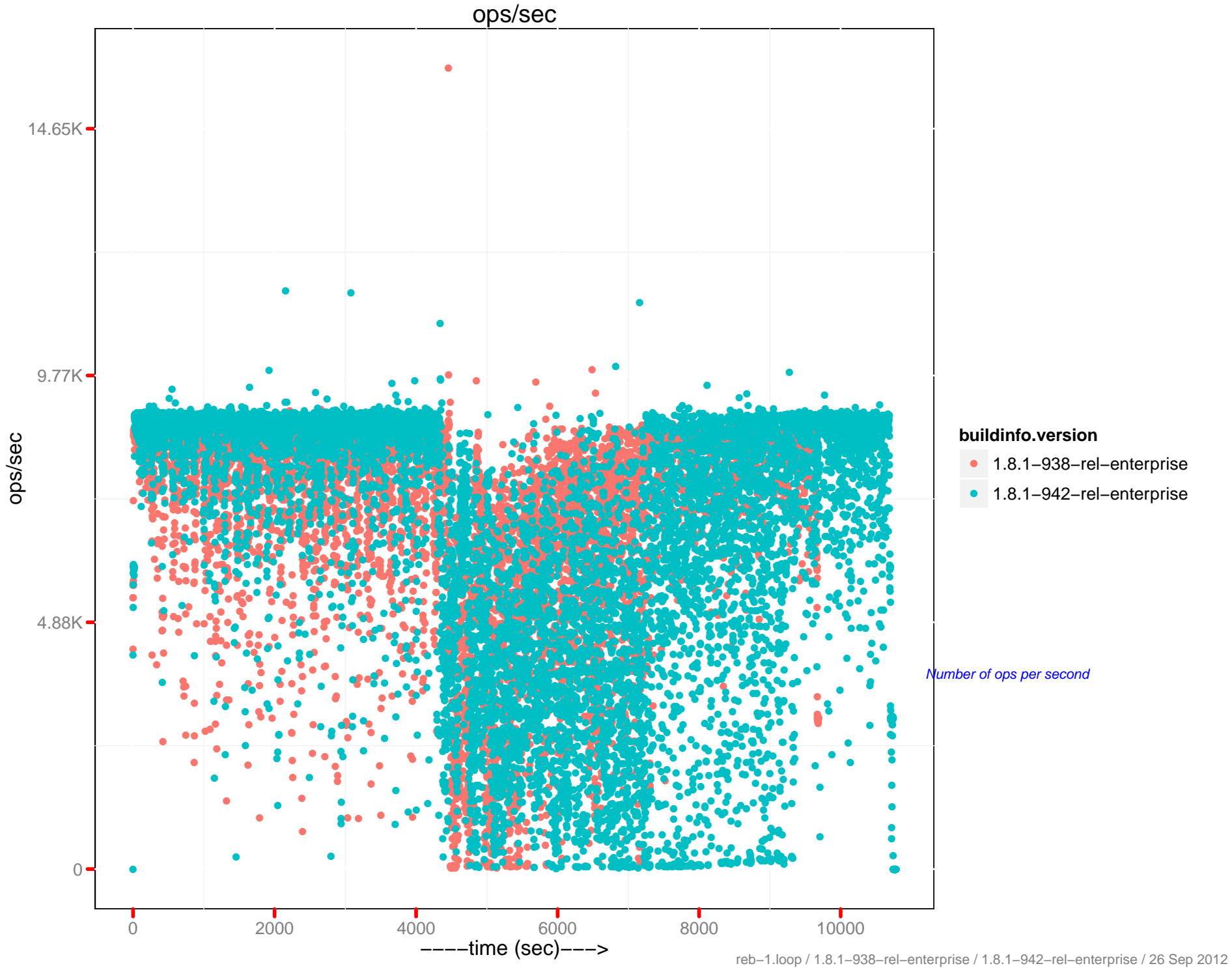


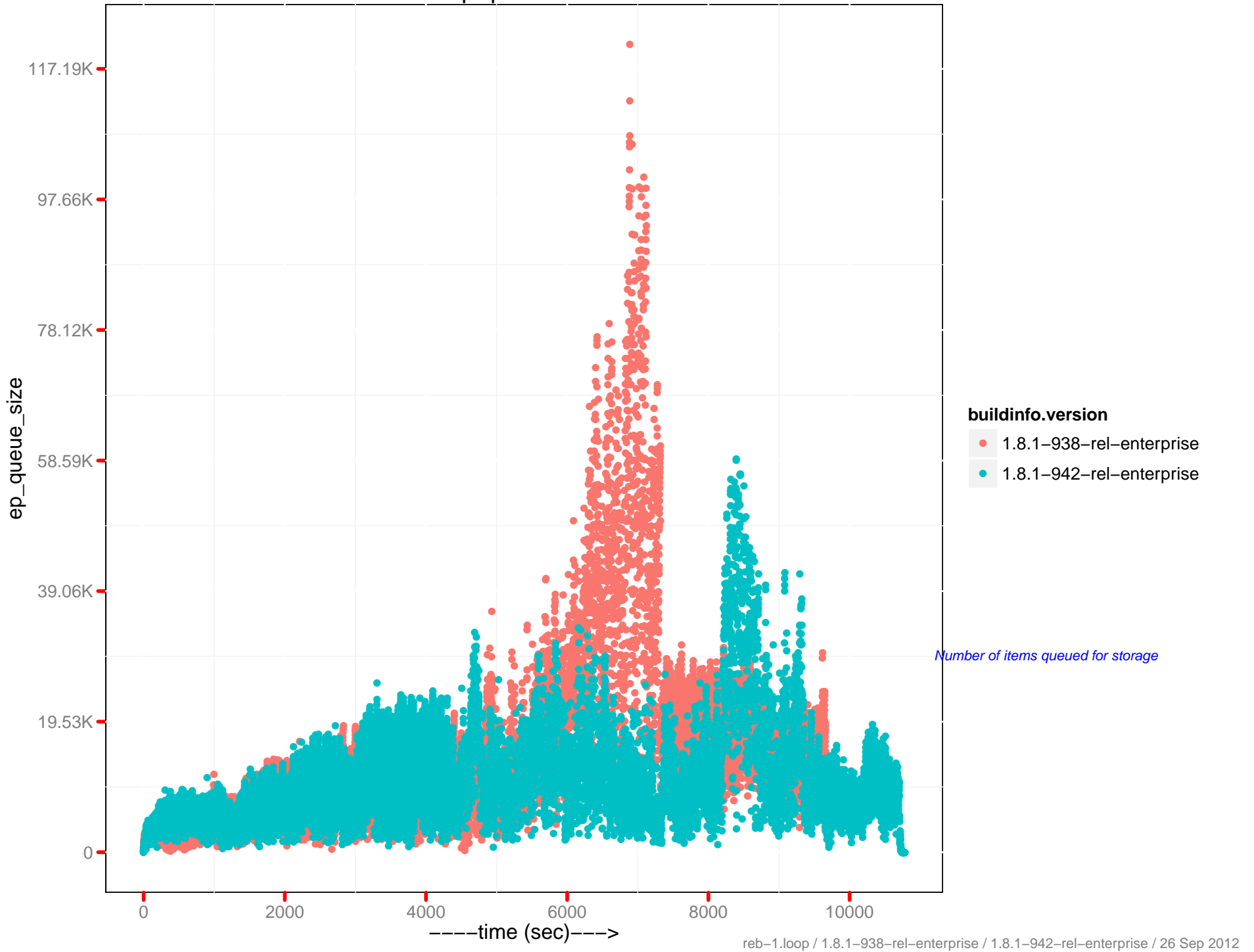
reb-1.loop : 1.8.1-938-rel-enterprise : 1.8.1-942-rel-enterprise



	1.8.1 – 938	1.8.1 – 942
<i>Runtime (in hr)</i>	2.69	3
<i>Avg. Drain Rate</i>	1.82K	1.65K
<i>Peak Disk (GB)</i>	48.42	48.43
<i>Peak Memory (GB)</i>	16	17.01
<i>Avg. OPS</i>	7.29K	6.79K
<i>Avg. mem memcached (GB)</i>	15.86	16.87
<i>Avg. mem beam.smp (MB)</i>	93.57	90.22
<i>Avg. CPU rate (%)</i>	44.14	41.98
<i>Latency-get (90th) (ms)</i>	3.91	3.83
<i>Latency-get (95th) (ms)</i>	6.37	5.86
<i>Latency-get (99th) (ms)</i>	23.92	16.55
<i>Latency-set (90th) (ms)</i>	4.01	3.89
<i>Latency-set (95th) (ms)</i>	6.37	5.9
<i>Latency-set (99th) (ms)</i>	21.76	15.24
<i>Latency-query (80th) (ms)</i>	NA	NA
<i>Latency-query (90th) (ms)</i>	NA	NA
<i>Latency-query (95th) (ms)</i>	NA	NA
<i>Latency-query (99th) (ms)</i>	NA	NA
<i>Latency-query (99.9th) (ms)</i>	NA	NA
<i>Avg. QPS</i>	0	0
<i>XDC ops/sec</i>	2873.06	5035.43
<i>Rebalance Time (sec)</i>	NA	2543397
<i>Testrunner Version</i>	0.01769	0.015481



