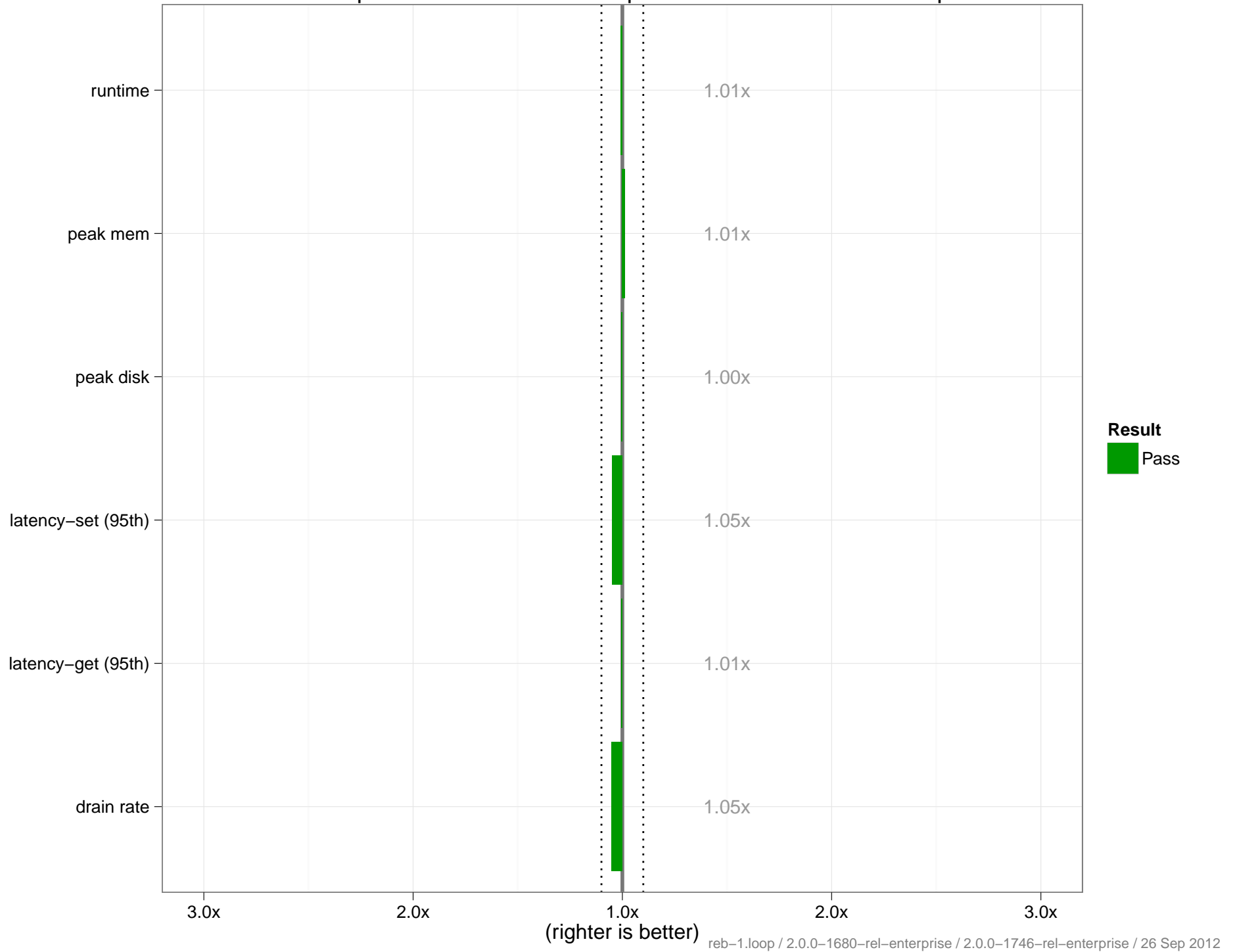
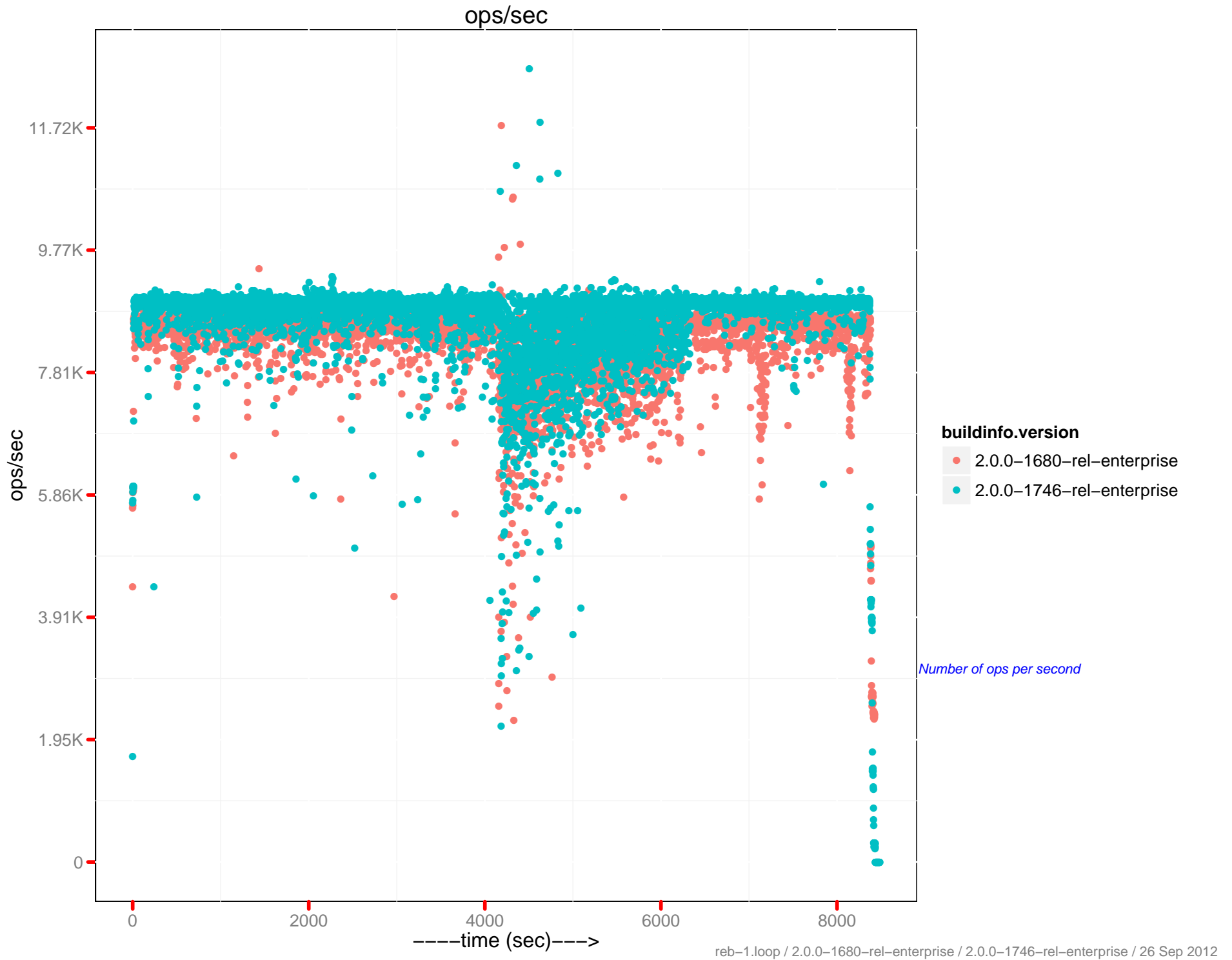


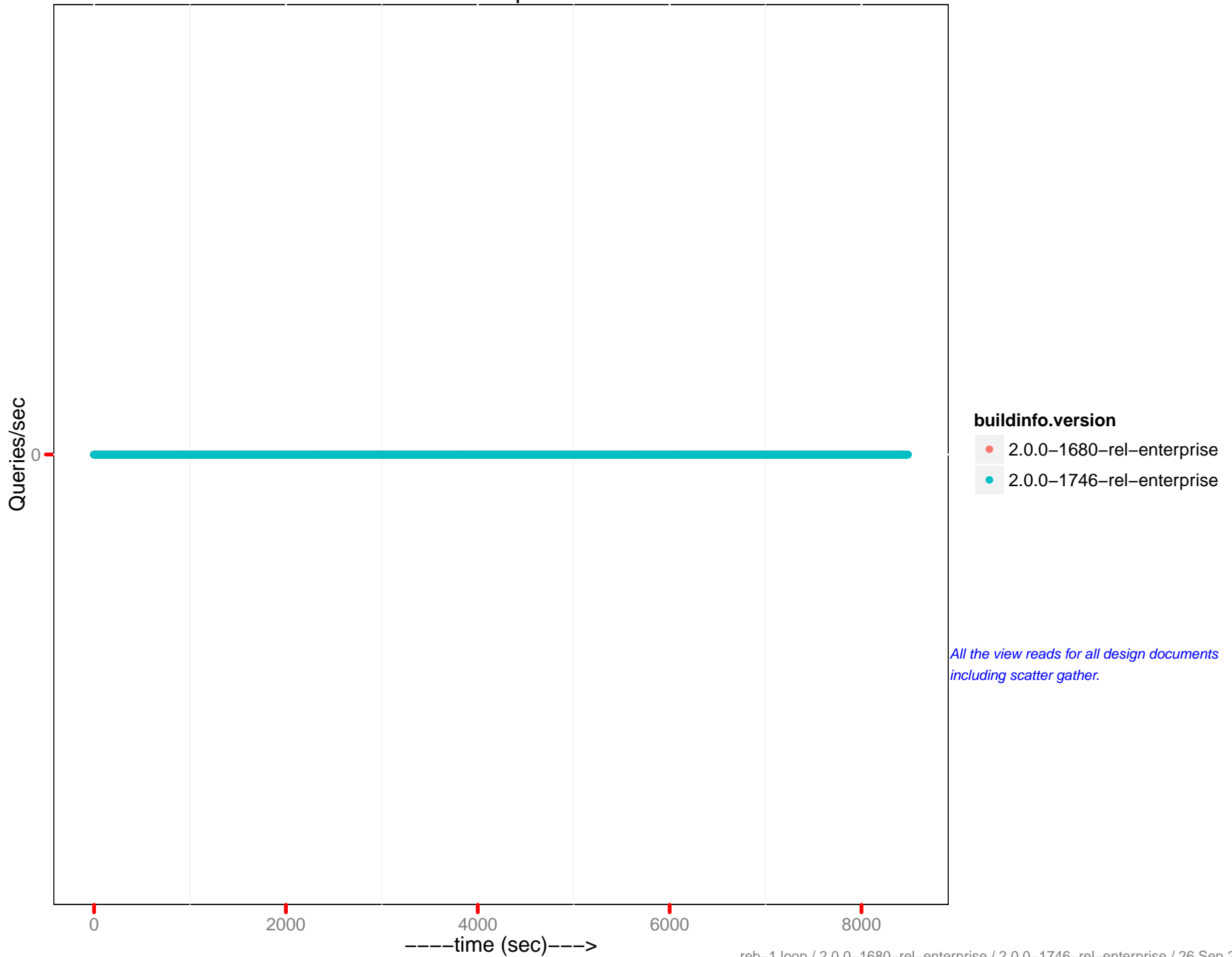
reb-1.loop : 2.0.0-1680-rel-enterprise : 2.0.0-1746-rel-enterprise



	<b>2.0.0 – 1680</b>	<b>2.0.0 – 1746</b>
<i>Runtime (in hr)</i>	2.34	2.36
<i>Avg. Drain Rate</i>	3.79K	3.61K
<i>Peak Disk (GB)</i>	44.82	45
<i>Peak Memory (GB)</i>	16.39	16.19
<i>Avg. OPS</i>	8.39K	8.68K
<i>Avg. mem memcached (GB)</i>	15.98	15.76
<i>Avg. mem beam.smp (MB)</i>	349.03	362.05
<i>Avg. CPU rate (%)</i>	61.82	60.34
<i>Latency-get (90th) (ms)</i>	4.12	4.02
<i>Latency-get (95th) (ms)</i>	6.42	6.46
<i>Latency-get (99th) (ms)</i>	19.14	20.42
<i>Latency-set (90th) (ms)</i>	4.23	4.21
<i>Latency-set (95th) (ms)</i>	6.55	6.87
<i>Latency-set (99th) (ms)</i>	18.92	21.1
<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>	NaN	NaN
<i>Rebalance Time (sec)</i>	1998.91	2169.37
<i>Testrunner Version</i>	46a600d	2543397

