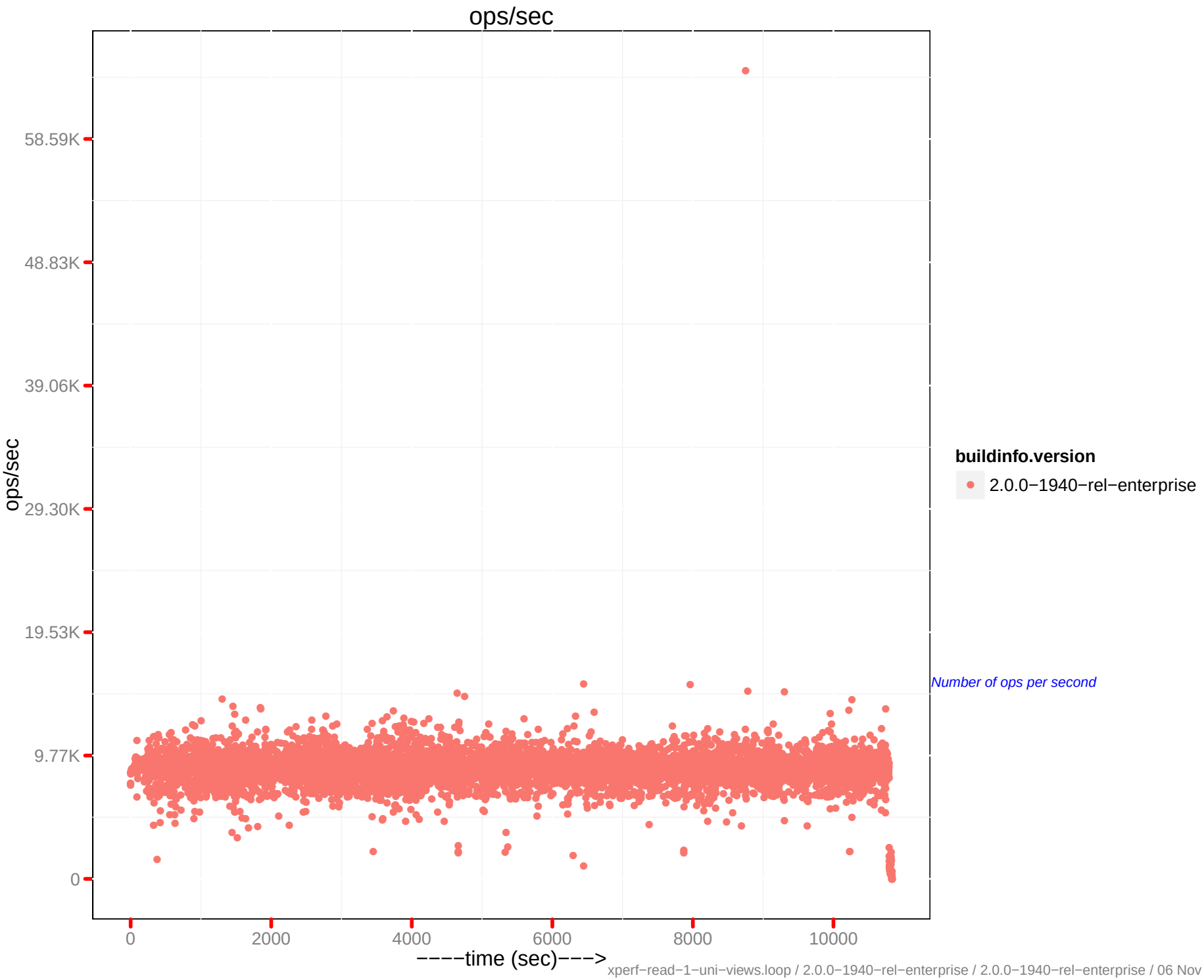
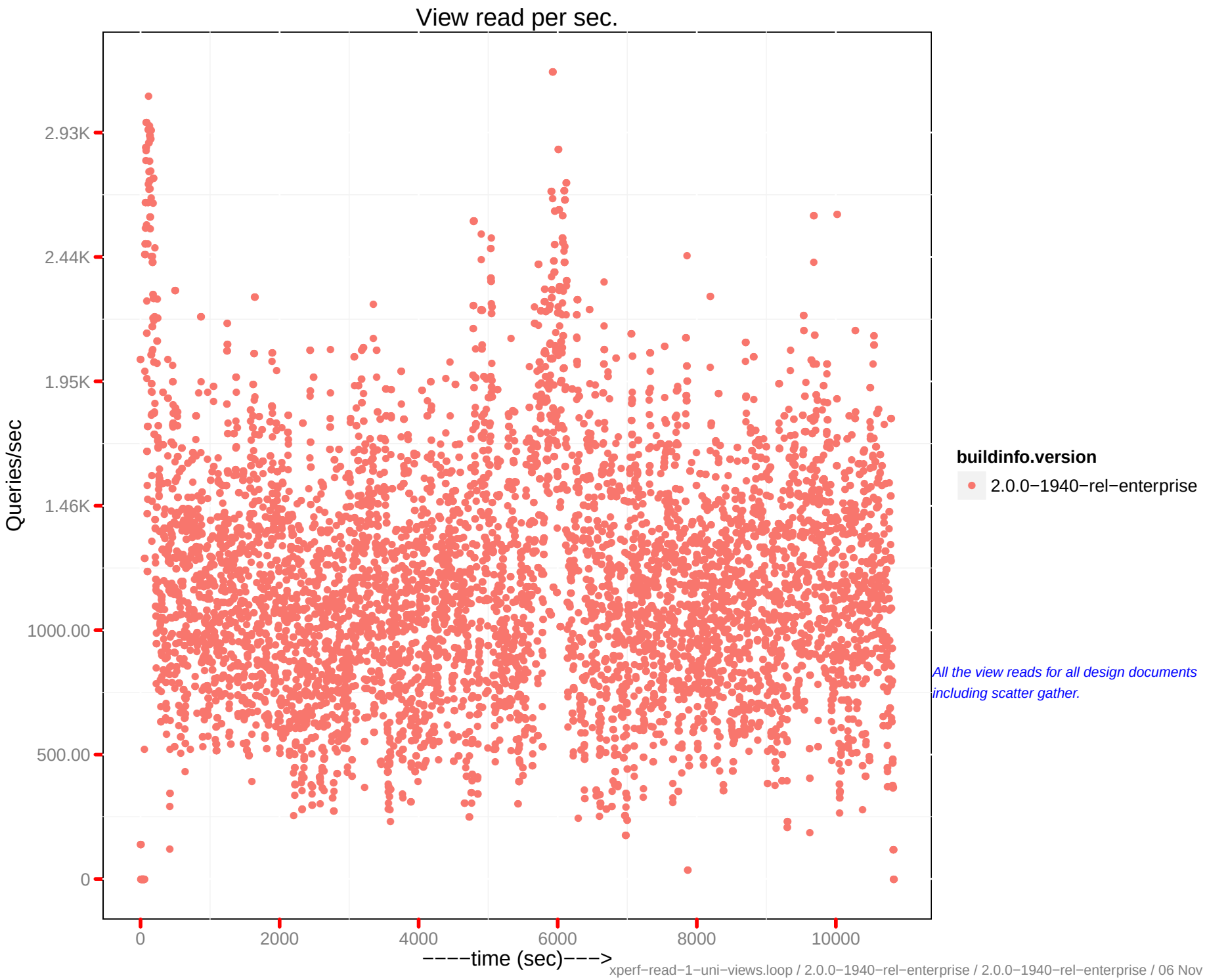
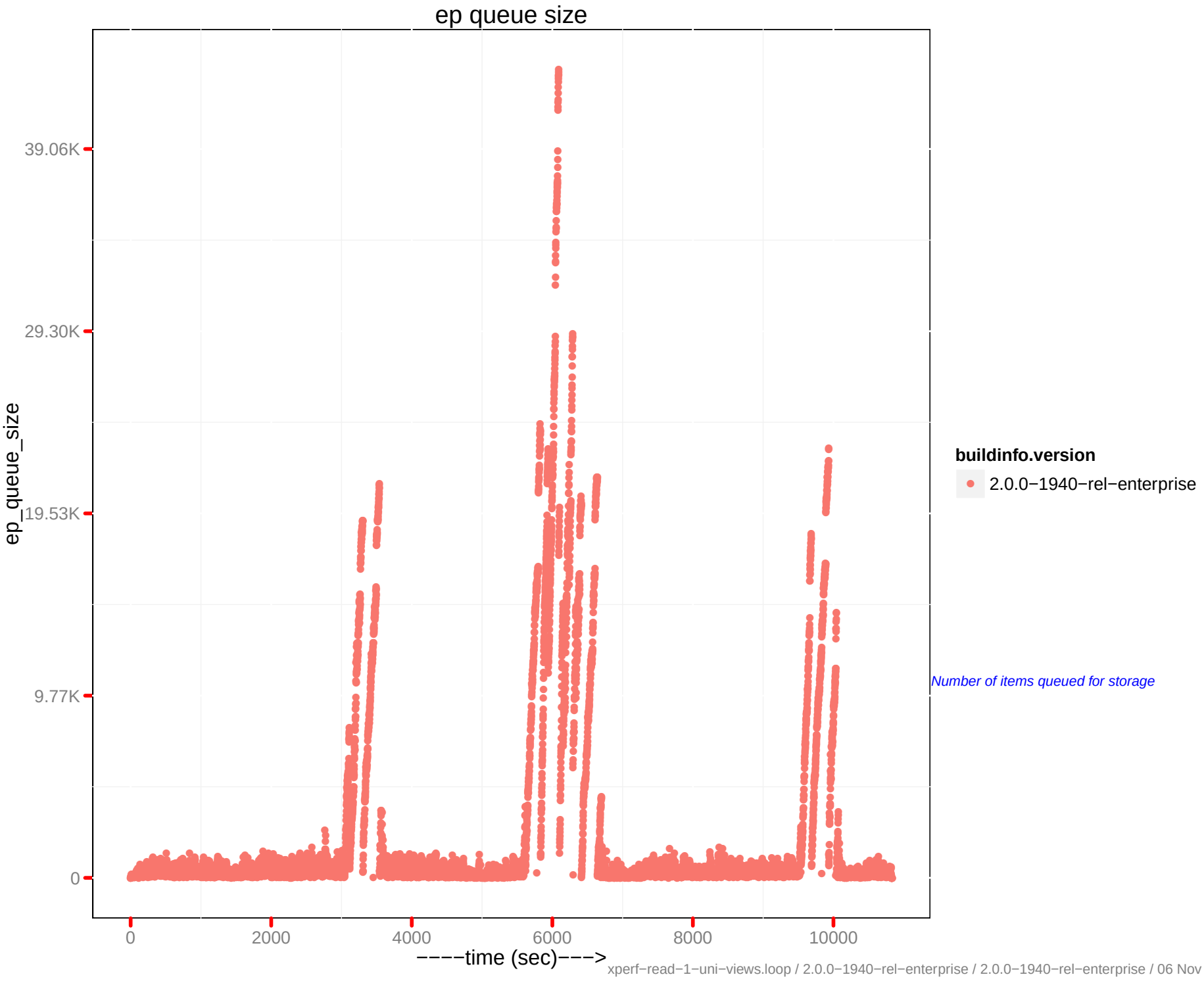
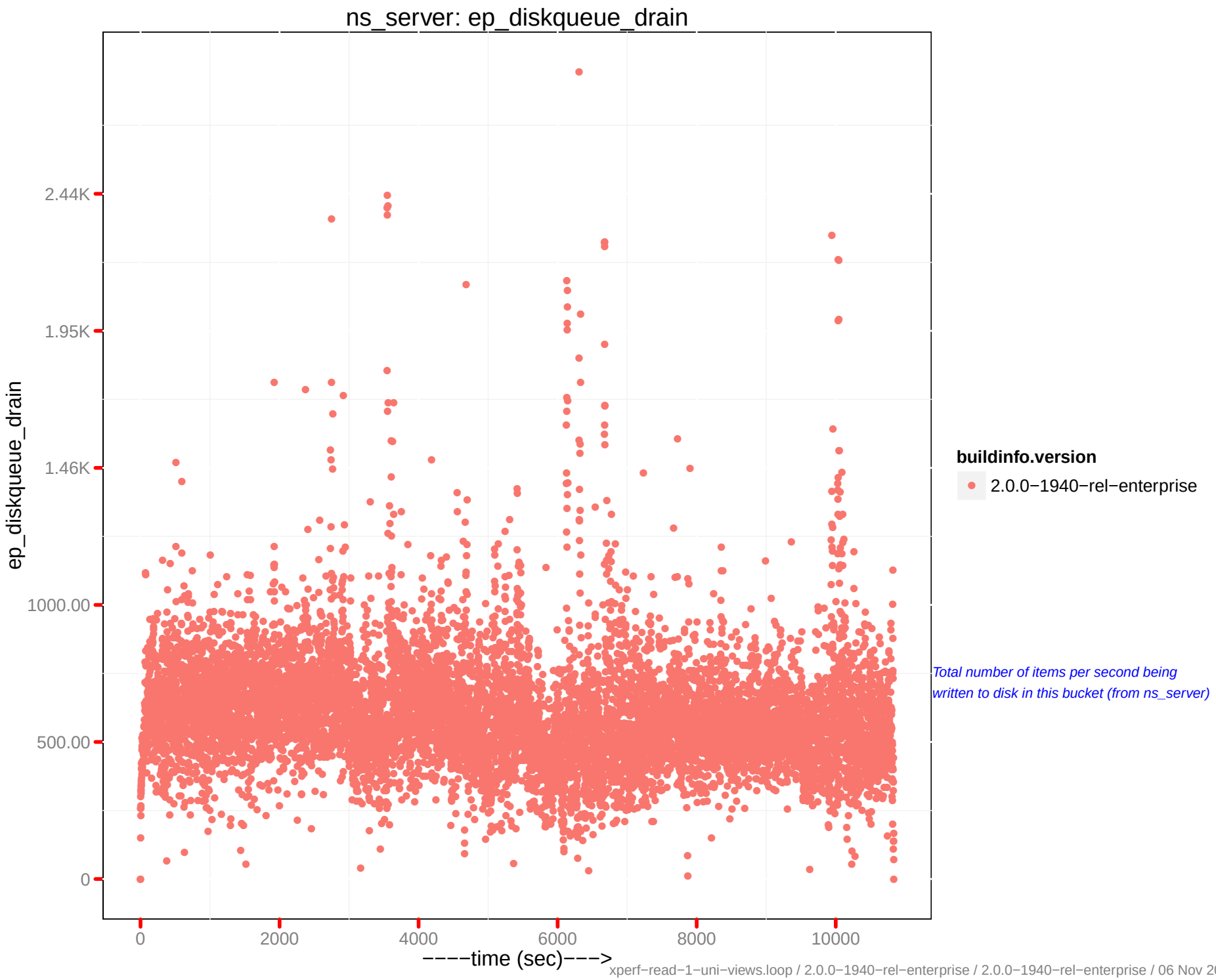
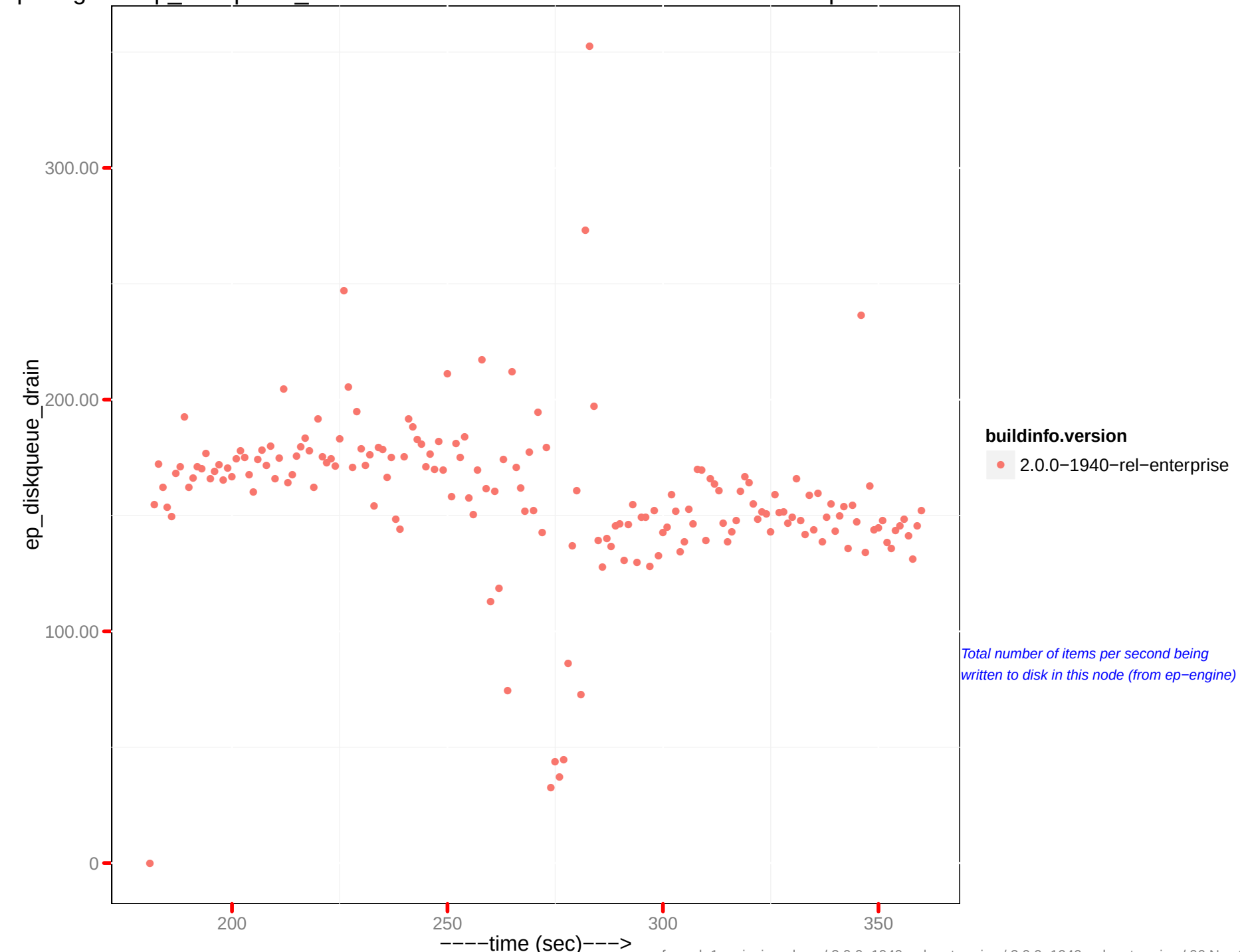
	2.0.0 − 1940	2.0.0 − 1940
Runtime (in hr)	3.01	NA
Avg. Drain Rate	599.11	NANA
Peak Disk (GB)	69.87	NA
Peak Memory (GB)	12.12	NA
Avg. OPS	8.79K	NANA
Avg. mem memcached (GB)	11.37	NA
Avg. mem beam.smp (MB)	720.22	NA
Avg. CPU rate (%)	68.83	NA
Latency−get (90th) (ms)	0.46	NA
Latency−get (95th) (ms)	0.81	NA
Latency−get (99th) (ms)	2.43	NA
Latency−set (90th) (ms)	NA	NA
Latency−set (95th) (ms)	NA	NA
Latency−set (99th) (ms)	NA	NA
Latency−query (80th) (ms)	67.5	NA
Latency−query (90th) (ms)	154.73	NA
Latency−query (95th) (ms)	486.24	NA
Latency−query (99th) (ms)	1854.35	NA
Latency−query (99.9th) (ms)	2674.66	NA
Avg. QPS	302.96	NA
Avg. XDC ops/sec	908.71	NA
Avg. XDC docs to replicate	NaN	NA
Rebalance Time (sec)	0	NA
Testrunner Version	0c43aa6	NA