ep queue size



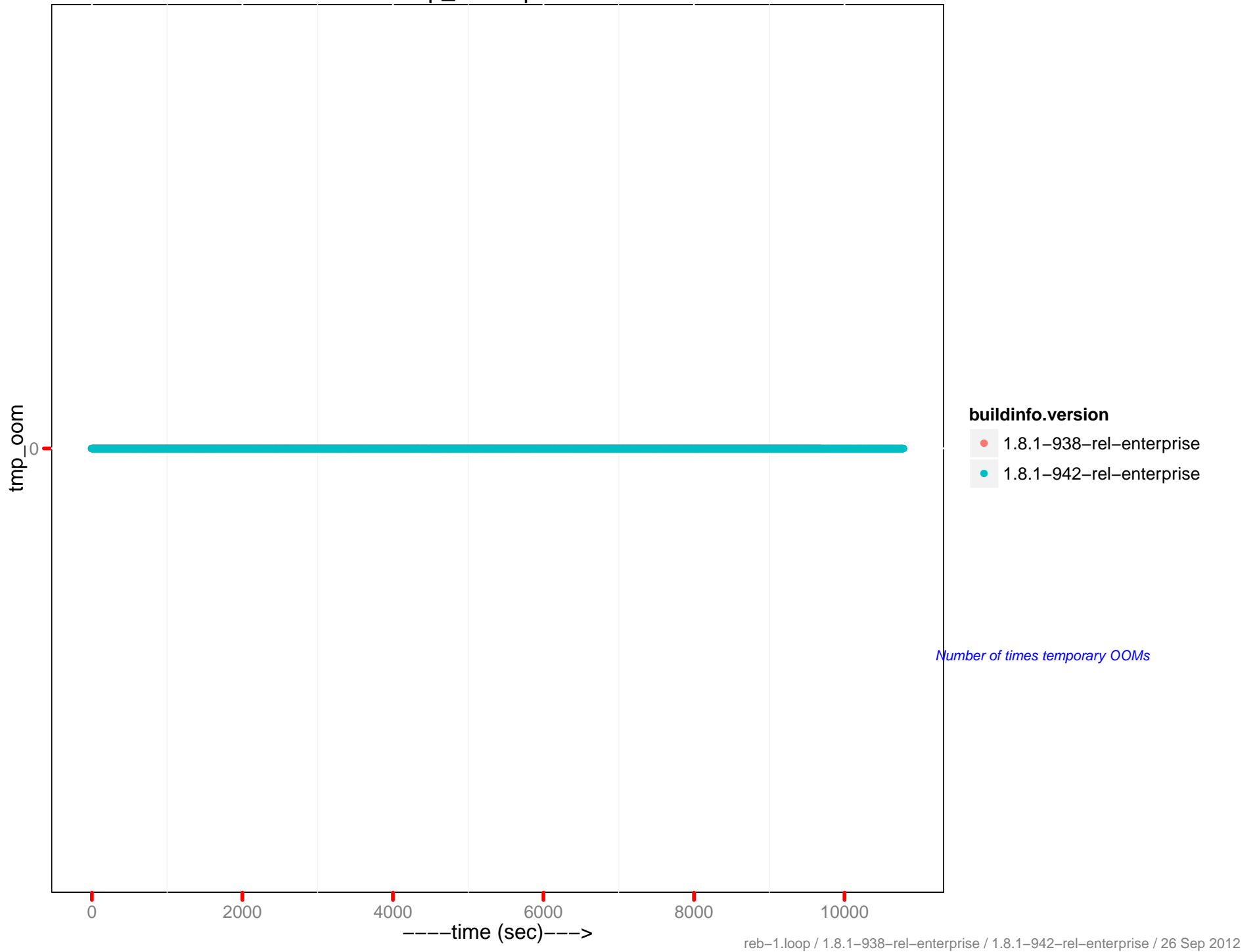
ep_diskqueue_drain



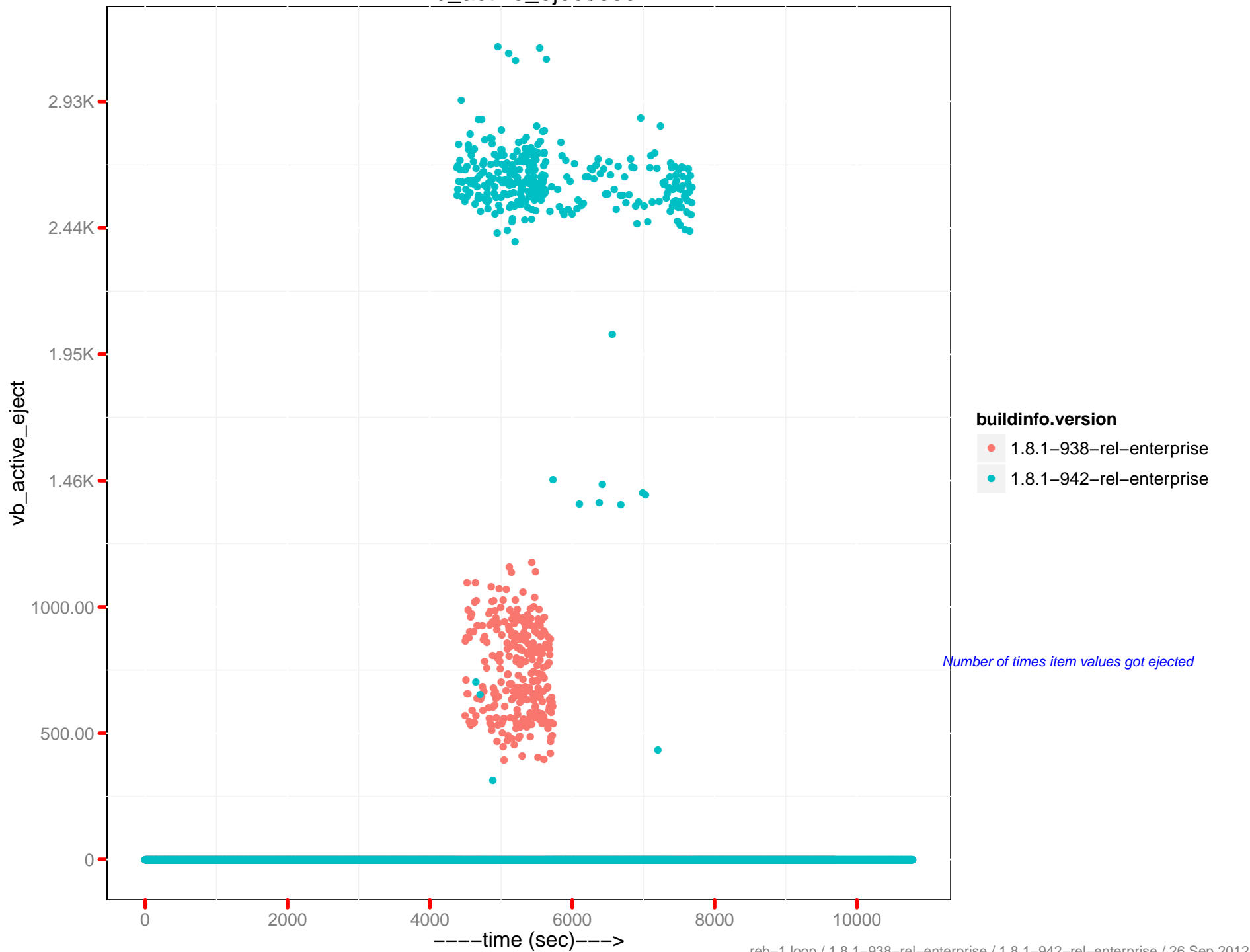
ep_bg_fetched ops/sec



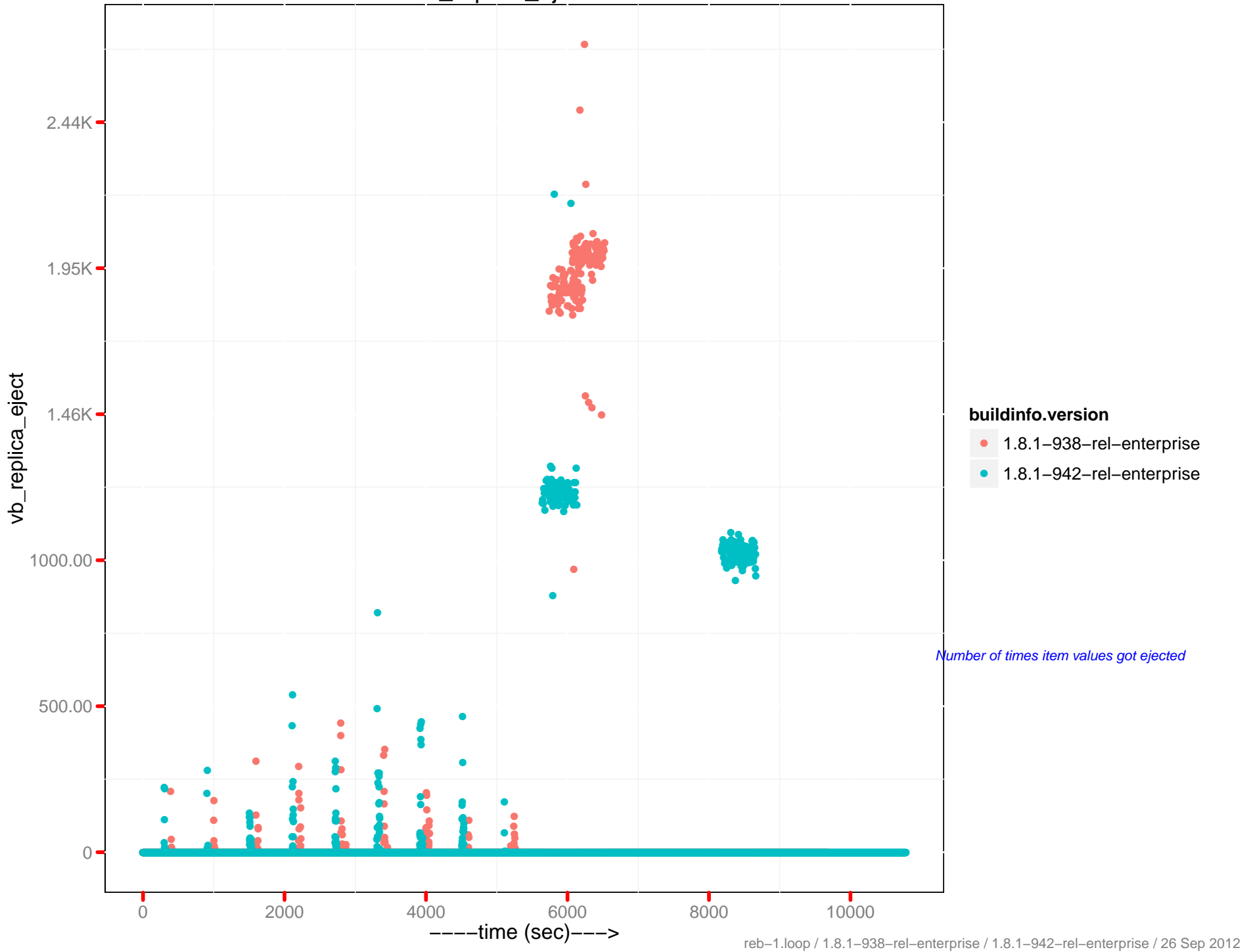
tmp_oom ops/sec



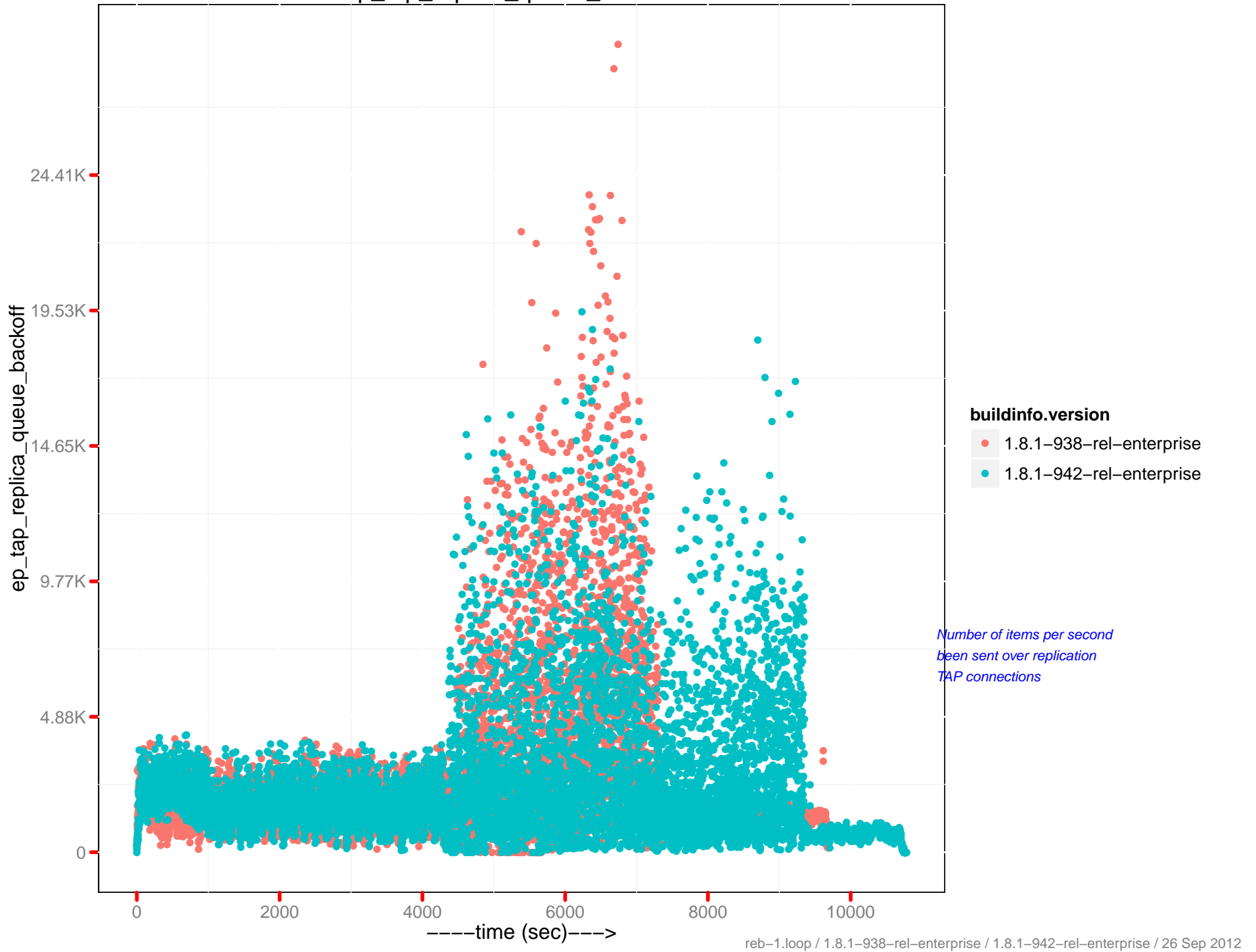
vb_active_eject/sec



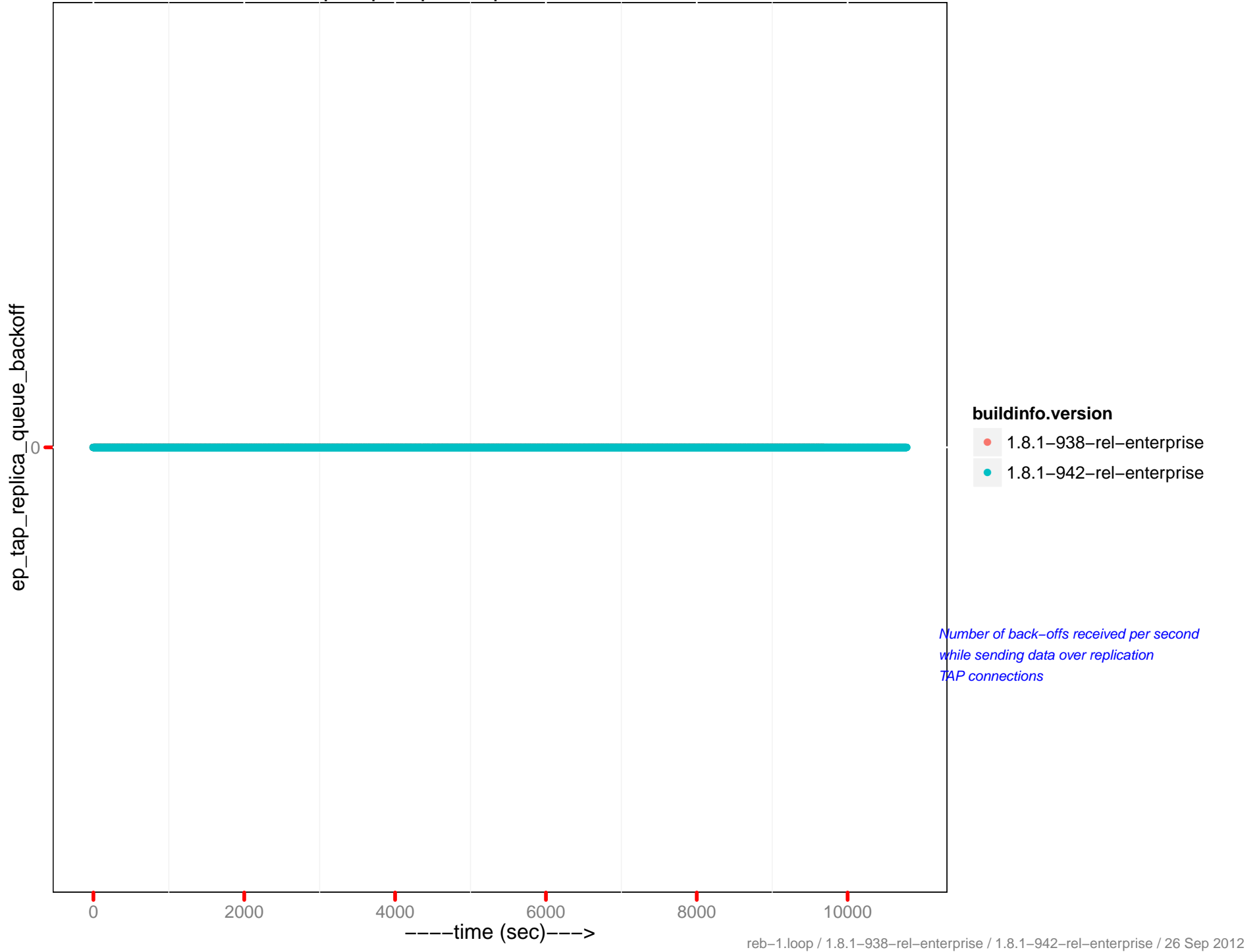
vb_replica_eject/sec



ep_tap_replica_queue_drain/sec

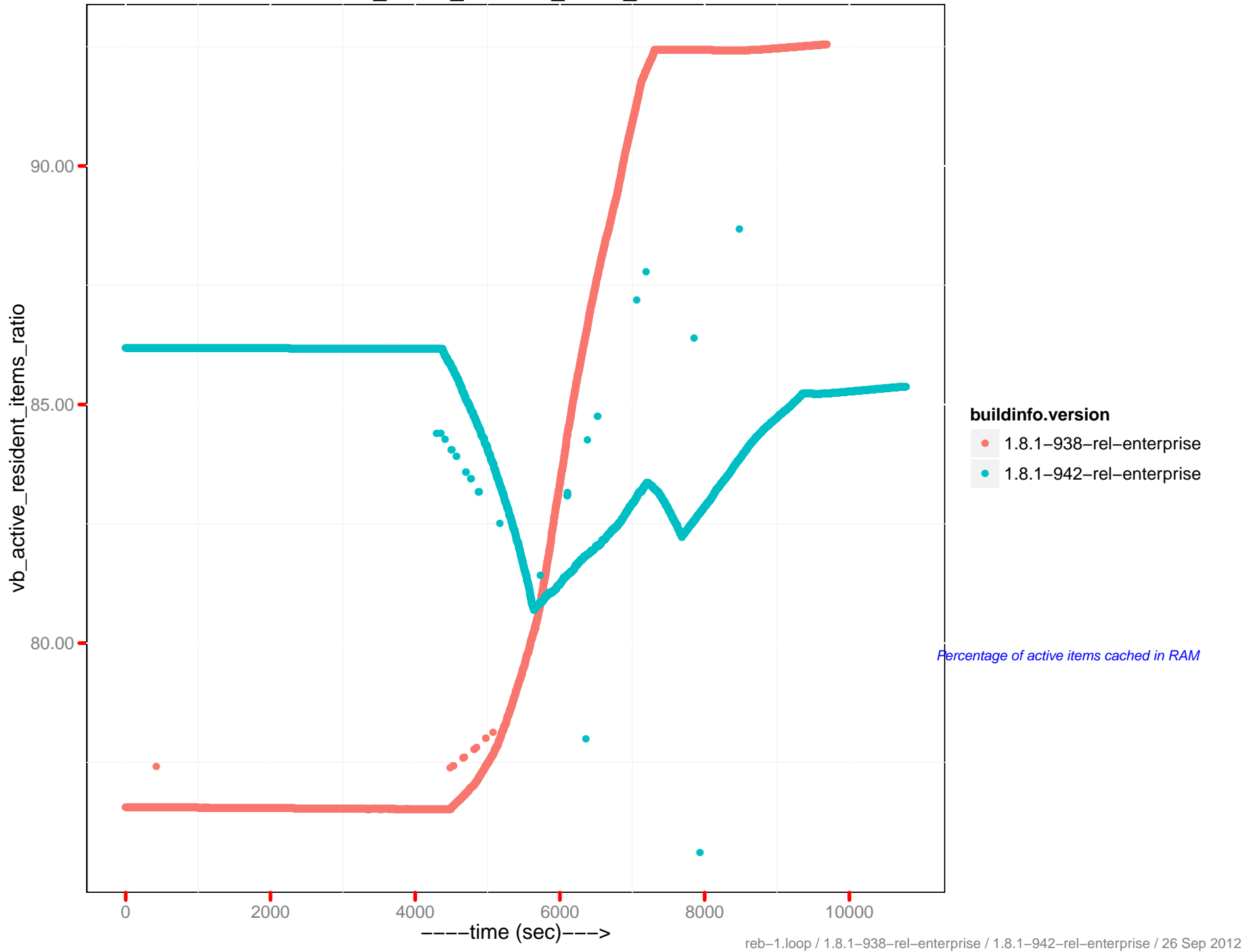


ep_tap_replica_queue_backoff/sec

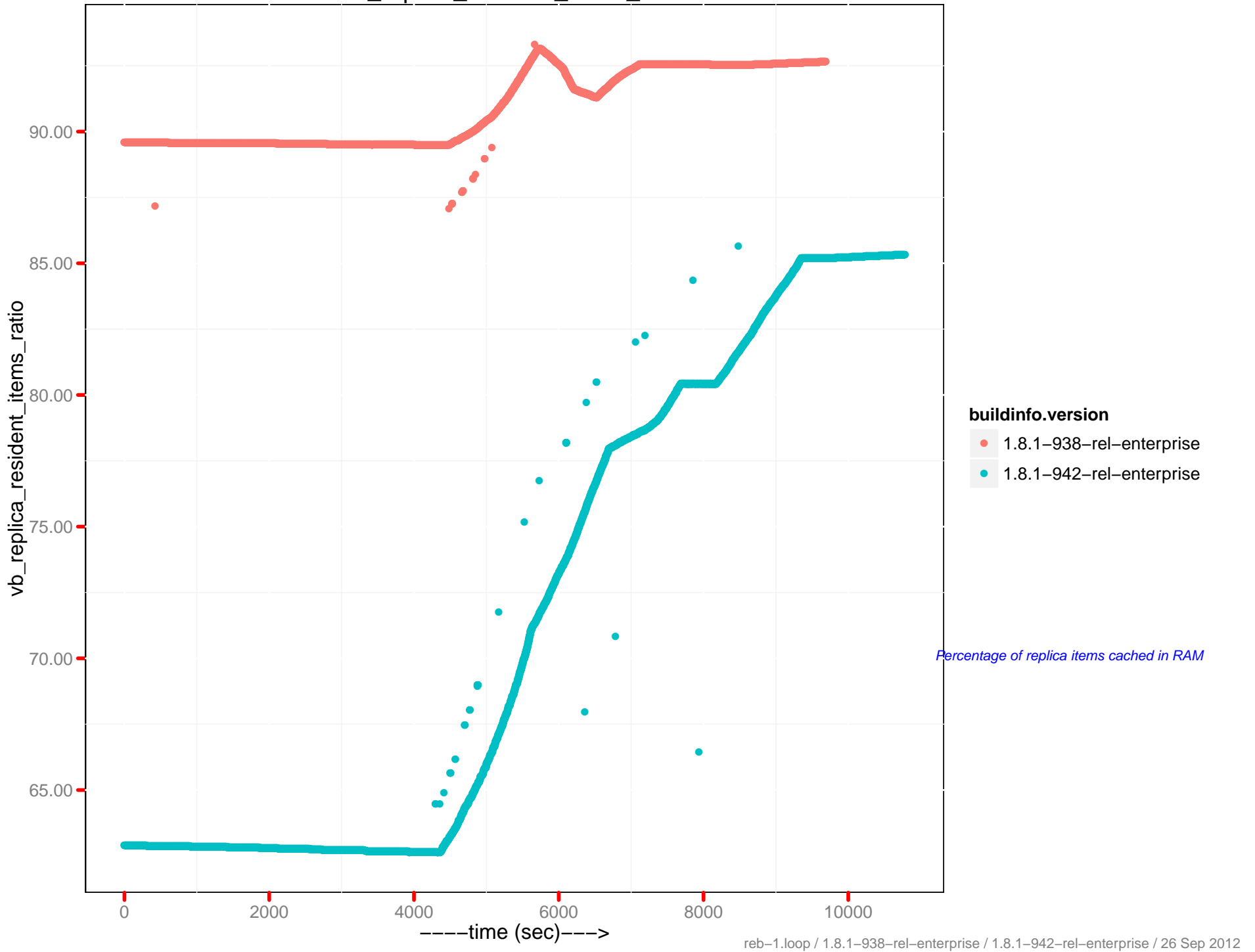


*Number of back-offs received per second
while sending data over replication
TAP connections*