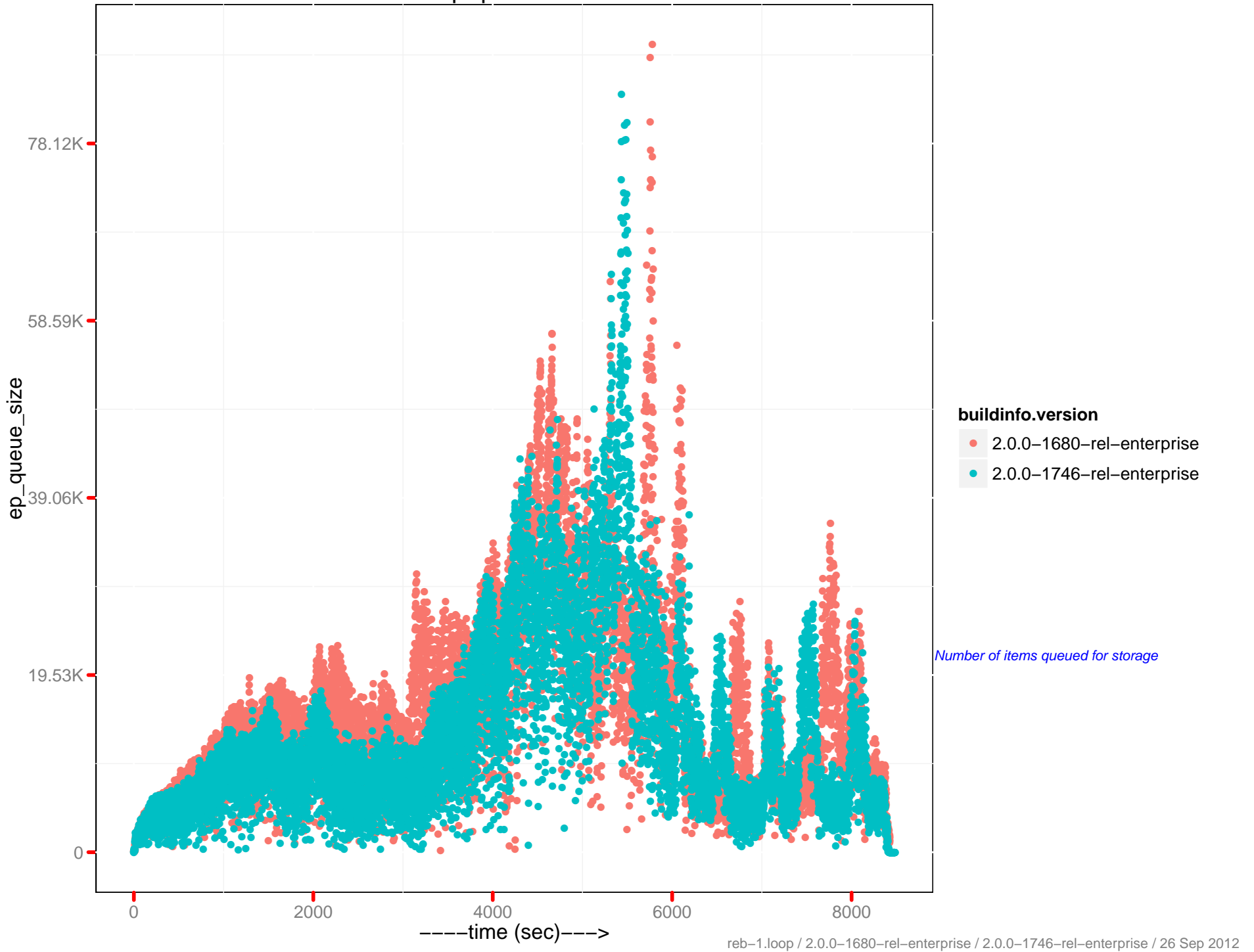


# View read per sec.

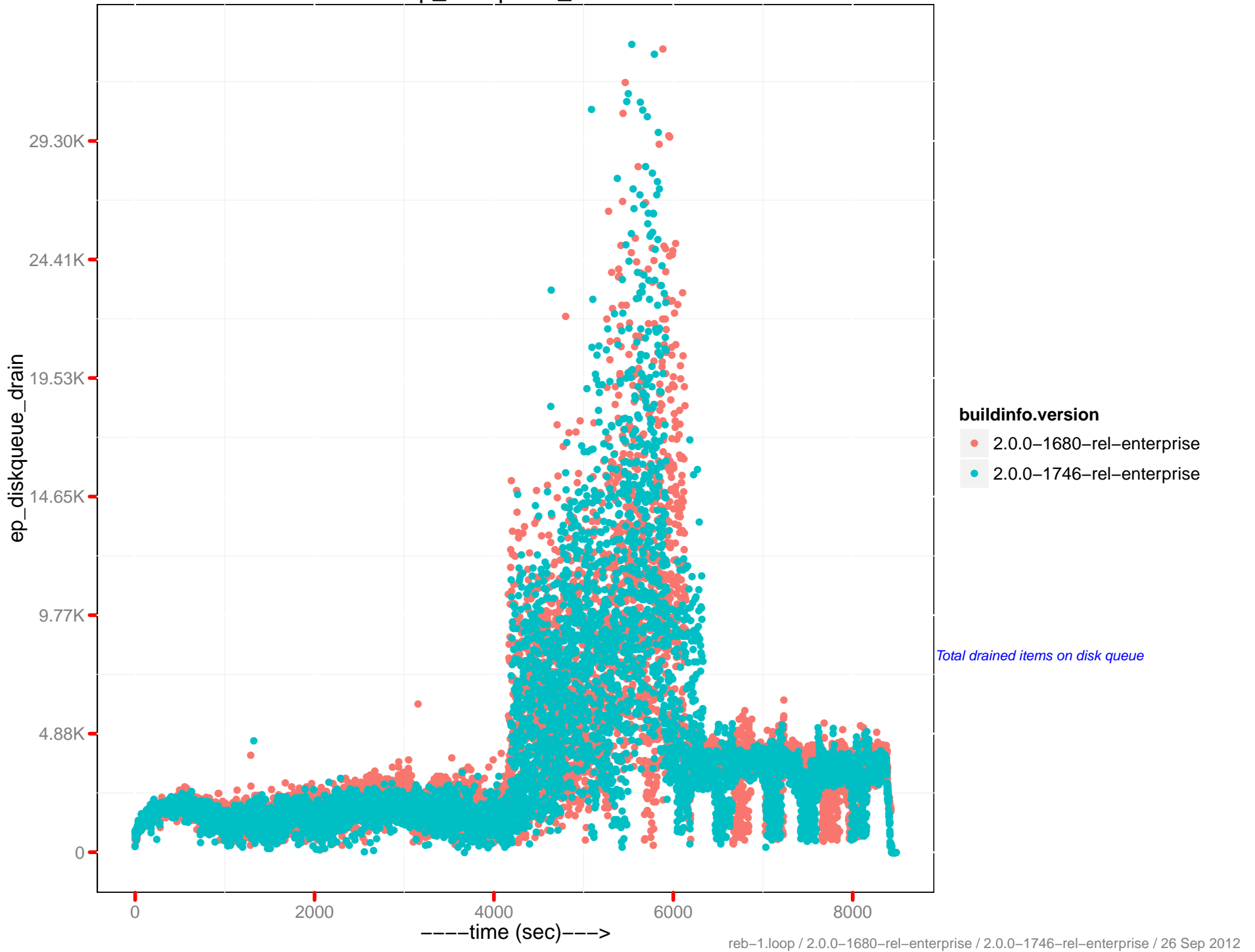


*All the view reads for all design documents including scatter gather.*

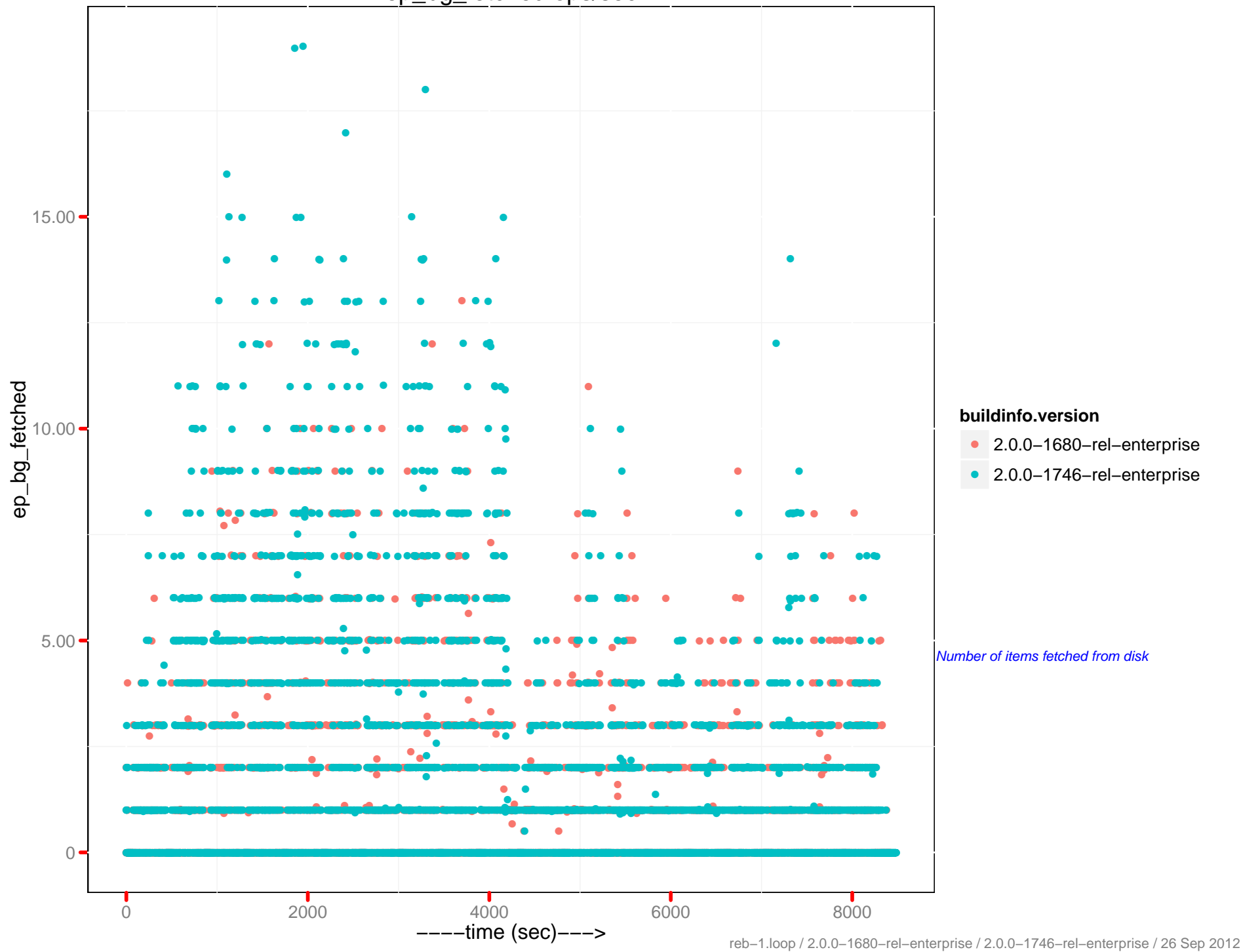
# ep queue size



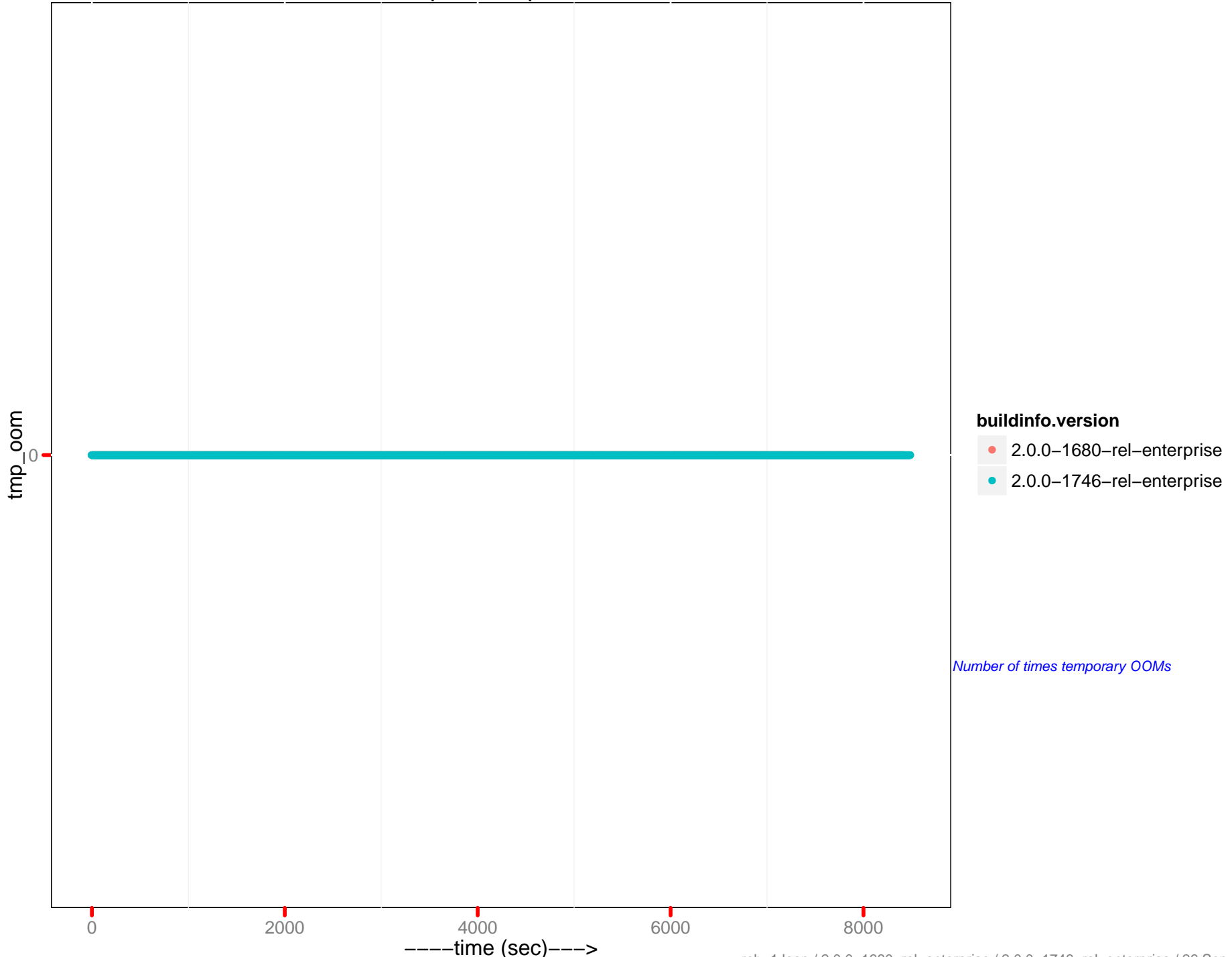
# ep\_diskqueue\_drain



# ep\_bg\_fetched ops/sec

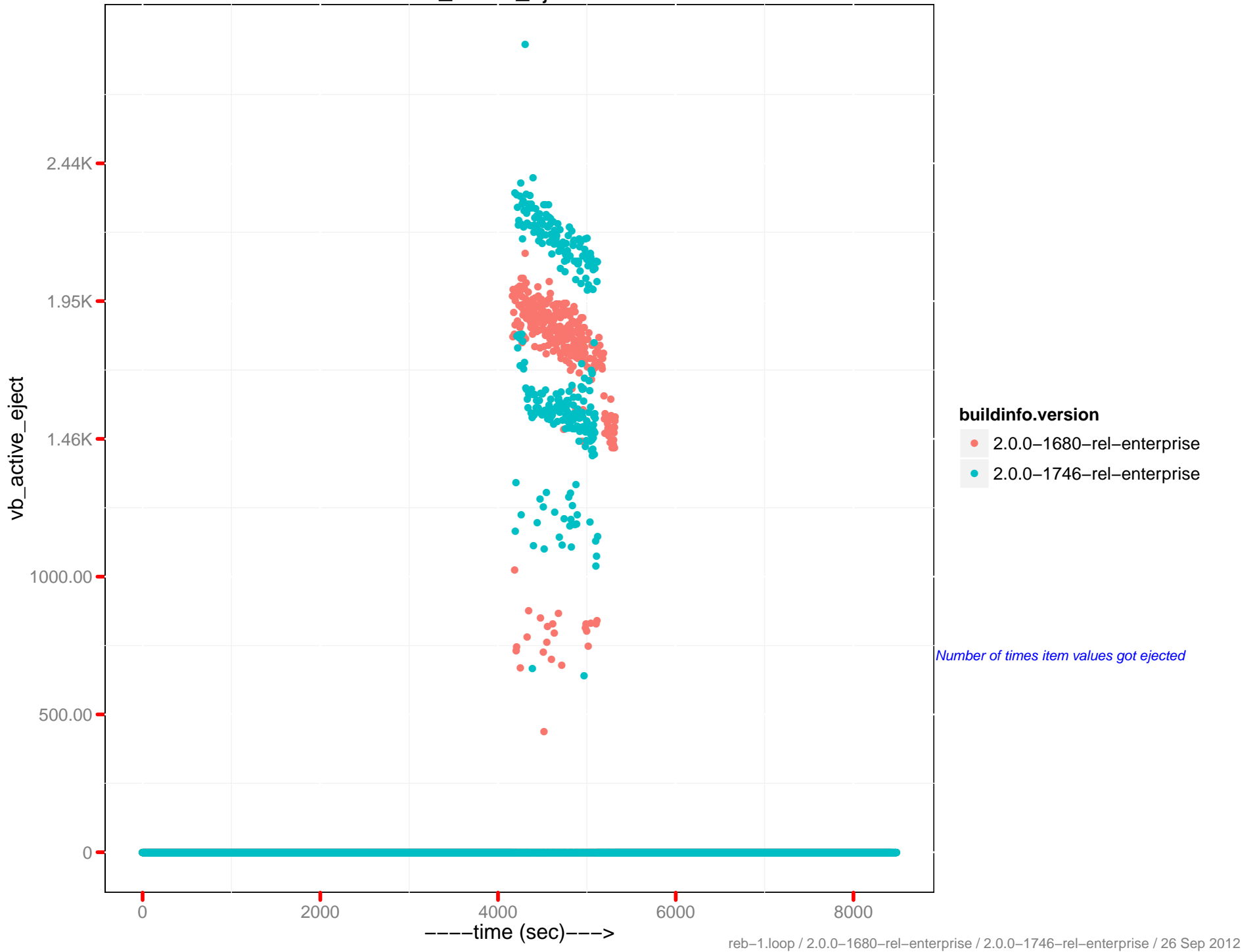


# tmp\_oom ops/sec

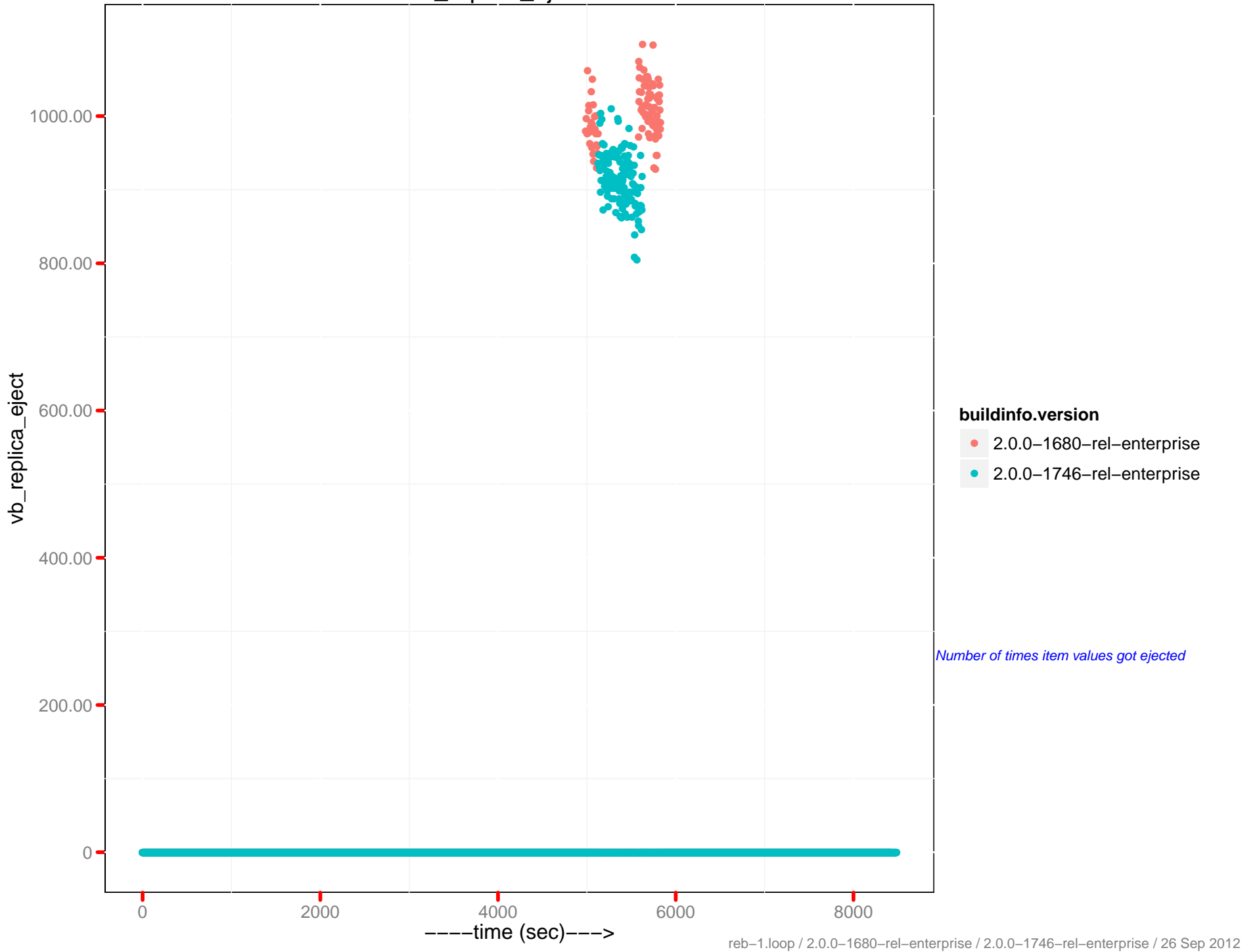




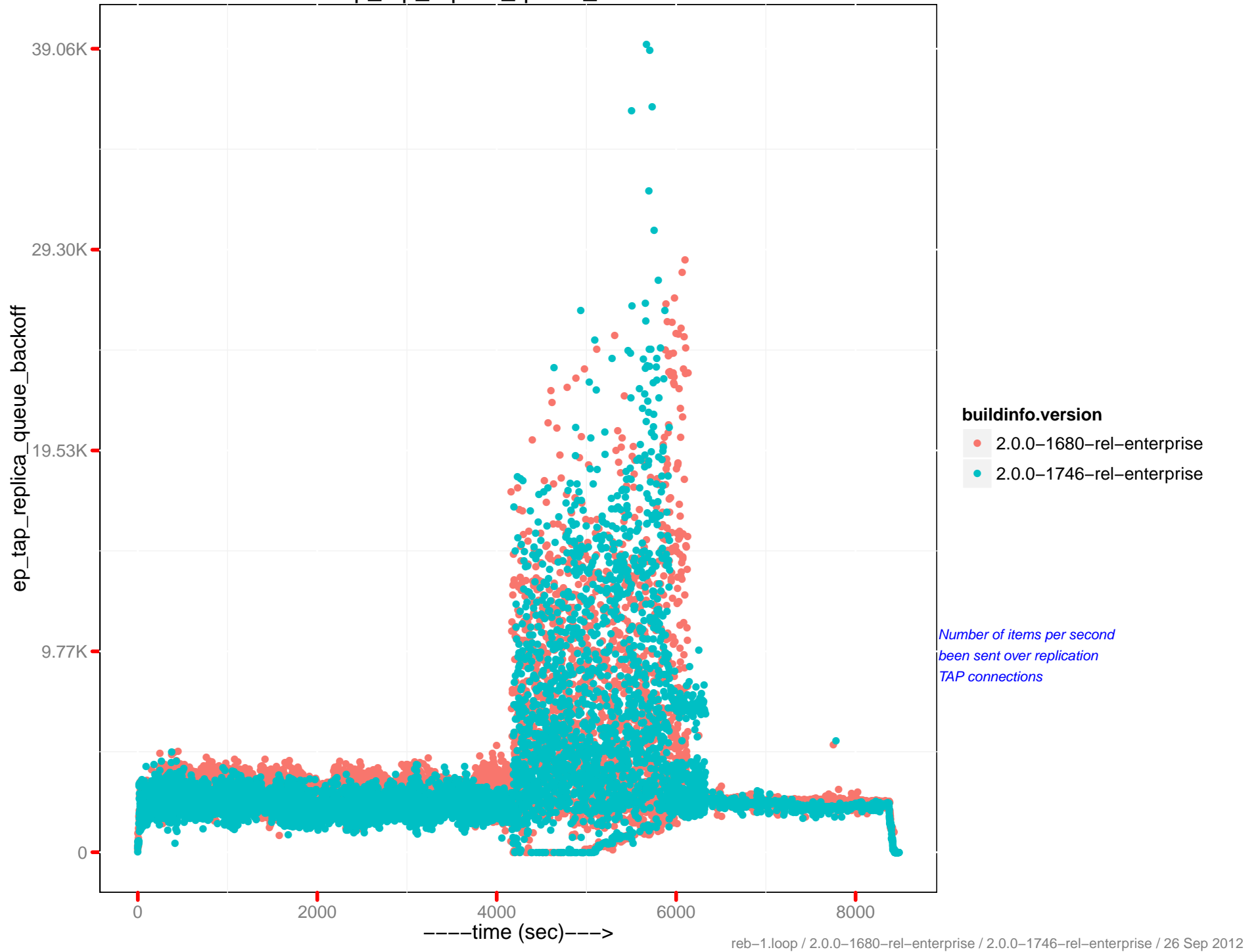
# vb\_active\_eject/sec



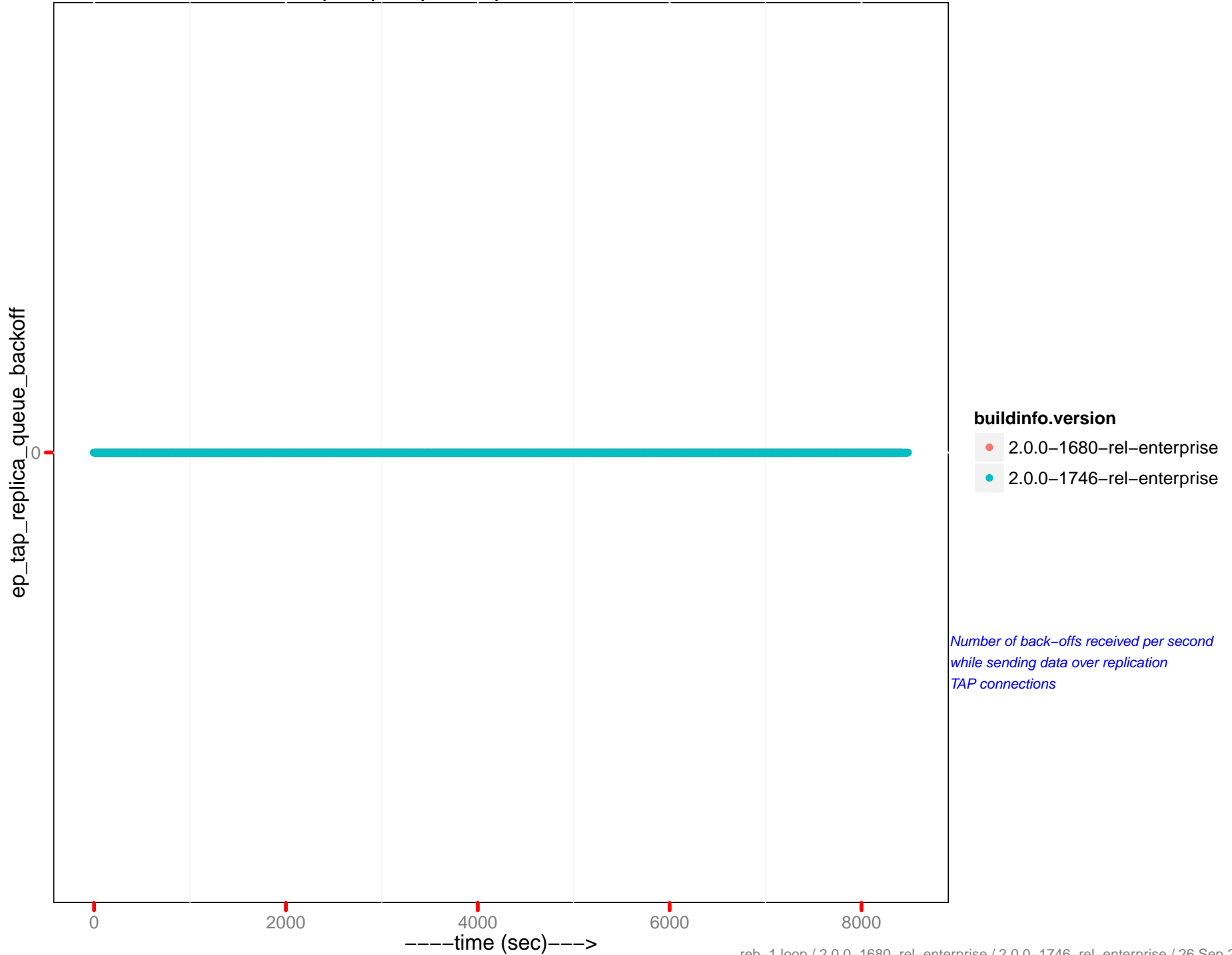
# vb\_replica\_eject/sec



# ep\_tap\_replica\_queue\_drain/sec

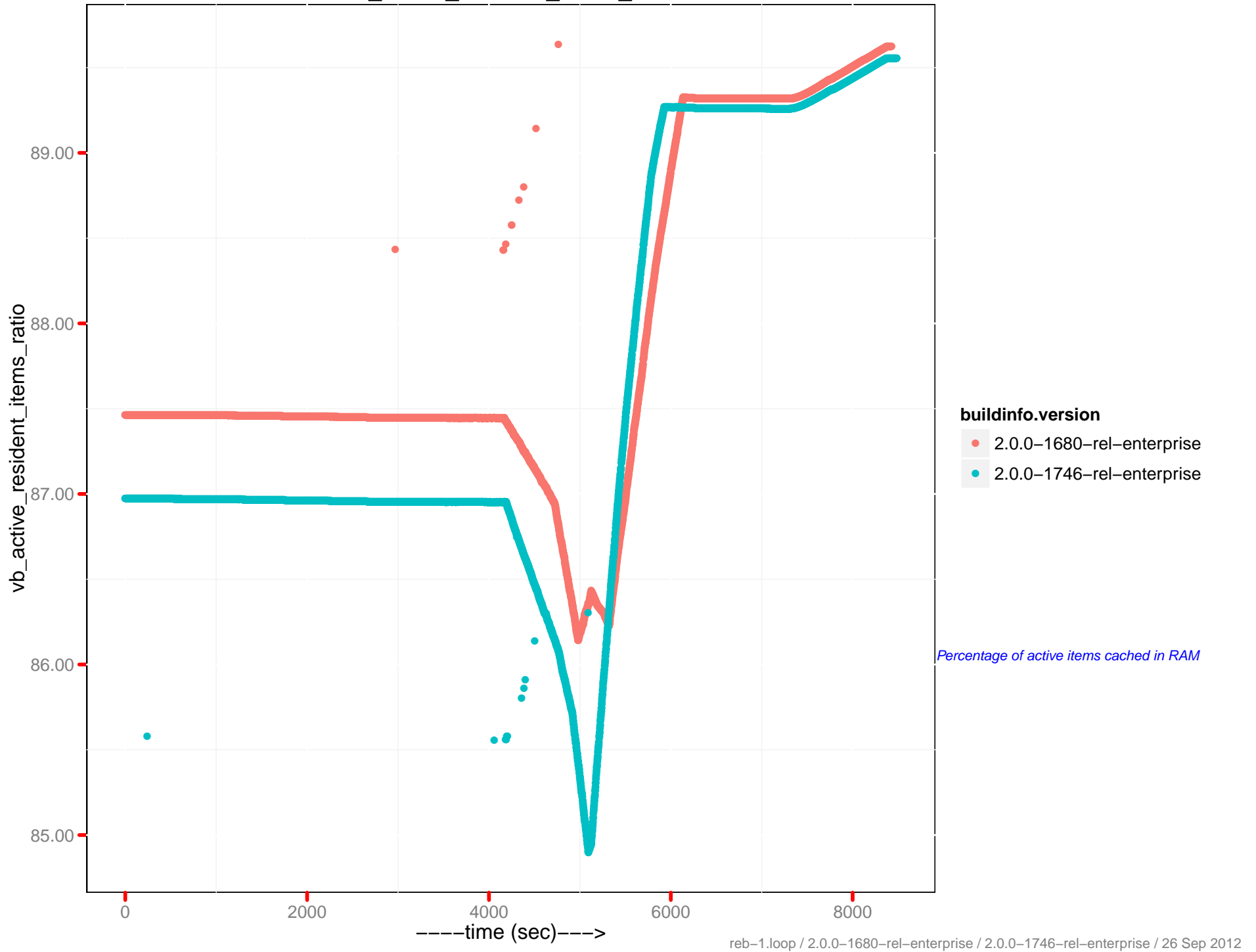


# ep\_tap\_replica\_queue\_backoff/sec

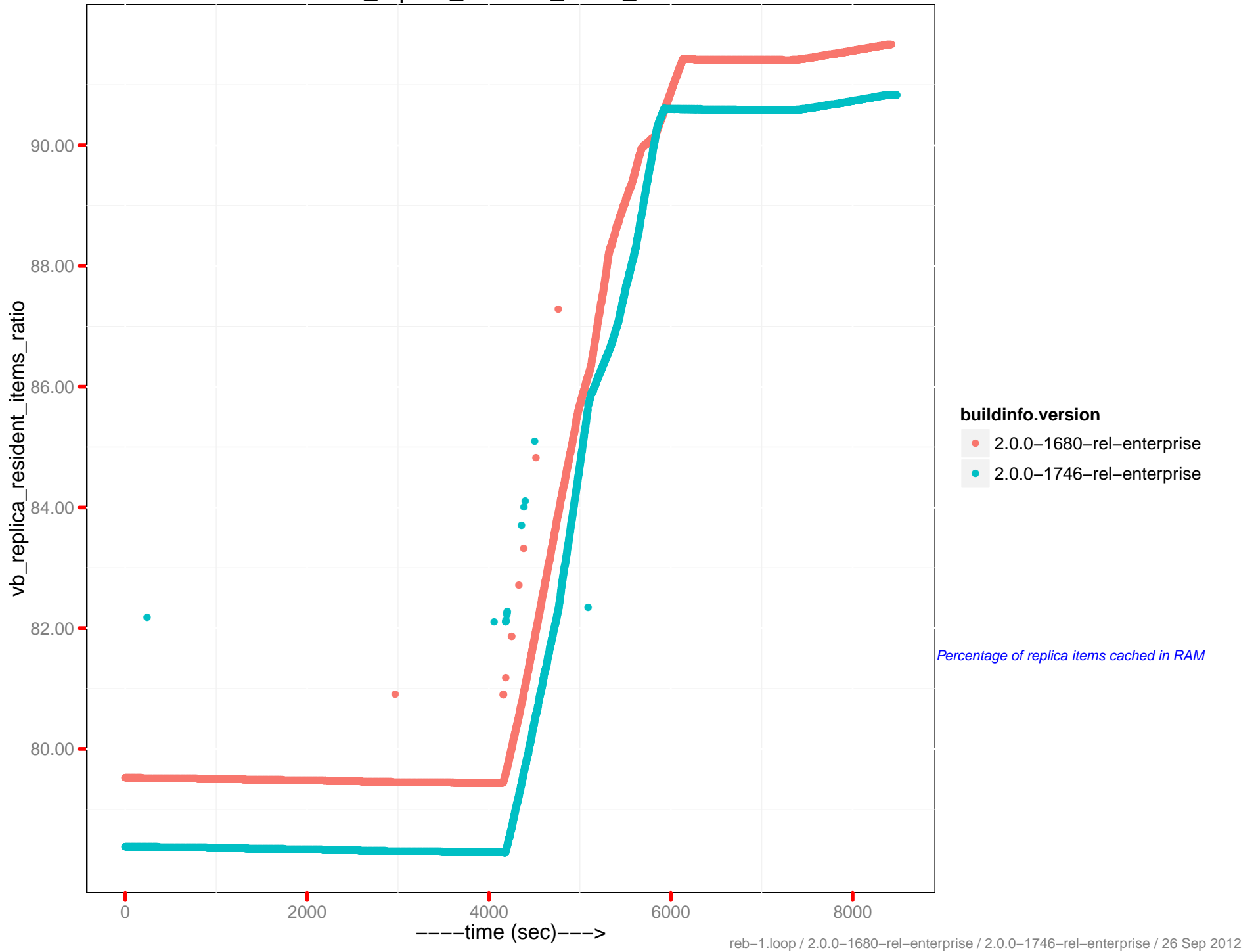


*Number of back-offs received per second while sending data over replication TAP connections*