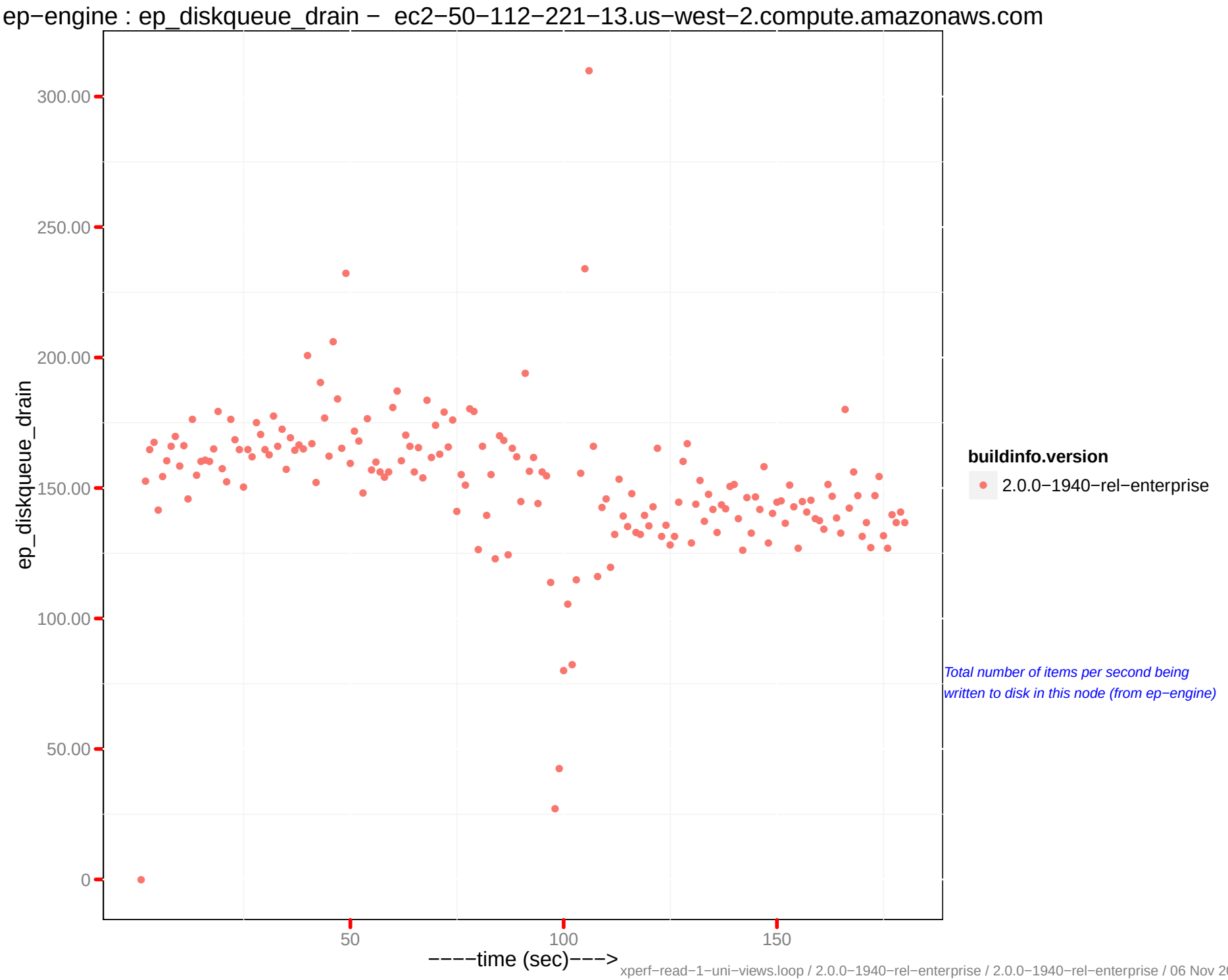

ops/sec
58.59K
48.83K
39.06K
29.30K
19.53K
9.77K
0
ops/sec
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of ops per second
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

