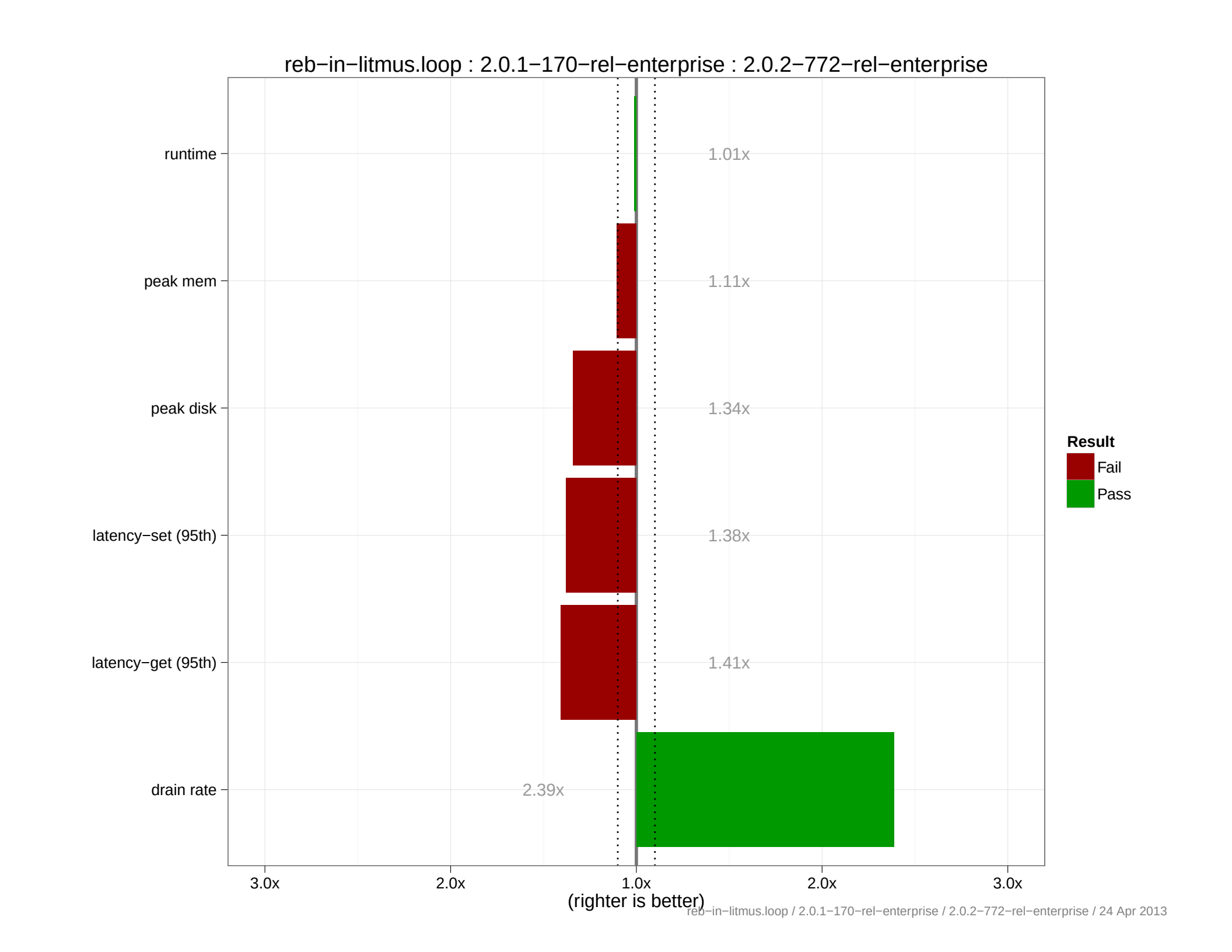
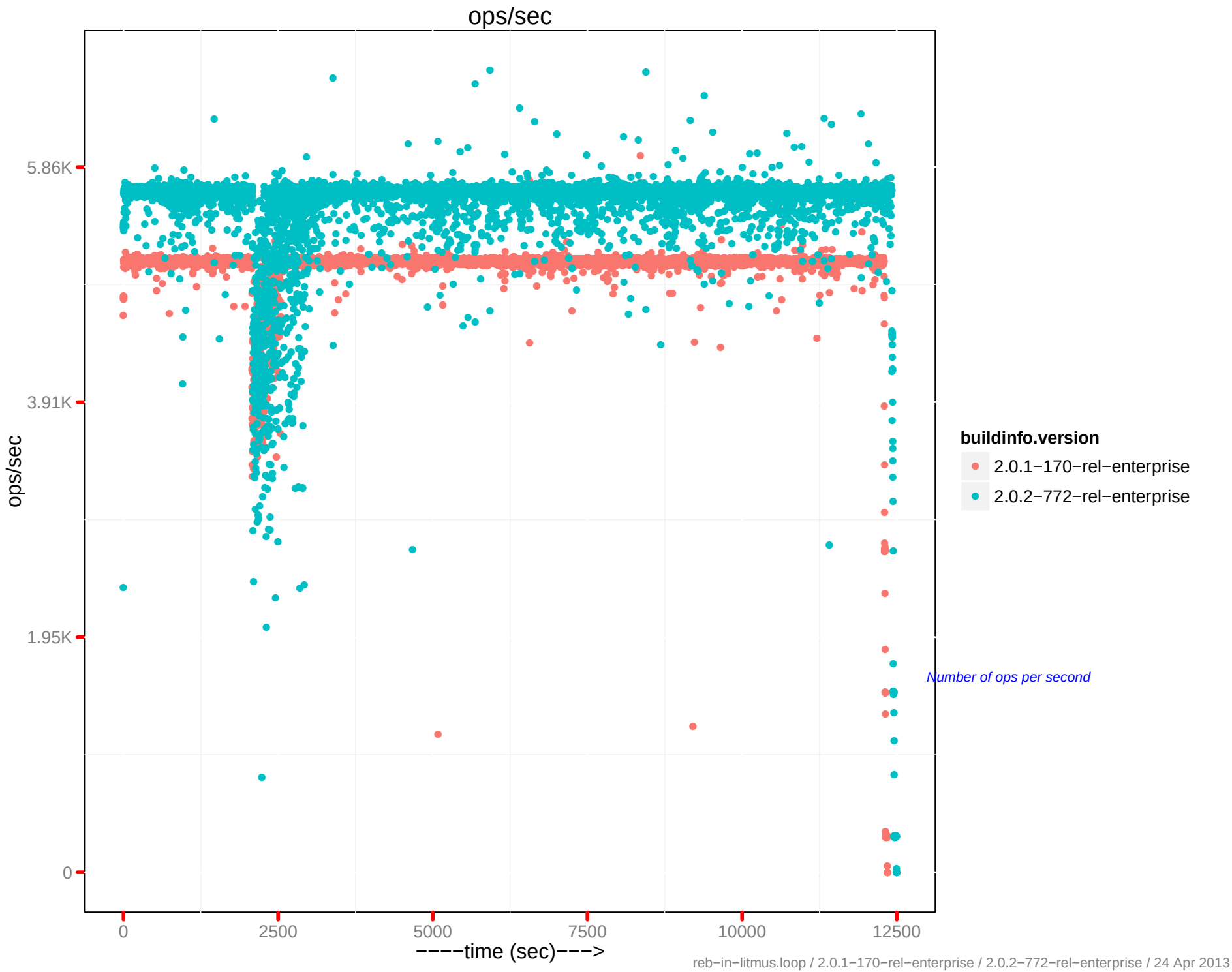
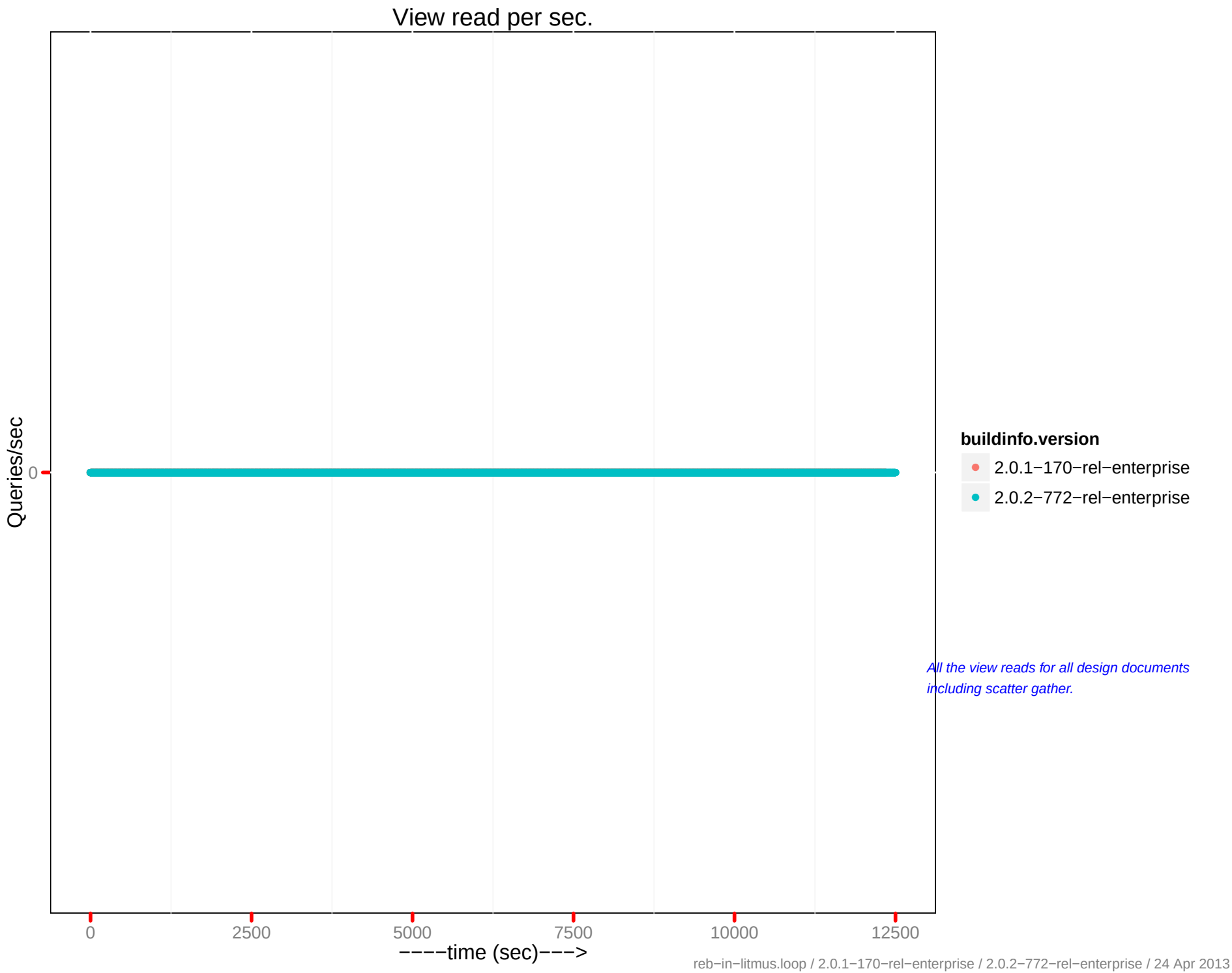
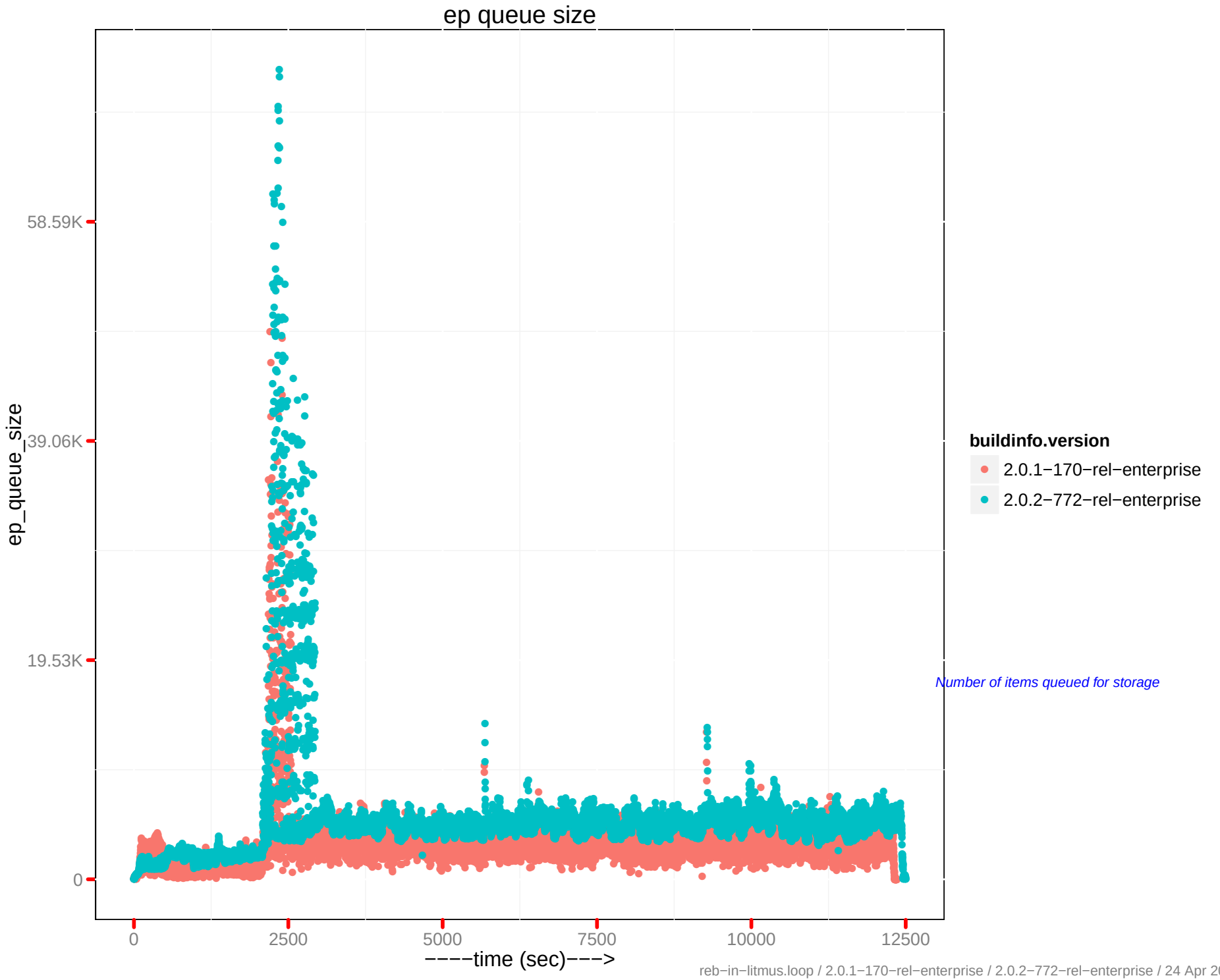
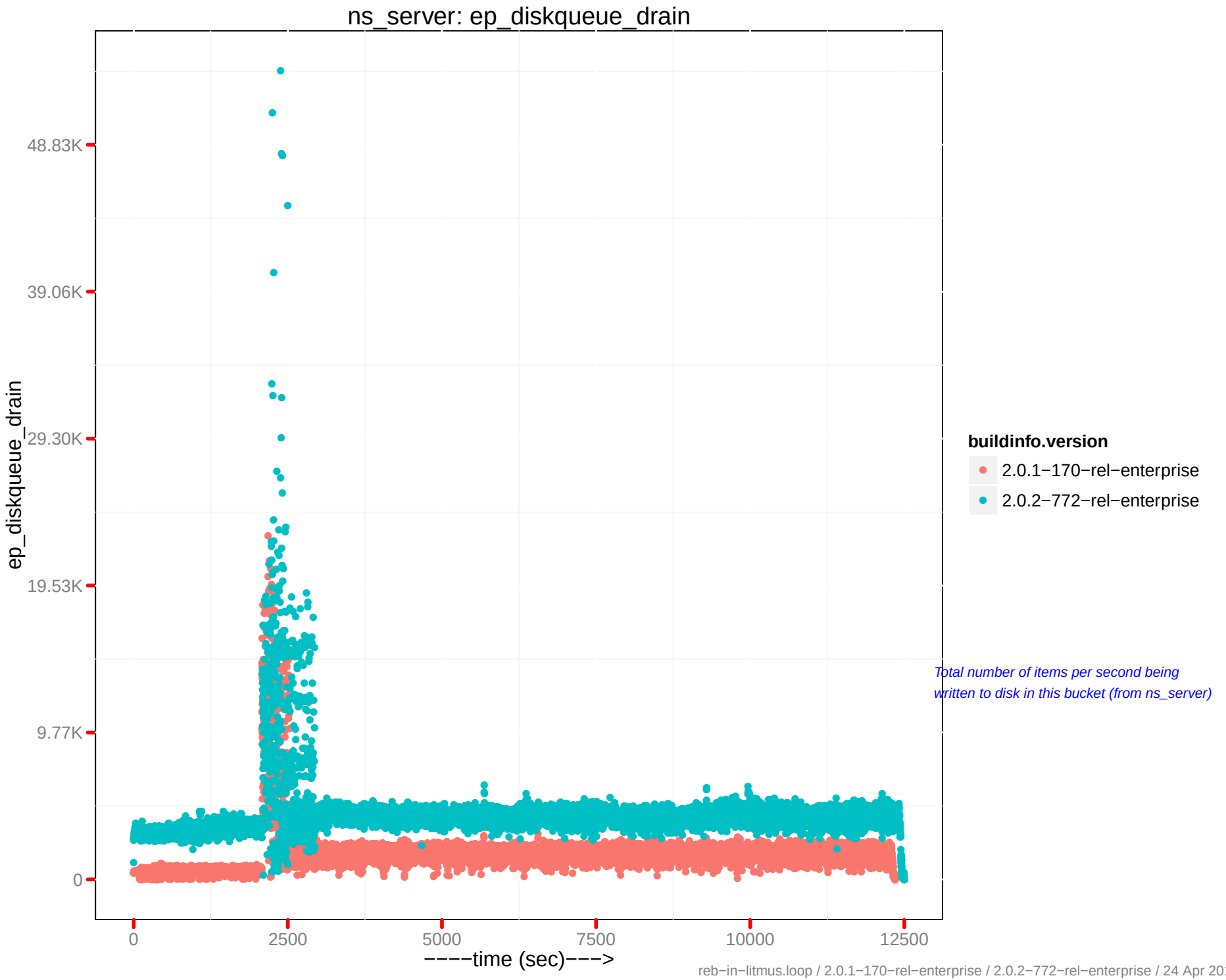

reb−in−litmus.loop : 2.0.1−170−rel−enterprise : 2.0.2−772−rel−enterprise
runtime
peak mem
peak disk
latency−set (95th)
latency−get (95th)
drain rate
1.01x
1.11x
1.34x
1.38x
1.41x
2.39x
Result
Fail
Pass
3.0x
2.0x
1.0x
2.0x
3.0x
(righter is better)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

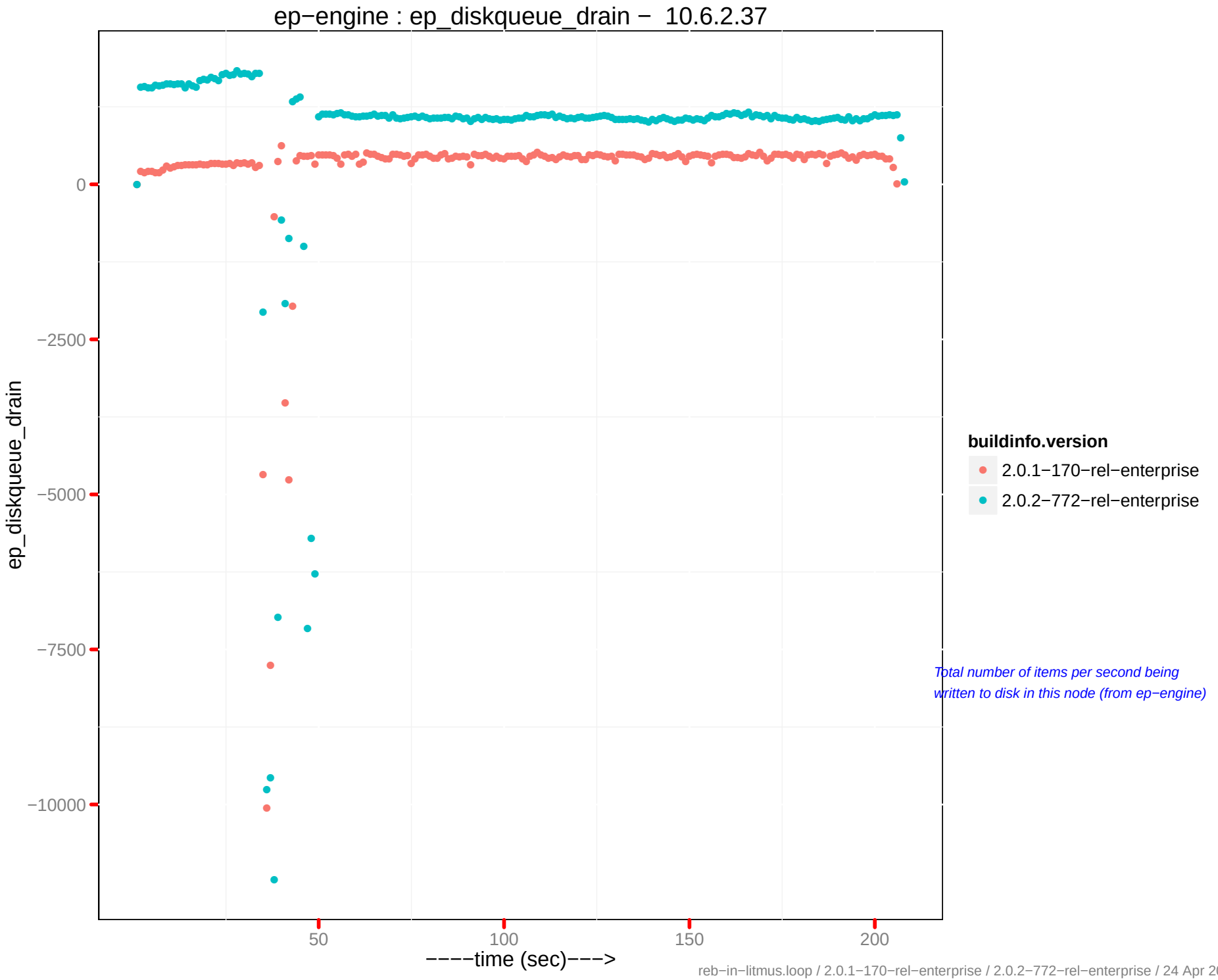
	2.0.1 − 170	2.0.2 − 772
Runtime (in hr)	3.45	3.48
Avg. Drain Rate	1.81K	4.32K
Peak Disk (GB)	18.25	24.46
Peak Memory (GB)	38141.67	42167.12
Avg. OPS	5.04K	5.57K
Avg. mem memcached (GB)	30653.01	37134.79
Avg. mem beam.smp (MB)	7208106.01	5129136.15
Avg. CPU rate (%)	44.05	63.69
Latency−get (90th) (ms)	2.92	3.95
Latency−get (95th) (ms)	3.95	5.56
Latency−get (99th) (ms)	8.15	11.85
Latency−set (90th) (ms)	3.14	4.09
Latency−set (95th) (ms)	4.11	5.67
Latency−set (99th) (ms)	8.05	11.91
Latency−query (80th) (ms)	NA	NA
Latency−query (90th) (ms)	NA	NA
Latency−query (95th) (ms)	NA	NA
Latency−query (99th) (ms)	NA	NA
Latency−query (99.9th) (ms)	NA	NA
Avg. QPS	0	0
Avg. XDC ops/sec	NaN	NaN
Avg. XDC docs to replicate	NaN	NaN
Rebalance Time (sec)	491.79	873.47
Testrunner Version	7555e2e	4baaeaf

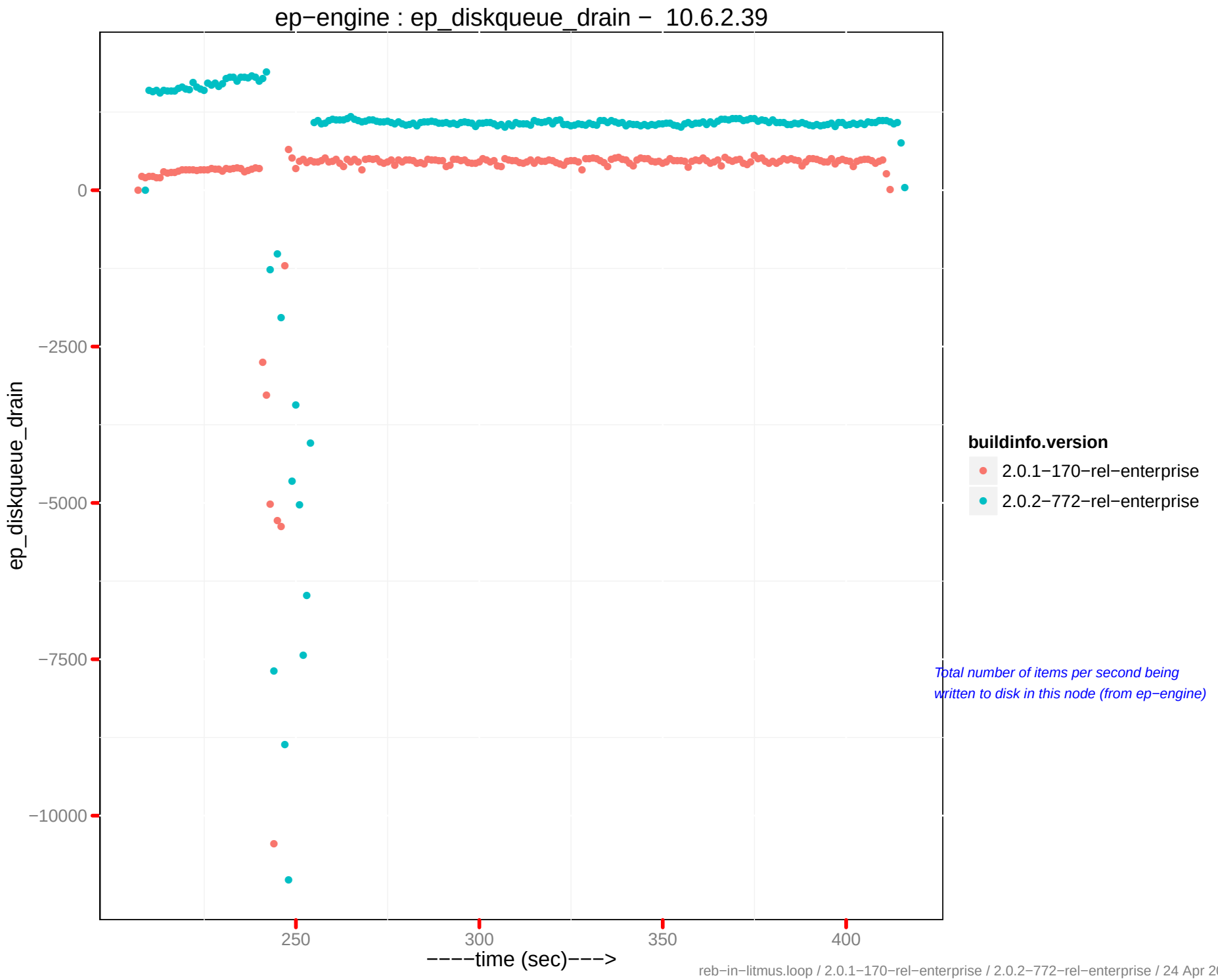

ops/sec
5.86K
3.91K
1.95K
0
ops/sec
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of ops per second
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

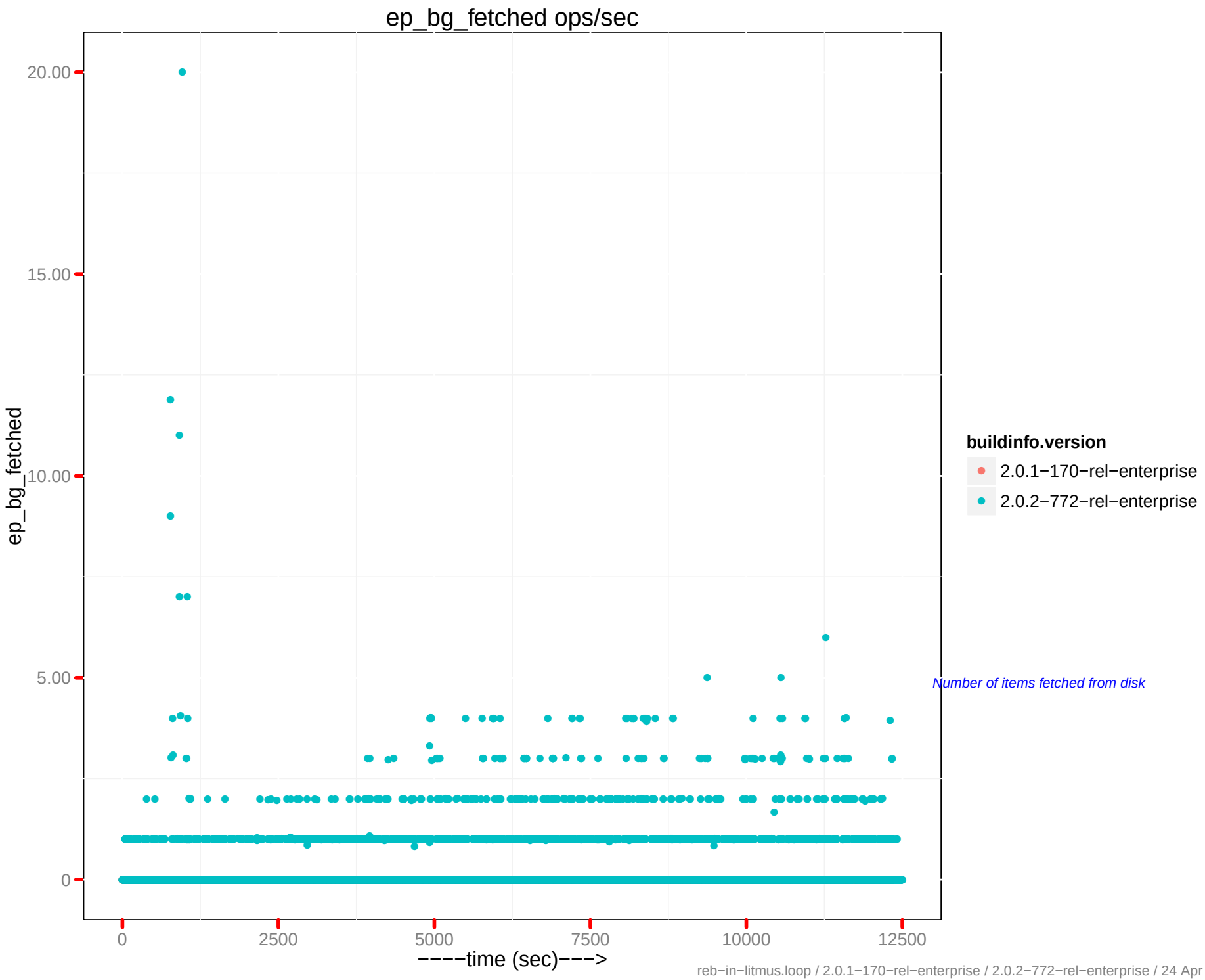

View read per sec.
Queries/sec
0
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
All the view reads for all design documents including scatter gather.
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

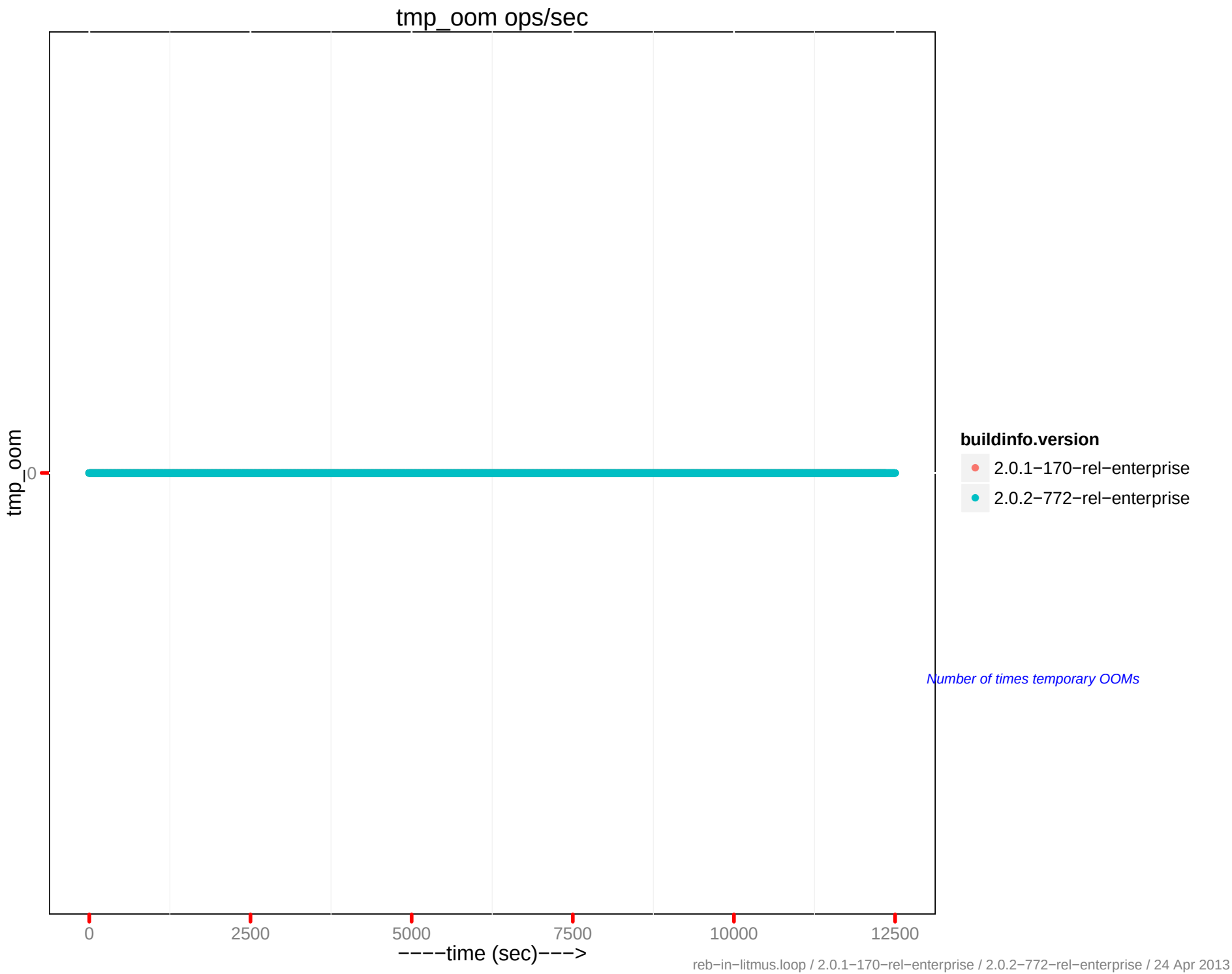

ep queue size
ep_queue_size
58.59K
39.06K
19.53K
0
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Number of items queued for storage
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

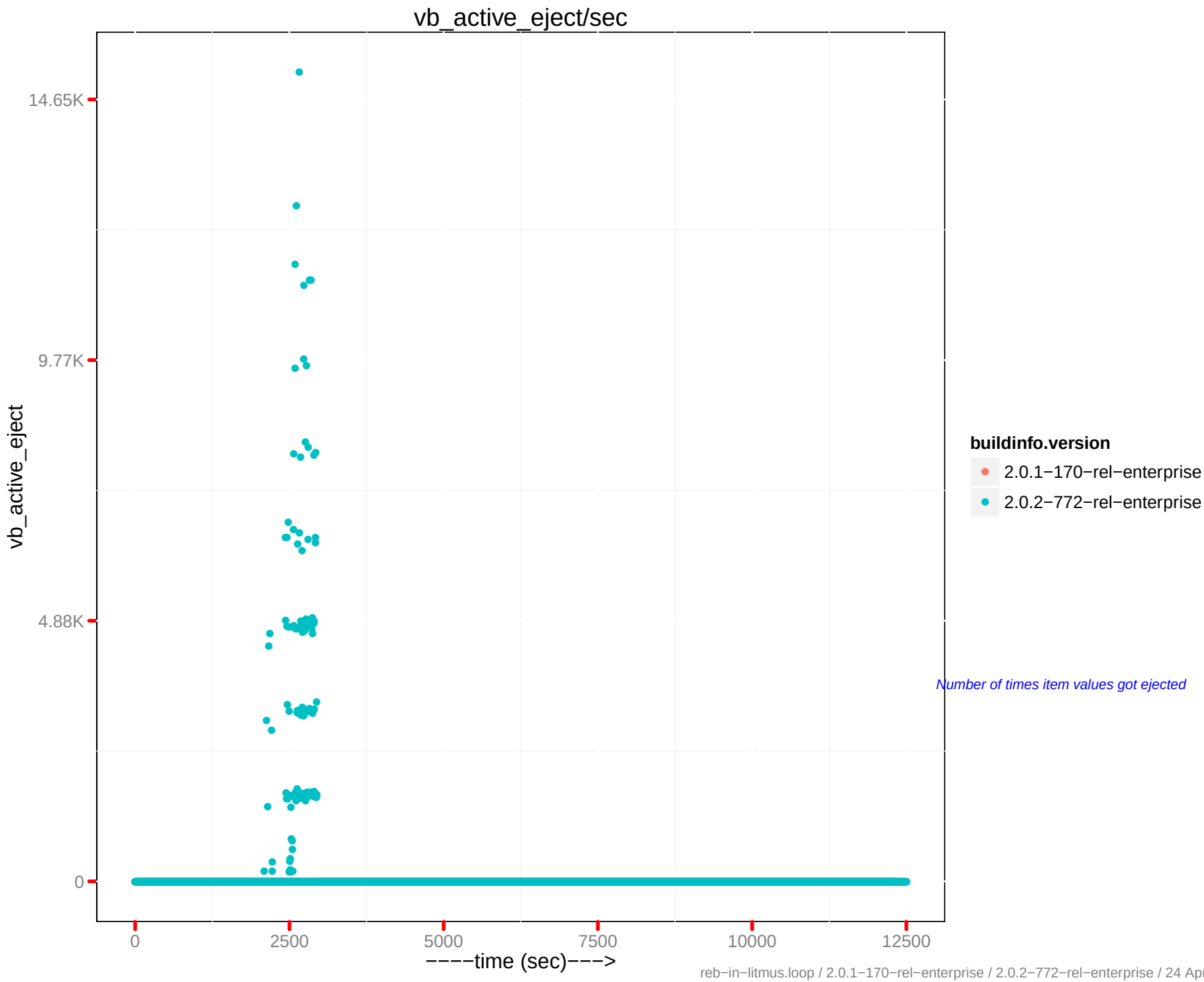

ns_server: ep_diskqueue_drain
ep_diskqueue_drain
48.83K
39.06K
29.30K
19.53K
9.77K
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Total number of items per second being written to disk in this bucket (from ns_server)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

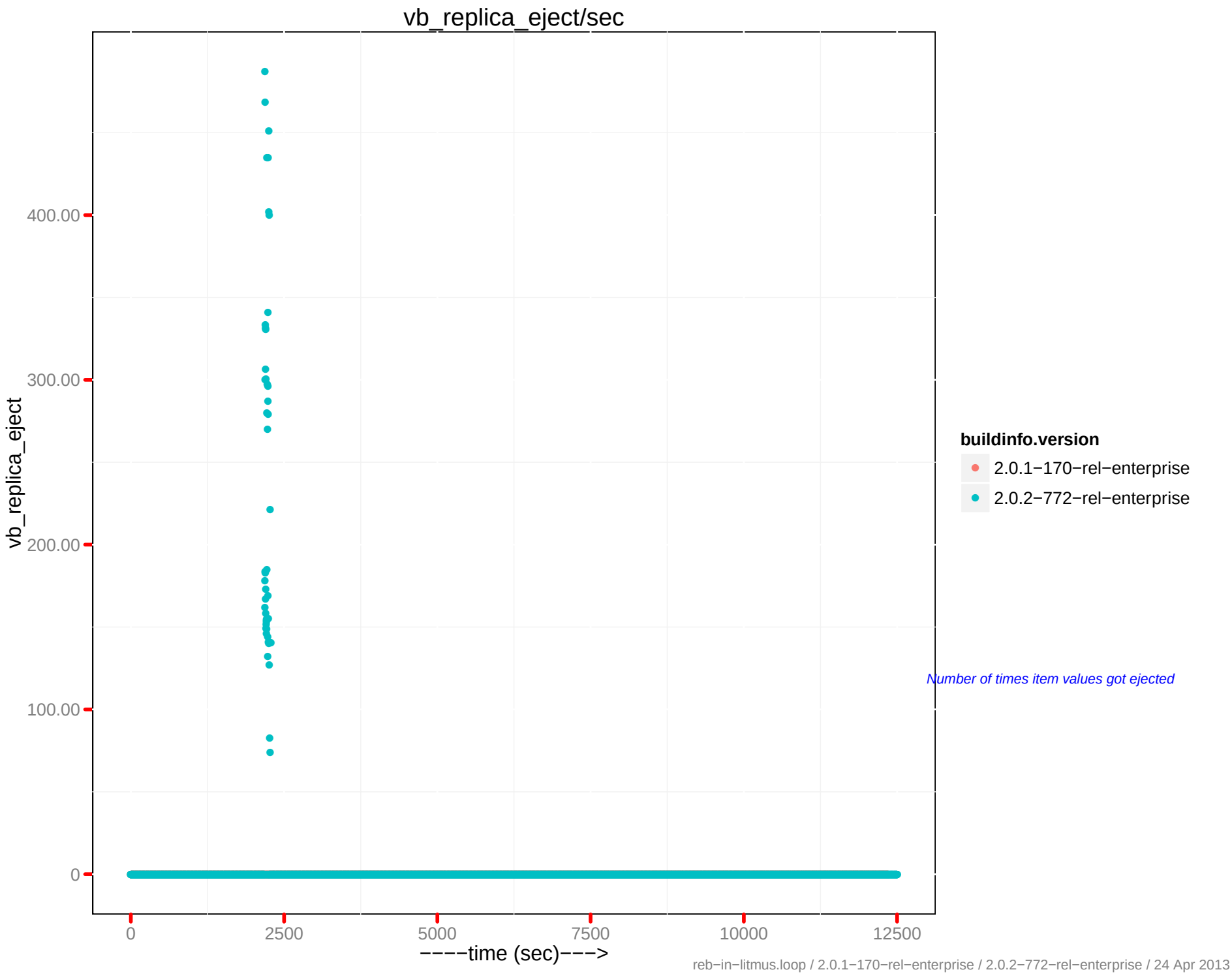

ep−engine : ep_diskqueue_drain − 10.6.2.37
ep_diskqueue_drain
0
−2500
−5000
−7500
−10000
50
100
150
200
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Total number of items per second being
written to disk in this node (from ep−engine)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