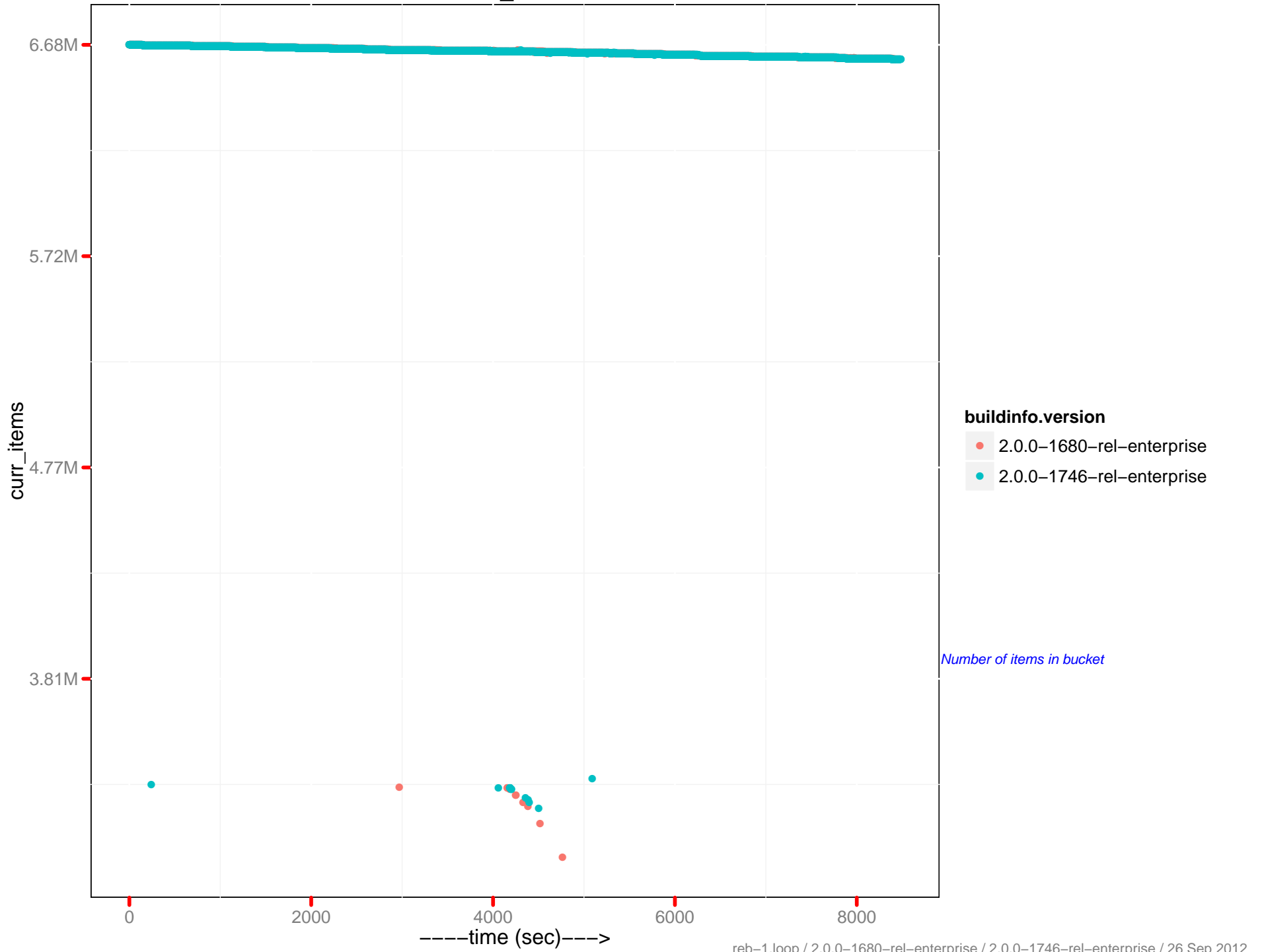
# vb\_active\_resident\_items\_ratio



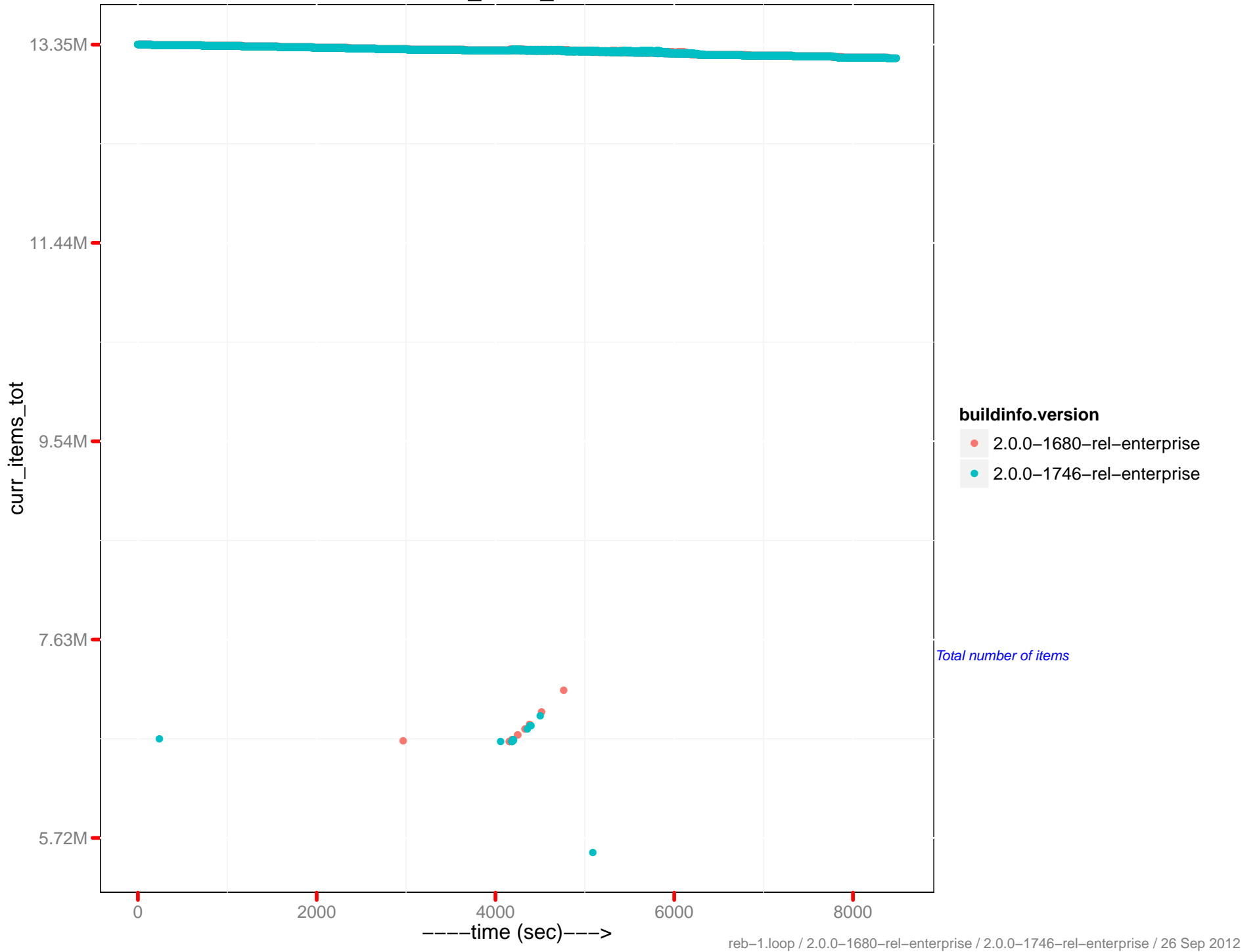
vb\_replica\_resident\_items\_ratio



# curr\_items

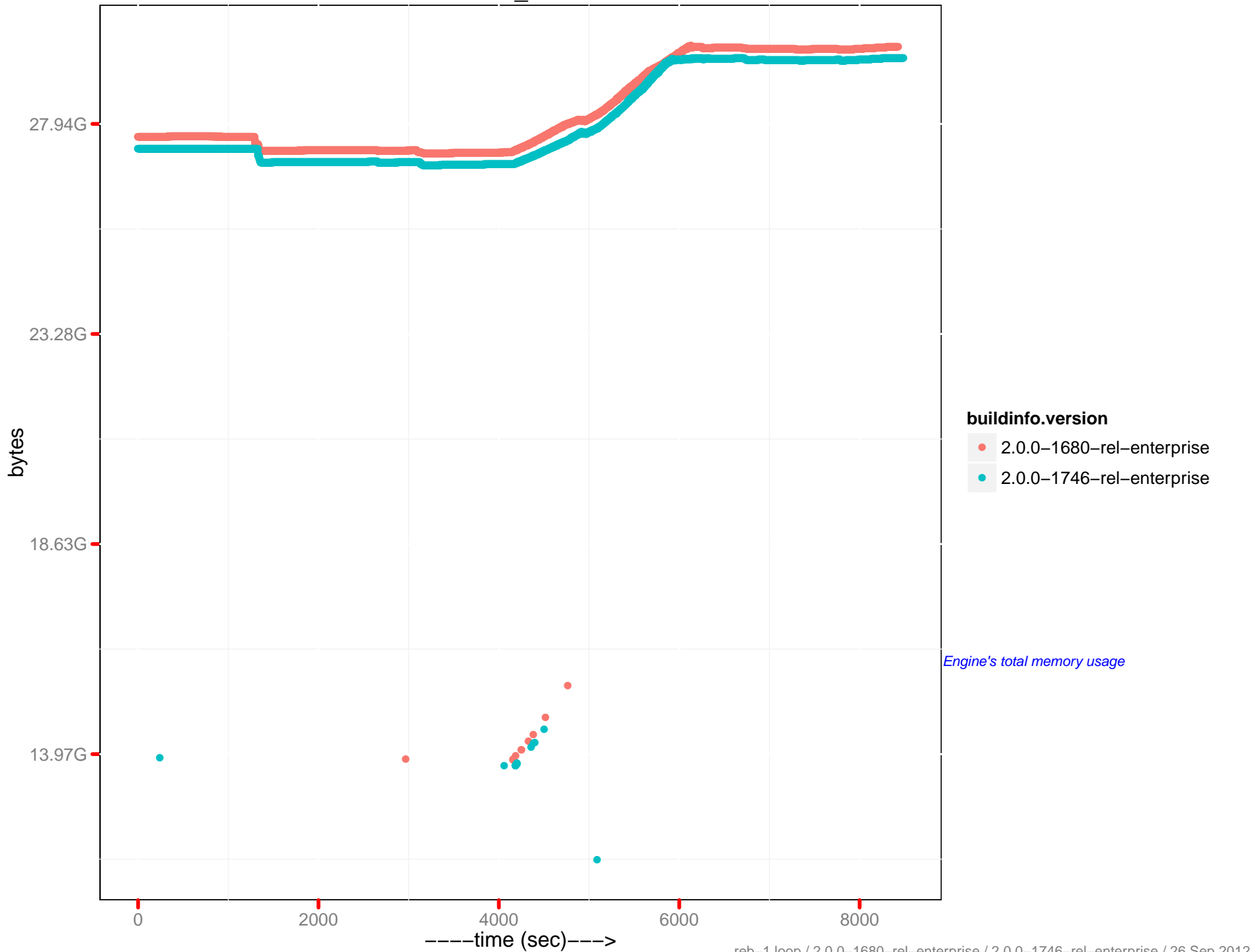


# cur\_items\_total



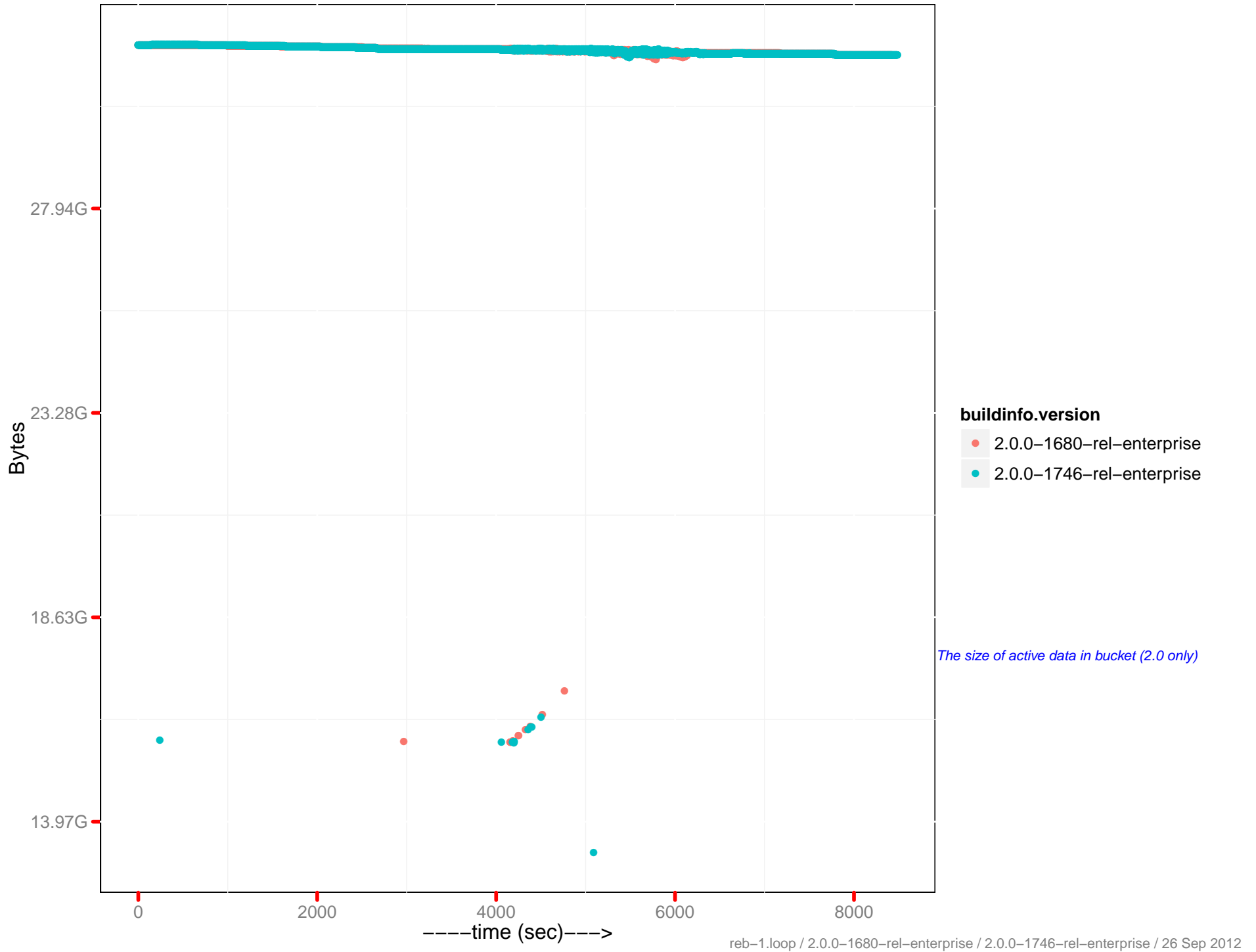


mem\_used

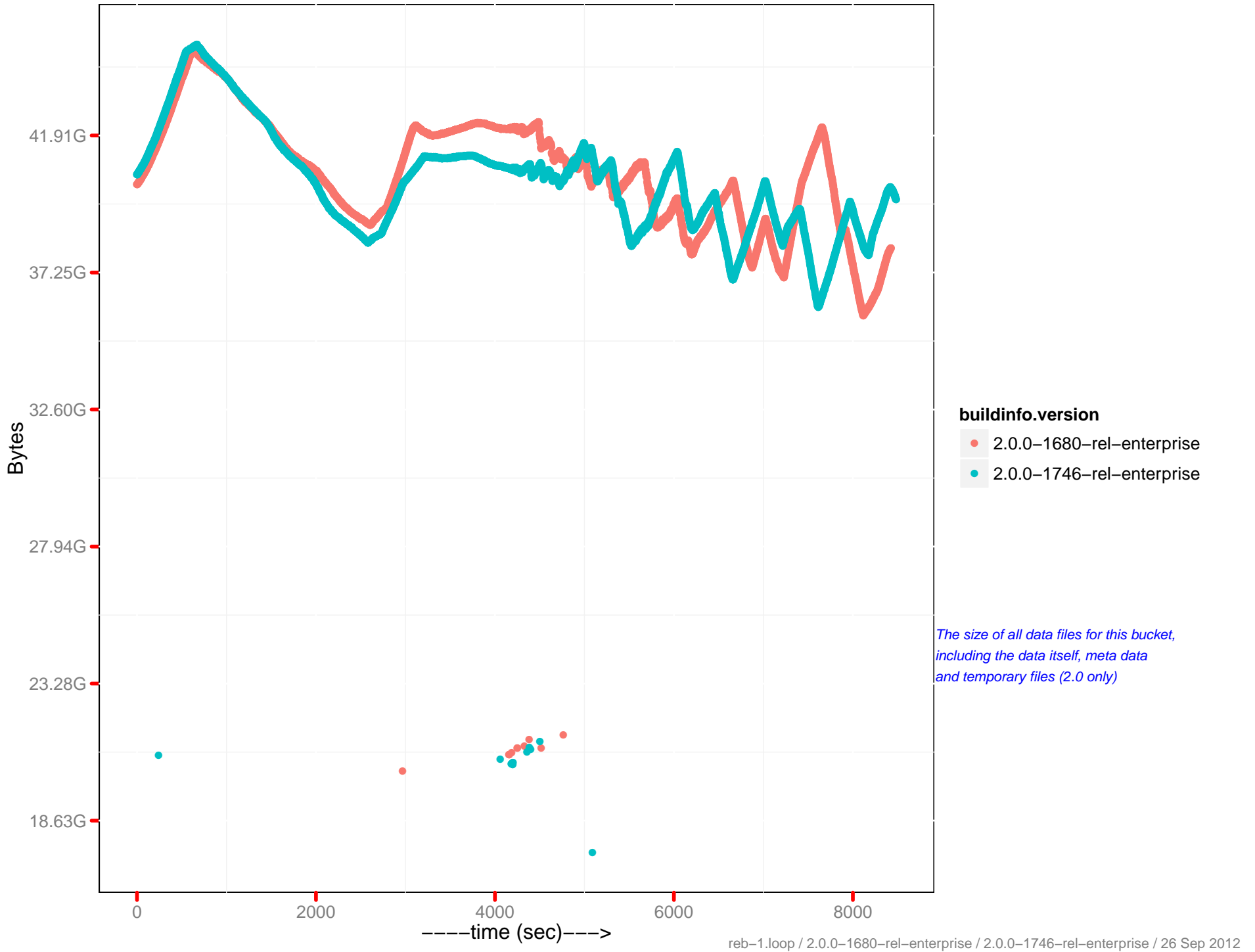


Engine's total memory usage

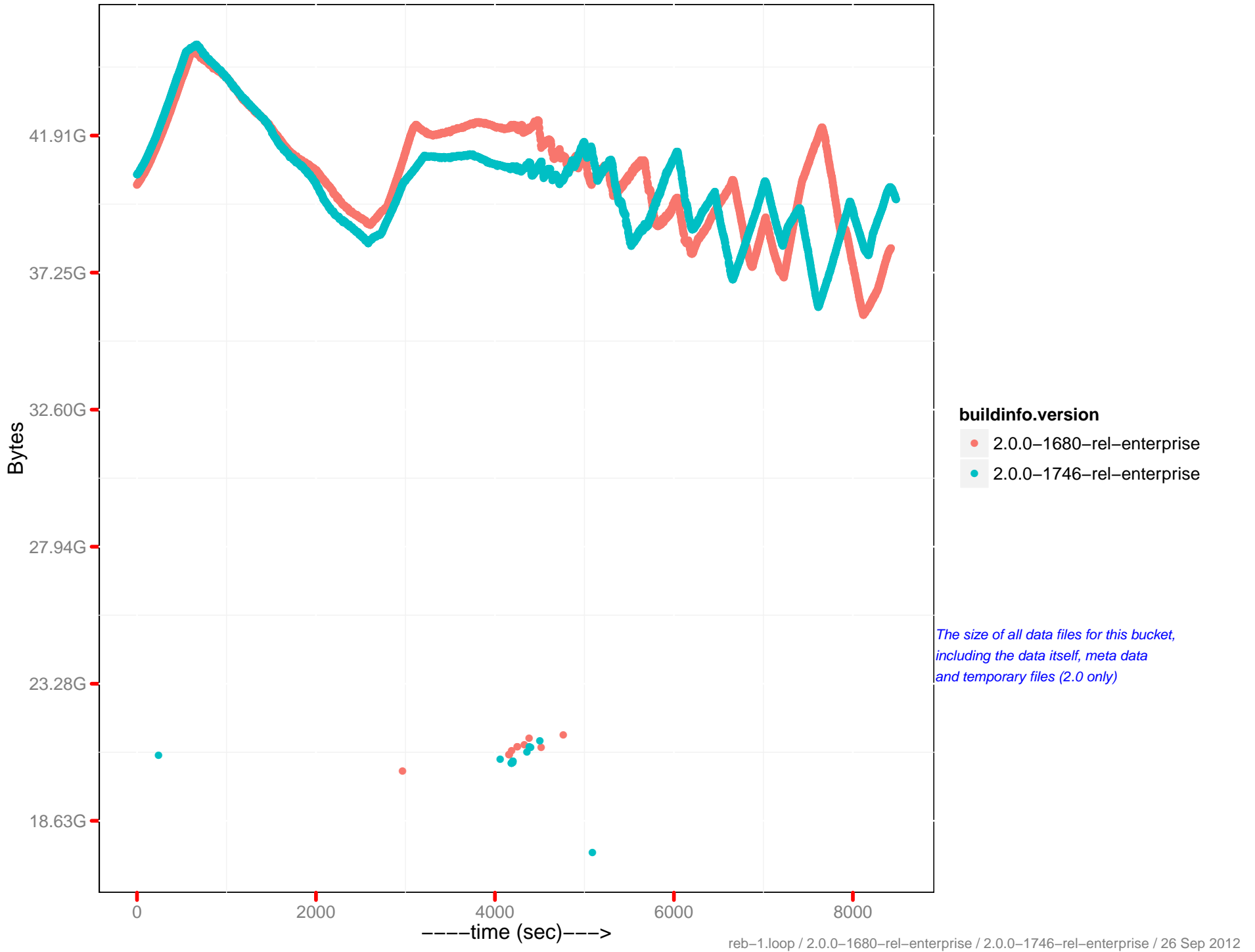
# Docs data size



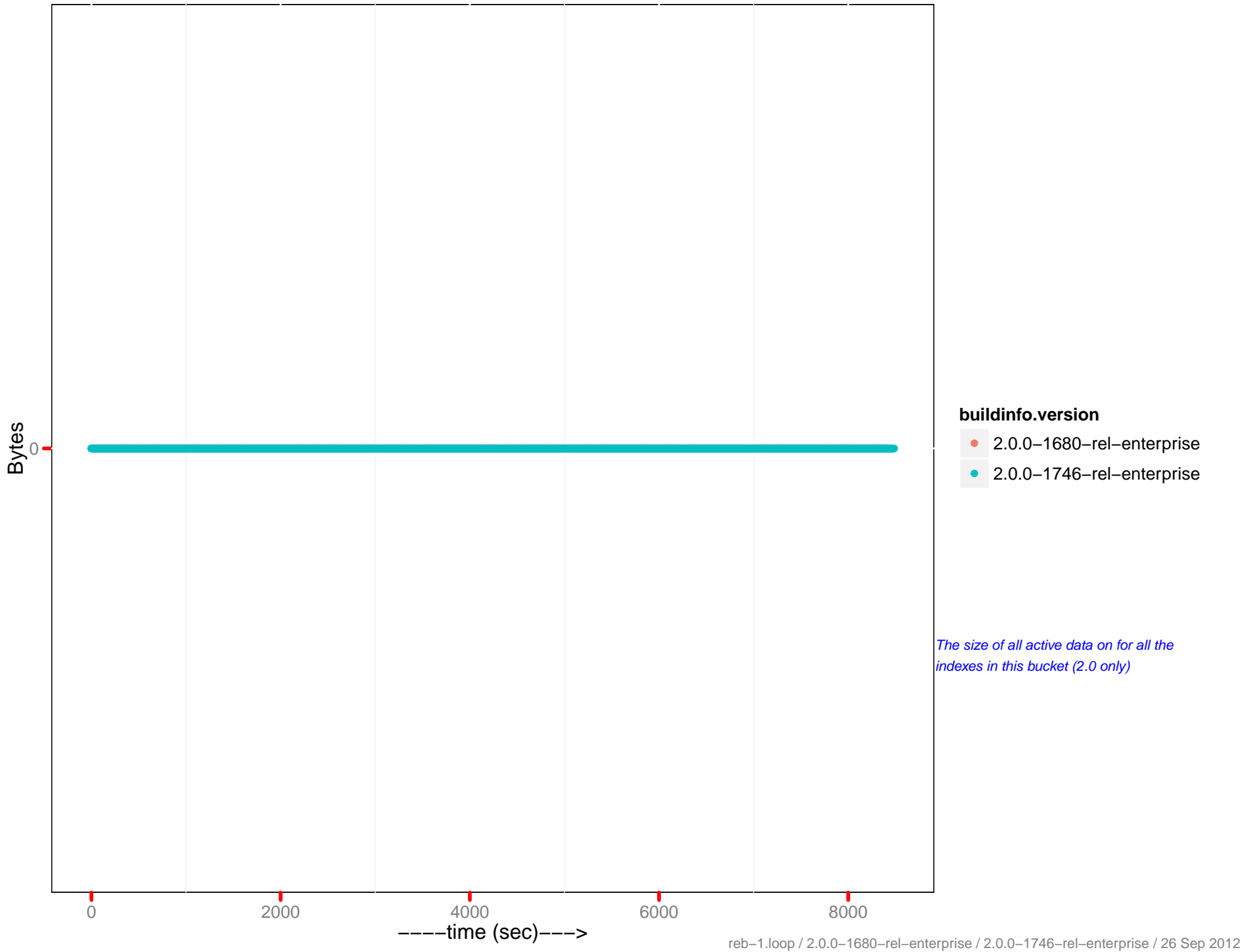
# Docs disk size



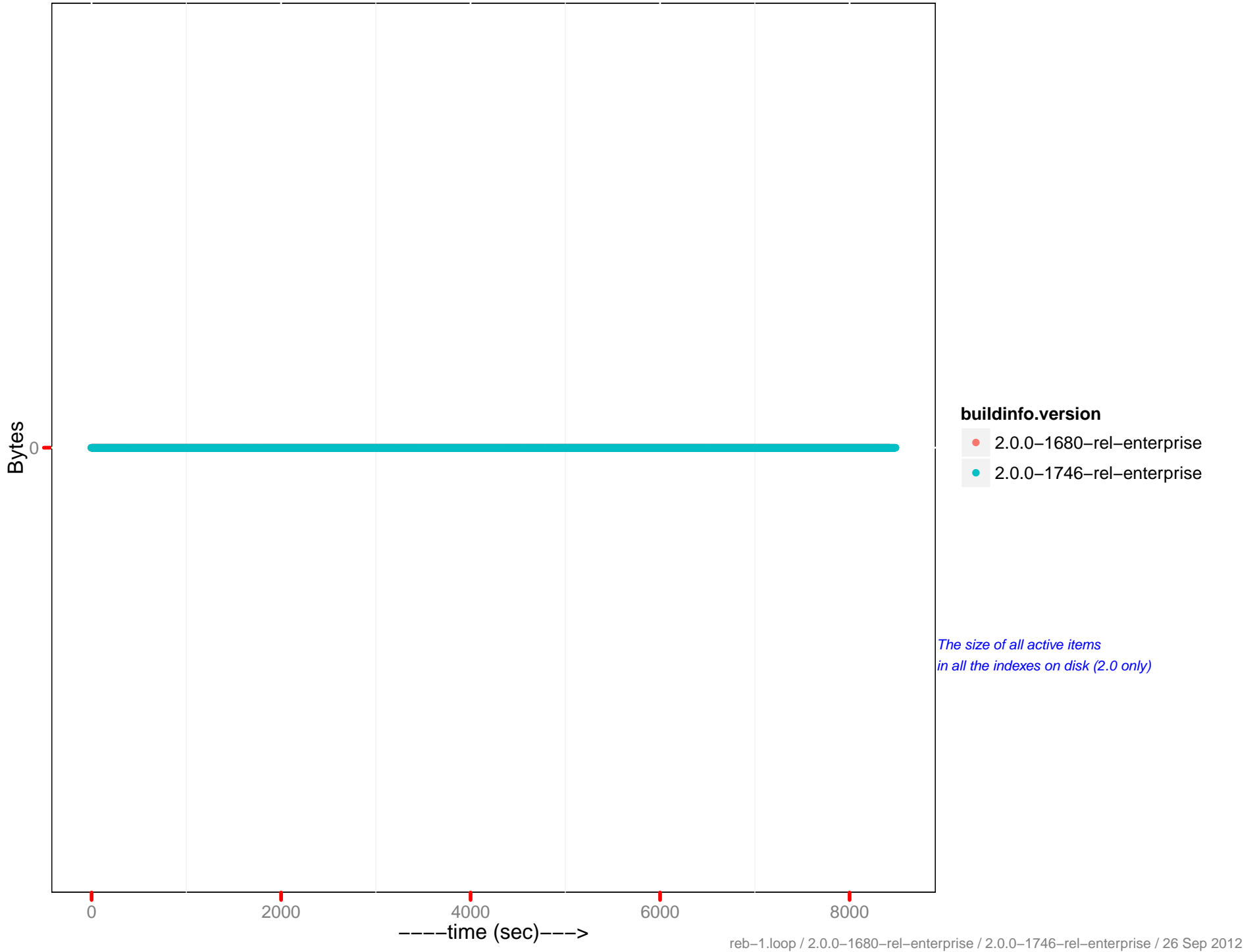
# Docs actual disk size



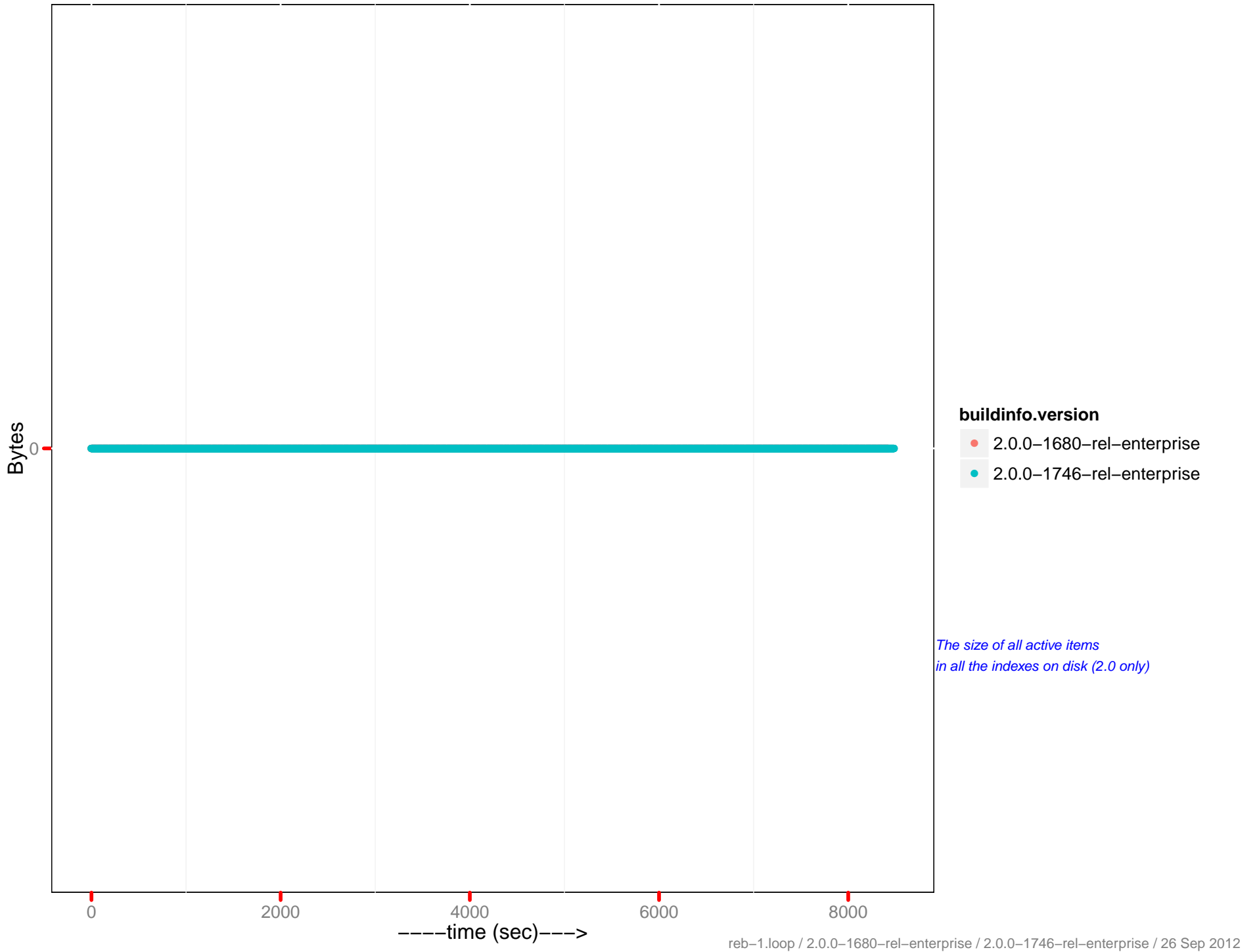
# Views data size



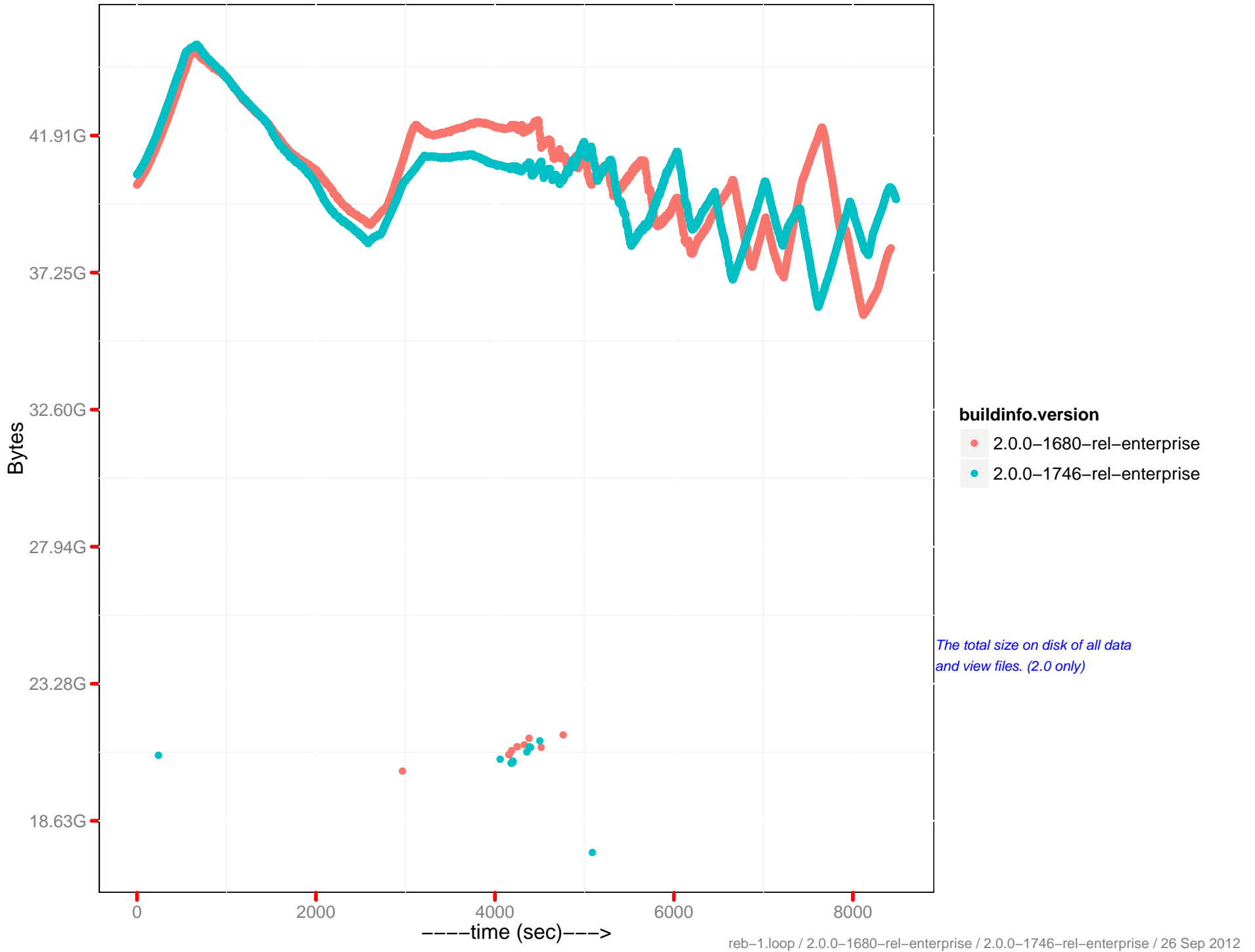
# Views disk size



# Views actual disk size

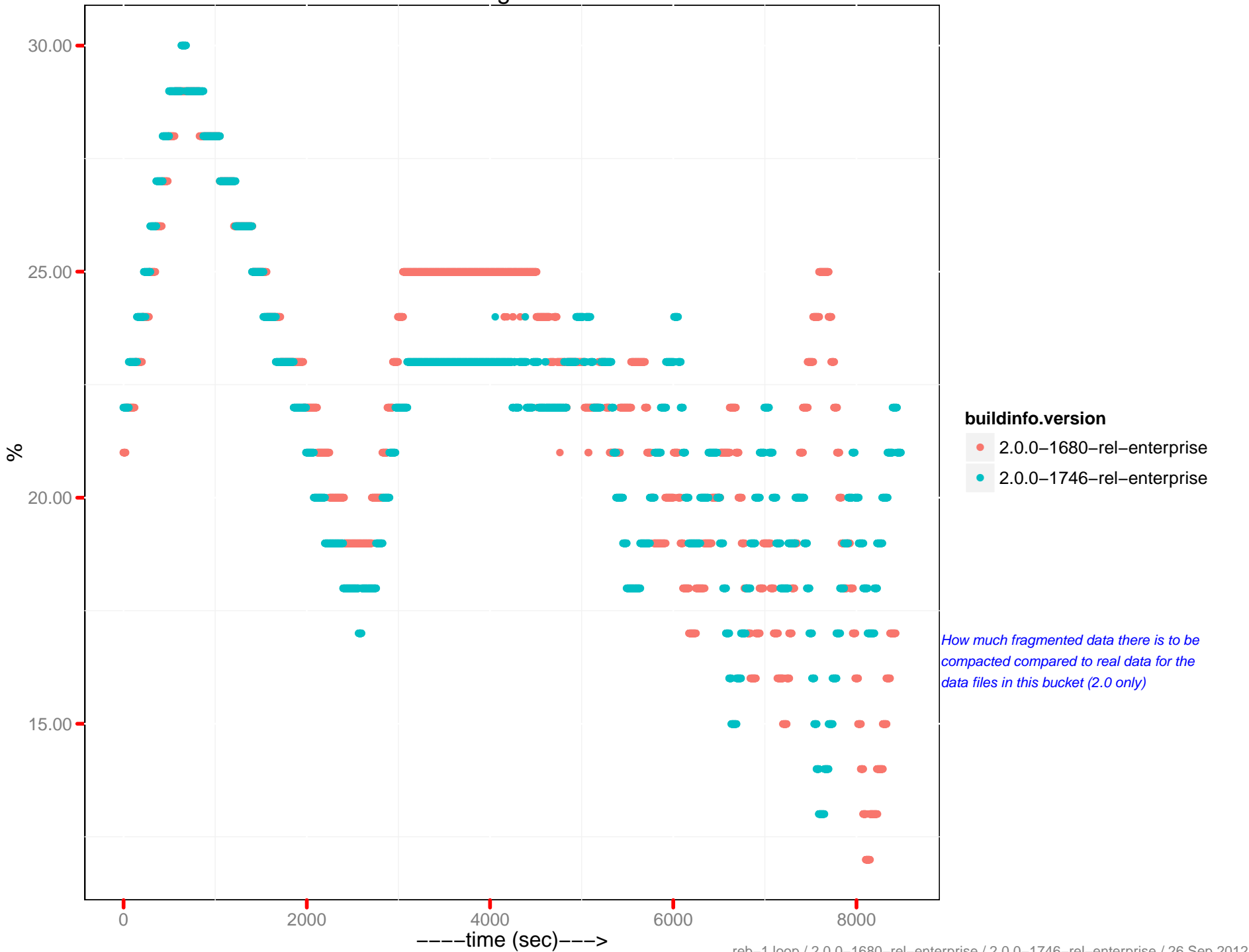