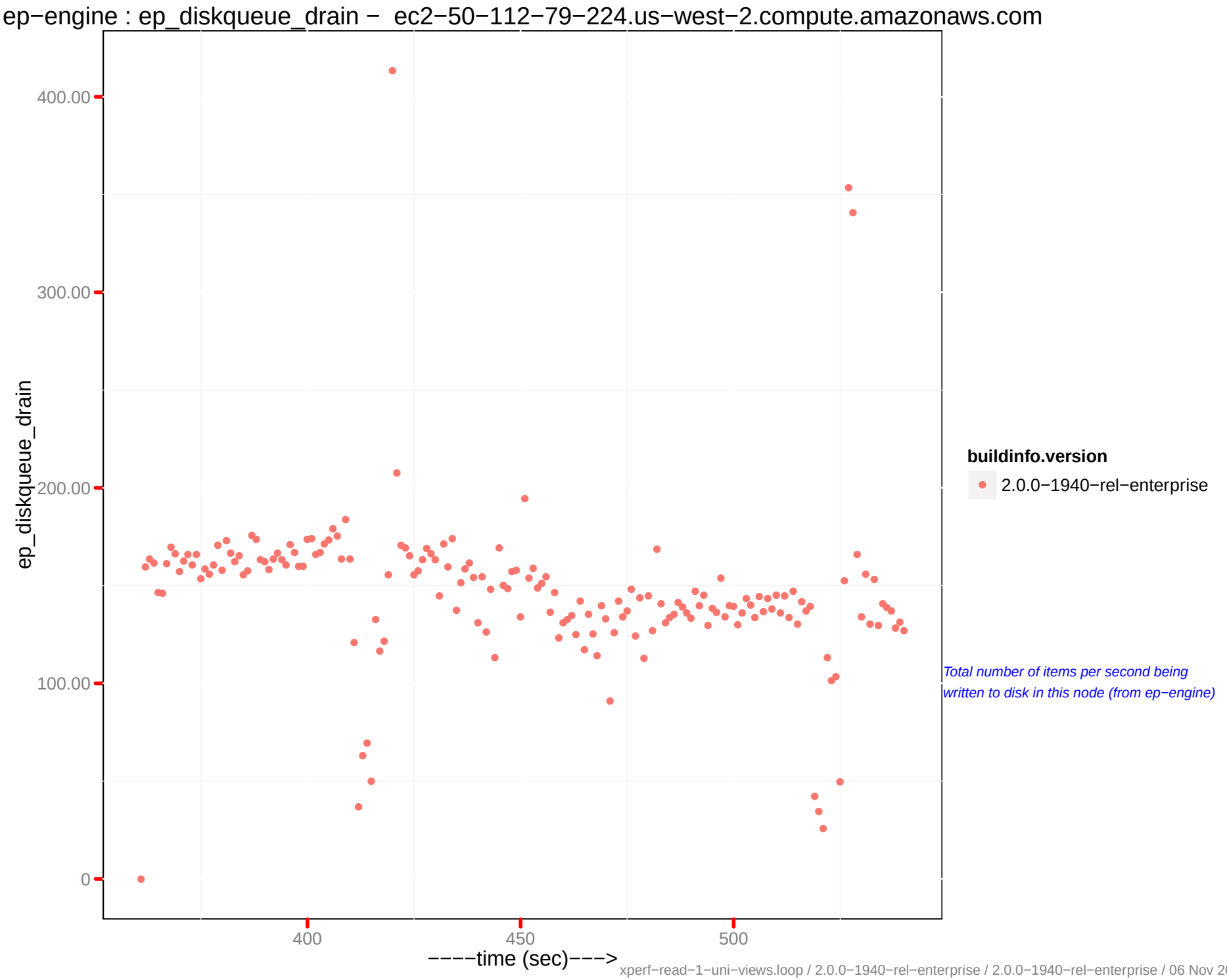

View read per sec.
Queries/sec
2.93K
2.44K
1.95K
1.46K
1000.00
500.00
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
All the view reads for all design documents including scatter gather.
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

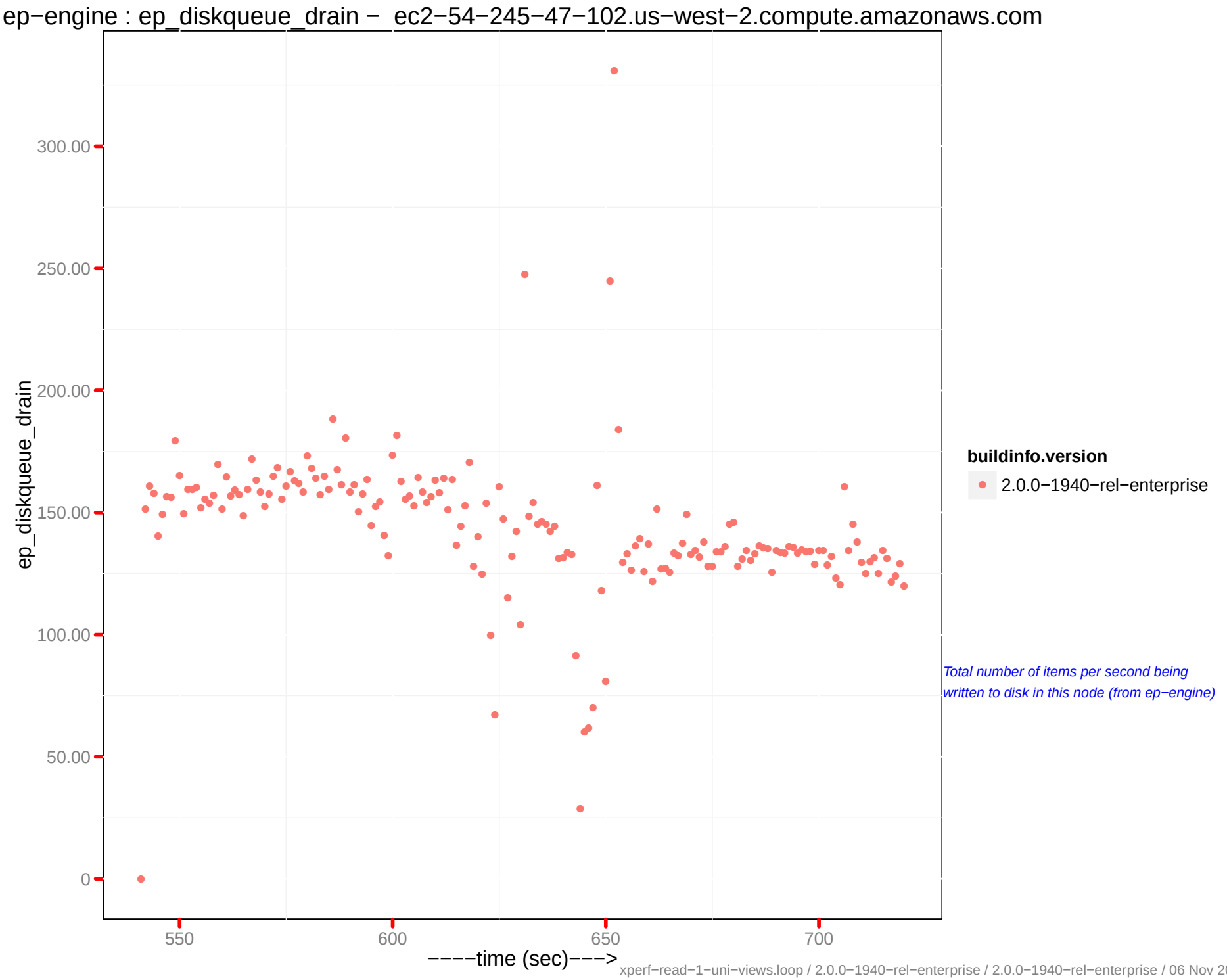

ep queue size
39.06K
29.30K
19.53K
9.77K
0
ep_queue_size
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of items queued for storage
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

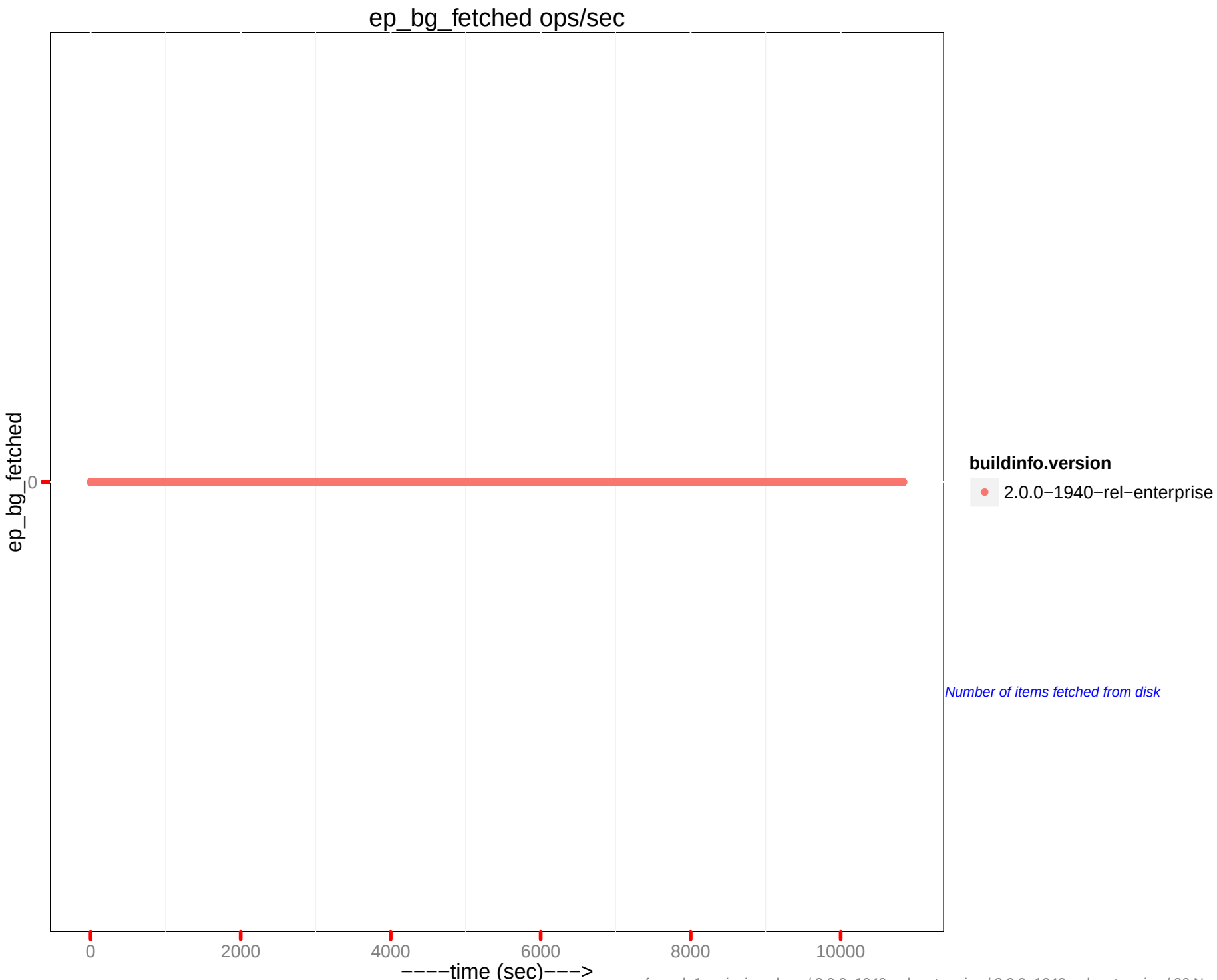

ns_server: ep_diskqueue_drain
ep_diskqueue_drain
2.44K
1.95K
1.46K
1000.00
500.00
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Total number of items per second being written to disk in this bucket (from ns_server)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