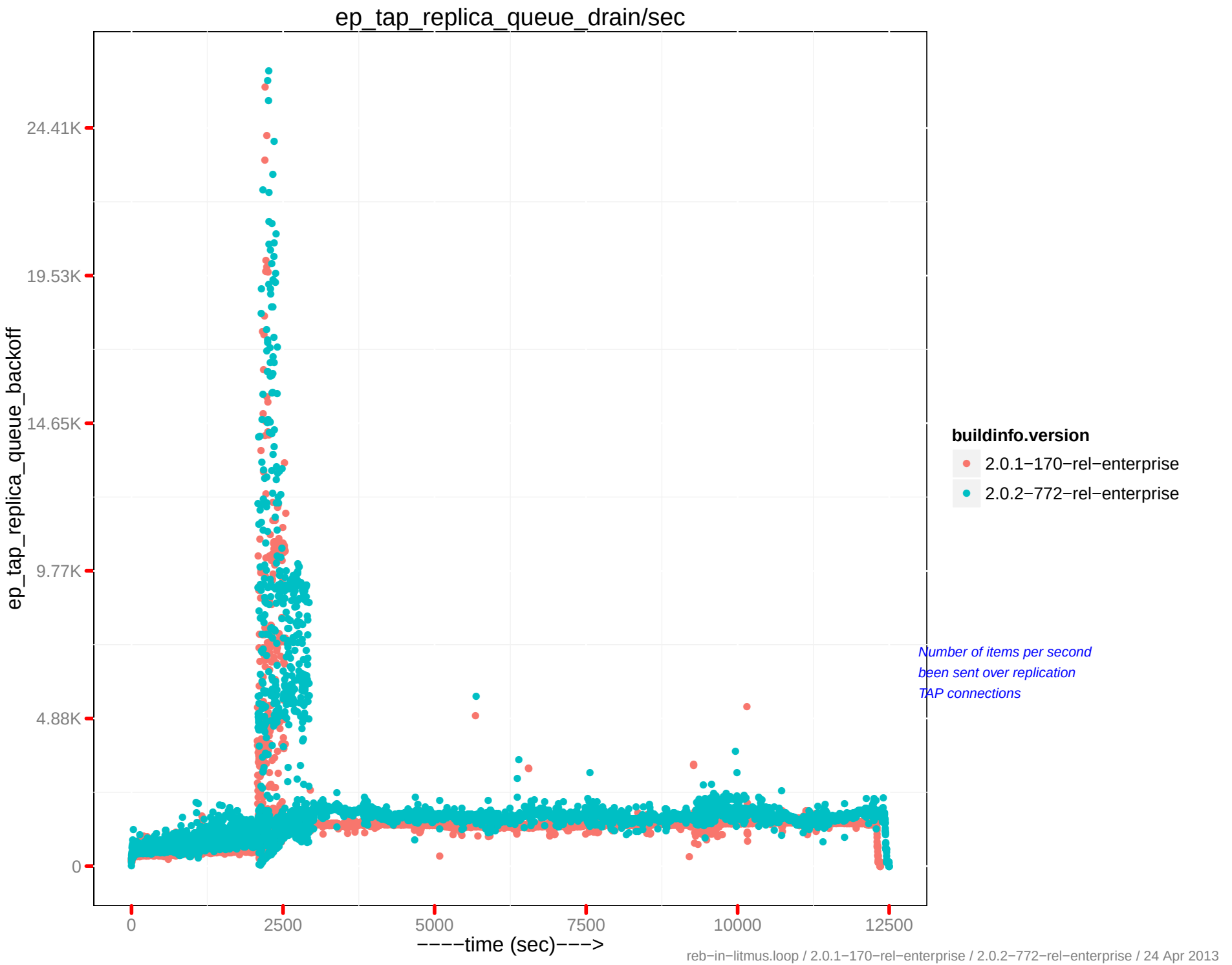

ep−engine : ep_diskqueue_drain − 10.6.2.39
ep_diskqueue_drain
0
−2500
−5000
−7500
−10000
250
300
350
400
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Total number of items per second being
written to disk in this node (from ep−engine)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

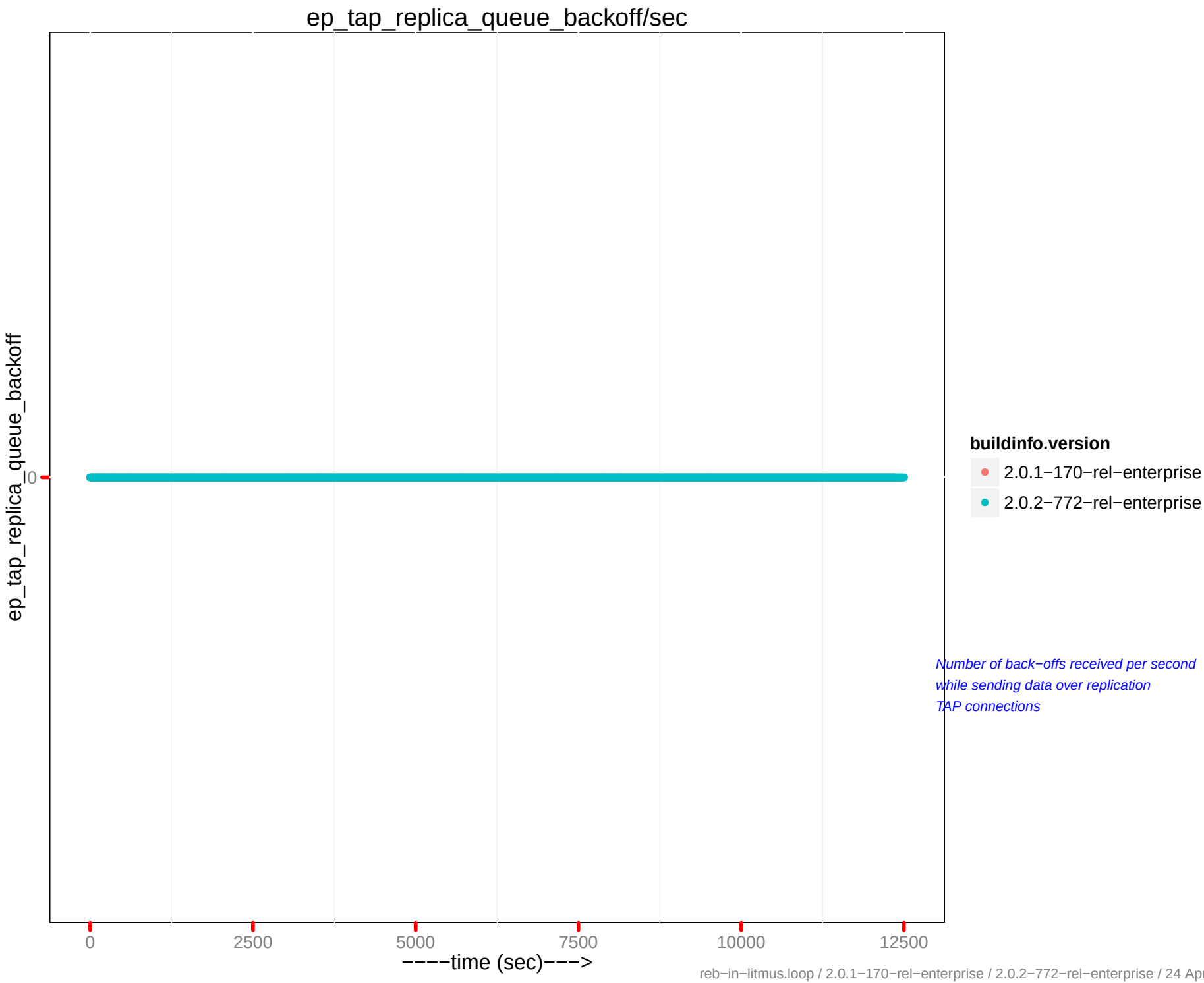

ep_bg_fetched ops/sec
20.00
15.00
10.00
5.00
0
ep_bg_fetched
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of items fetched from disk
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

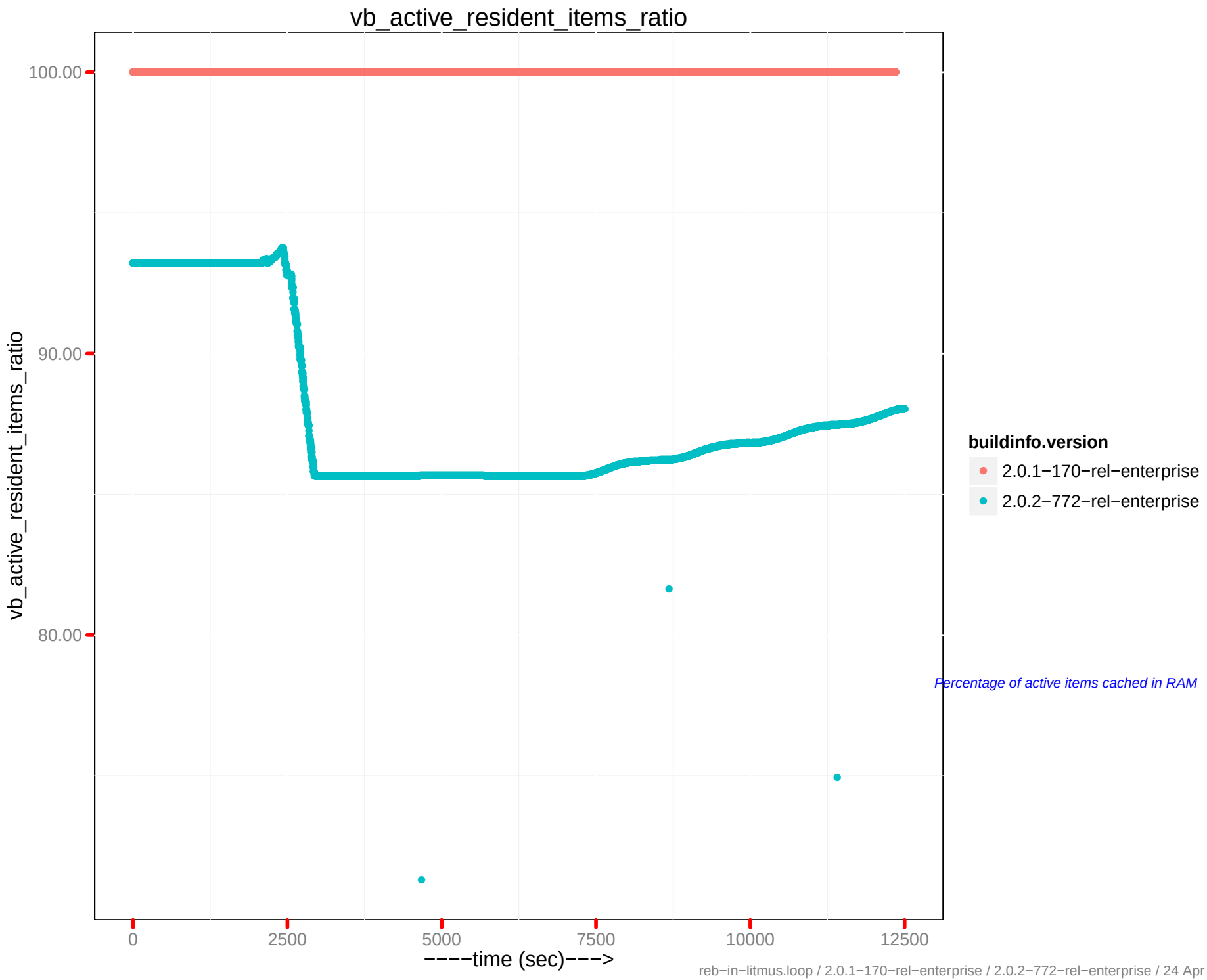

tmp_oom ops/sec
tmp_oom
0
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Number of times temporary OOMs
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

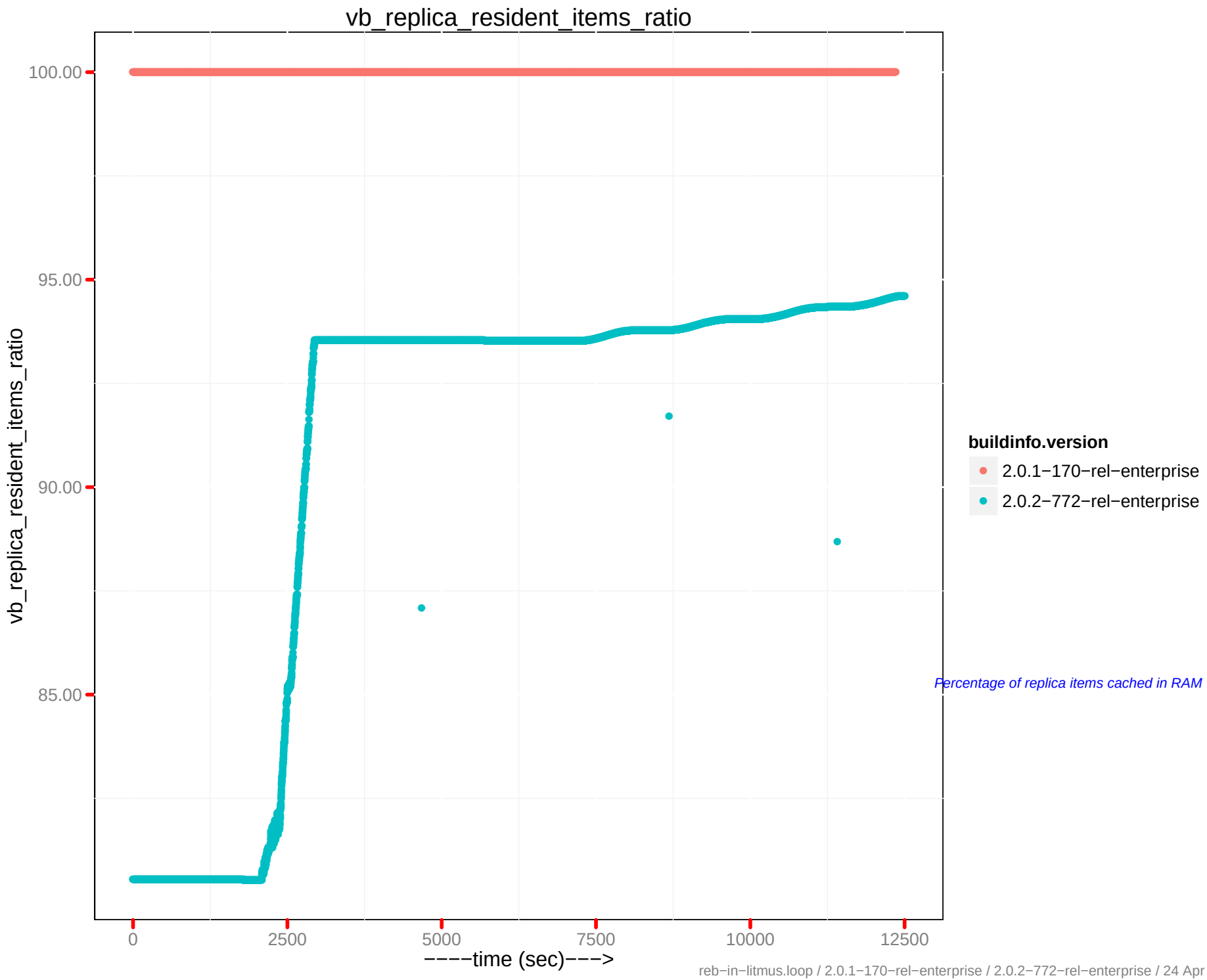

vb_active_eject/sec
14.65K
9.77K
4.88K
0
vb_active_eject
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of times item values got ejected
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

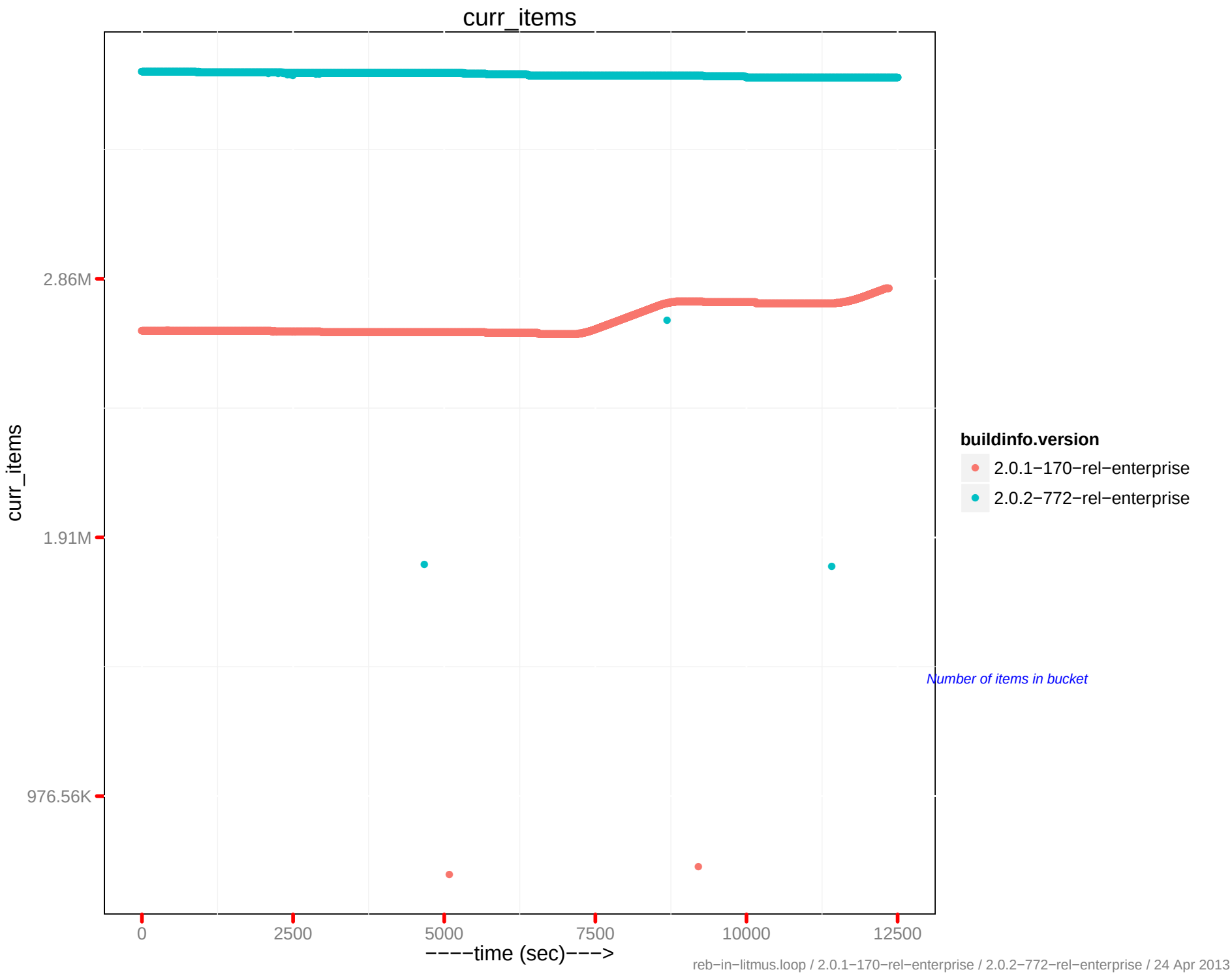

vb_replica_eject/sec
vb_replica_eject
400.00
300.00
200.00
100.00
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of times item values got ejected
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

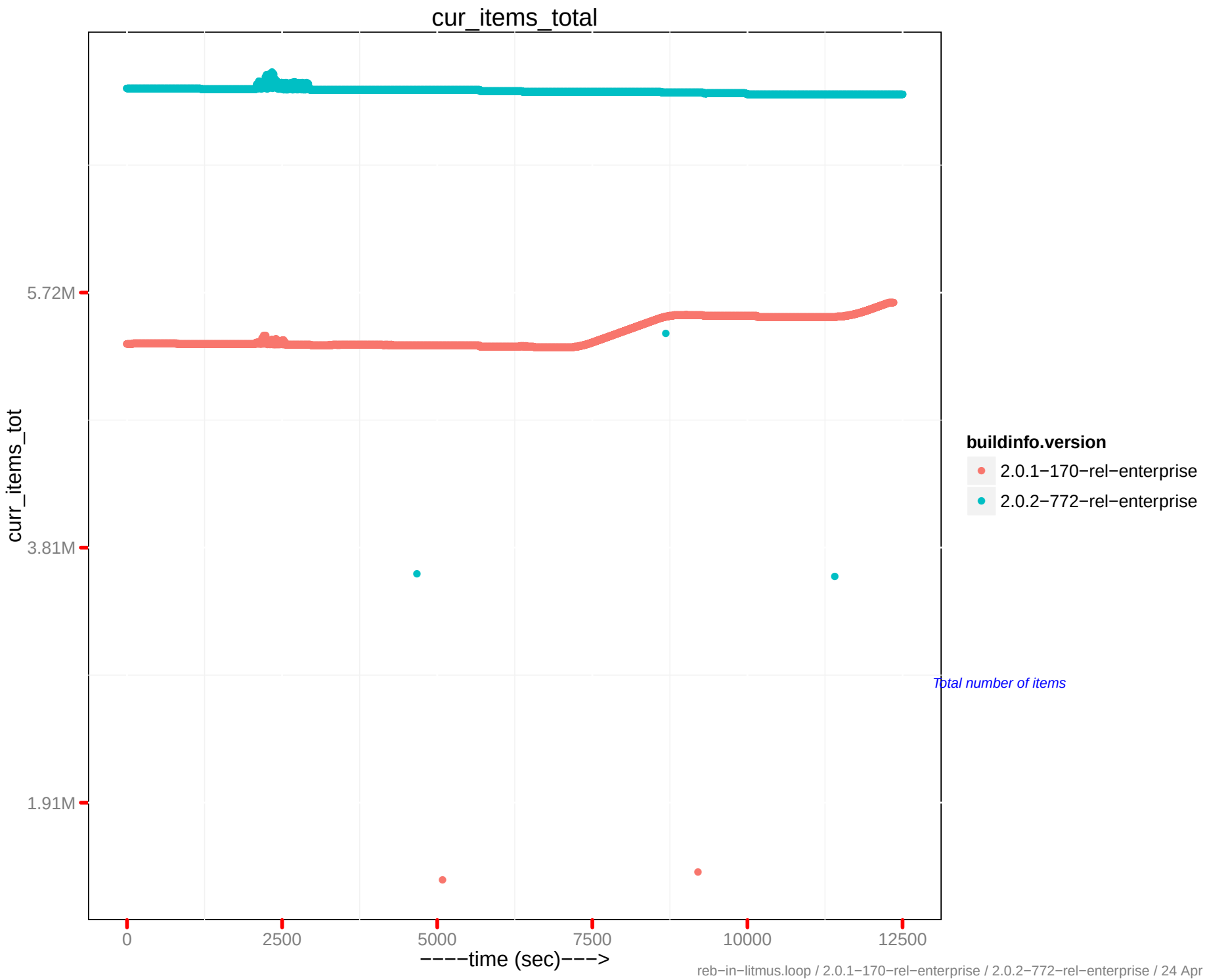

ep_tap_replica_queue_drain/sec
ep_tap_replica_queue_backoff
24.41K
19.53K
14.65K
9.77K
4.88K
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of items per second
been sent over replication
TAP connections
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

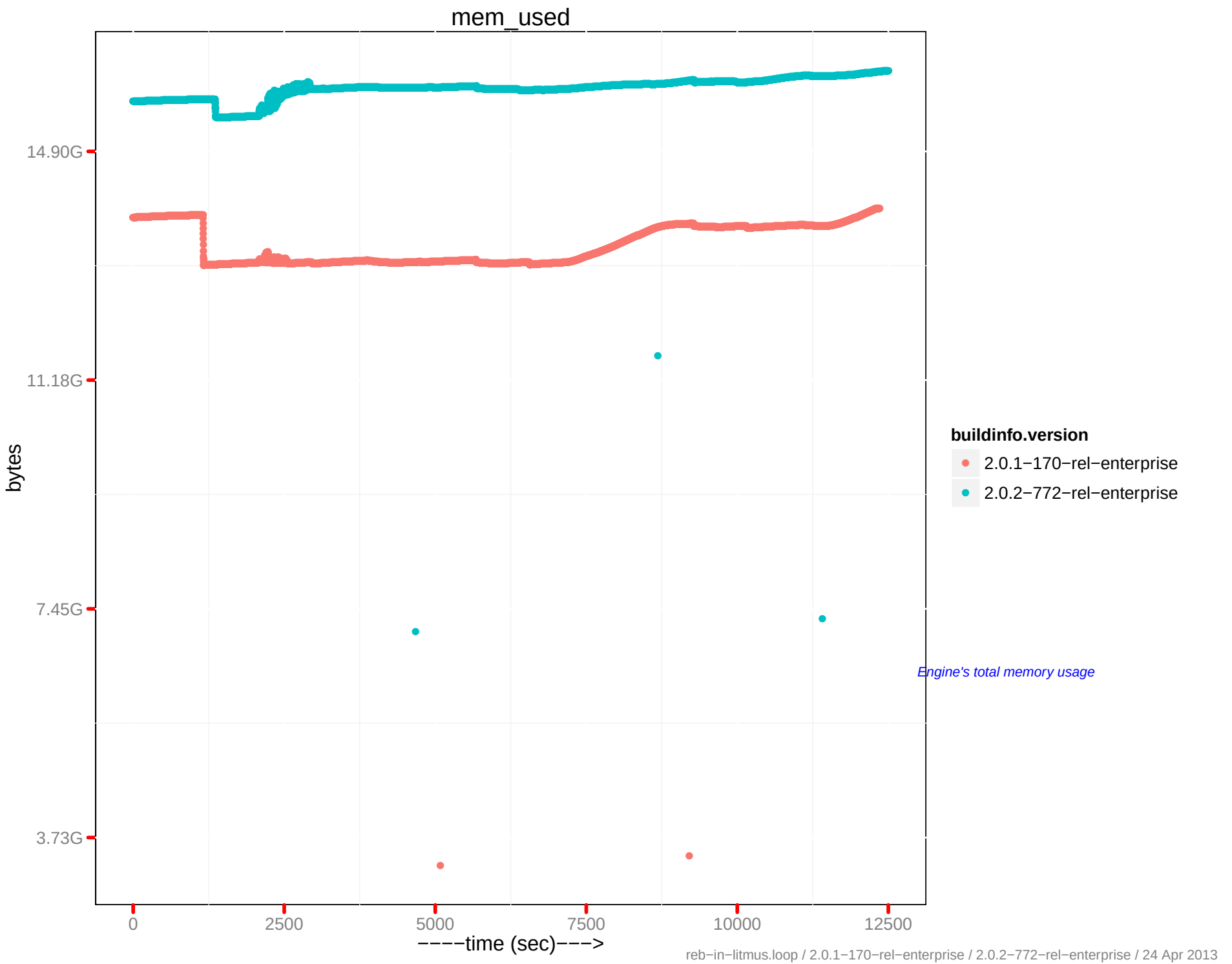

ep_tap_replica_queue_backoff/sec
ep_tap_replica_queue_backoff
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of back-offs received per second
while sending data over replication
TAP connections
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

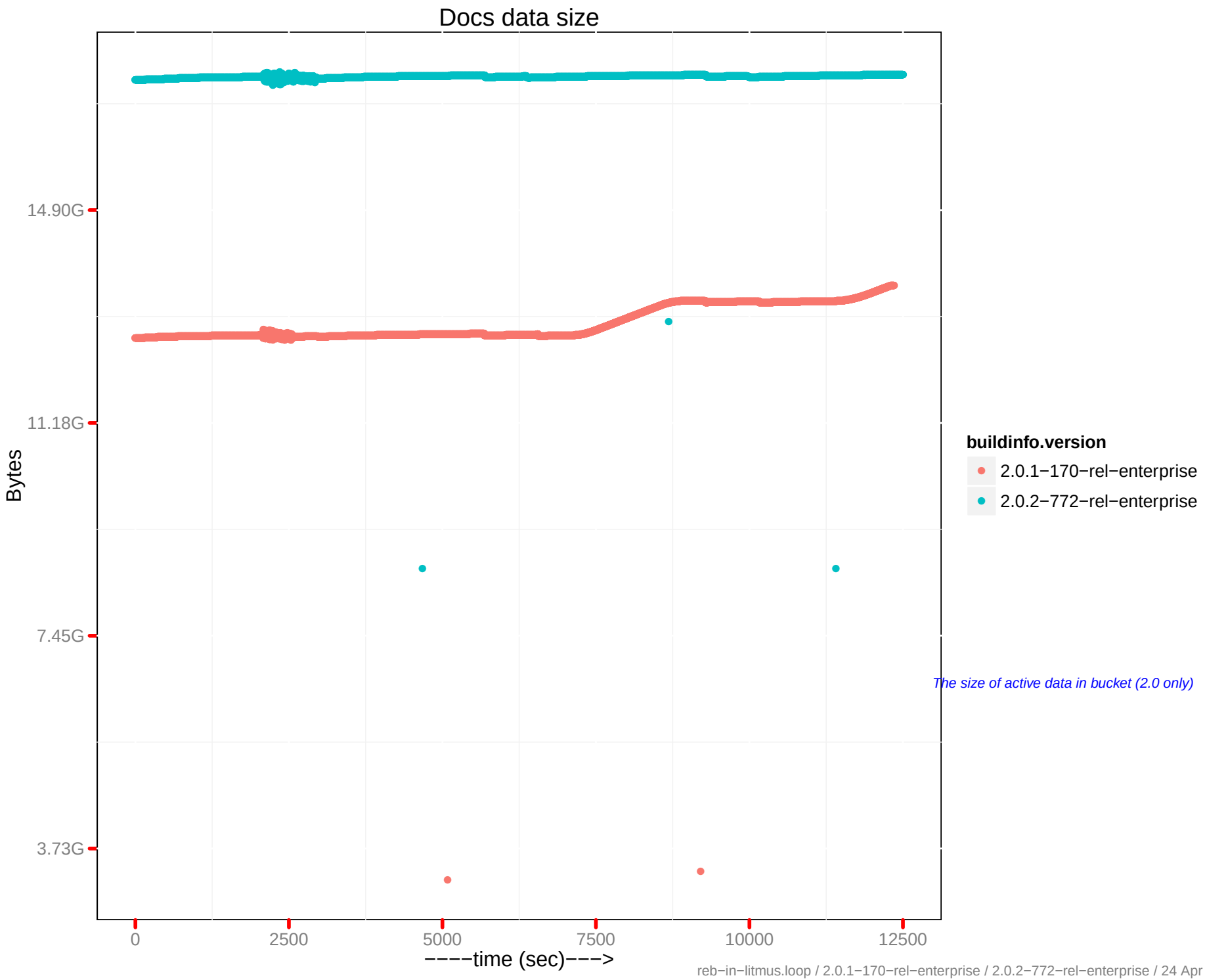

vb_active_resident_items_ratio
100.00
90.00
80.00
vb_active_resident_items_ratio
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Percentage of active items cached in RAM
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

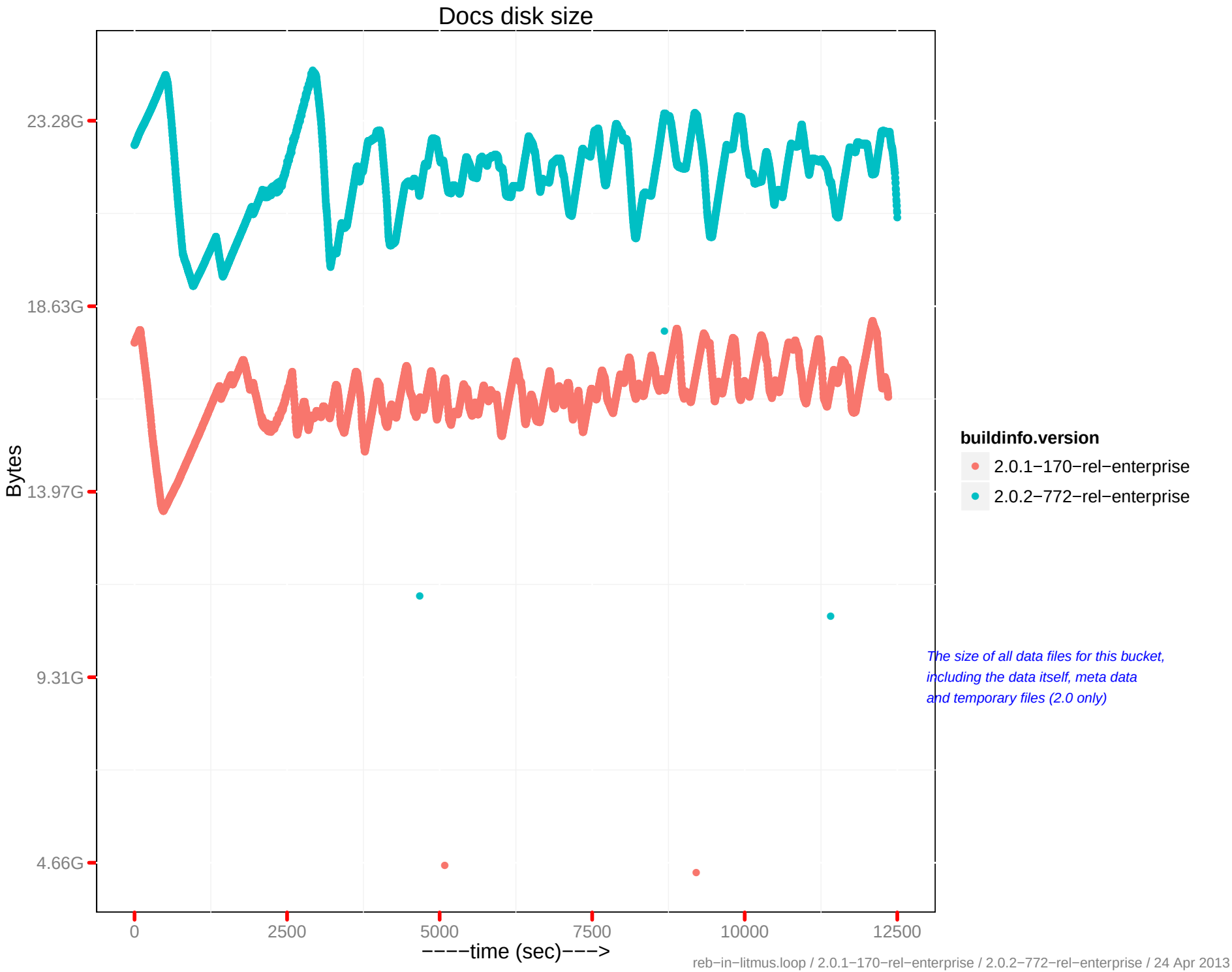

vb_replica_resident_items_ratio
100.00
95.00
90.00
85.00
vb_replica_resident_items_ratio
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Percentage of replica items cached in RAM
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

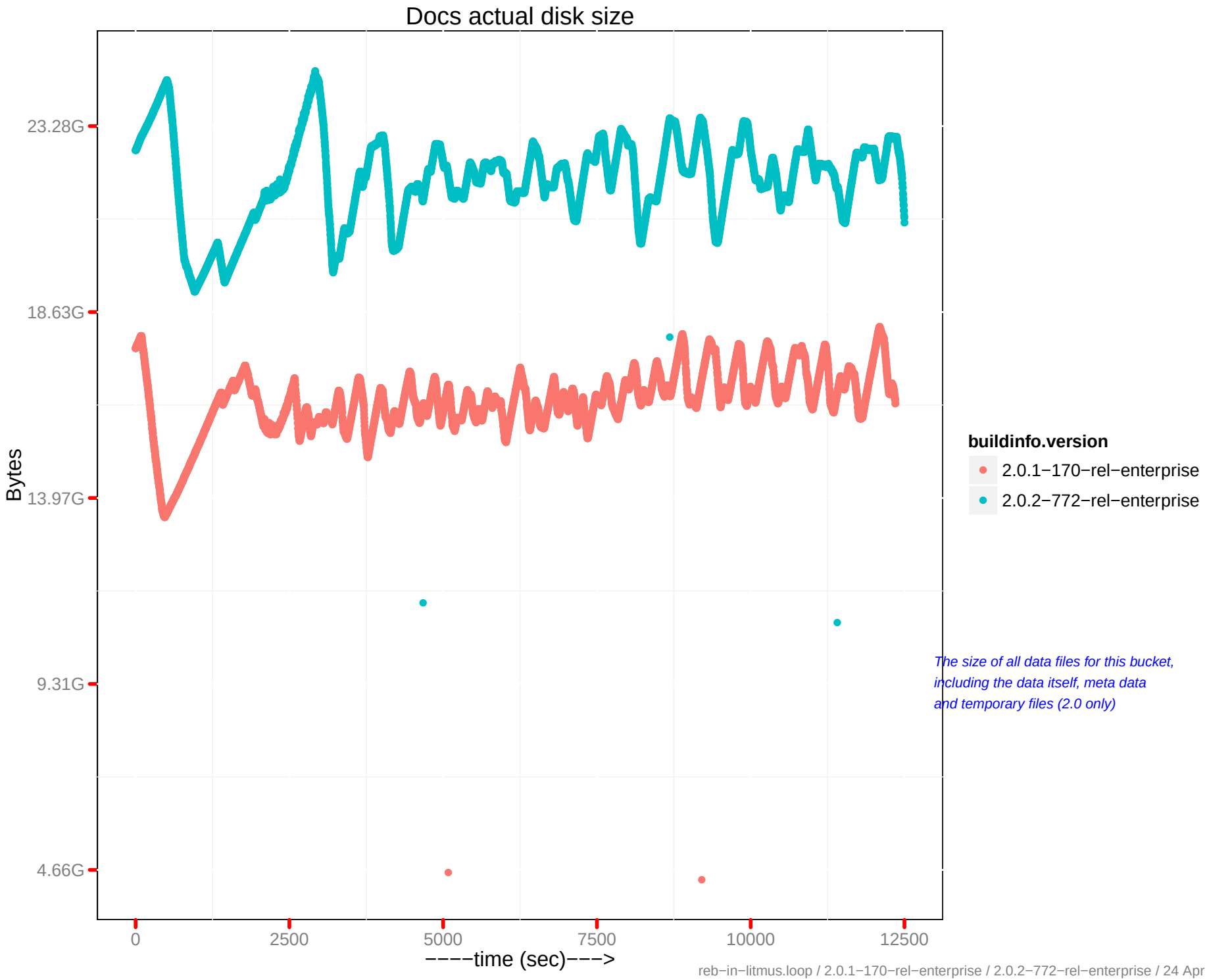

curr_items
2.86M
1.91M
976.56K
curr_items
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of items in bucket
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