# Total disk size

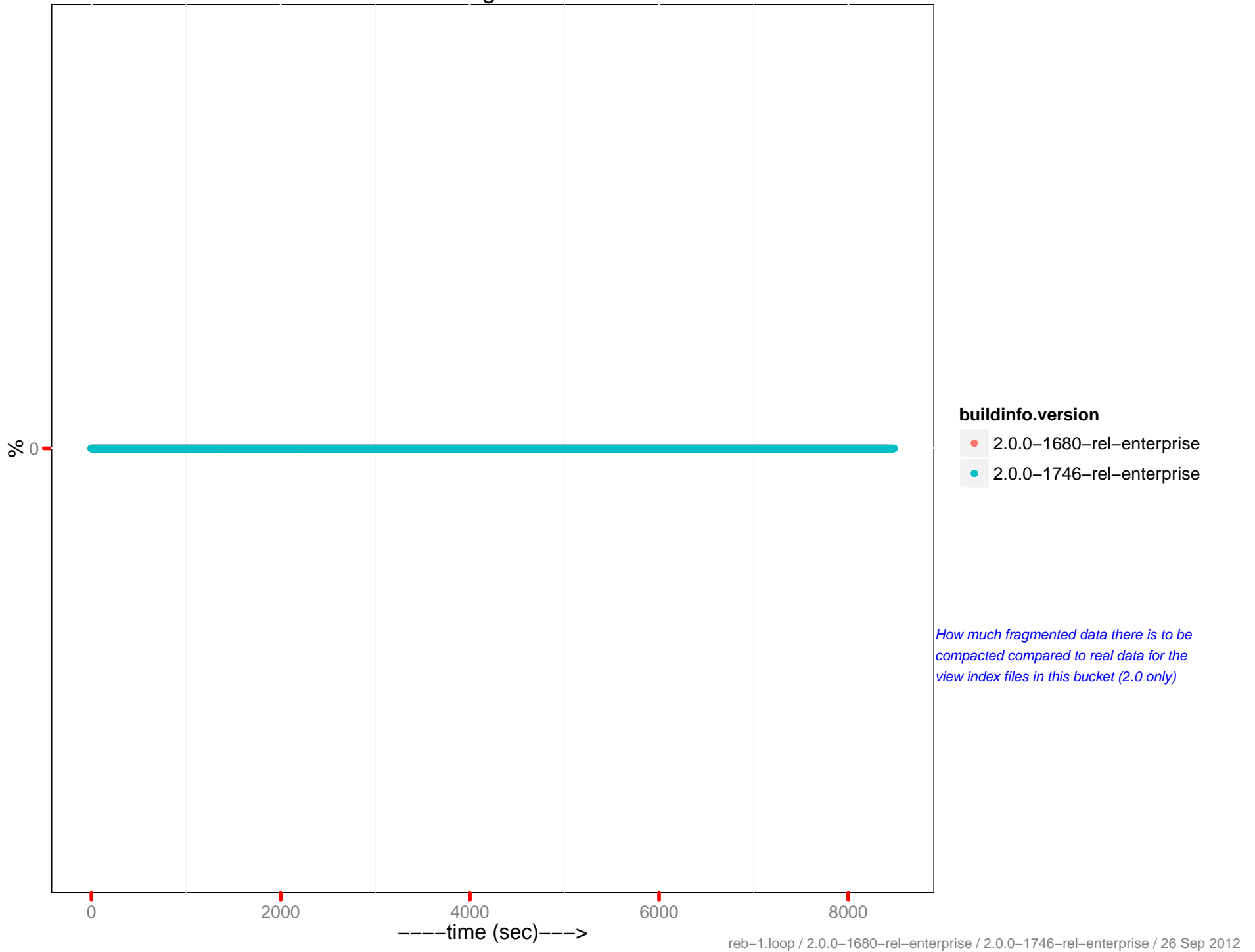




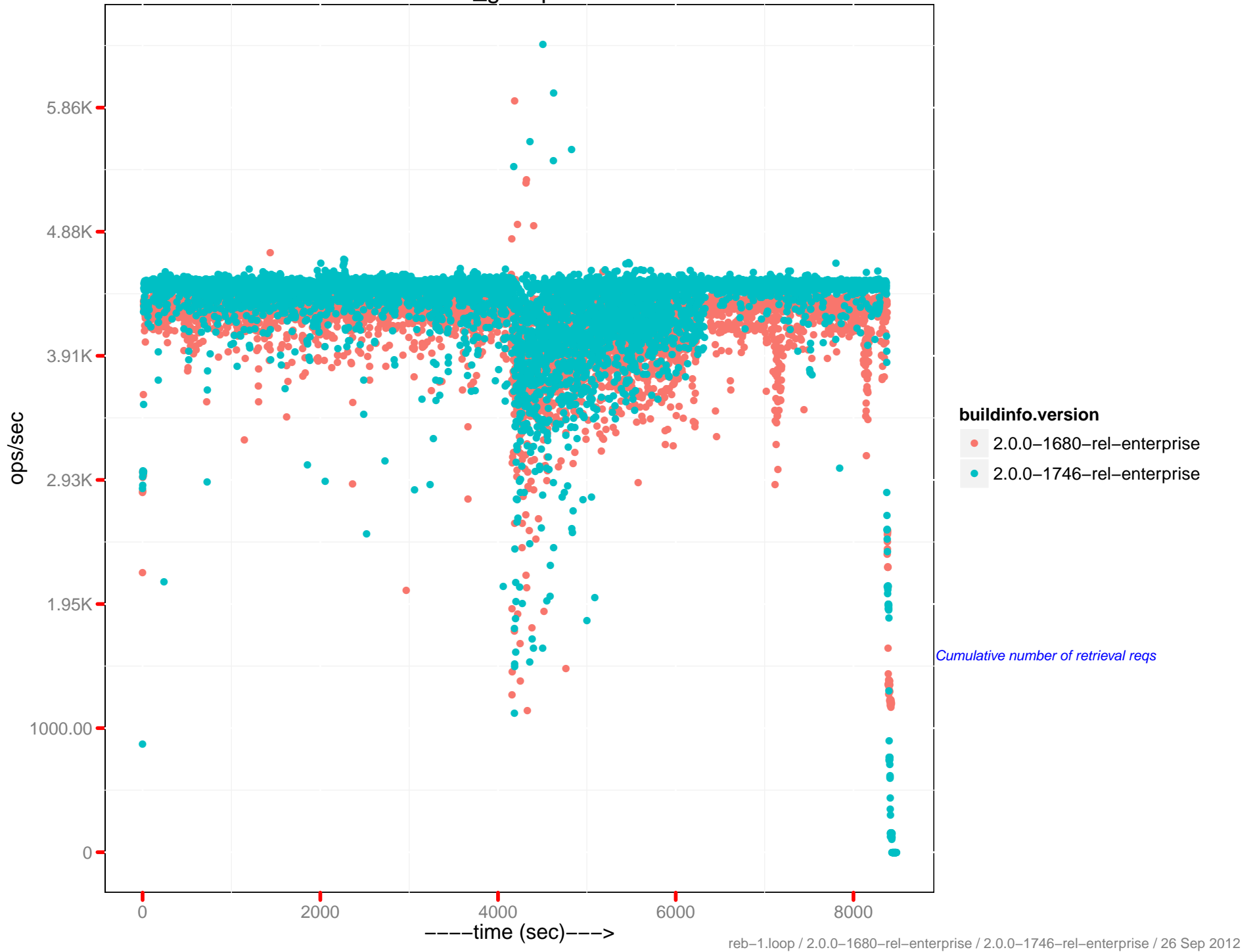
# Docs fragmentation



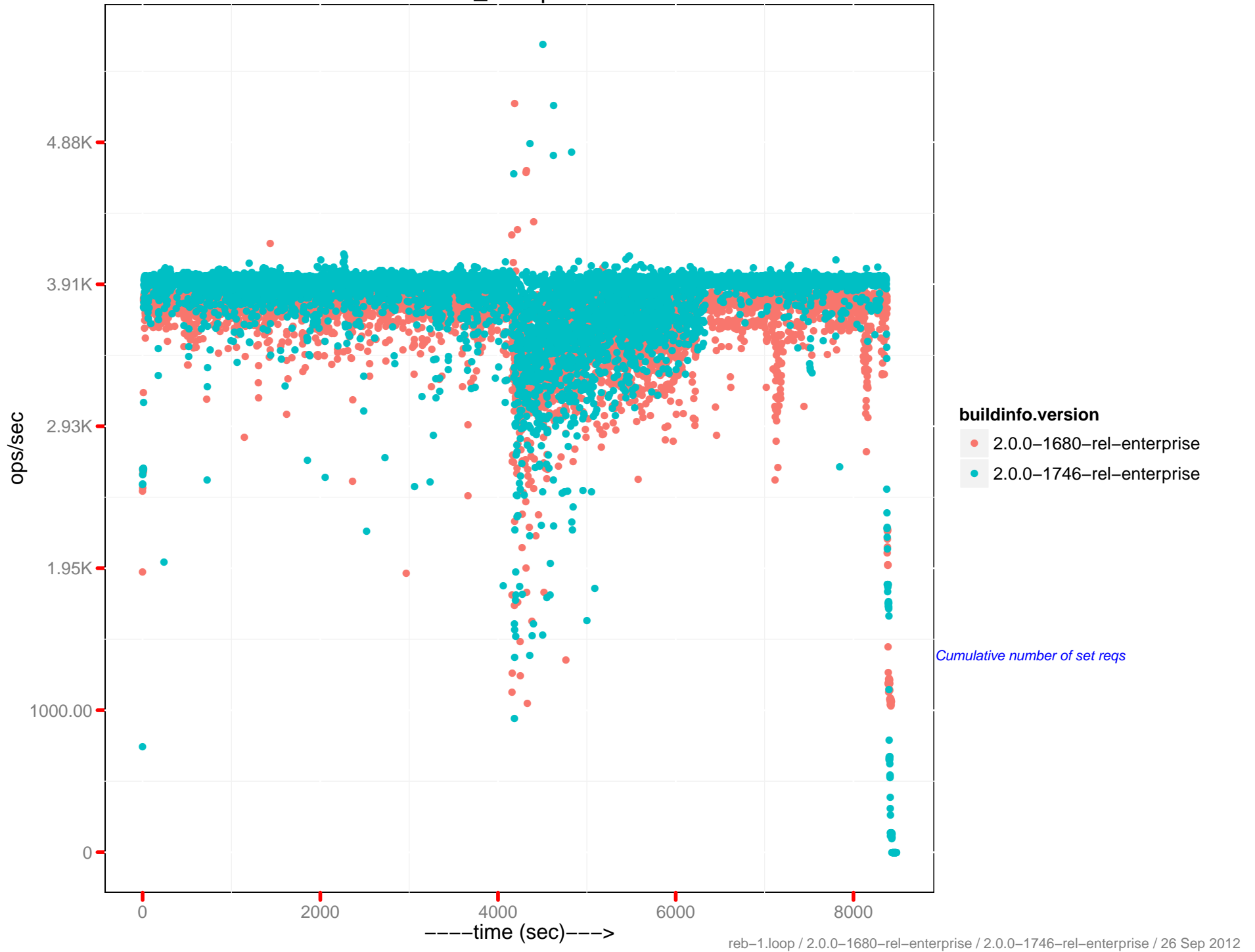
# Views fragmentation



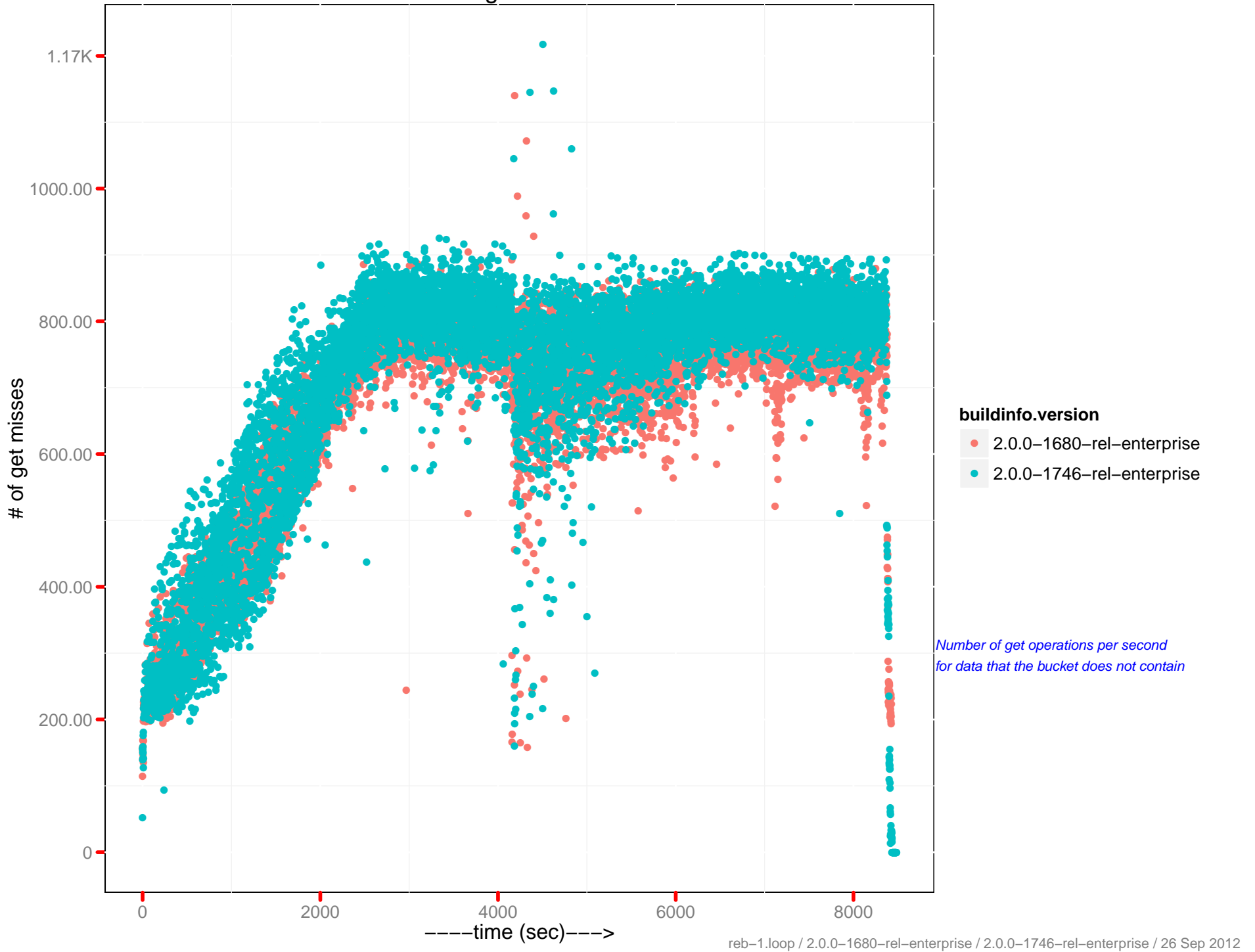
# cmd\_get ops/sec



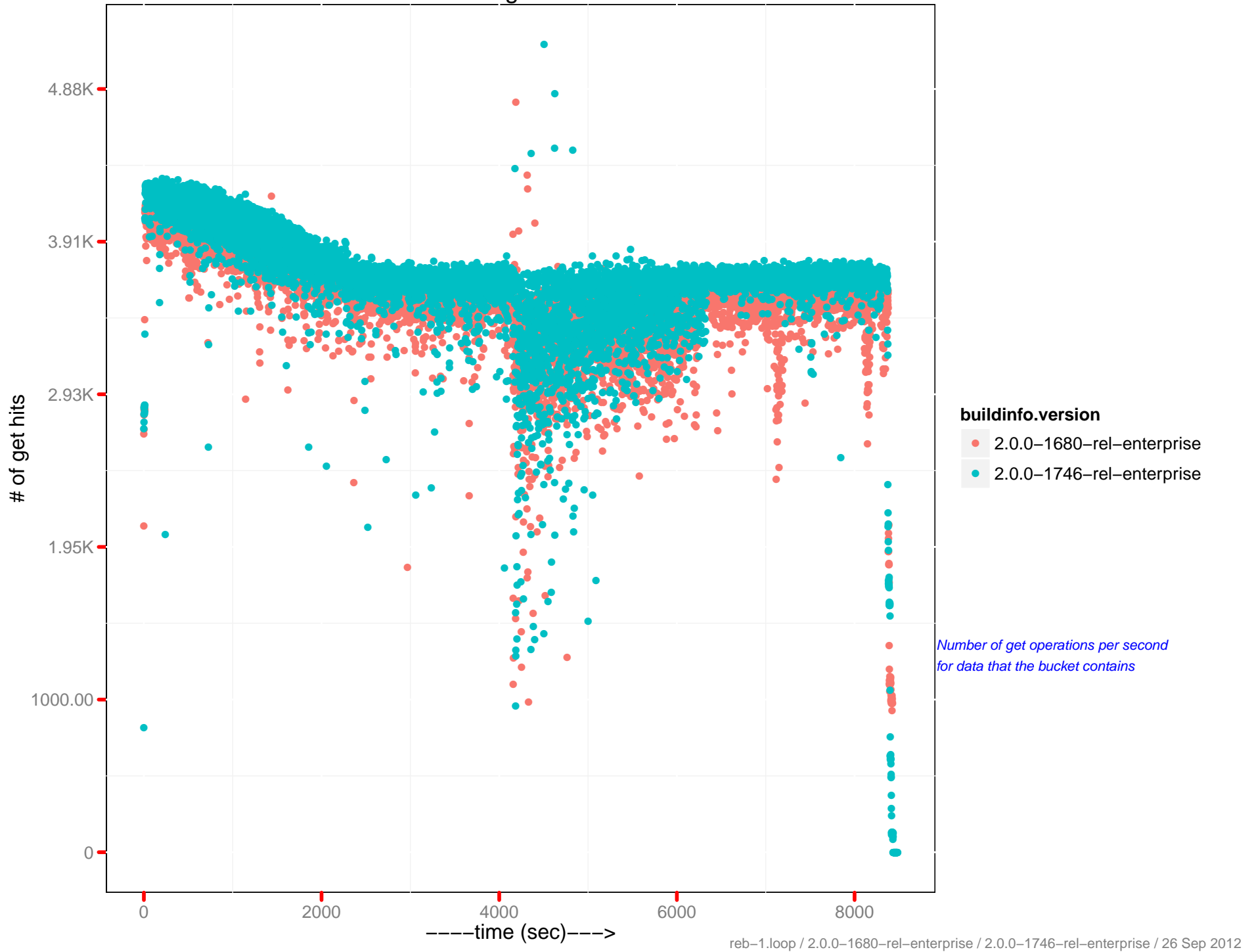
# cmd\_set ops/sec



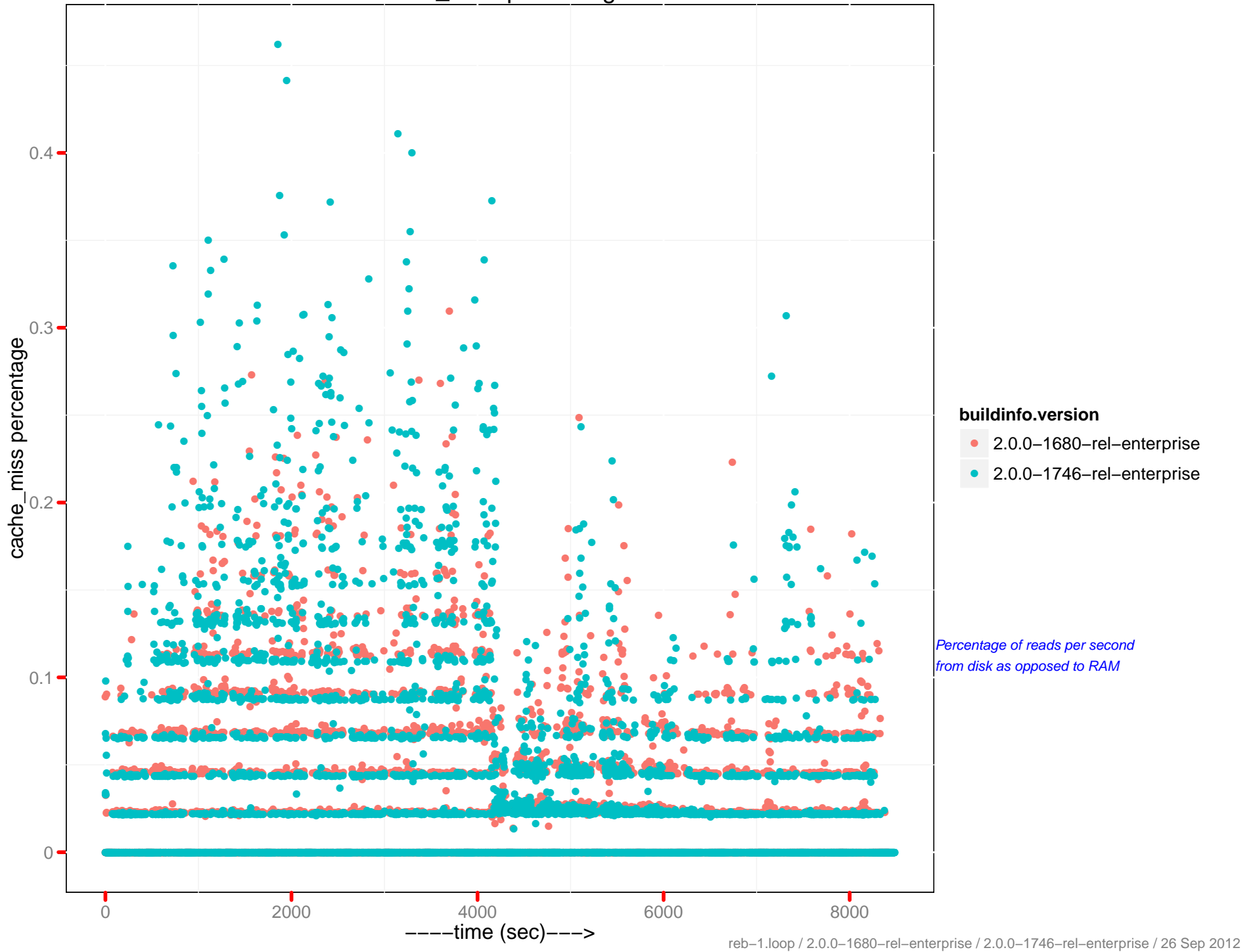
# # of get misses



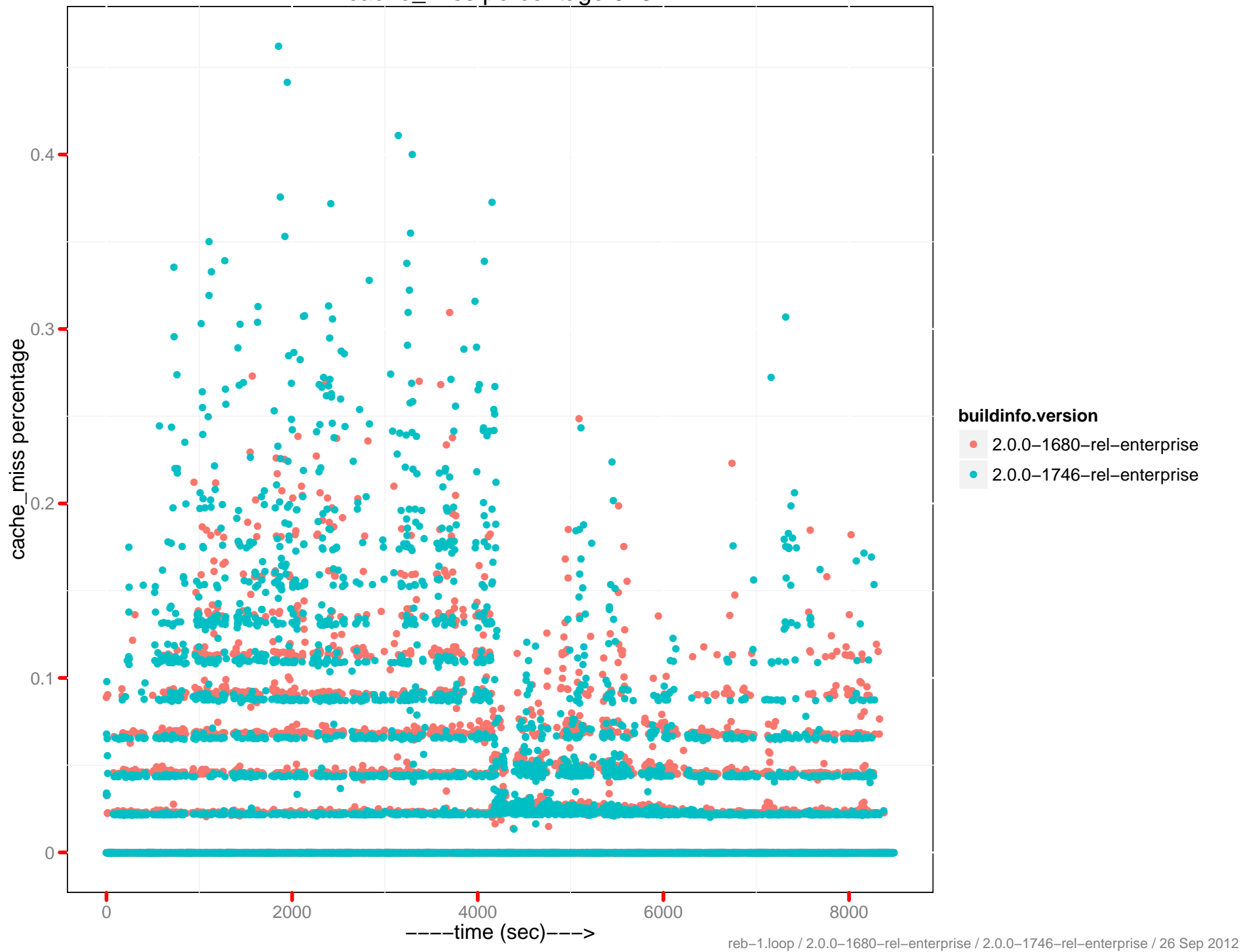
# # of get hits



# cache\_miss percentage

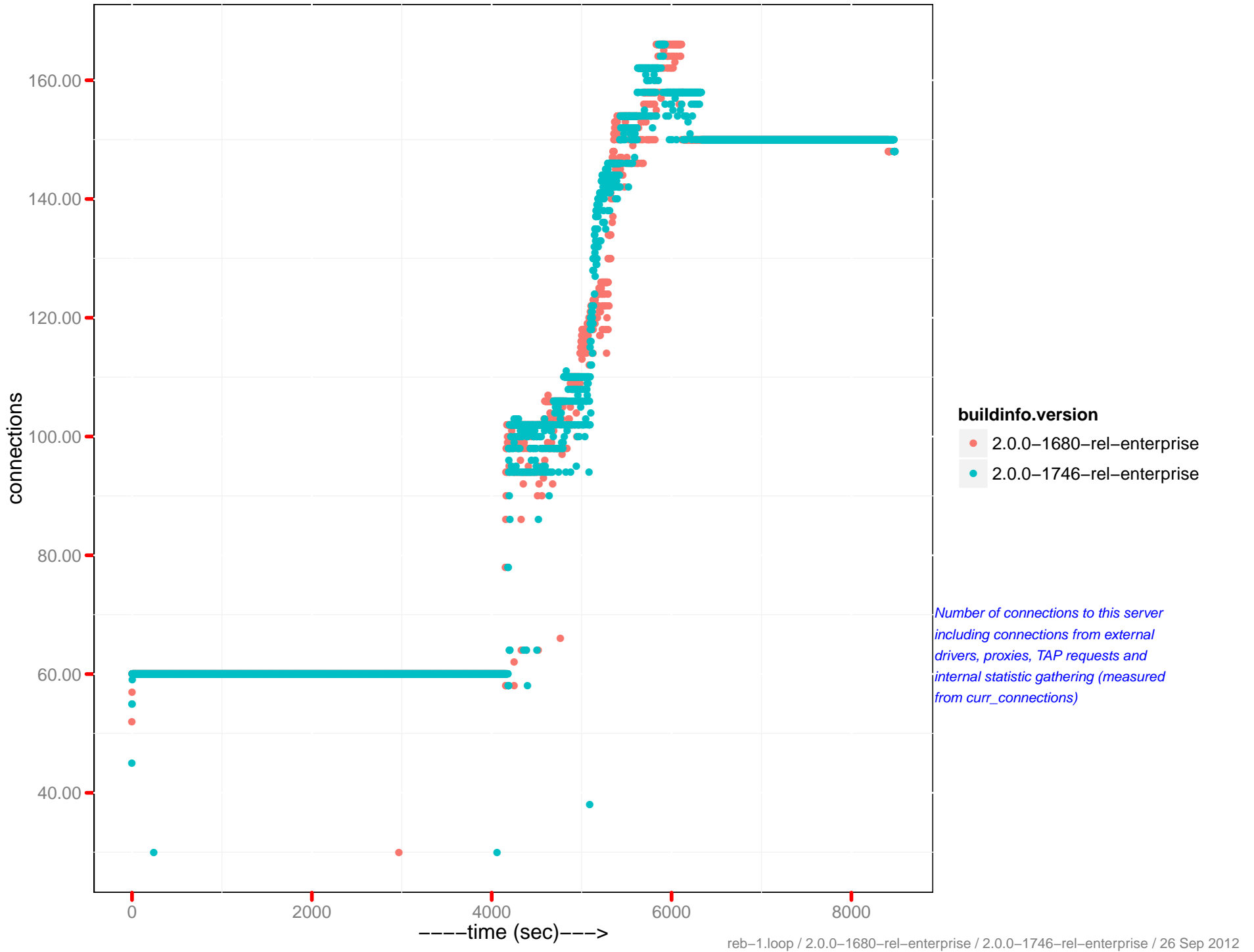


cache\_miss percentage 0-5

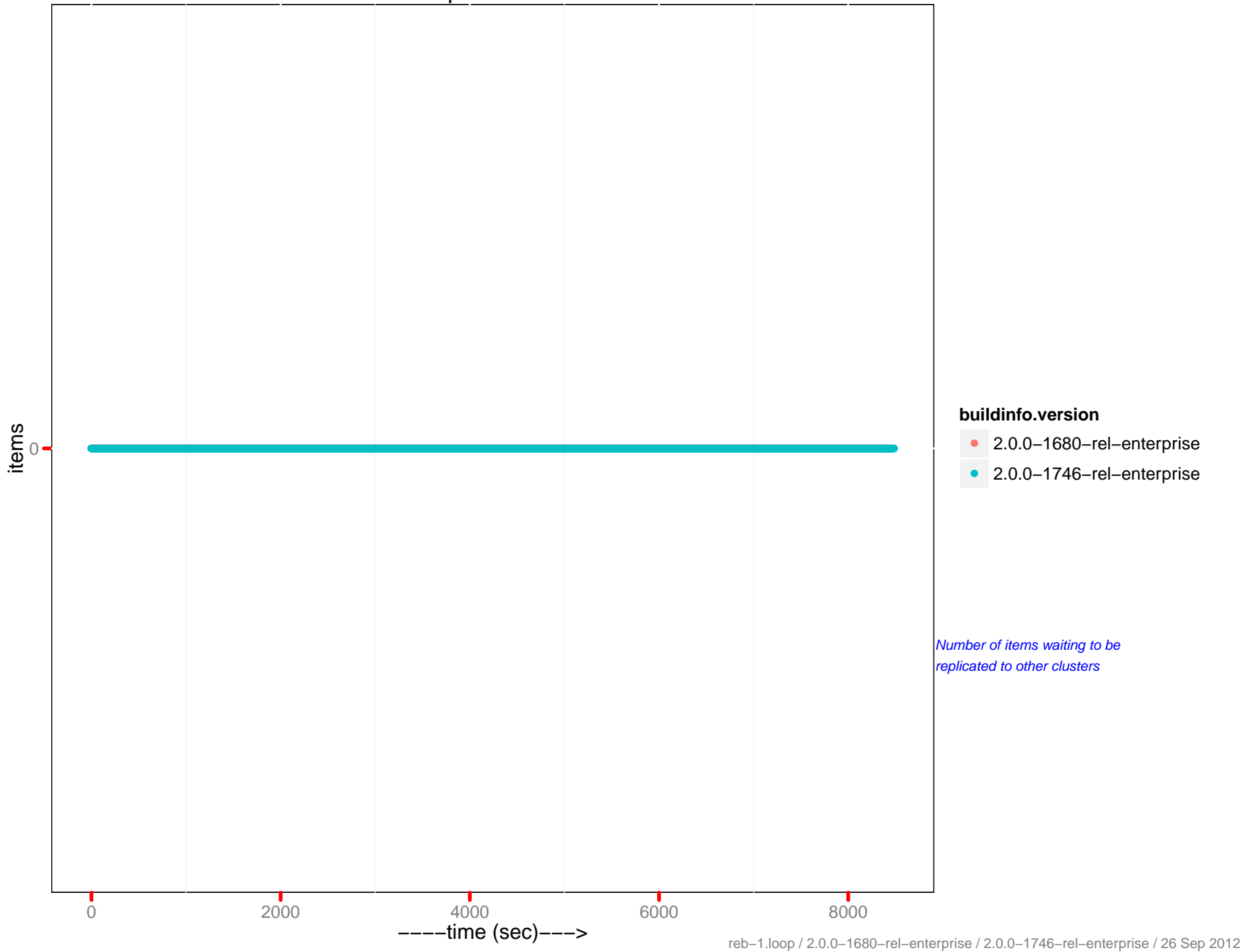




# Number of connections



# XDC replication Queue

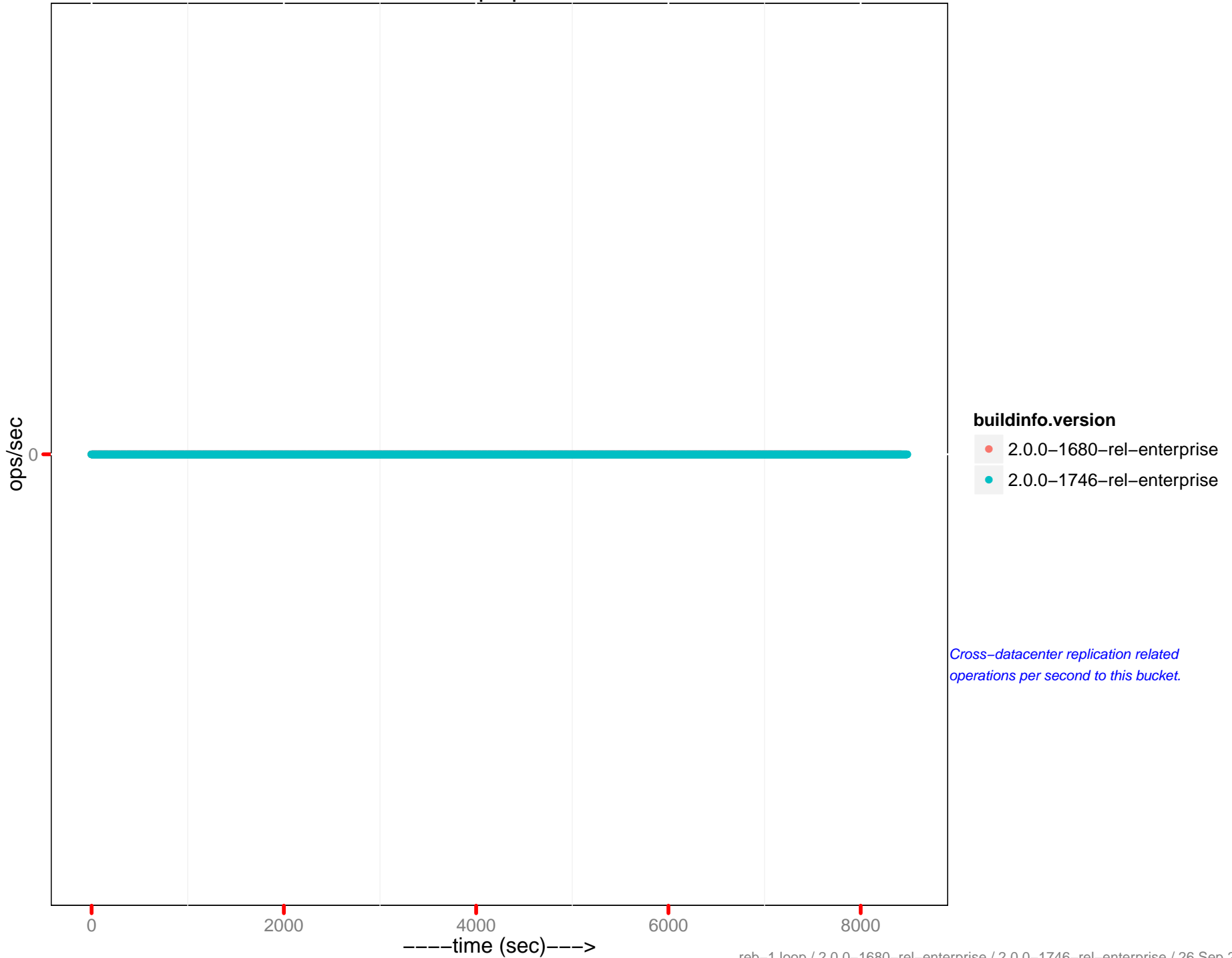


## buildinfo.version

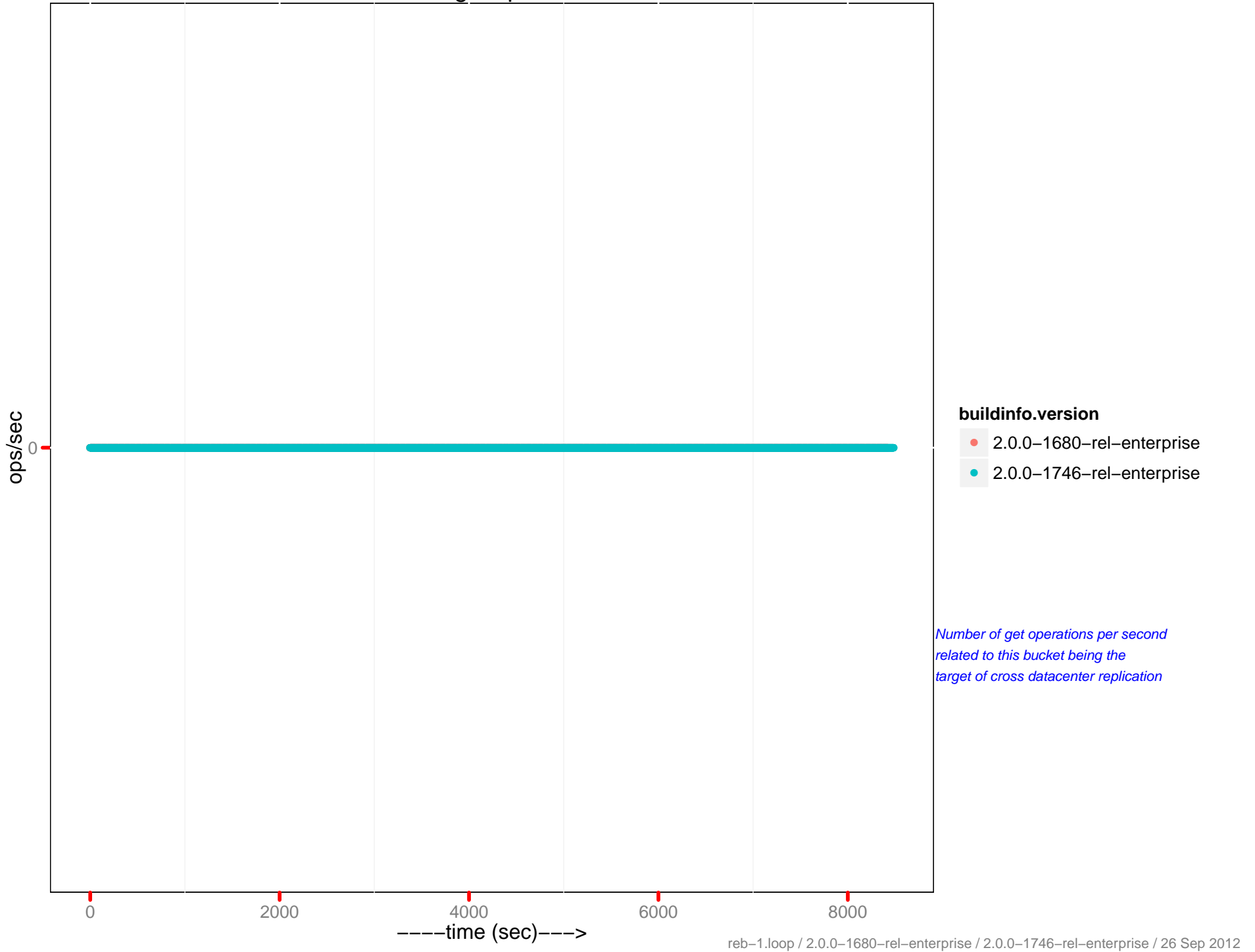
- 2.0.0-1680-rel-enterprise
- 2.0.0-1746-rel-enterprise