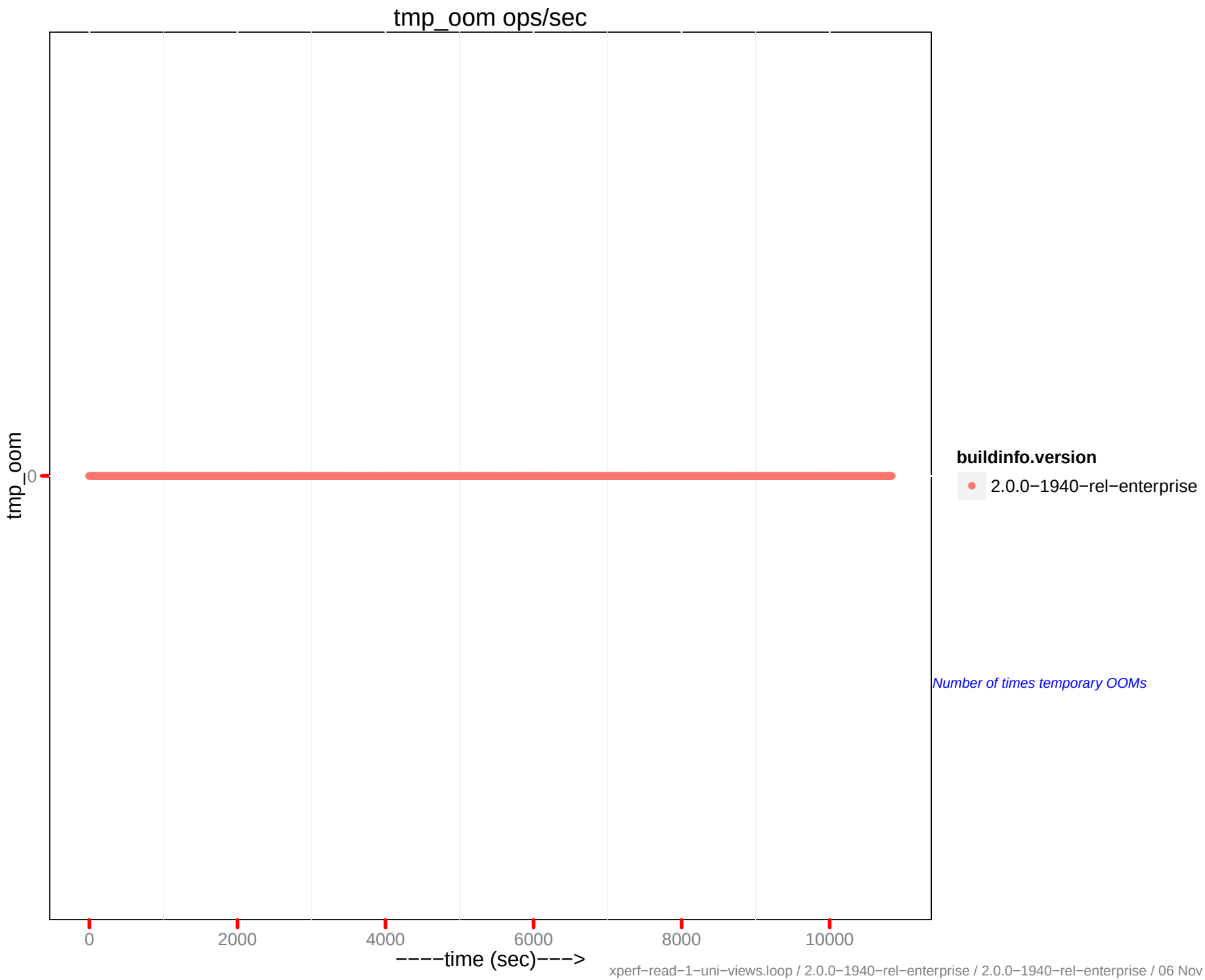

ep−engine : ep_diskqueue_drain − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
ep_diskqueue_drain
300.00
200.00
100.00
0
200
250
300
350
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total number of items per second being written to disk in this node (from ep−engine)
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

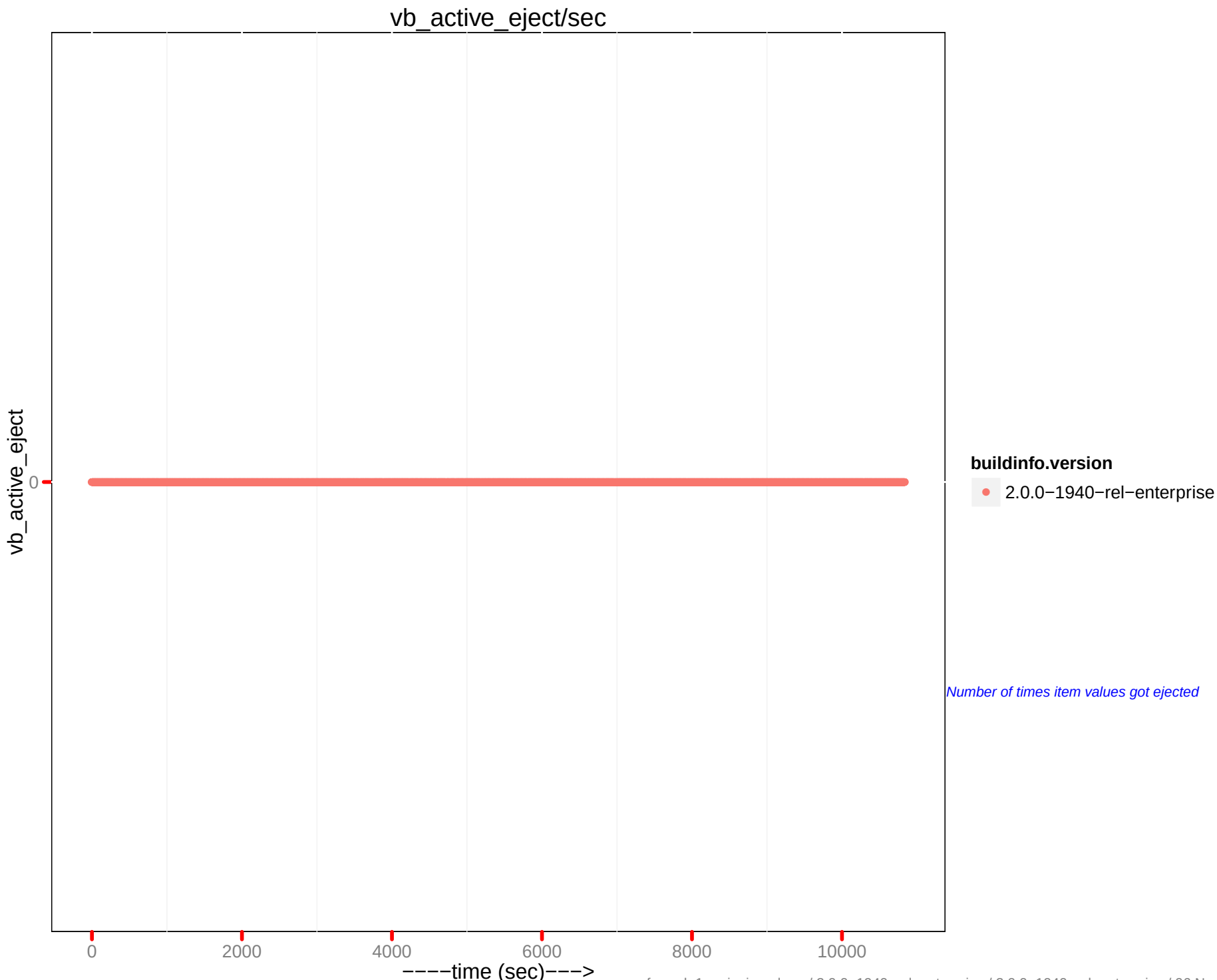

ep−engine : ep_diskqueue_drain − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
ep_diskqueue_drain
300.00
250.00
200.00
150.00
100.00
50.00
0
50
100
150
−−−−time (sec)−−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total number of items per second being written to disk in this node (from ep−engine)
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

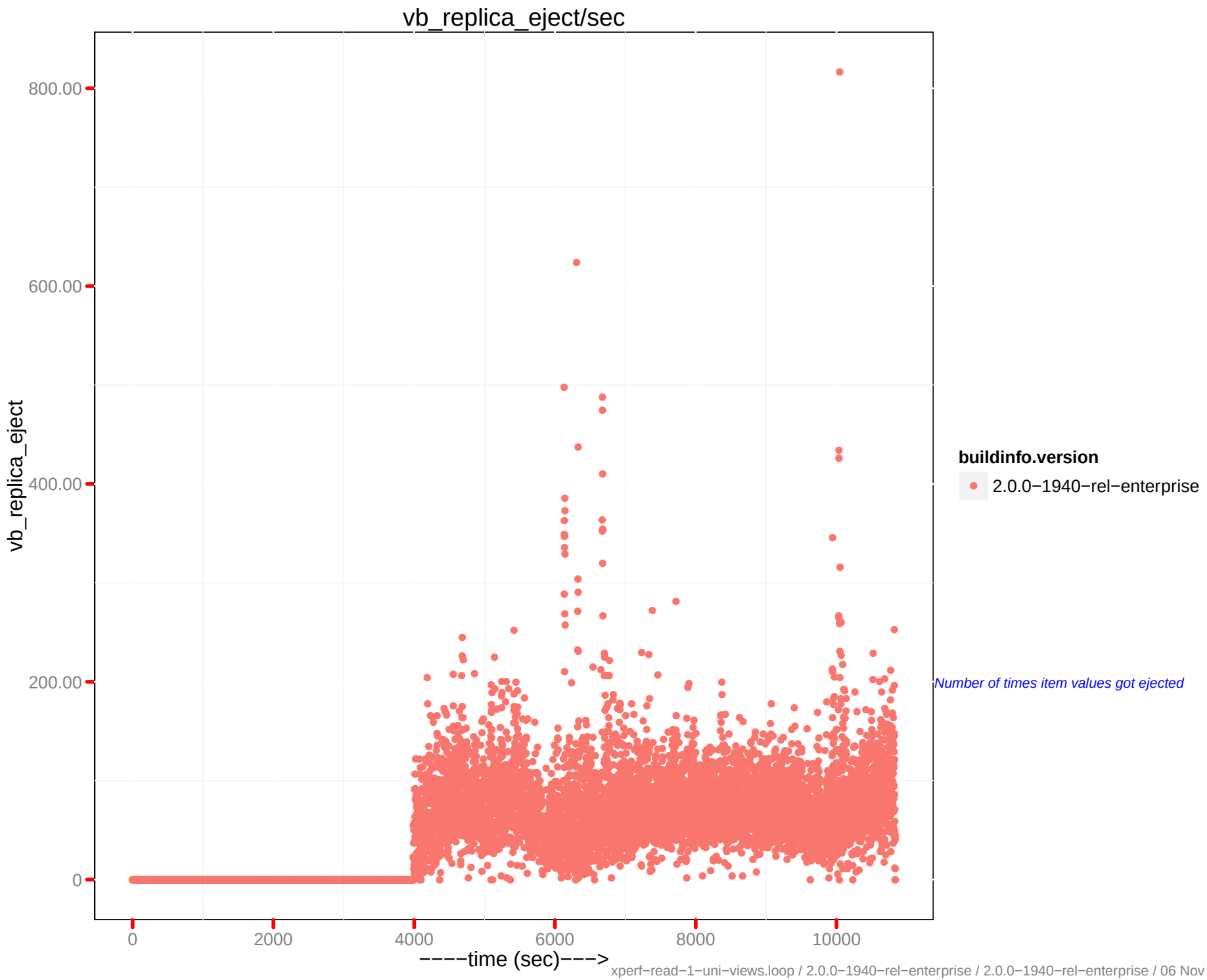

ep−engine : ep_diskqueue_drain − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
ep_diskqueue_drain
400.00
300.00
200.00
100.00
0
400
450
500
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total number of items per second being written to disk in this node (from ep−engine)
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