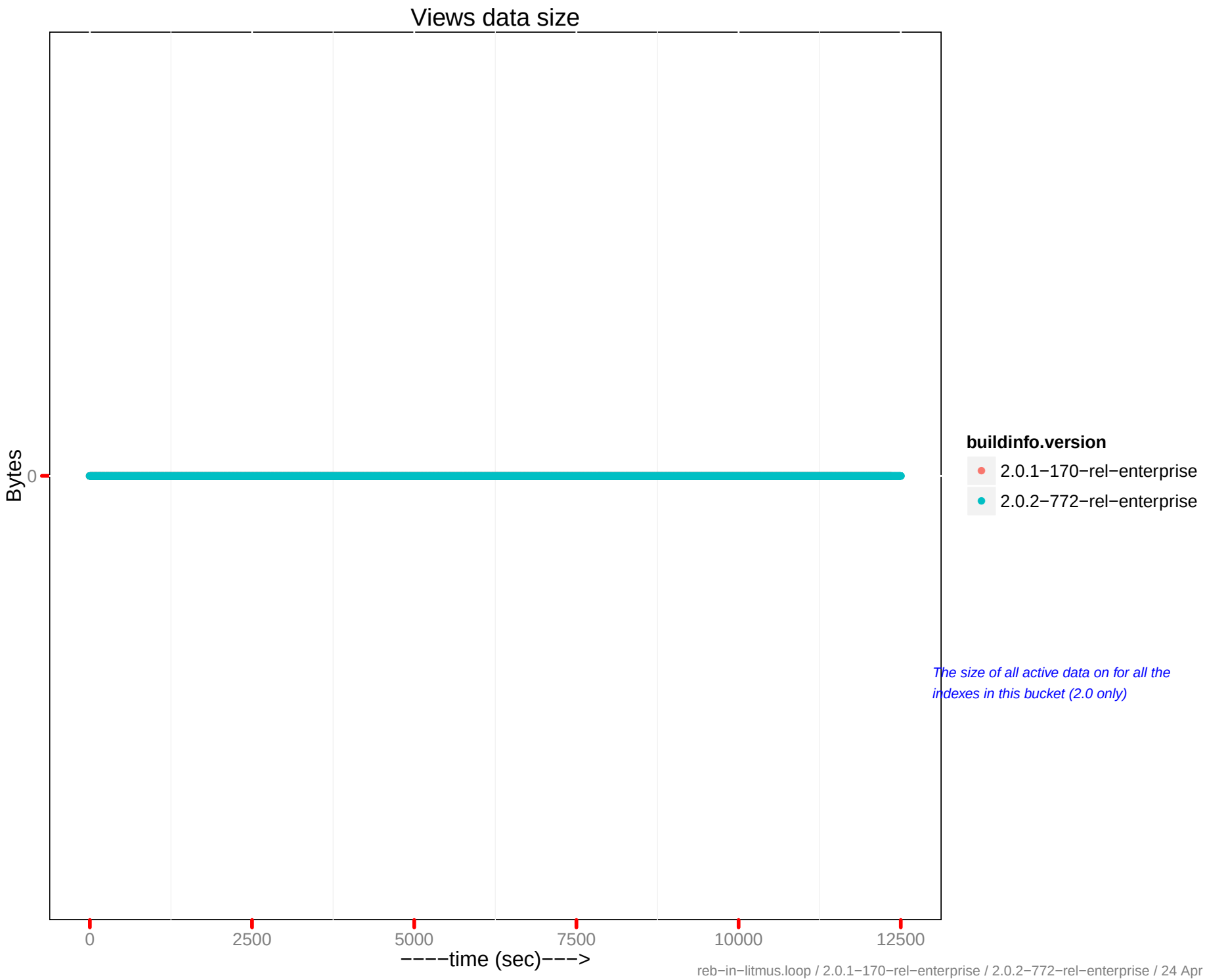

cur_items_total
curr_items_tot
5.72M
3.81M
1.91M
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Total number of items
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

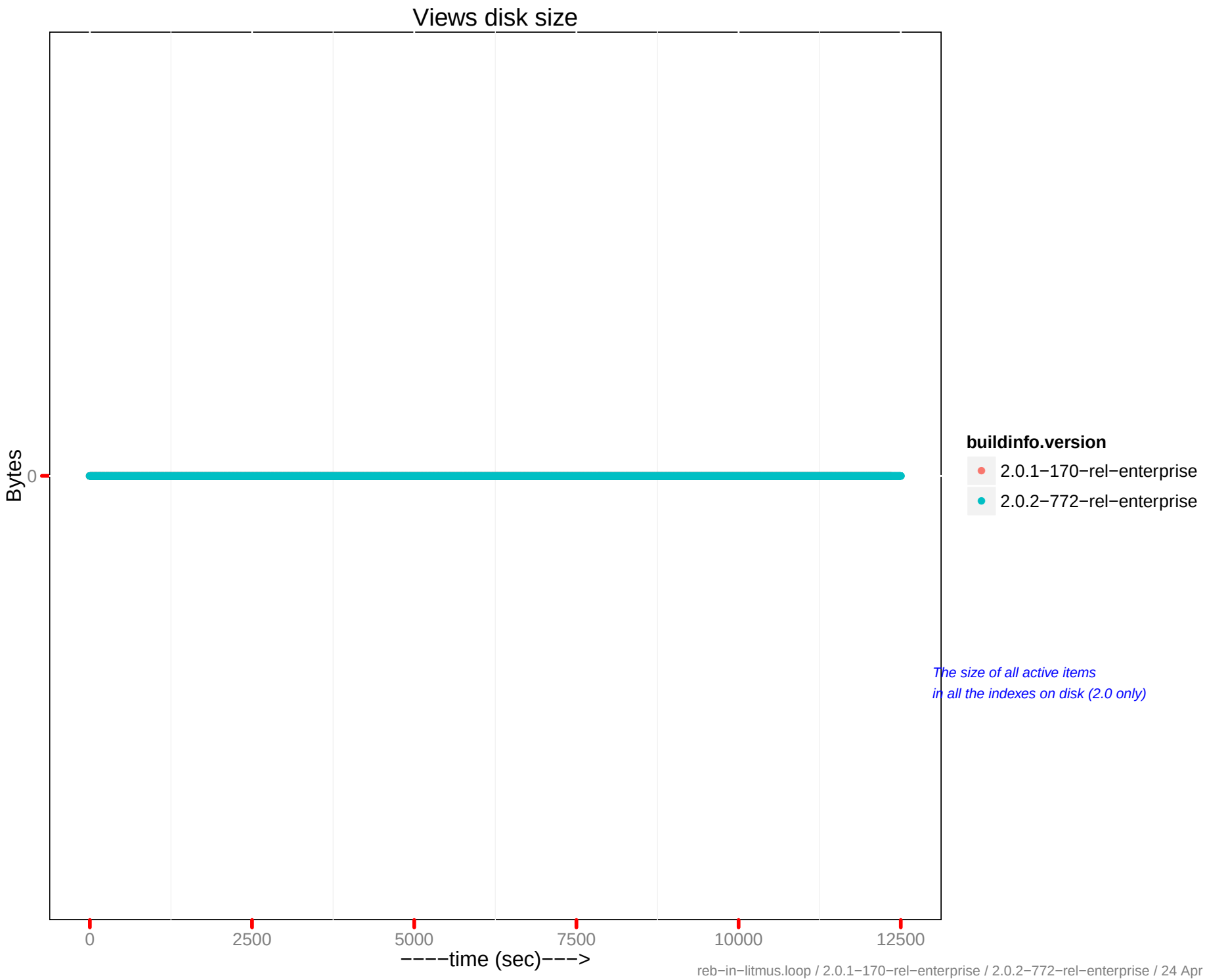

mem_used
14.90G
11.18G
7.45G
3.73G
bytes
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Engine's total memory usage
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

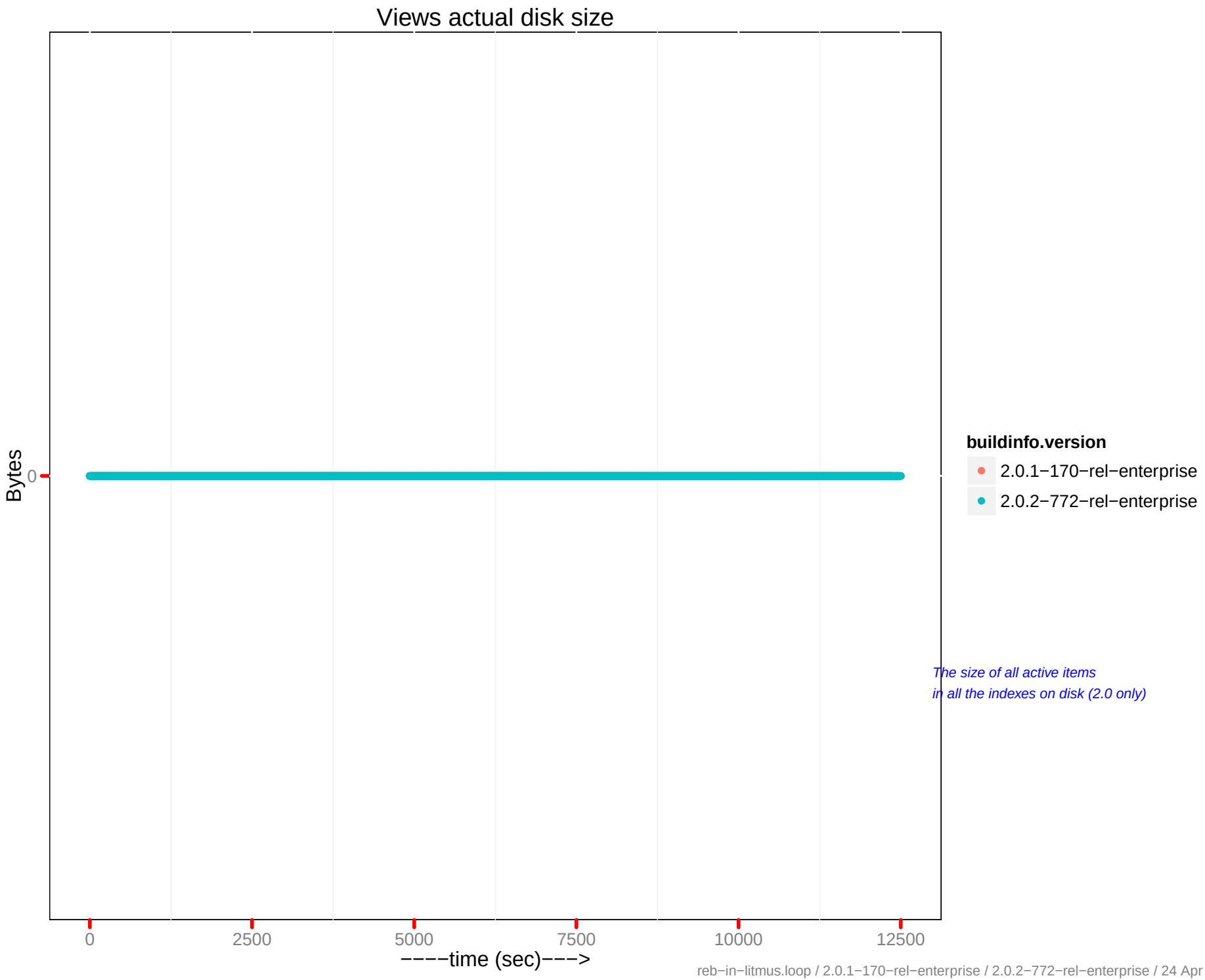

Docs data size
14.90G
11.18G
7.45G
3.73G
Bytes
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
The size of active data in bucket (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

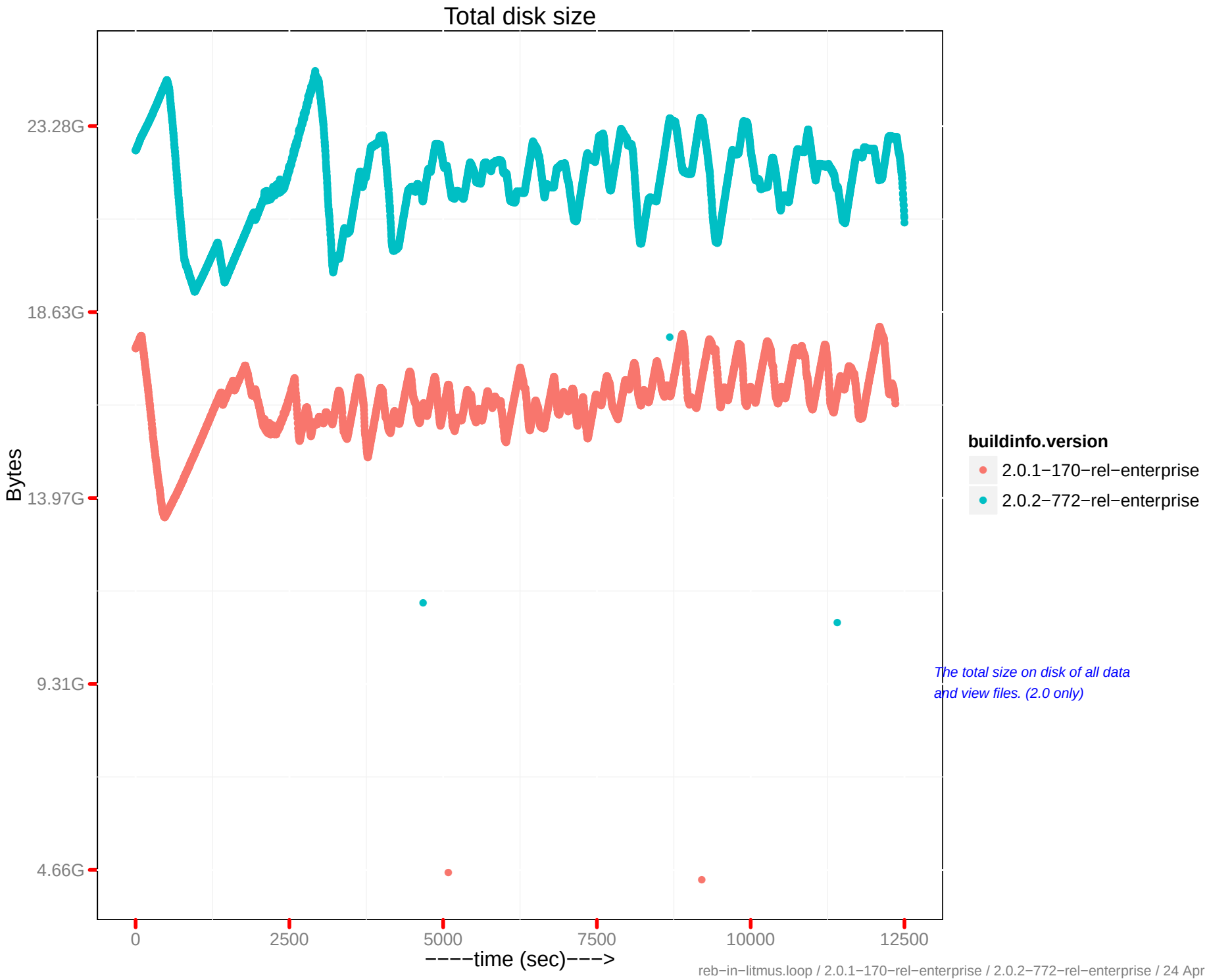

Docs disk size
23.28G
18.63G
13.97G
9.31G
4.66G
Bytes
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The size of all data files for this bucket, including the data itself, meta data and temporary files (2.0 only)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

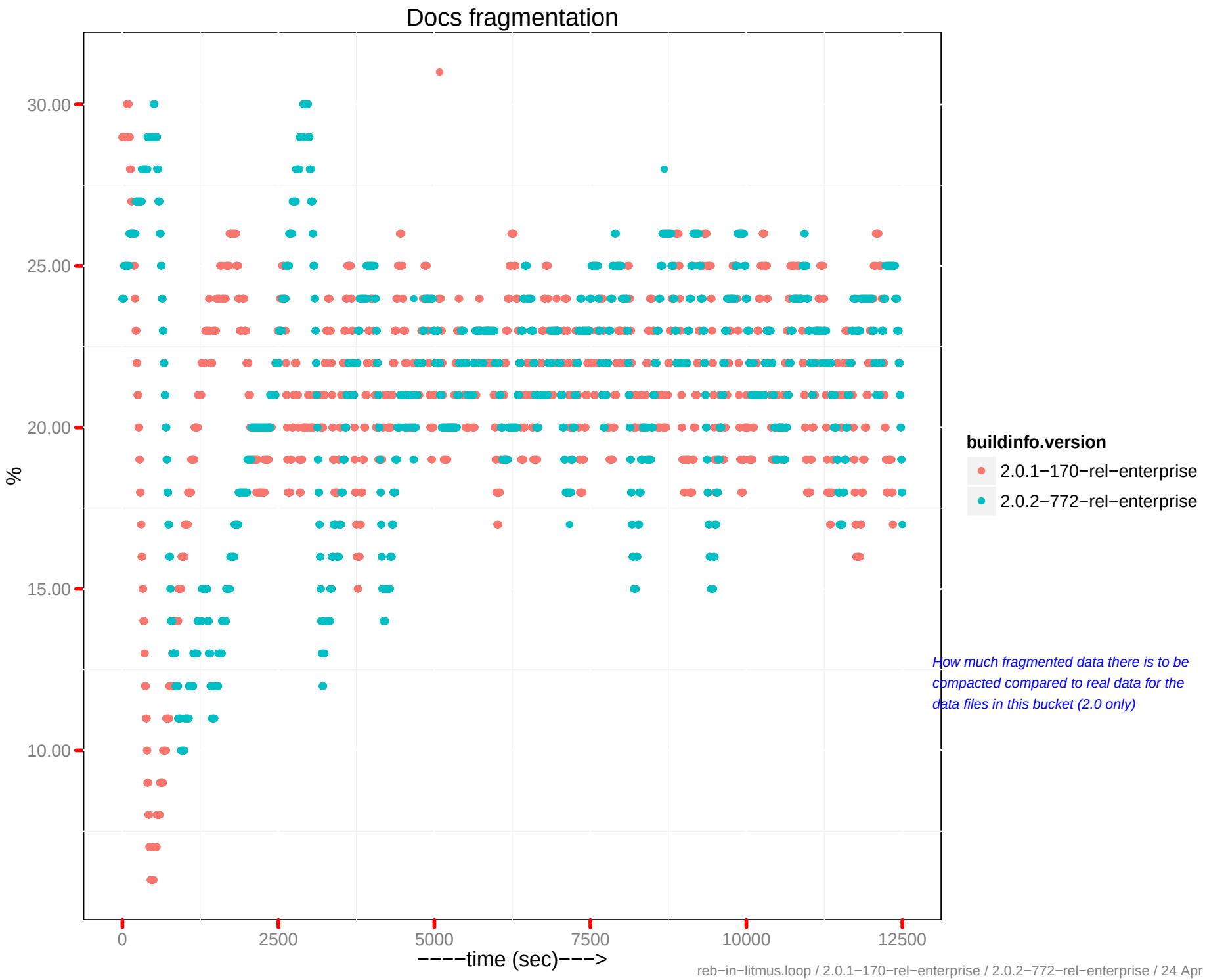

Docs actual disk size
23.28G
18.63G
13.97G
9.31G
4.66G
Bytes
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
The size of all data files for this bucket, including the data itself, meta data and temporary files (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

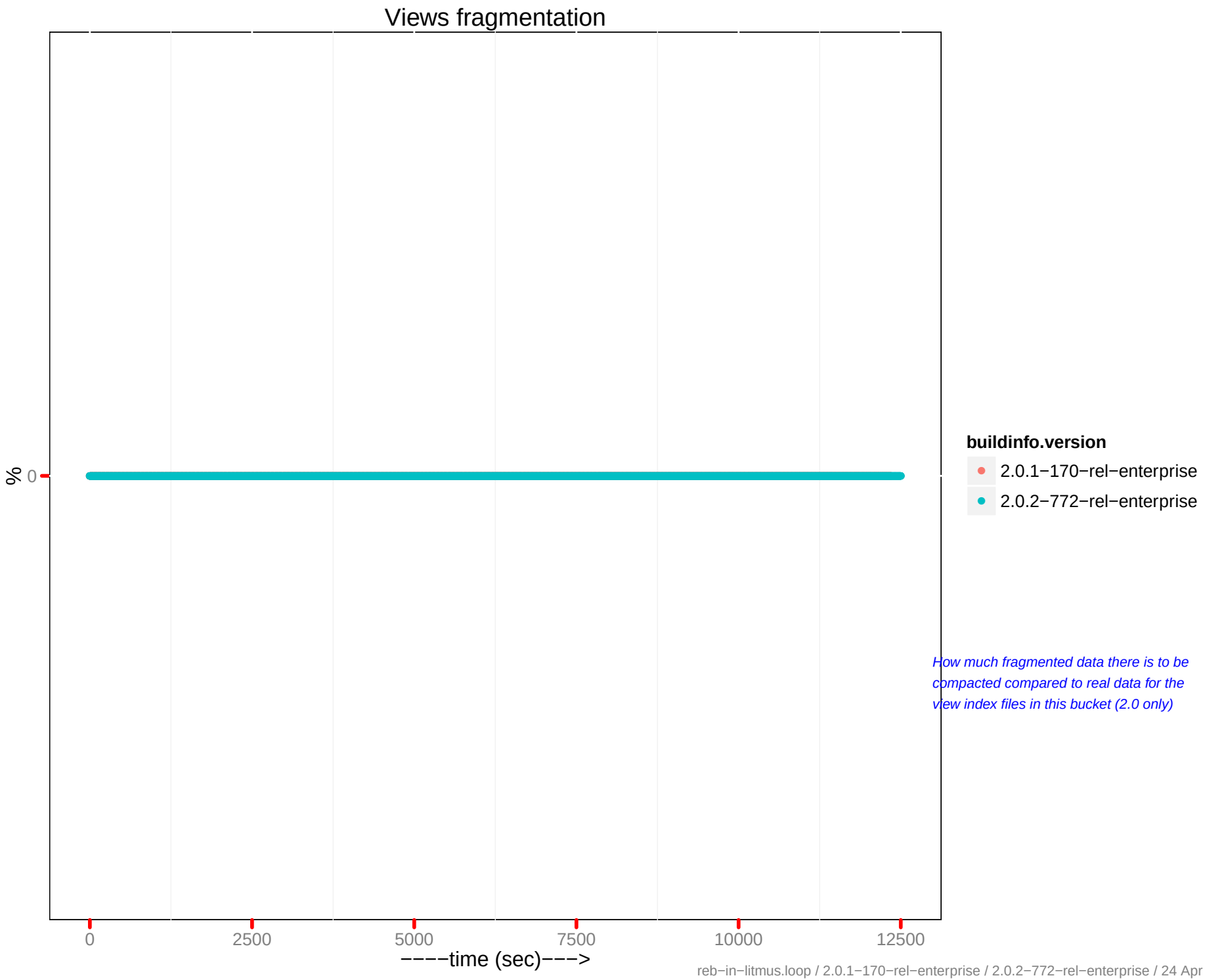

Views data size
Bytes
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
The size of all active data on for all the indexes in this bucket (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

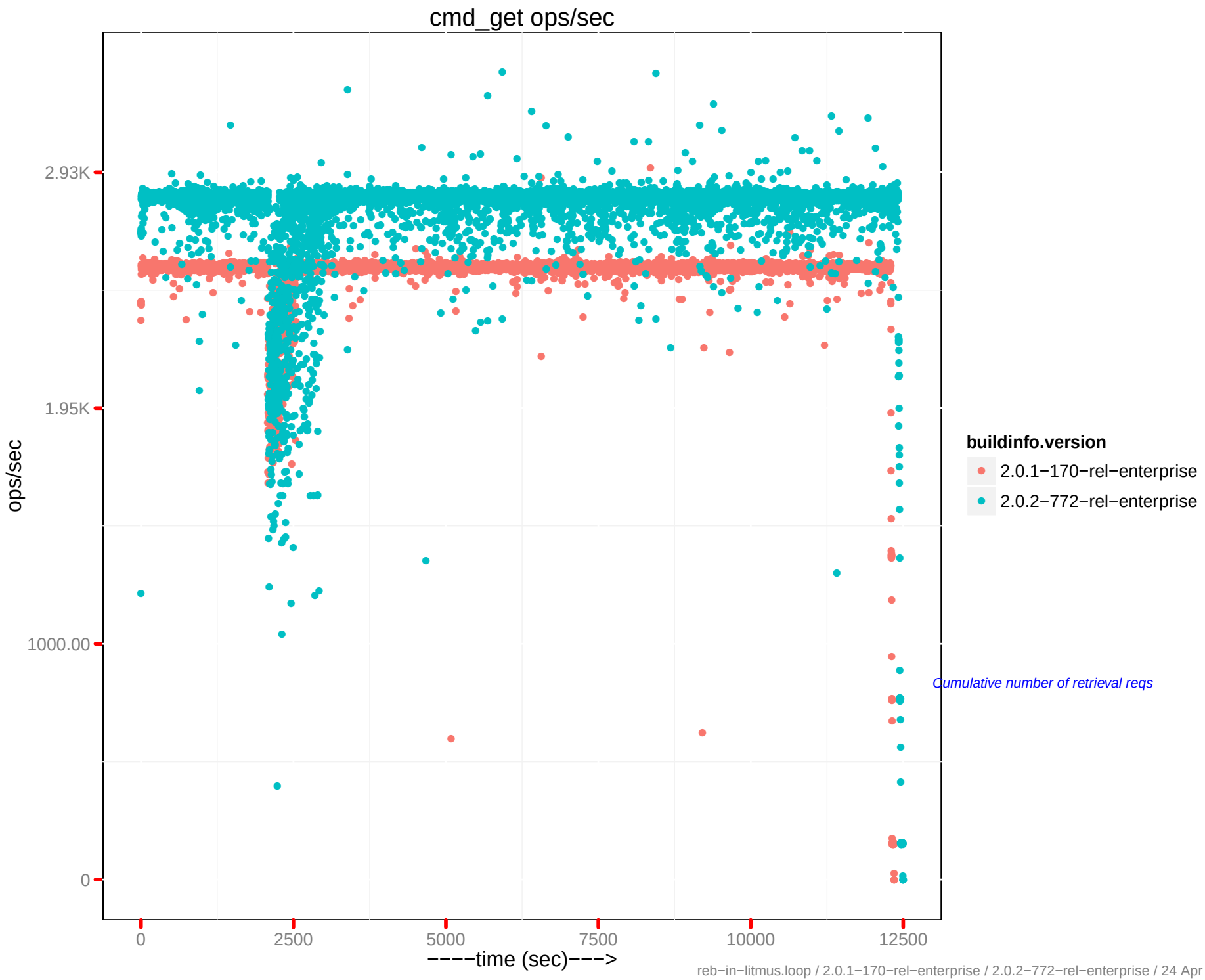

Views disk size
Bytes
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
The size of all active items
in all the indexes on disk (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013


Views actual disk size
Bytes
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
The size of all active items
in all the indexes on disk (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

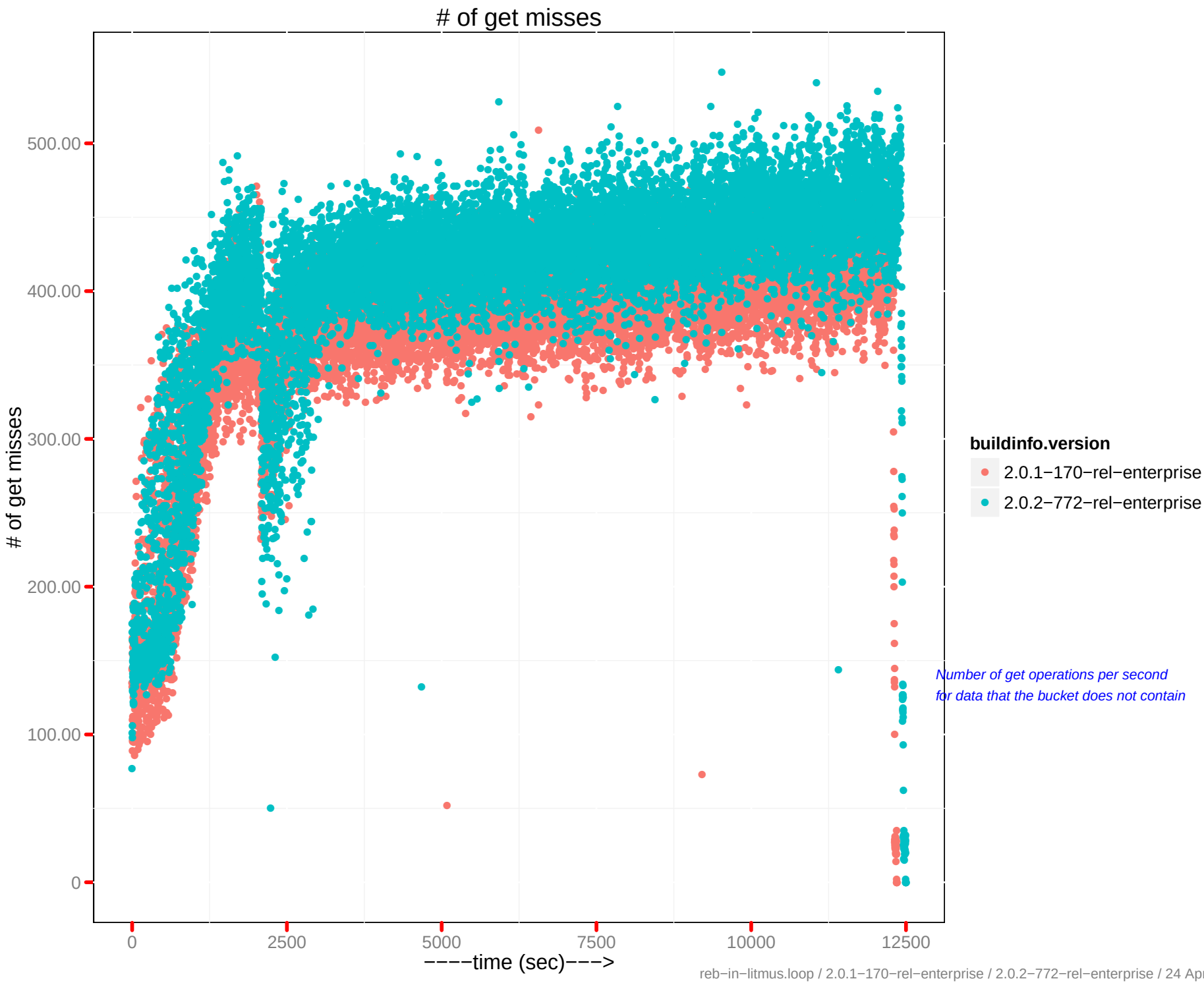

Total disk size
23.28G
18.63G
13.97G
9.31G
4.66G
Bytes
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The total size on disk of all data and view files. (2.0 only)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

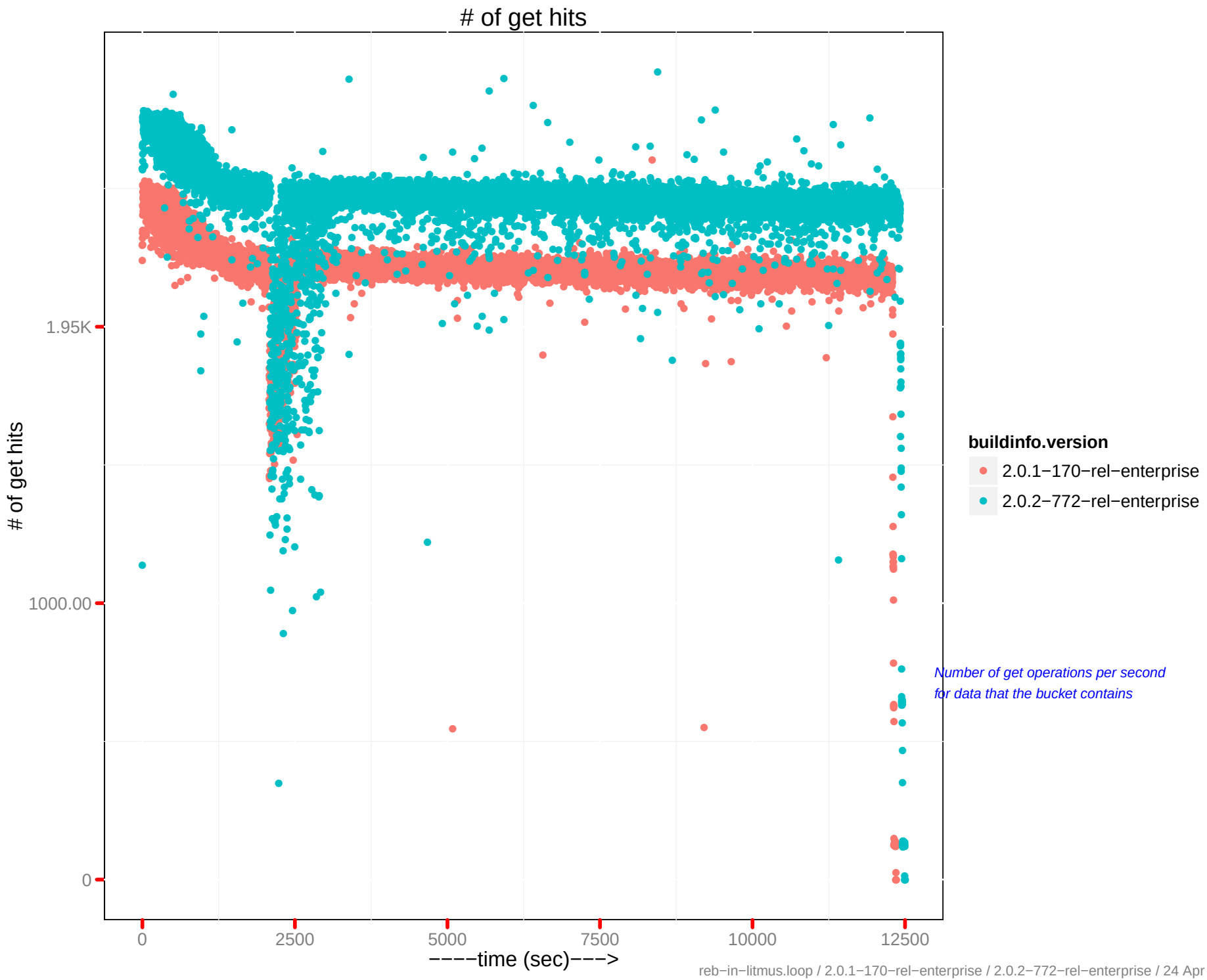

Docs fragmentation
30.00
25.00
20.00
15.00
10.00
%
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
How much fragmented data there is to be compacted compared to real data for the data files in this bucket (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

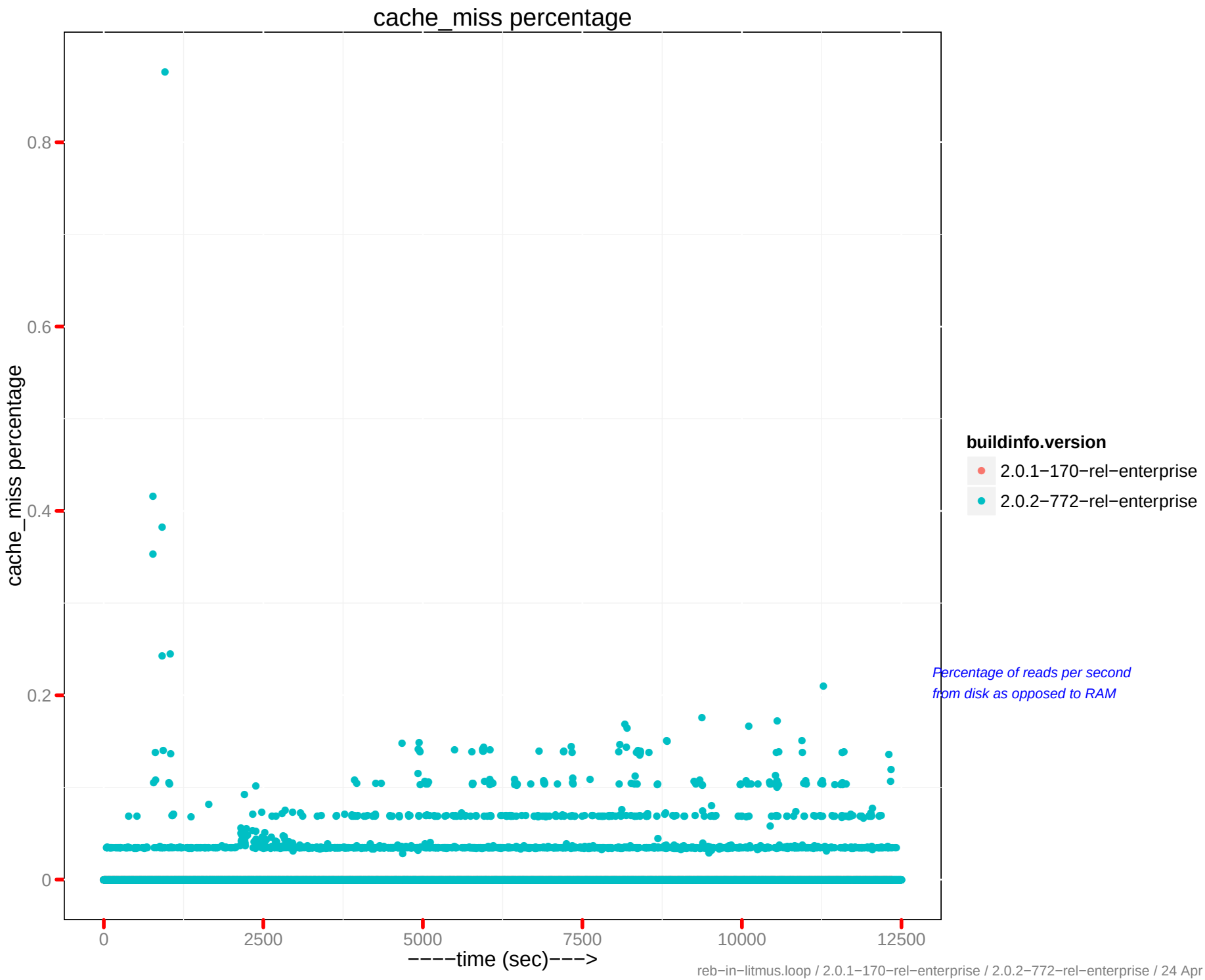

Views fragmentation
% 0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
How much fragmented data there is to be compacted compared to real data for the view index files in this bucket (2.0 only)
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

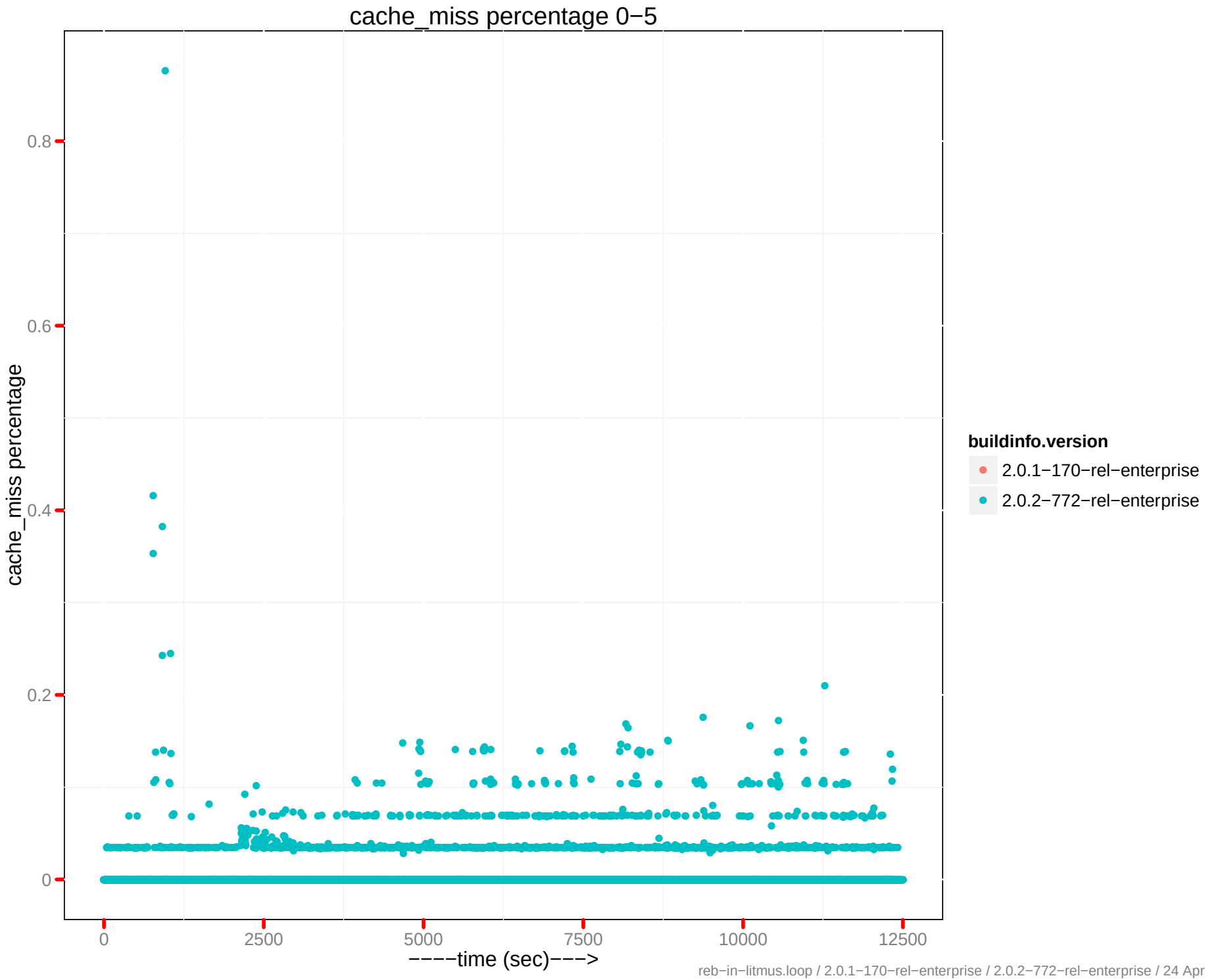

cmd_get ops/sec
2.93K
1.95K
1000.00
0
ops/sec
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Cumulative number of retrieval reqs
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