*Number of items waiting to be replicated to other clusters*

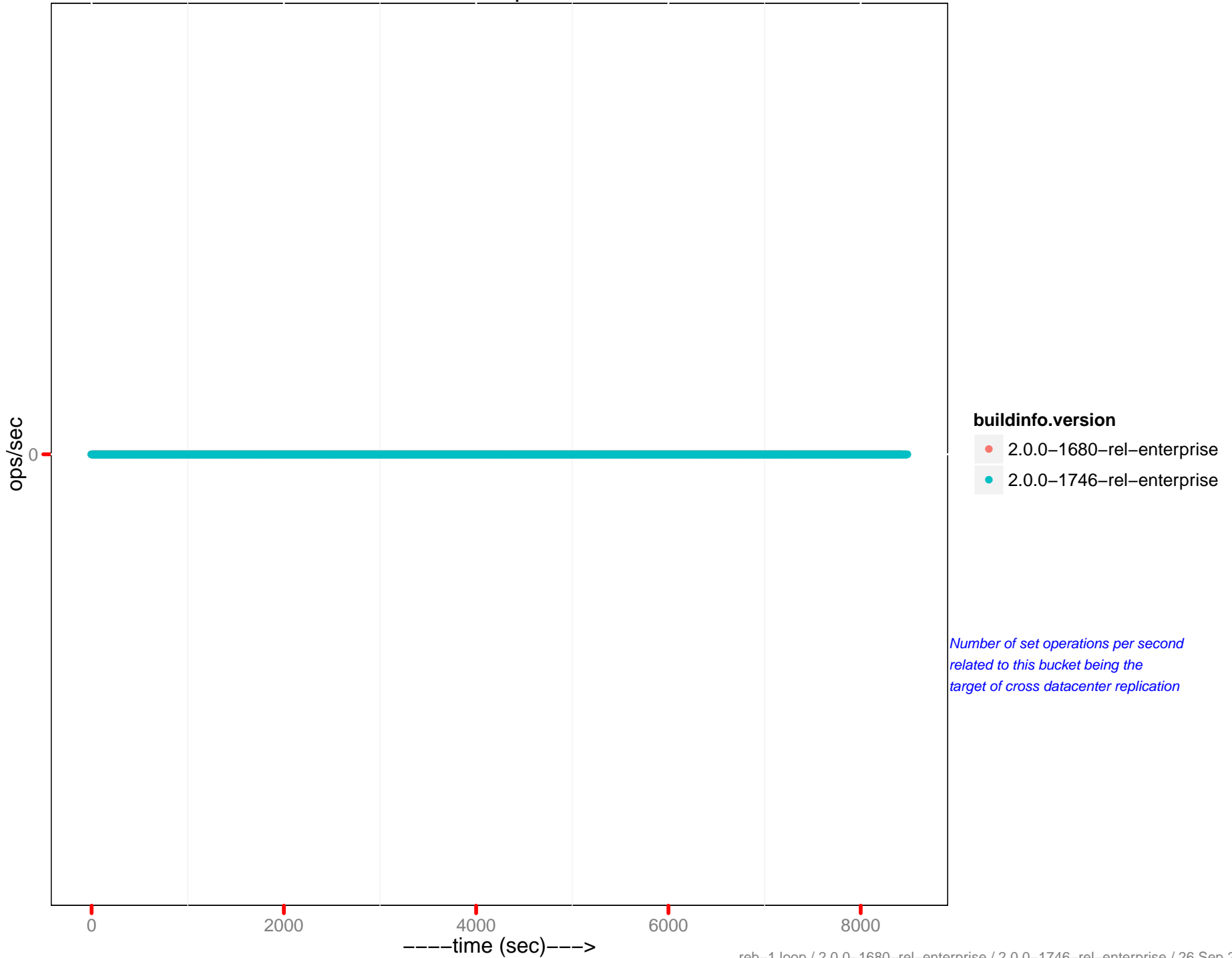
# XDC ops per sec



# XDC gets per sec

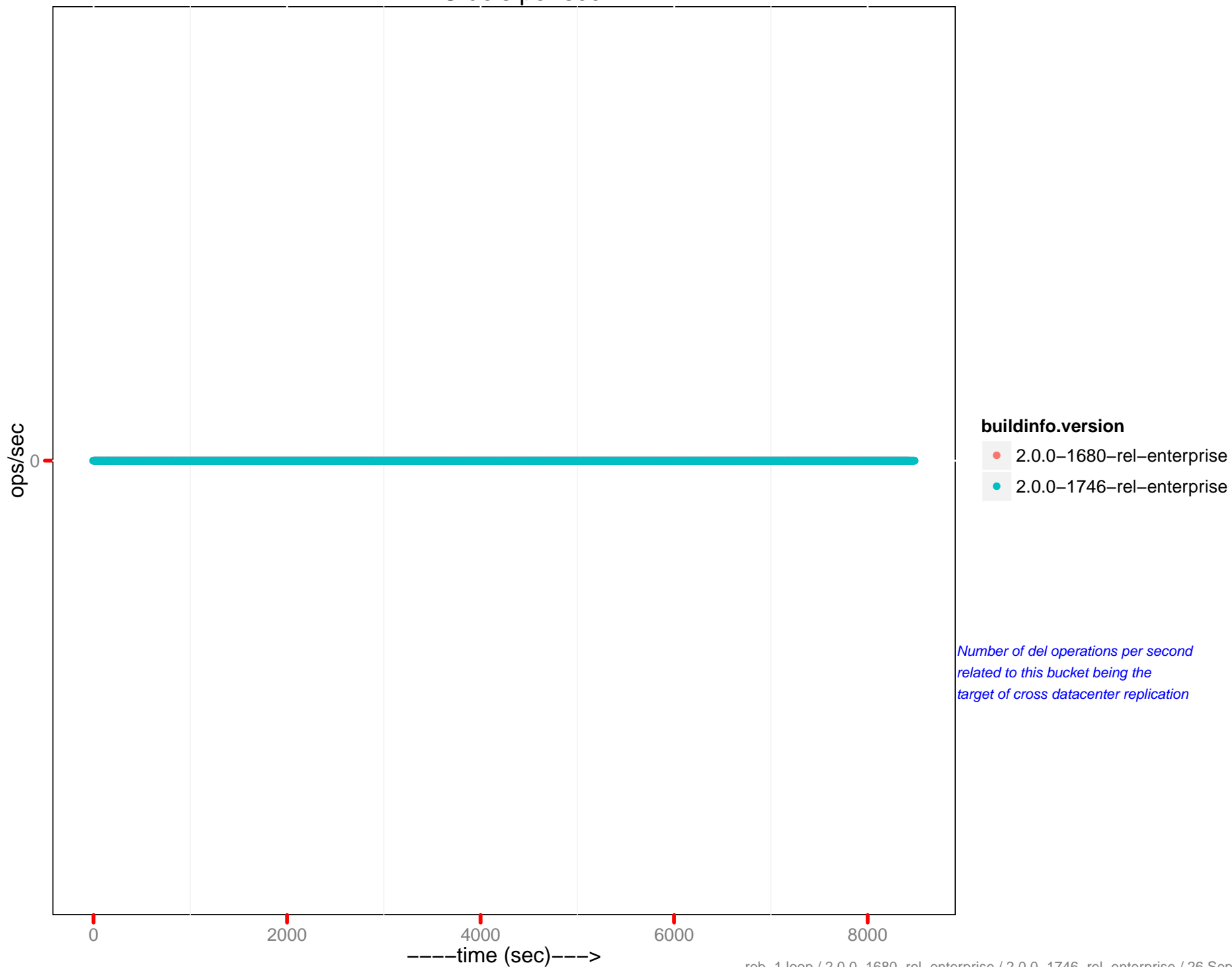


# XDC sets per sec



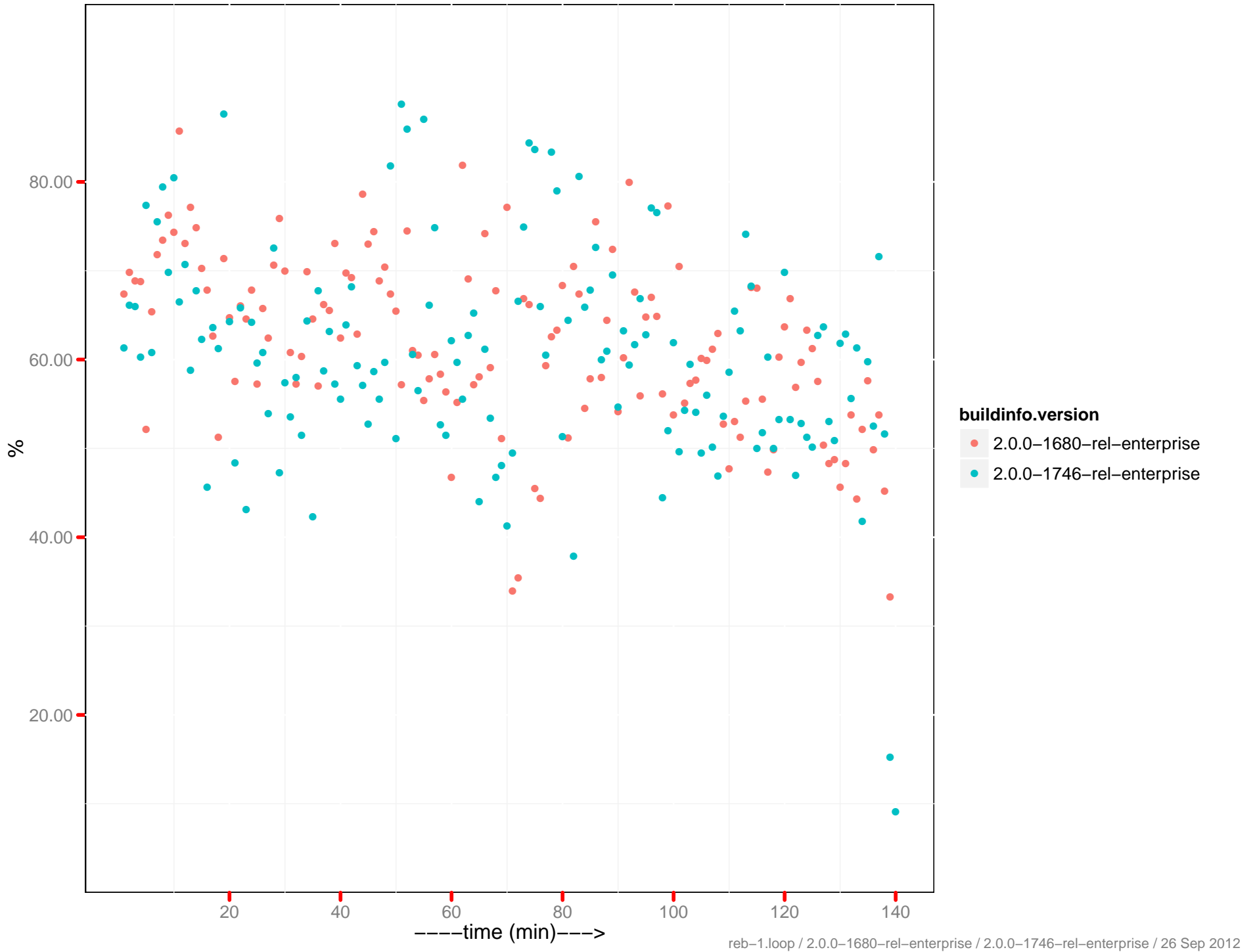
*Number of set operations per second related to this bucket being the target of cross datacenter replication*

# XDC dels per sec

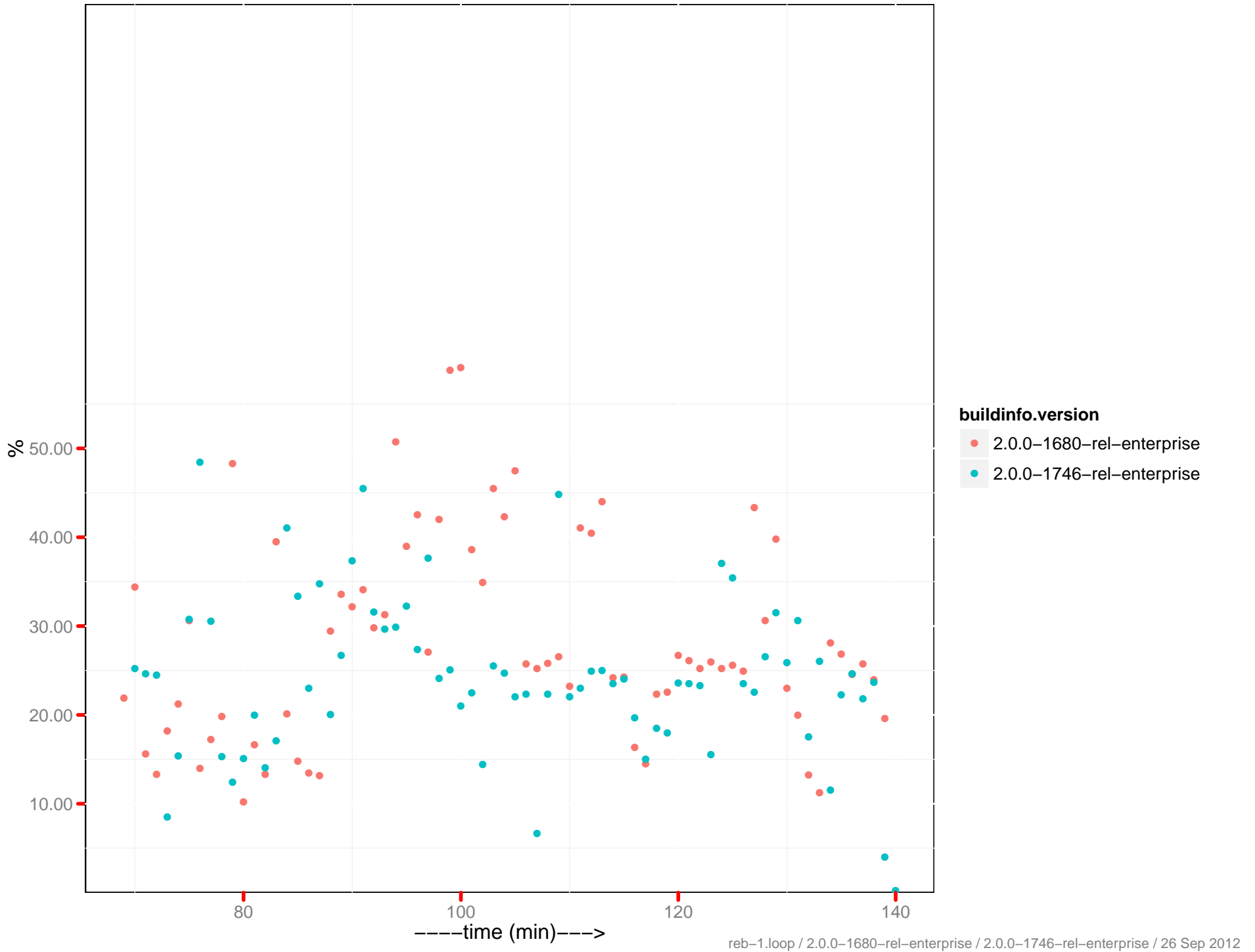


*Number of del operations per second related to this bucket being the target of cross datacenter replication*