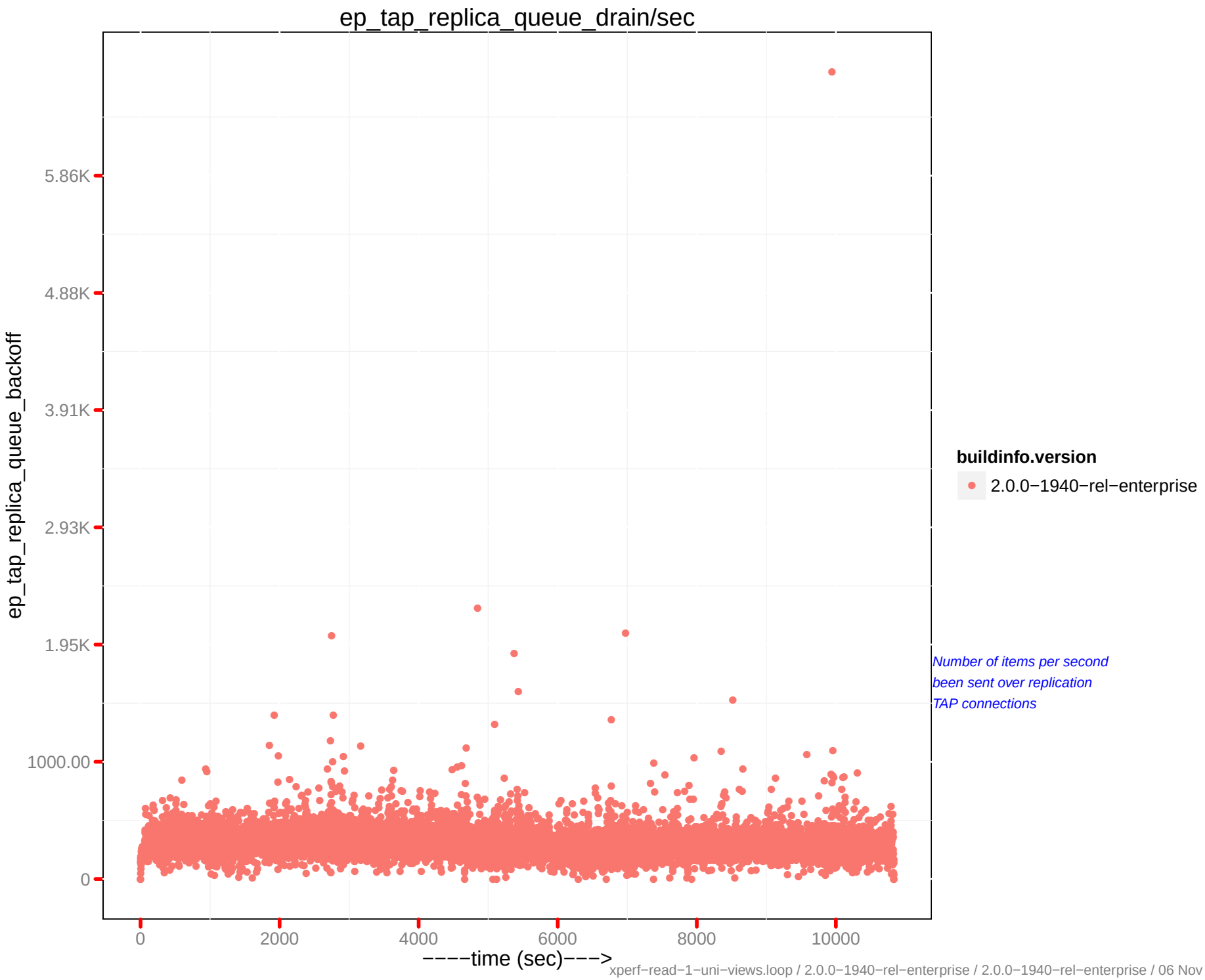

ep−engine : ep_diskqueue_drain − _ec2−54−245−47−102.us−west−2.compute.amazonaws.com
ep_diskqueue_drain
300.00
250.00
200.00
150.00
100.00
50.00
0
550
600
650
700
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total number of items per second being written to disk in this node (from ep−engine)
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

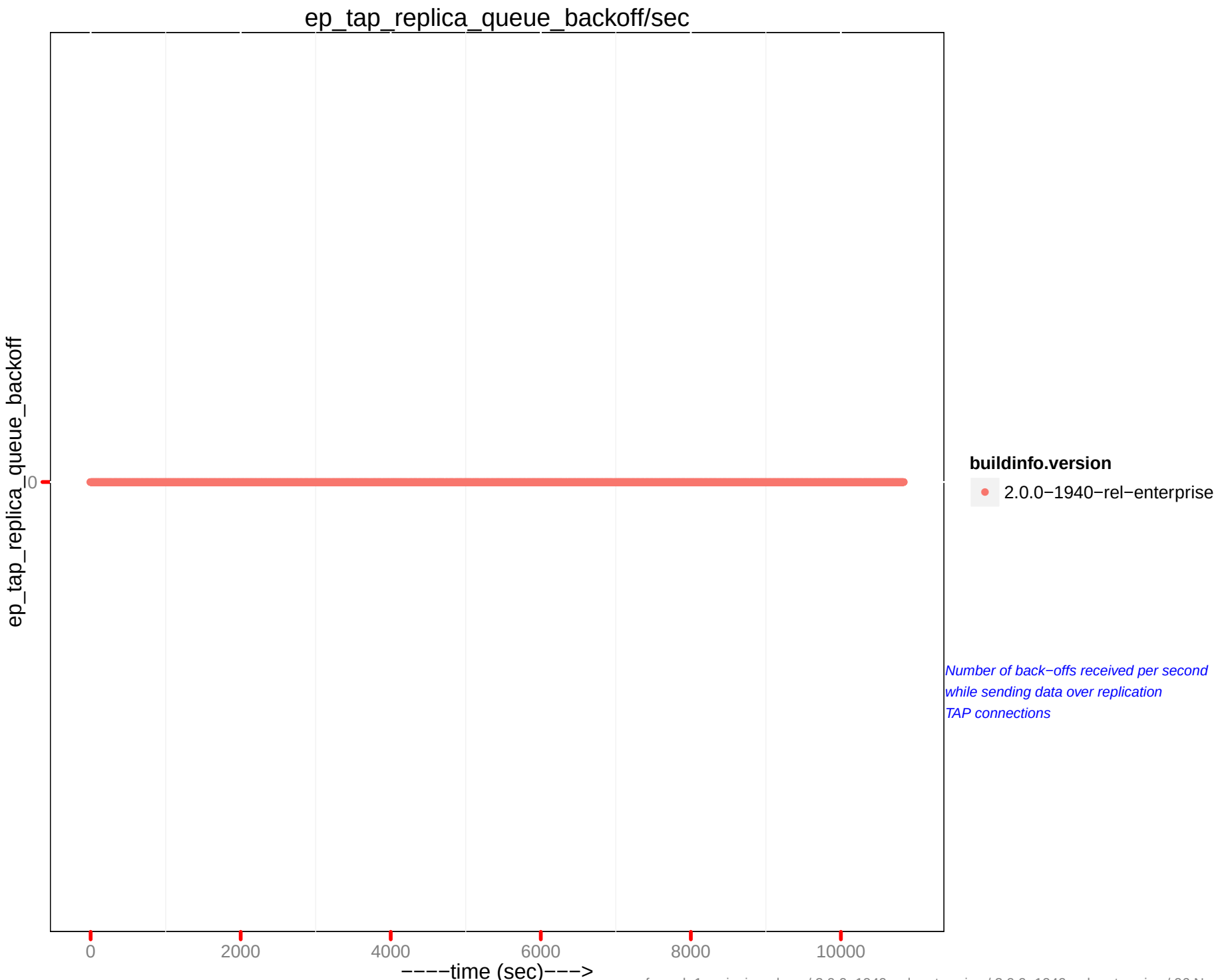

ep_bg_fetched ops/sec
ep_bg_fetched
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of items fetched from disk
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

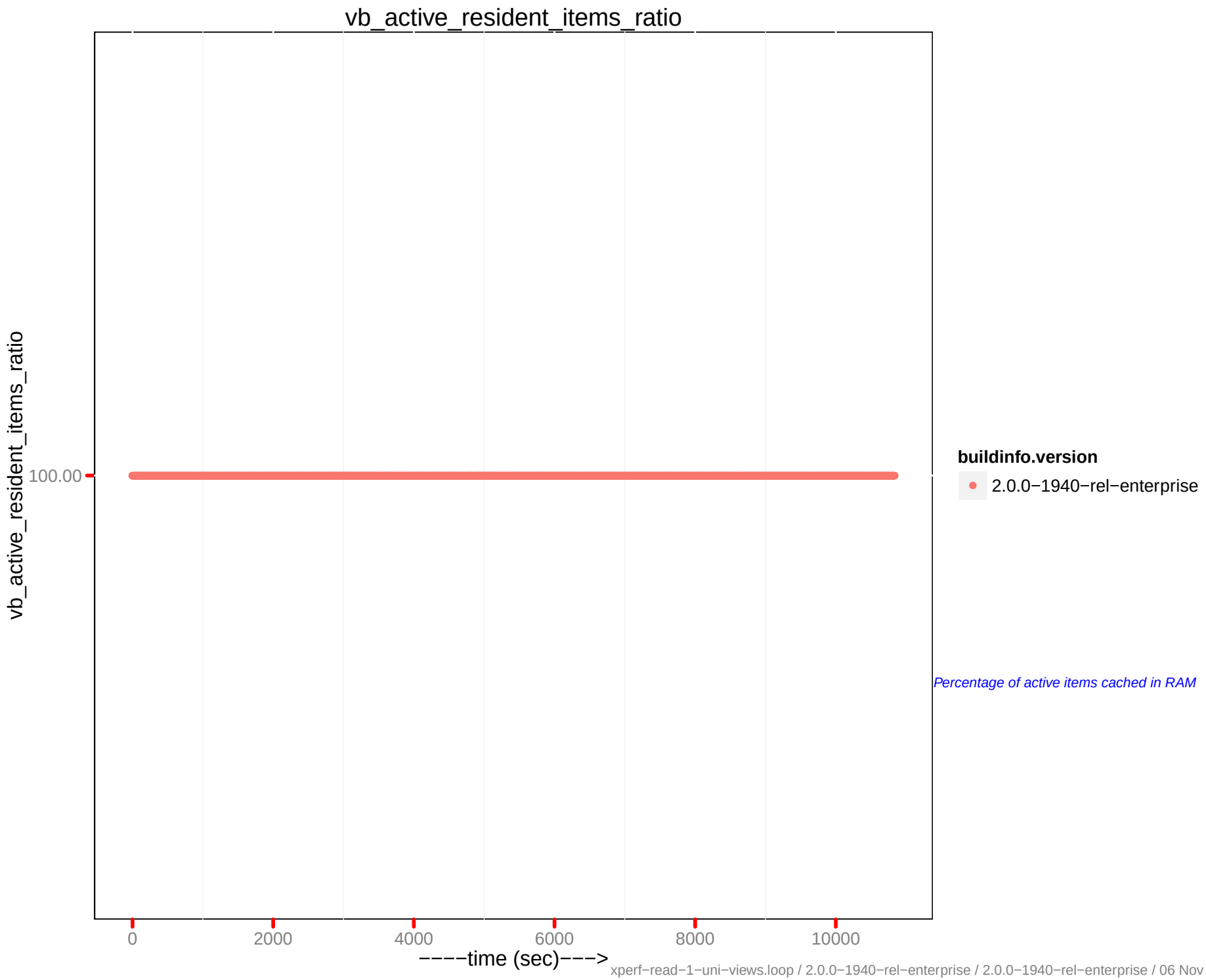

tmp_oom ops/sec
tmp_oom
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of times temporary OOMs
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

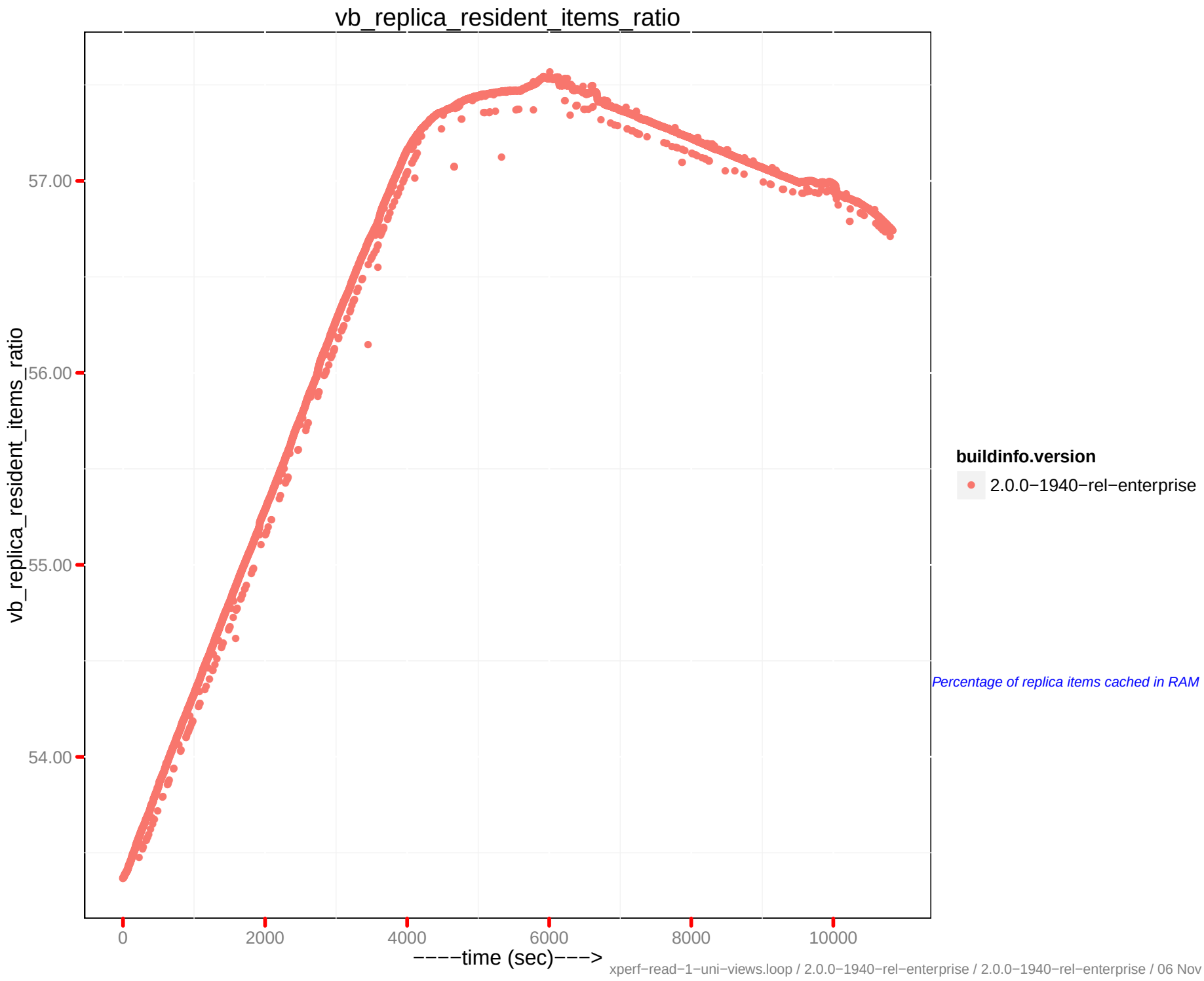

vb_active_eject/sec
vb_active_eject
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of times item values got ejected
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