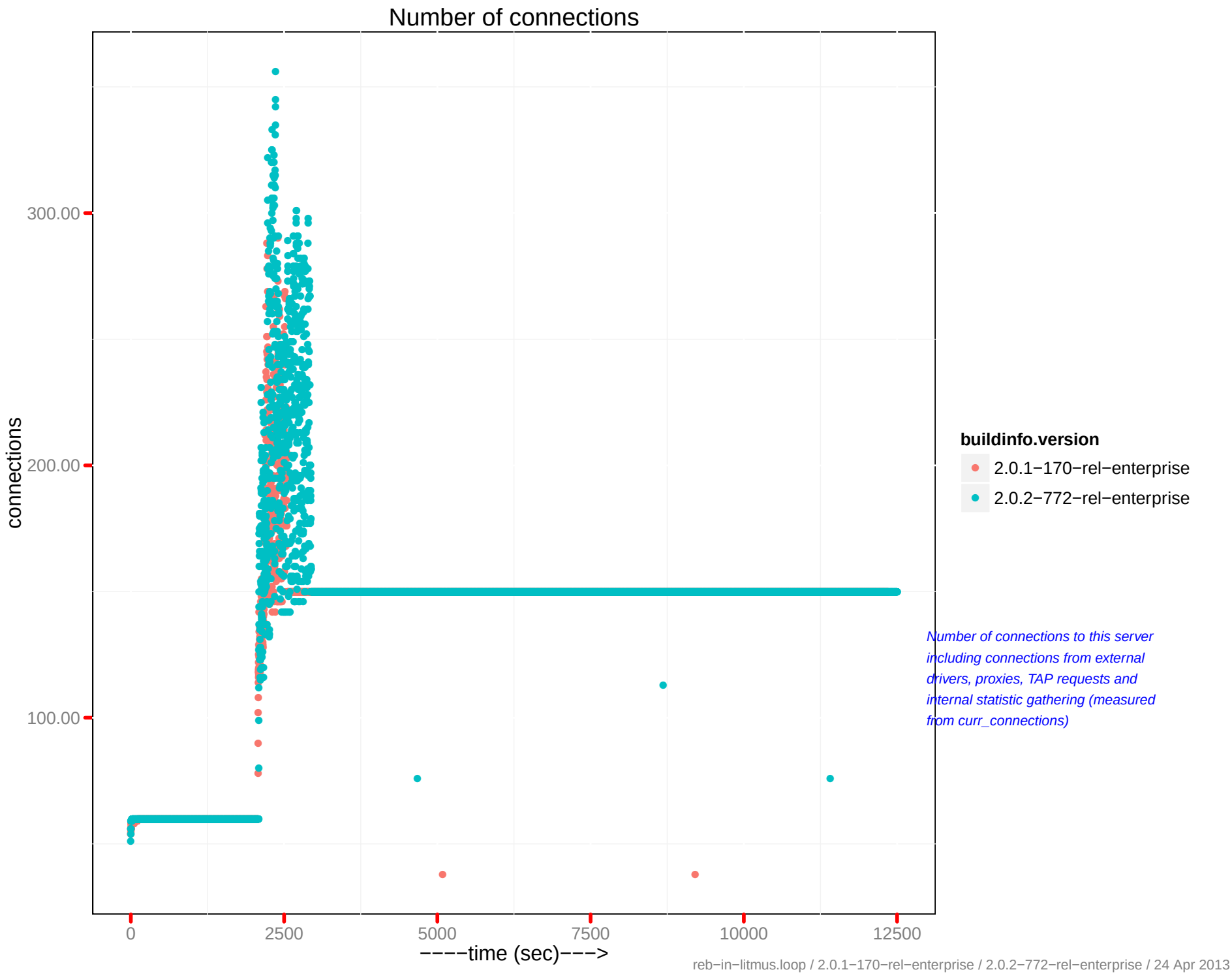

cmd_set ops/sec
2.93K
1.95K
1000.00
0
ops/sec
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Cumulative number of set reqs
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

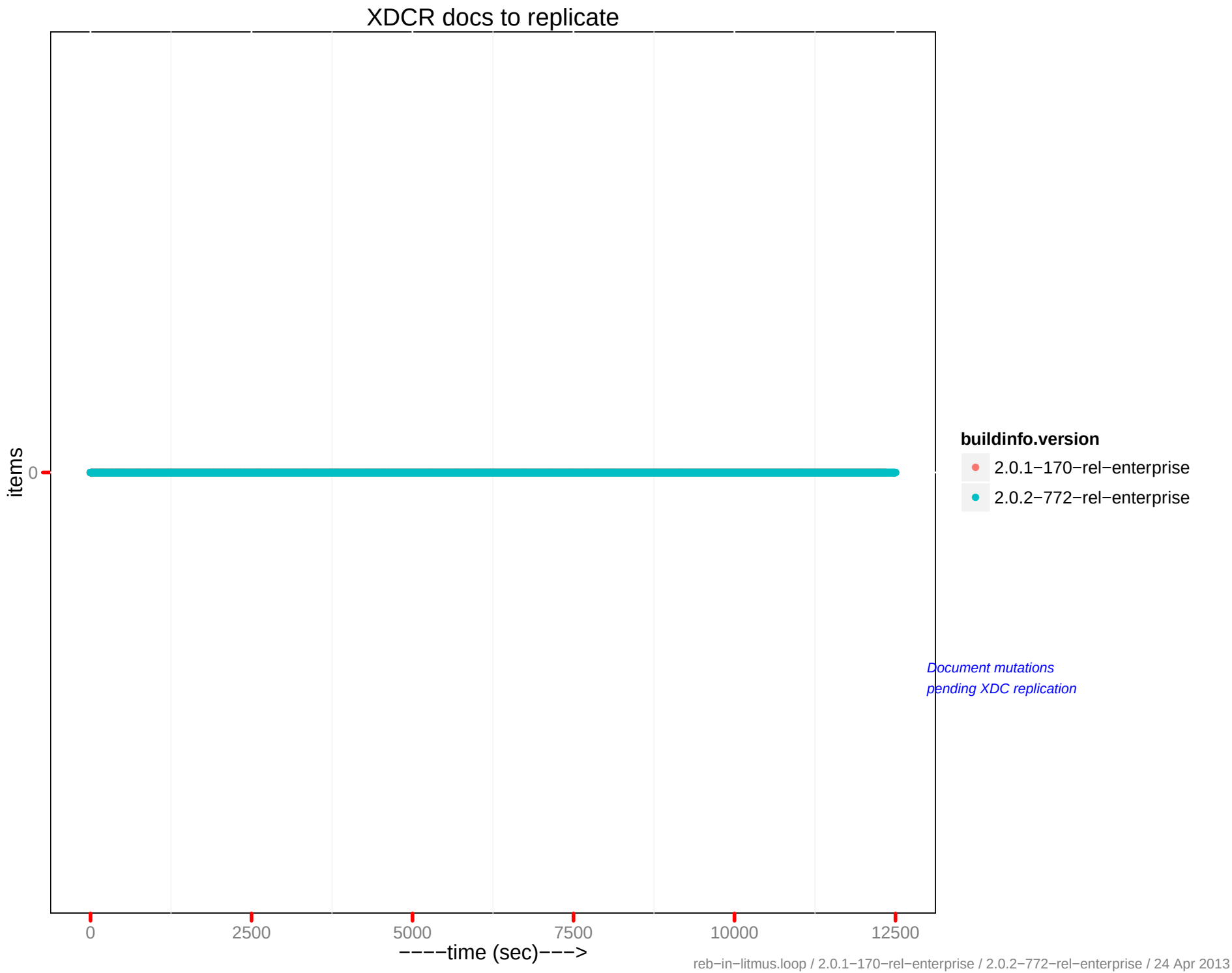

# of get misses
500.00
400.00
300.00
200.00
100.00
0
# of get misses
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of get operations per second
for data that the bucket does not contain
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

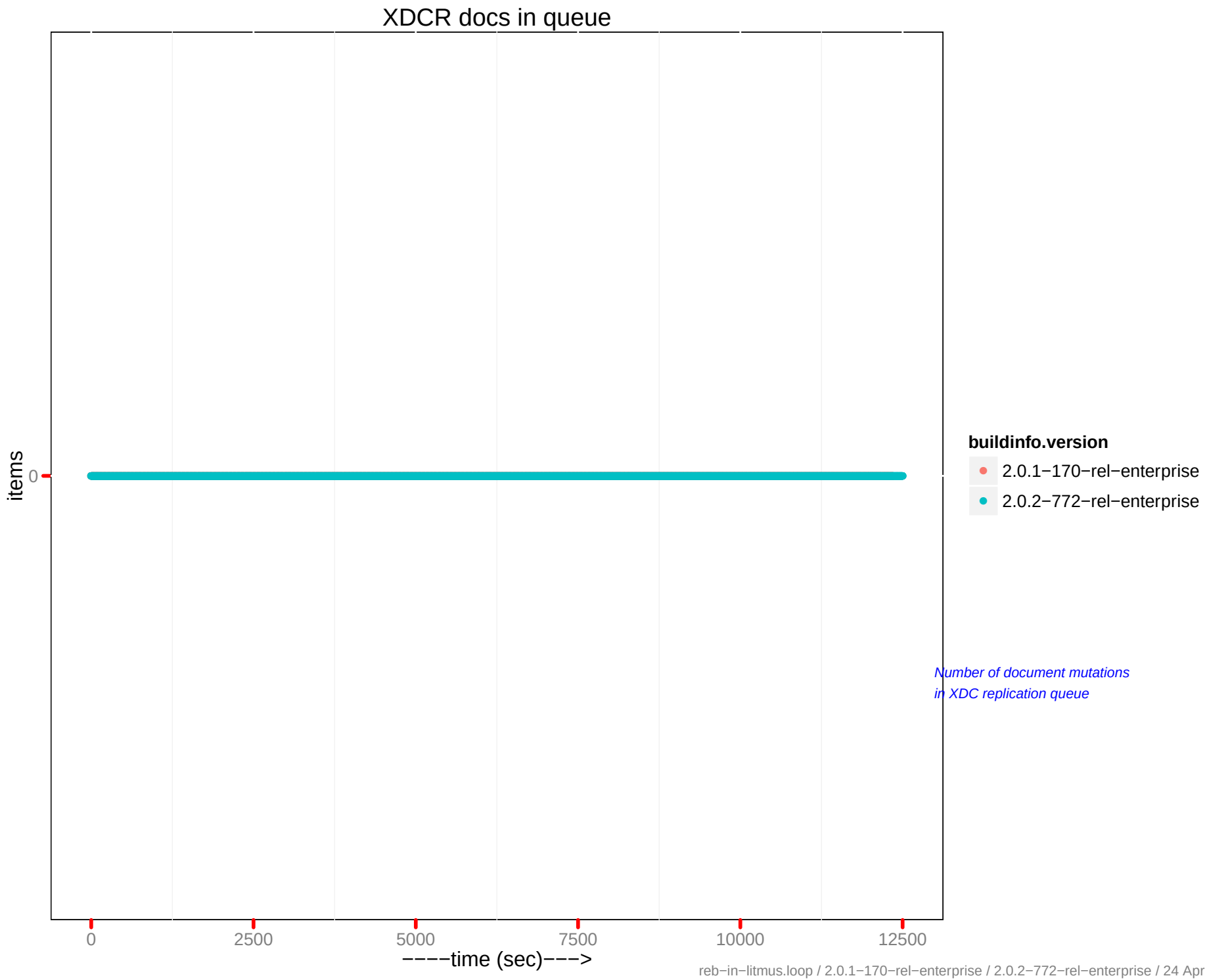

# of get hits
# of get hits
1.95K
1000.00
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of get operations per second
for data that the bucket contains
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

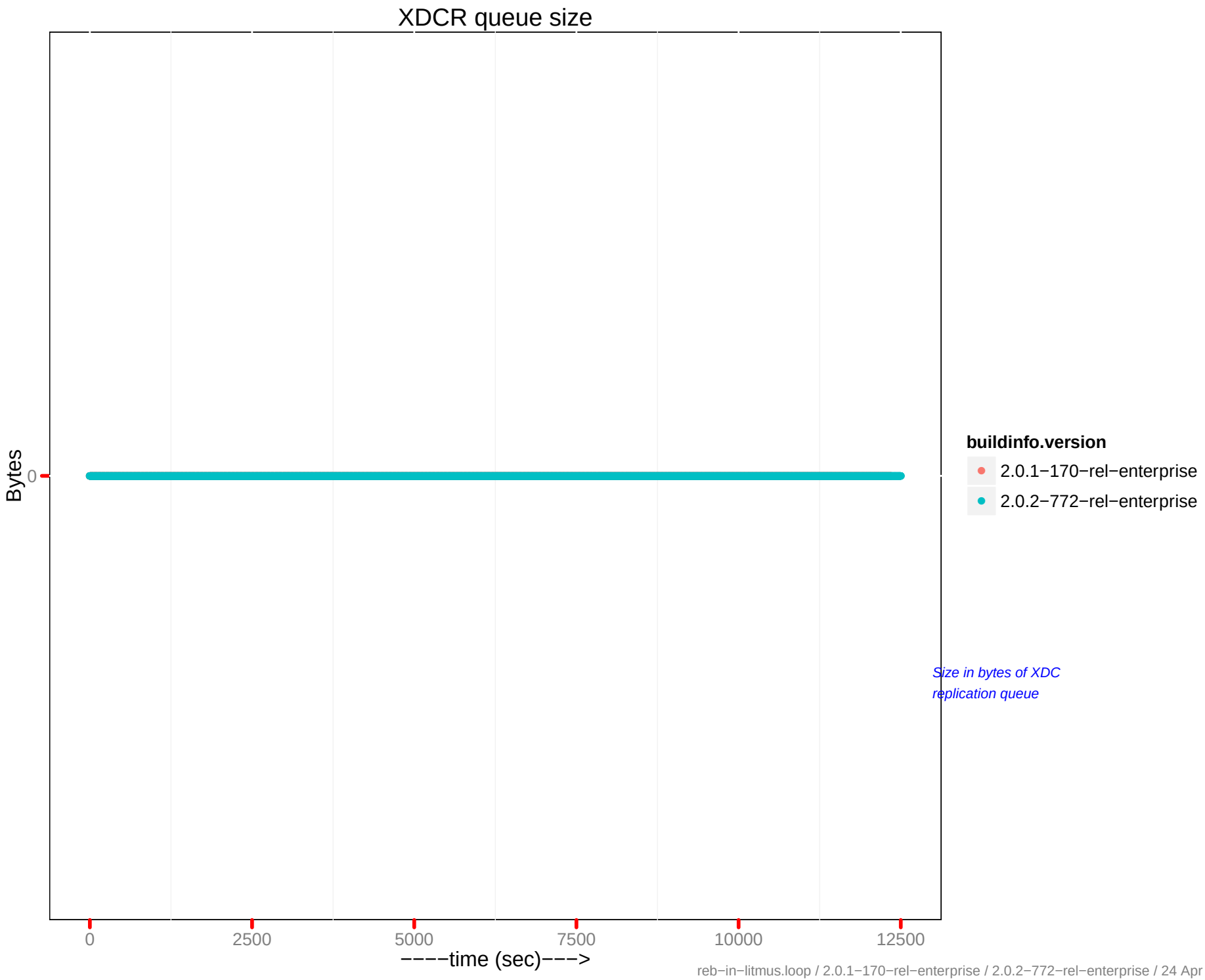

cache_miss percentage
cache_miss percentage
0.8
0.6
0.4
0.2
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Percentage of reads per second
from disk as opposed to RAM
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

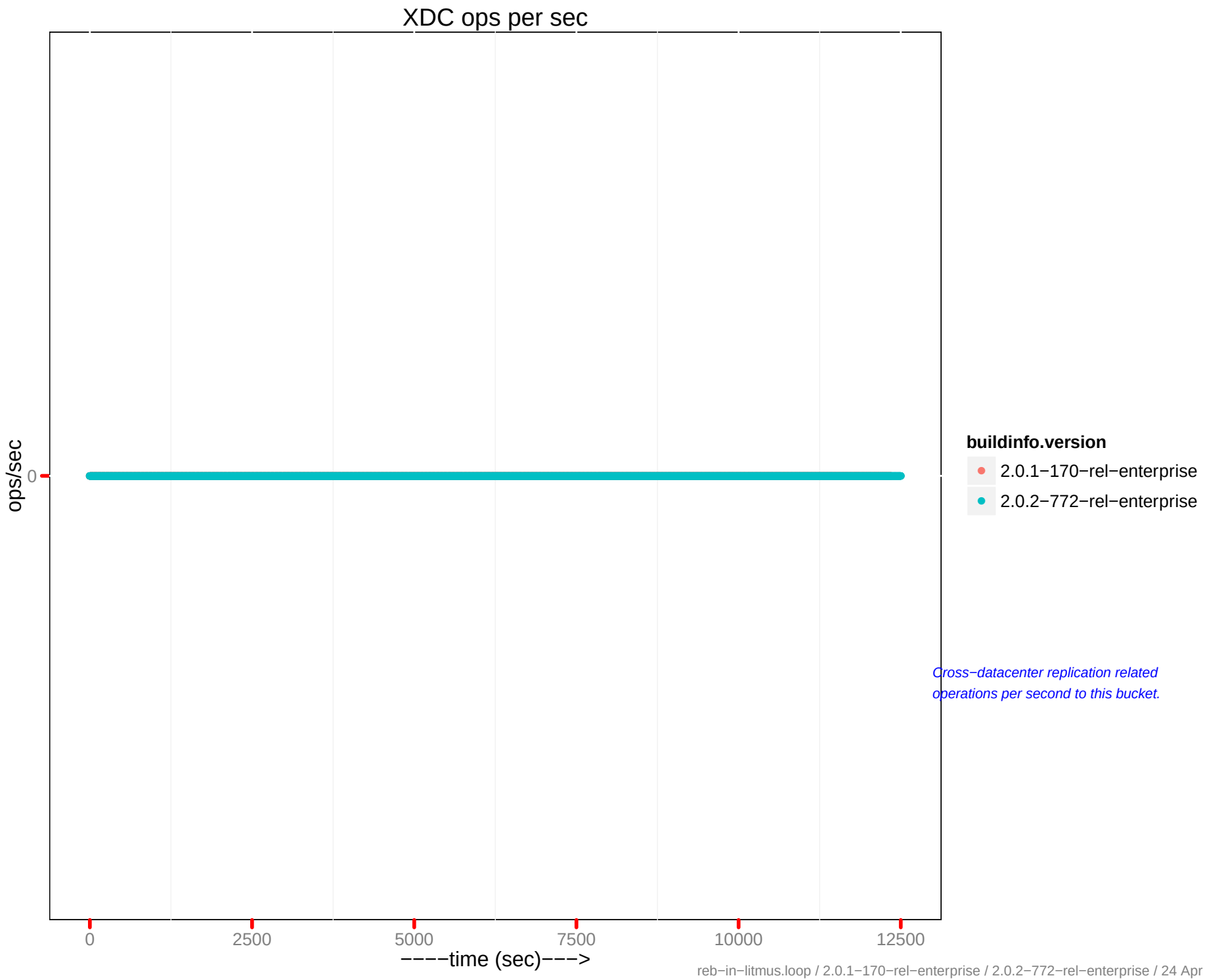

cache_miss percentage 0−5
cache_miss percentage
0.8
0.6
0.4
0.2
0
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

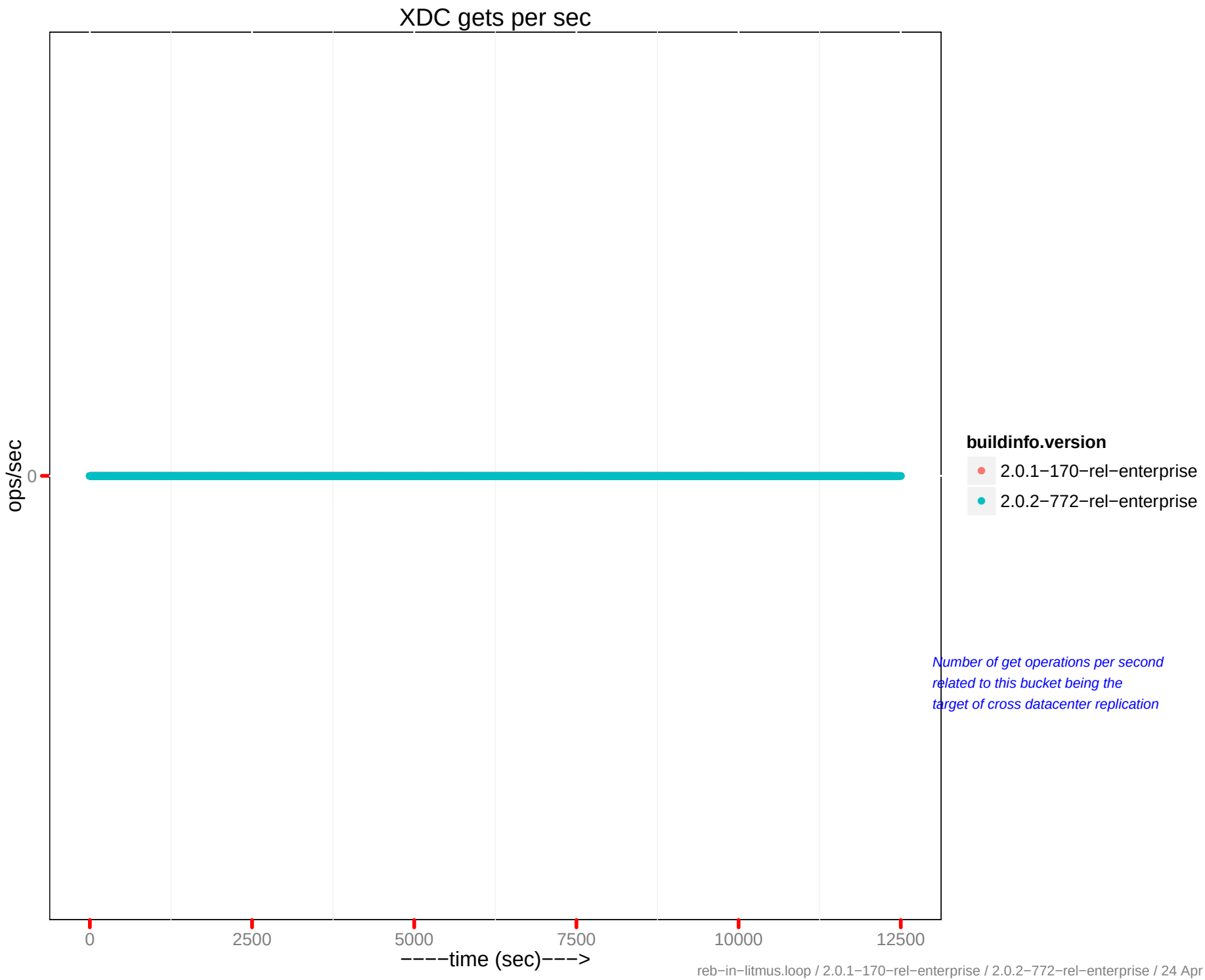

Number of connections
connections
300.00
200.00
100.00
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
Number of connections to this server including connections from external drivers, proxies, TAP requests and internal statistic gathering (measured from curr_connections)
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

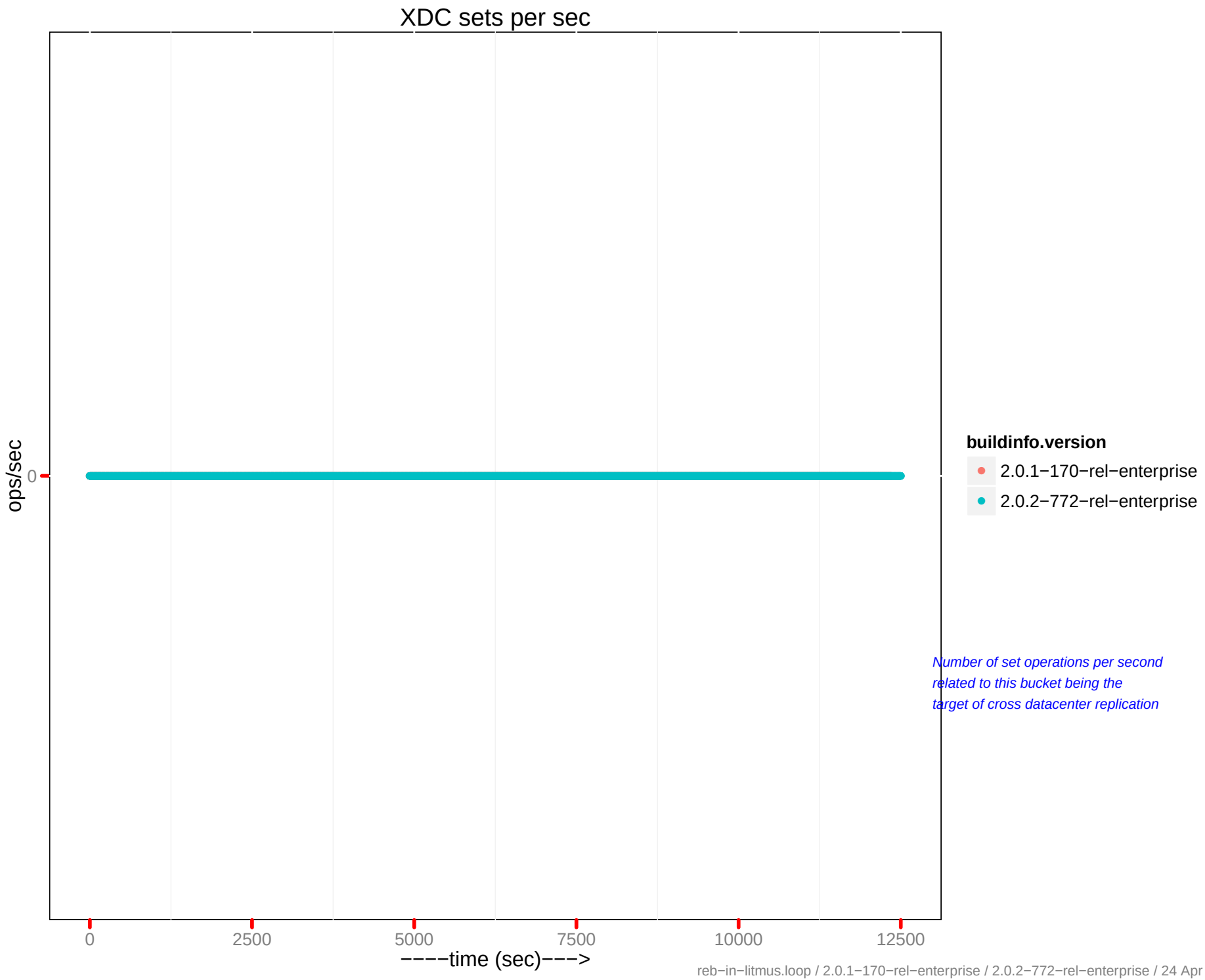

XDCR docs to replicate
items
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Document mutations
pending XDC replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

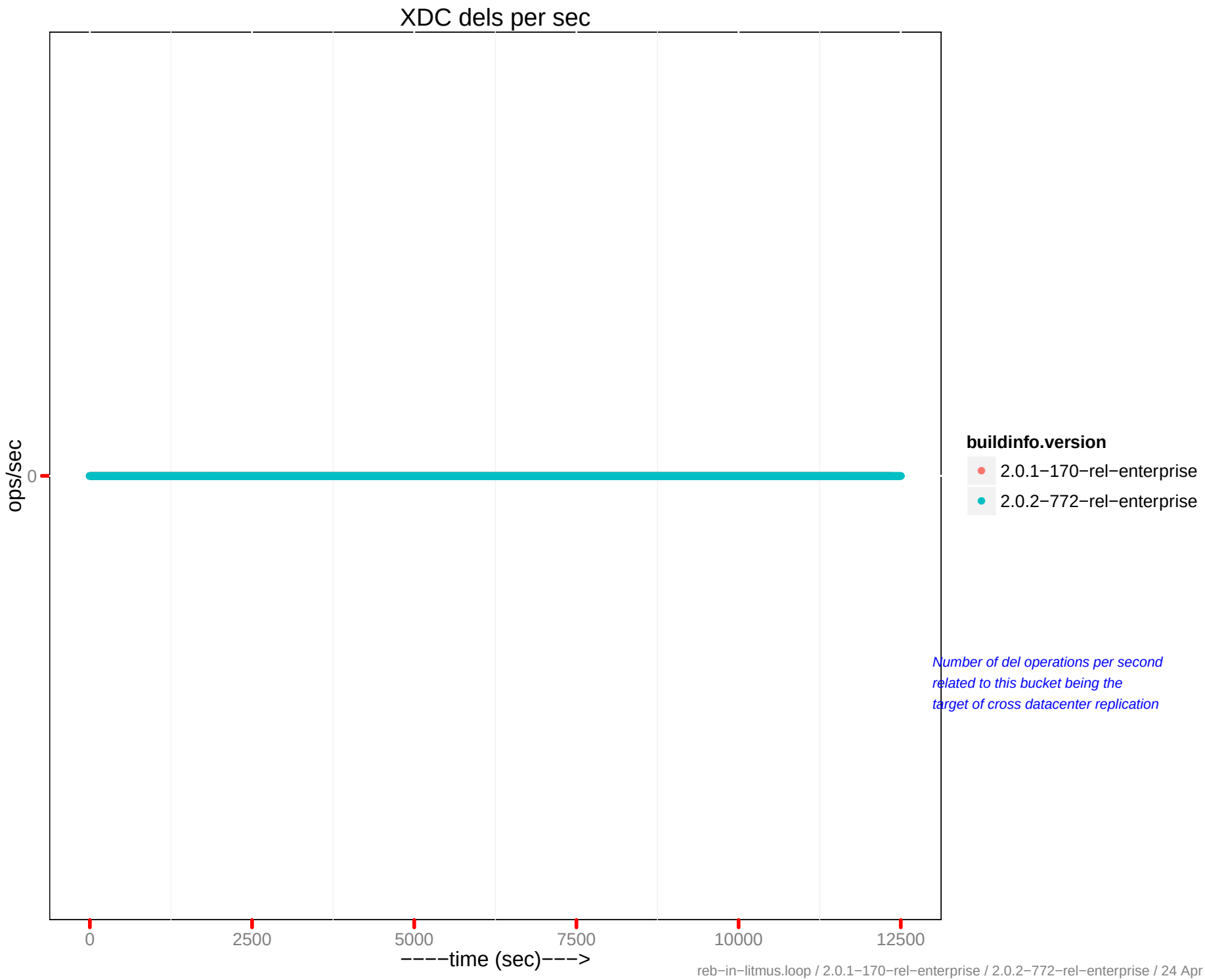

XDCR docs in queue
items
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of document mutations
in XDC replication queue
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

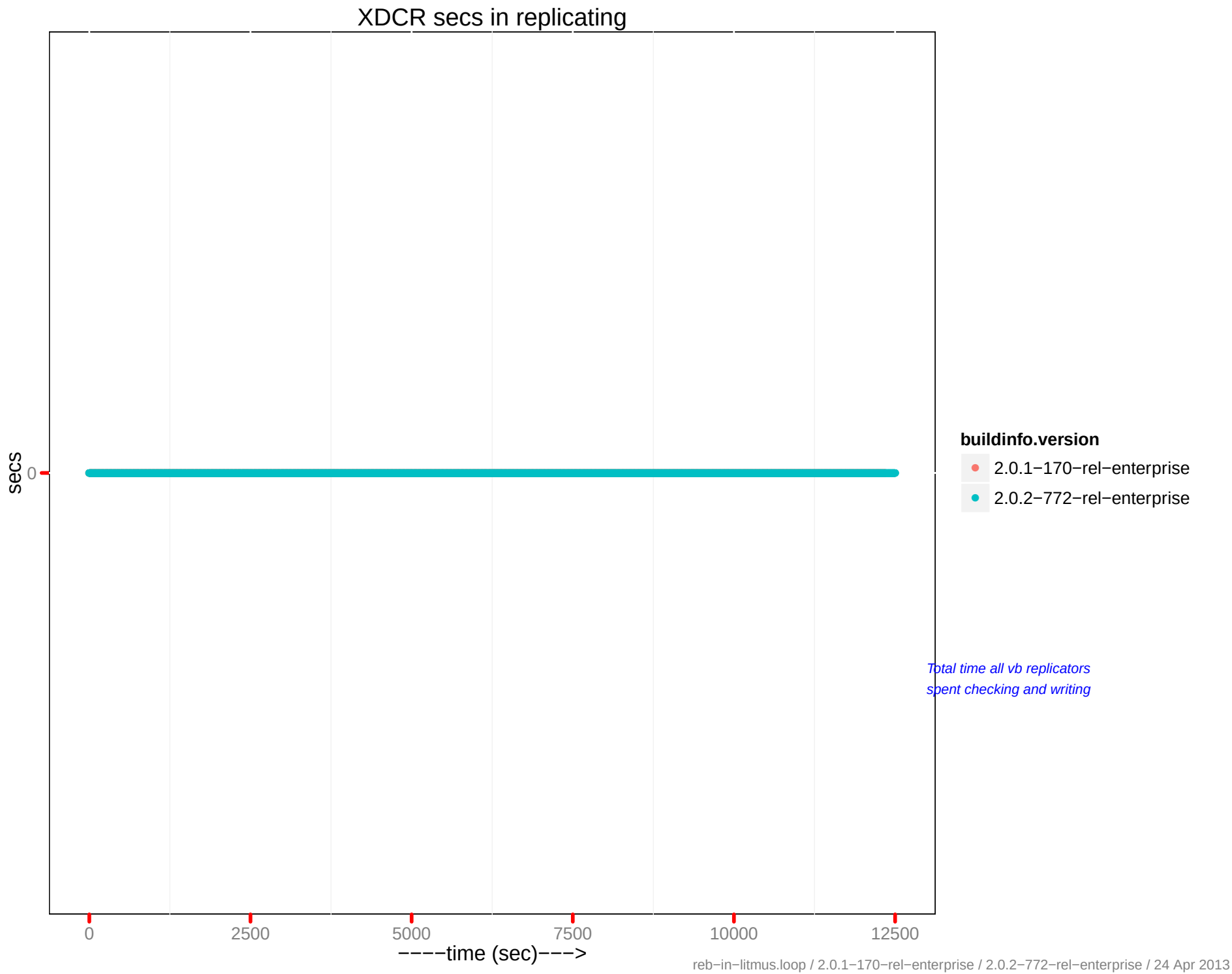

XDCR queue size
Bytes
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Size in bytes of XDC replication queue
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

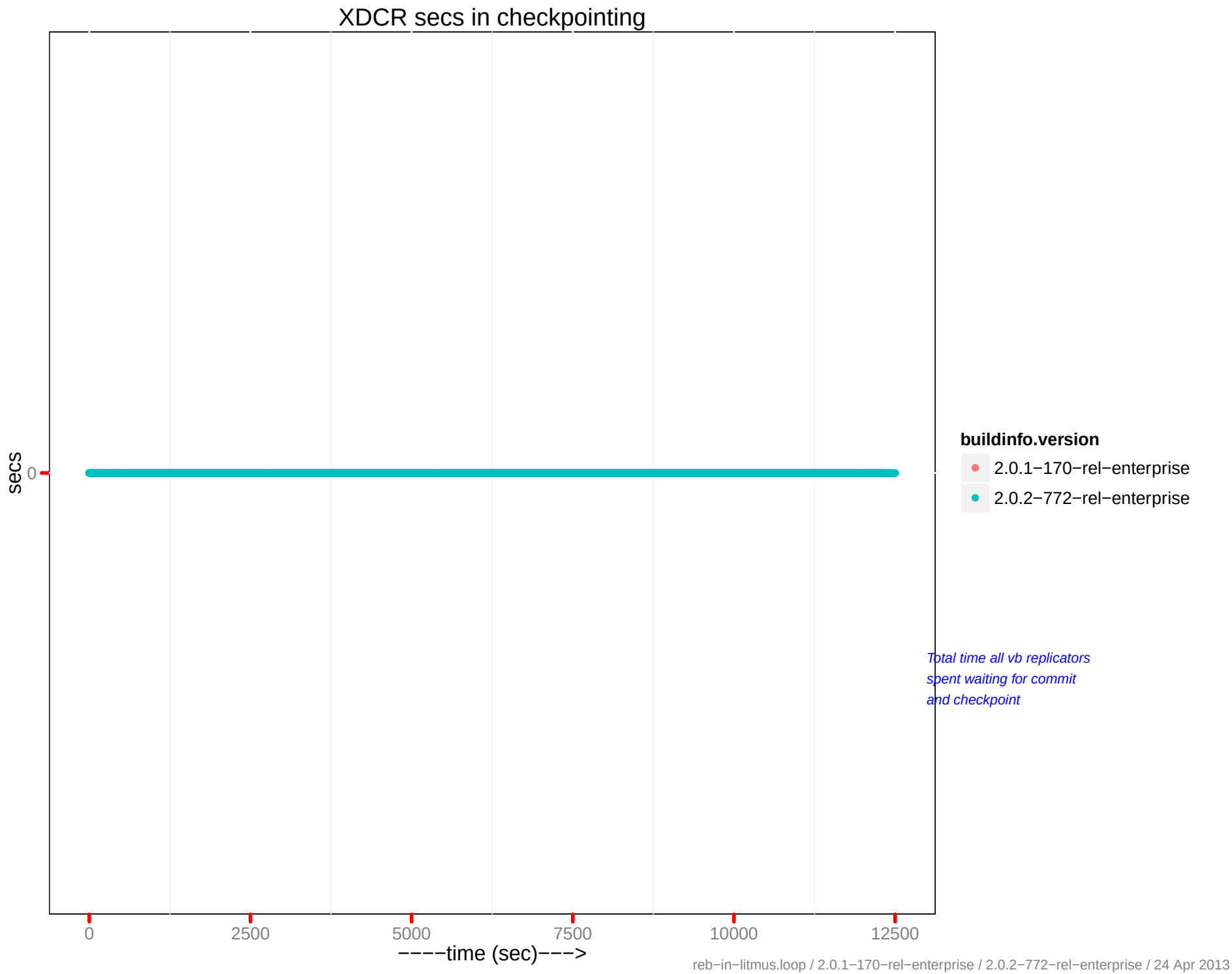

XDC ops per sec
ops/sec
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Cross-datacenter replication related operations per second to this bucket.
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

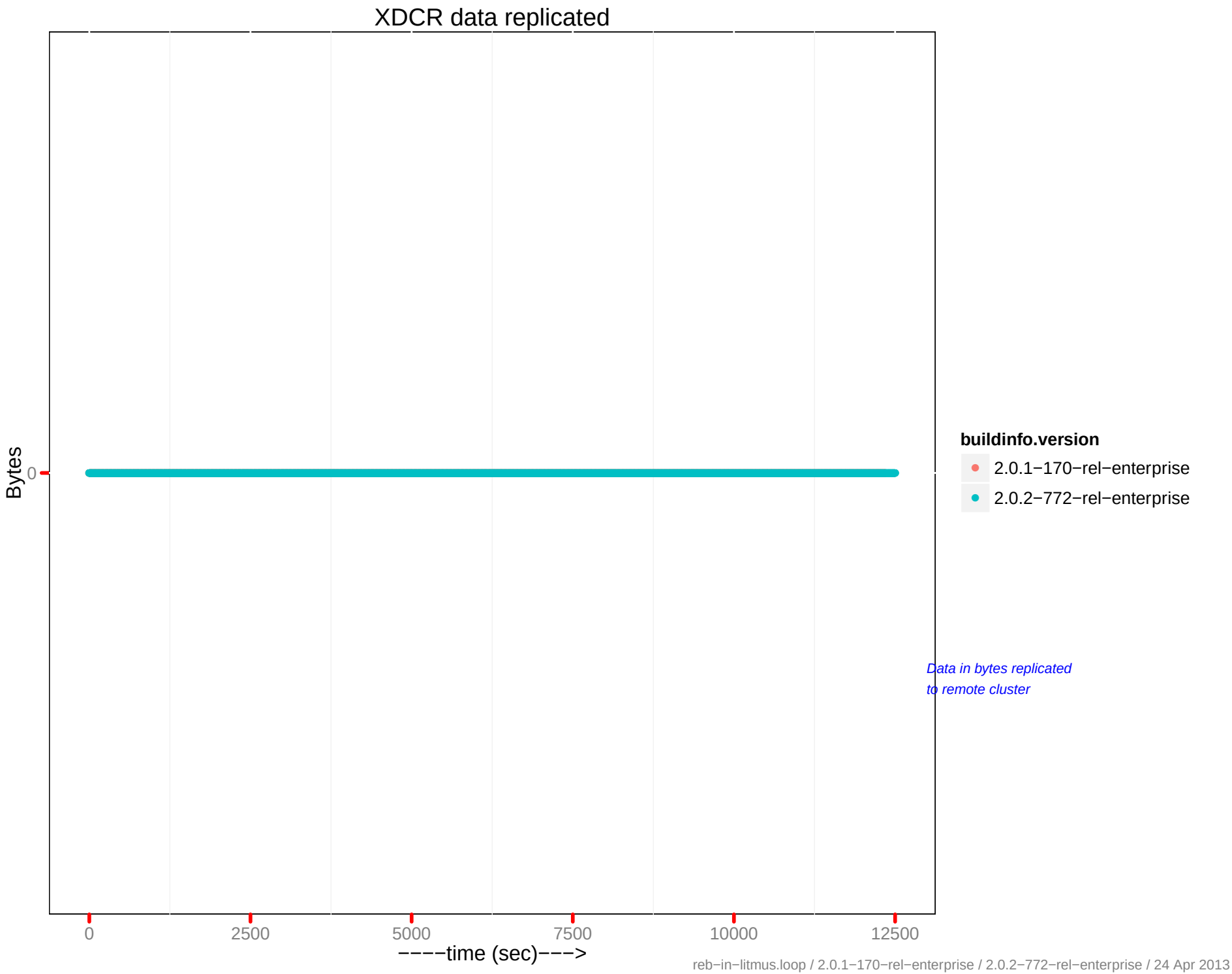

XDC gets per sec
ops/sec
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of get operations per second related to this bucket being the target of cross datacenter replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