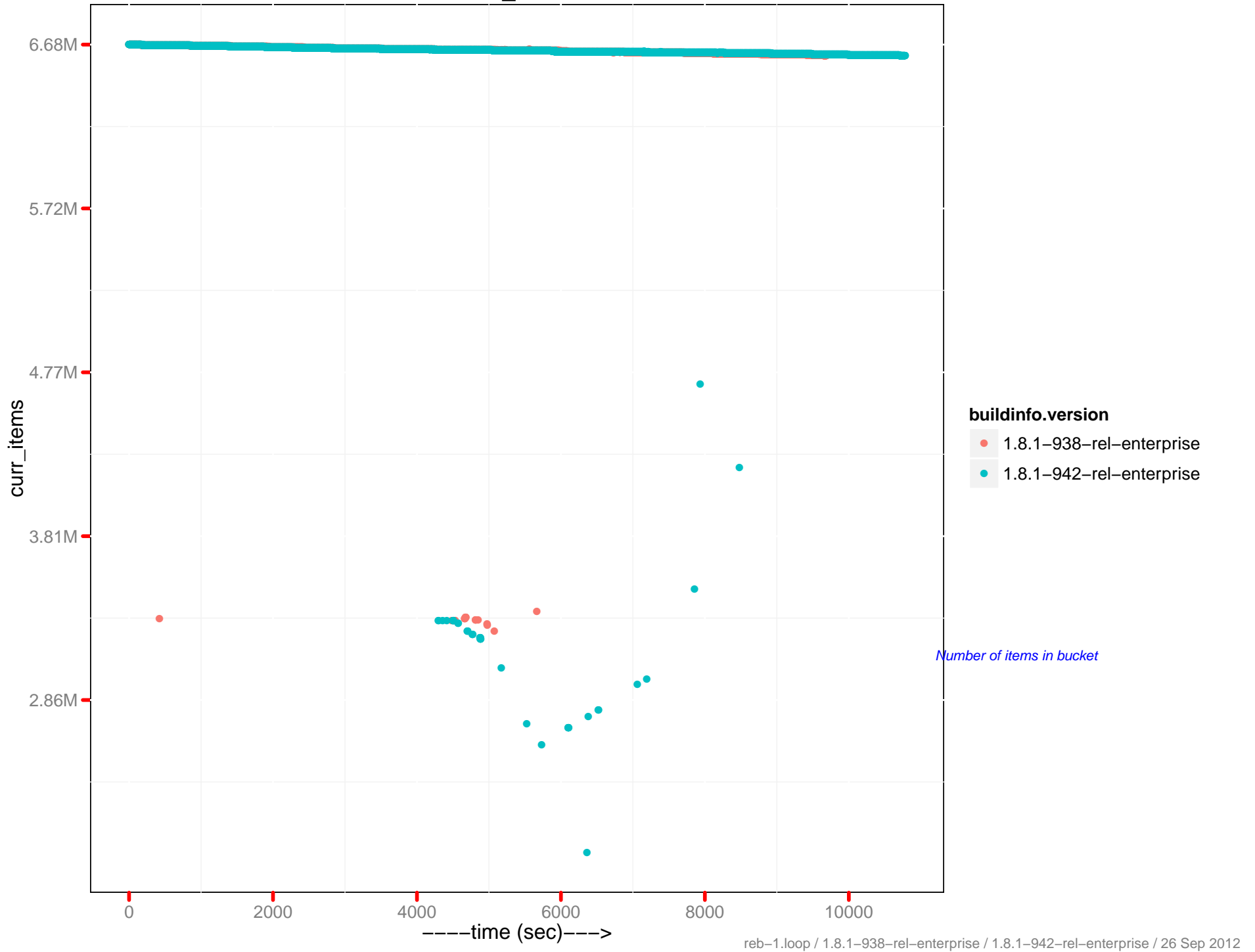
vb_active_resident_items_ratio



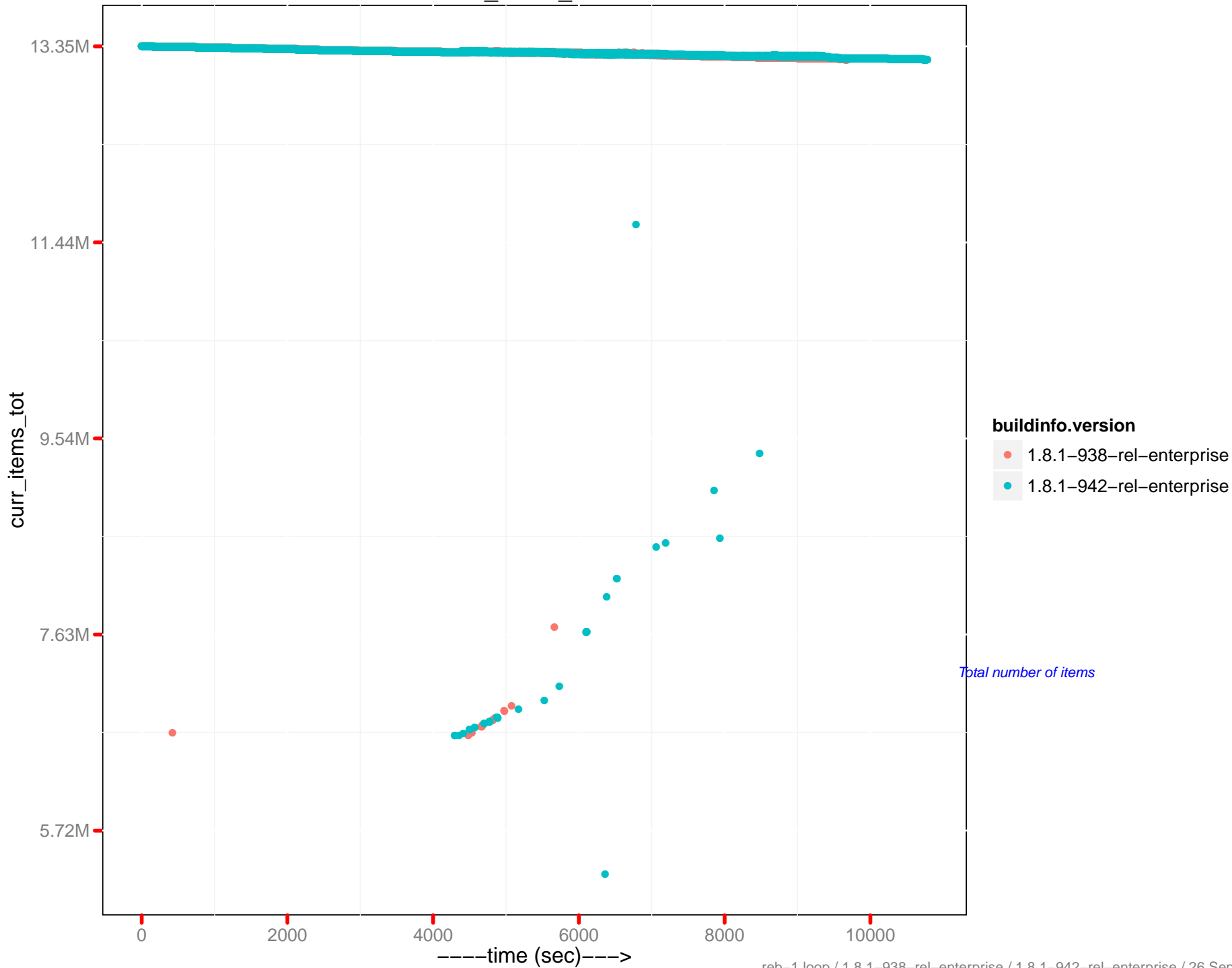
vb_replica_resident_items_ratio



curr_items

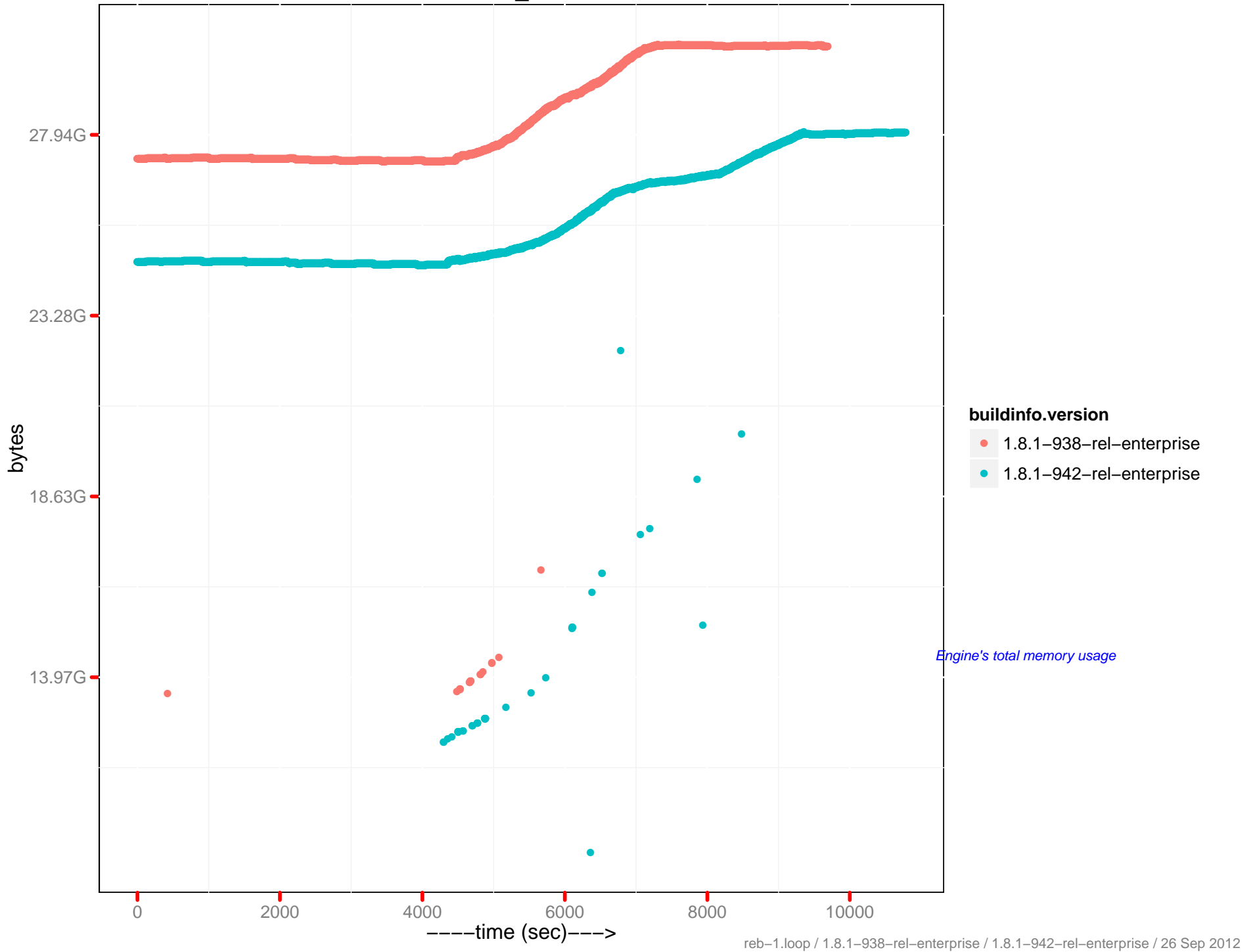


cur_items_total



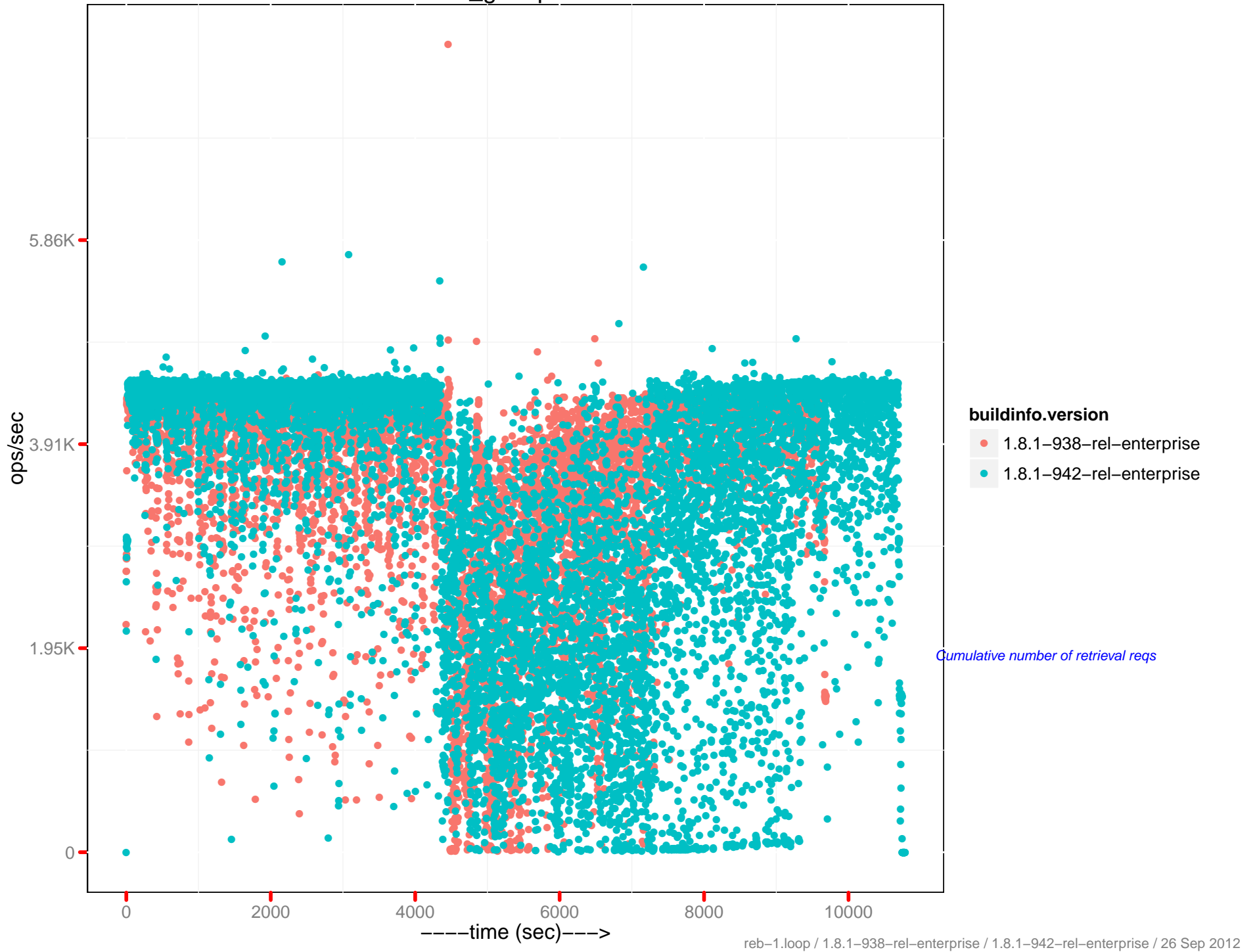
Total number of items

mem_used

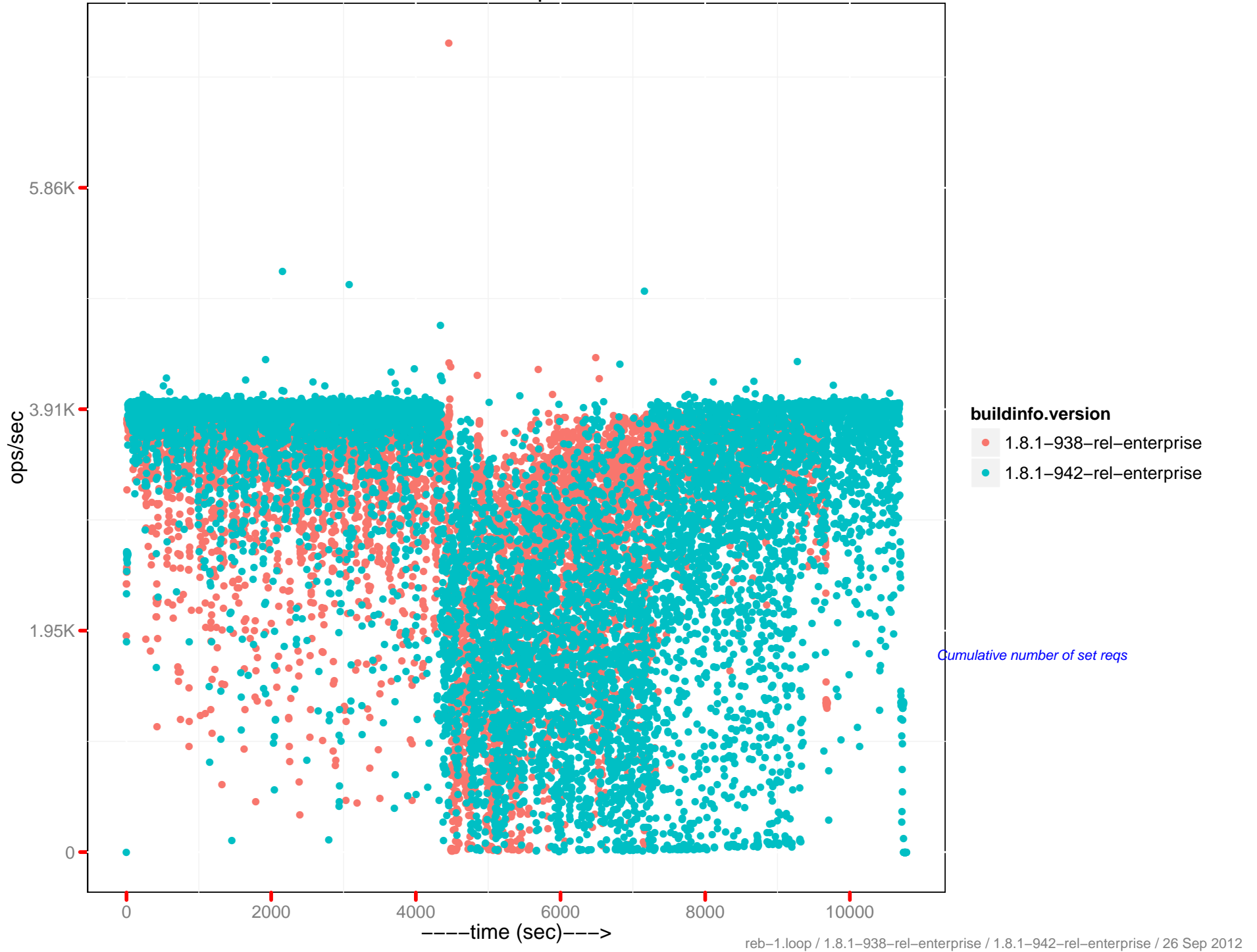


Engine's total memory usage

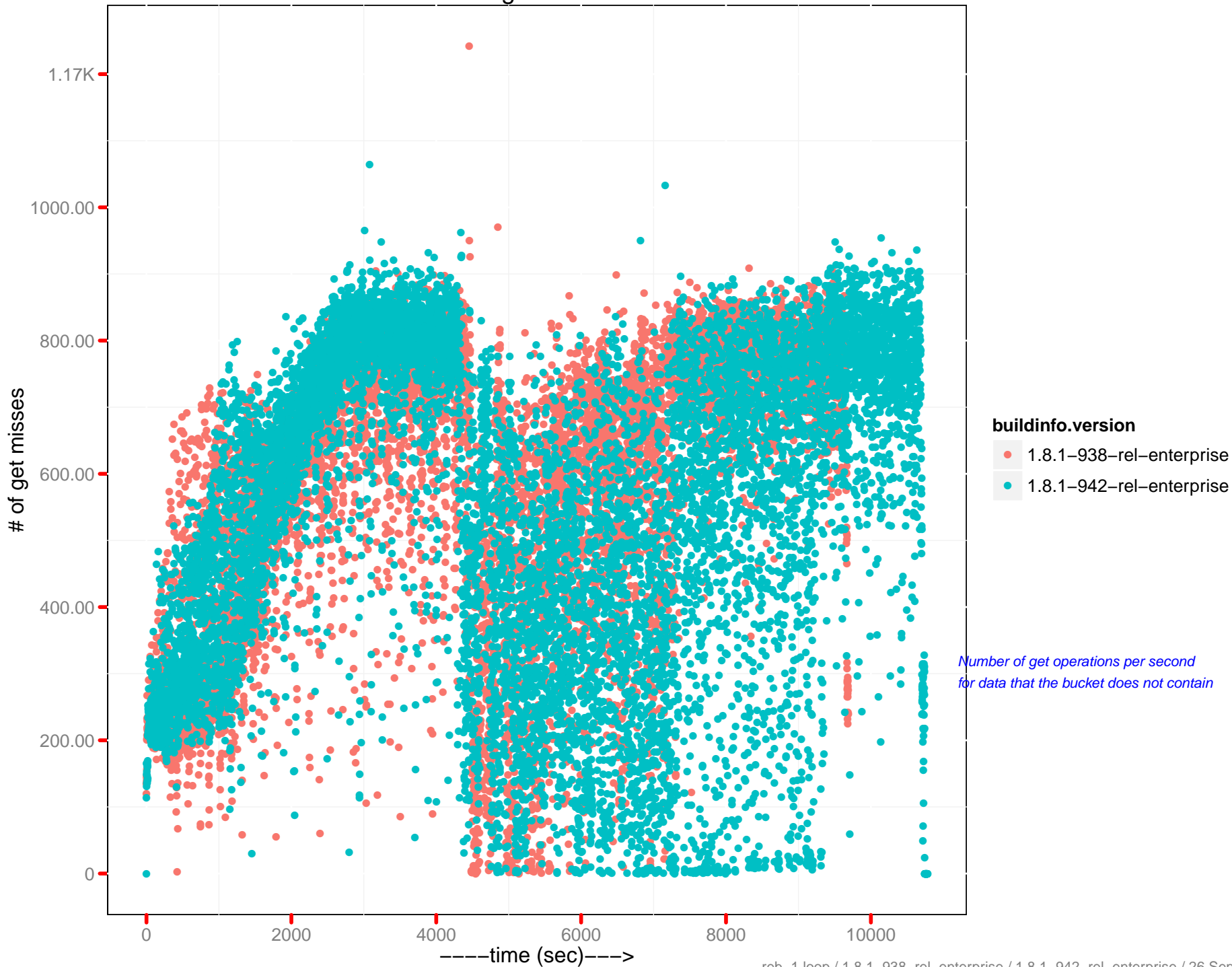
cmd_get ops/sec



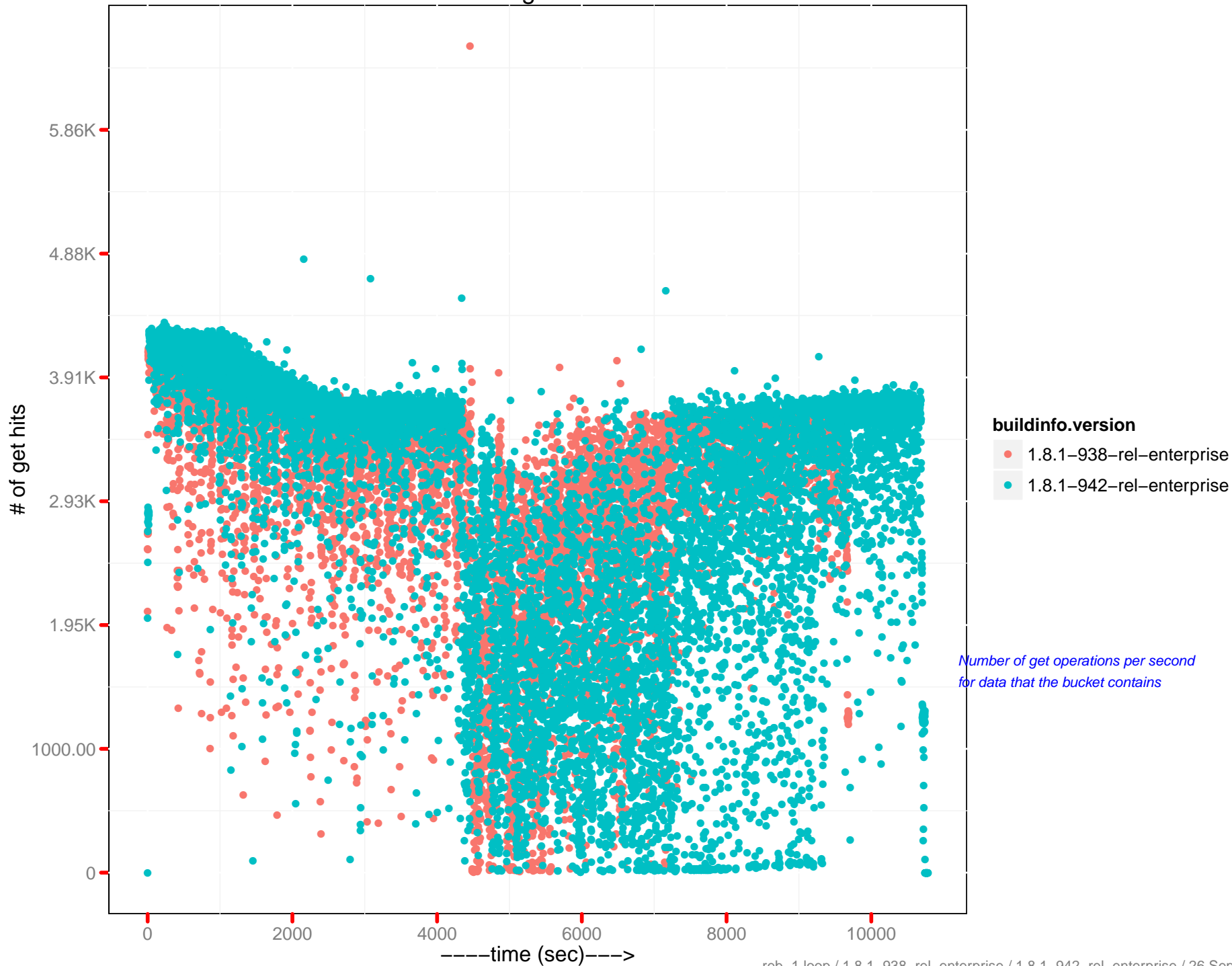
cmd_set ops/sec



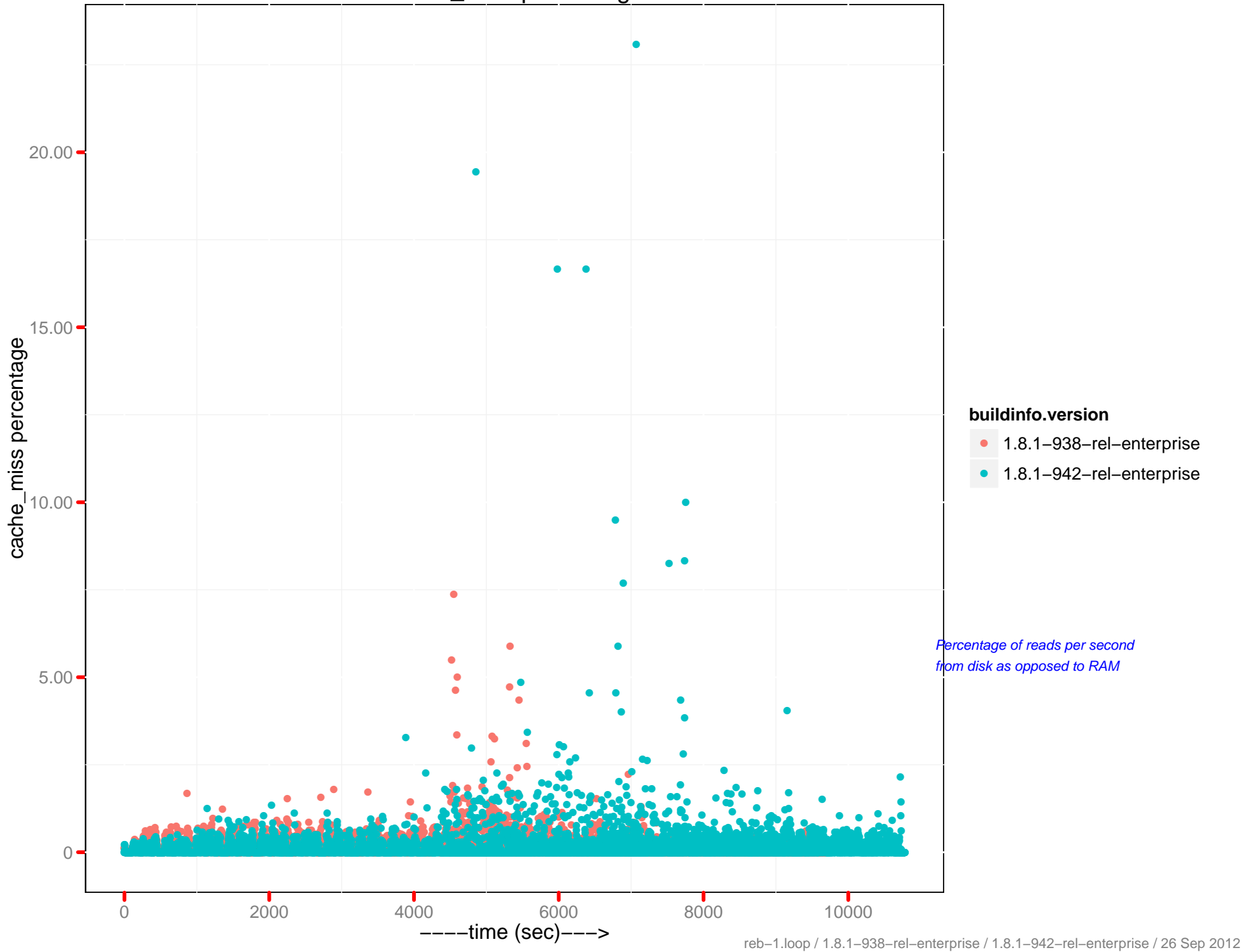
of get misses