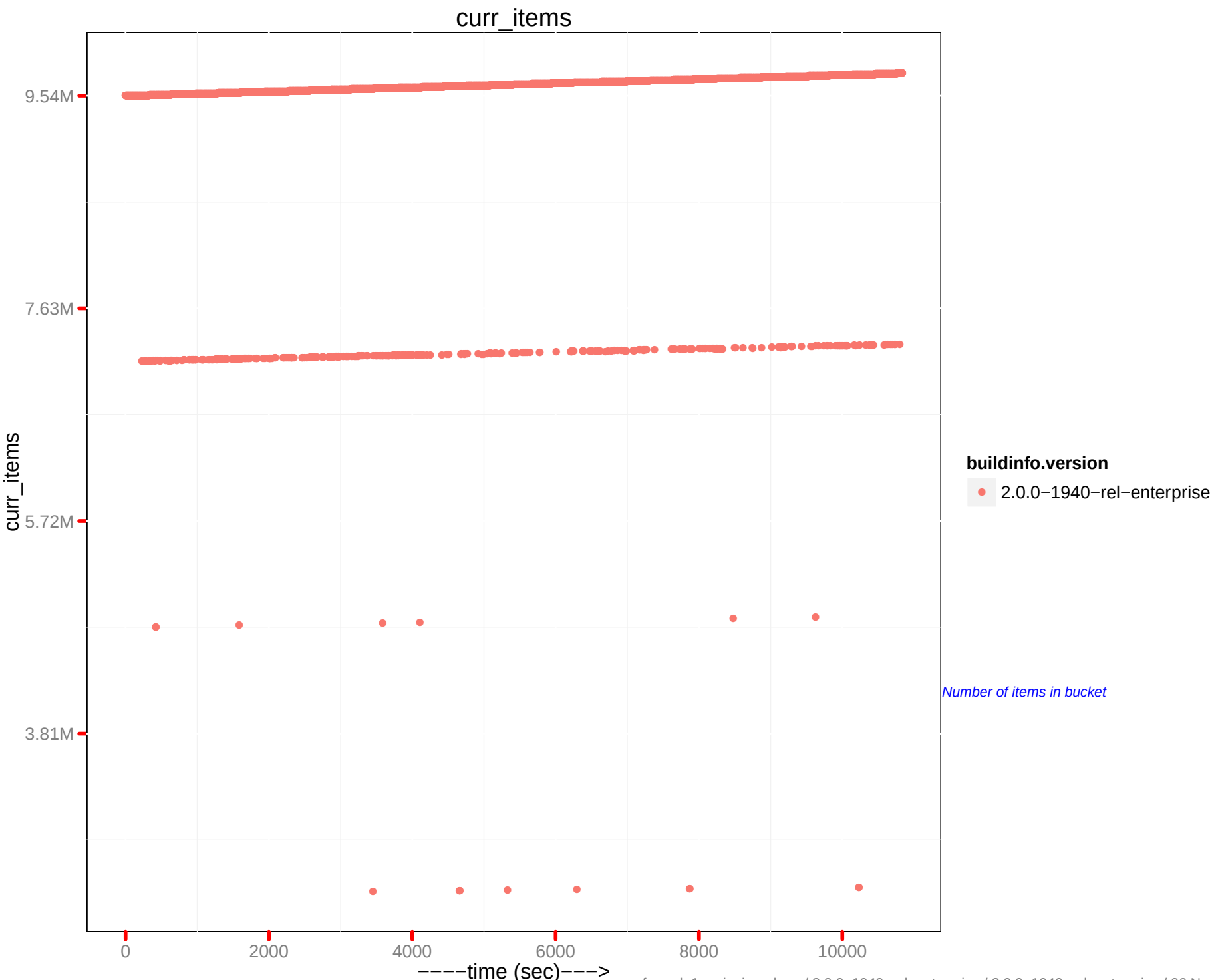

vb_replica_eject/sec
800.00
600.00
400.00
200.00
0
vb_replica_eject
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of times item values got ejected
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

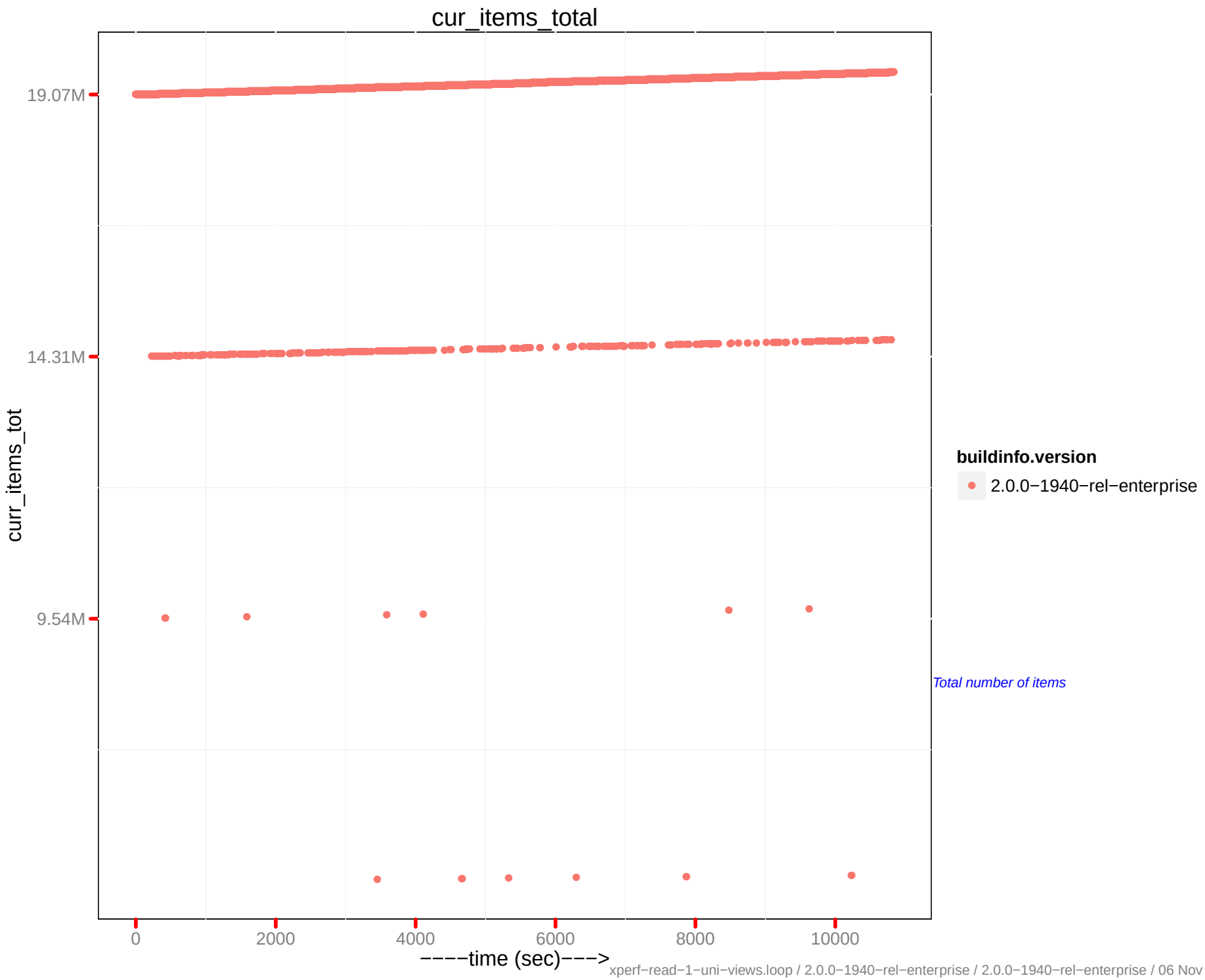

ep_tap_replica_queue_drain/sec
ep_tap_replica_queue_backoff
5.86K
4.88K
3.91K
2.93K
1.95K
1000.00
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of items per second
been sent over replication
TAP connections
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

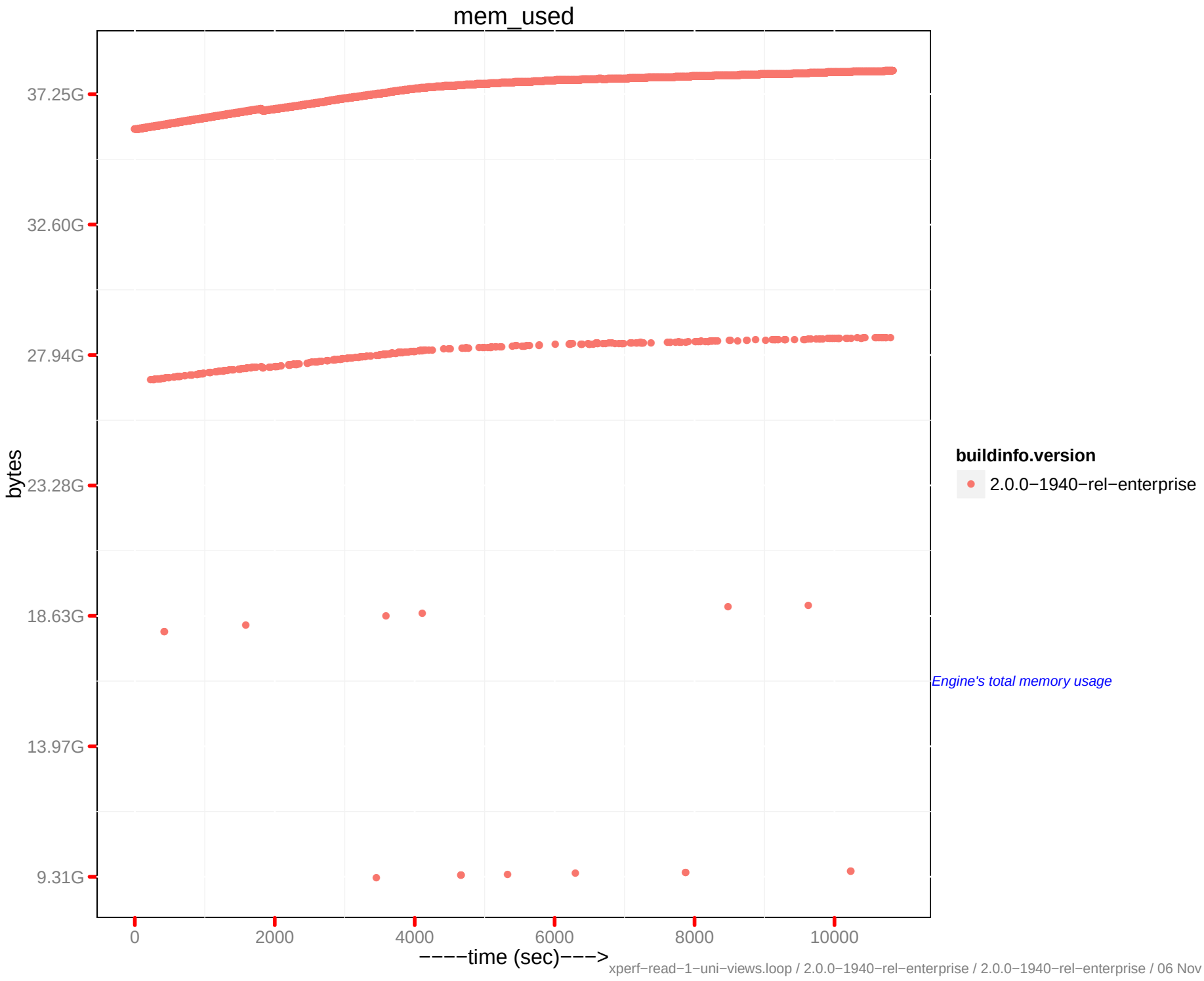

ep_tap_replica_queue_backoff/sec
ep_tap_replica_queue_backoff
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of back−offs received per second
while sending data over replication
TAP connections
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