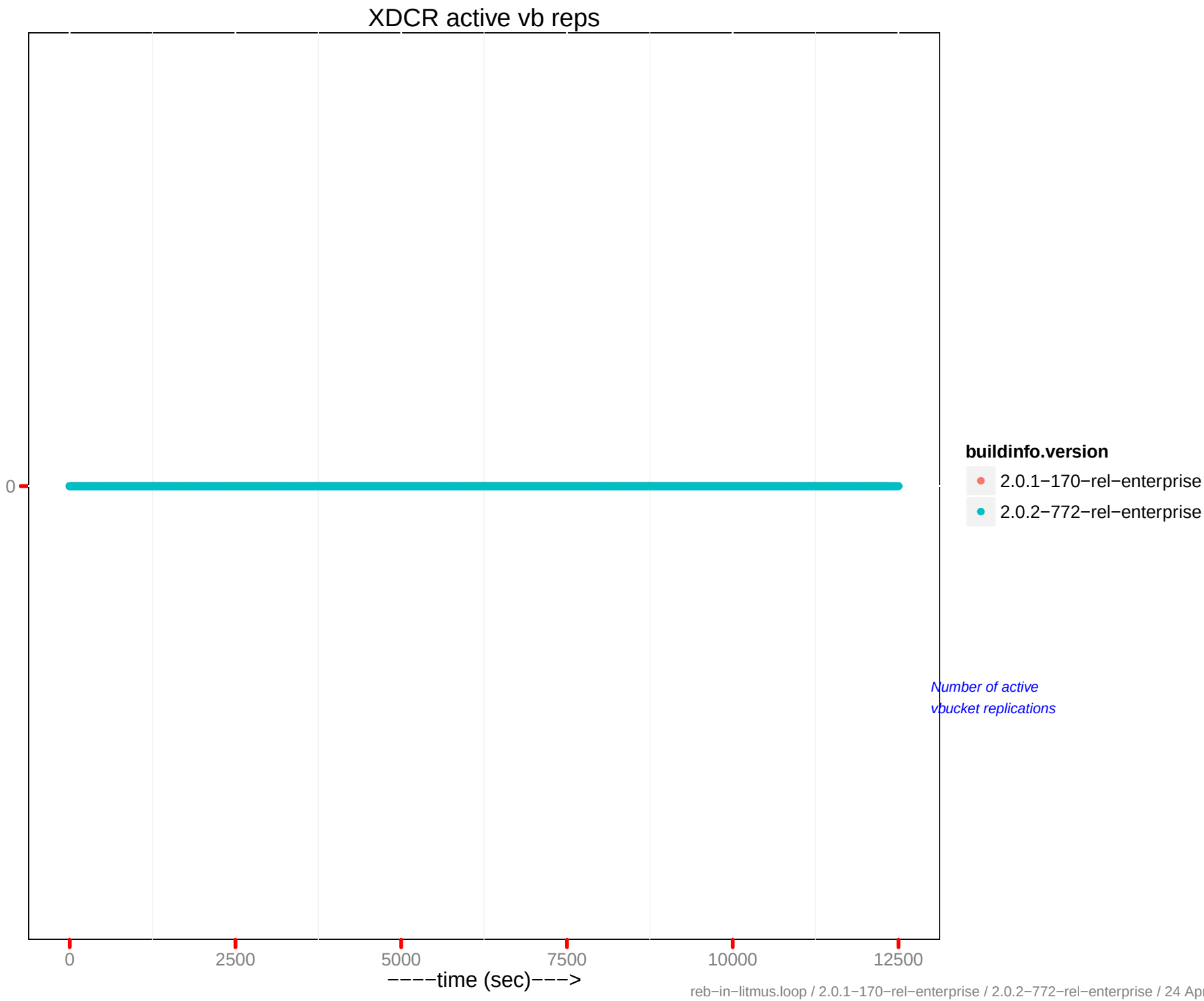

XDC sets per sec
ops/sec
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of set operations per second
related to this bucket being the
target of cross datacenter replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

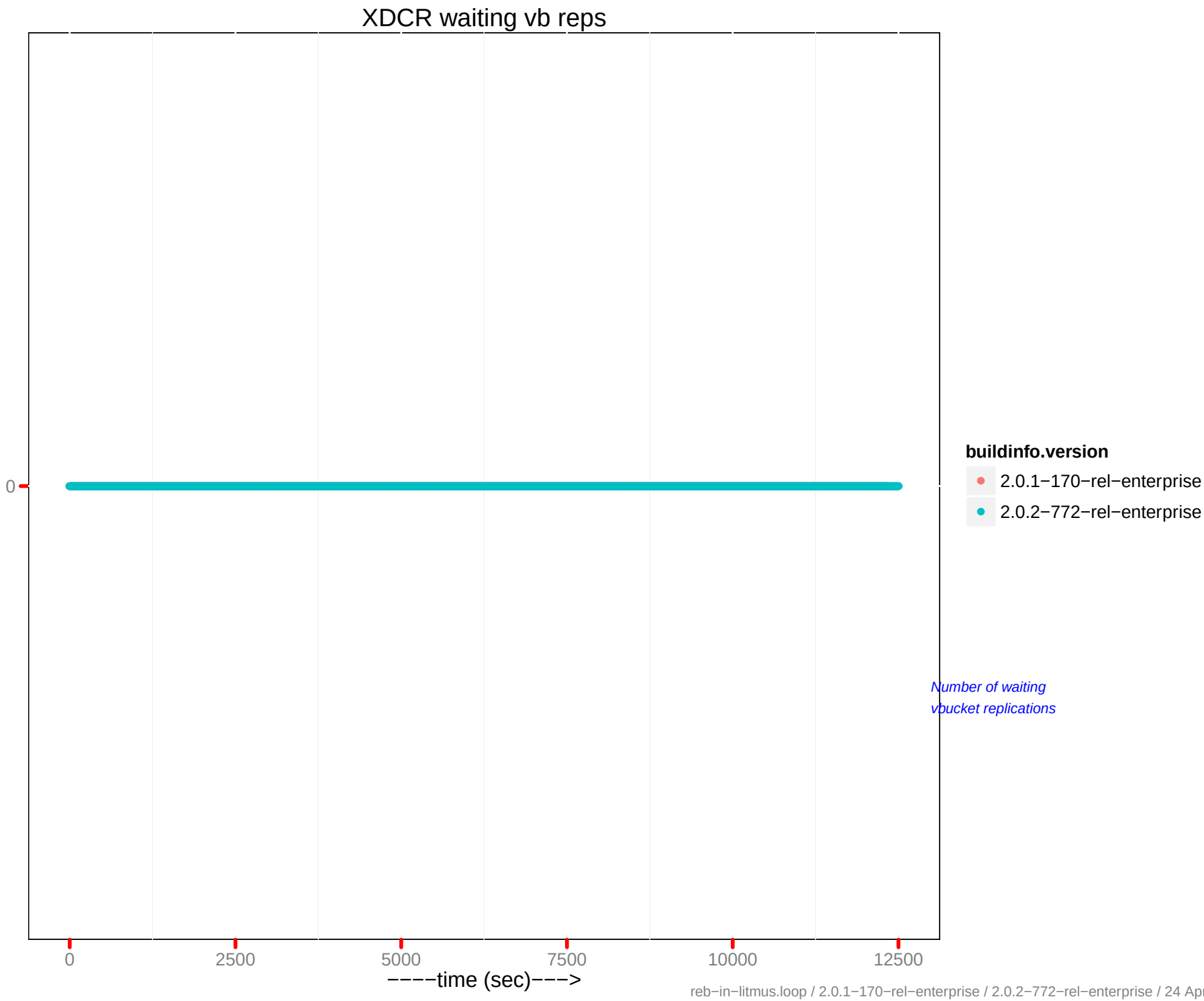

XDC dels per sec
ops/sec
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of del operations per second
related to this bucket being the
target of cross datacenter replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

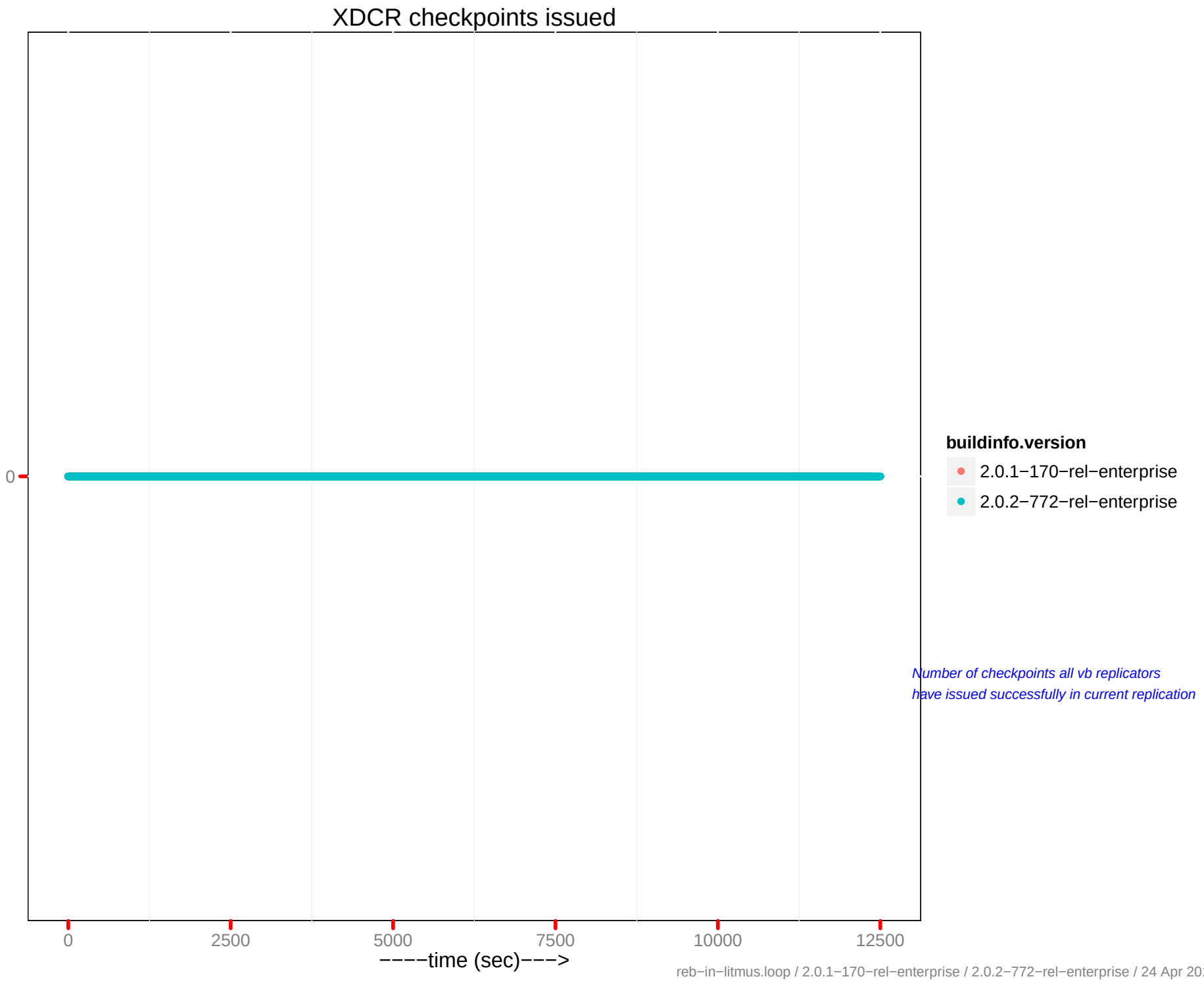

XDCR secs in replicating
secs
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Total time all vb replicators
spent checking and writing
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

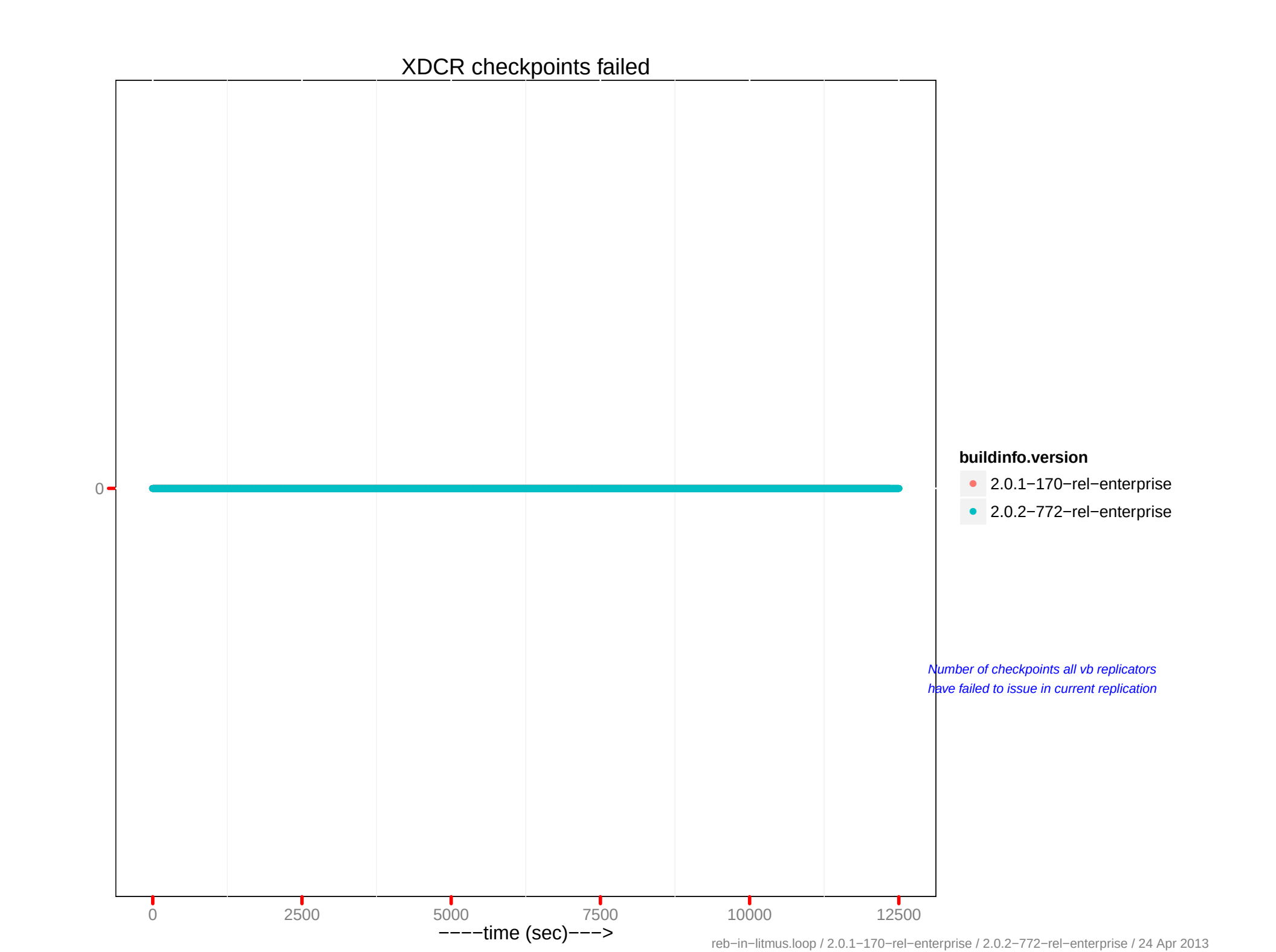

XDCR secs in checkpointing
secs
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Total time all vb replicators
spent waiting for commit
and checkpoint
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

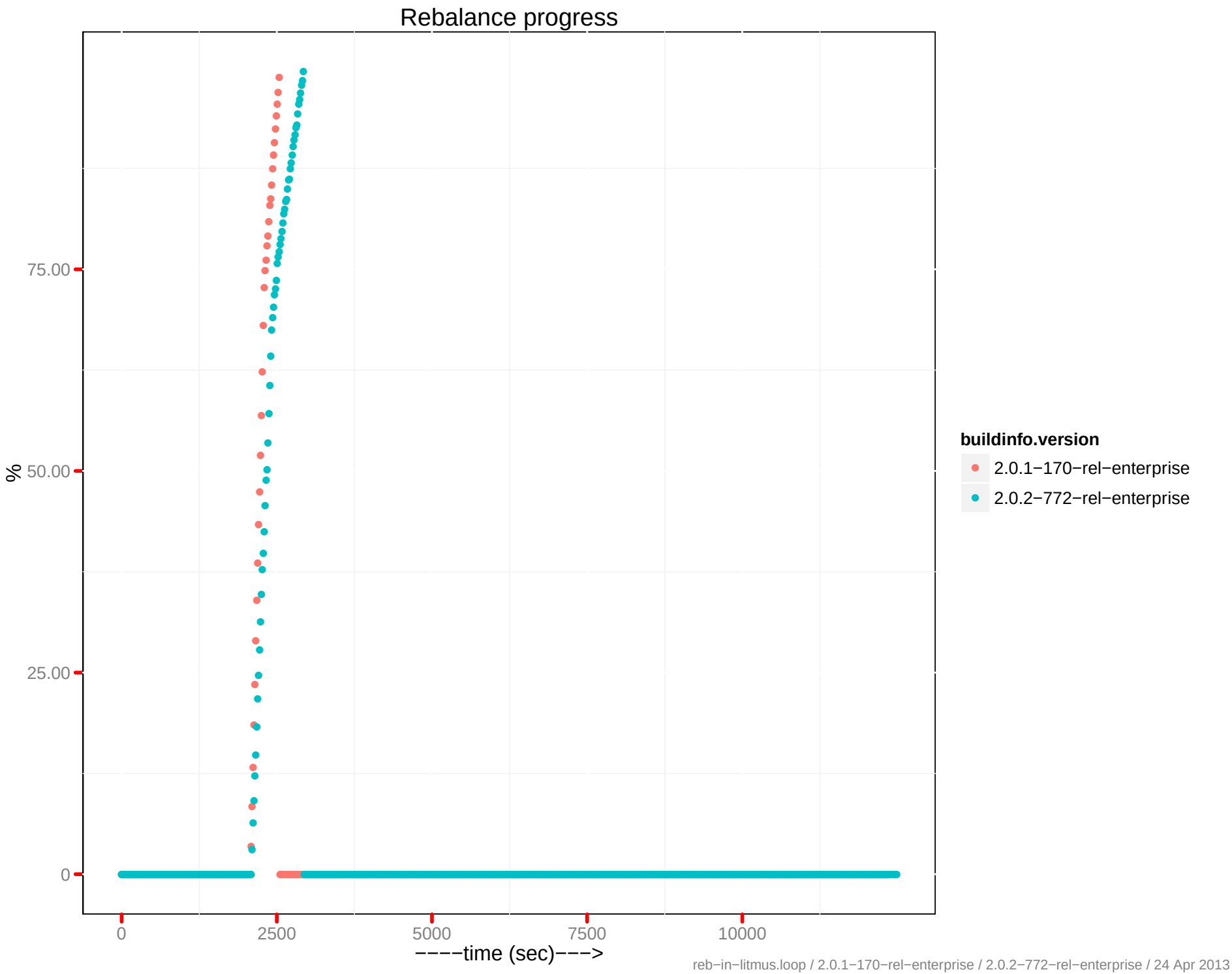

XDCR data replicated
Bytes
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Data in bytes replicated
to remote cluster
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

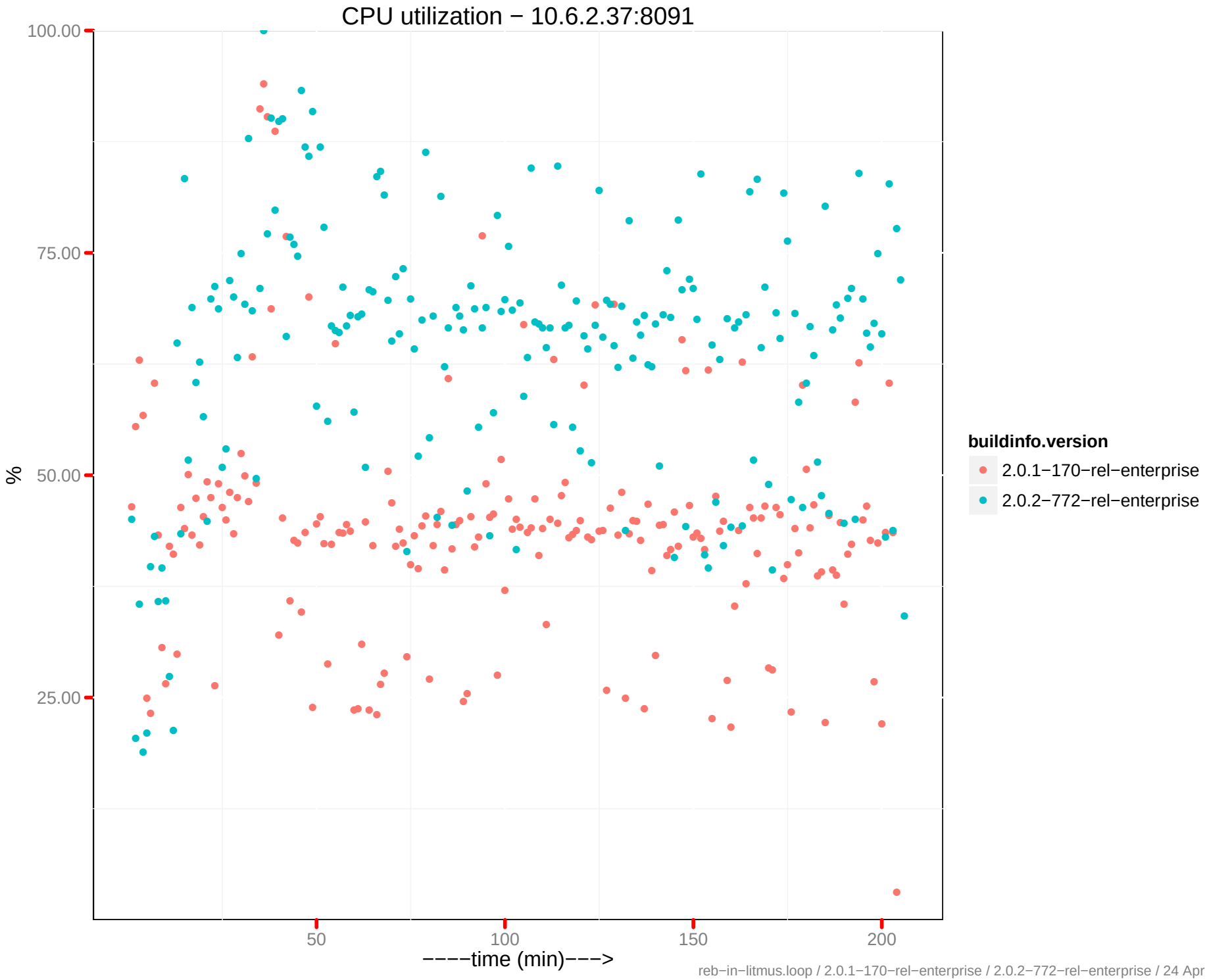

XDCR active vb reps
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of active
vbucket replications
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

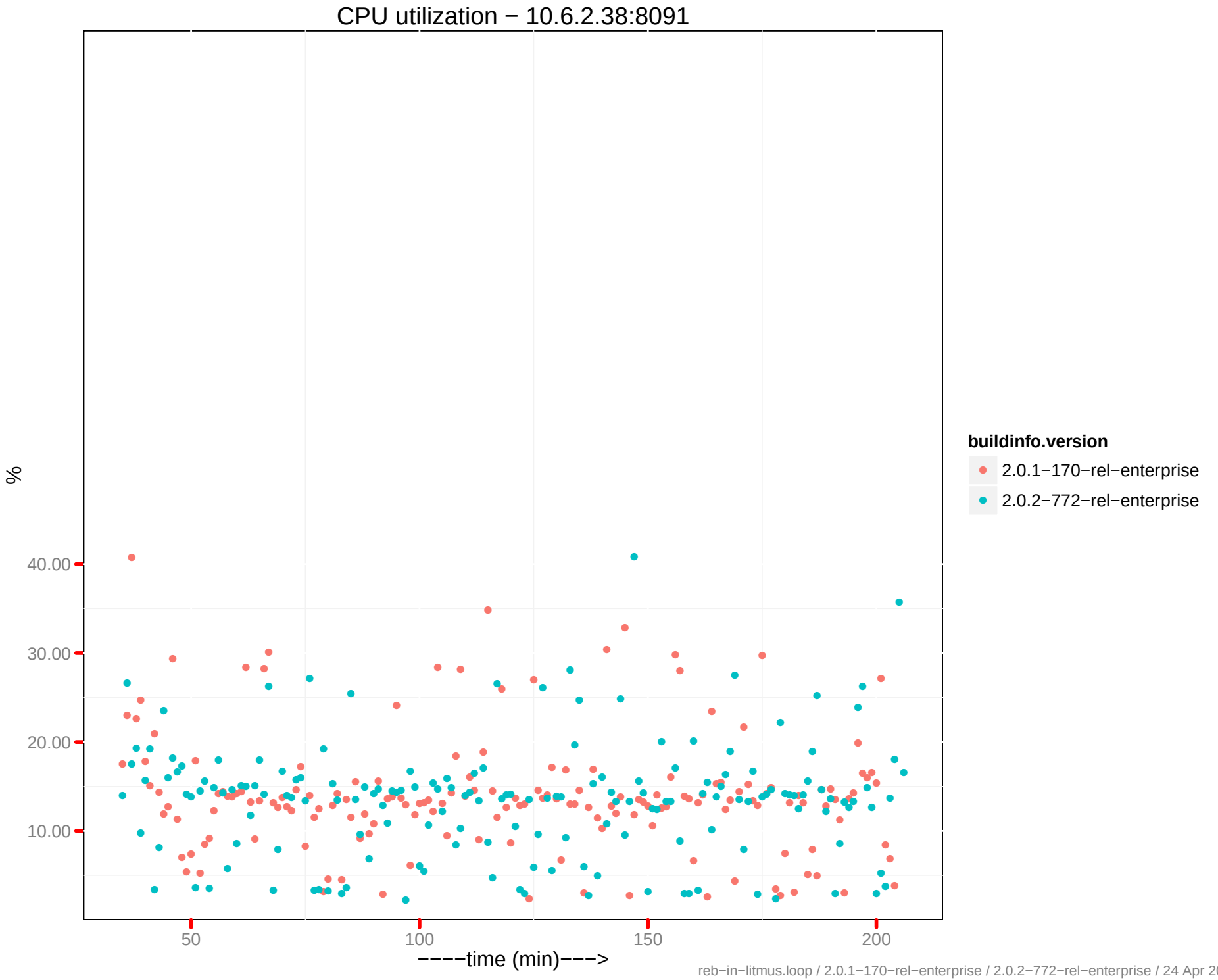

XDCR waiting vb reps
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of waiting
vbucket replications
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

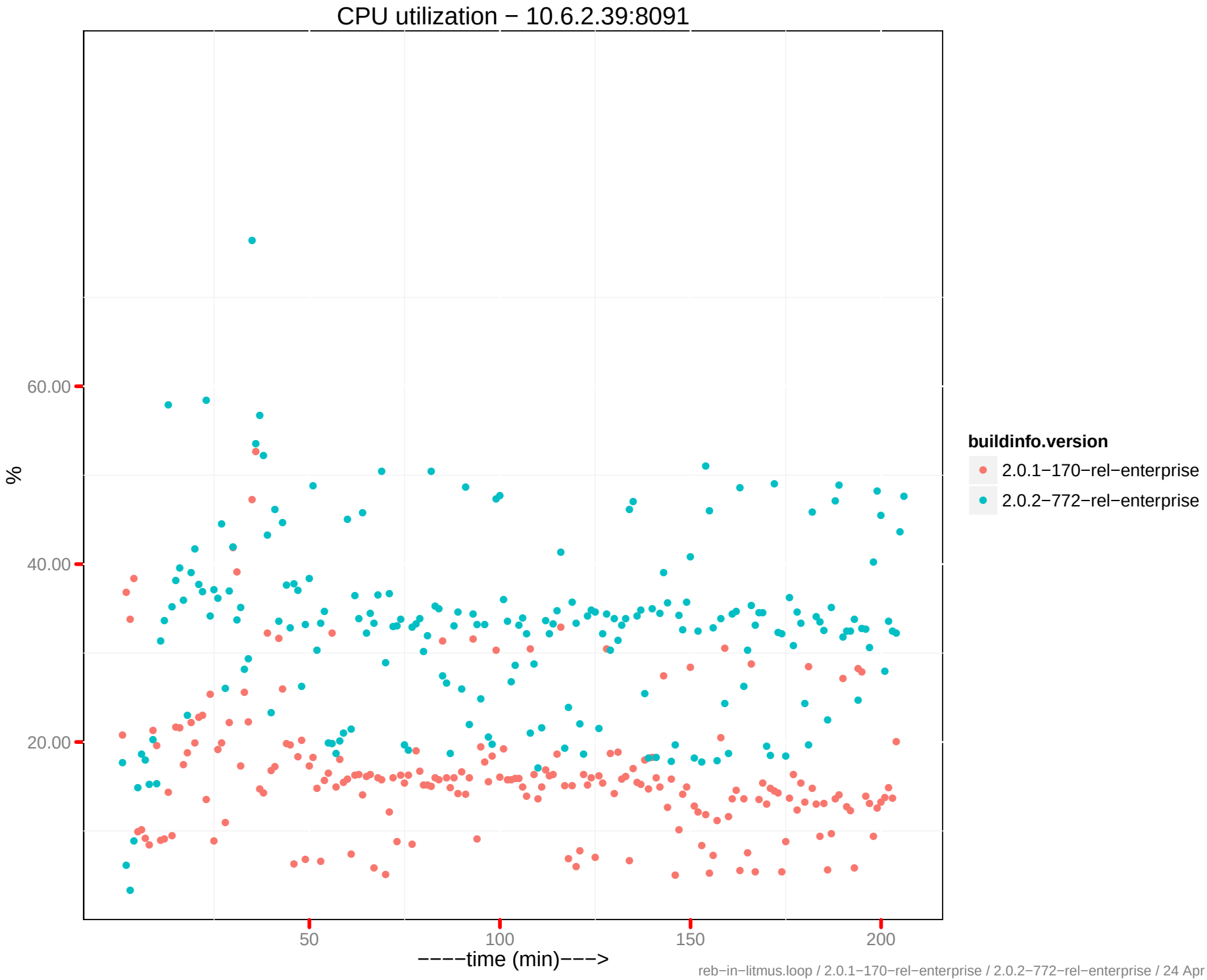

XDCR checkpoints issued
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of checkpoints all vb replicators
have issued successfully in current replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

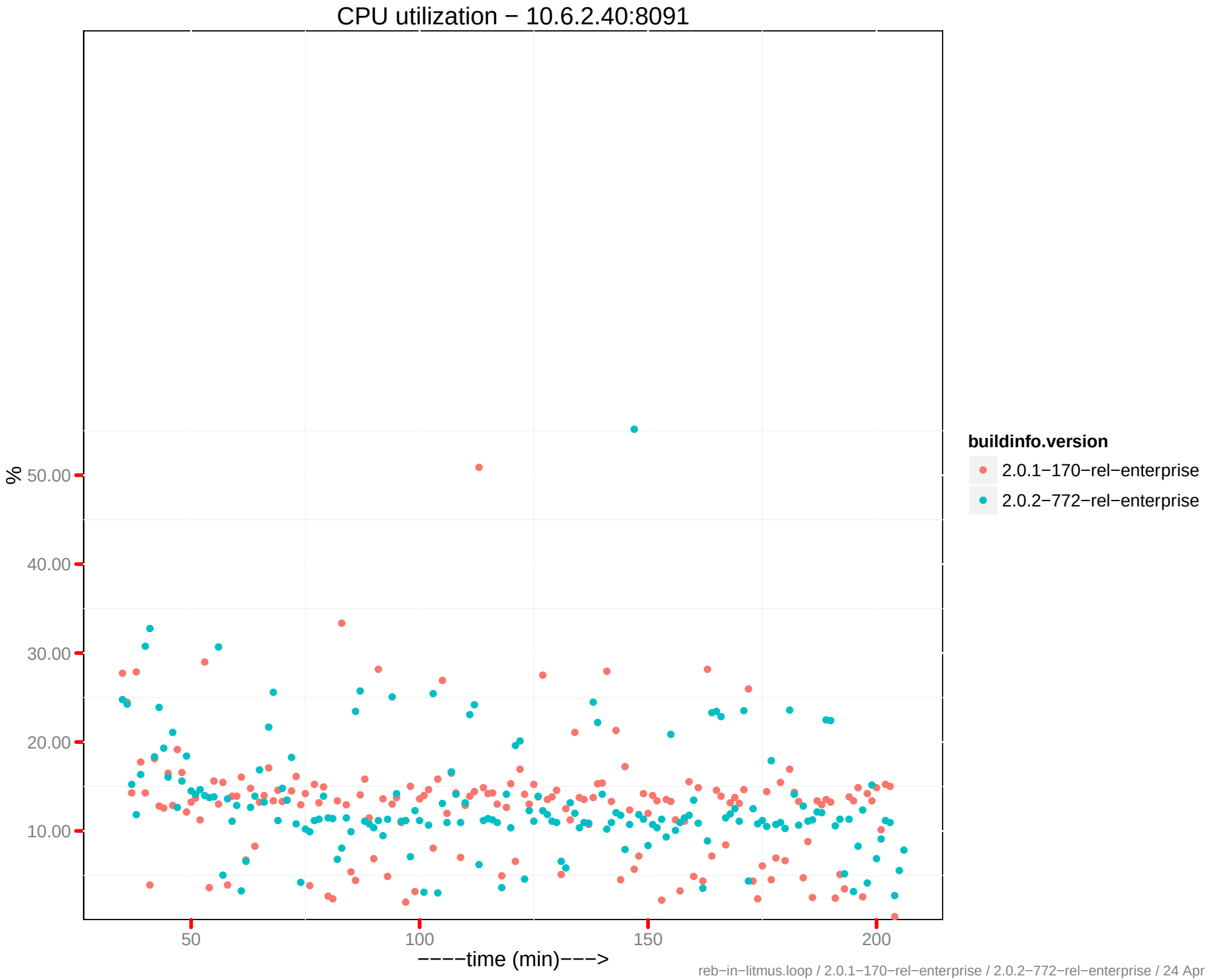

XDCR checkpoints failed
0
0
2500
5000
7500
10000
12500
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Number of checkpoints all vb replicators
have failed to issue in current replication
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

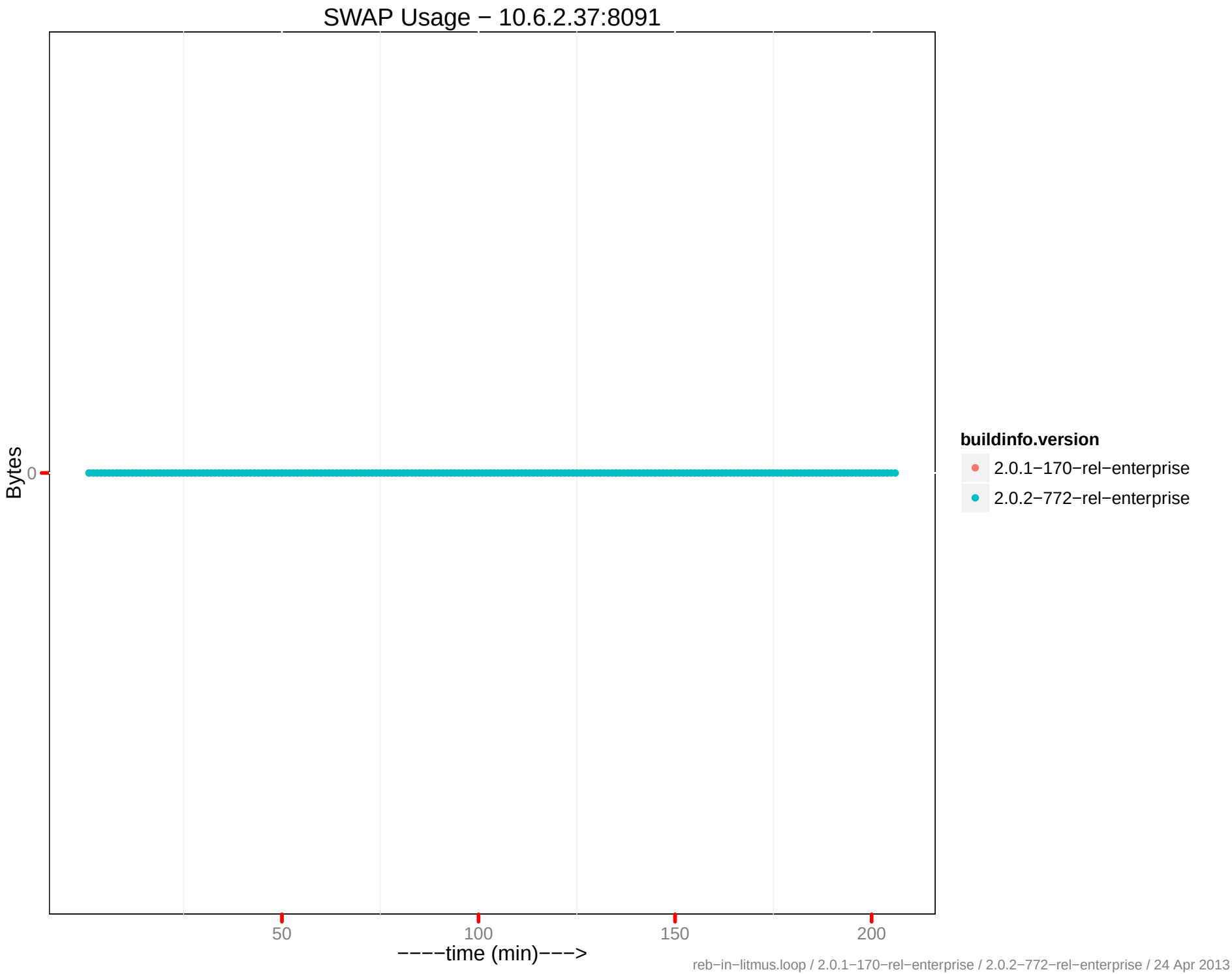

Rebalance progress
75.00
50.00
25.00
0
%
0
2500
5000
7500
10000
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

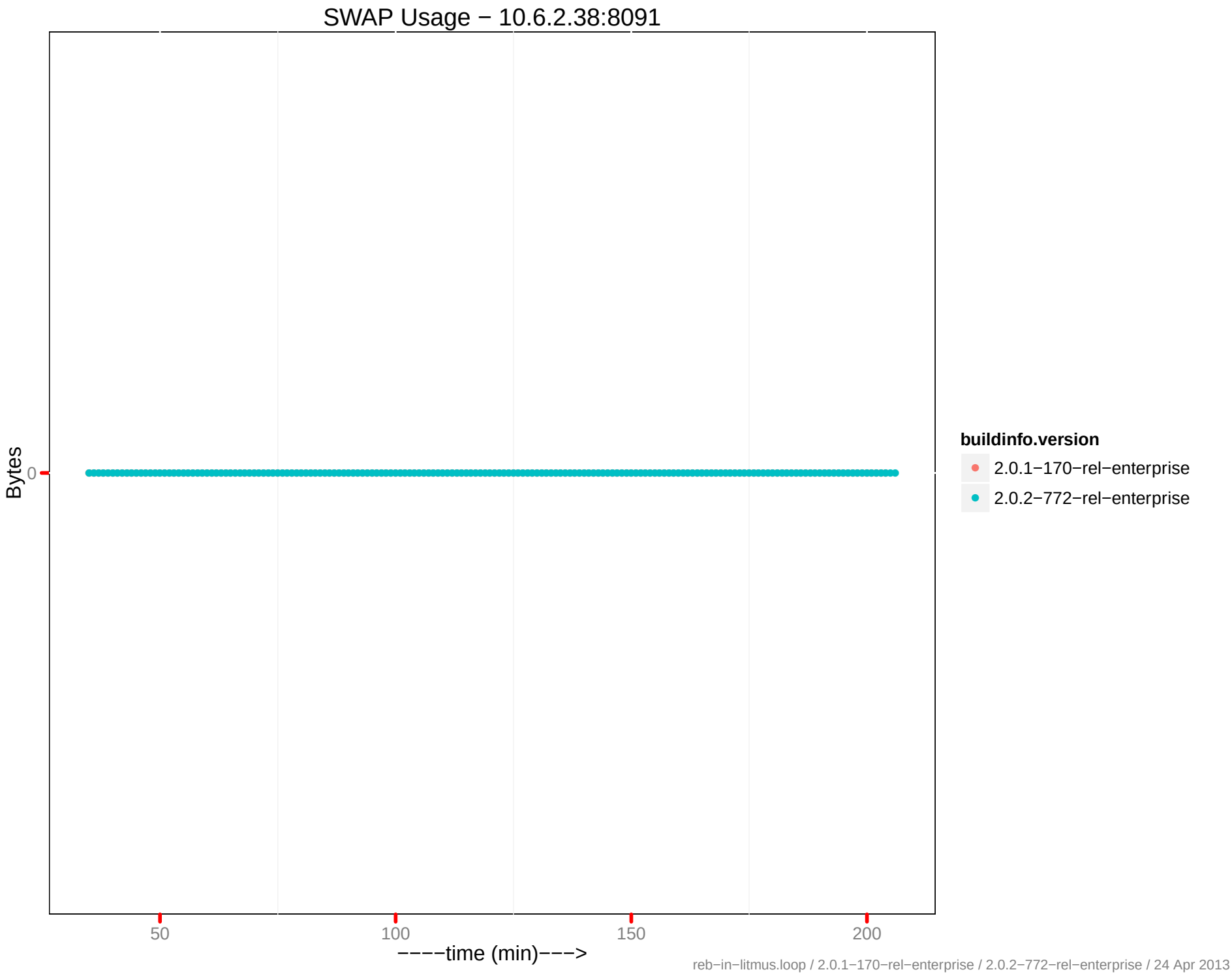

CPU utilization − 10.6.2.37:8091
100.00
75.00
50.00
25.00
%
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