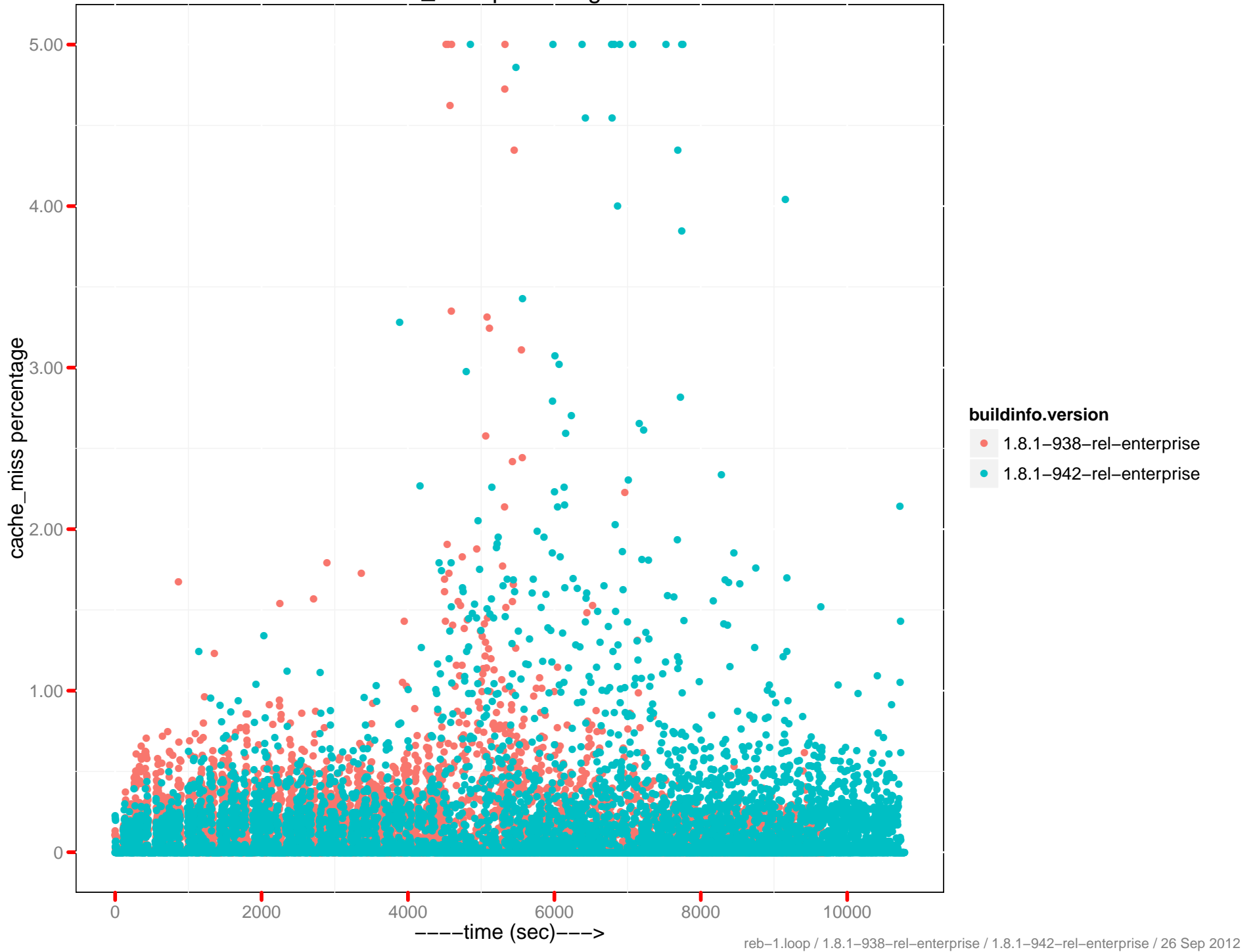
of get hits



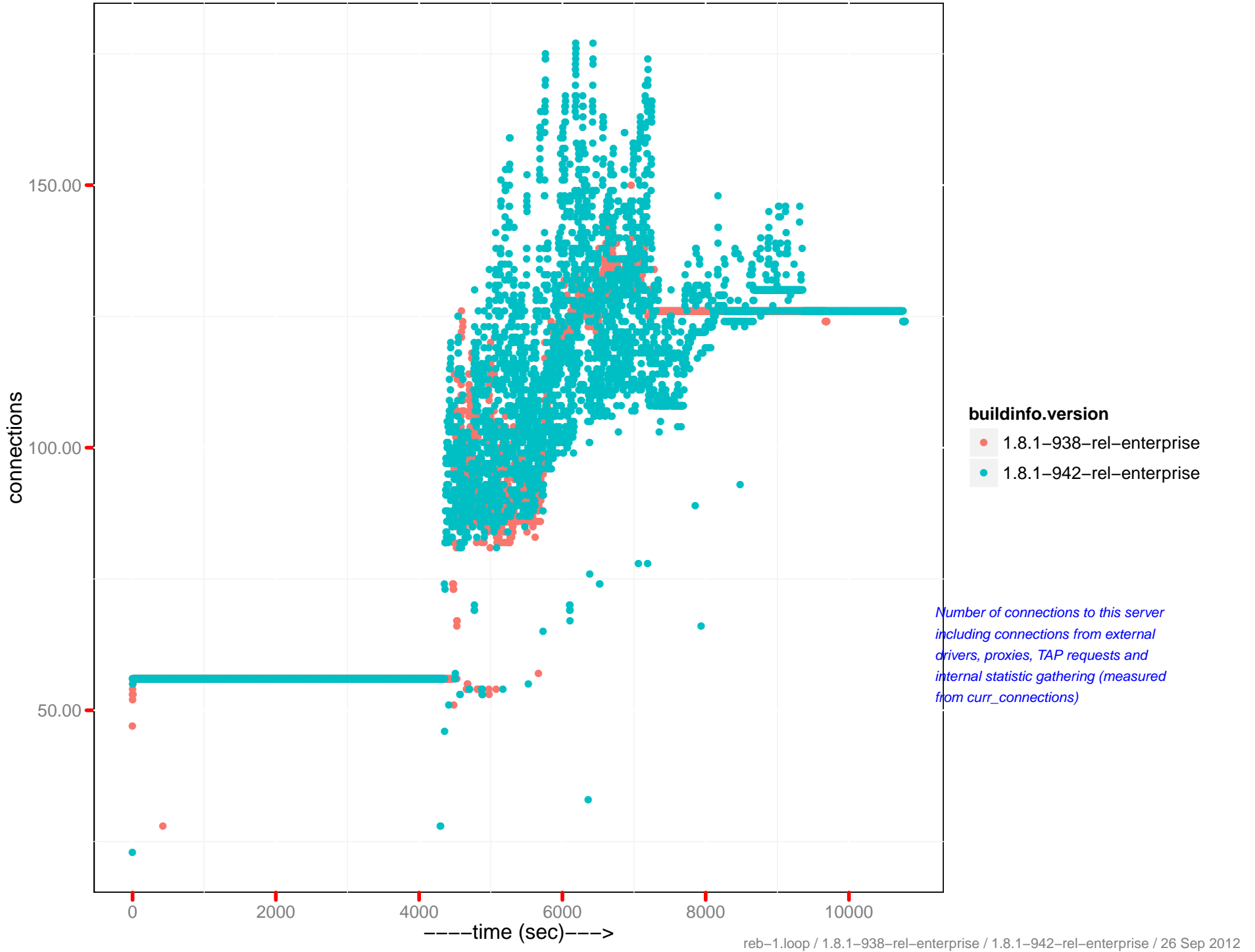
cache_miss percentage



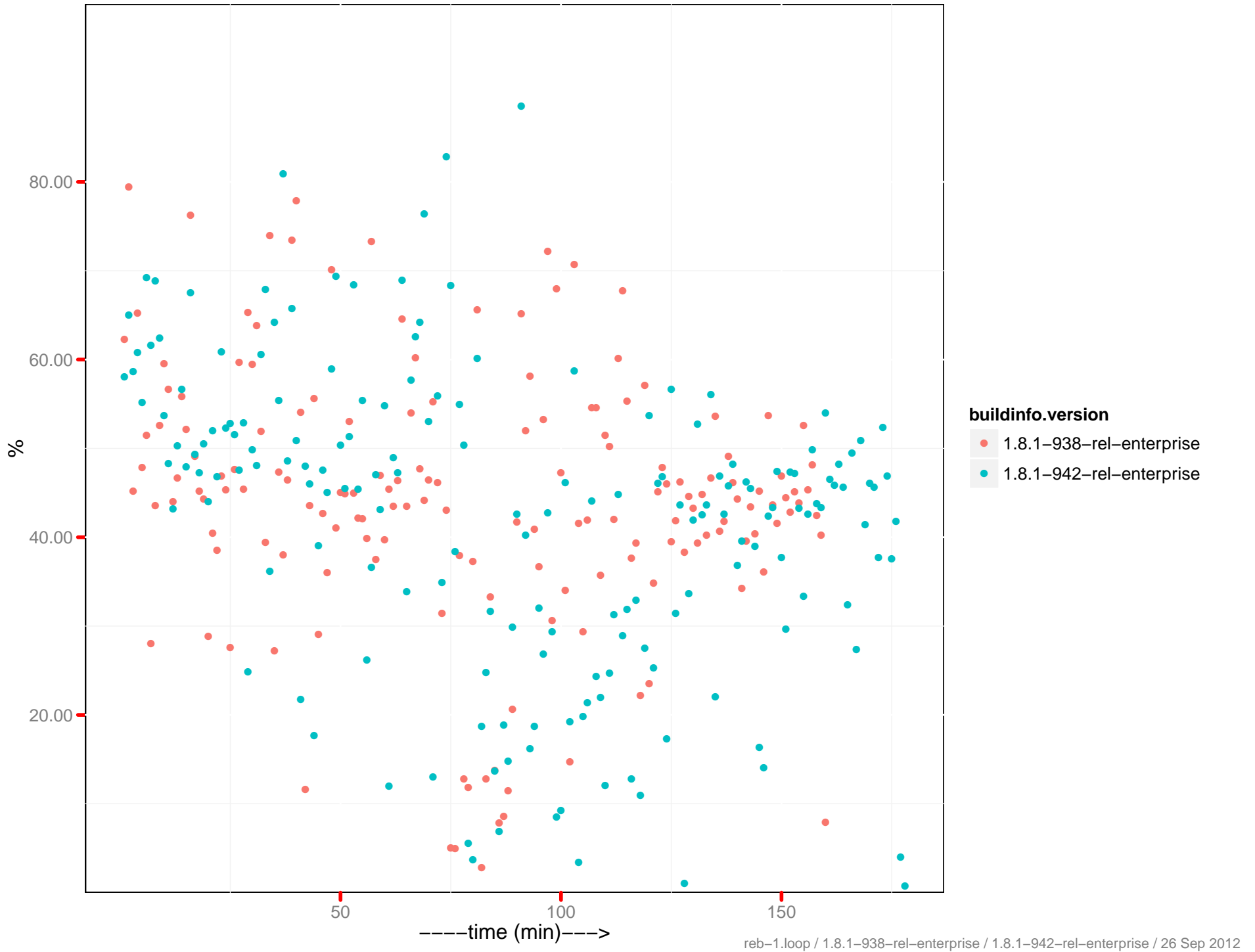
cache_miss percentage 0-5



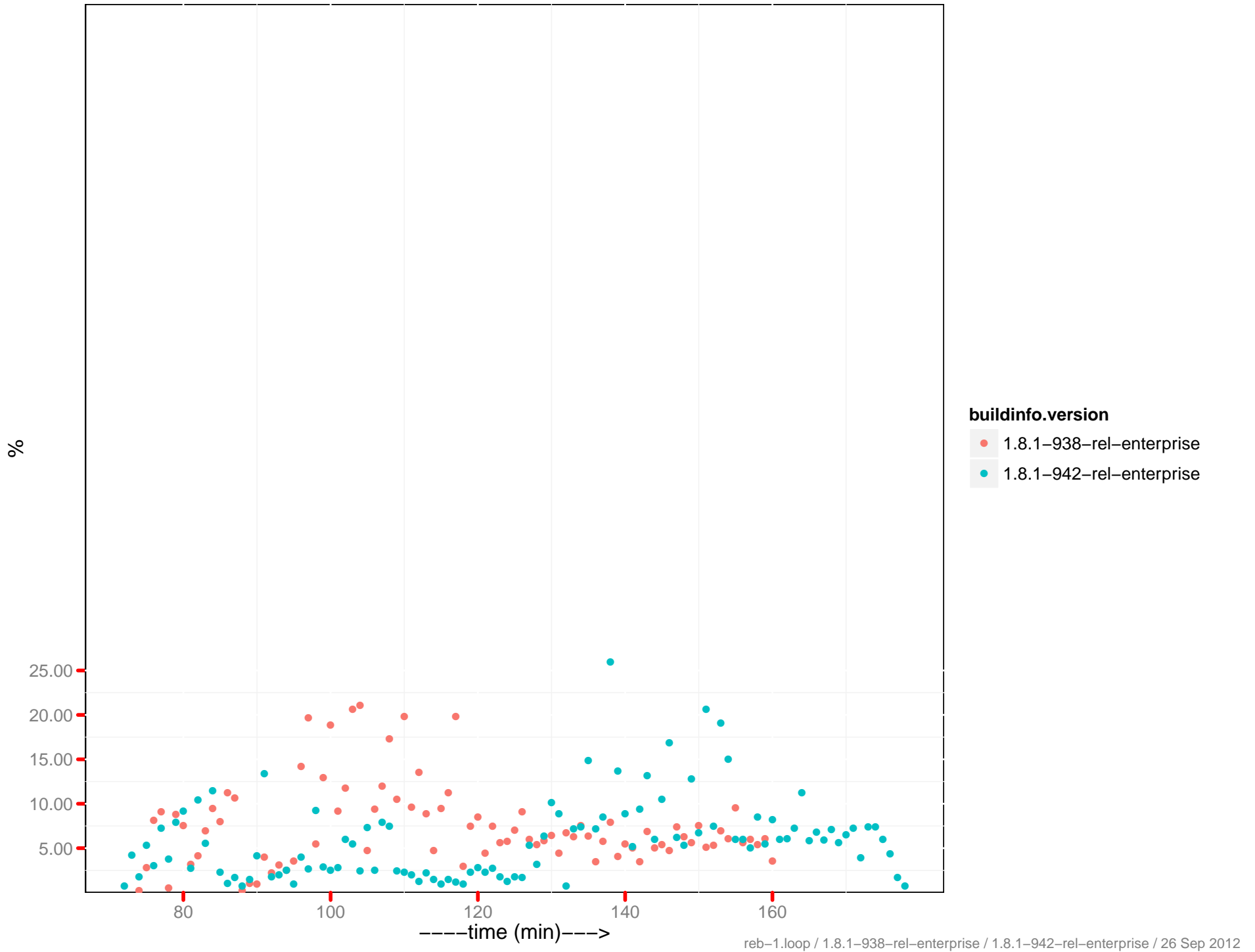
Number of connections



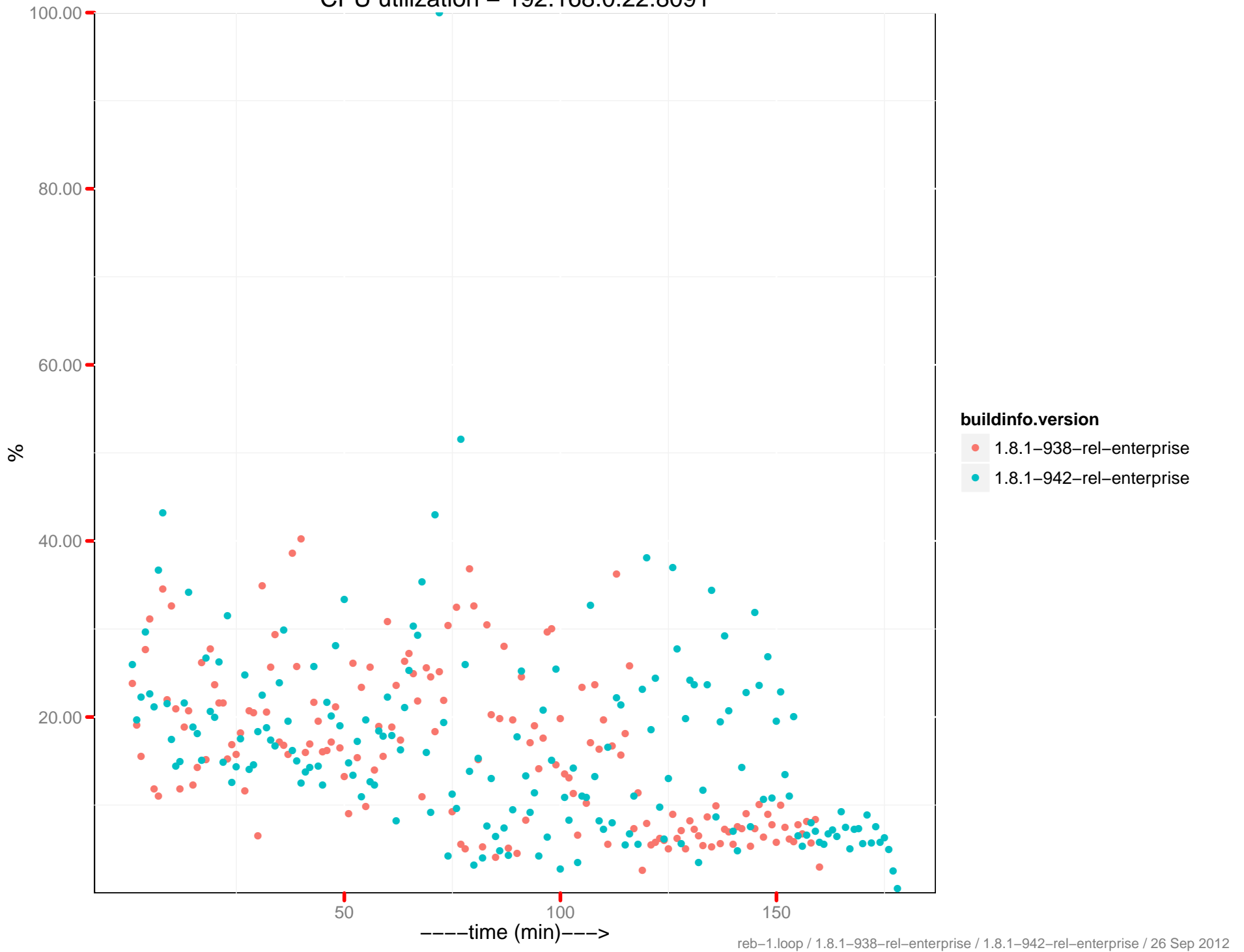
CPU utilization – 192.168.0.20:8091



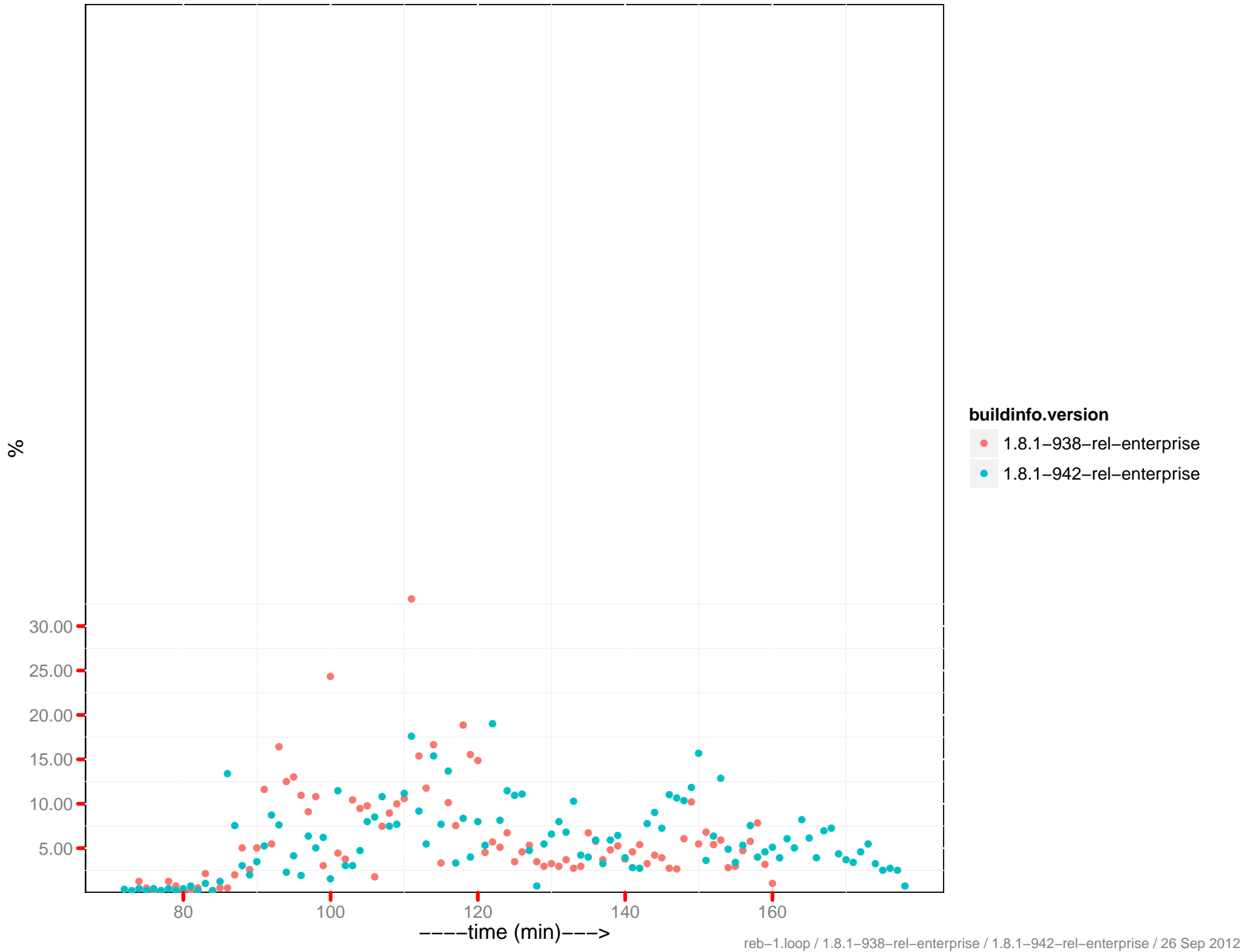
CPU utilization – 192.168.0.21:8091



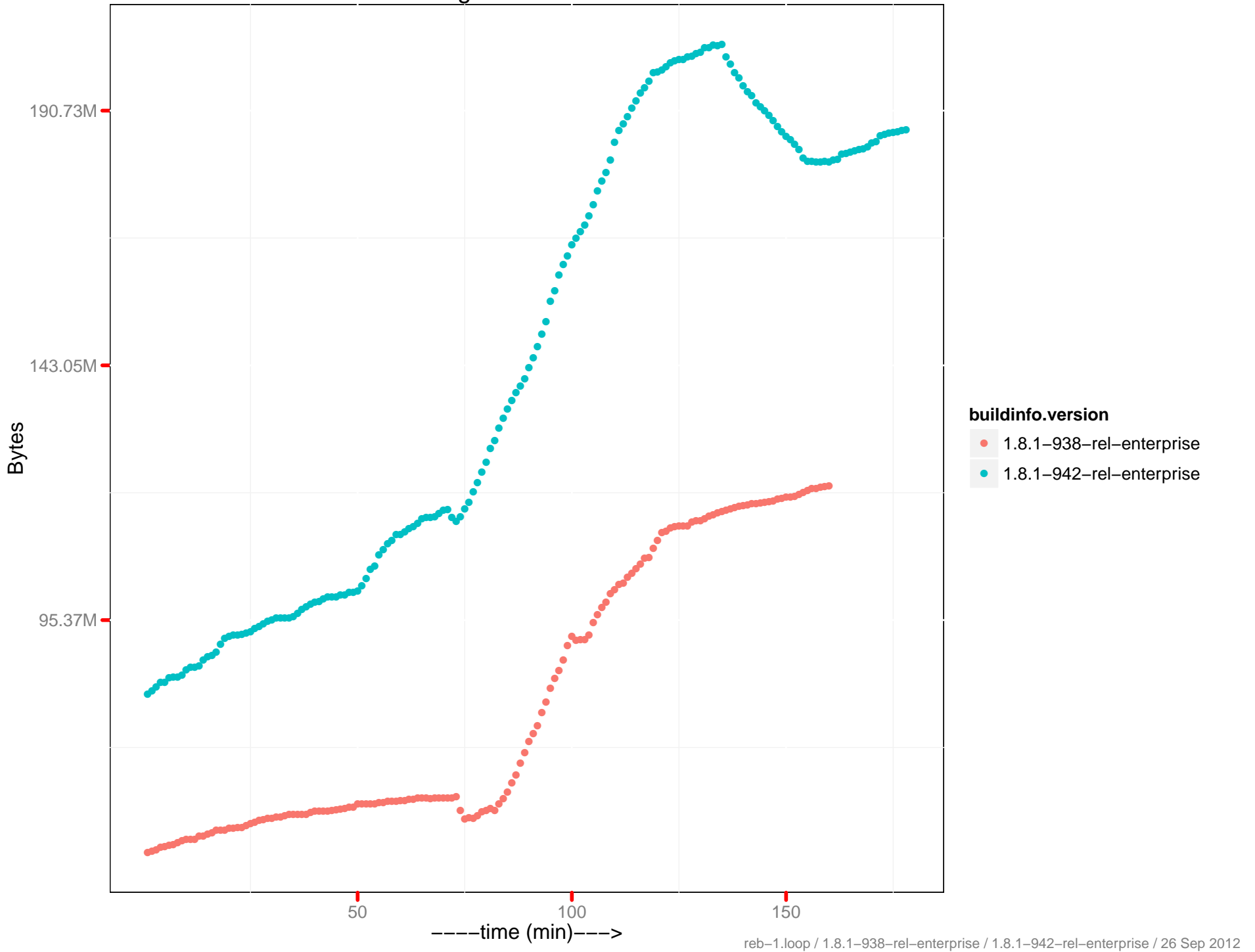
CPU utilization – 192.168.0.22:8091



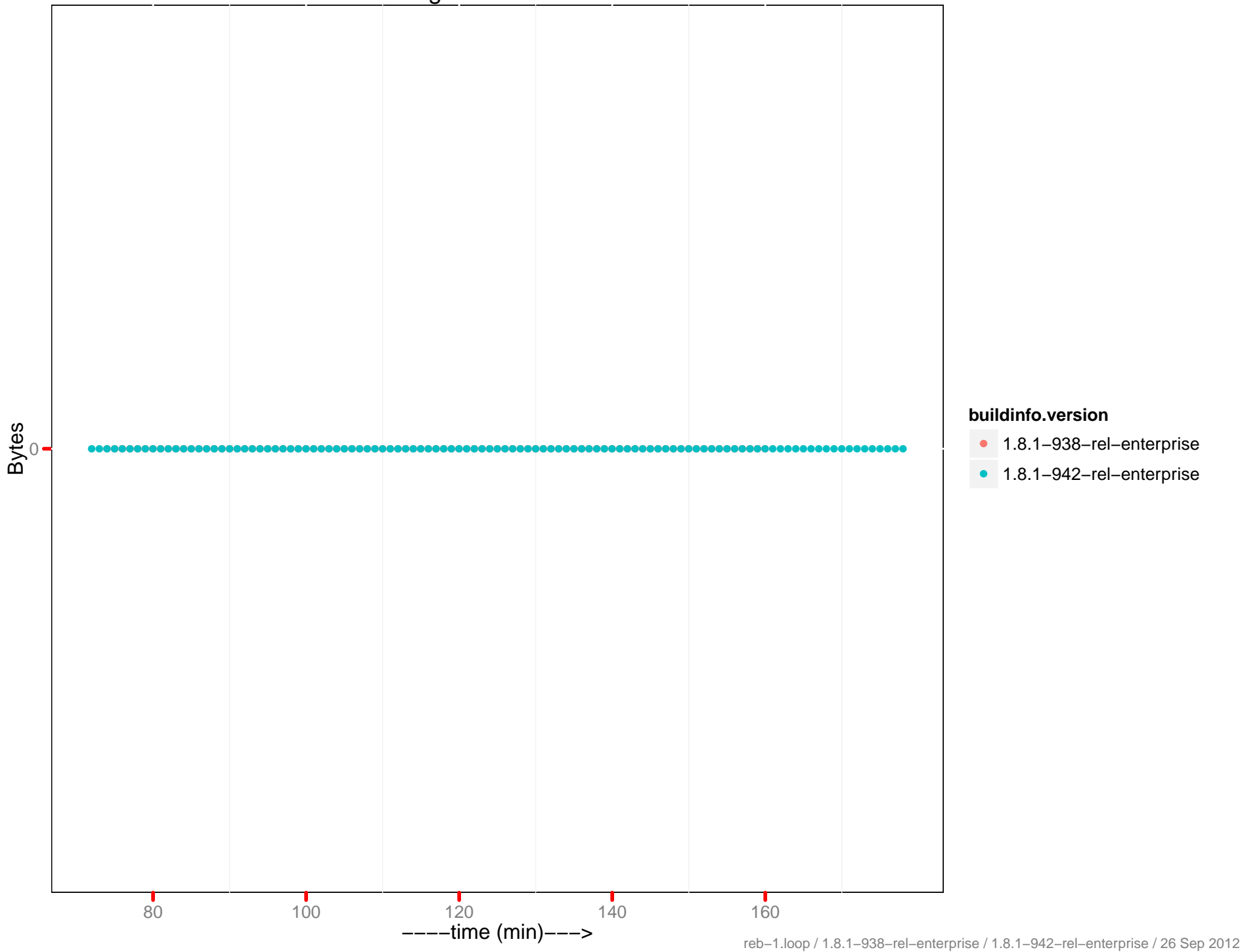
CPU utilization – 192.168.0.23:8091