# CPU utilization – 192.168.0.20:8091

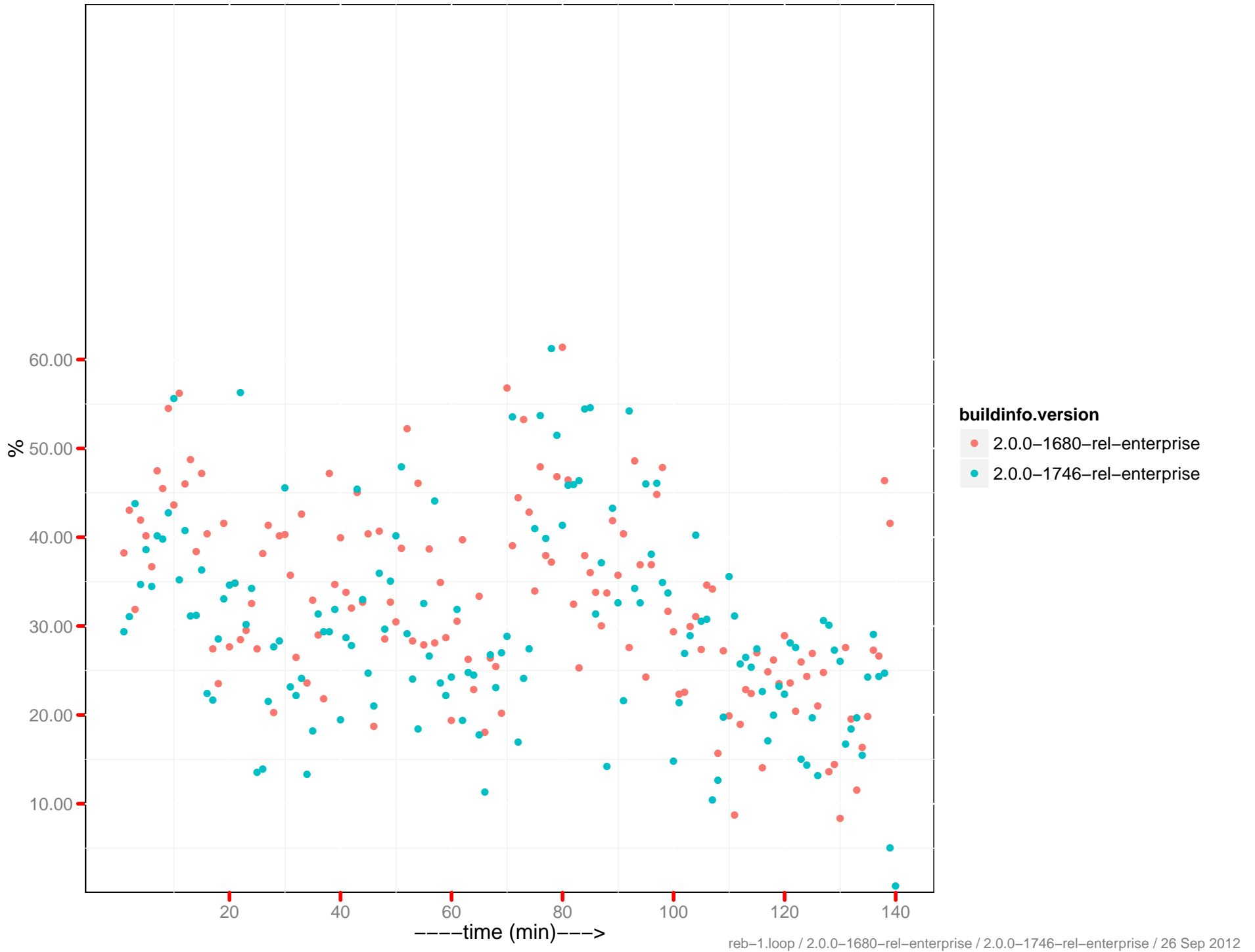


# CPU utilization – 192.168.0.21:8091

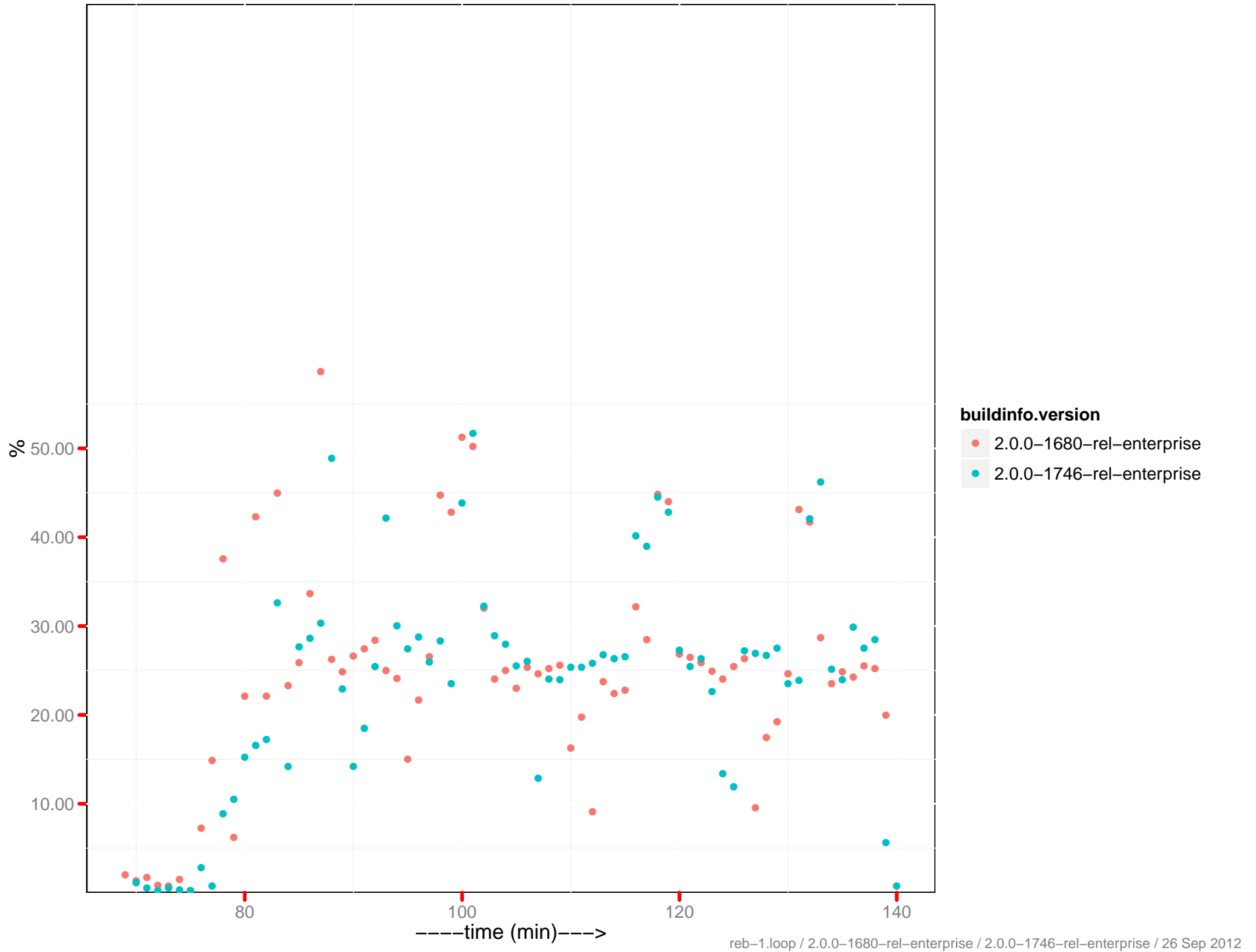




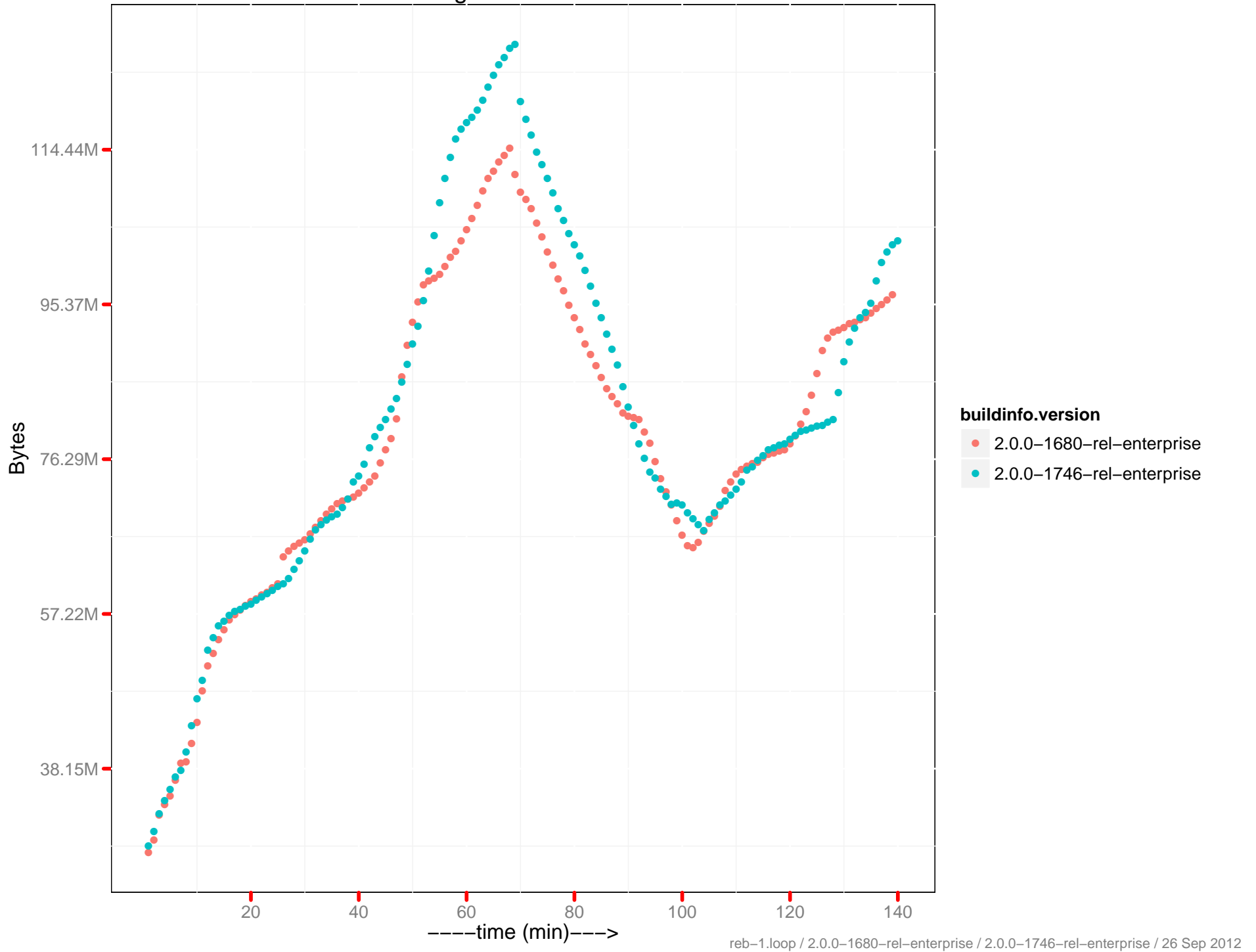
# CPU utilization – 192.168.0.22:8091



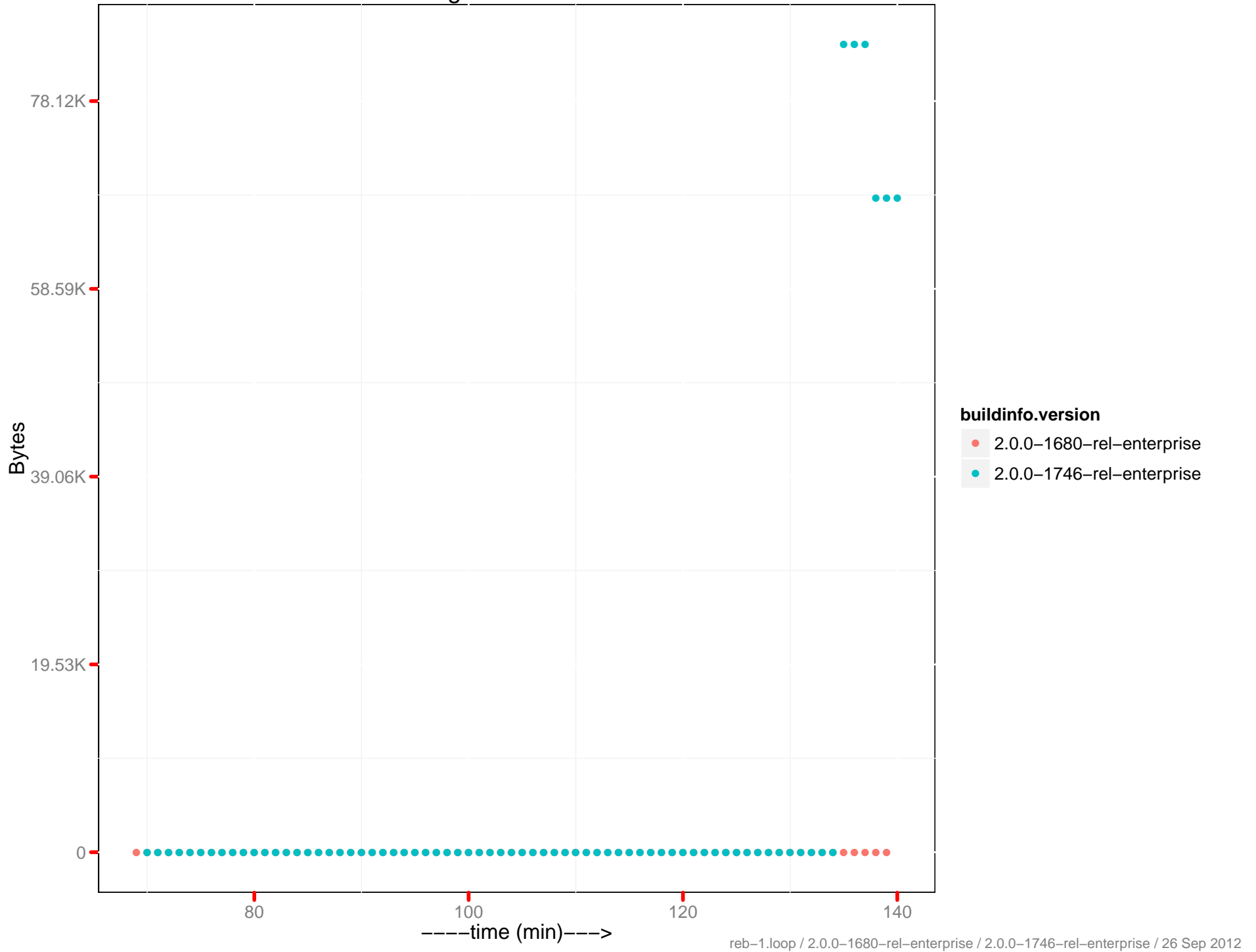
# CPU utilization – 192.168.0.23:8091



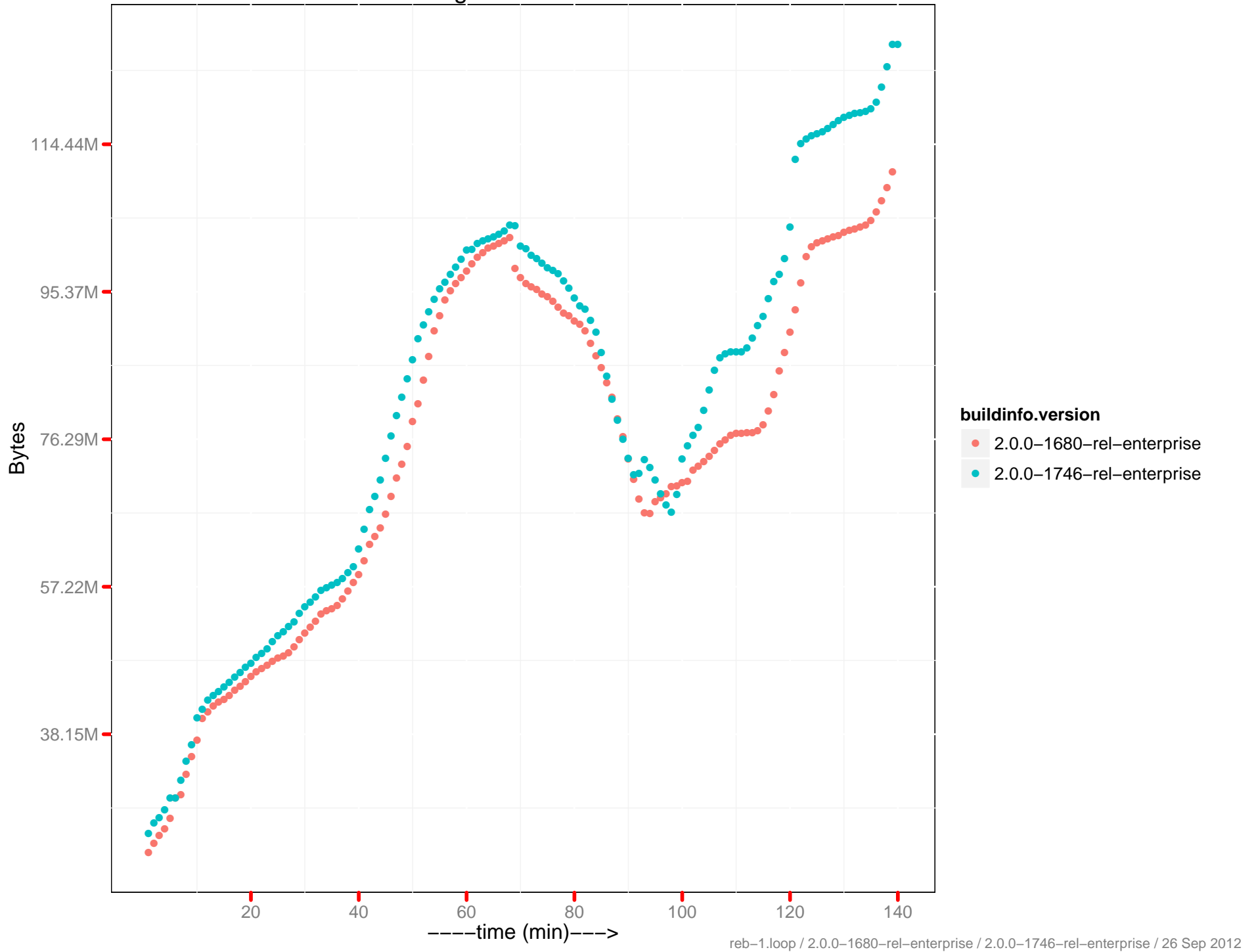
# SWAP Usage – 192.168.0.20:8091



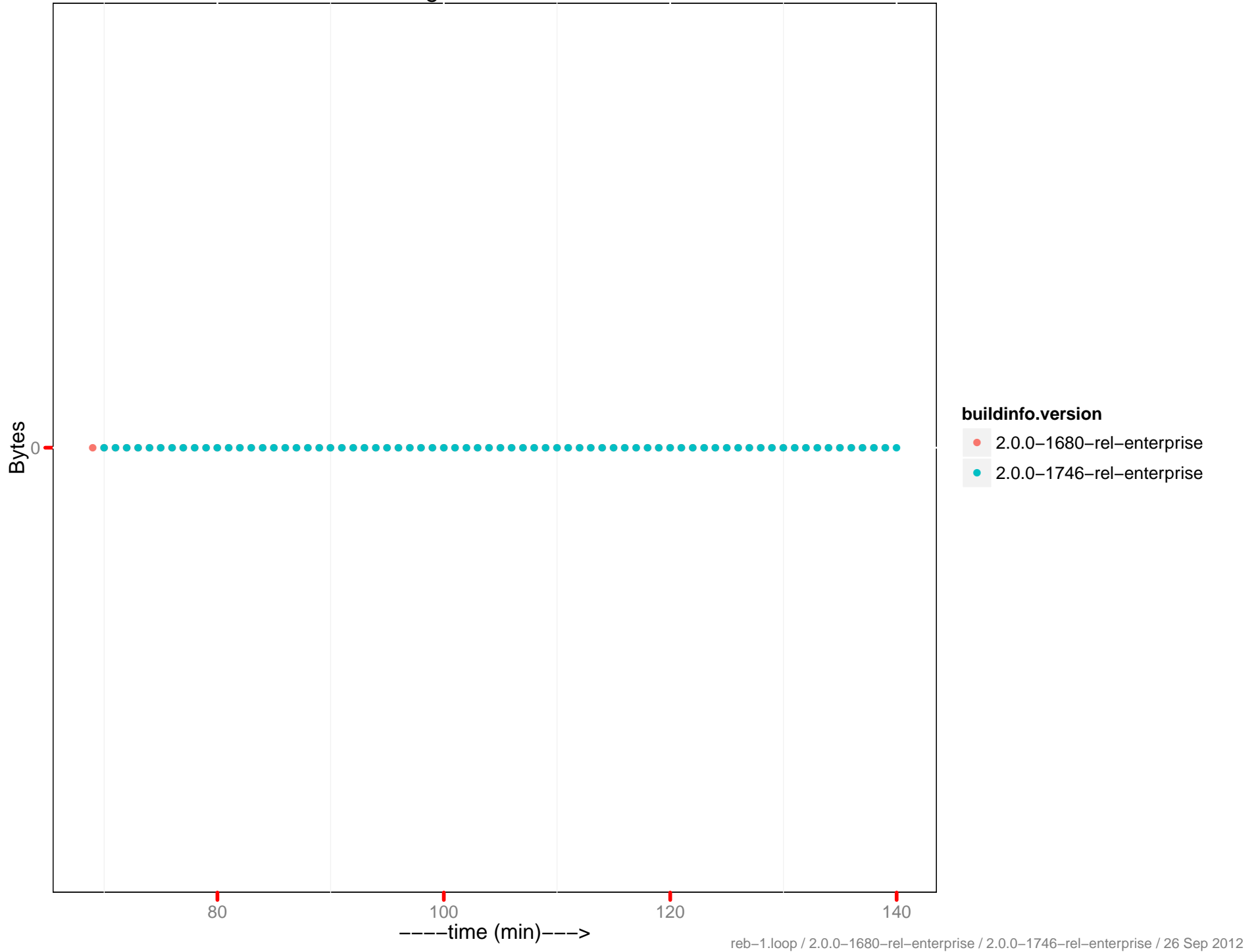
# SWAP Usage – 192.168.0.21:8091



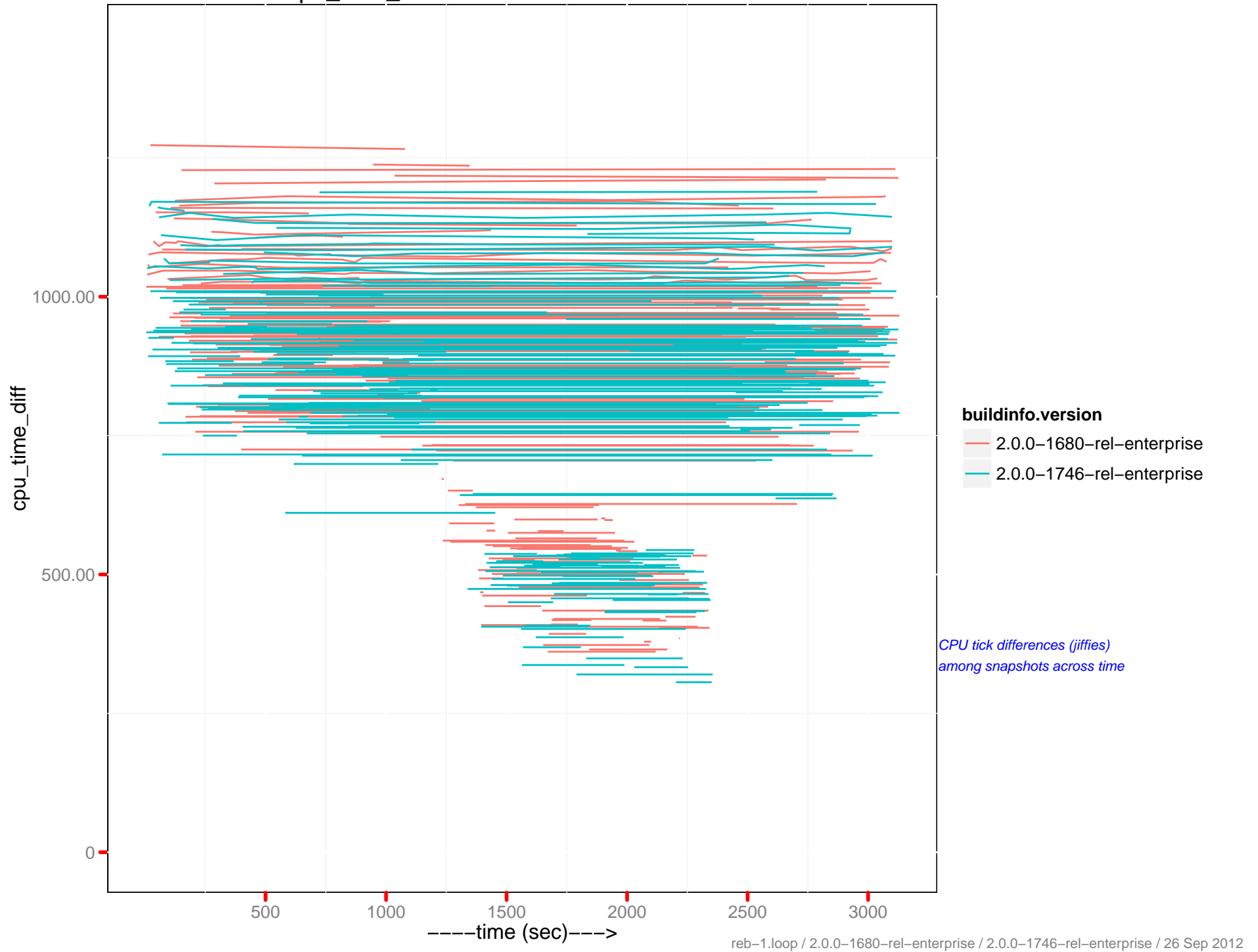
# SWAP Usage – 192.168.0.22:8091



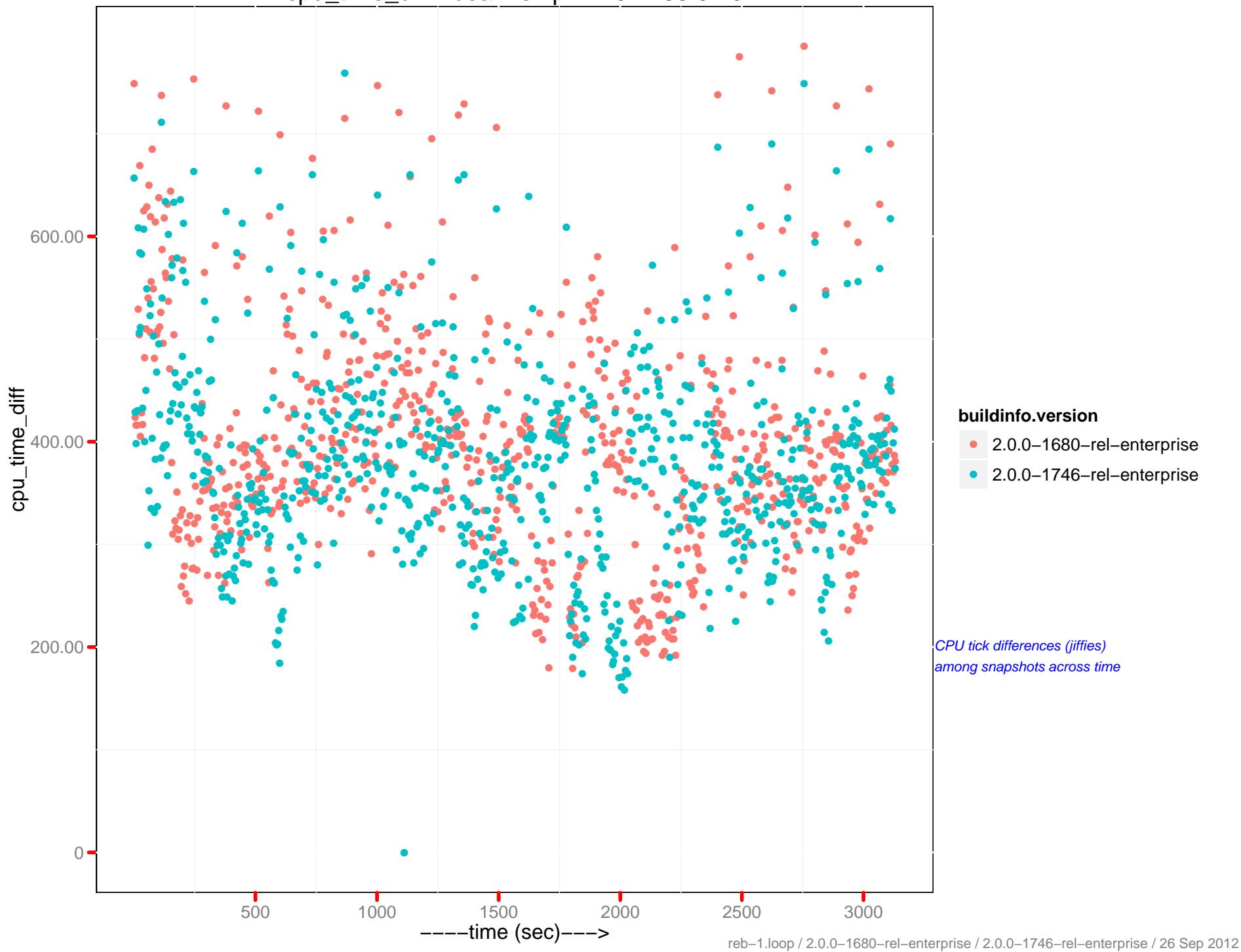
# SWAP Usage – 192.168.0.23:8091



# cpu\_time\_diff: memcached – 192.168.0.20

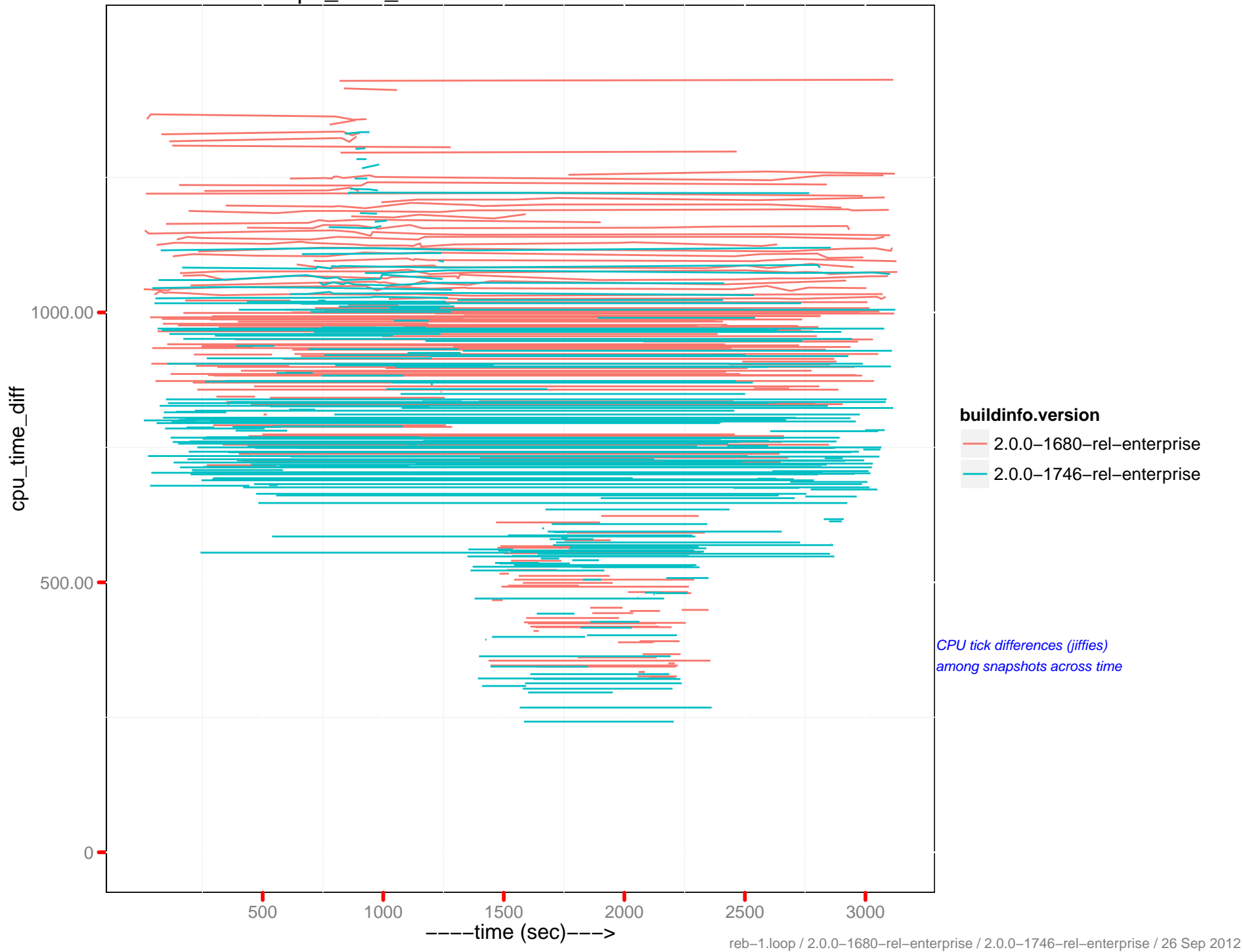


cpu\_time\_diff : beam.smp - 192.168.0.20

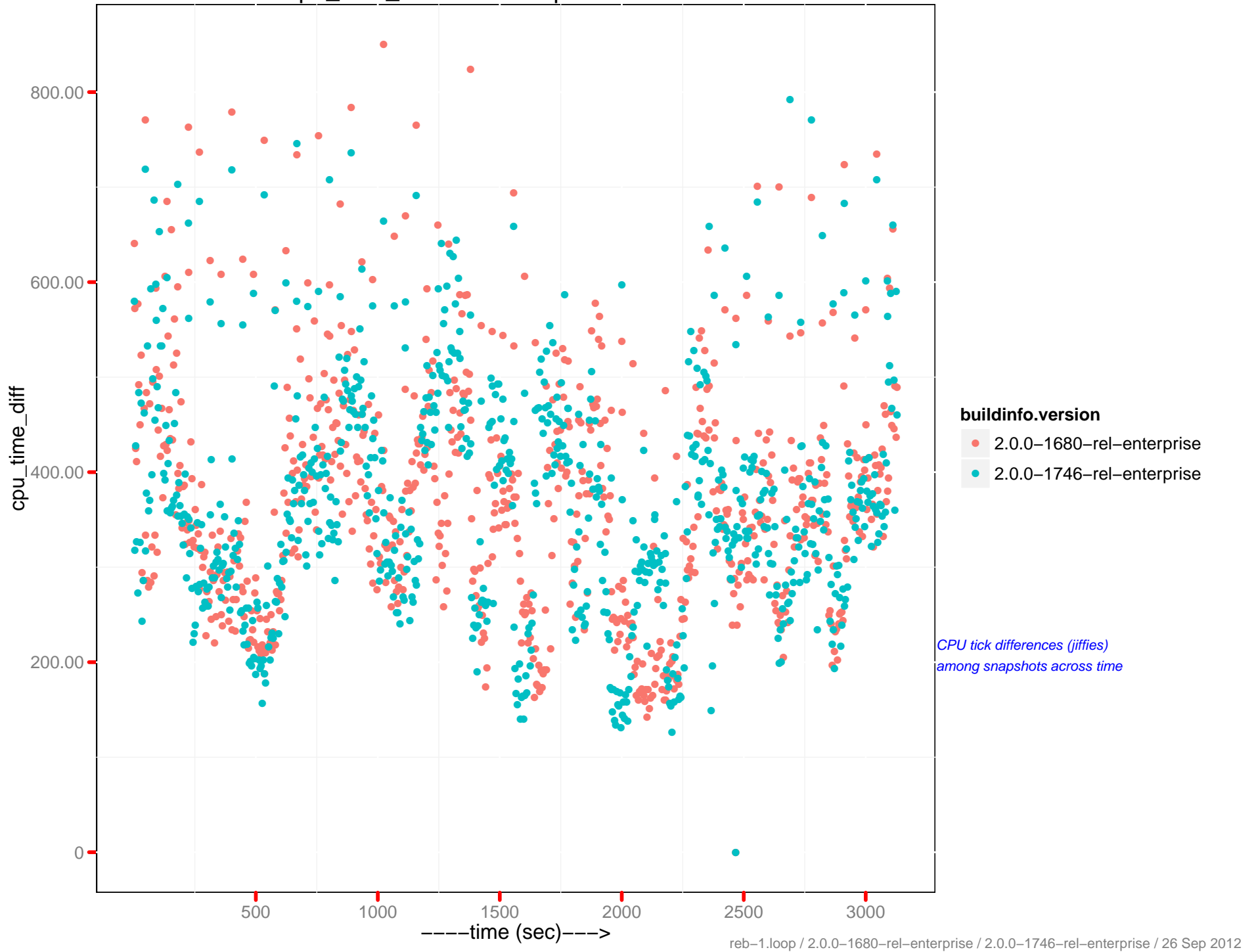




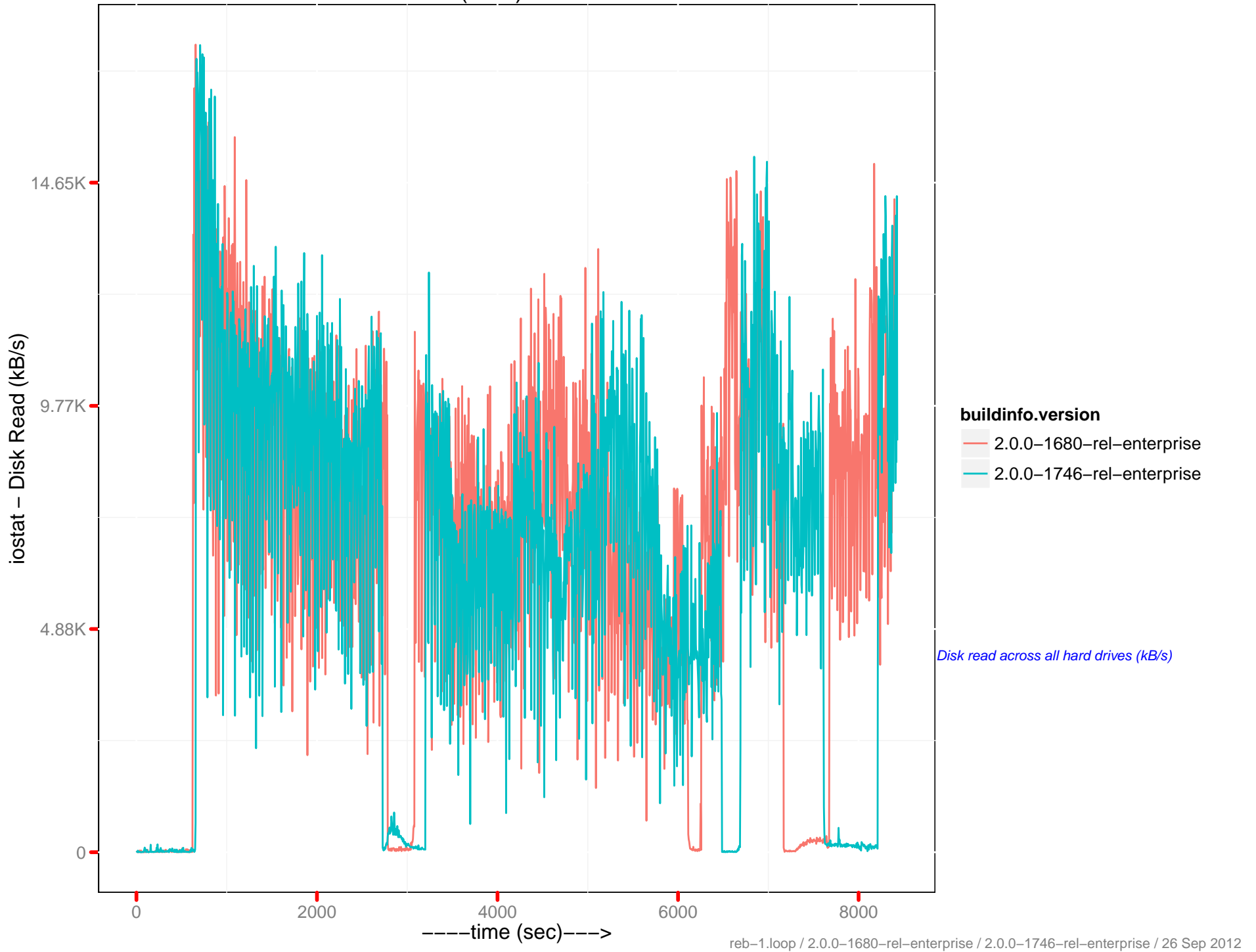
# cpu\_time\_diff: memcached - 192.168.0.22



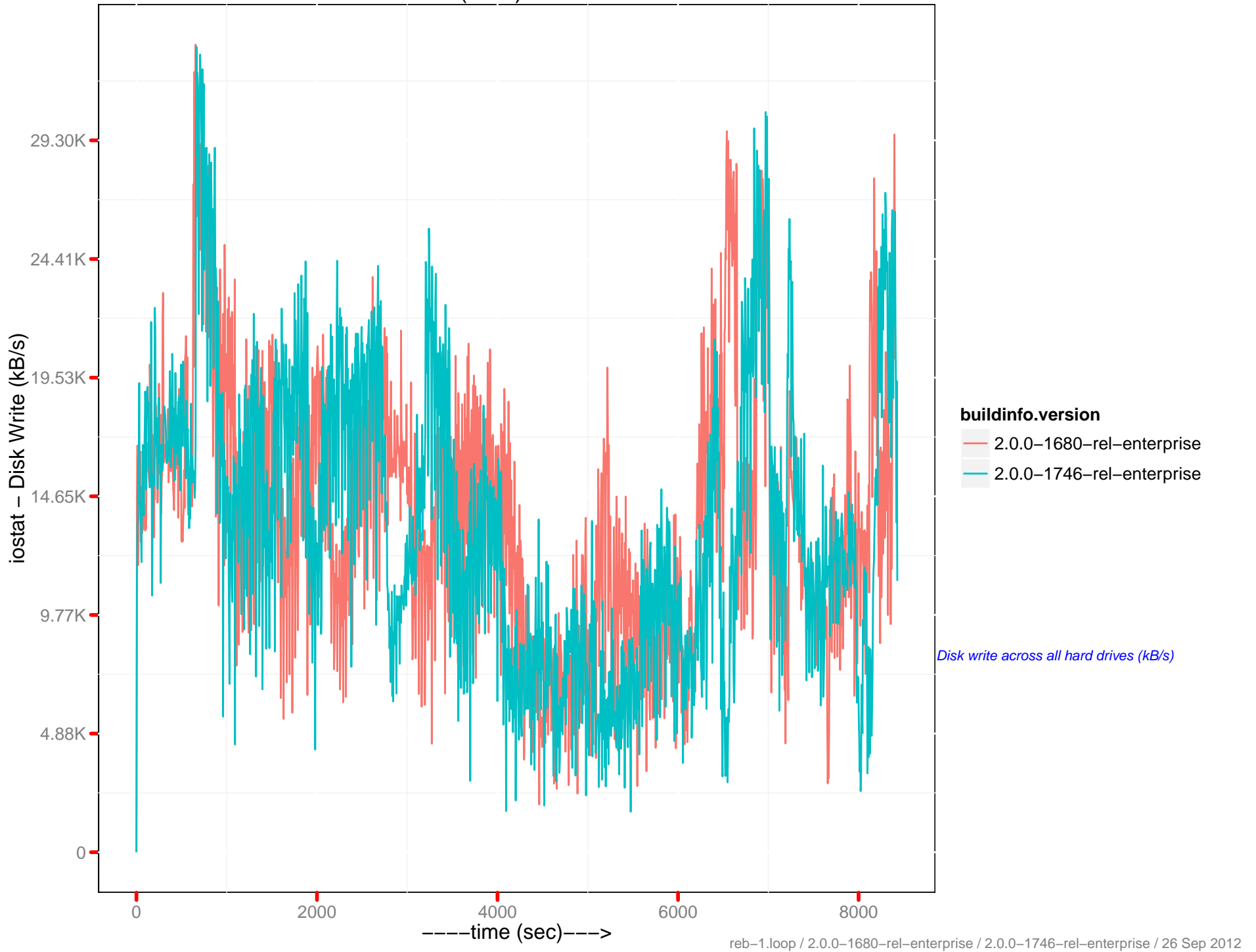
cpu\_time\_diff : beam.smp - 192.168.0.22