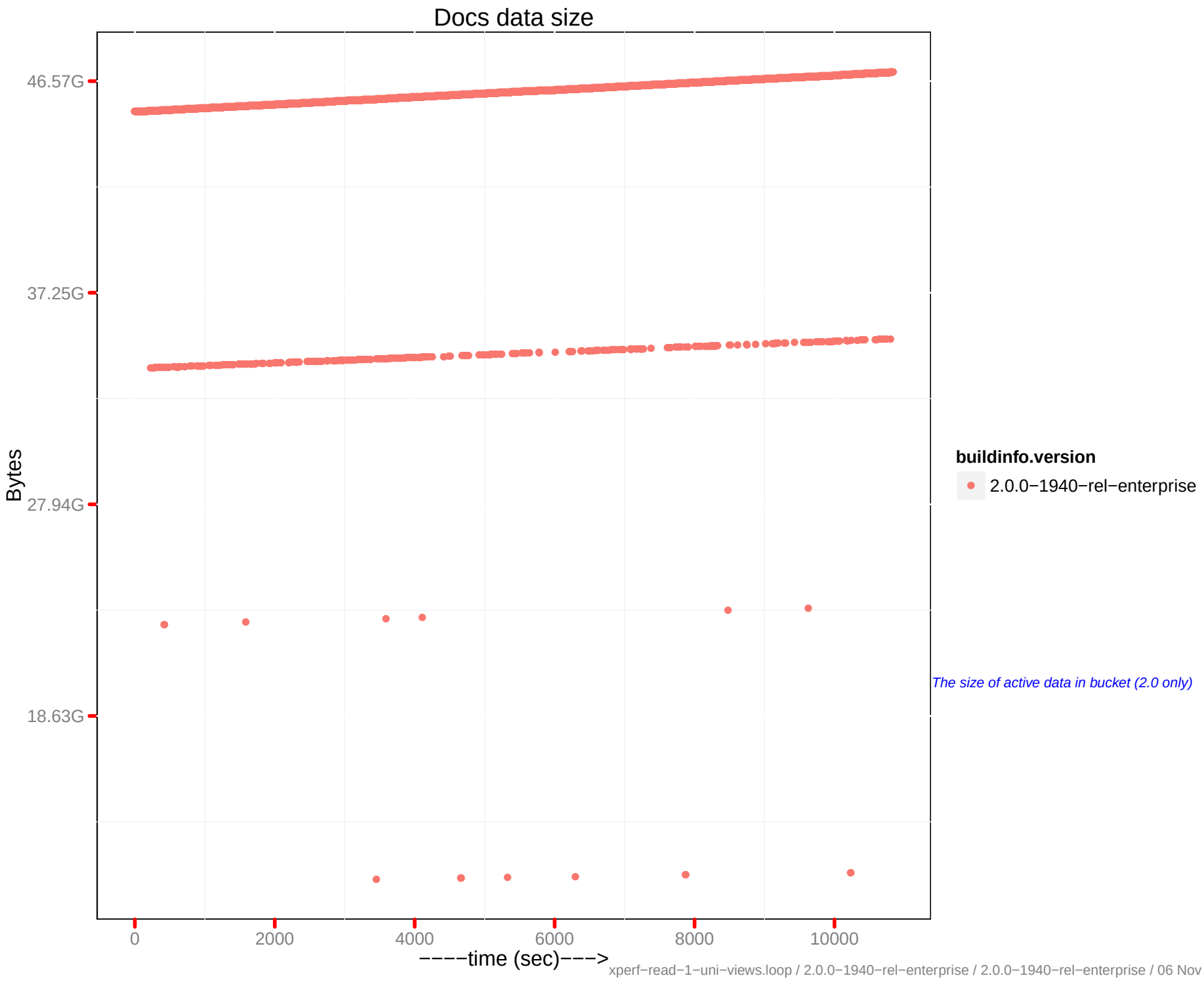

vb_active_resident_items_ratio
vb_active_resident_items_ratio
100.00
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Percentage of active items cached in RAM
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

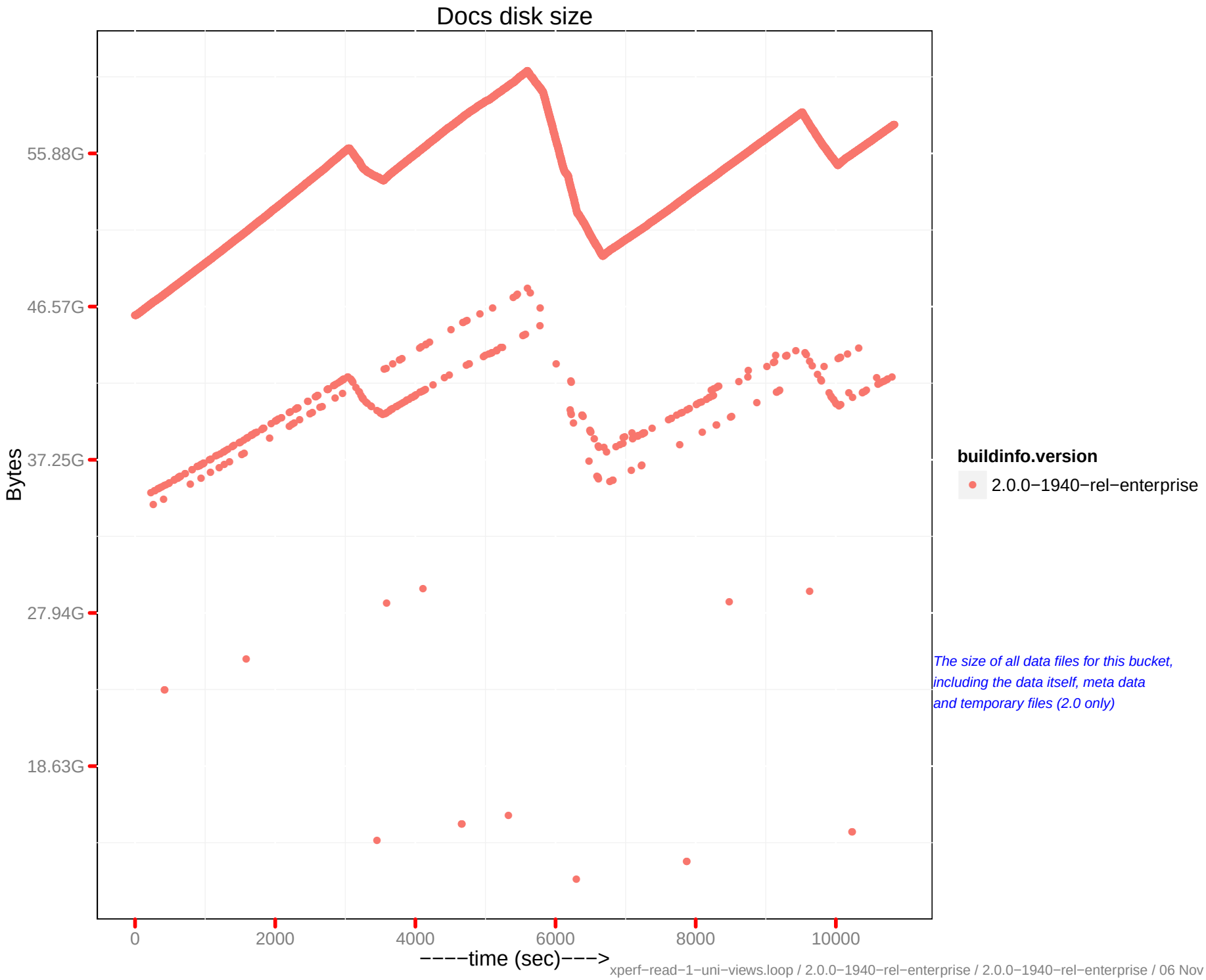

vb_replica_resident_items_ratio
vb_replica_resident_items_ratio
57.00
56.00
55.00
54.00
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Percentage of replica items cached in RAM
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

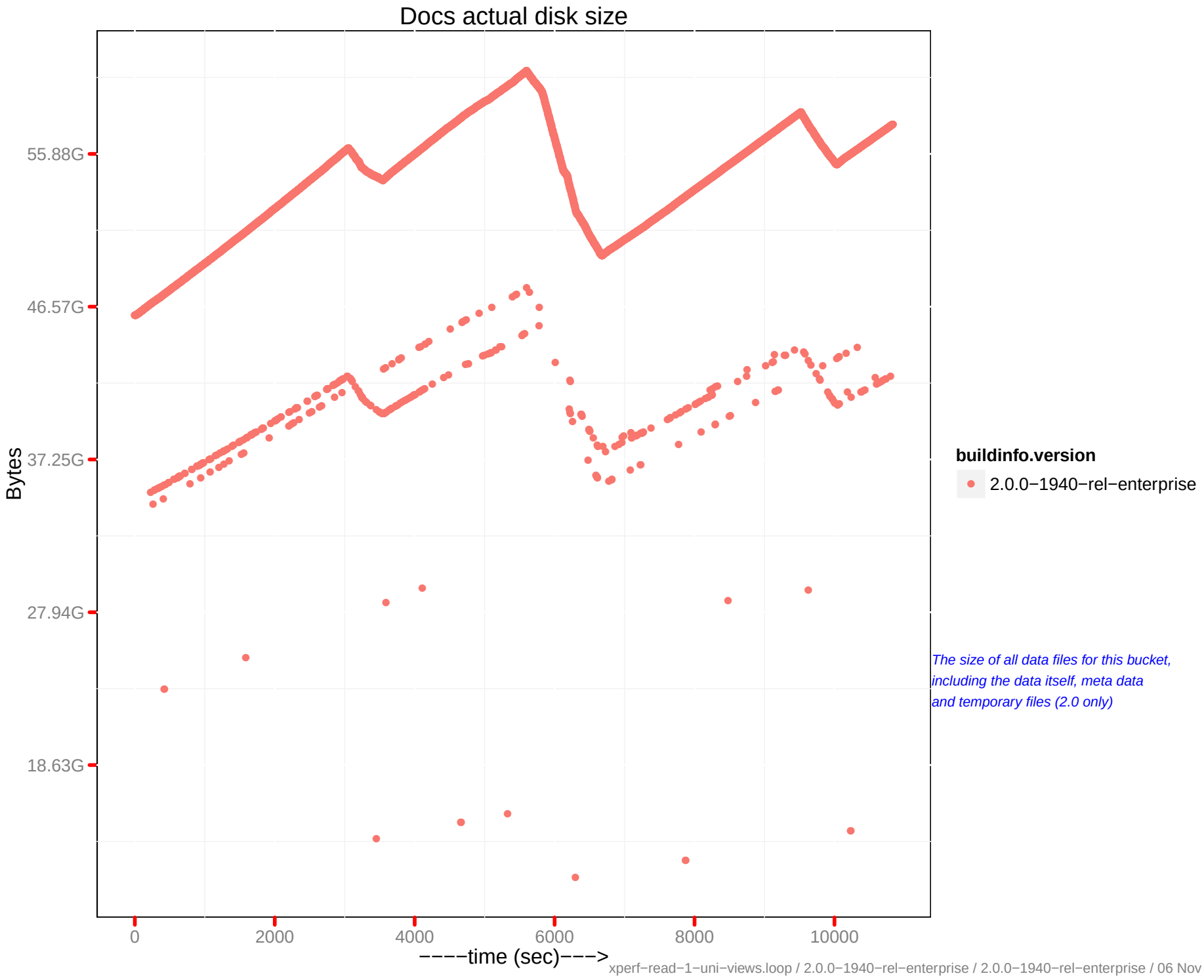

curr_items
9.54M
7.63M
5.72M
3.81M
curr_items
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of items in bucket
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