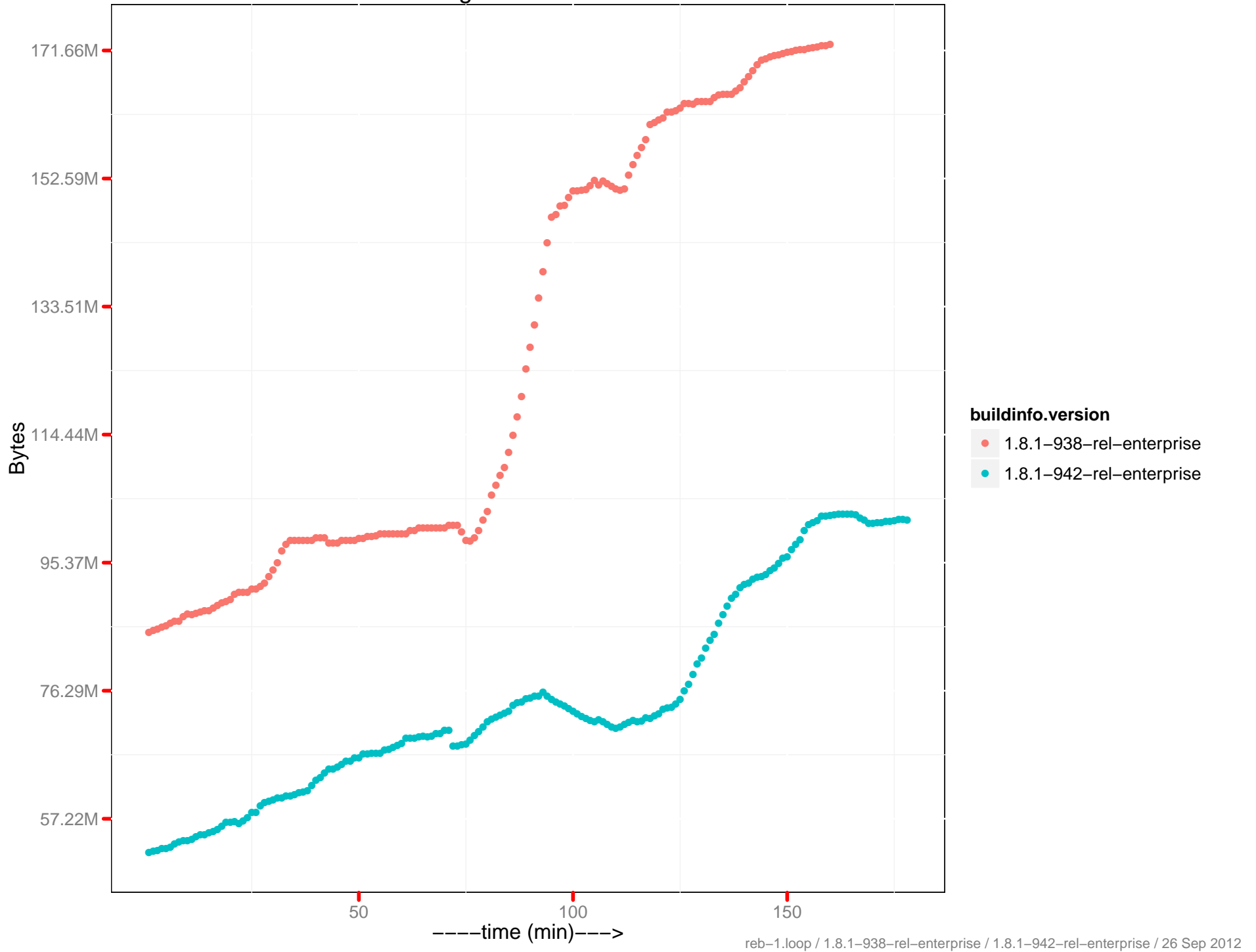
SWAP Usage – 192.168.0.20:8091



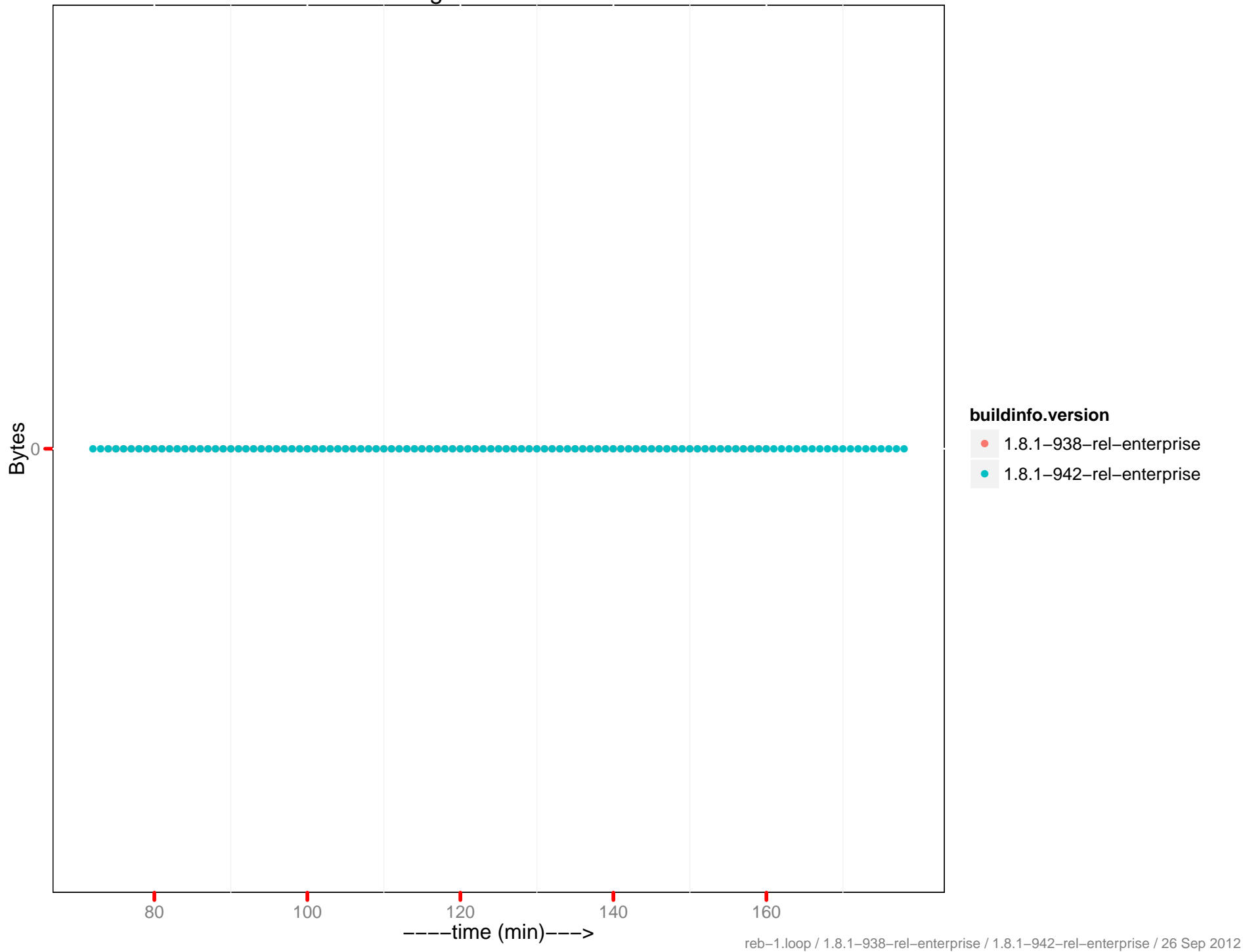
SWAP Usage – 192.168.0.21:8091



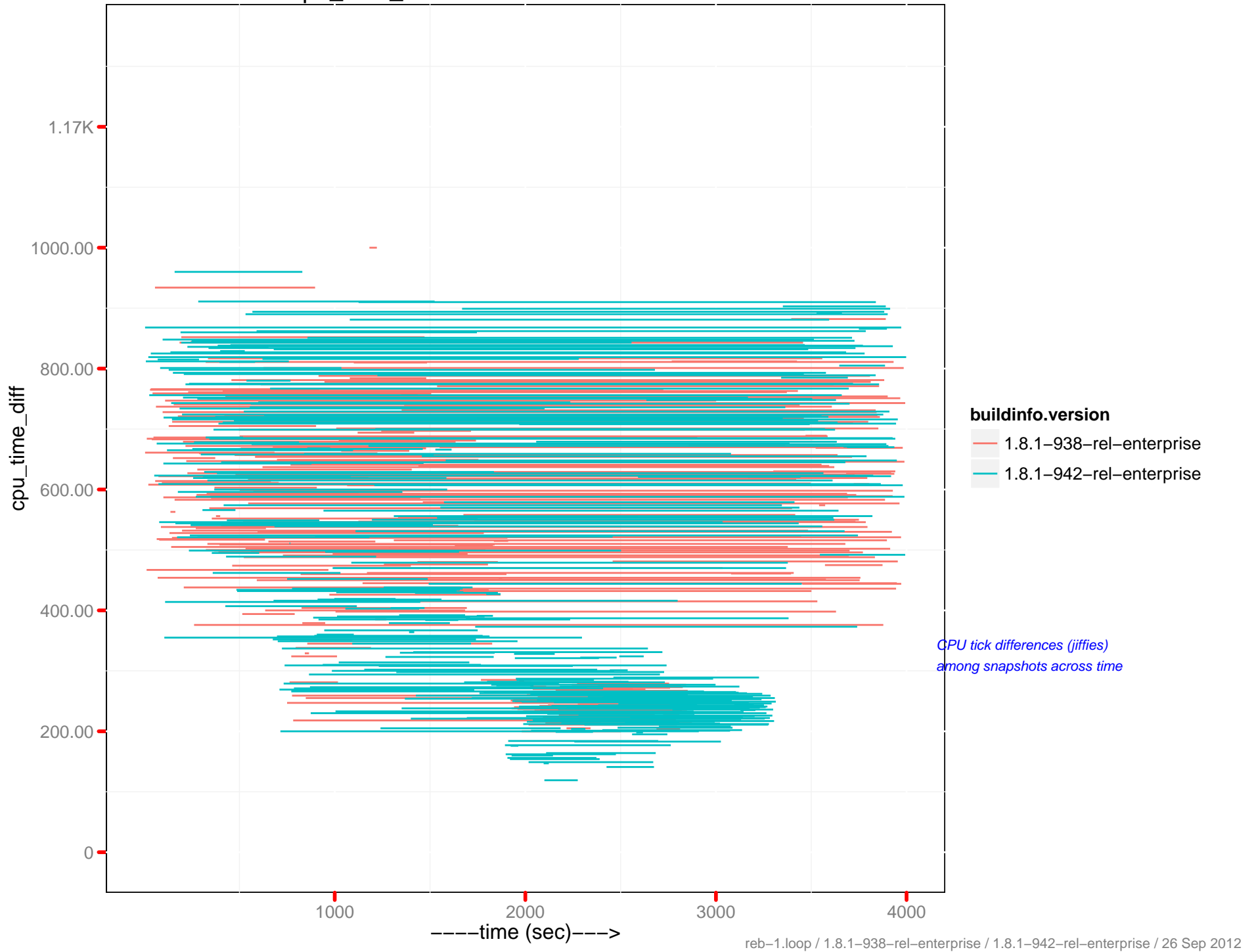
SWAP Usage – 192.168.0.22:8091



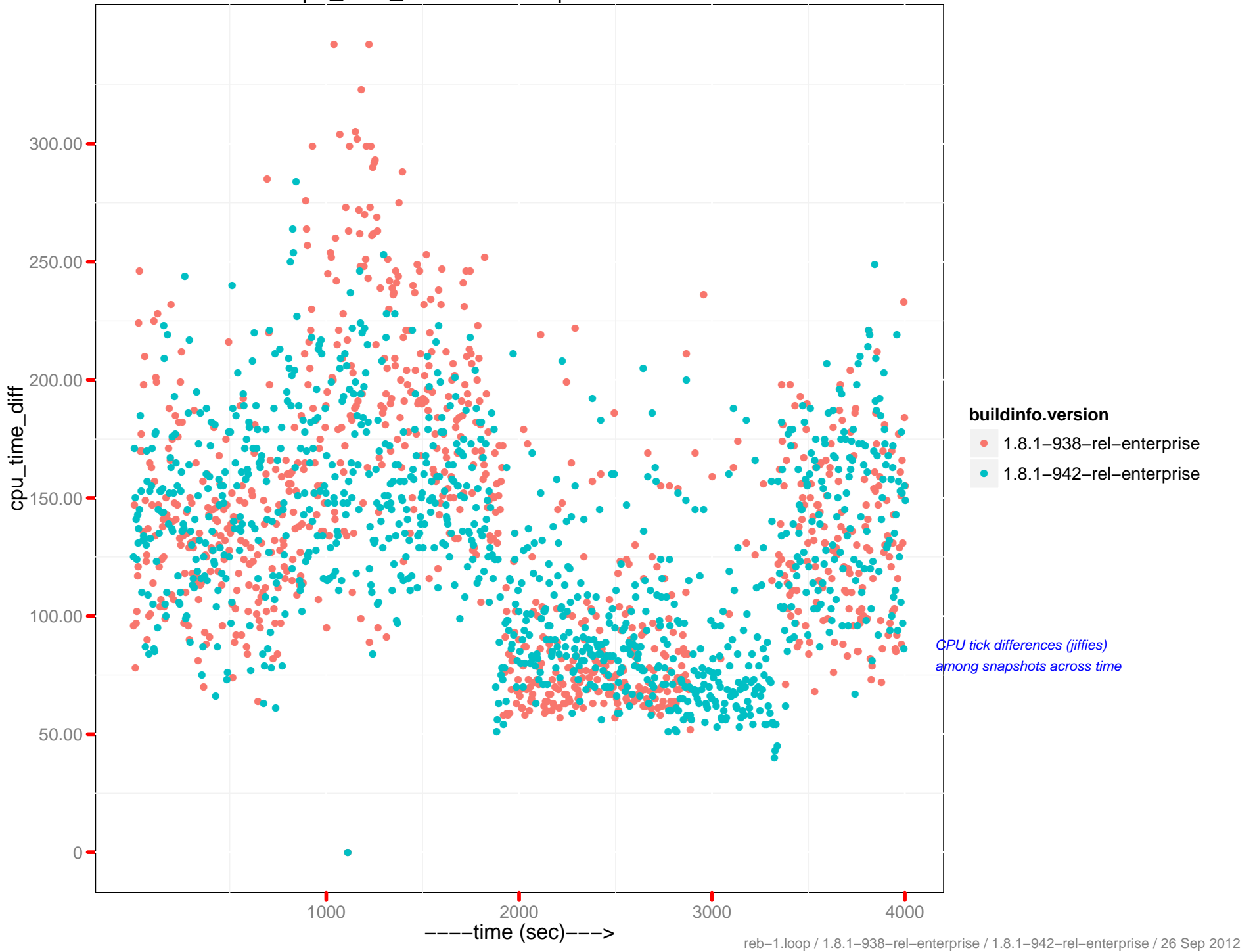
SWAP Usage – 192.168.0.23:8091



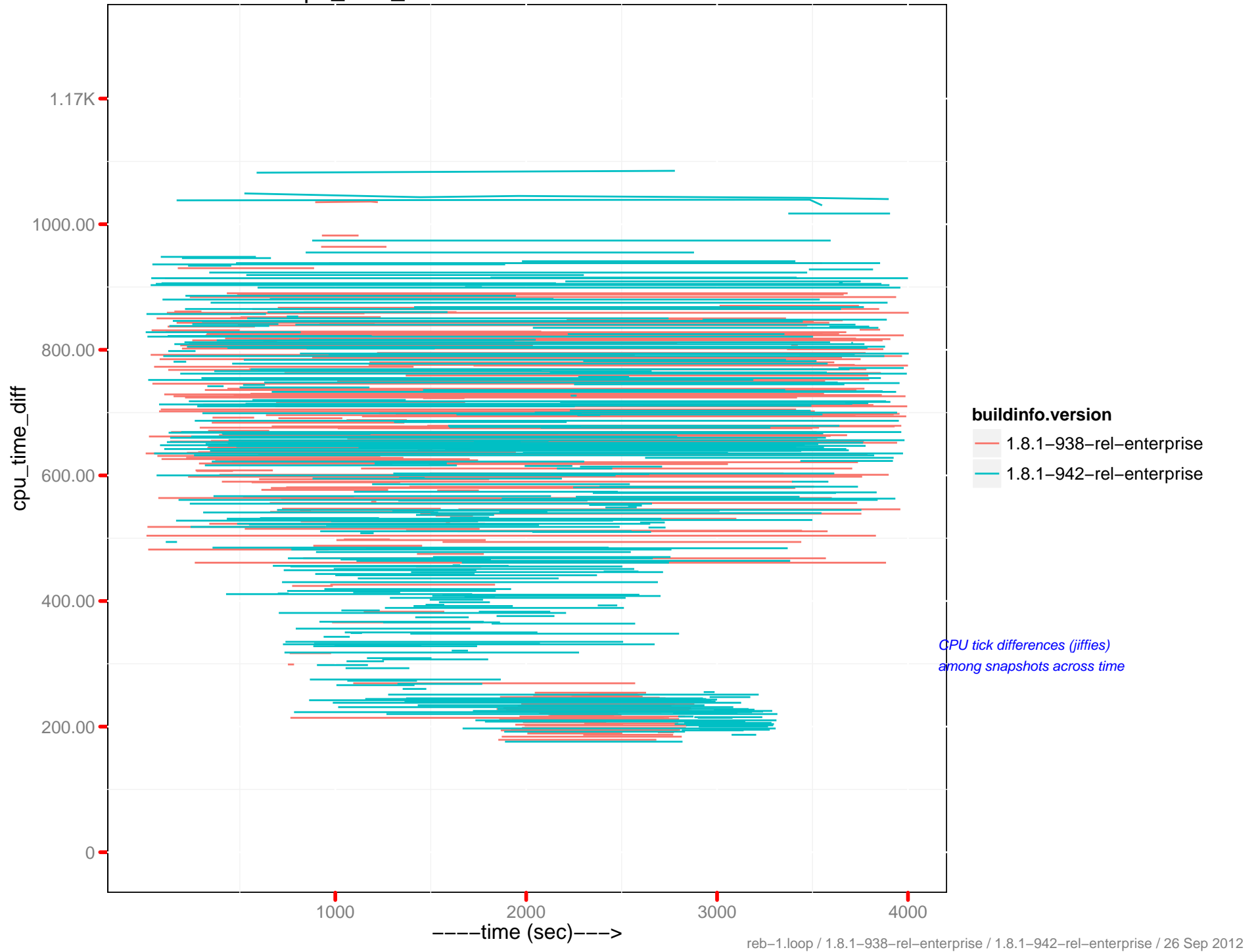
cpu_time_diff: memcached - 192.168.0.20



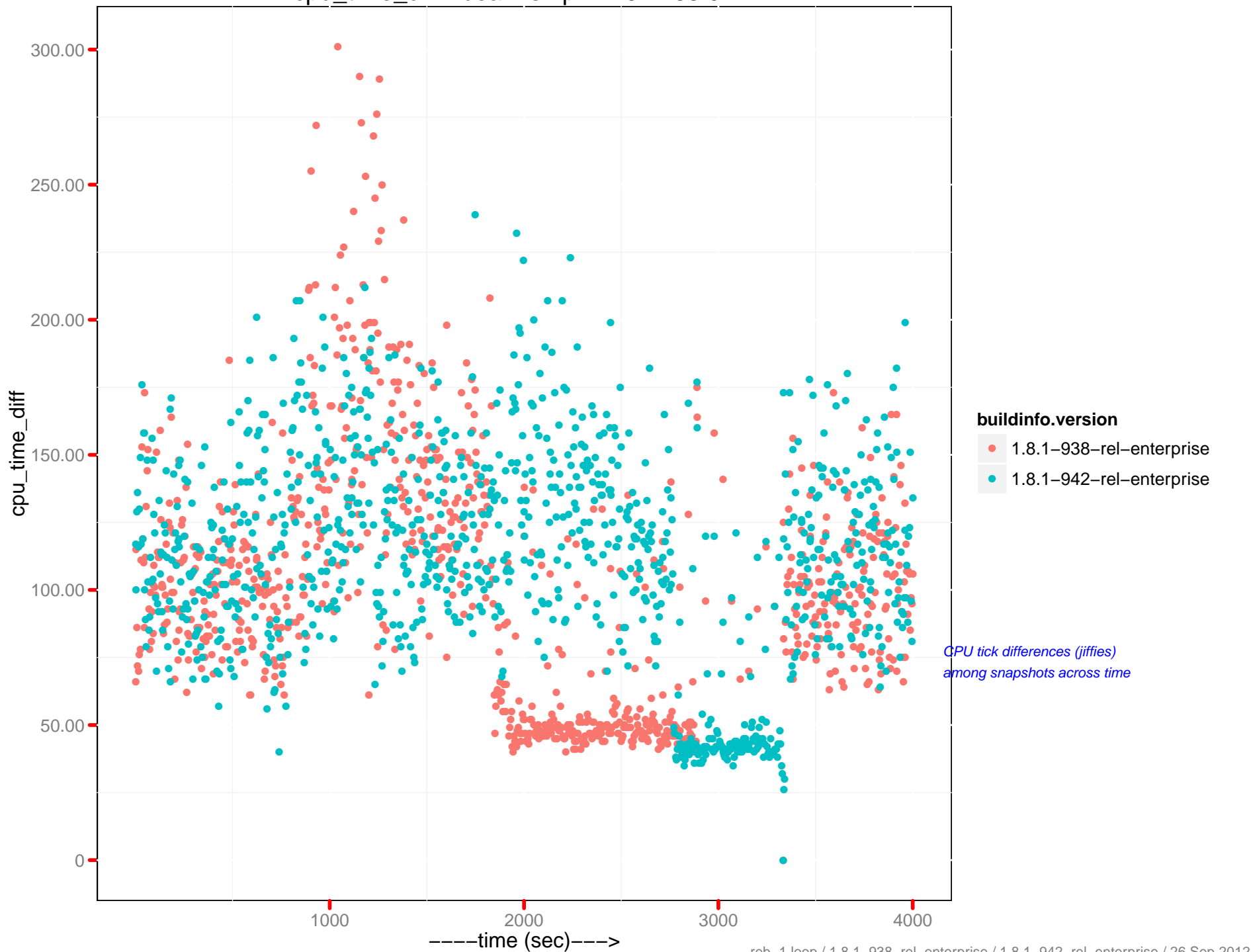
cpu_time_diff : beam.smp - 192.168.0.20



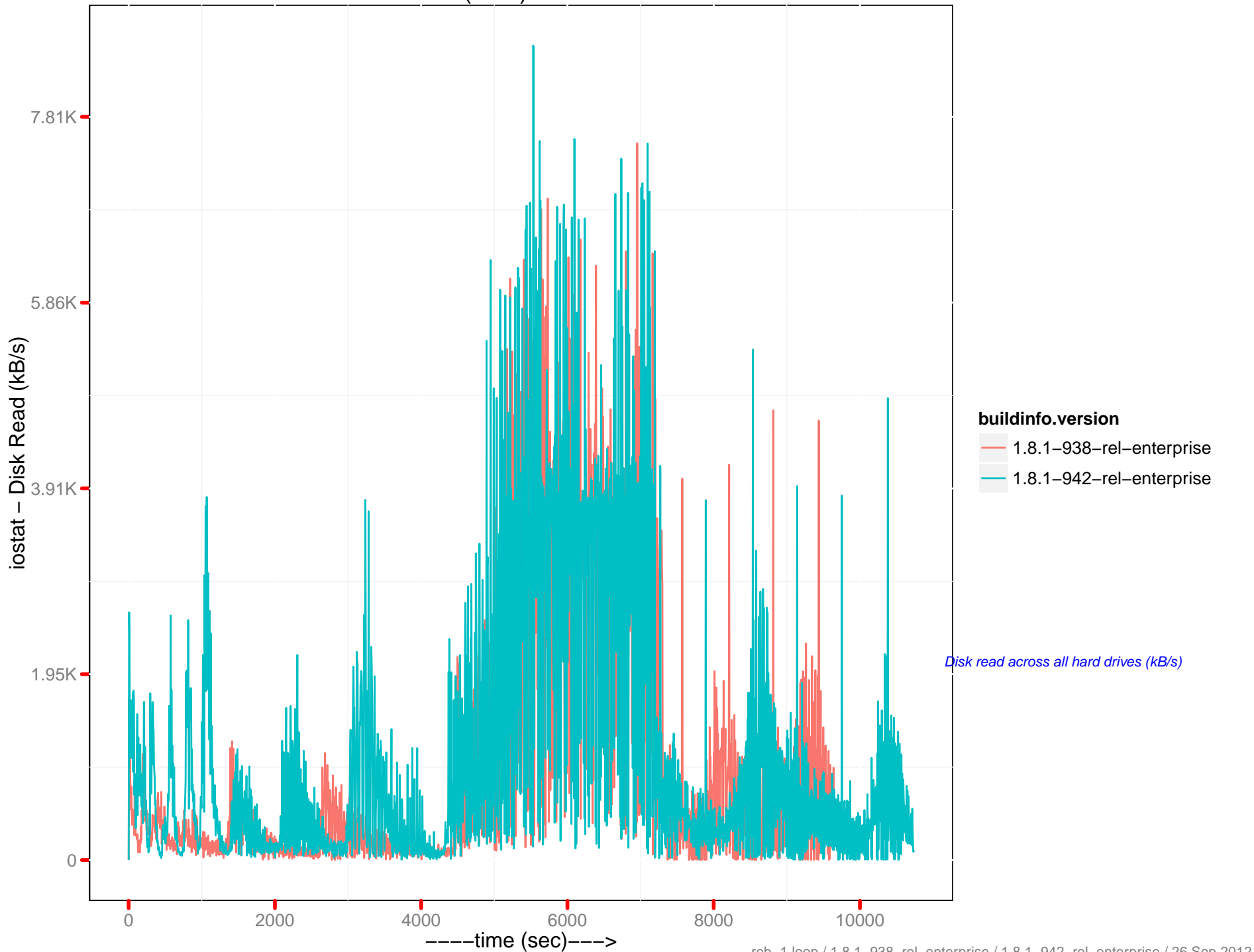
cpu_time_diff: memcached - 192.168.0.22



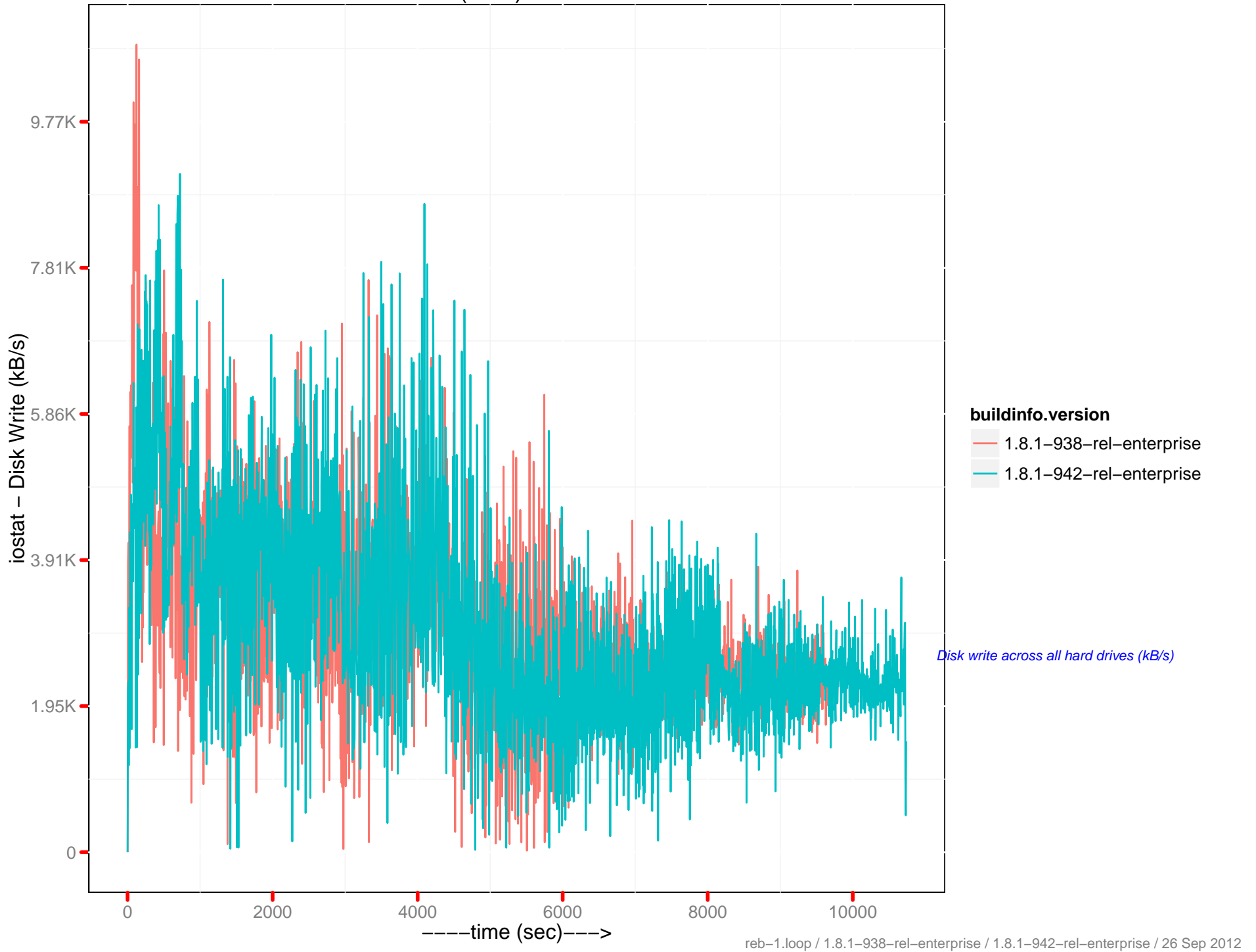