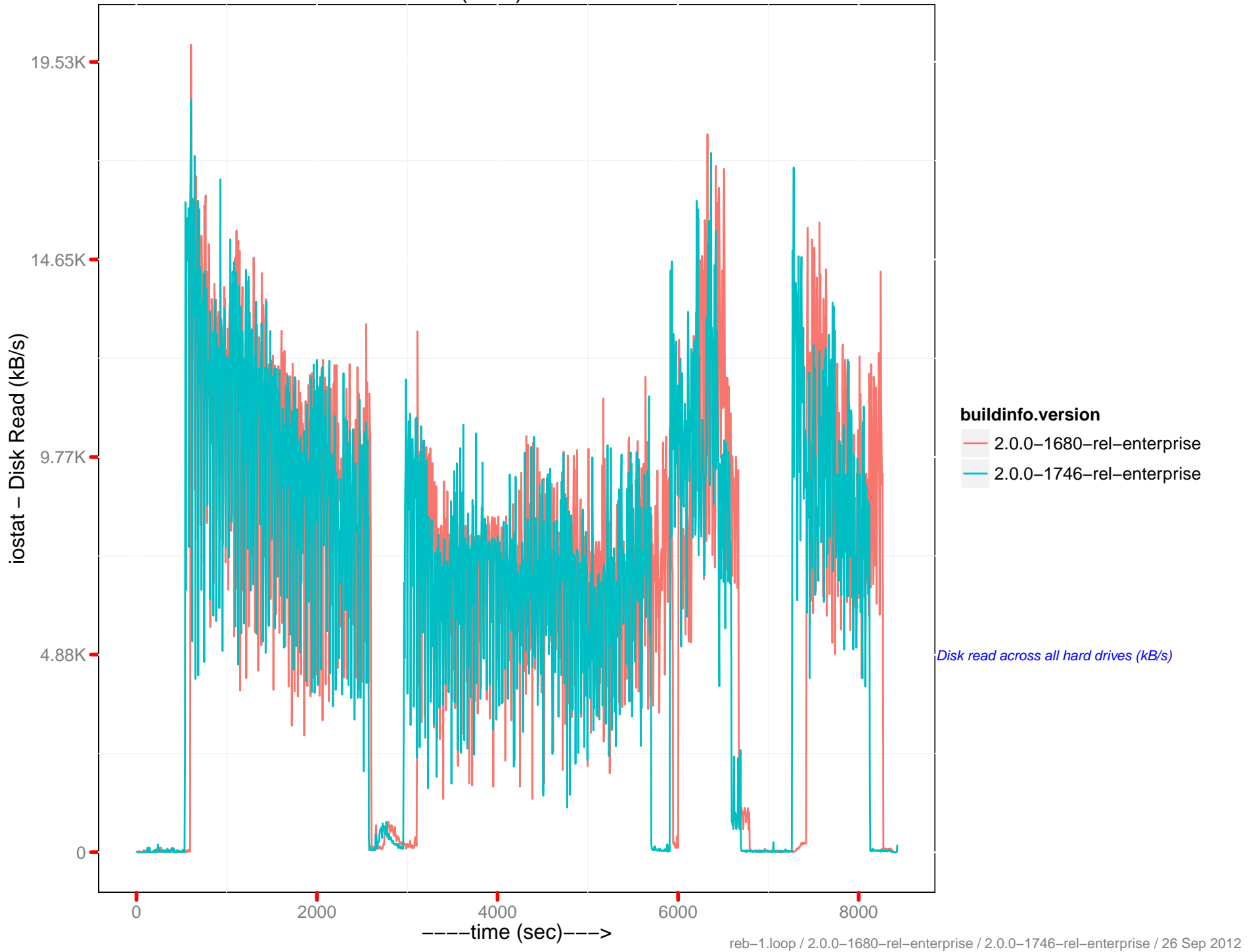
# Disk Read (kB/s) : 192.168.0.20



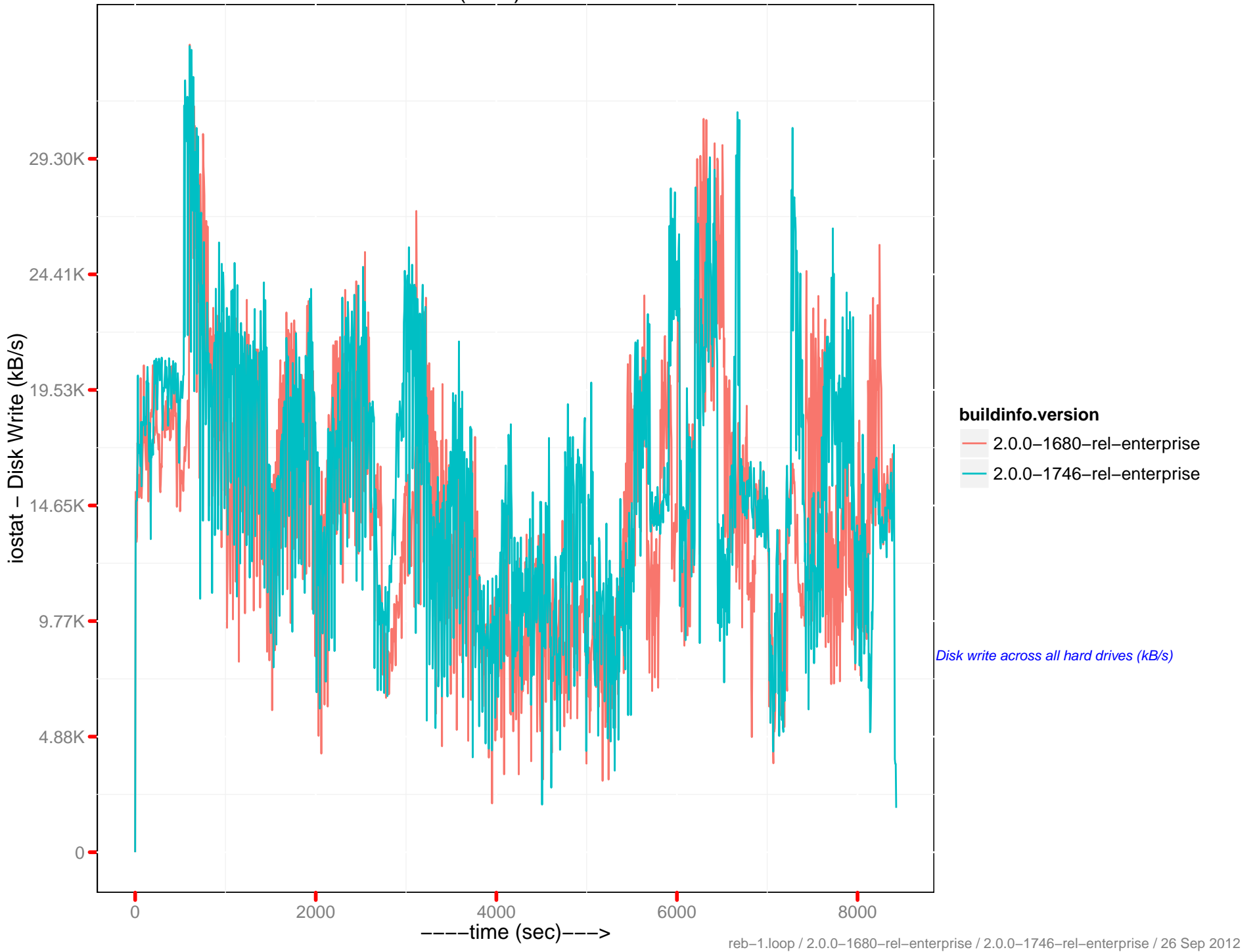
# Disk Write (kB/s) : 192.168.0.20



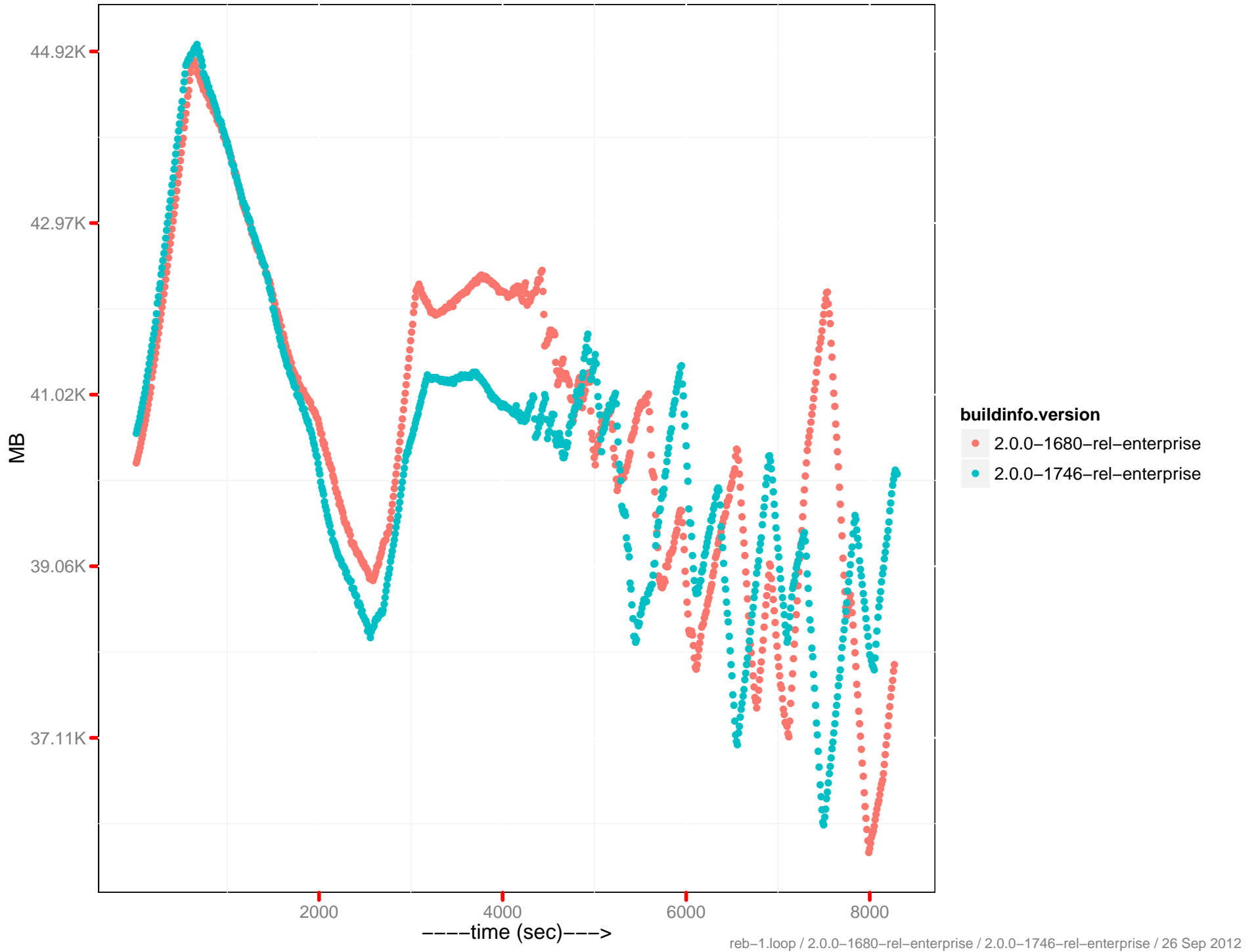
Disk Read (kB/s) : 192.168.0.22



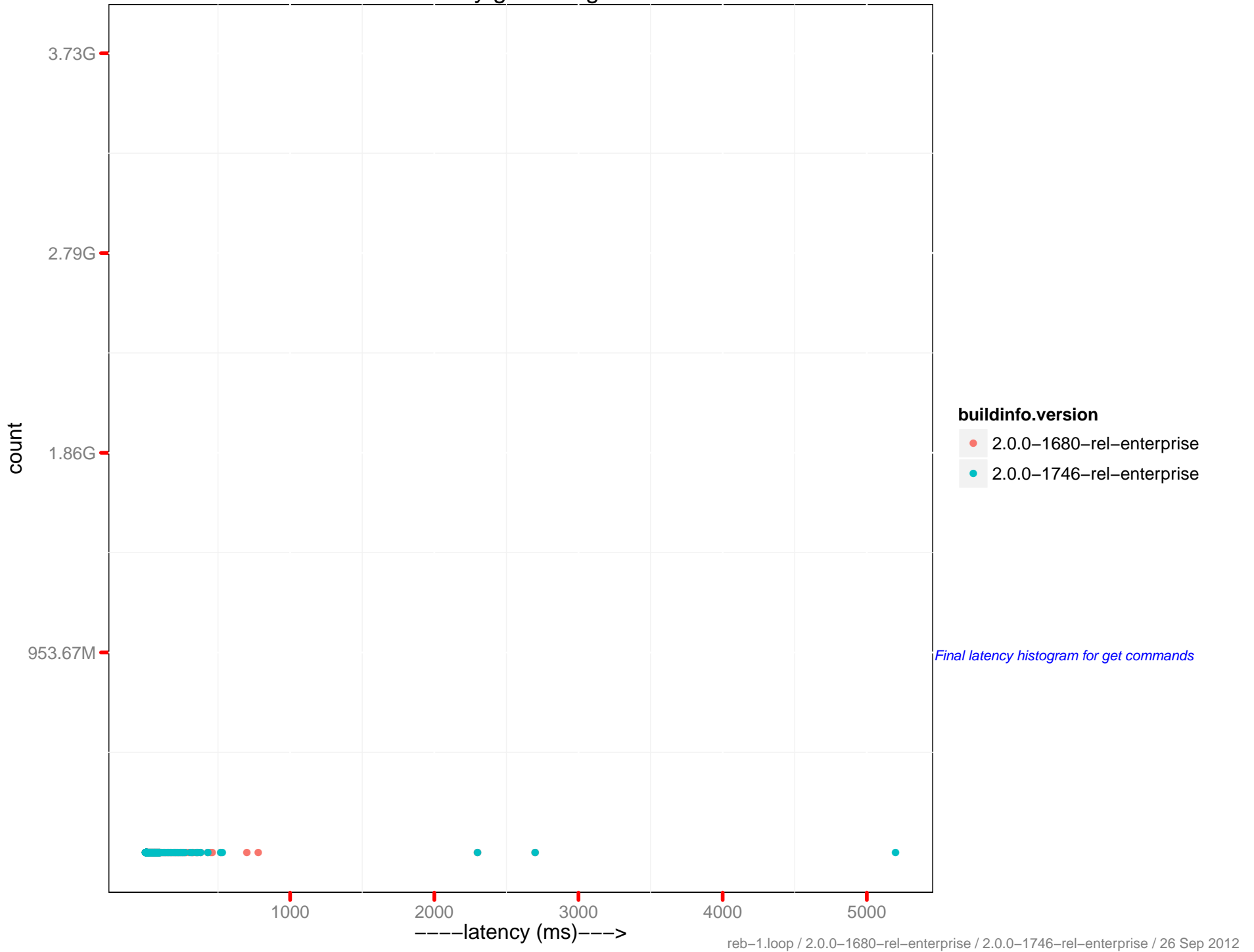
# Disk Write (kB/s) : 192.168.0.22



# Data disk size

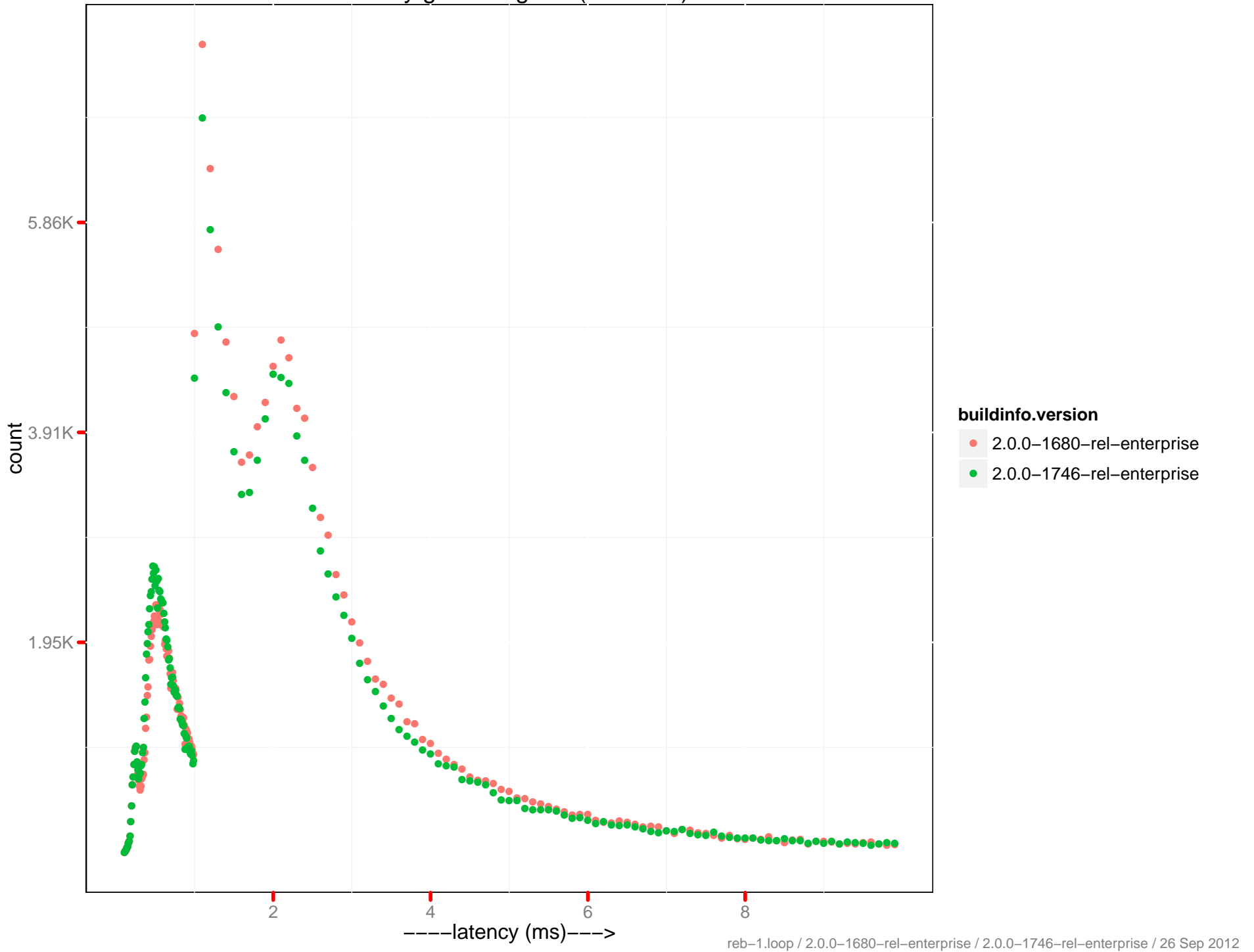


Latency get histogram

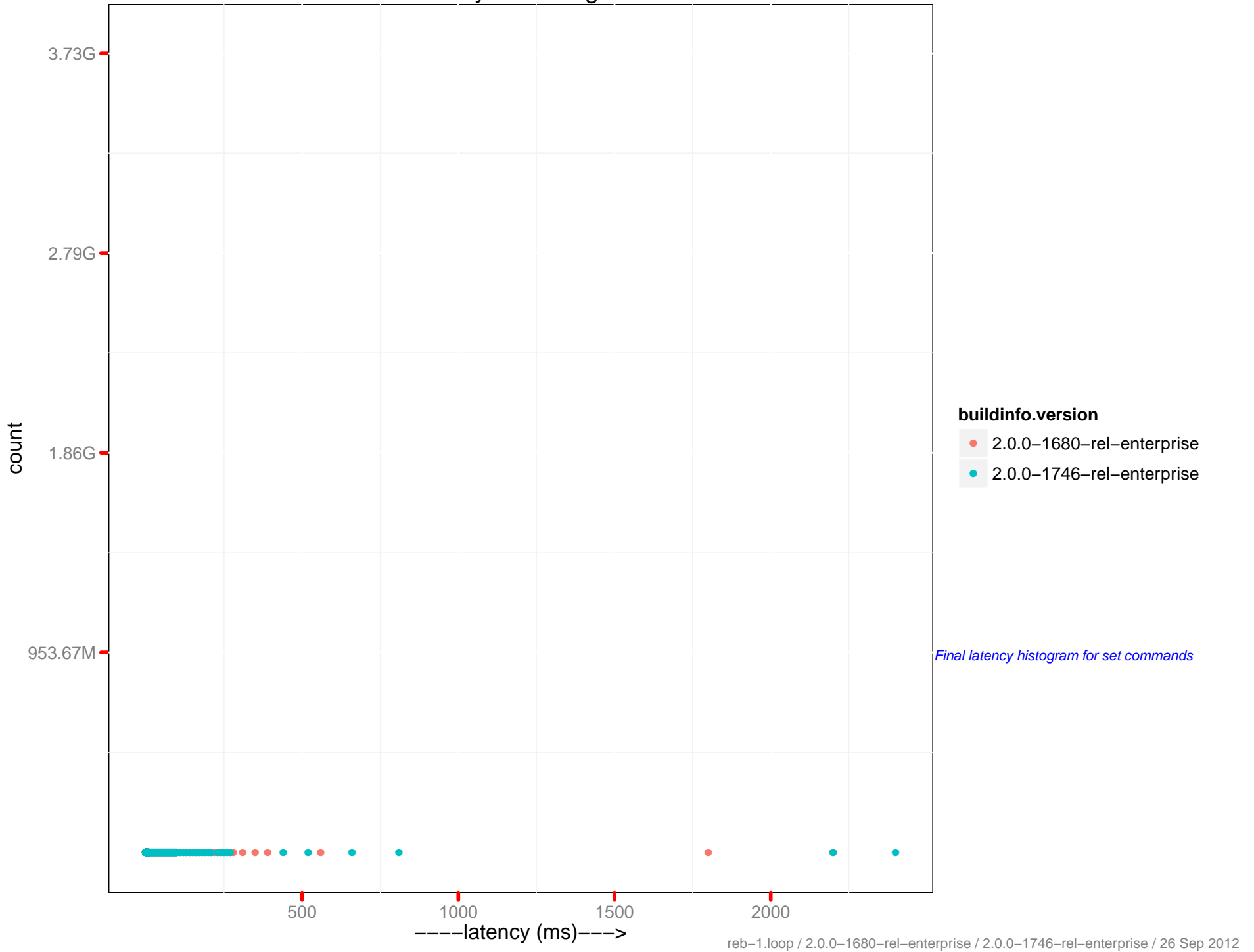




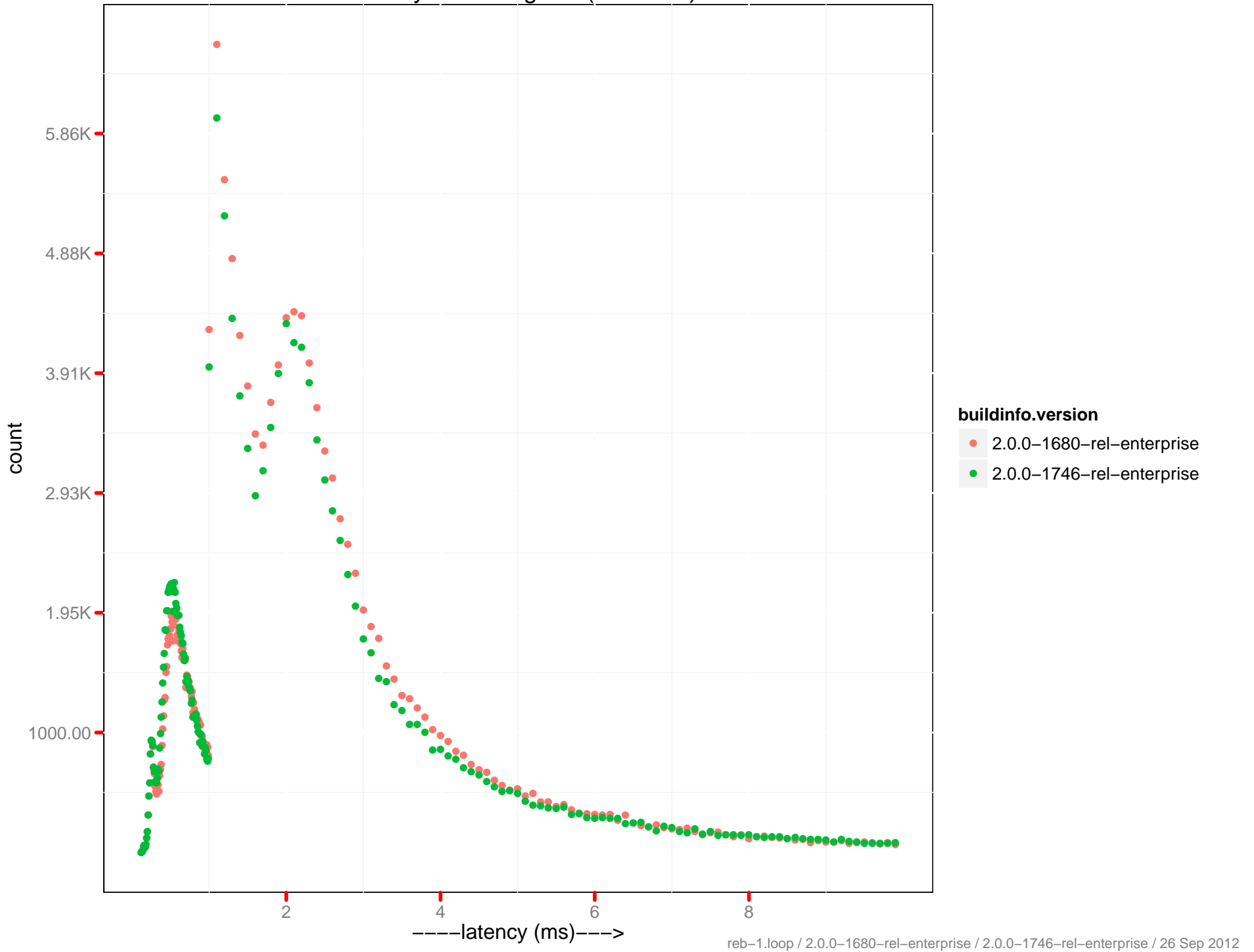
Latency get histogram (0–10 ms)



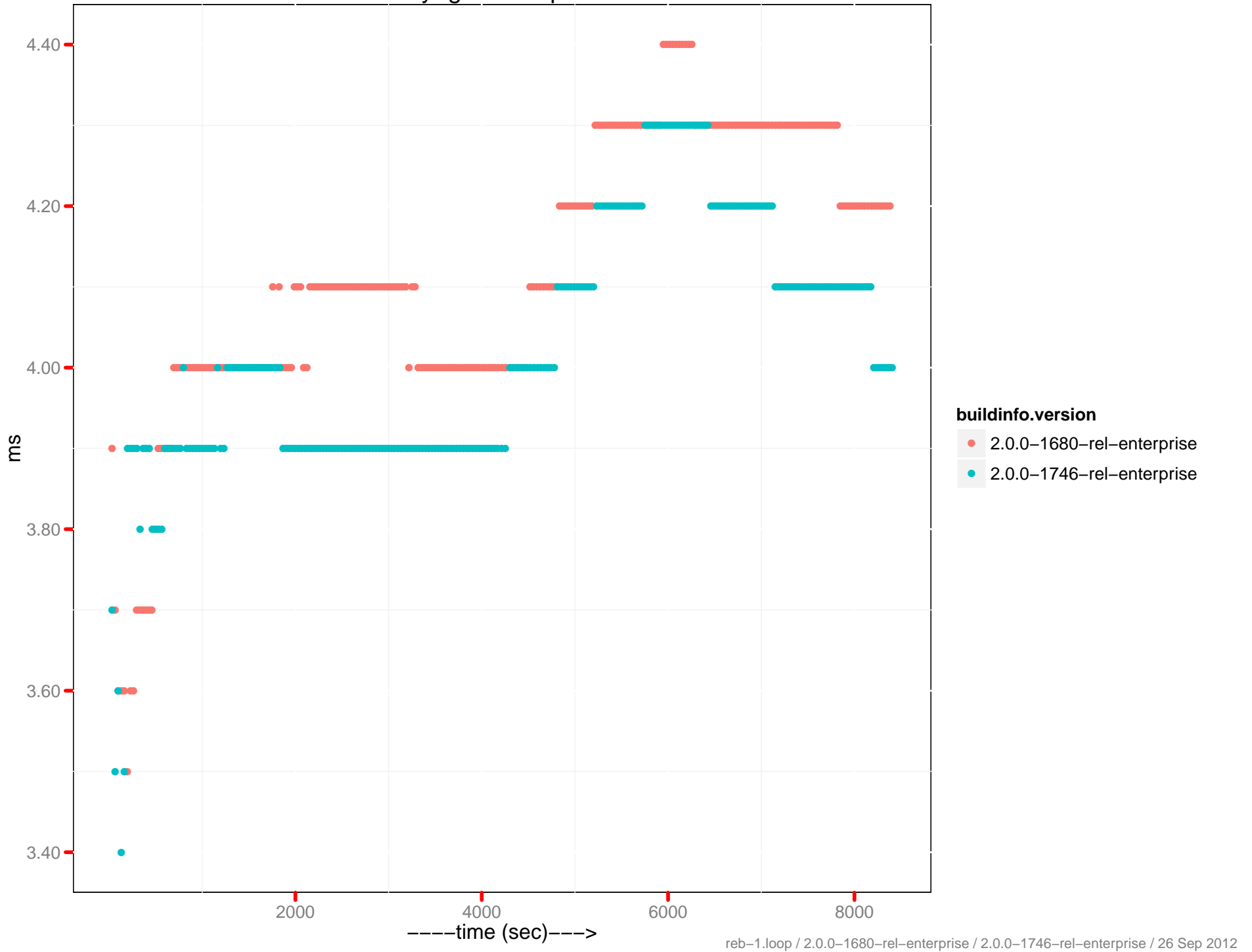
# Latency set histogram



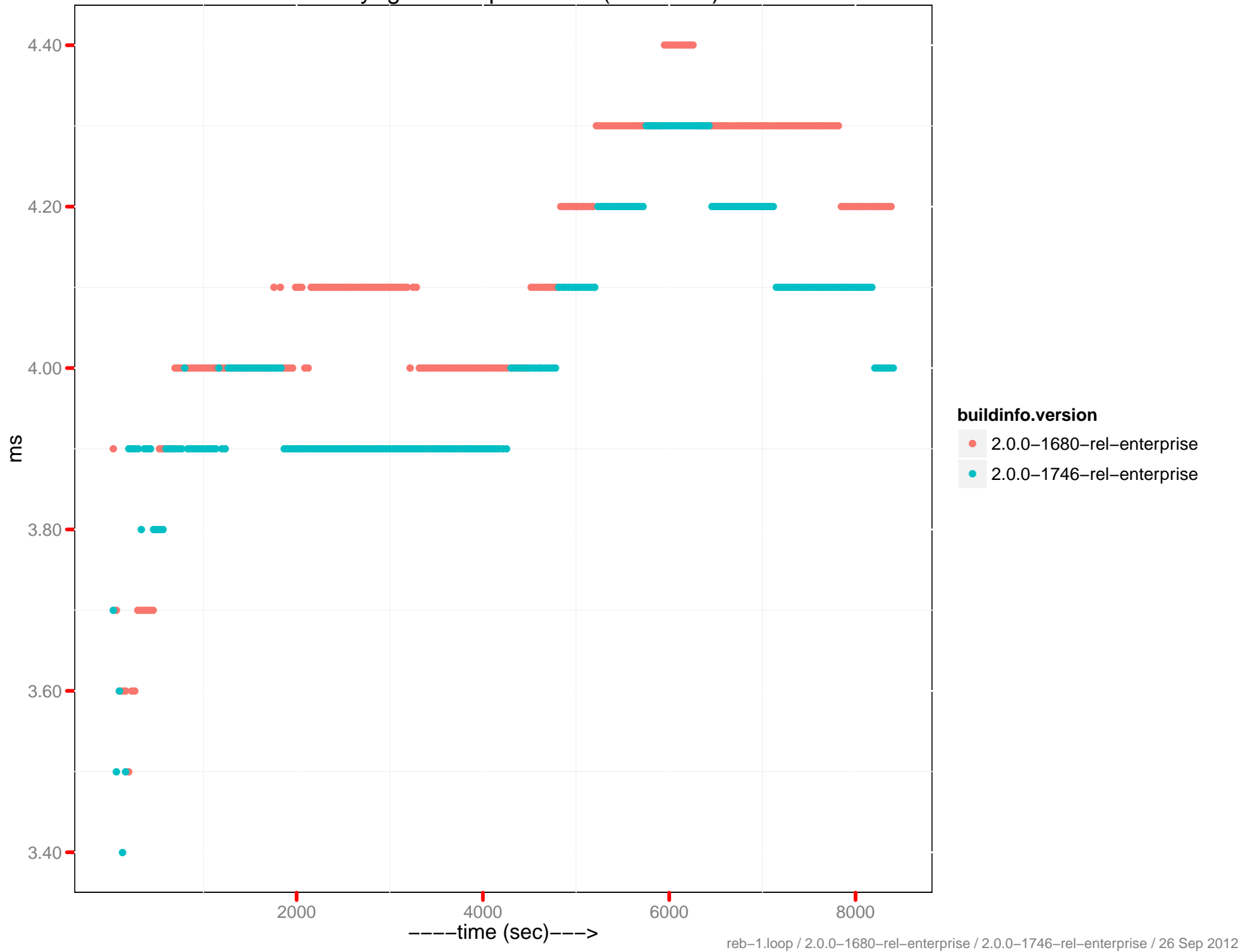
Latency set histogram (0–10 ms)



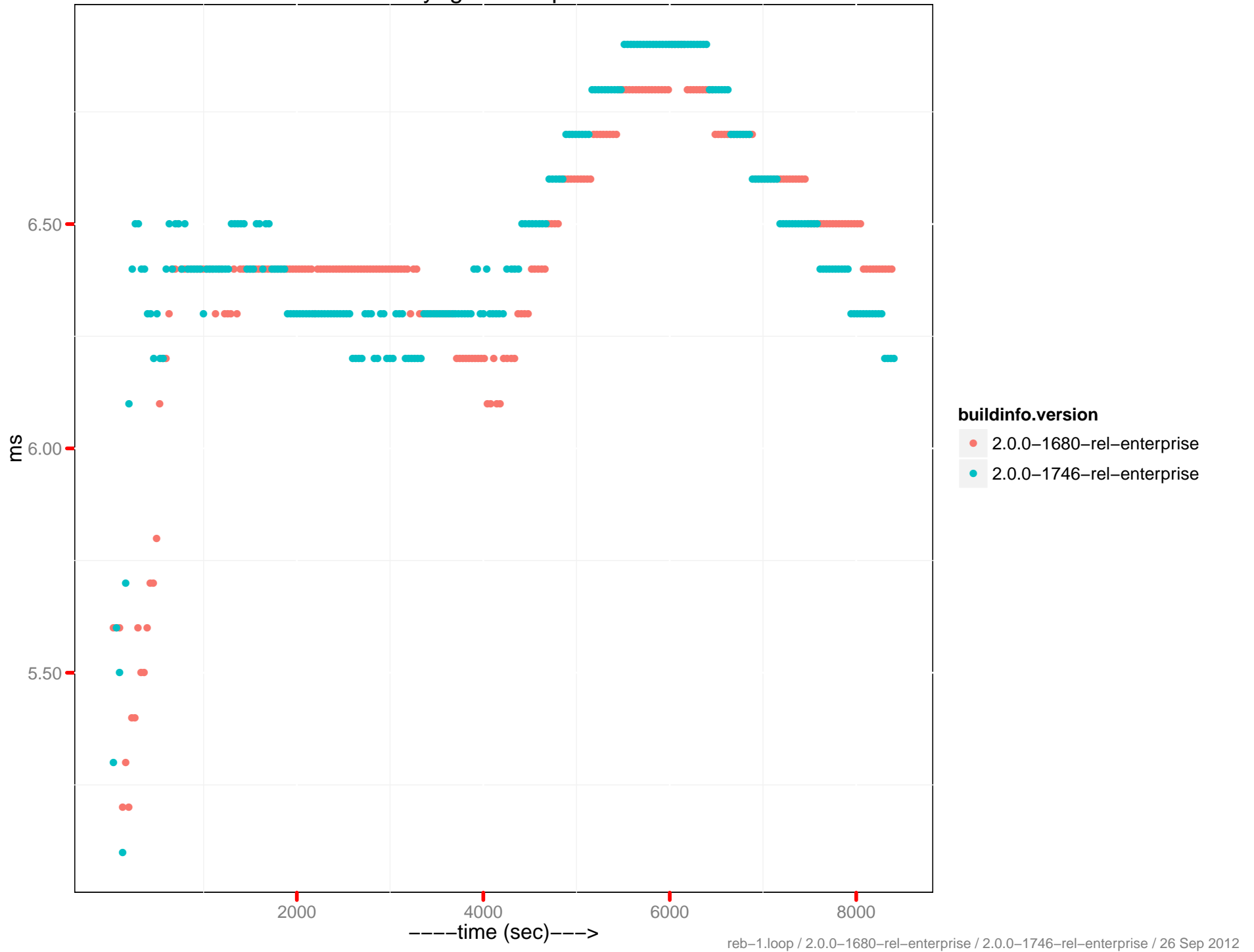
# Latency-get 90th percentile



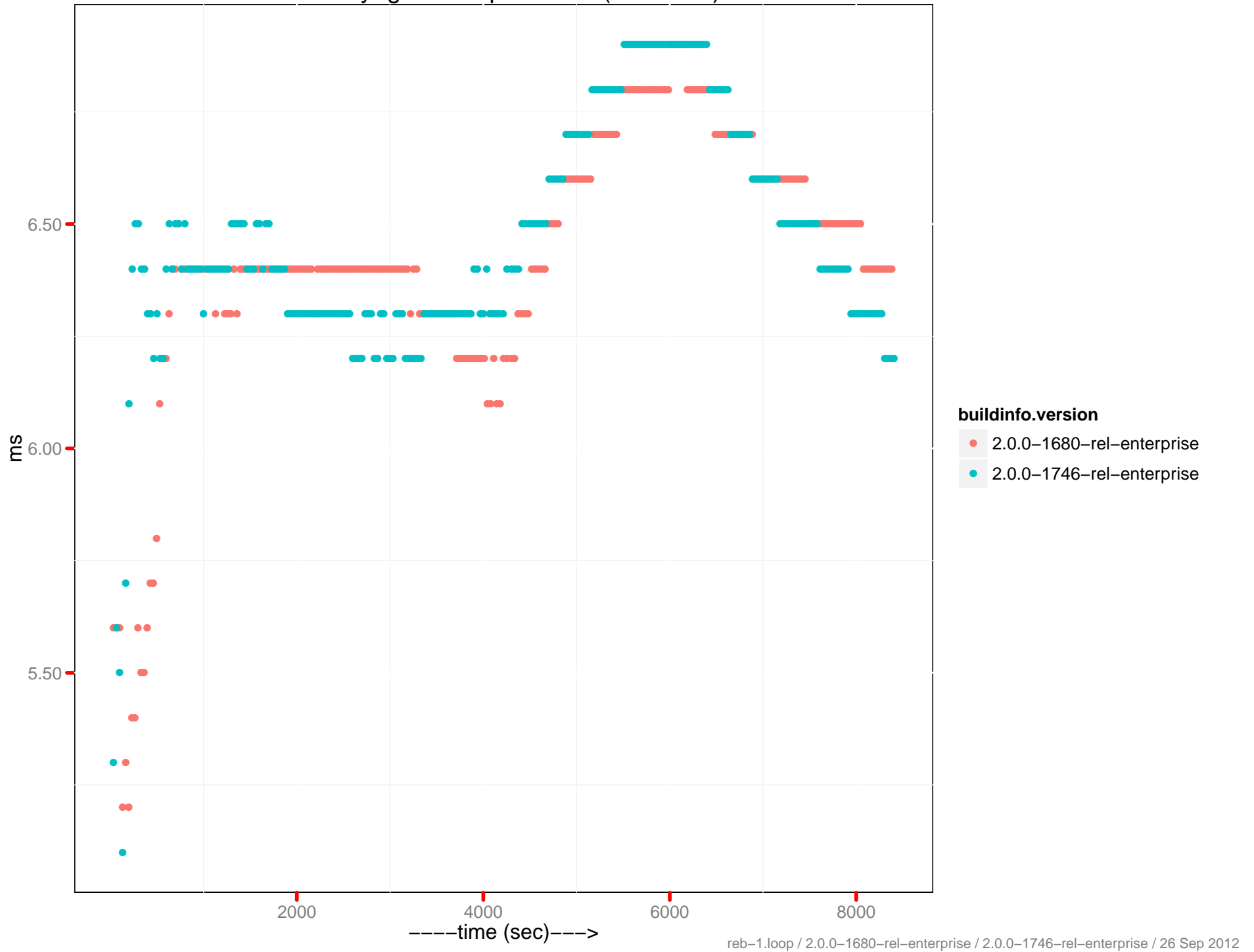
# Latency-get 90th percentile (0 - 10ms)