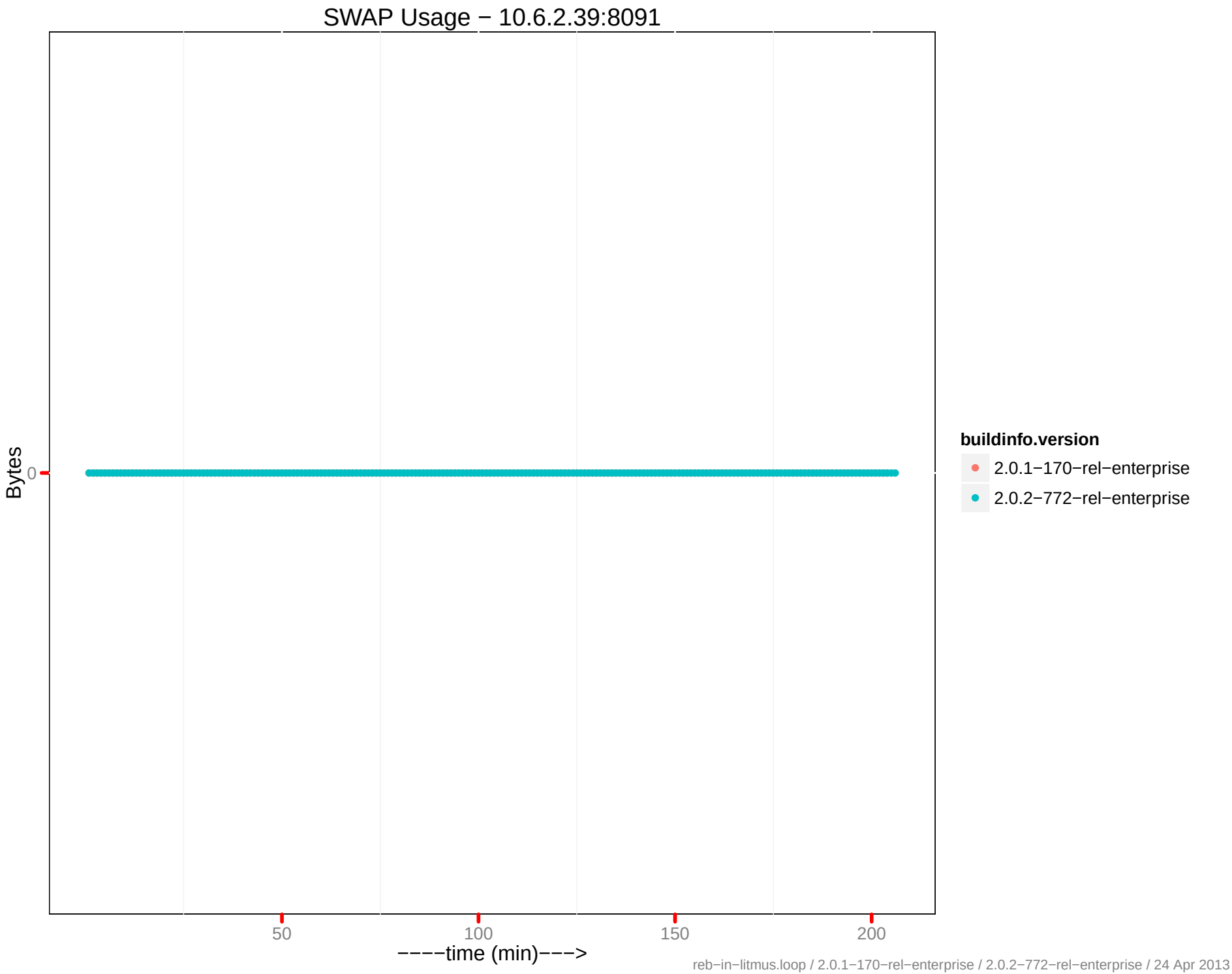

CPU utilization − 10.6.2.38:8091
%
40.00
30.00
20.00
10.00
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

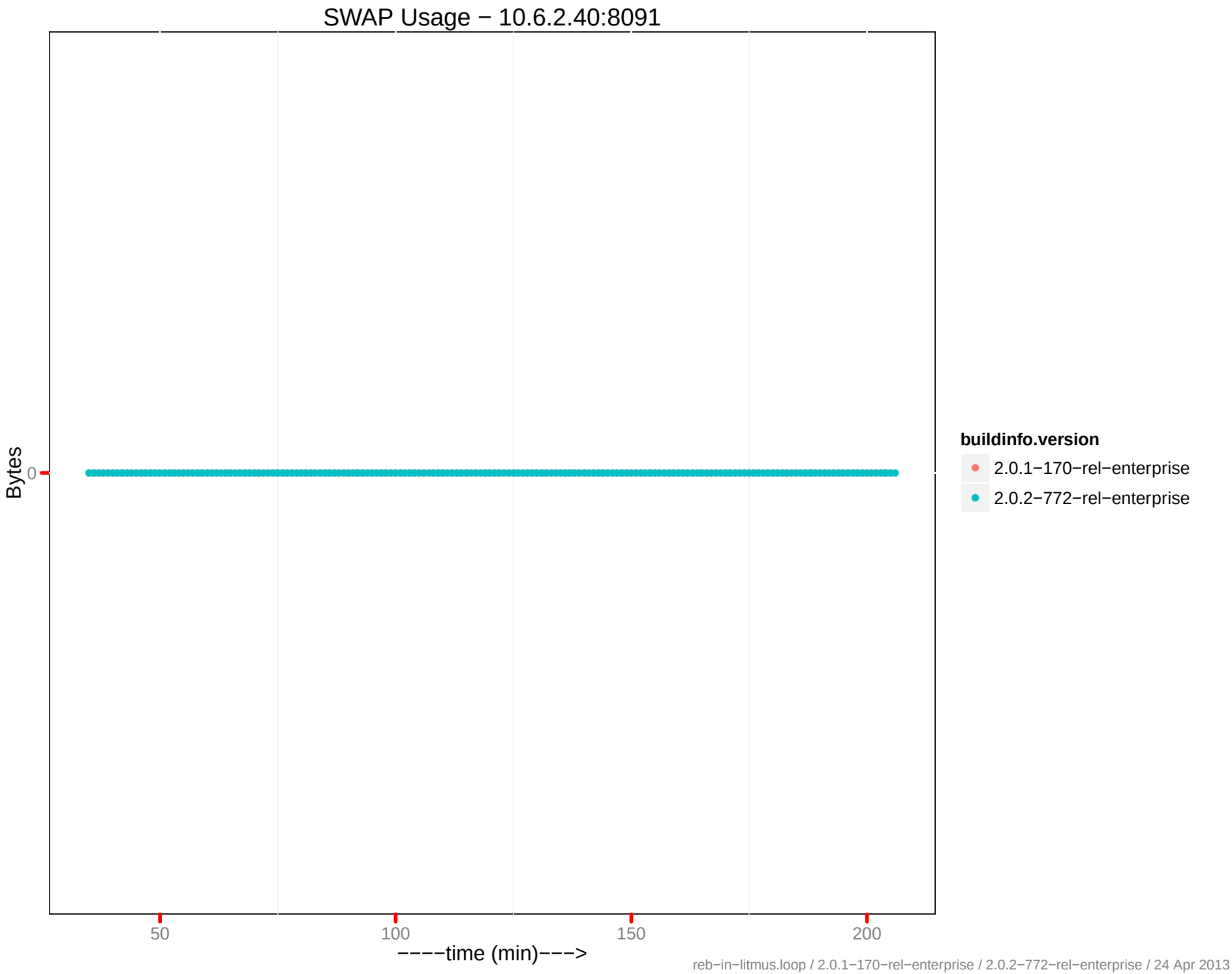

CPU utilization − 10.6.2.39:8091
60.00
40.00
20.00
%
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

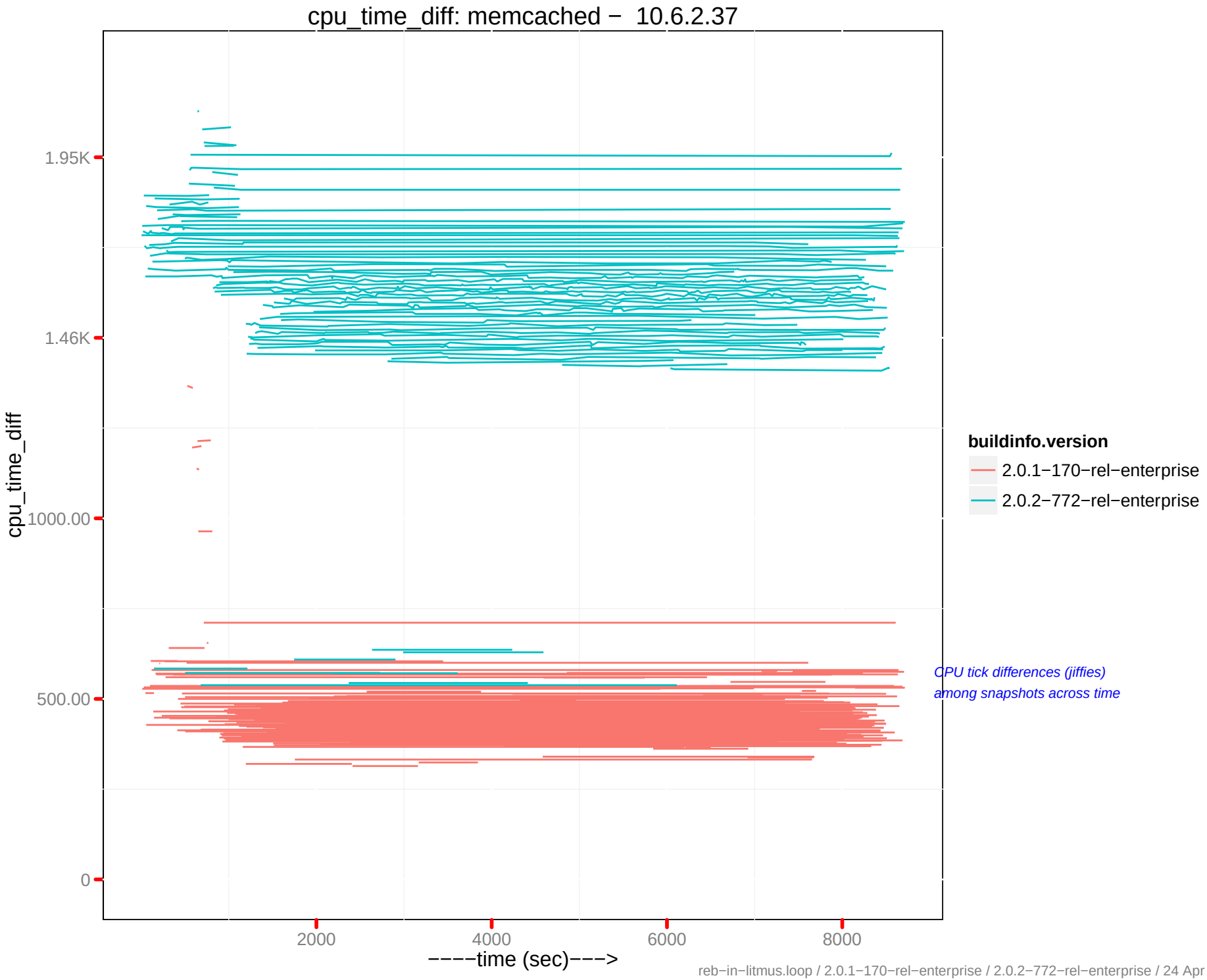

CPU utilization − 10.6.2.40:8091
%
50.00
40.00
30.00
20.00
10.00
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

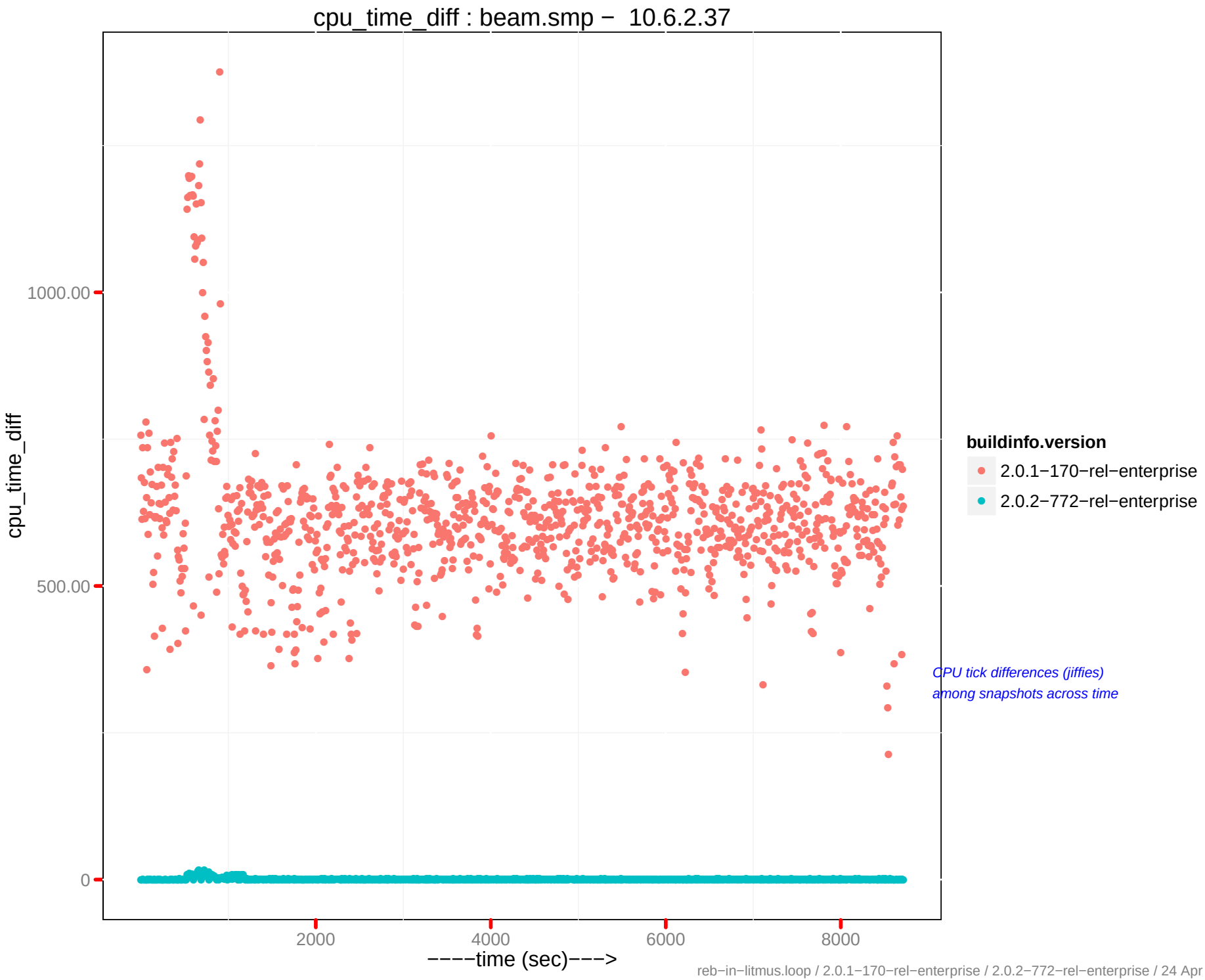

SWAP Usage − 10.6.2.37:8091
Bytes
0
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

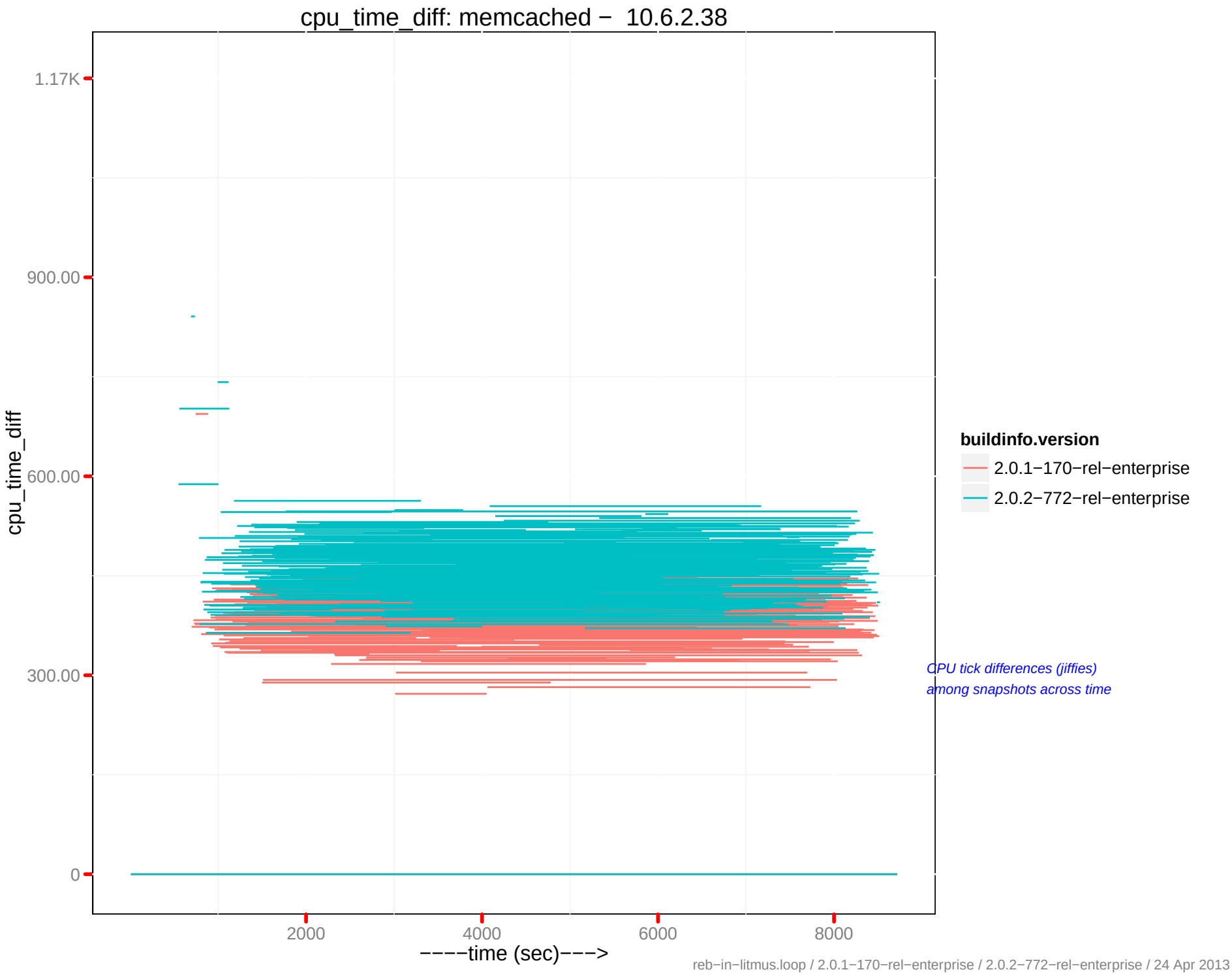

SWAP Usage − 10.6.2.38:8091
Bytes
0
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

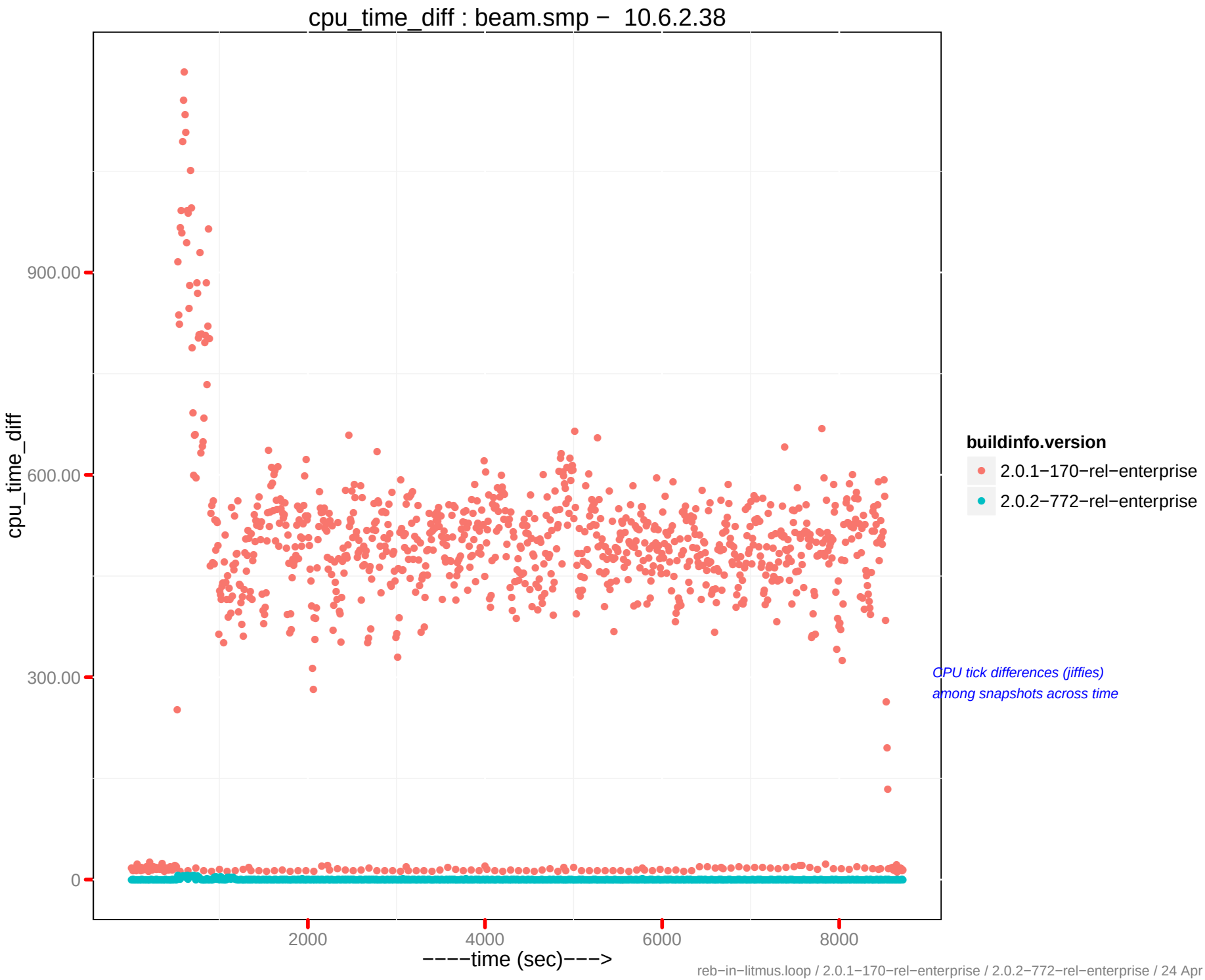

SWAP Usage − 10.6.2.39:8091
Bytes
0
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

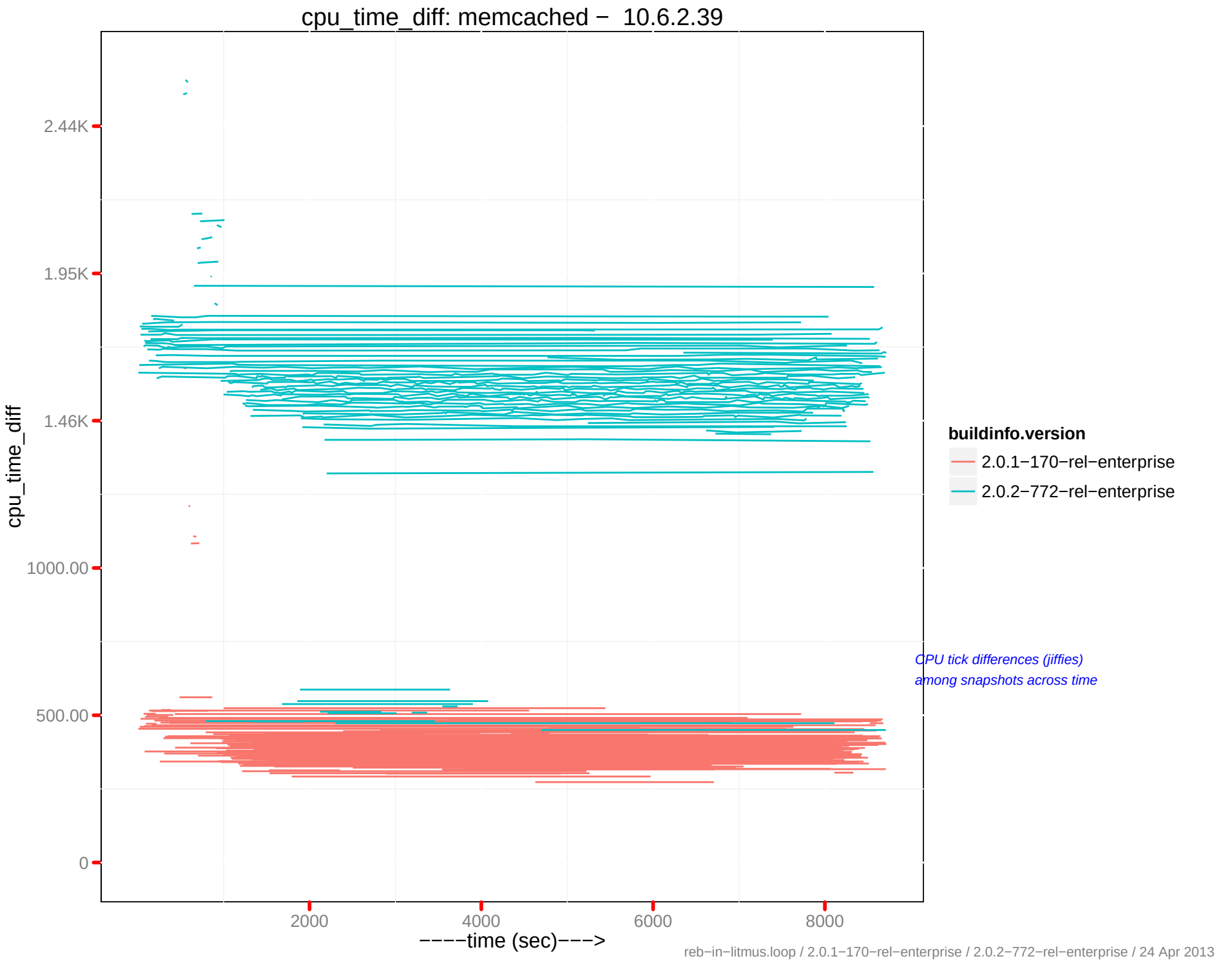

SWAP Usage − 10.6.2.40:8091
Bytes
0
50
100
150
200
−−−−time (min)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

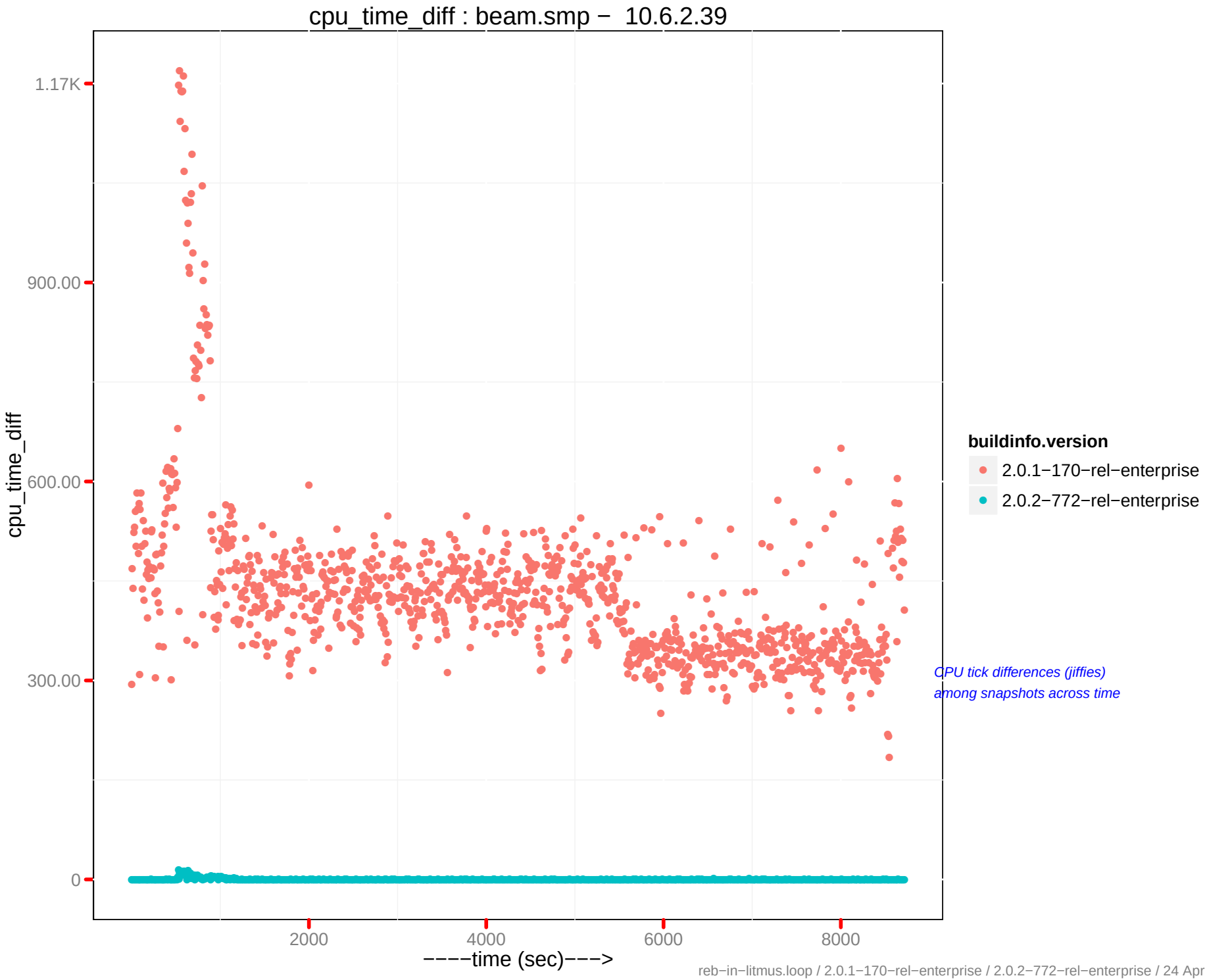

cpu_time_diff: memcached − 10.6.2.37
1.95K
1.46K
1000.00
500.00
0
cpu_time_diff
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

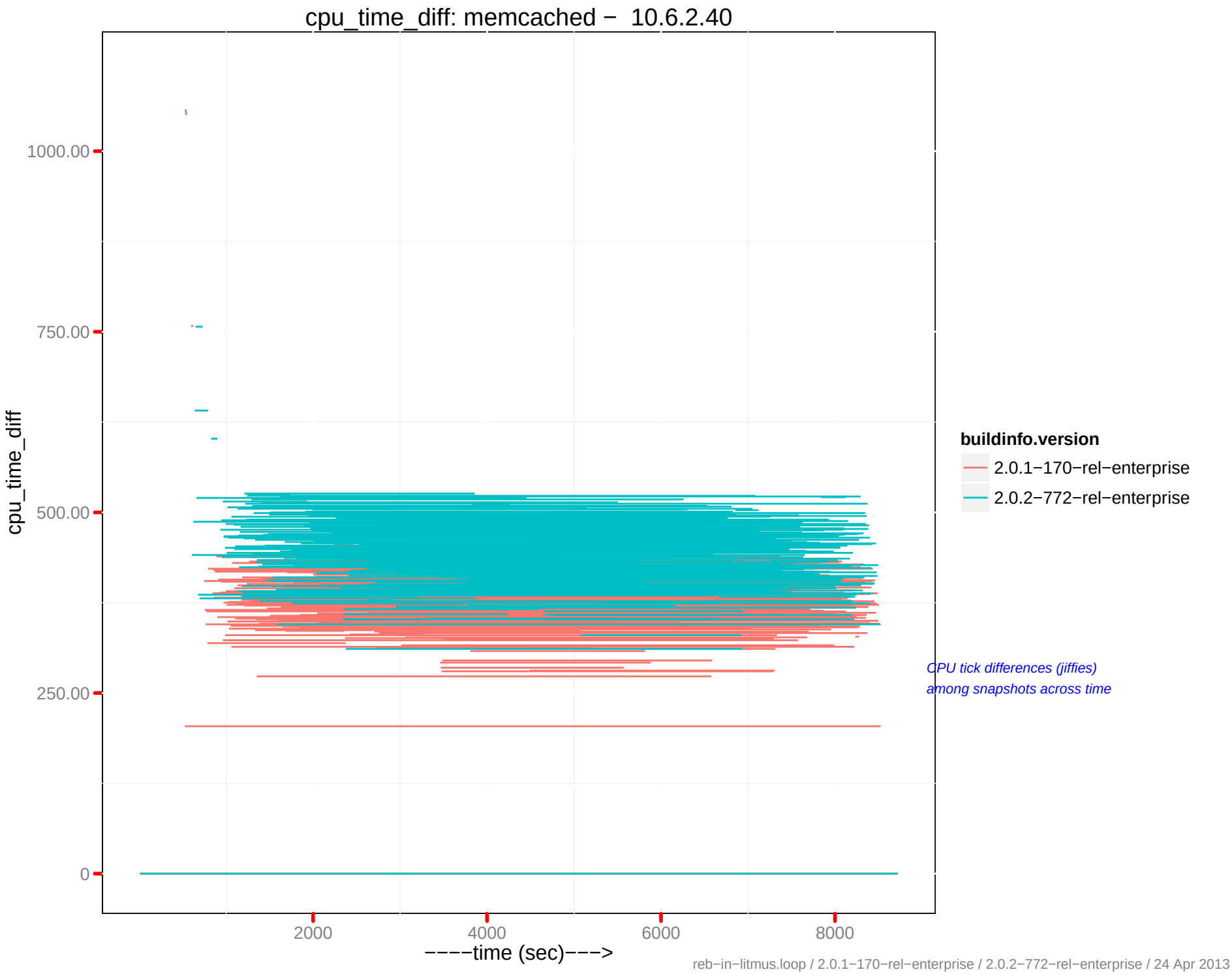

cpu_time_diff : beam.smp − 10.6.2.37
cpu_time_diff
1000.00
500.00
0
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

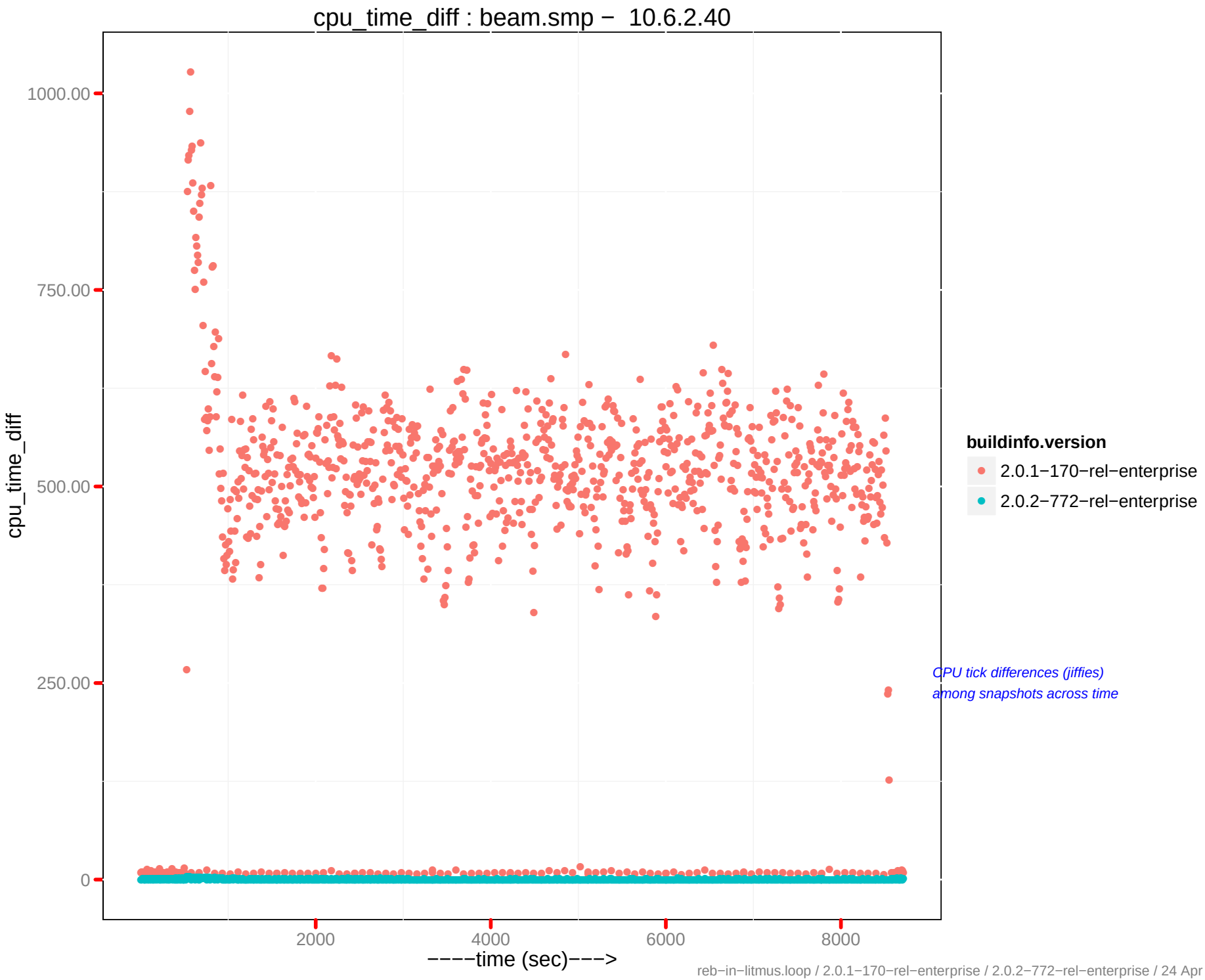

cpu_time_diff: memcached − 10.6.2.38
1.17K
900.00
600.00
300.00
0
cpu_time_diff
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

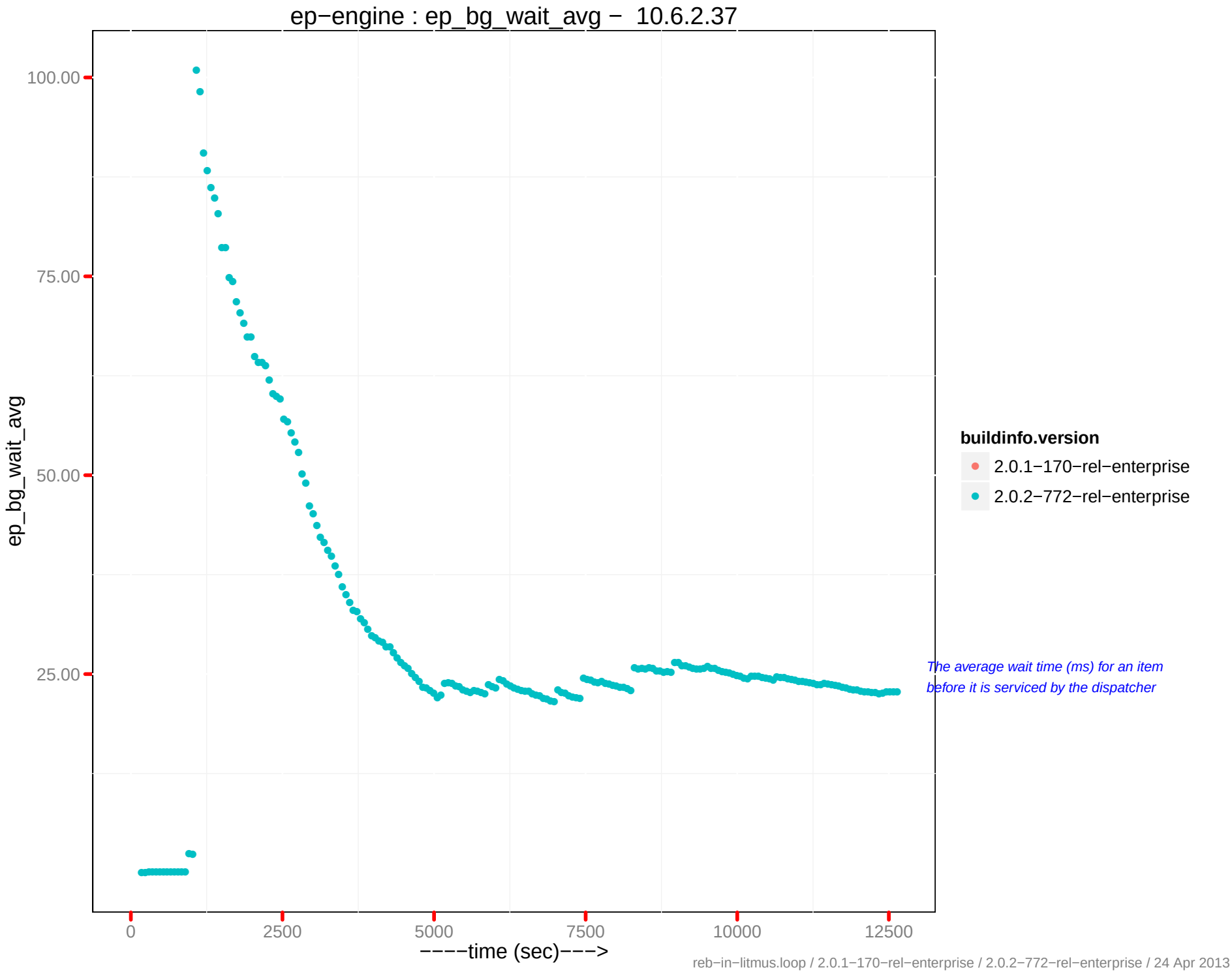

cpu_time_diff : beam.smp − 10.6.2.38
cpu_time_diff
900.00
600.00
300.00
0
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