cpu_time_diff : beam.smp - 192.168.0.22



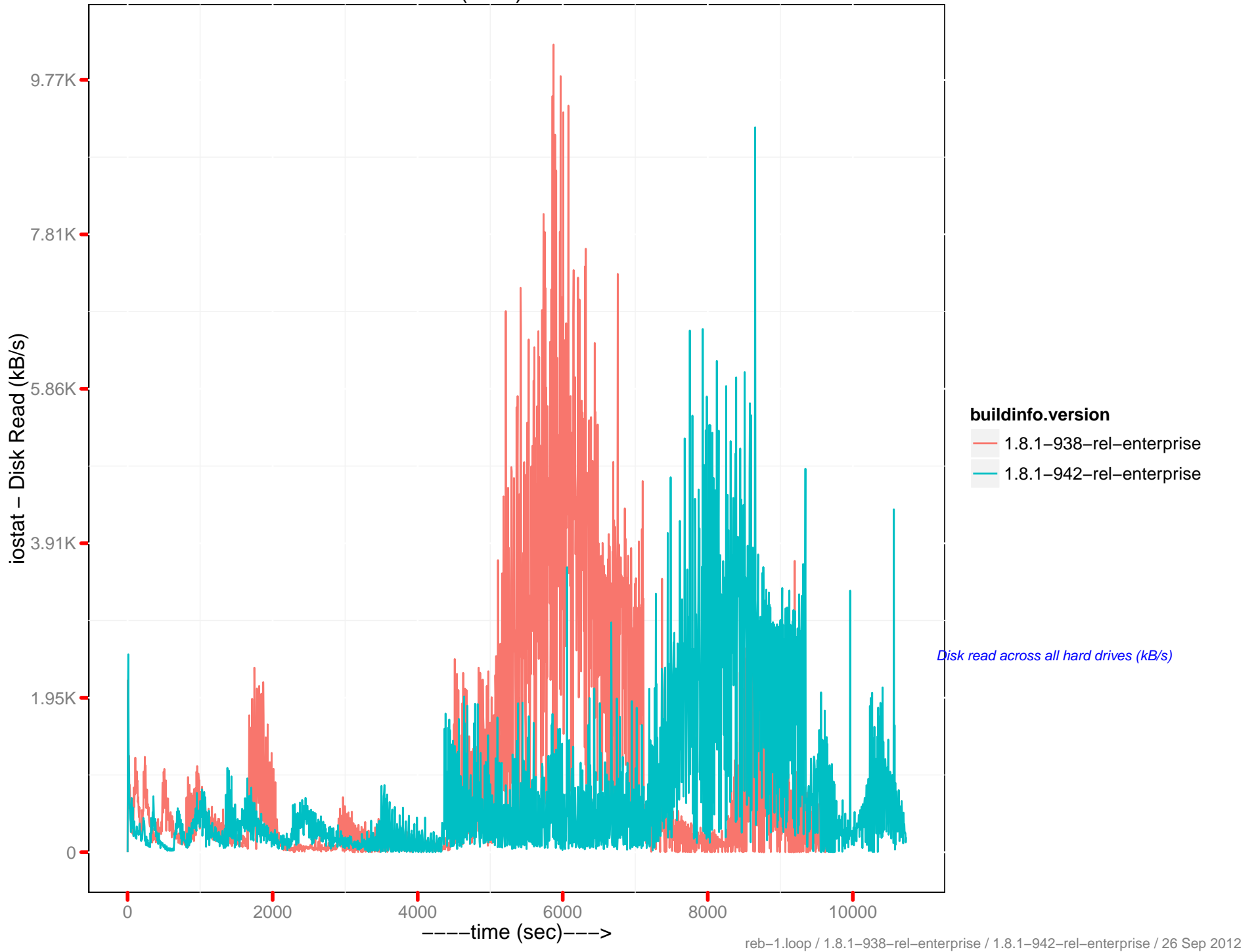
Disk Read (kB/s) : 192.168.0.20



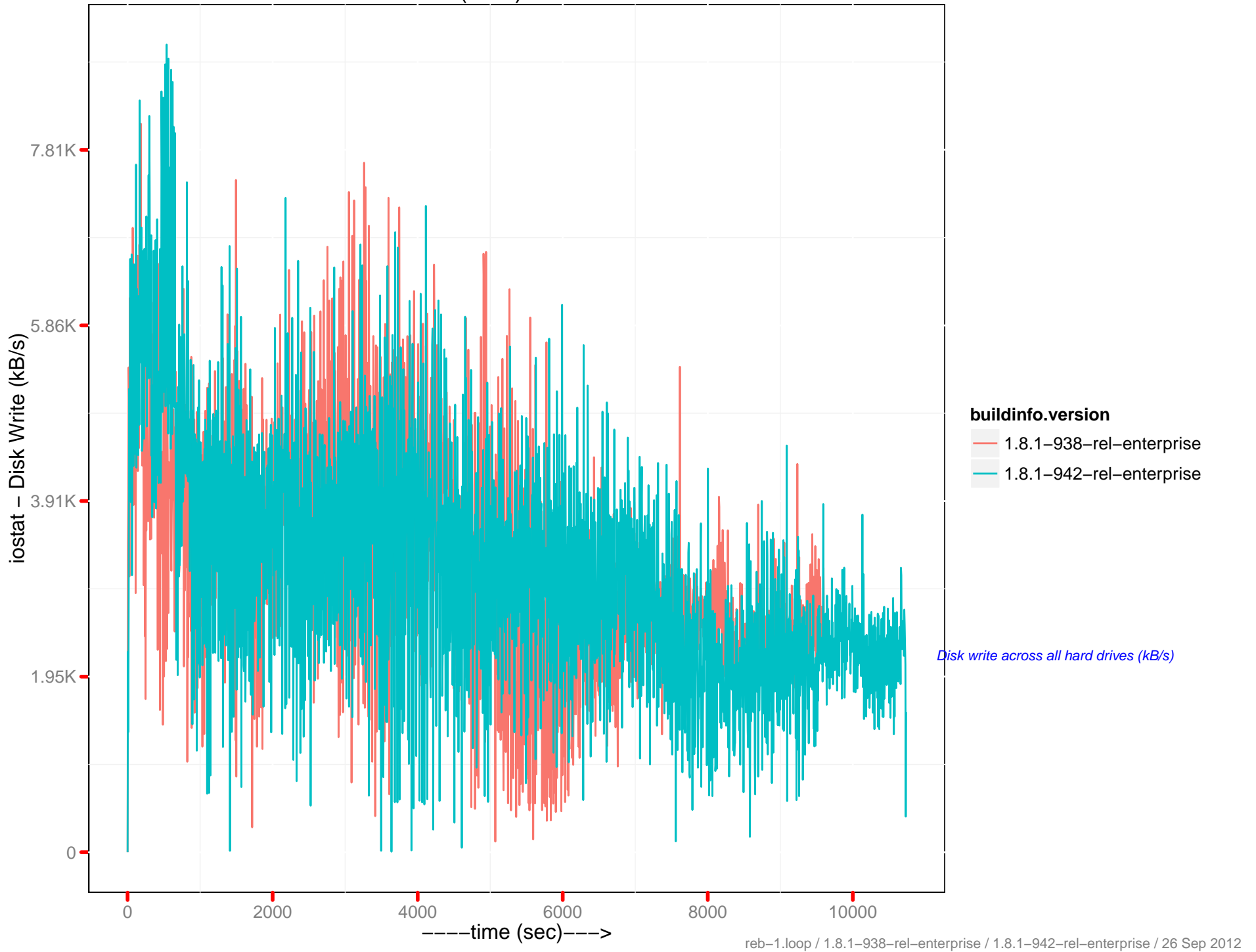
Disk Write (kB/s) : 192.168.0.20



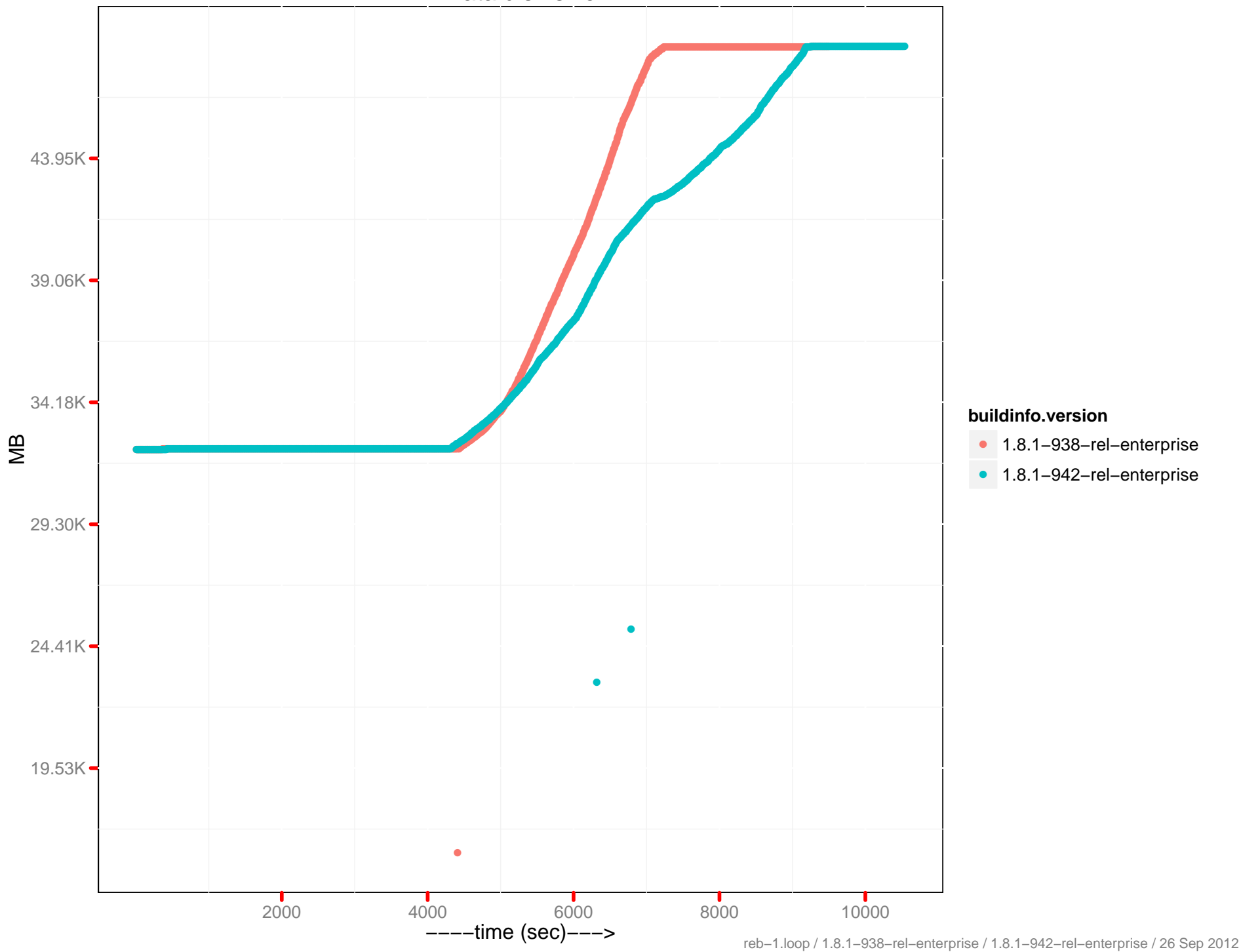
Disk Read (kB/s) : 192.168.0.22



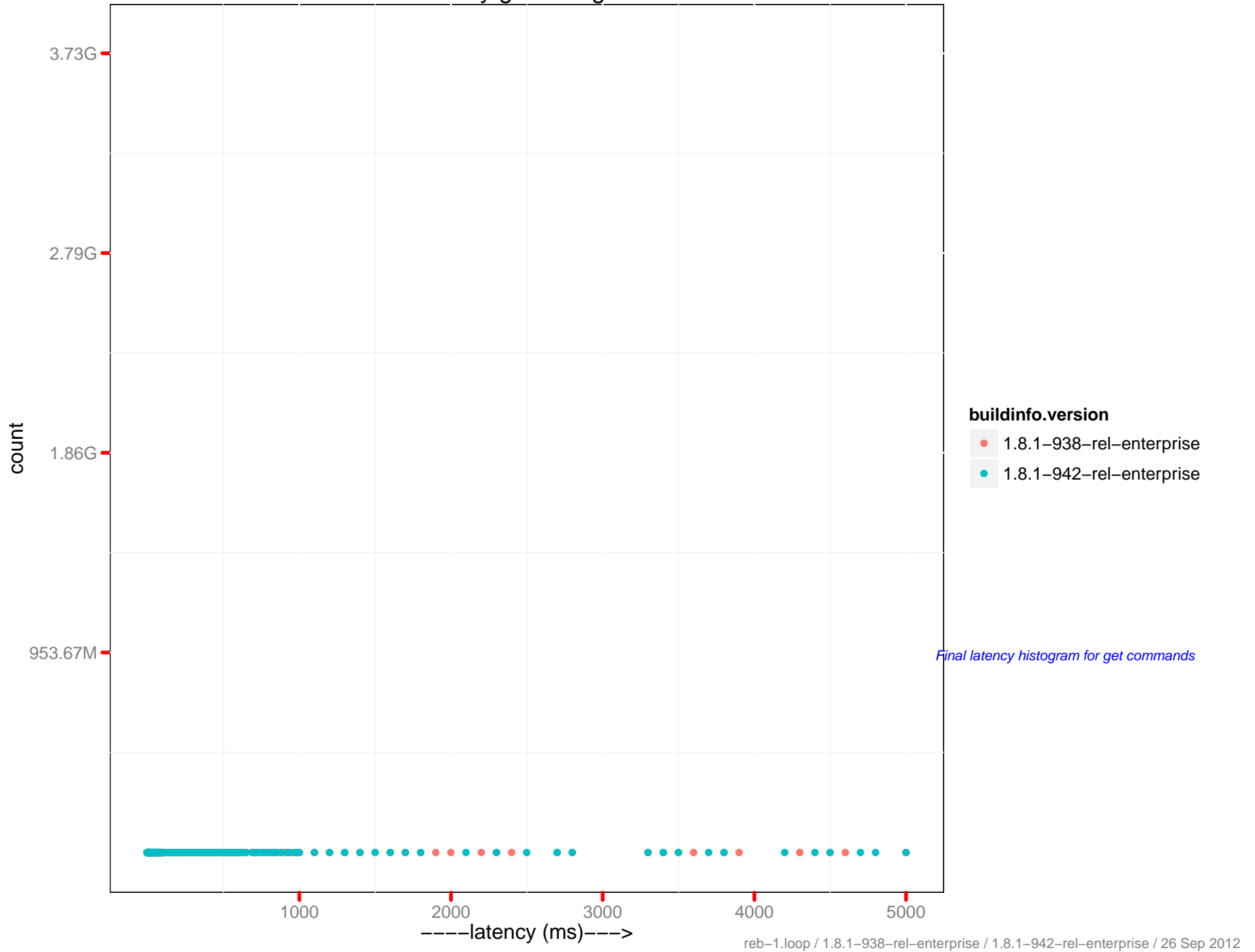
Disk Write (kB/s) : 192.168.0.22



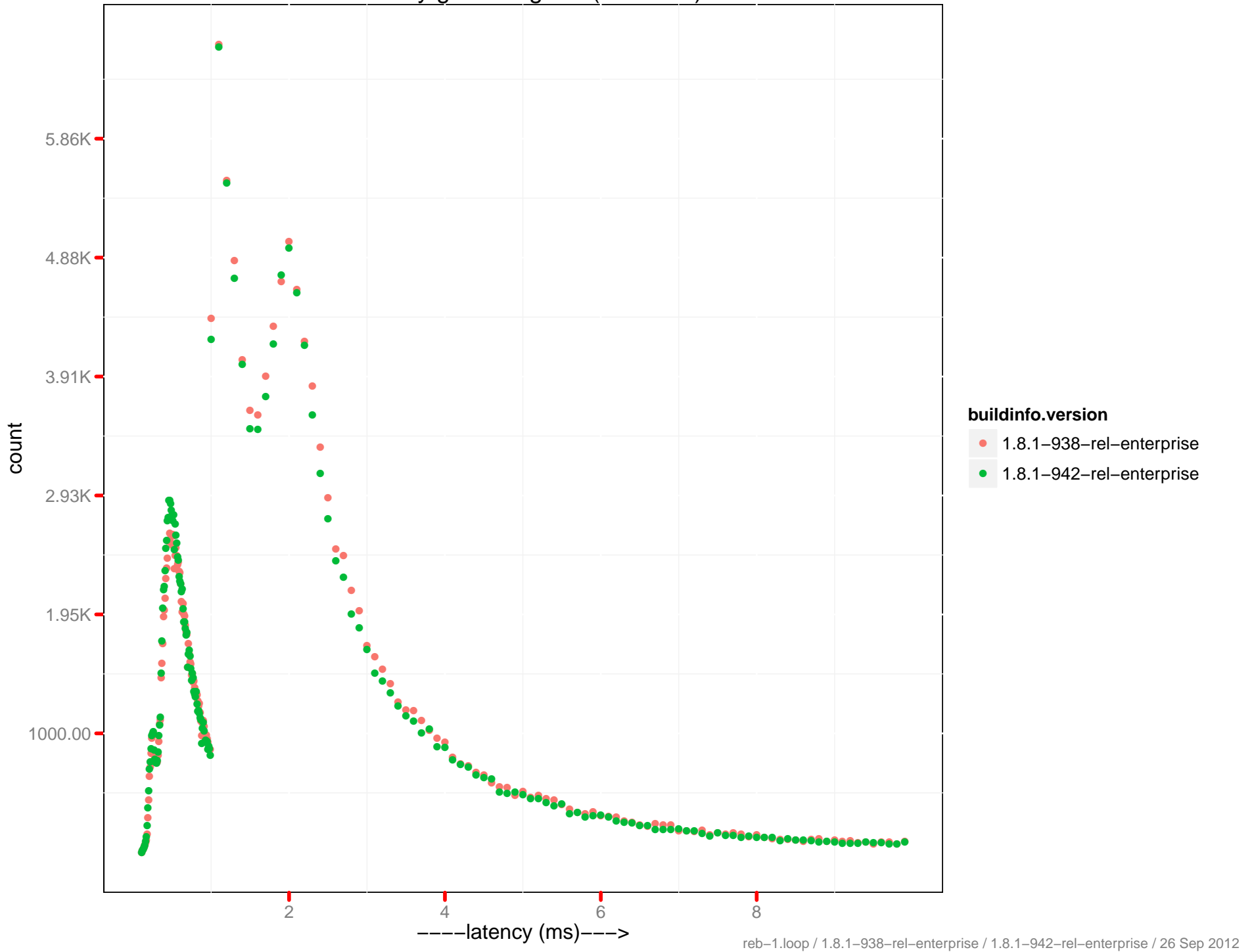
Data disk size



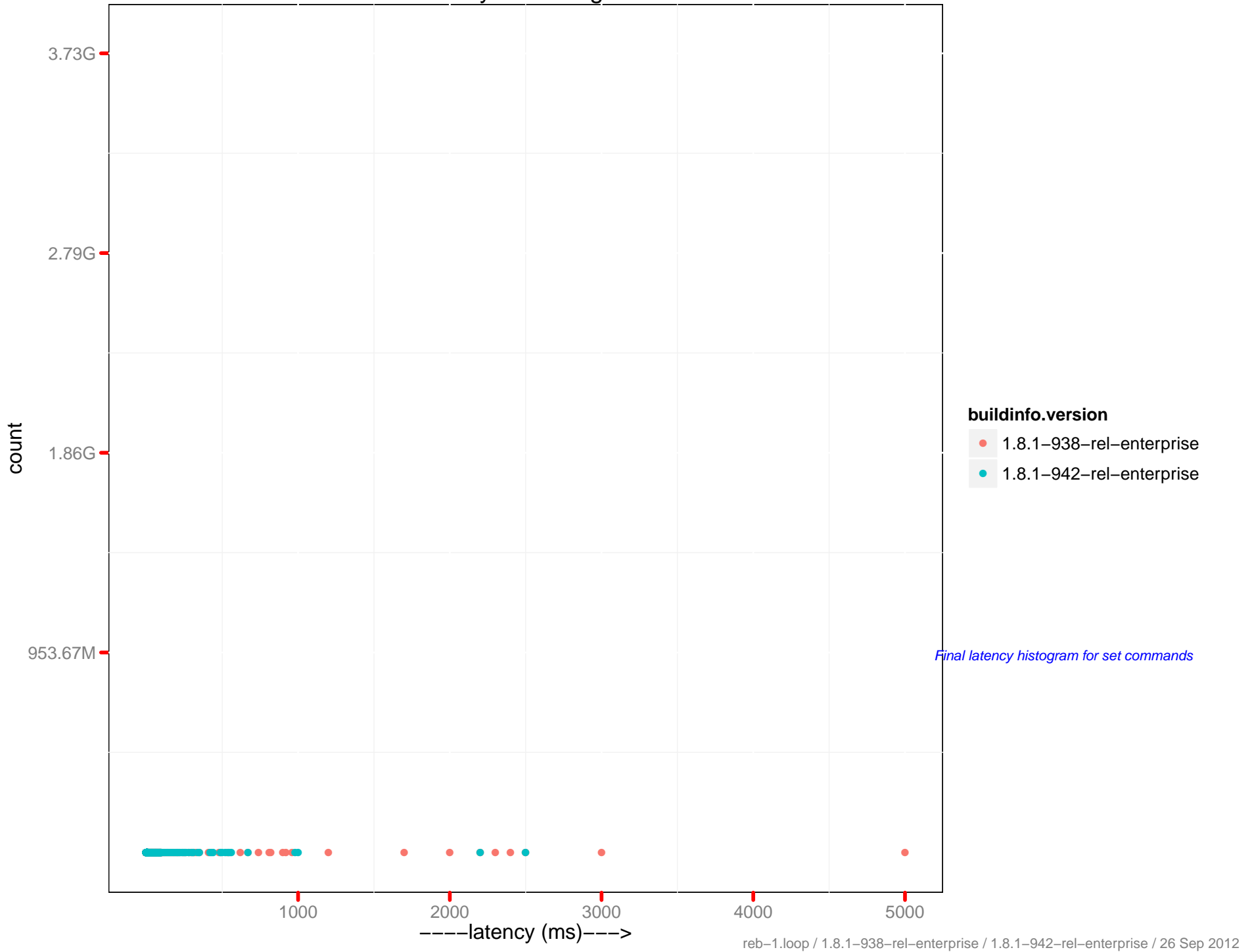
Latency get histogram



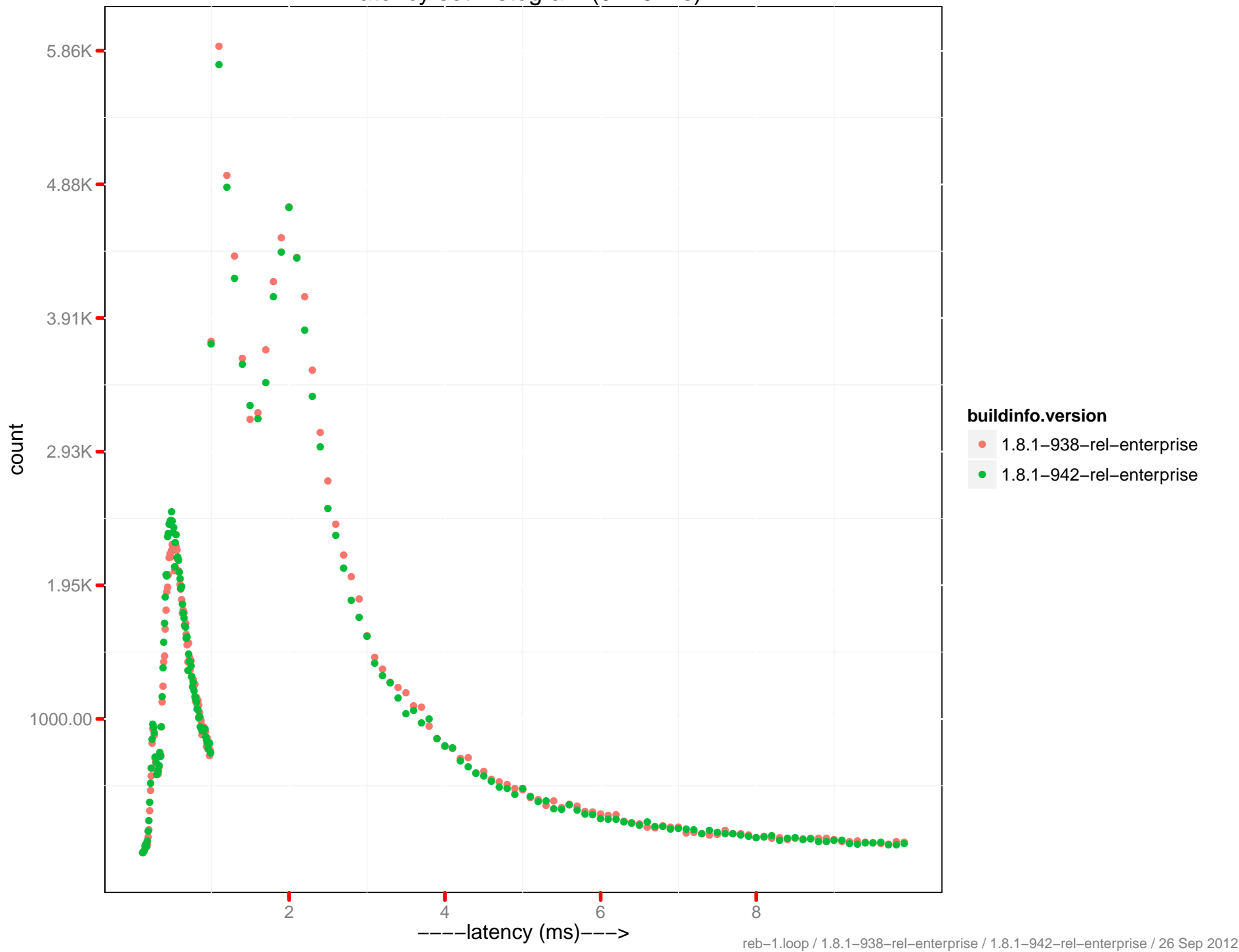
Latency get histogram (0-10 ms)