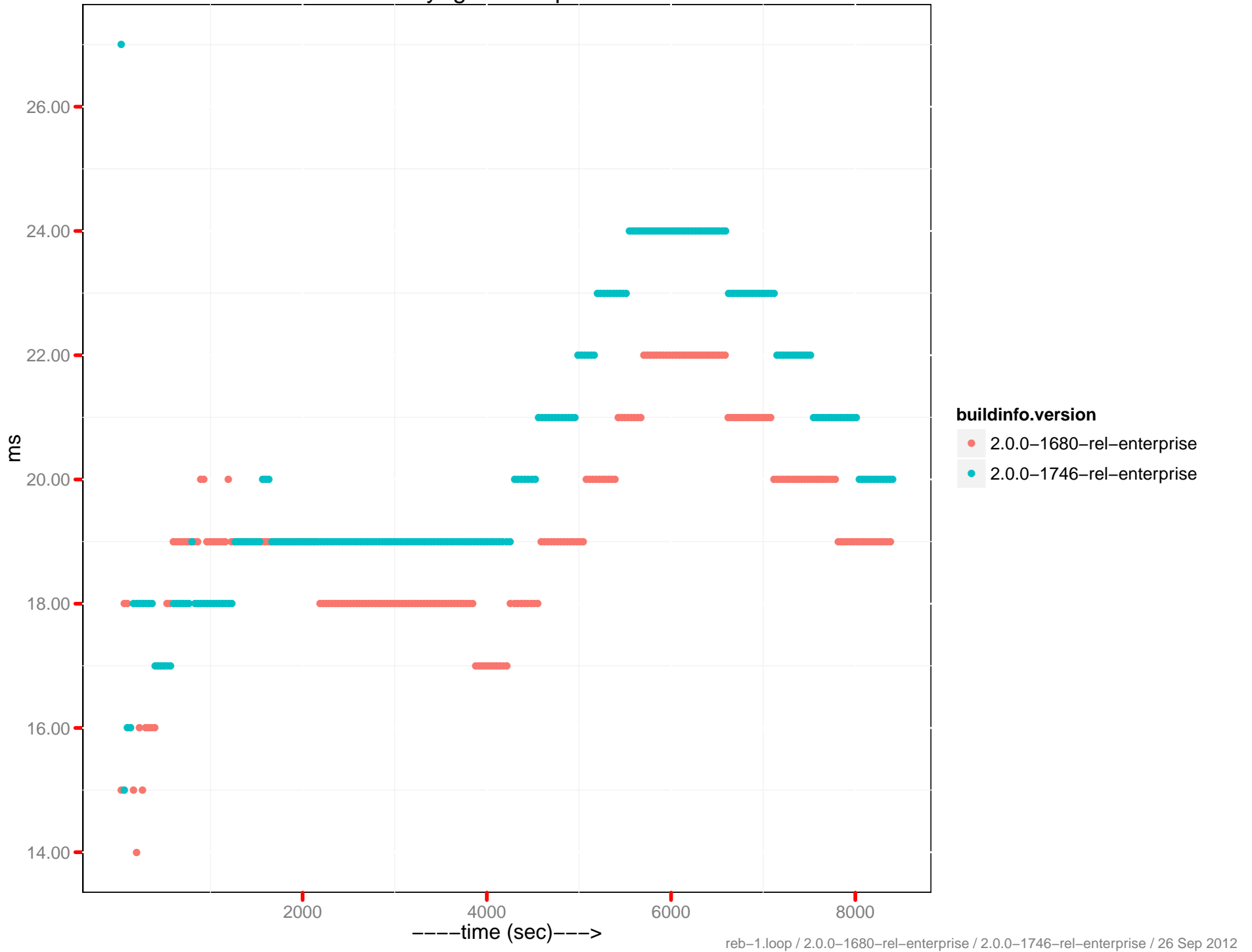
# Latency-get 95th percentile



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

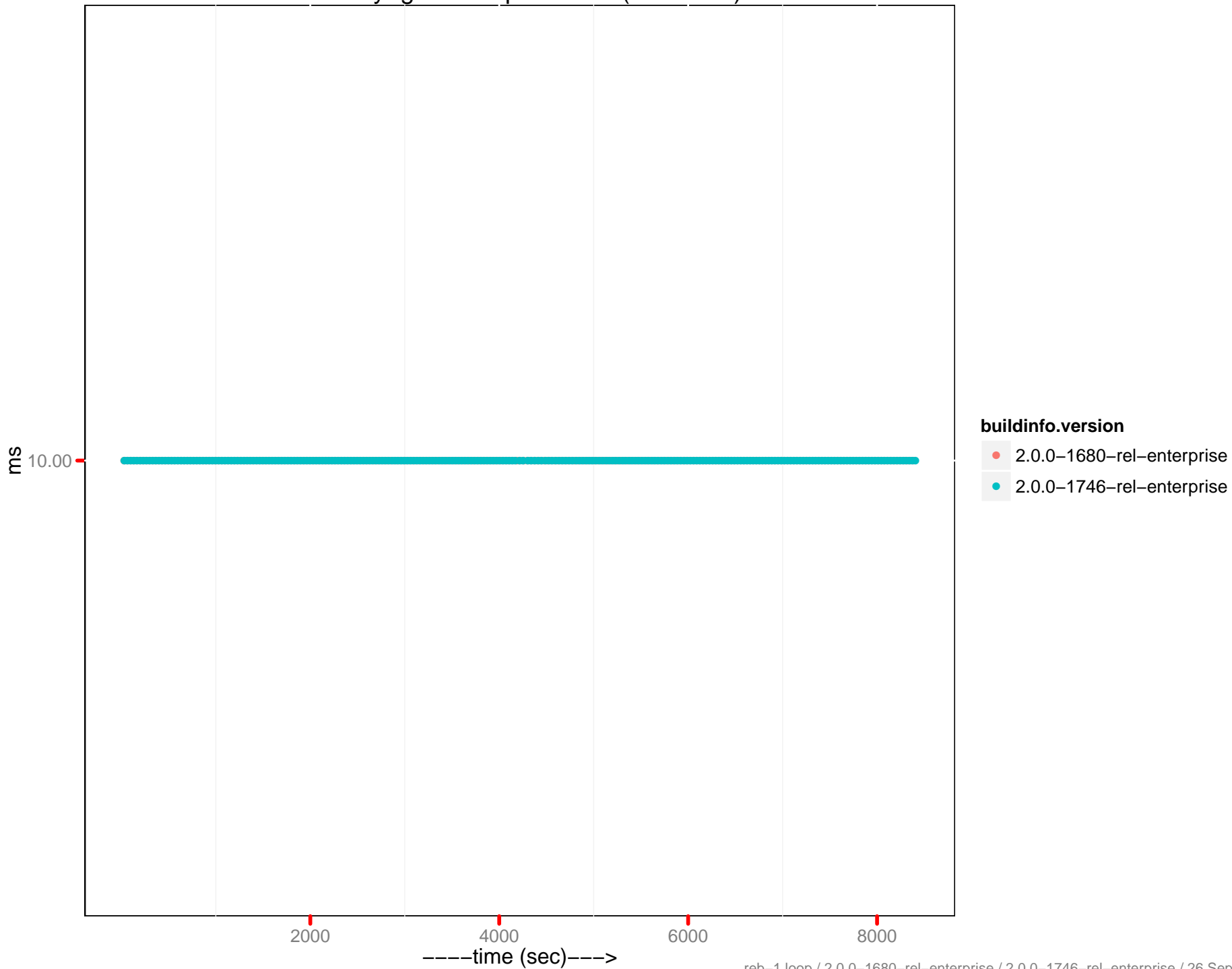


# Latency-get 99th percentile

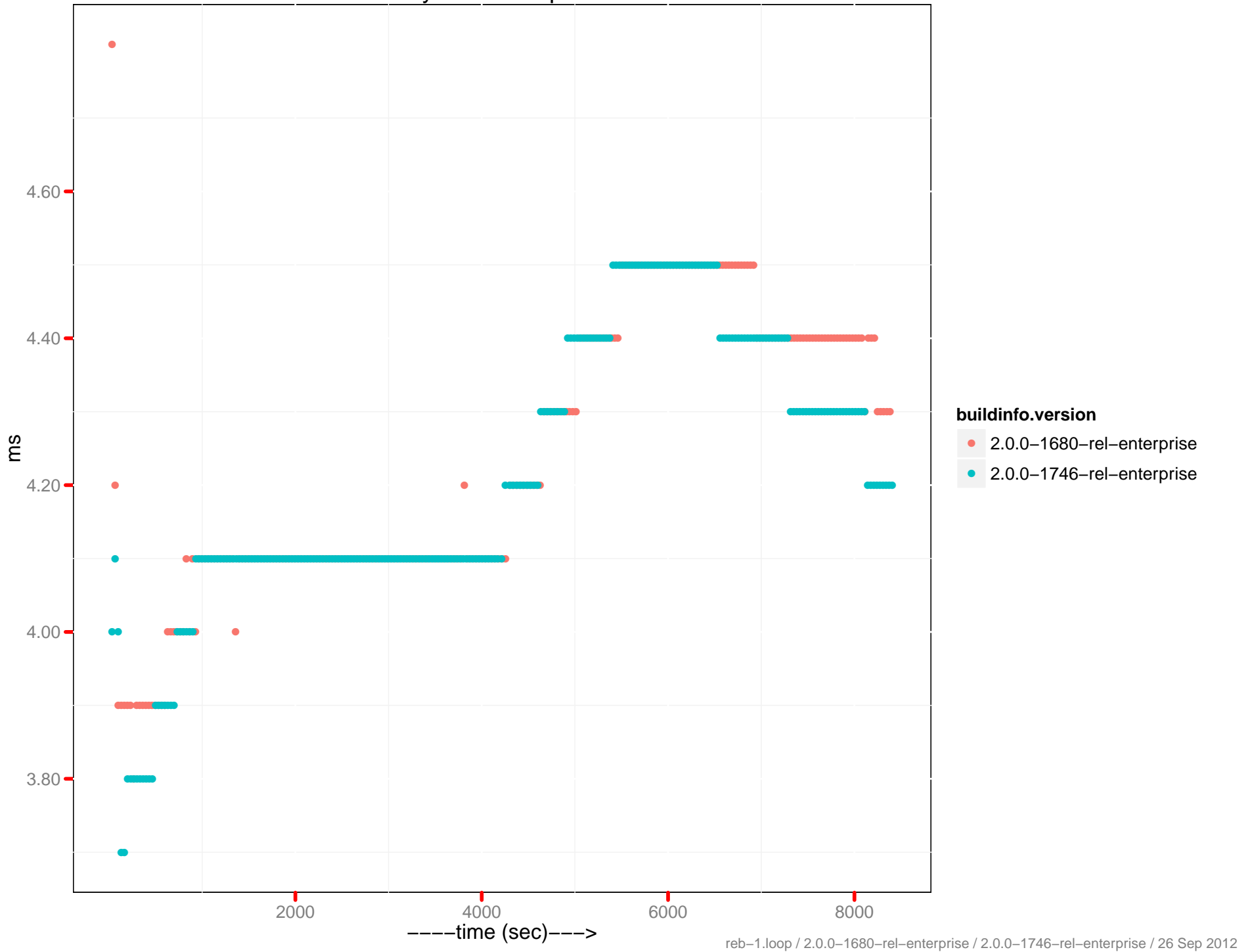




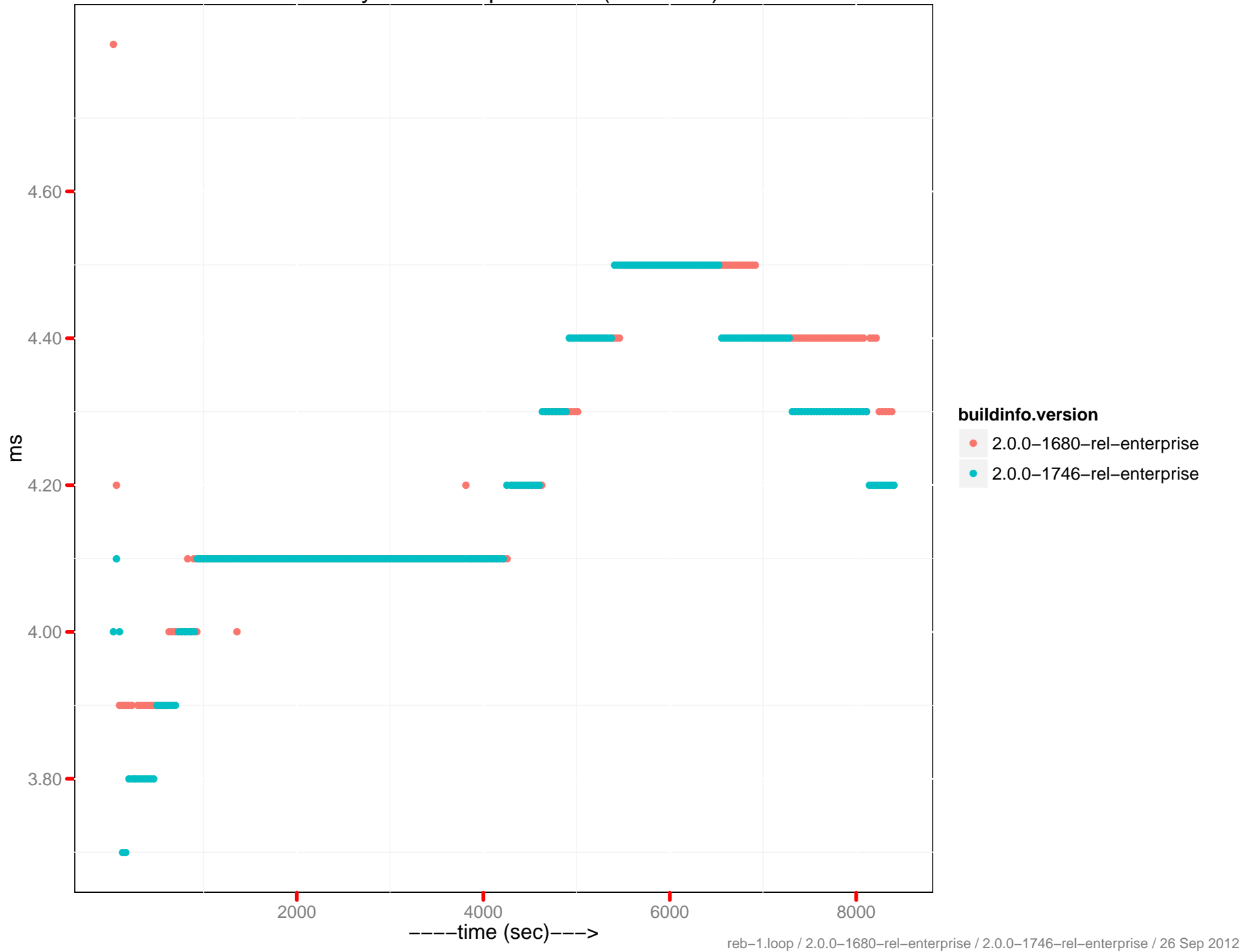
# Latency-get 99th percentile (0 - 10ms)



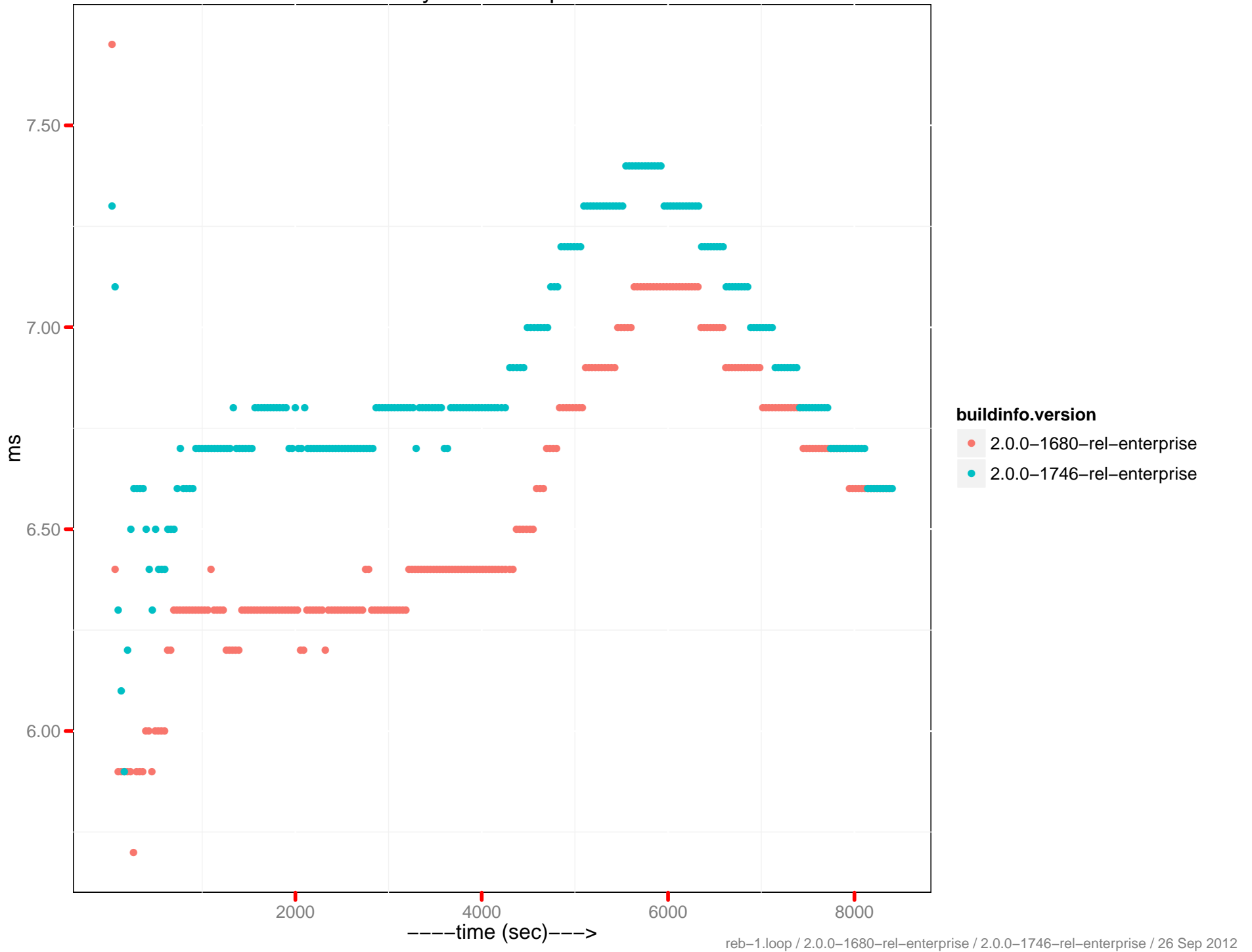
Latency-set 90th percentile



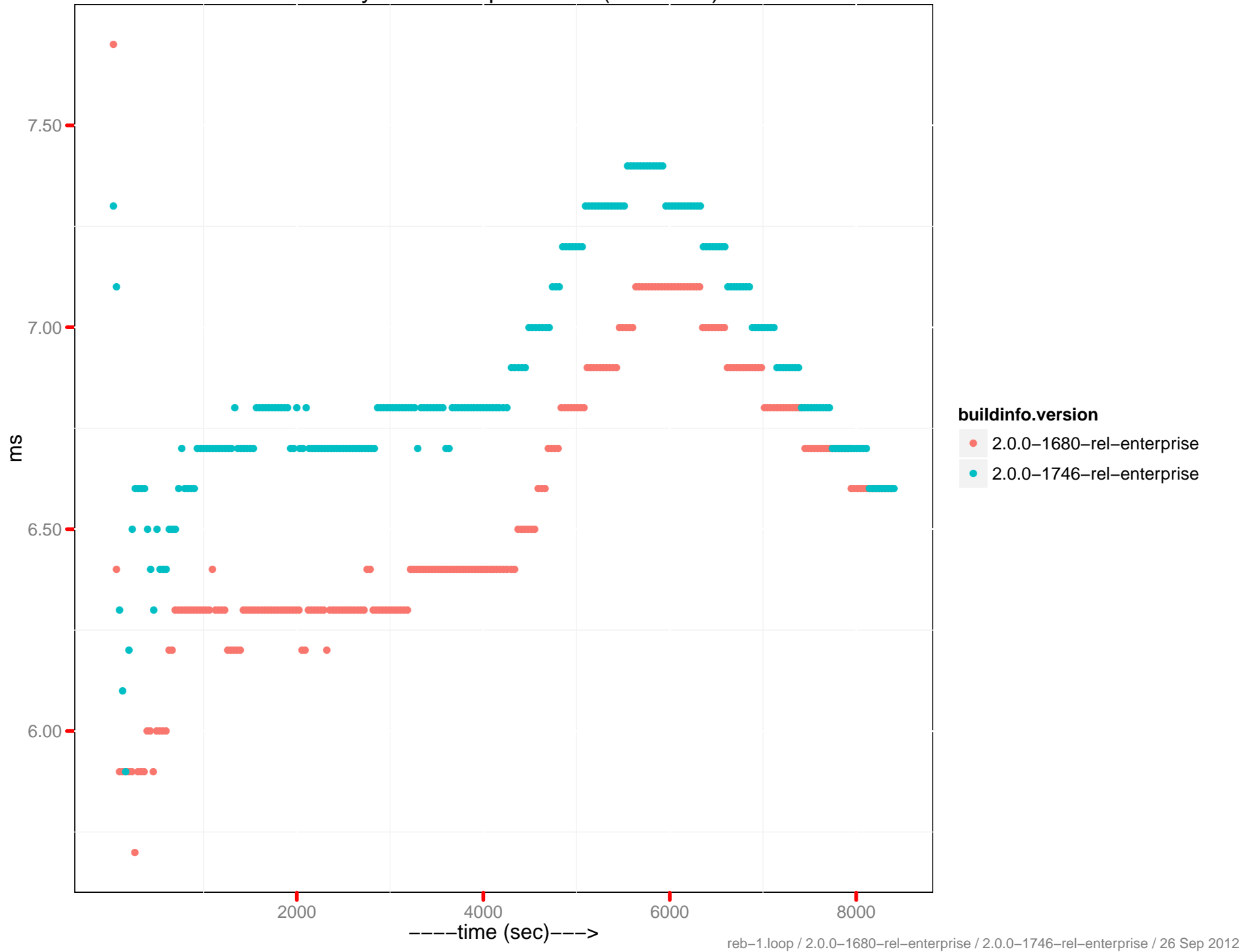
Latency-set 90th percentile (0 - 10ms)



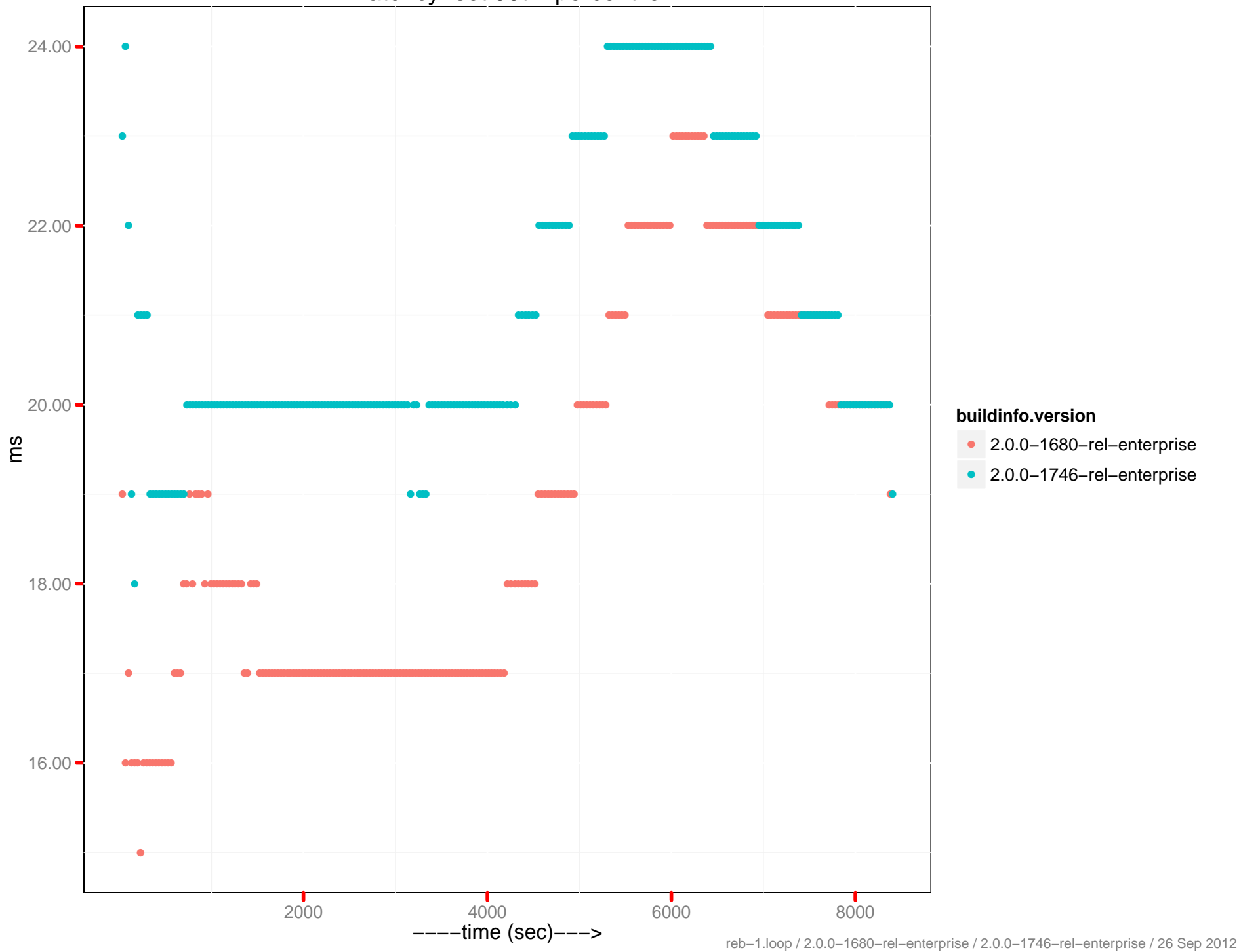
Latency-set 95th percentile



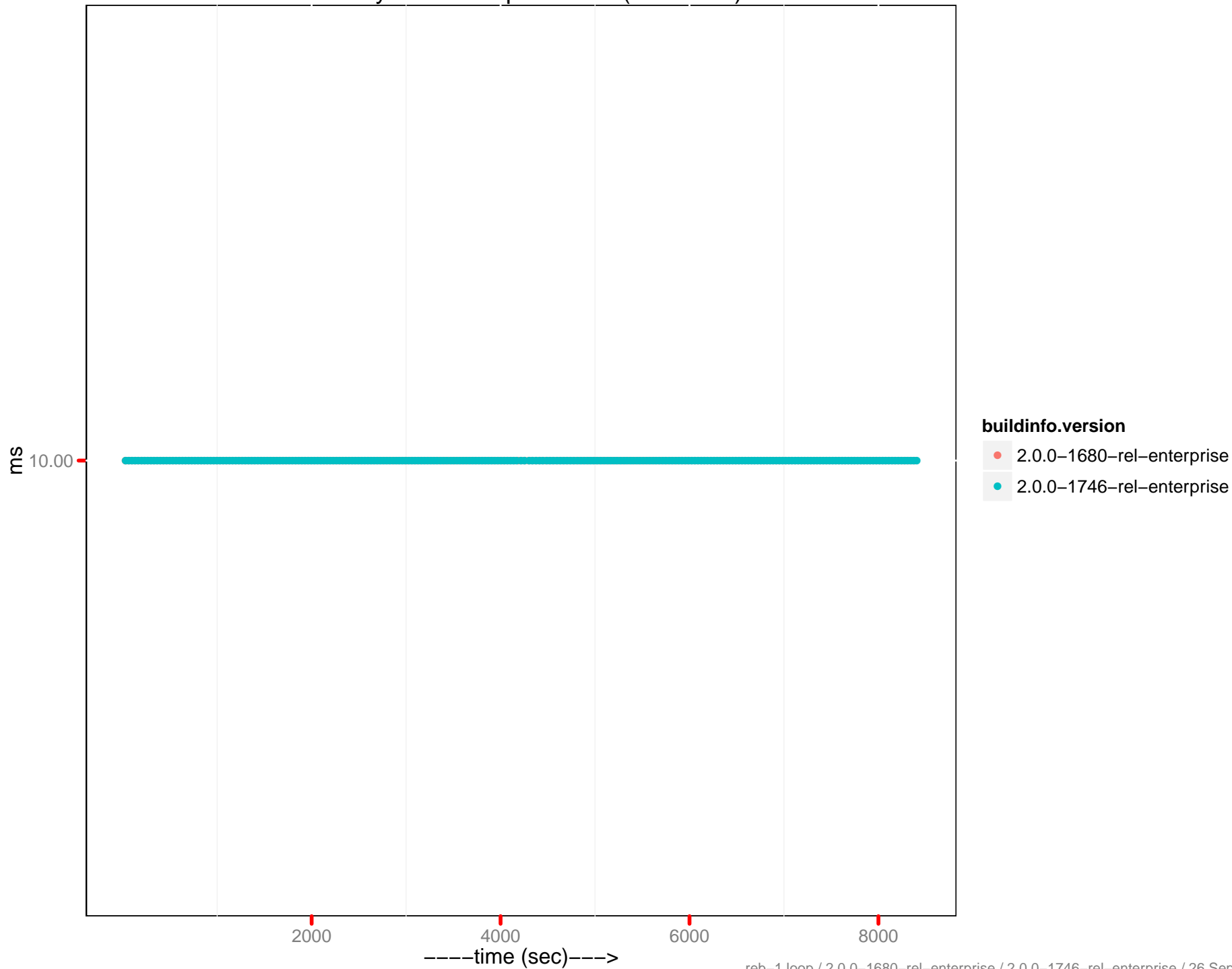
Latency-set 95th percentile (0 - 10ms)



# Latency-set 99th percentile

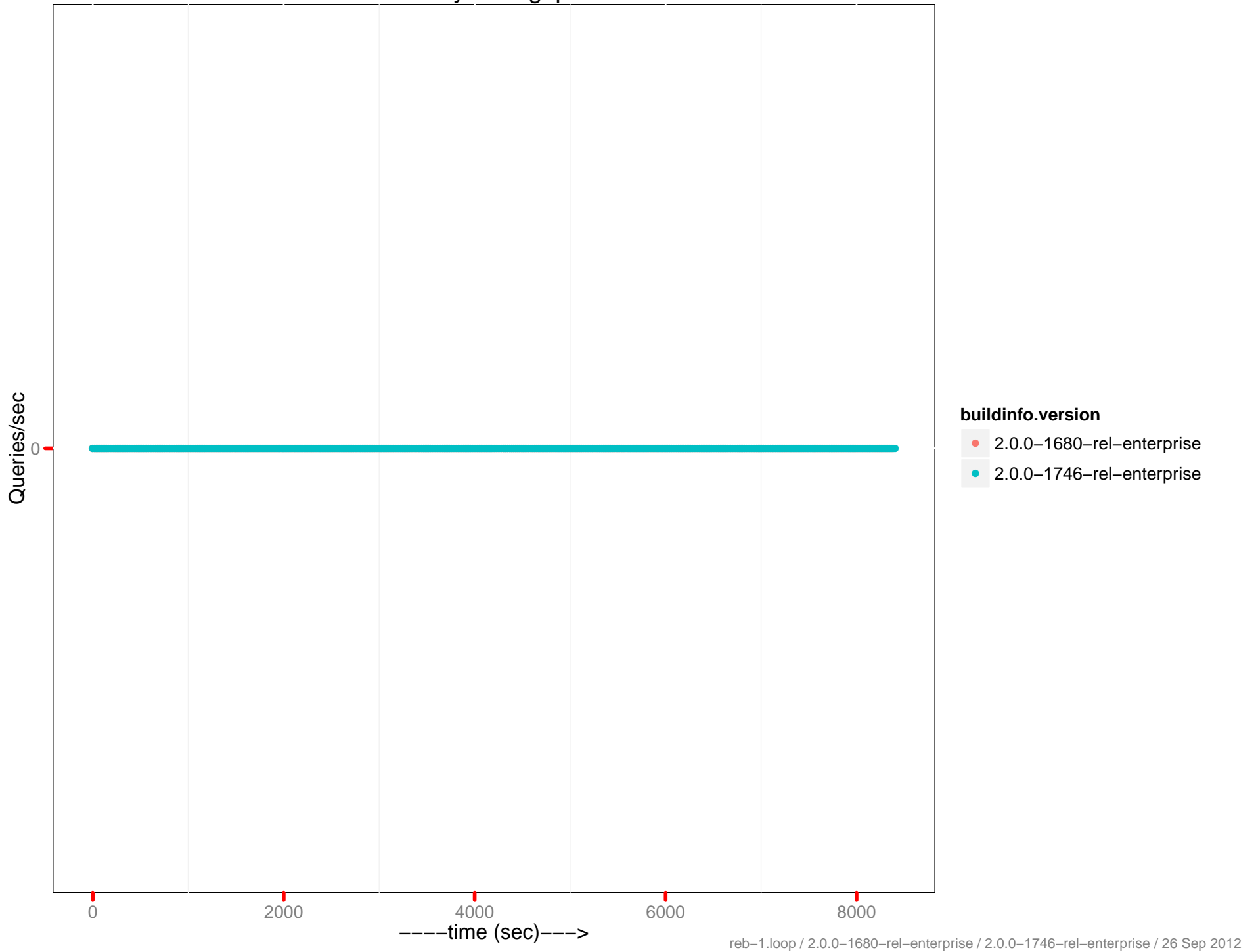


# Latency-set 99th percentile (0 - 10ms)



- buildinfo.version**
- 2.0.0-1680-rel-enterprise
  - 2.0.0-1746-rel-enterprise

# Query throughput





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