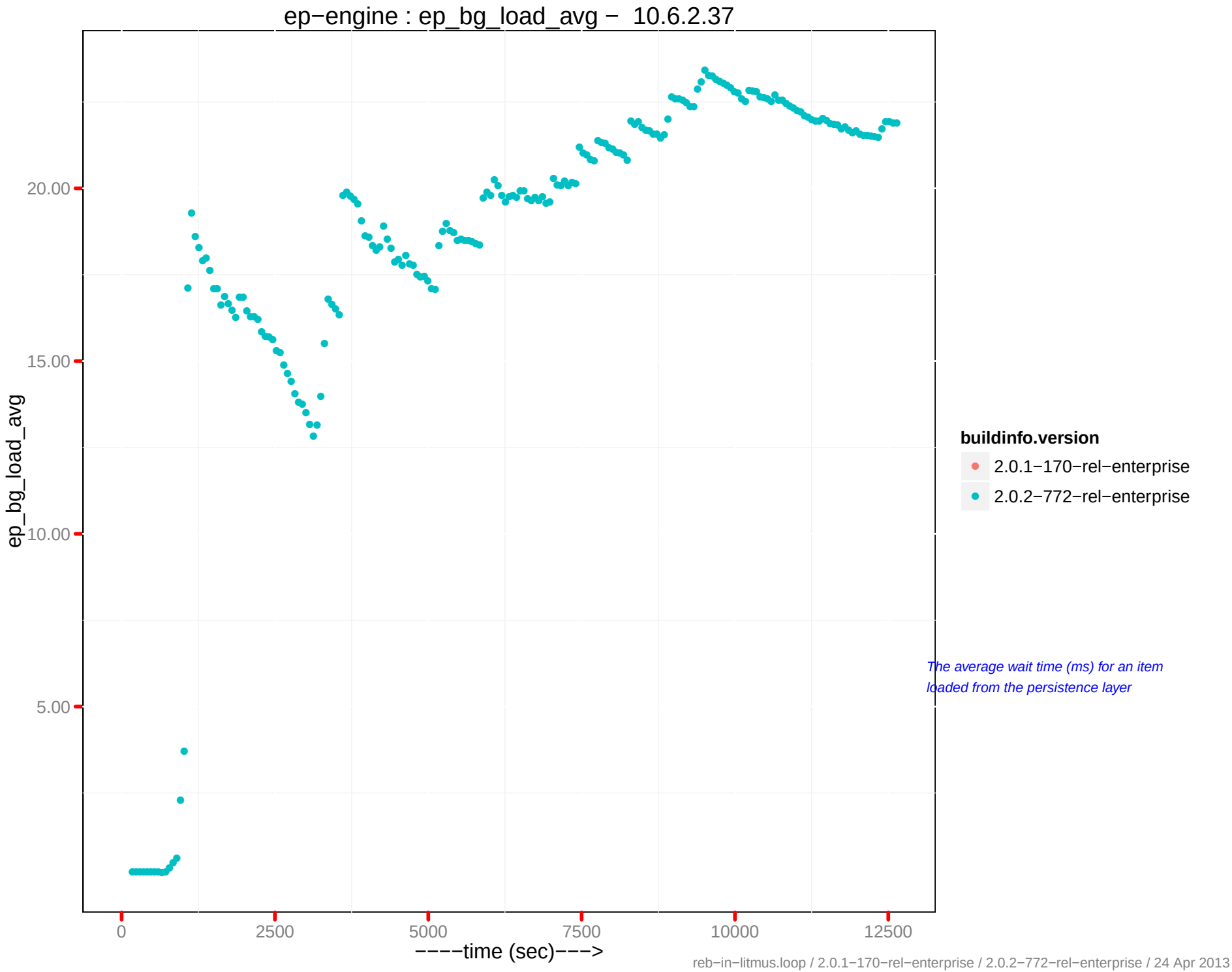

cpu_time_diff: memcached − 10.6.2.39
cpu_time_diff
2.44K
1.95K
1.46K
1000.00
500.00
0
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

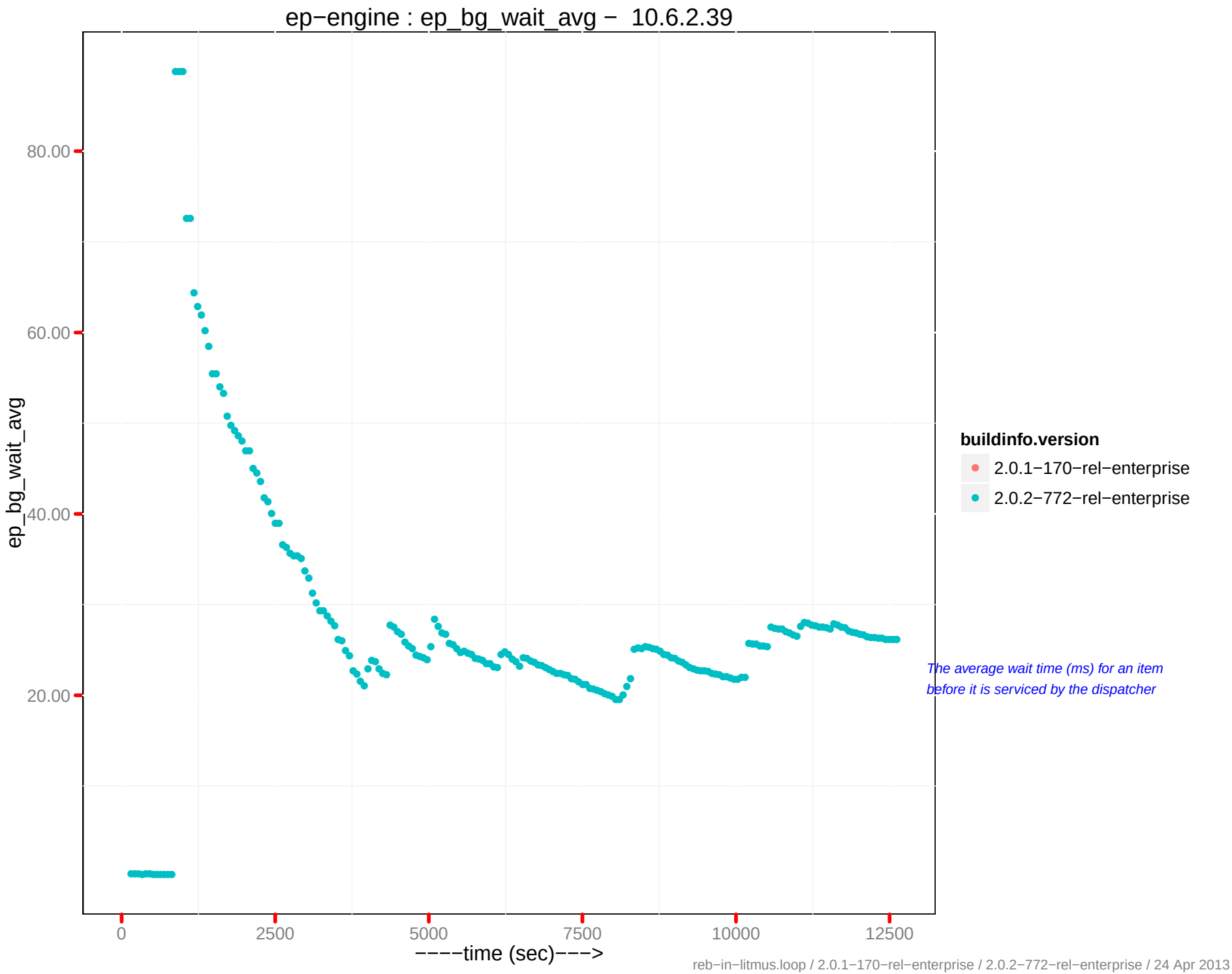

cpu_time_diff : beam.smp − 10.6.2.39
1.17K
900.00
600.00
300.00
0
cpu_time_diff
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

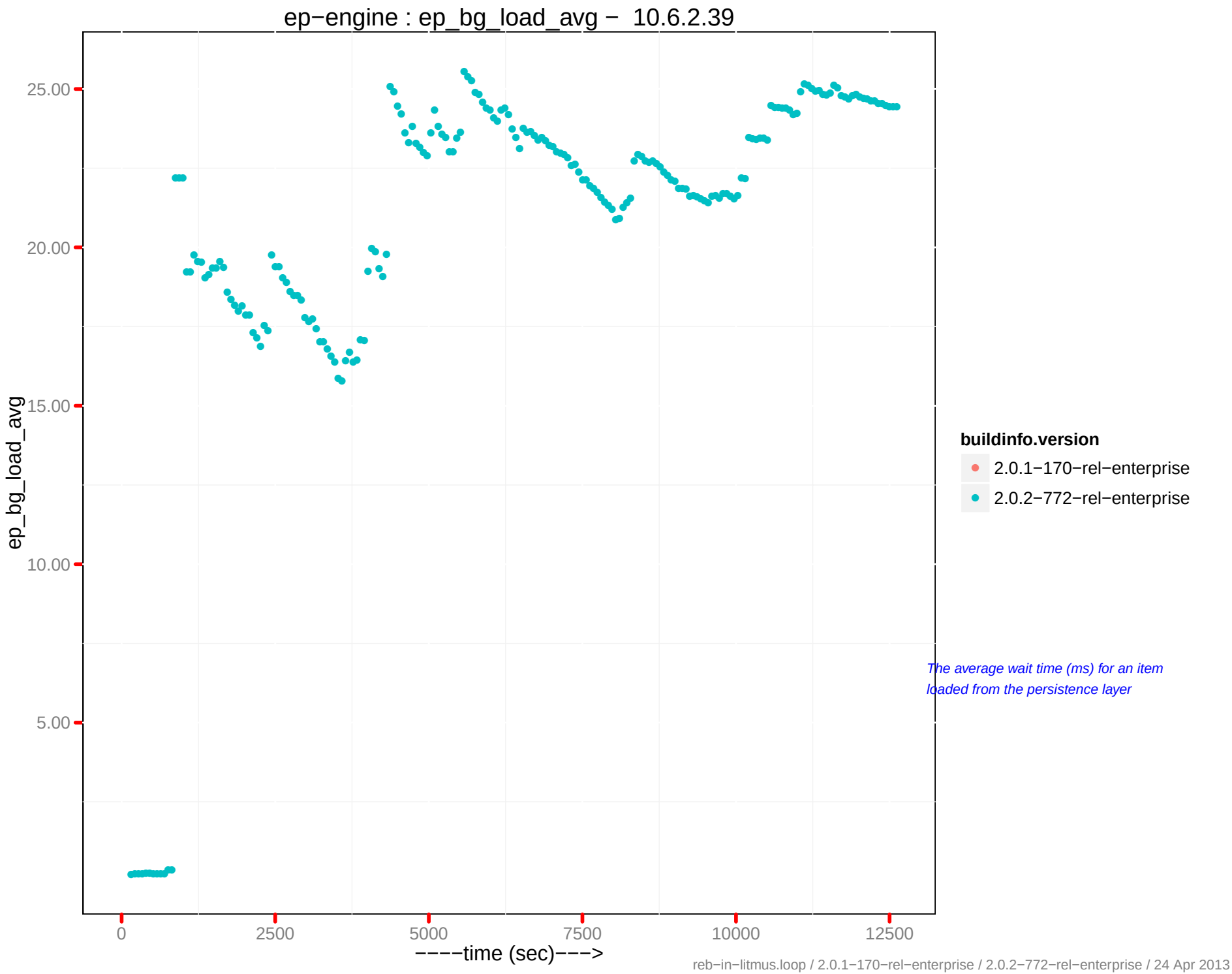

cpu_time_diff: memcached − 10.6.2.40
cpu_time_diff
1000.00
750.00
500.00
250.00
0
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

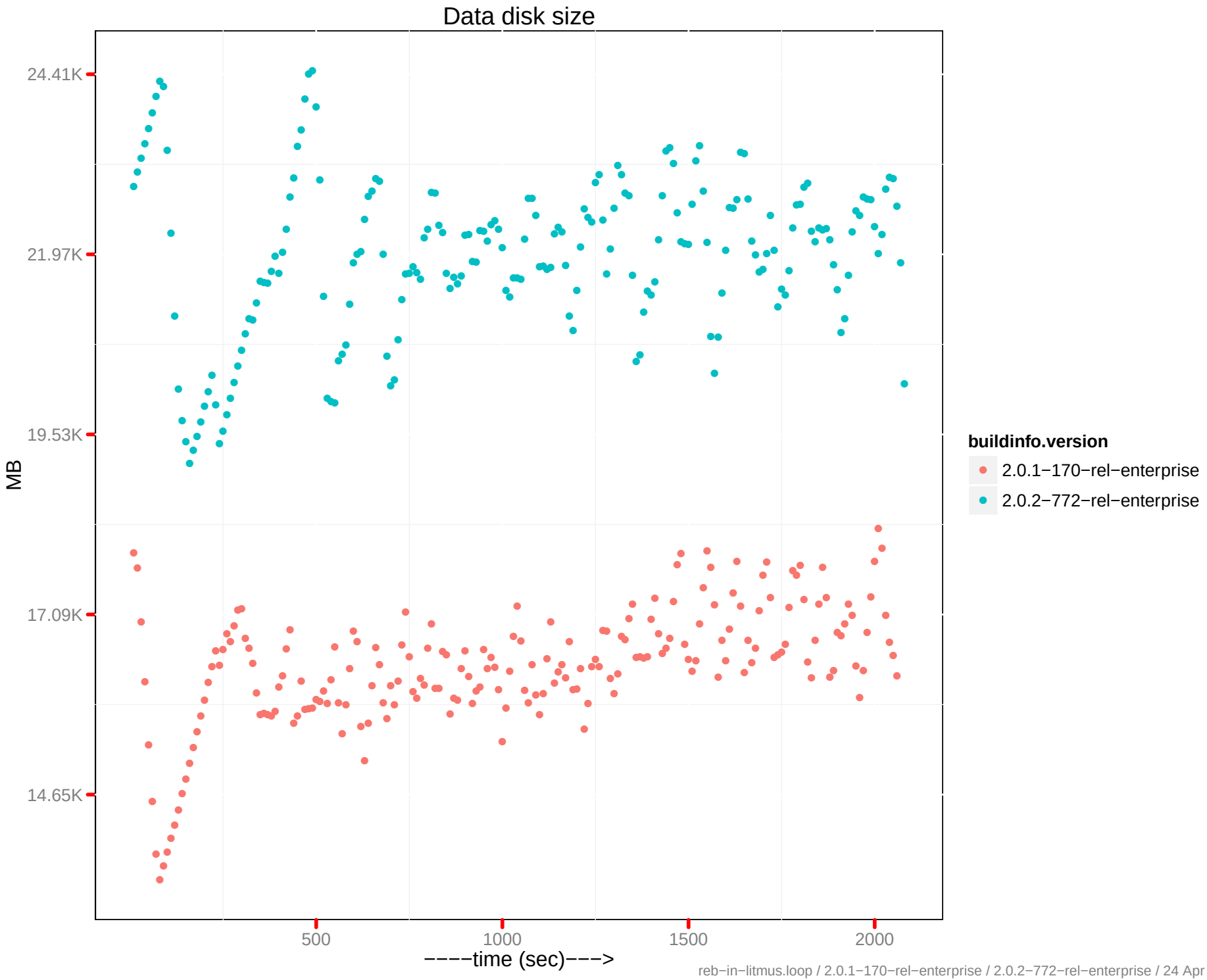

cpu_time_diff : beam.smp − 10.6.2.40
cpu_time_diff
1000.00
750.00
500.00
250.00
0
2000
4000
6000
8000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

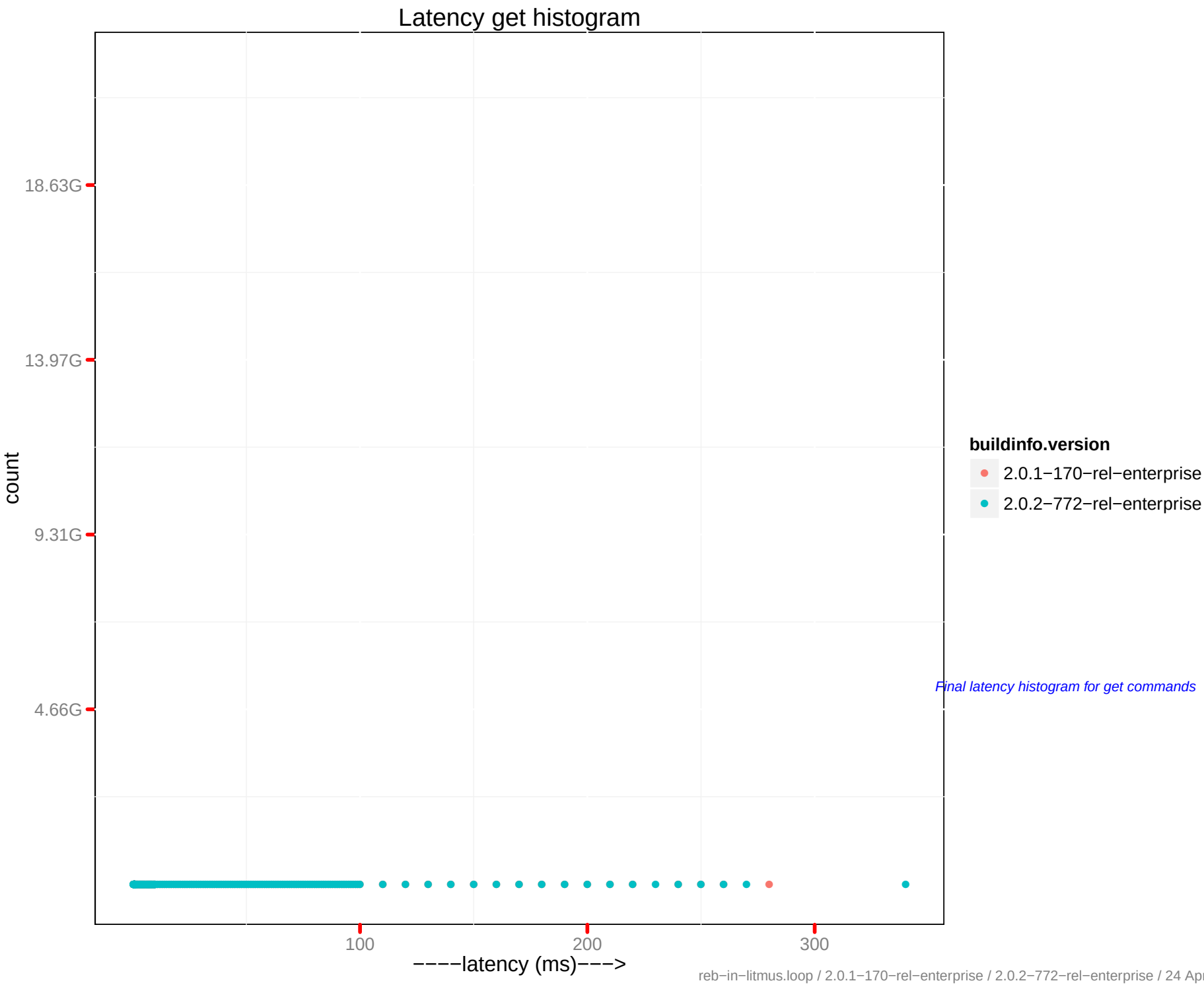

ep−engine : ep_bg_wait_avg − 10.6.2.37
100.00
75.00
50.00
25.00
ep_bg_wait_avg
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

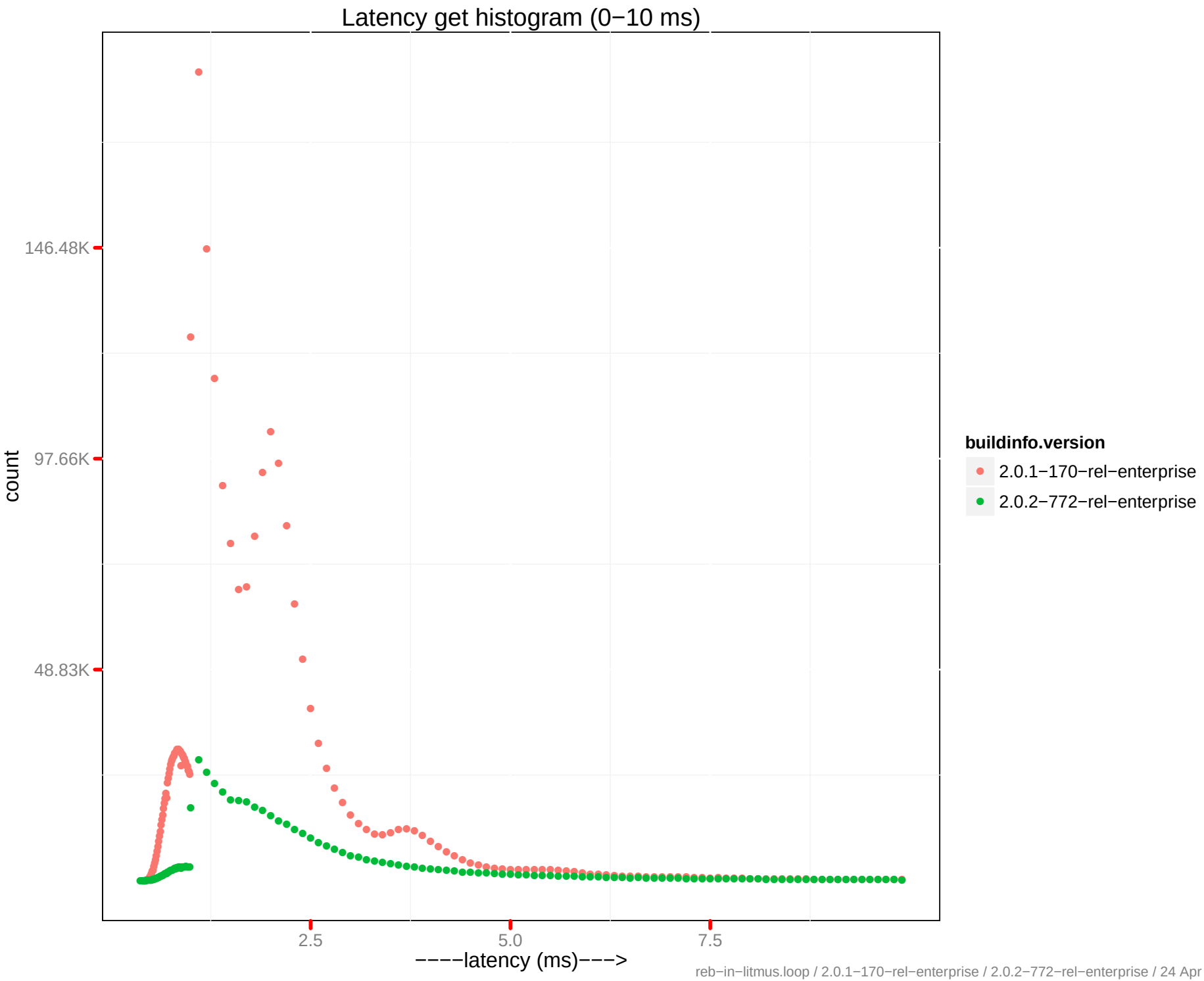

ep−engine : ep_bg_load_avg − 10.6.2.37
ep_bg_load_avg
20.00
15.00
10.00
5.00
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

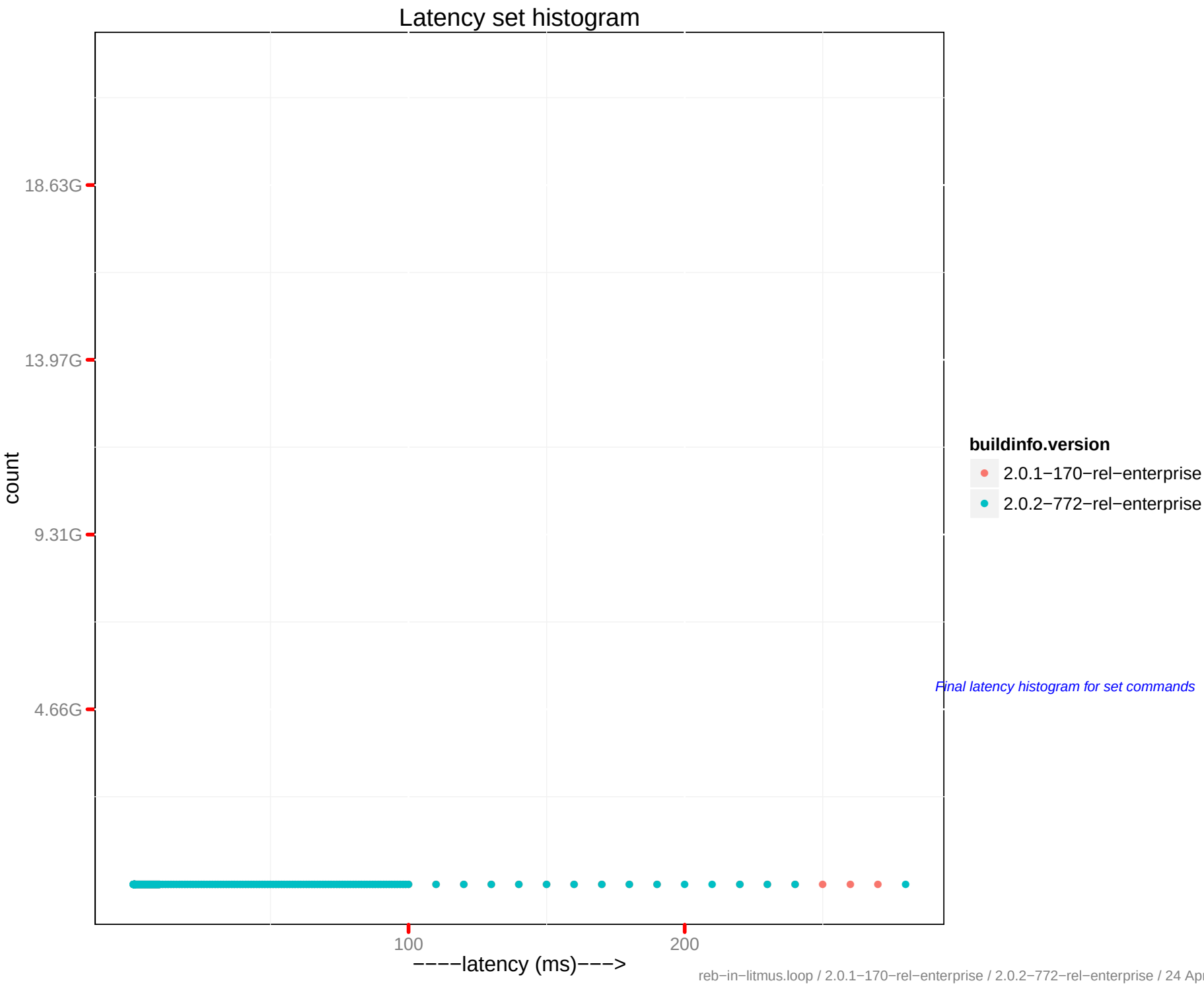

ep−engine : ep_bg_wait_avg − 10.6.2.39
ep_bg_wait_avg
80.00
60.00
40.00
20.00
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

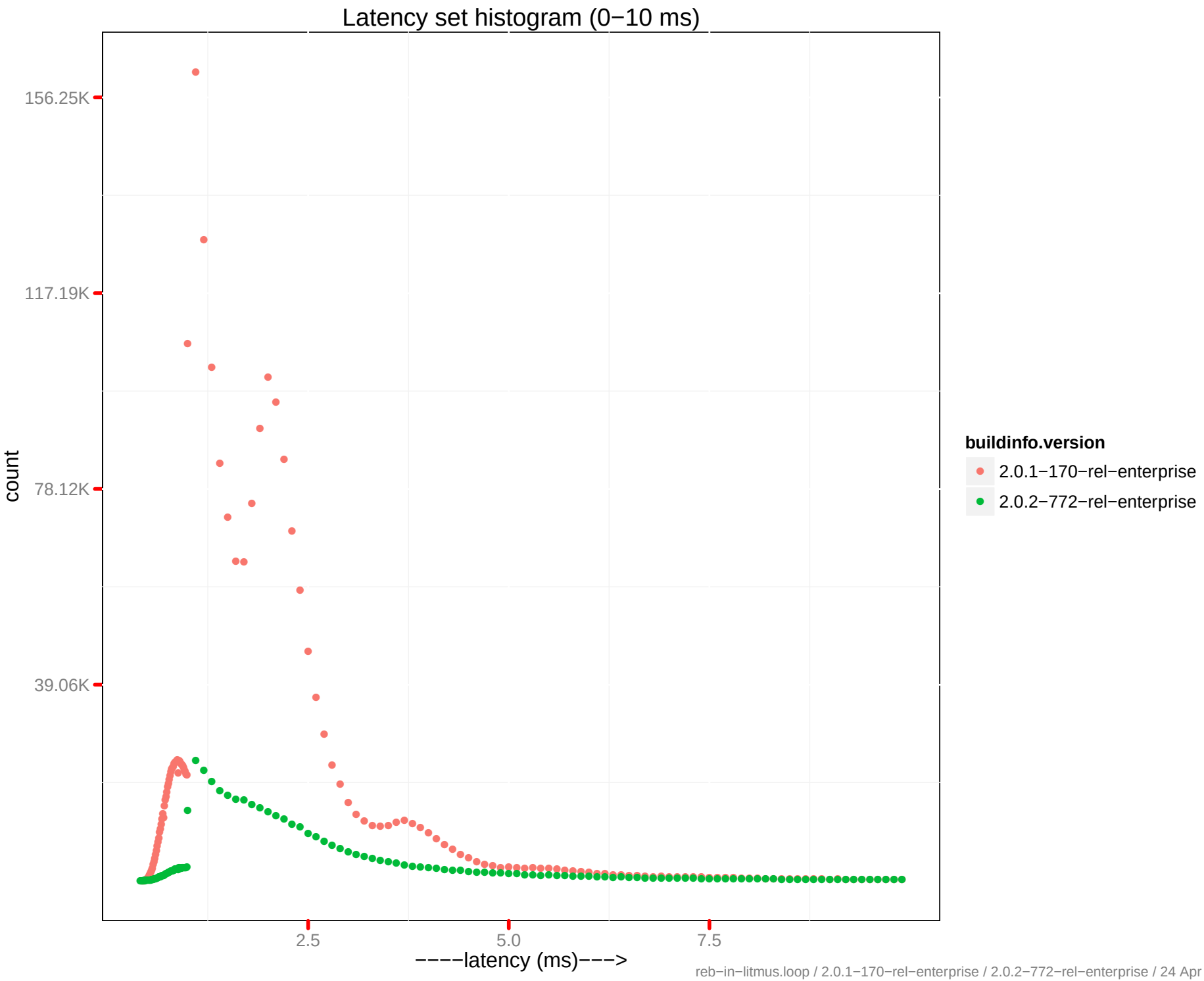

ep−engine : ep_bg_load_avg − 10.6.2.39
ep_bg_load_avg
25.00
20.00
15.00
10.00
5.00
0
2500
5000
7500
10000
12500
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

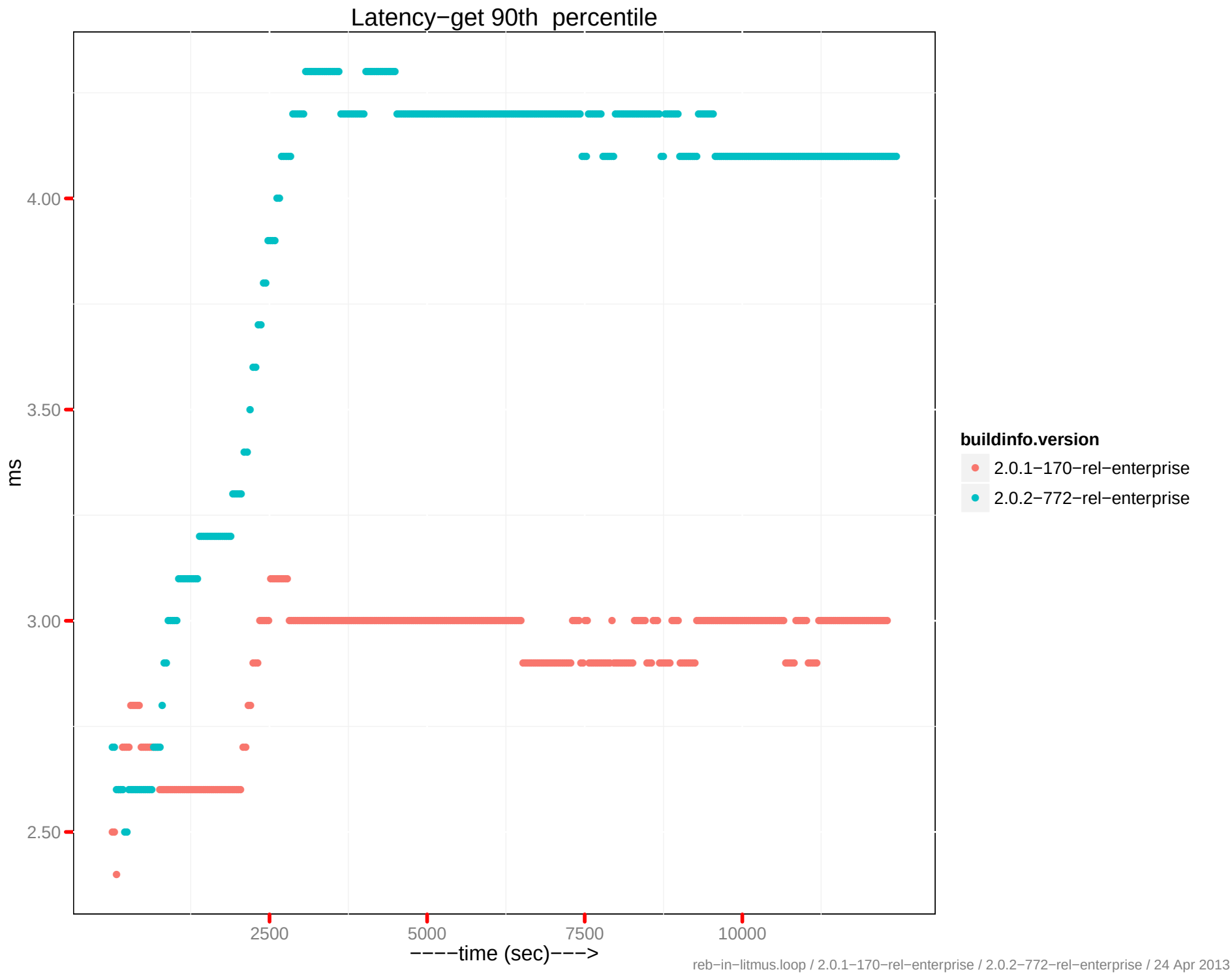

Data disk size
24.41K
21.97K
19.53K
17.09K
14.65K
MB
500
1000
1500
2000
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

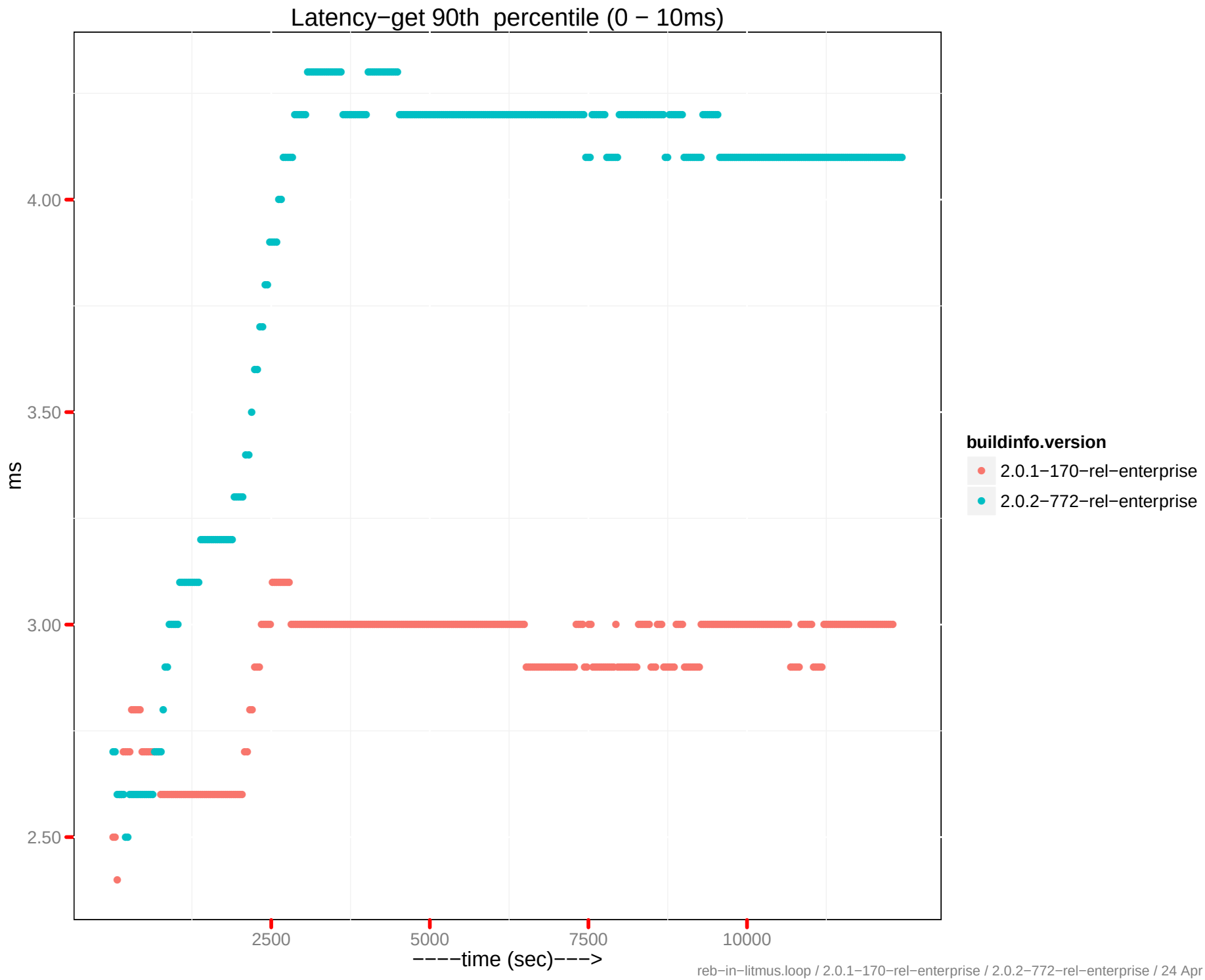

Latency get histogram
18.63G
13.97G
9.31G
4.66G
count
100
200
300
----latency (ms)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Final latency histogram for get commands
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