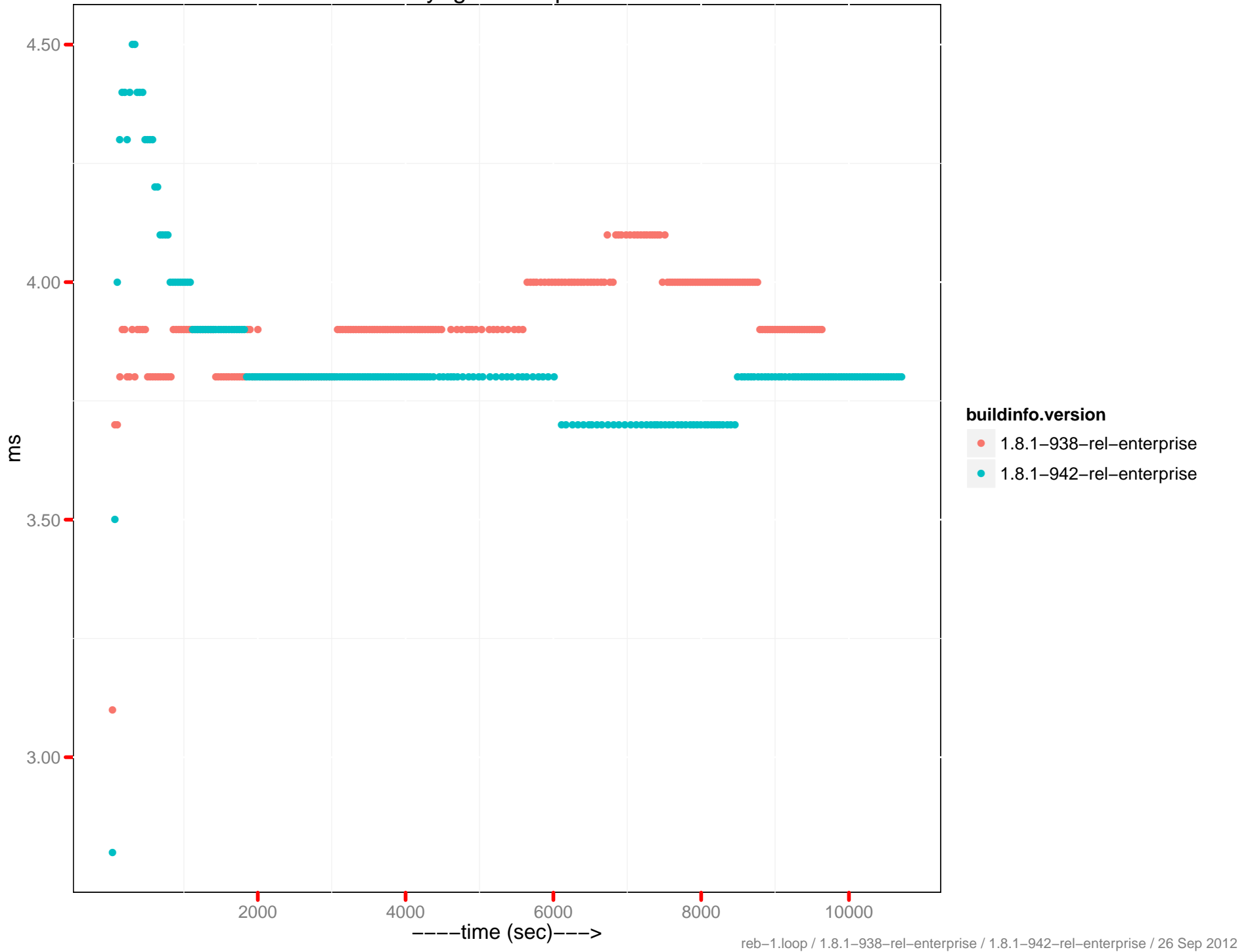
Latency set histogram



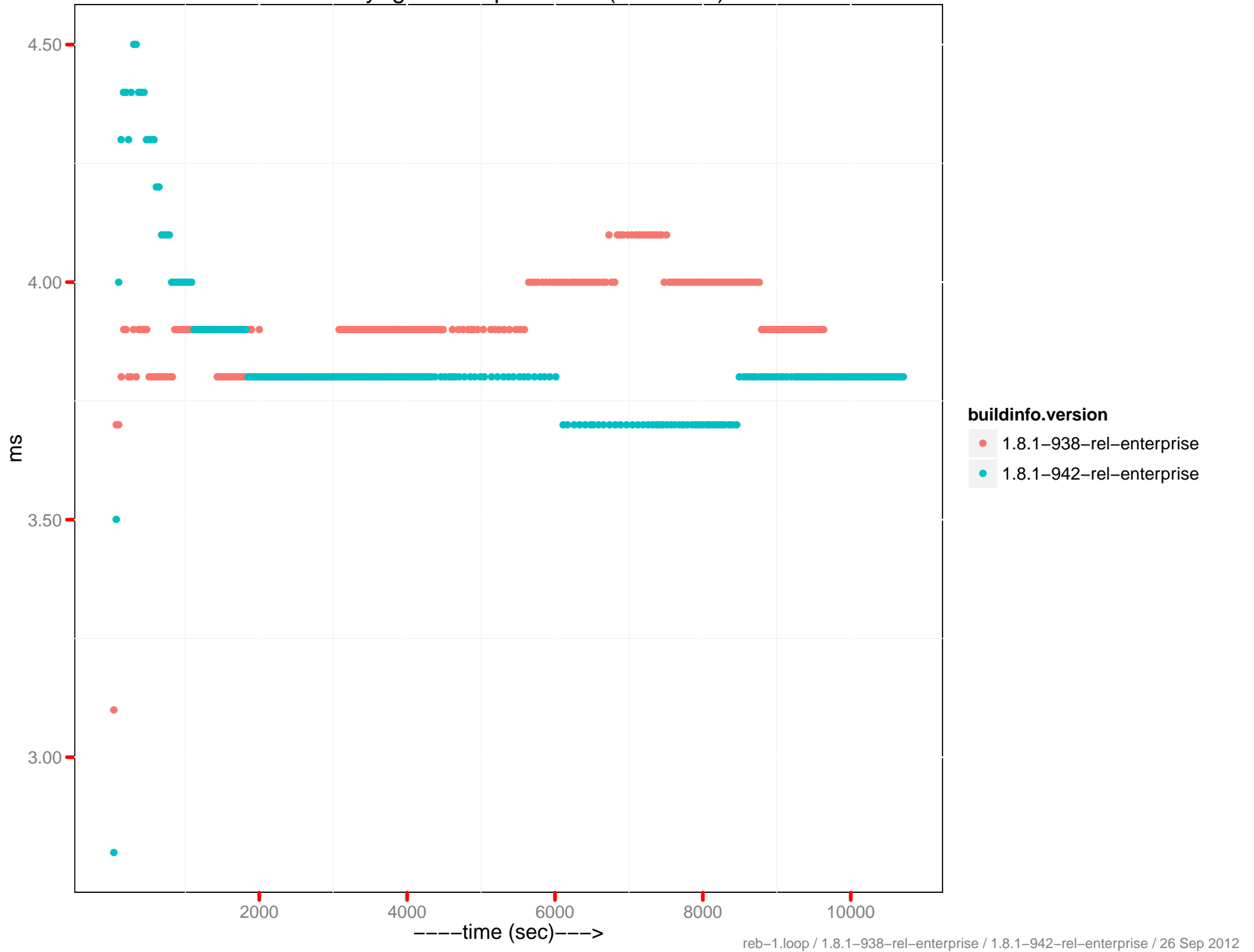
Latency set histogram (0–10 ms)



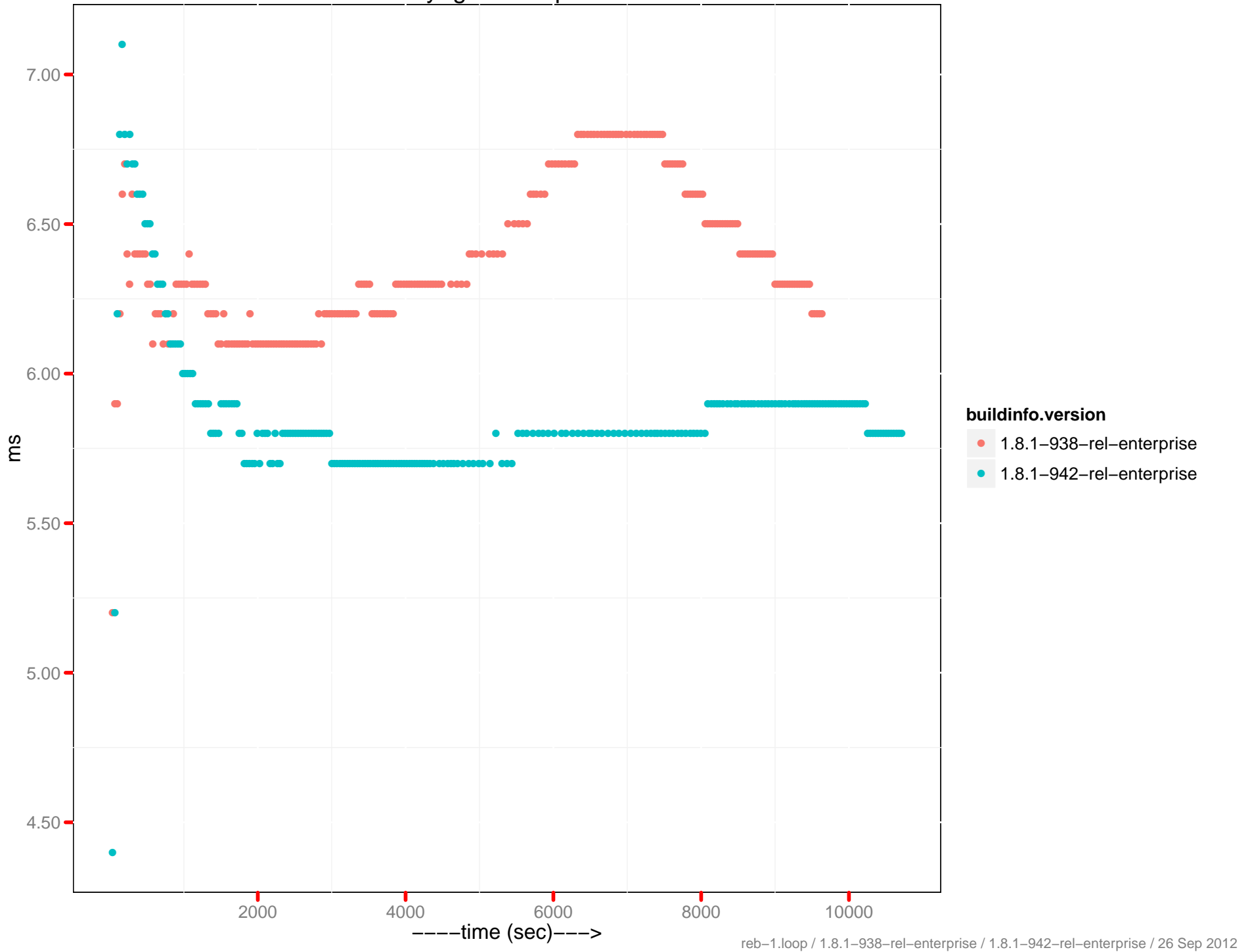
Latency-get 90th percentile



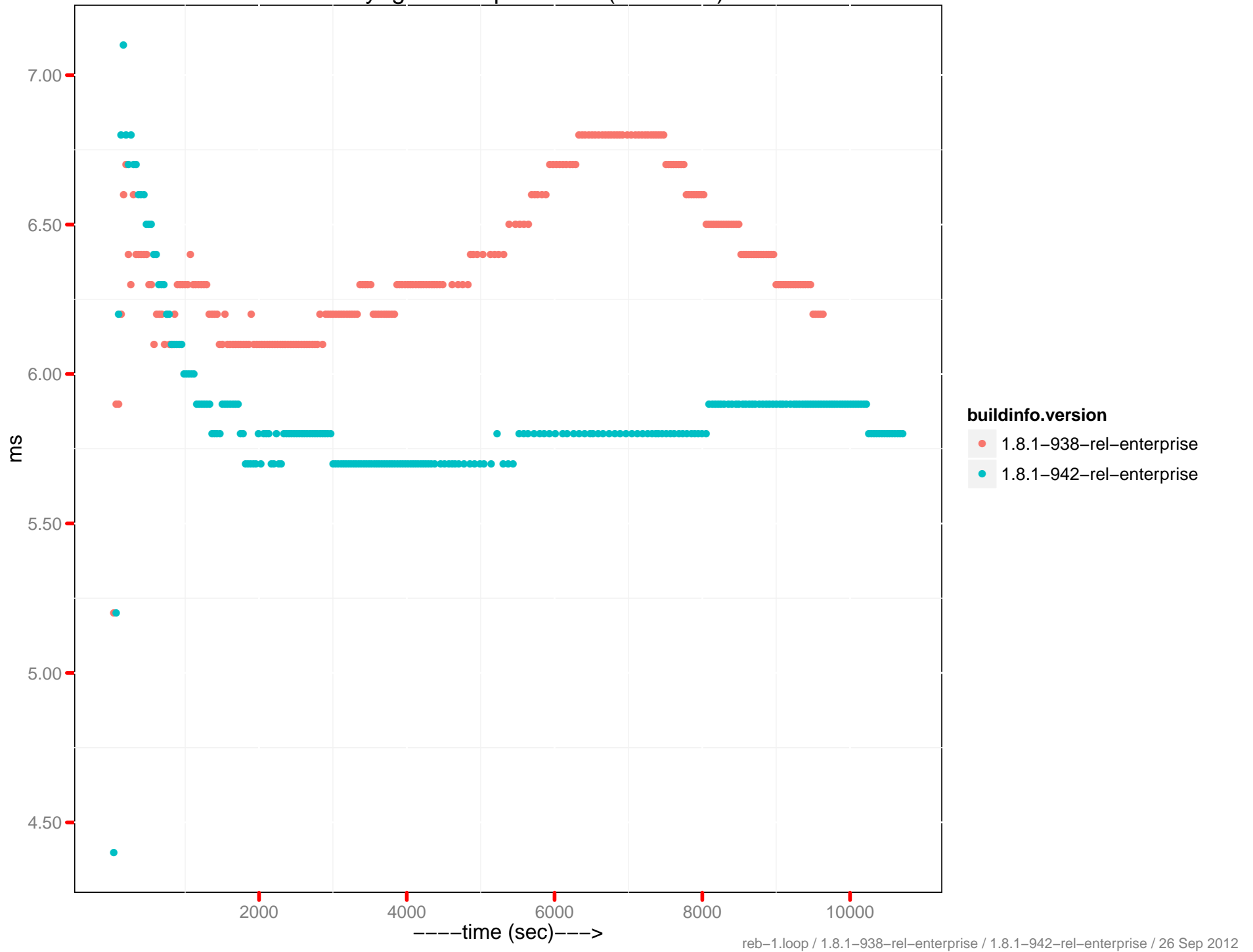
Latency-get 90th percentile (0 - 10ms)



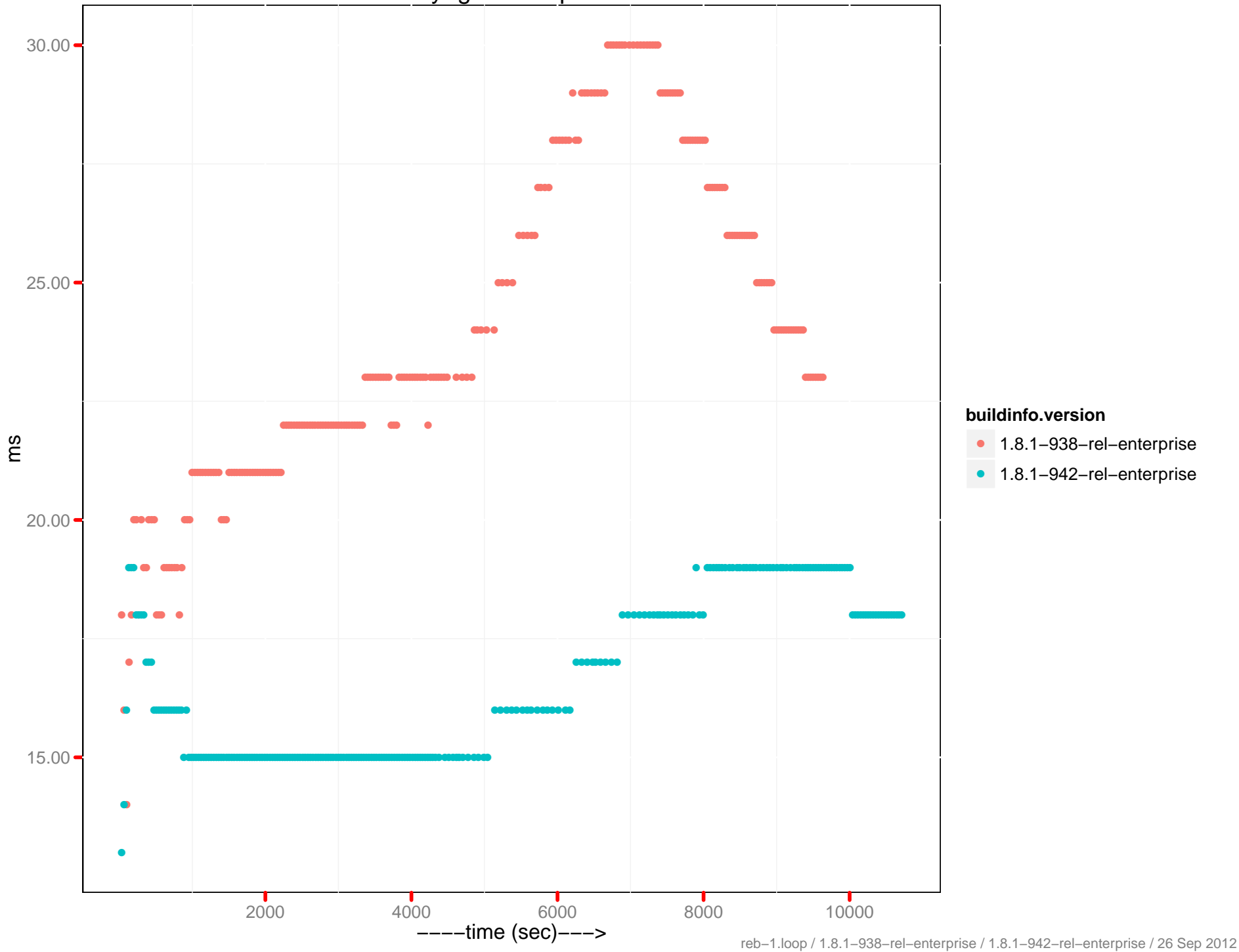
Latency-get 95th percentile



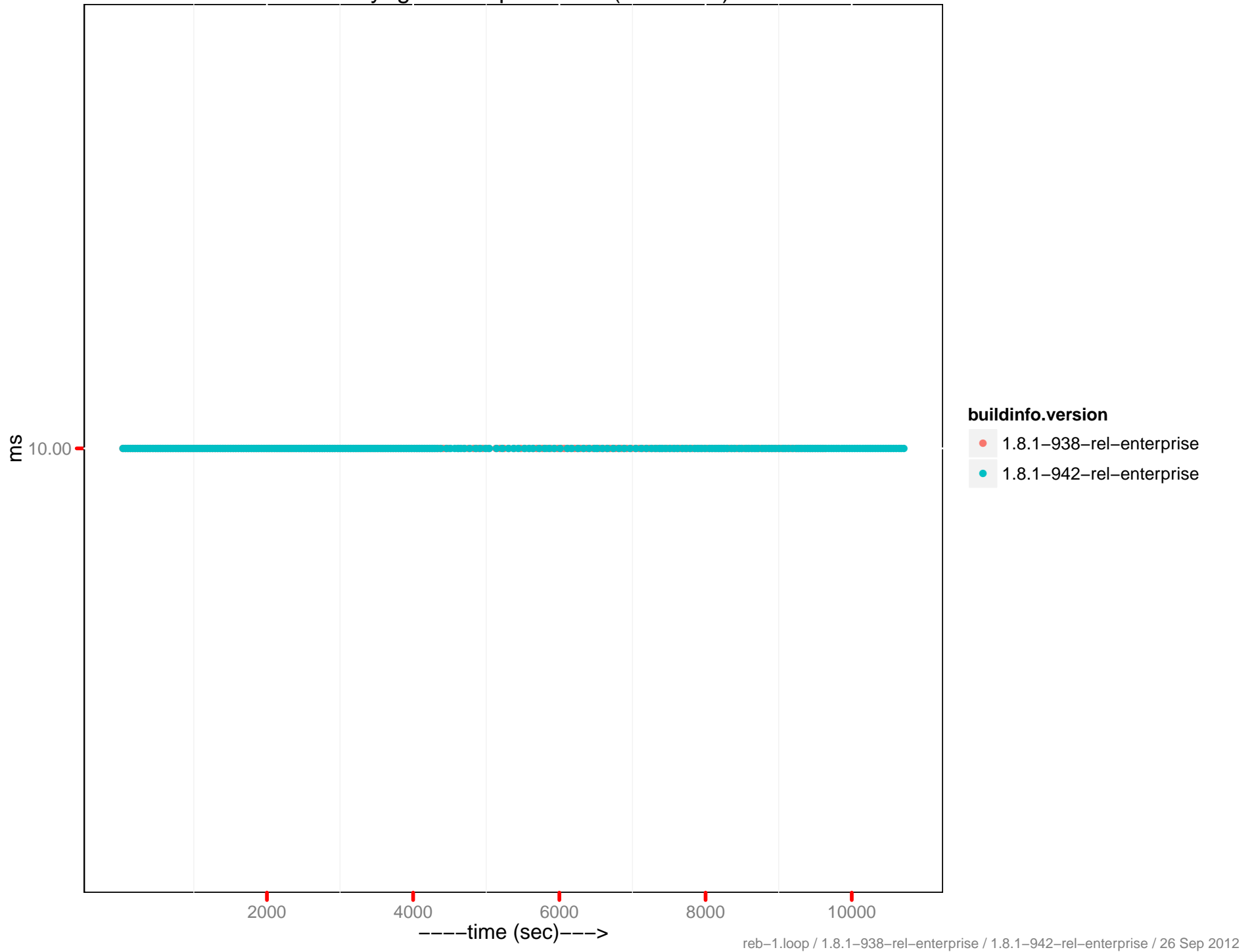
Latency-get 95th percentile (0 - 10ms)



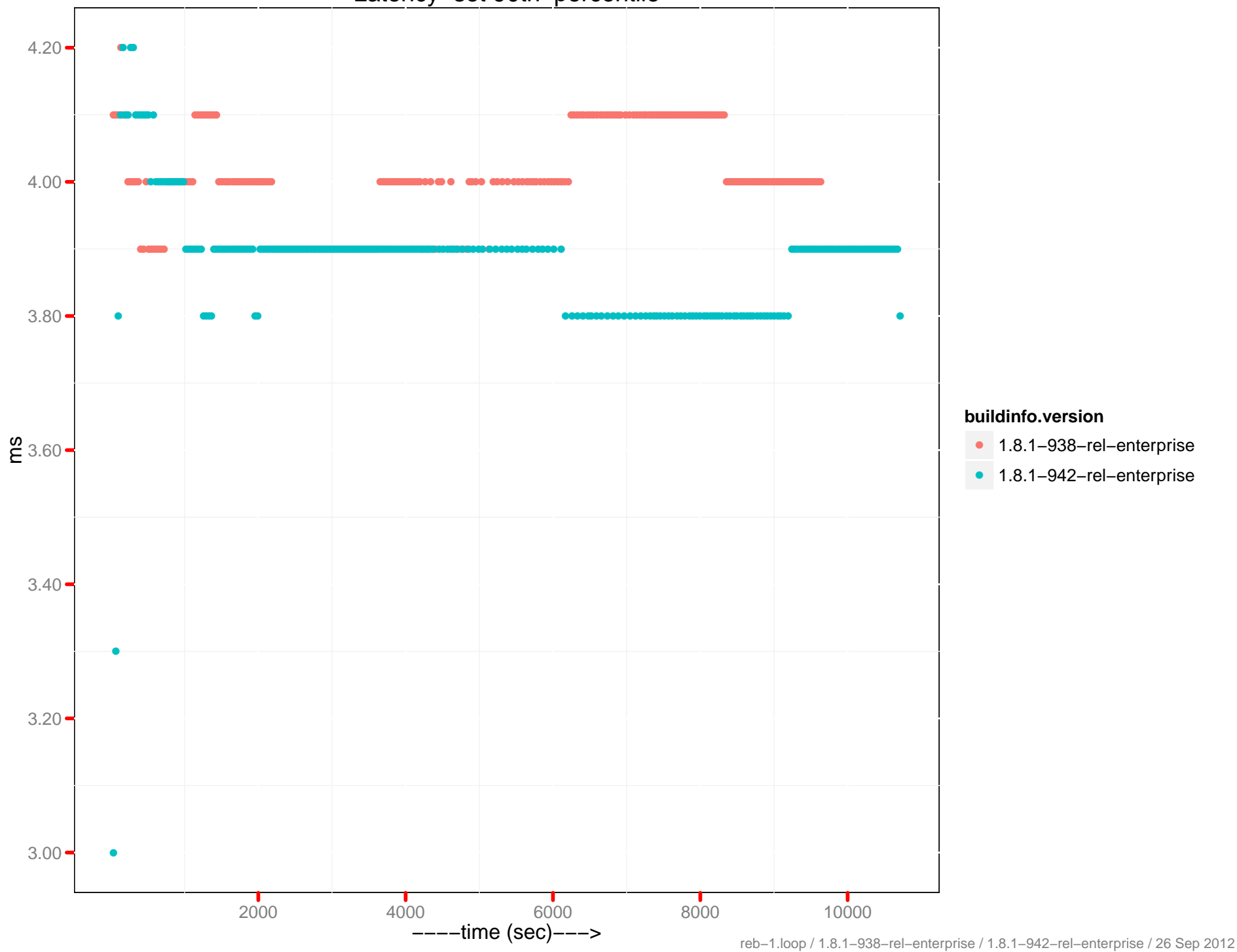
Latency-get 99th percentile



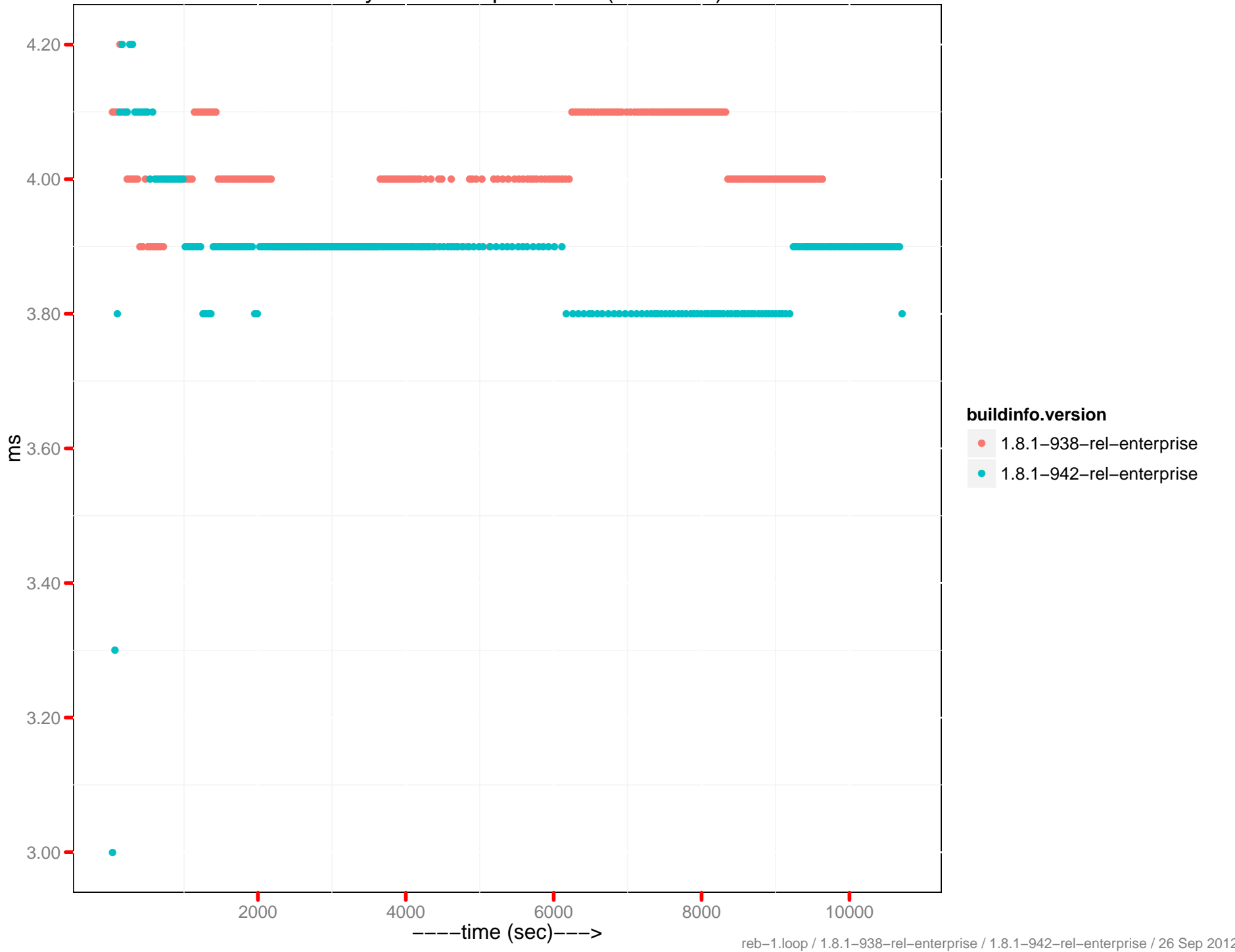
Latency-get 99th percentile (0 - 10ms)



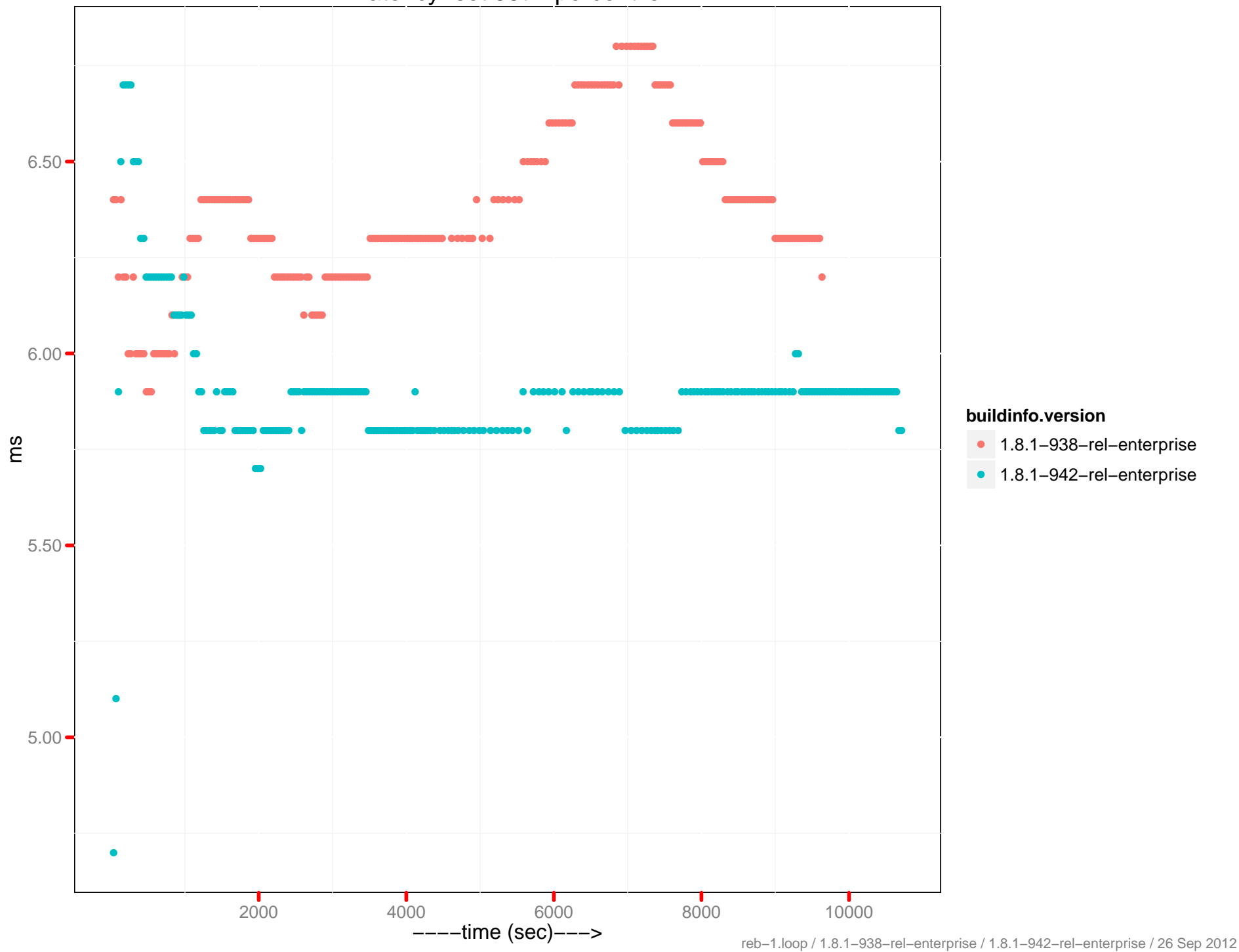
Latency-set 90th percentile



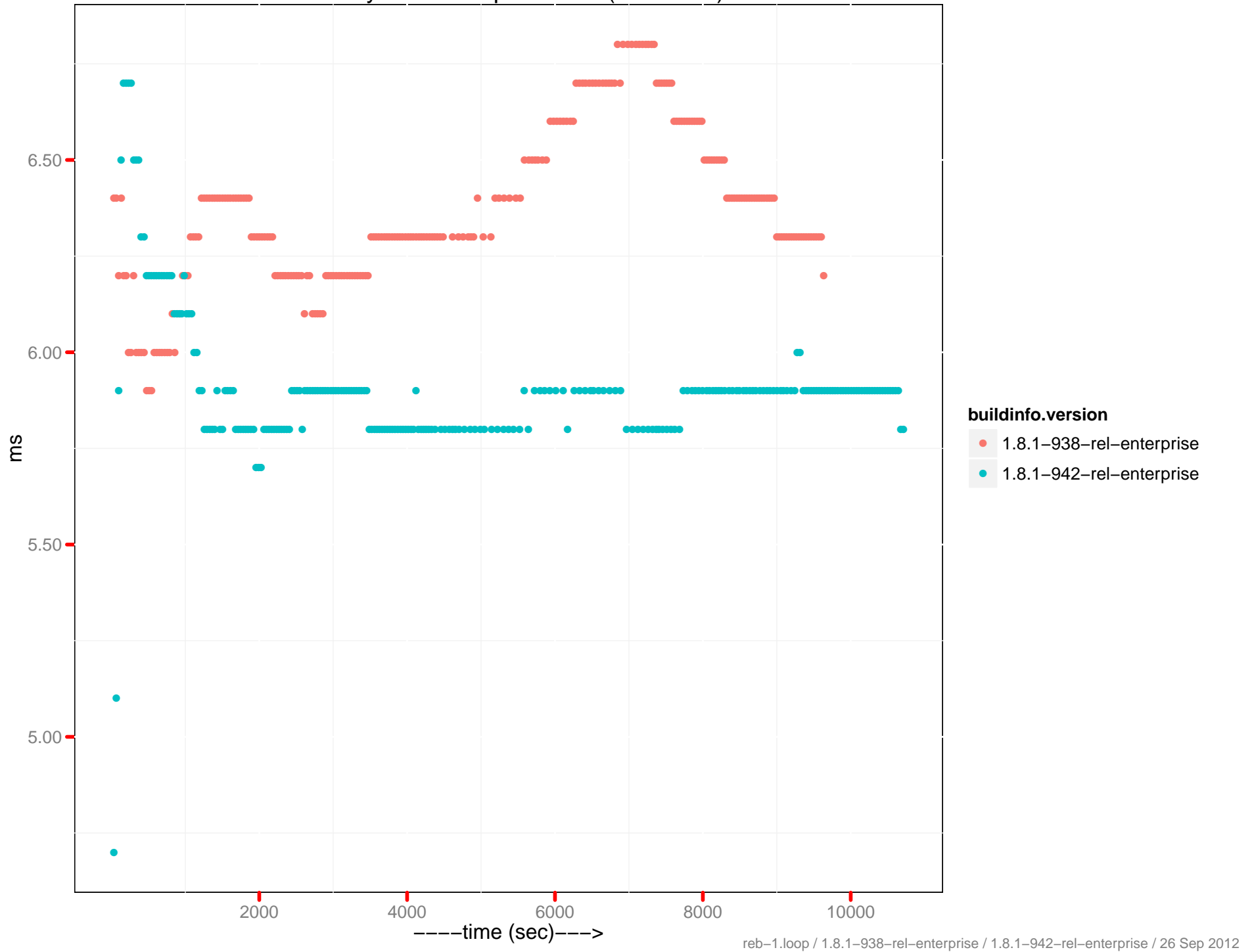
Latency-set 90th percentile (0 - 10ms)



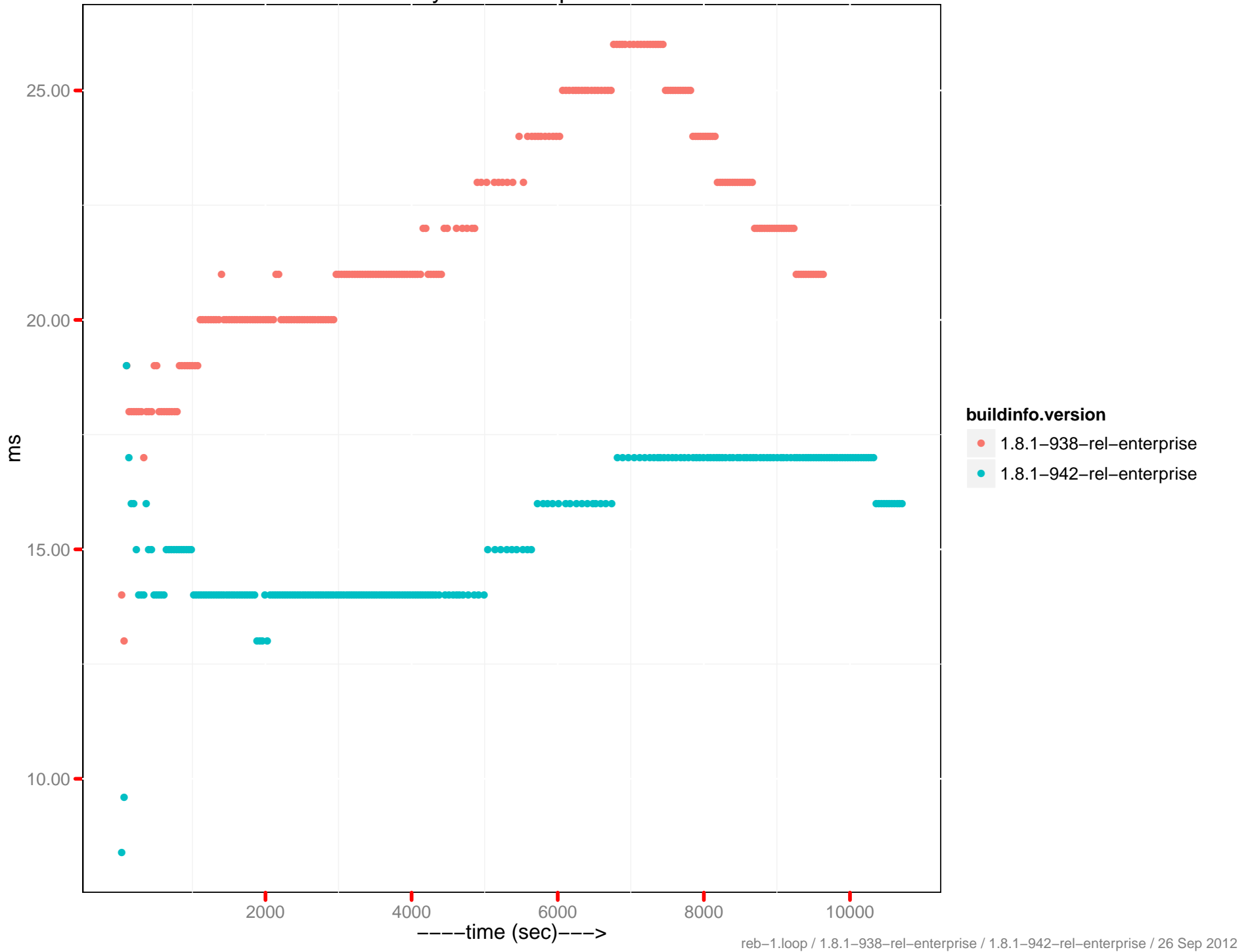
Latency-set 95th percentile



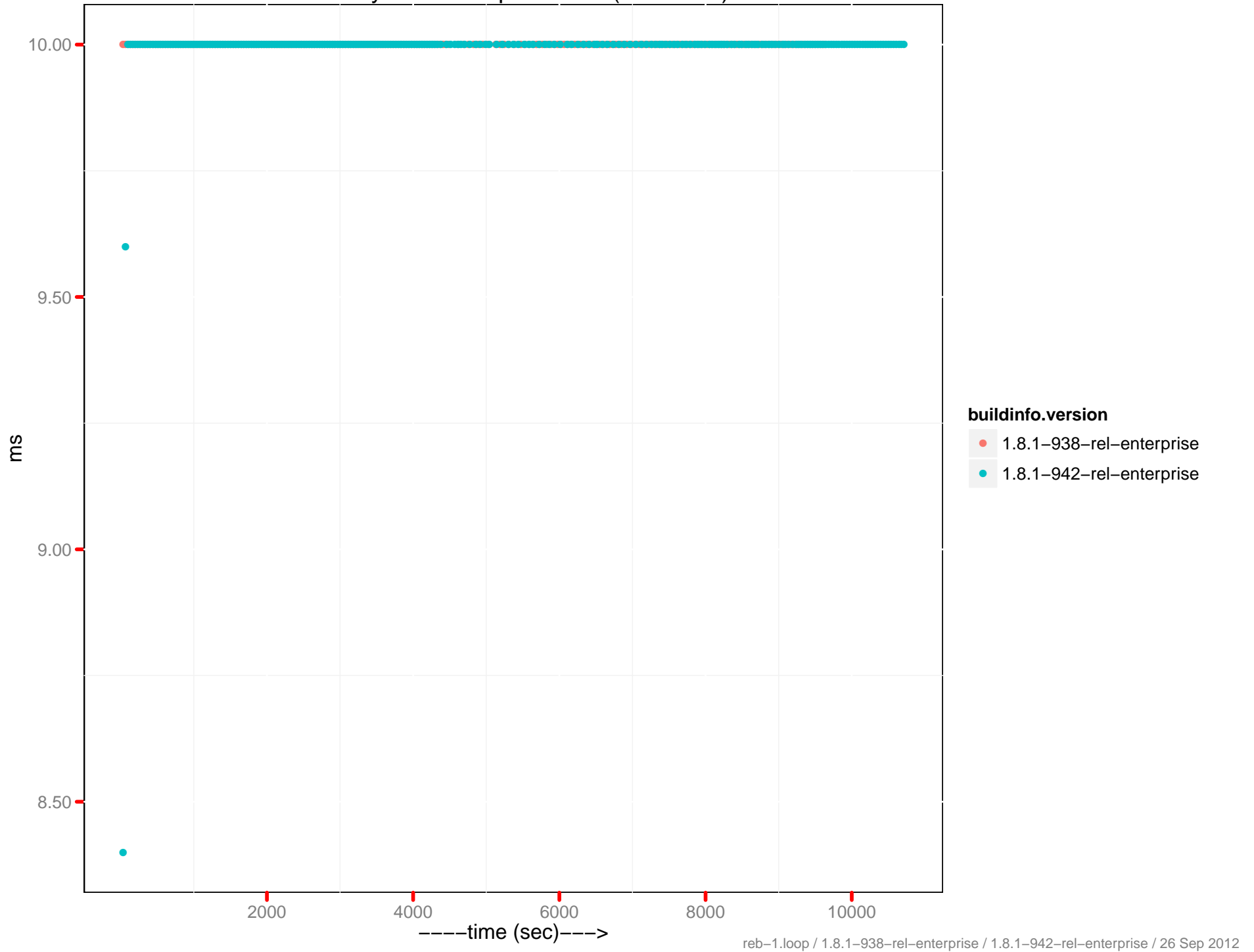
Latency-set 95th percentile (0 - 10ms)



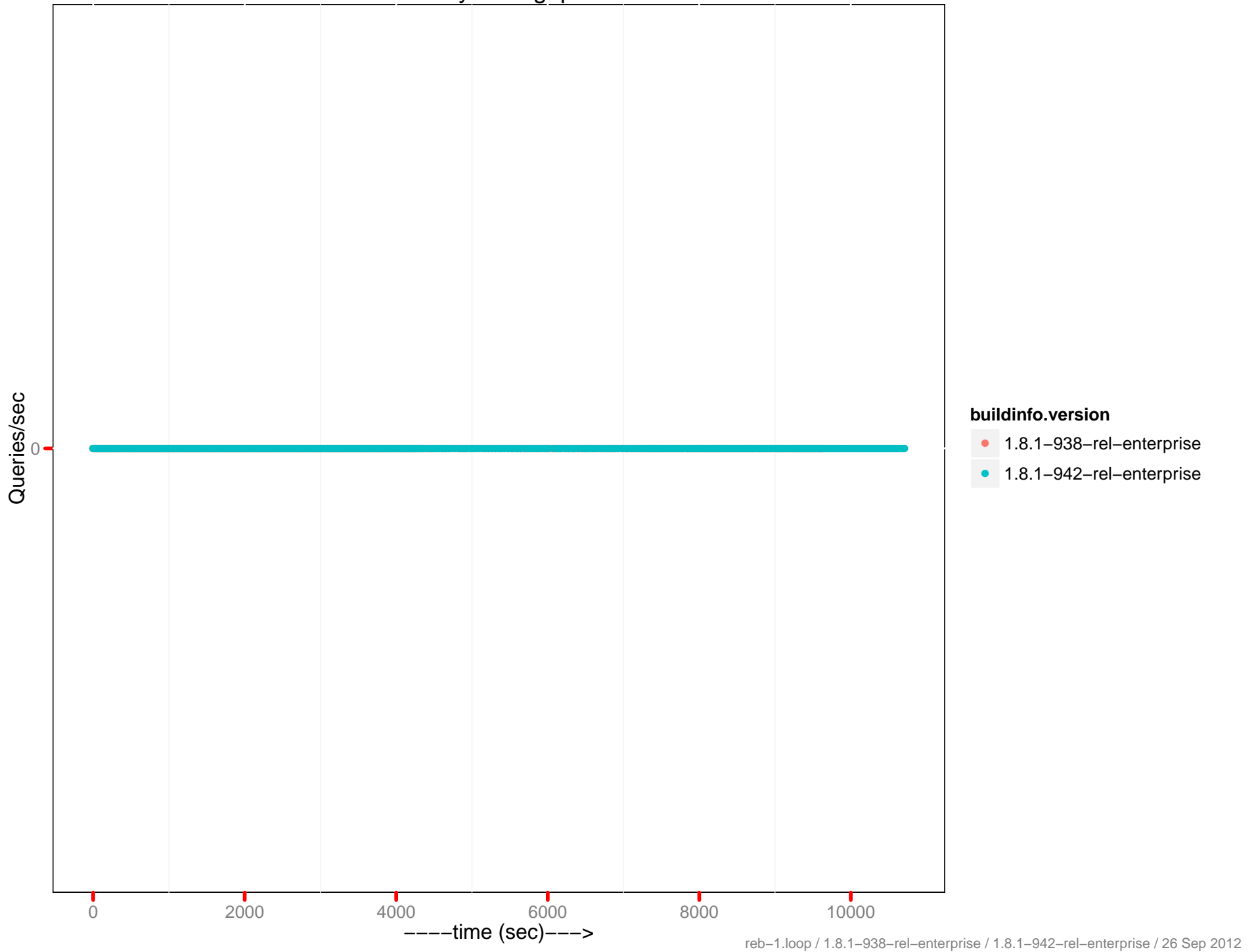
Latency-set 99th percentile



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



Query throughput



```
reb-1.conf
# rebalance mixed 7M load, 1M hot reload, 3M access creates
# speed limit = 3k
#
performance.epperf.EPerfClient.test_eperf_rebalance

params:

# general
batch=50
kind=nonjson
mem_quota=20000
db_compaction=30

# load phase
hot_init_items=1000000
items=7000000

# access phase
# Read:Insert:Update:Delete Ratio = 50:4:40:6.
ratio_sets=0.5
ratio_misses=0.05
ratio_creates=0.08
ratio_deletes=0.13
ratio_hot=0.05
ratio_hot_gets=0.99
ratio_hot_sets=0.99
ratio_expirations=0.03
max_creates=3000000

# rebalance
rebalance_after=1500000
num_nodes_after=3
reb_max_retries=5

# control (defaults: pytests/performance/perf_defaults.py)
load_wait_until_drained=1
loop_wait_until_drained=0
mcsoda_heartbeat=3
mcsoda_max_ops_sec=300
tear_down=1
tear_down_proxy=1
tear_down_bucket=0
tear_down_cluster=1
tear_down_on_setup=0
```

tahoe-dedicated.ini

[global]

username:root

password:couchbase

port:8091

data_path:/data

[servers]

1:192.168.0.20

2:192.168.0.21

3:192.168.0.22

4:192.168.0.23

[clients]

1:192.168.0.24

2:192.168.0.25

3:192.168.0.26

4:192.168.0.27

5:192.168.0.28

6:192.168.0.29

[membase]

rest_username:Administrator

rest_password:password

[dashboard]

1:dashboard.hq.couchbase.com:80