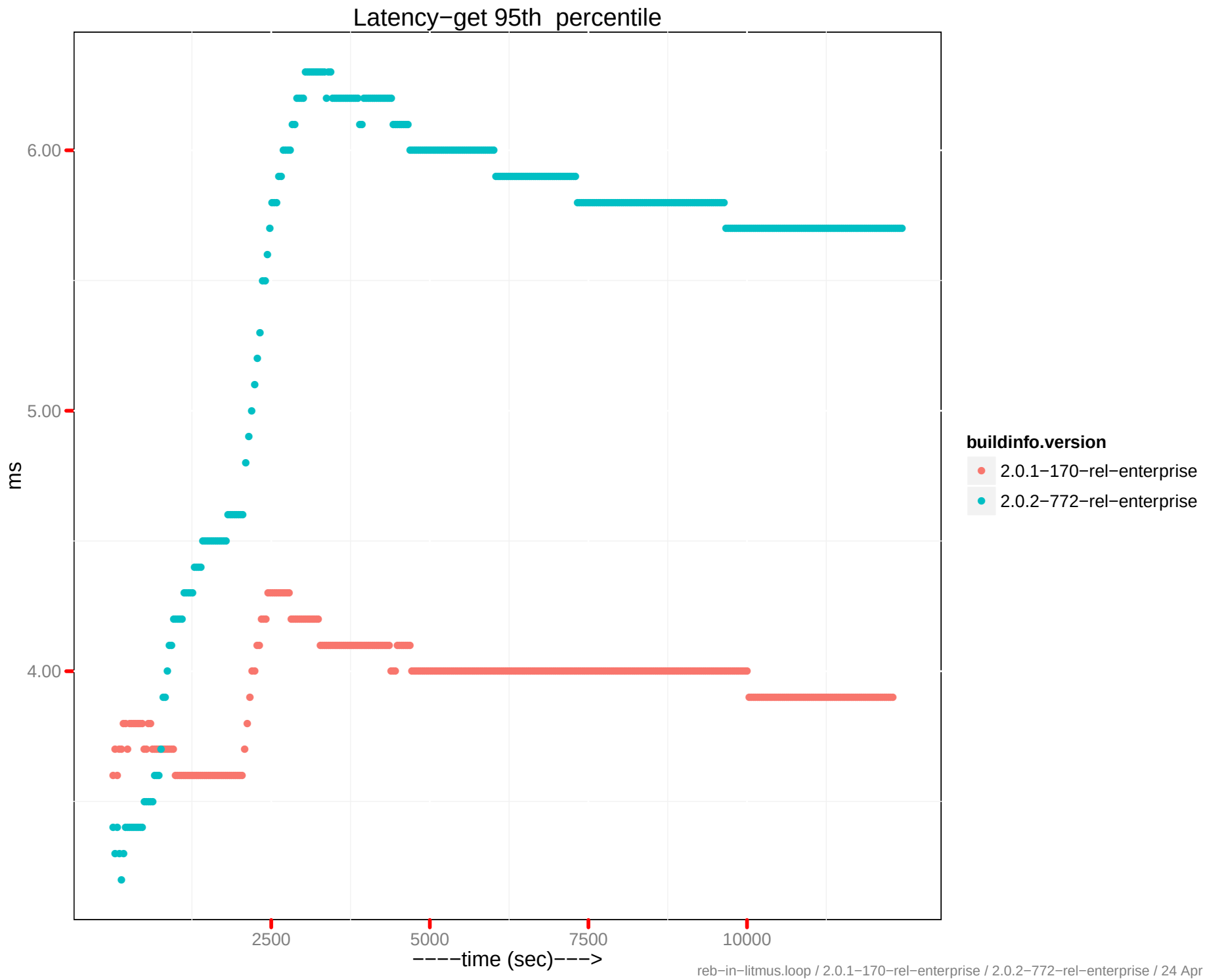

Latency get histogram (0−10 ms)
146.48K
97.66K
48.83K
count
2.5
5.0
7.5
−−−−latency (ms)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

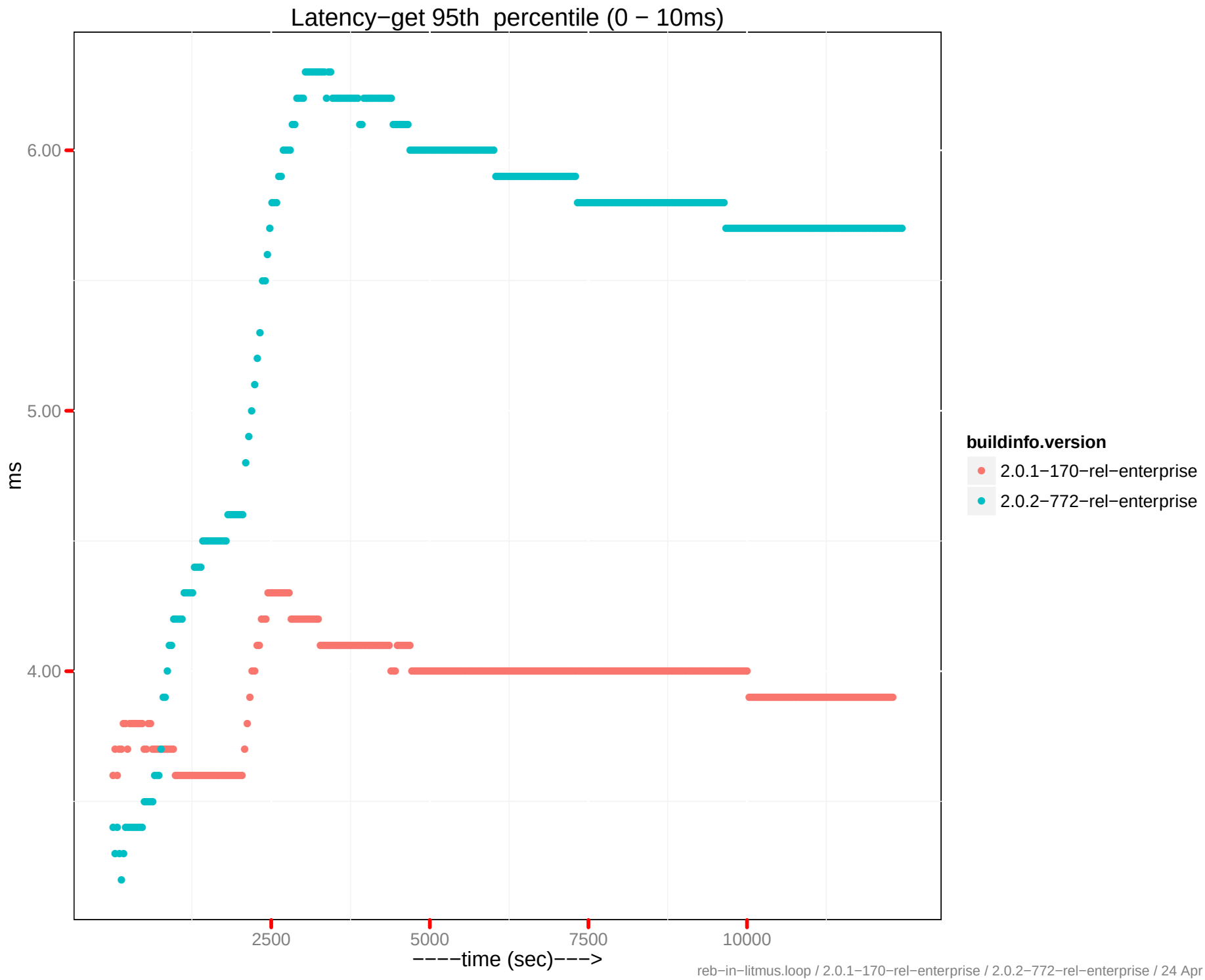

Latency set histogram
18.63G
13.97G
9.31G
4.66G
count
100
200
----latency (ms)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
Final latency histogram for set commands
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013

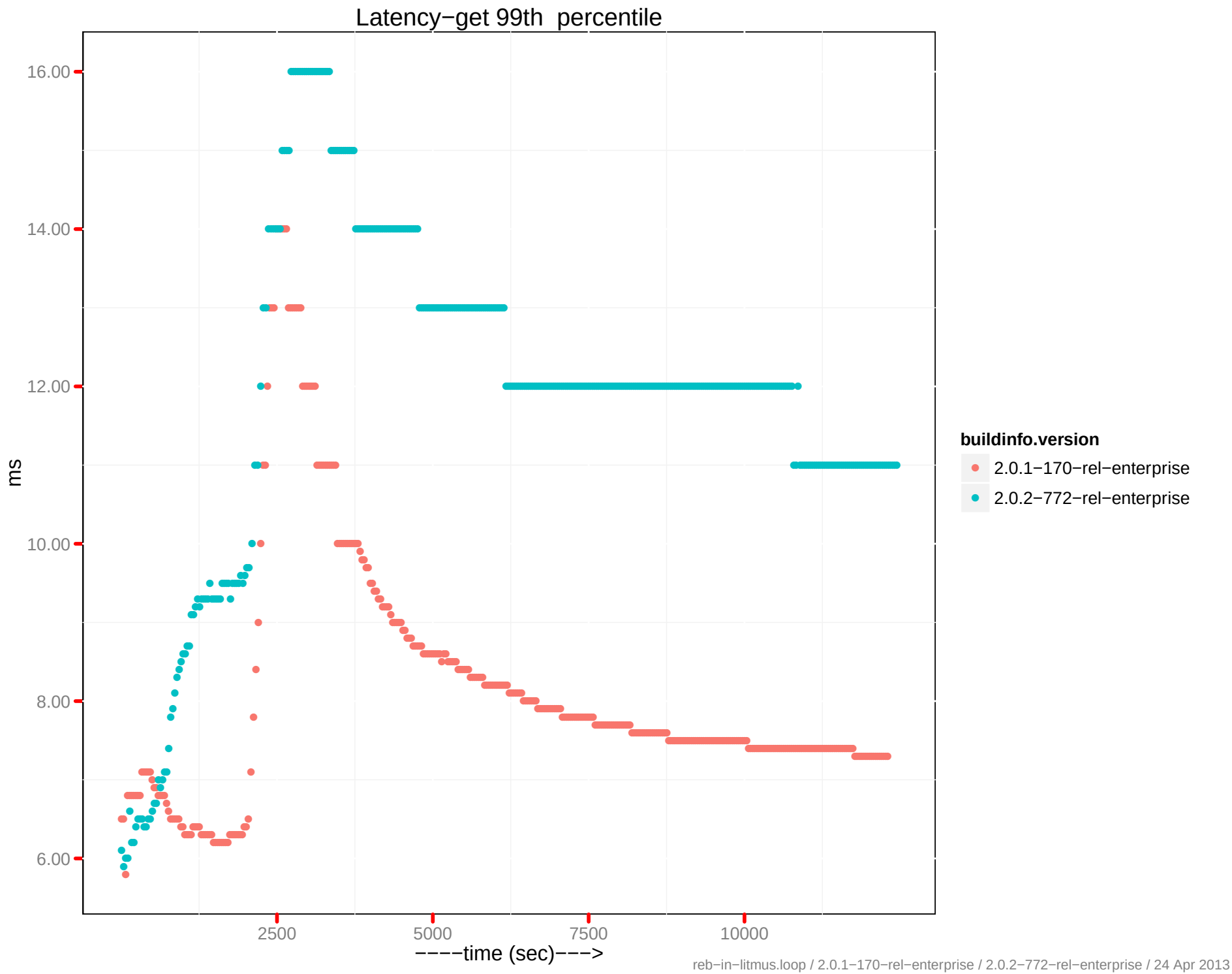

Latency set histogram (0−10 ms)
156.25K
117.19K
78.12K
39.06K
count
2.5
5.0
7.5
−−−−latency (ms)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

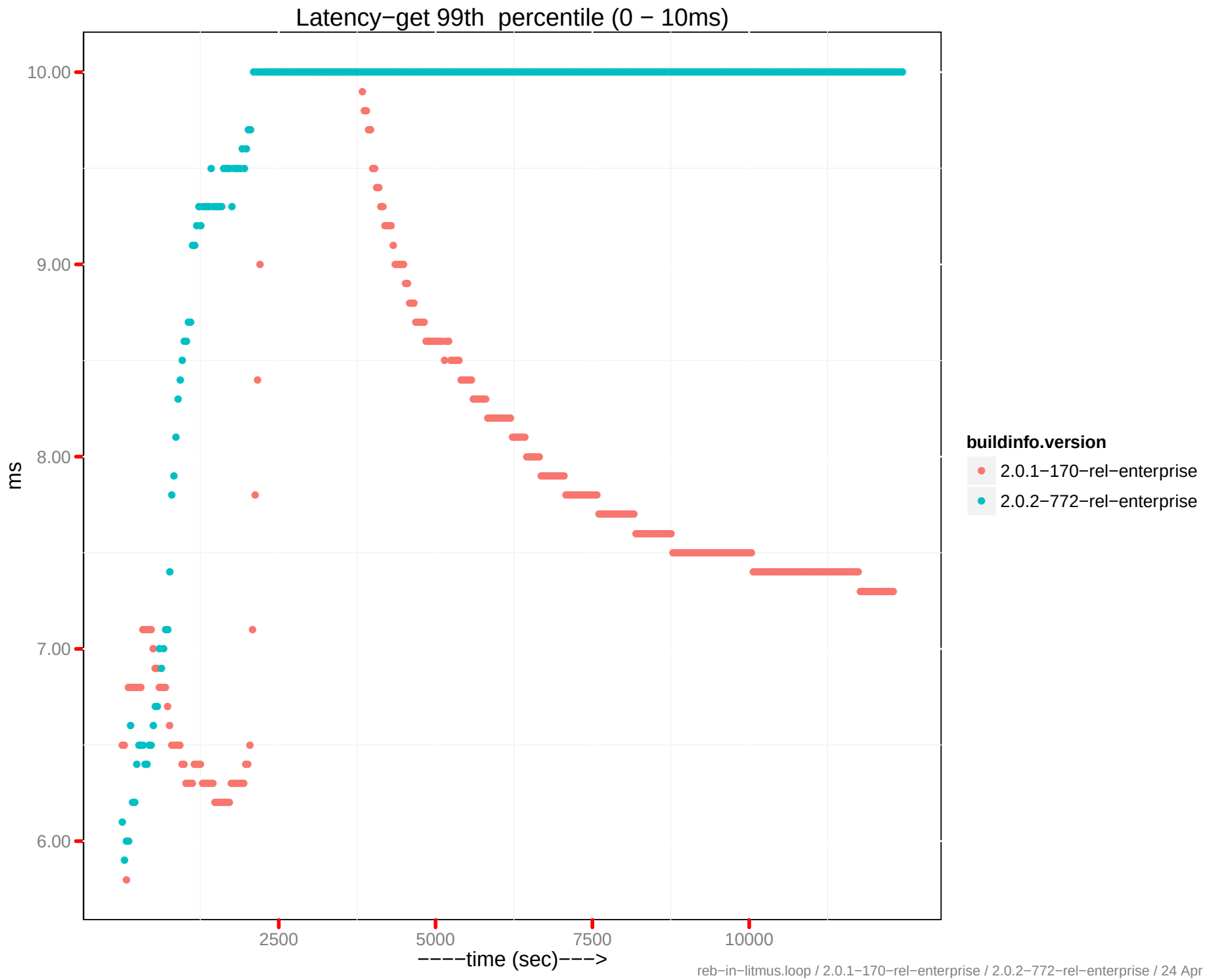

Latency−get 90th percentile
4.00
3.50
3.00
2.50
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

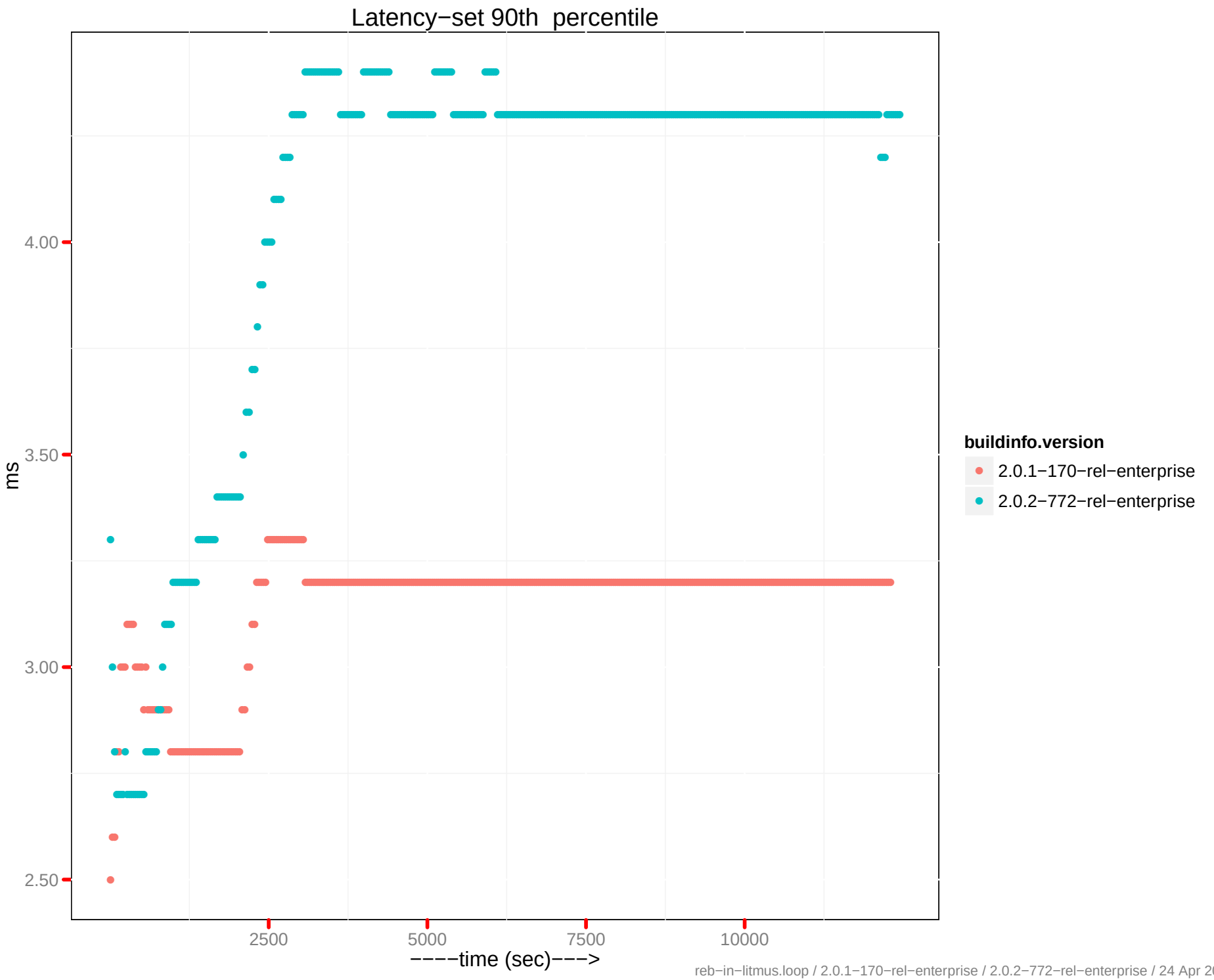

Latency−get 90th percentile (0 − 10ms)
4.00
3.50
3.00
2.50
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

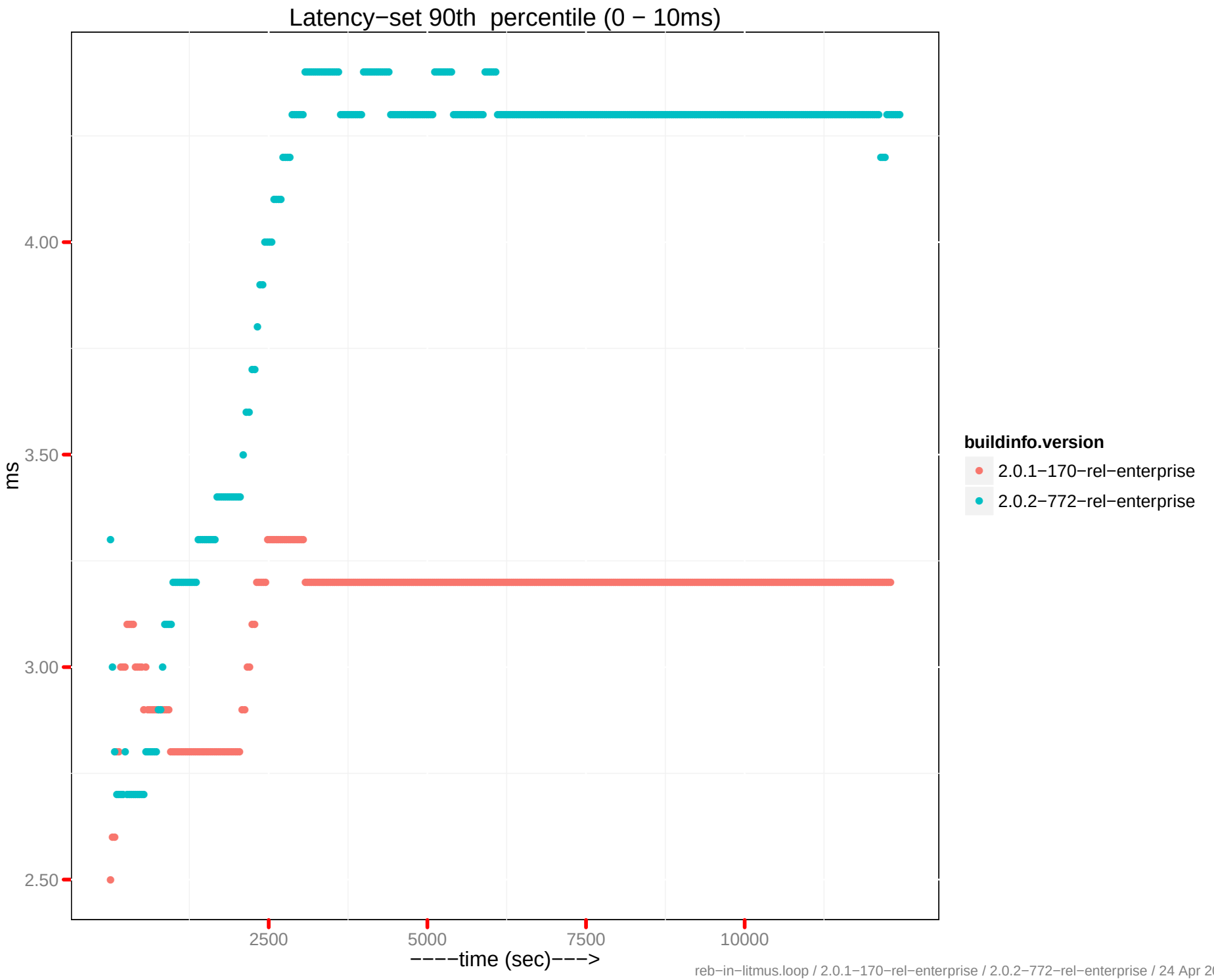

Latency−get 95th percentile
6.00
5.00
4.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

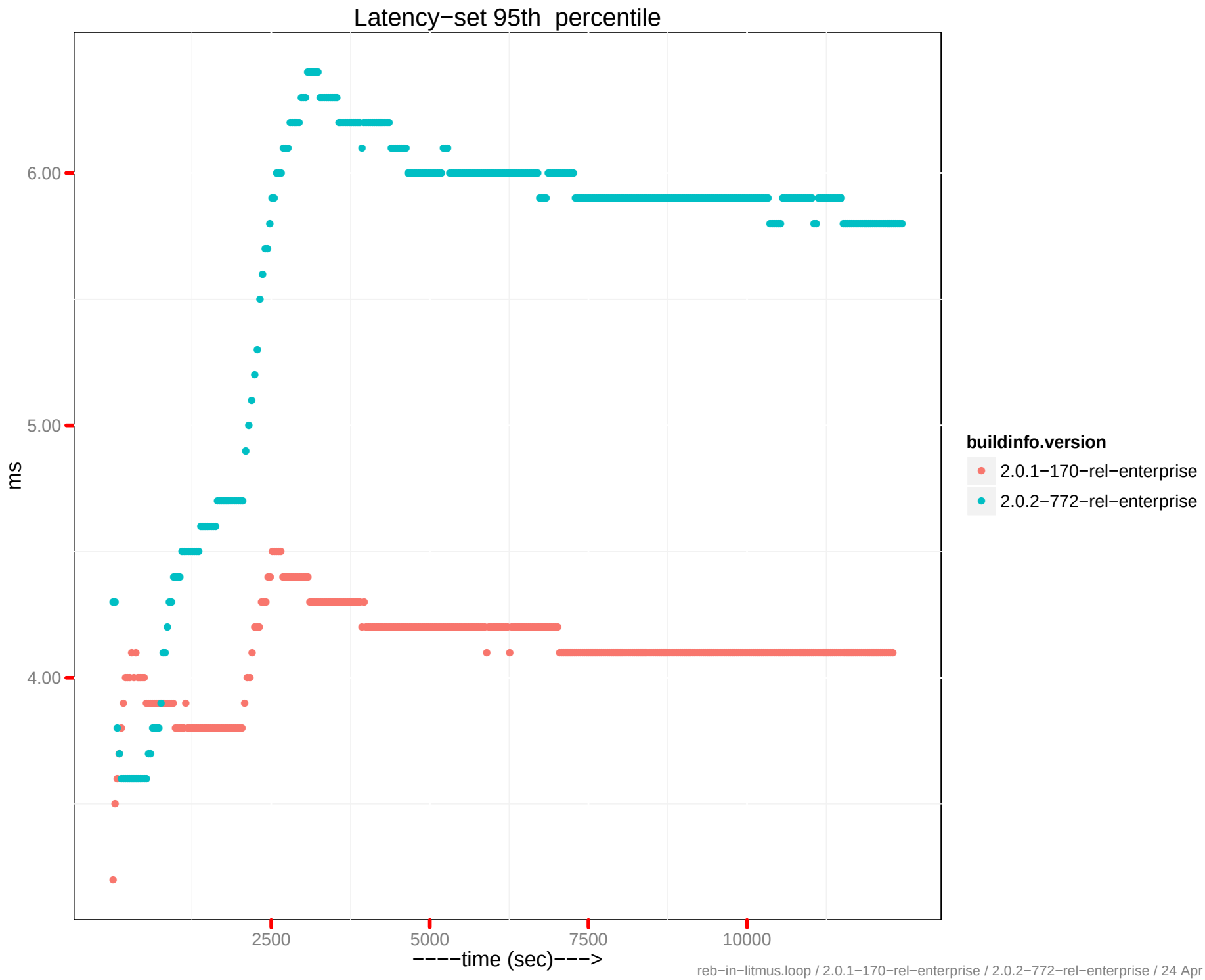

Latency−get 95th percentile (0 − 10ms)
6.00
5.00
4.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

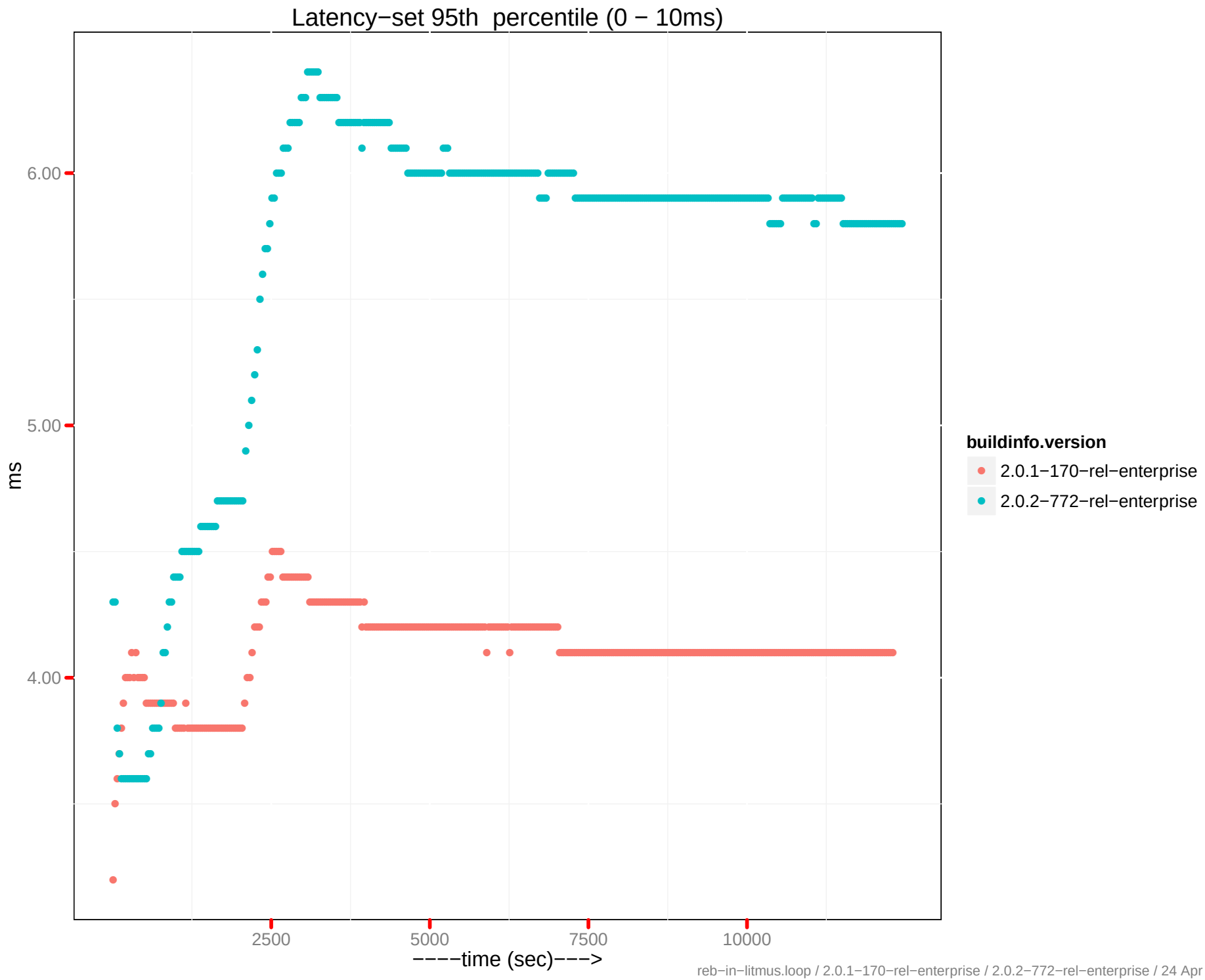

Latency−get 99th percentile
16.00
14.00
12.00
10.00
8.00
6.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

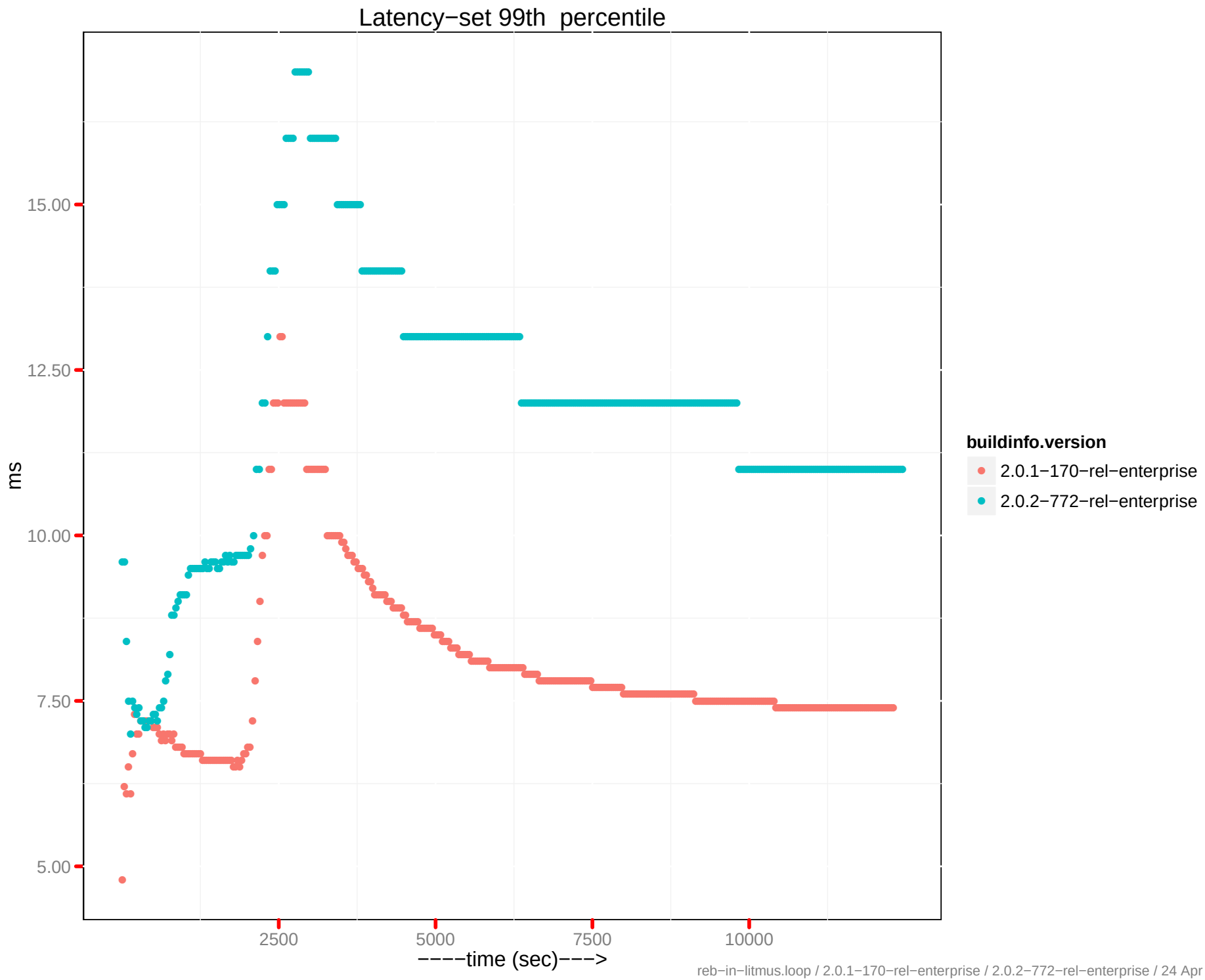

Latency−get 99th percentile (0 − 10ms)
10.00
9.00
8.00
7.00
6.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

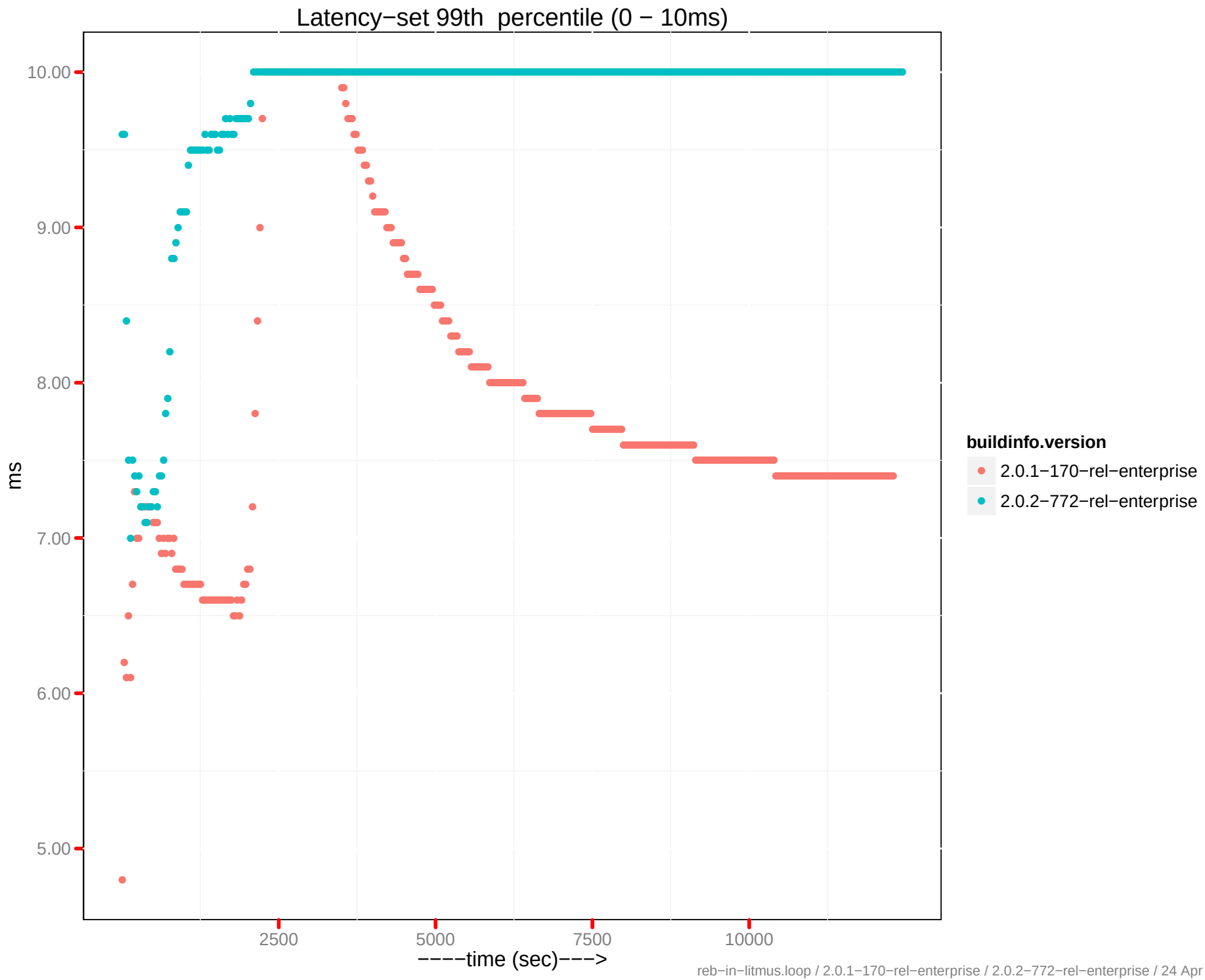

Latency−set 90th percentile
4.00
3.50
3.00
2.50
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013

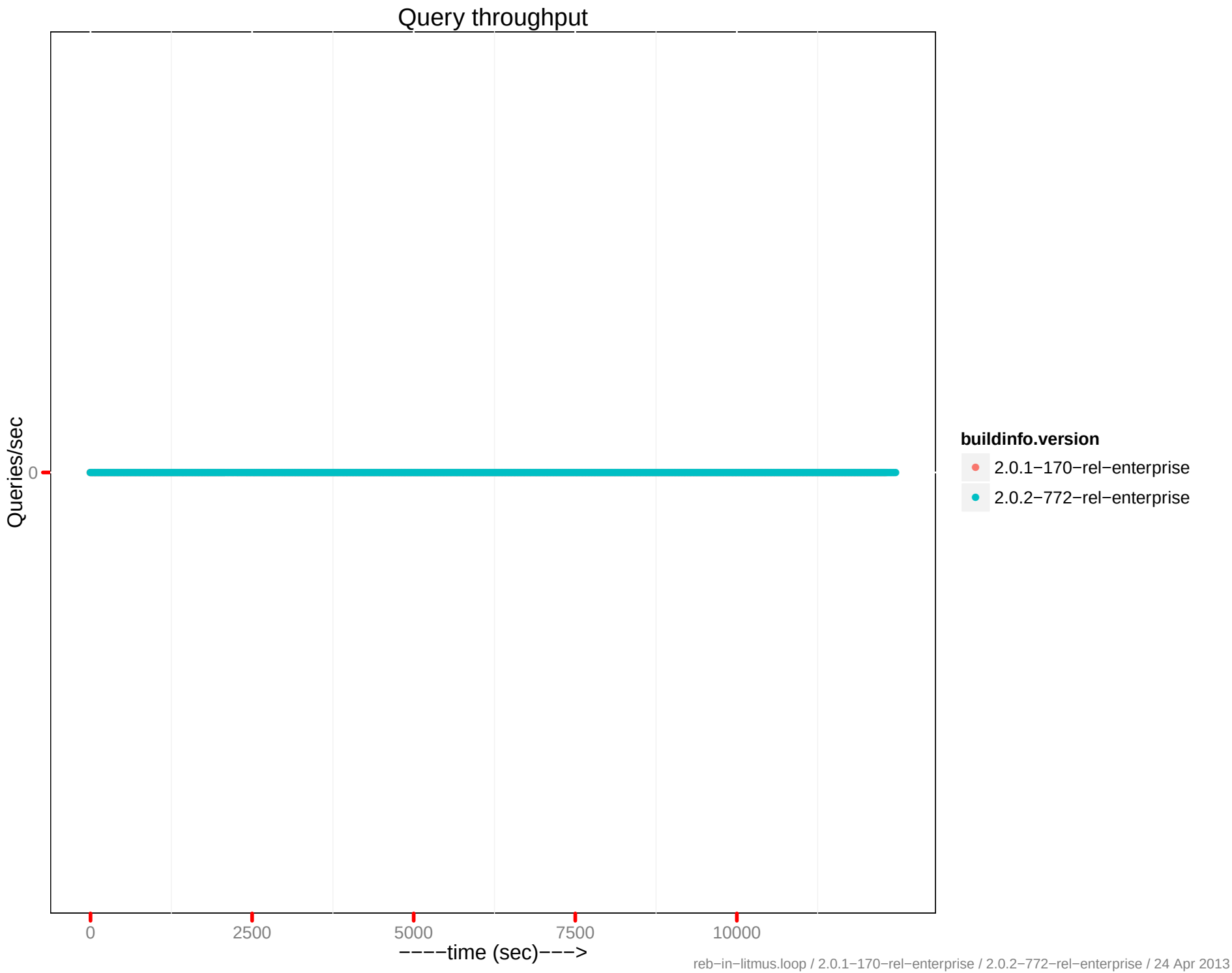

Latency−set 90th percentile (0 − 10ms)
4.00
3.50
3.00
2.50
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013


Latency−set 95th percentile
6.00
5.00
4.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013


Latency−set 95th percentile (0 − 10ms)
6.00
5.00
4.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013


Latency−set 99th percentile
15.00
12.50
10.00
7.50
5.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013


Latency−set 99th percentile (0 − 10ms)
10.00
9.00
8.00
7.00
6.00
5.00
ms
2500
5000
7500
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.1−170−rel−enterprise
2.0.2−772−rel−enterprise
reb−in−litmus.loop / 2.0.1−170−rel−enterprise / 2.0.2−772−rel−enterprise / 24 Apr 2013


Query throughput
Queries/sec
0
0
2500
5000
7500
10000
----time (sec)--->
buildinfo.version
2.0.1-170-rel-enterprise
2.0.2-772-rel-enterprise
reb-in-litmus.loop / 2.0.1-170-rel-enterprise / 2.0.2-772-rel-enterprise / 24 Apr 2013