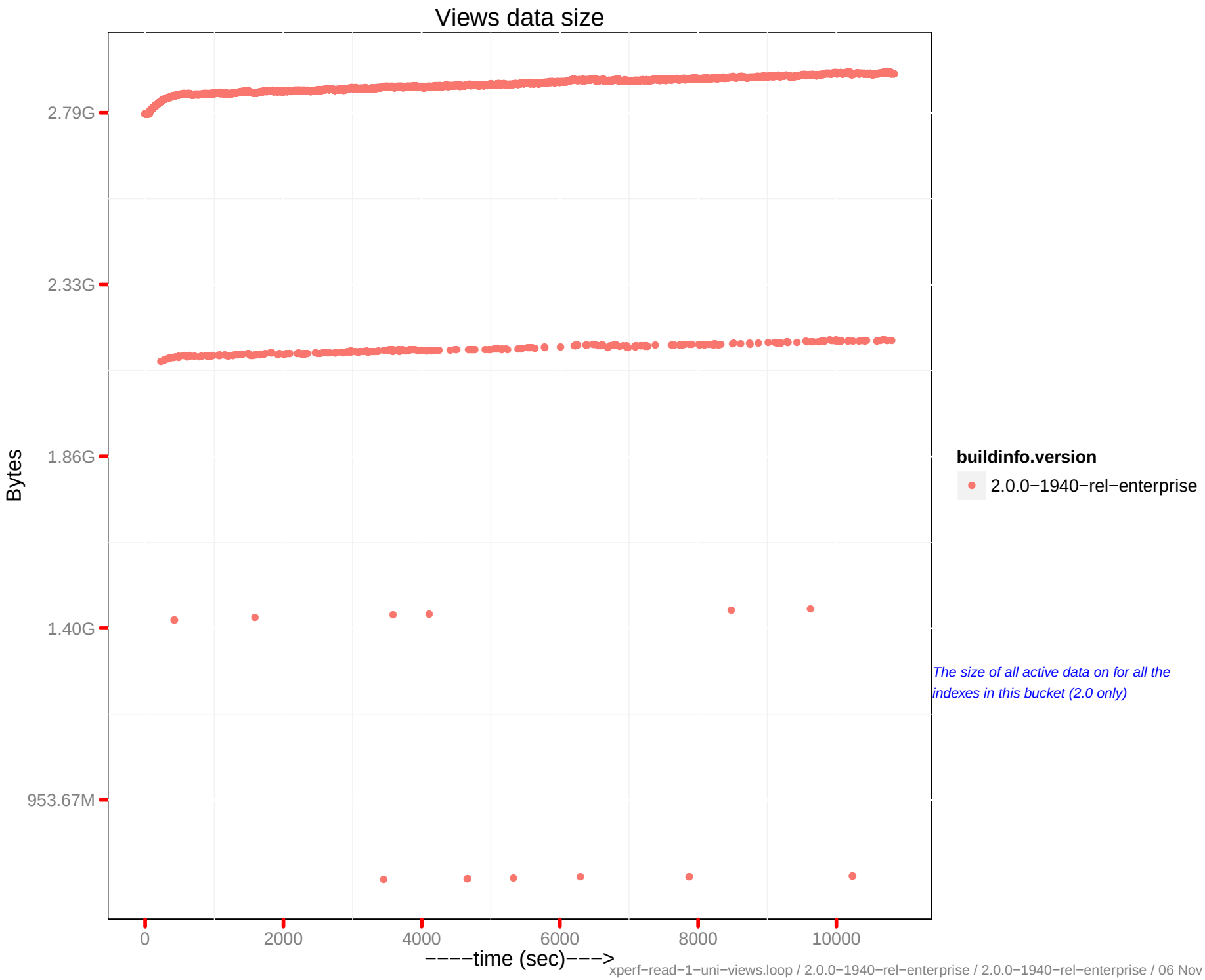

cur_items_total
19.07M
14.31M
9.54M
curr_items_tot
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Total number of items
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

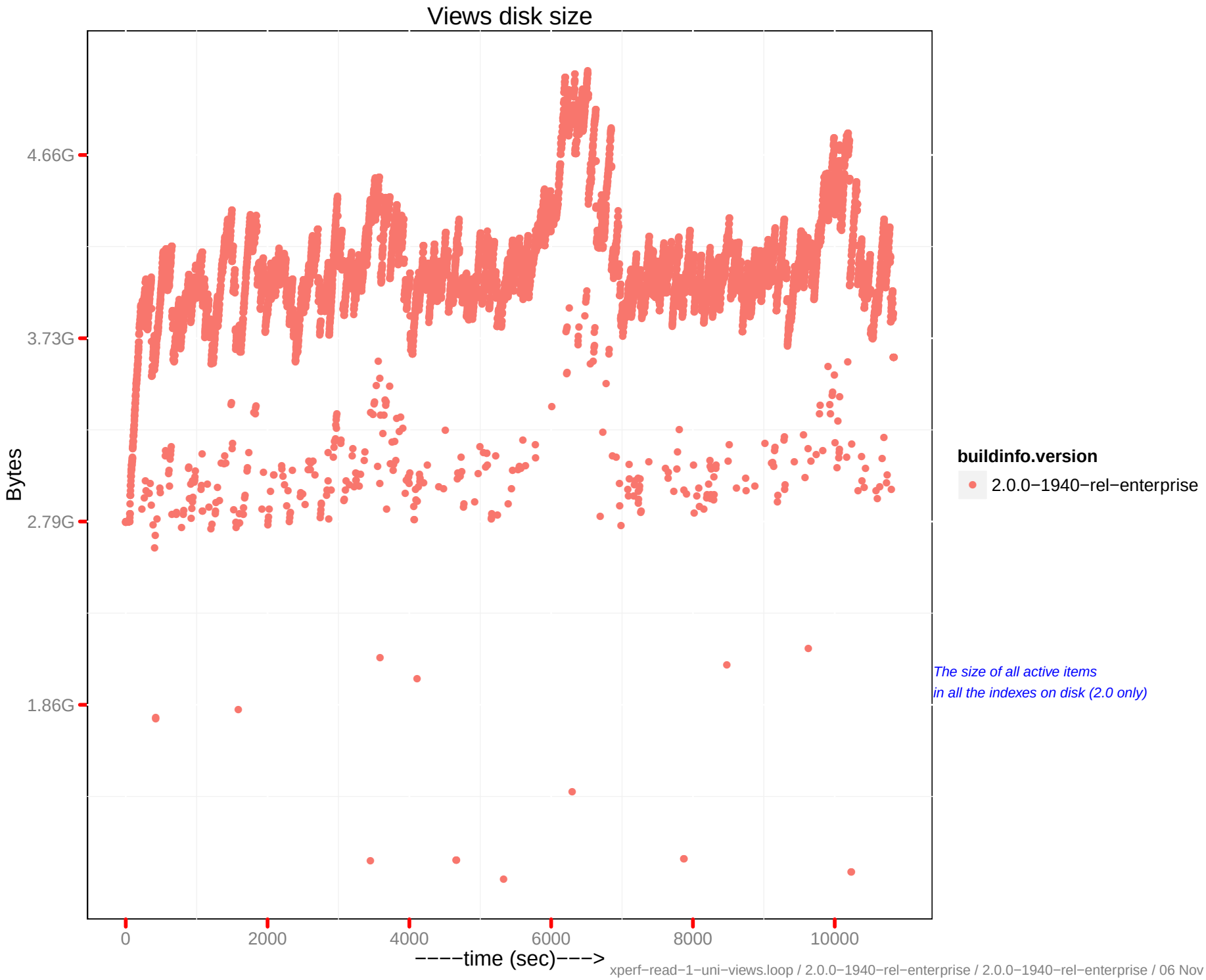

mem_used
37.25G
32.60G
27.94G
23.28G
18.63G
13.97G
9.31G
bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Engine's total memory usage
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

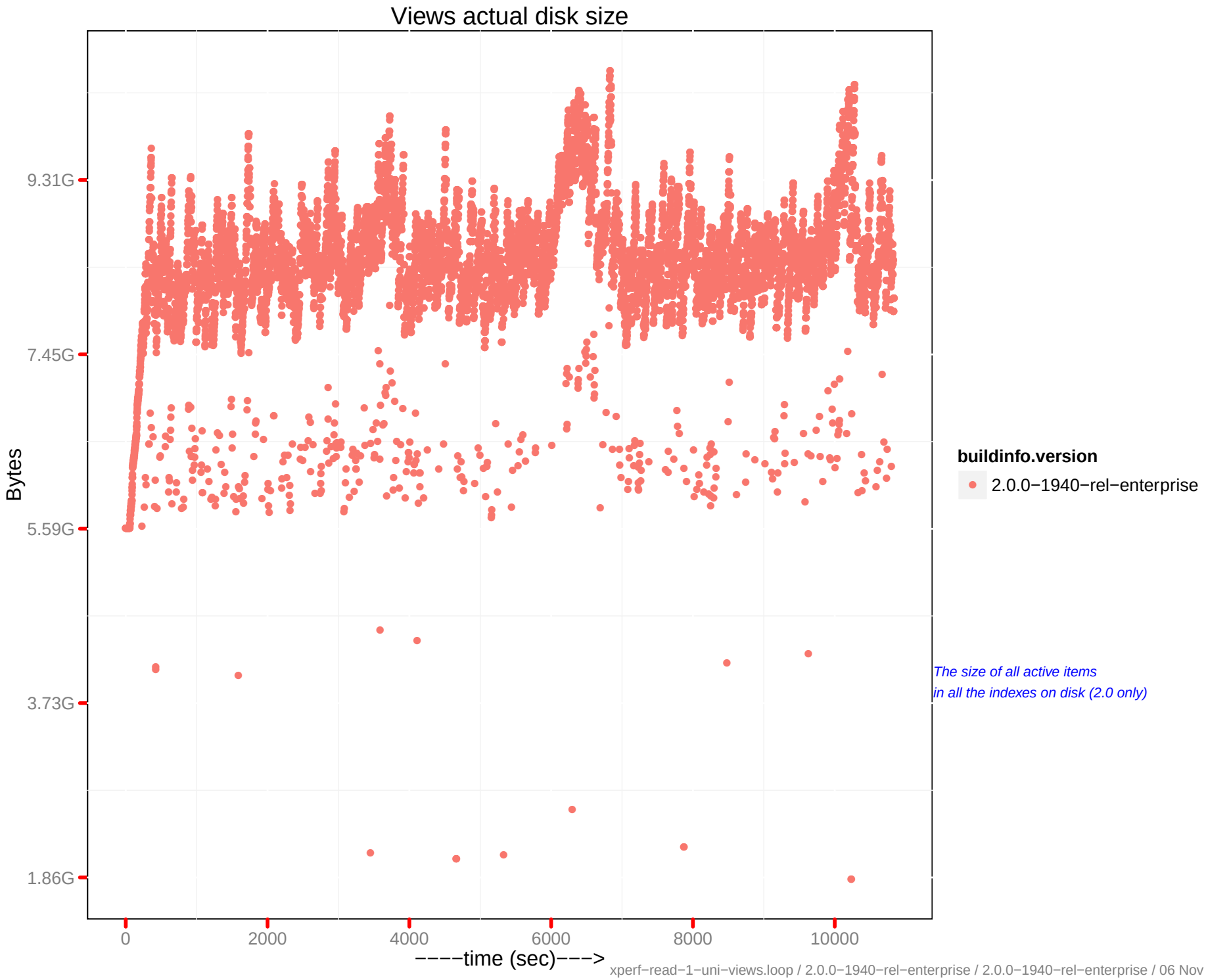

Docs data size
46.57G
37.25G
27.94G
18.63G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of active data in bucket (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

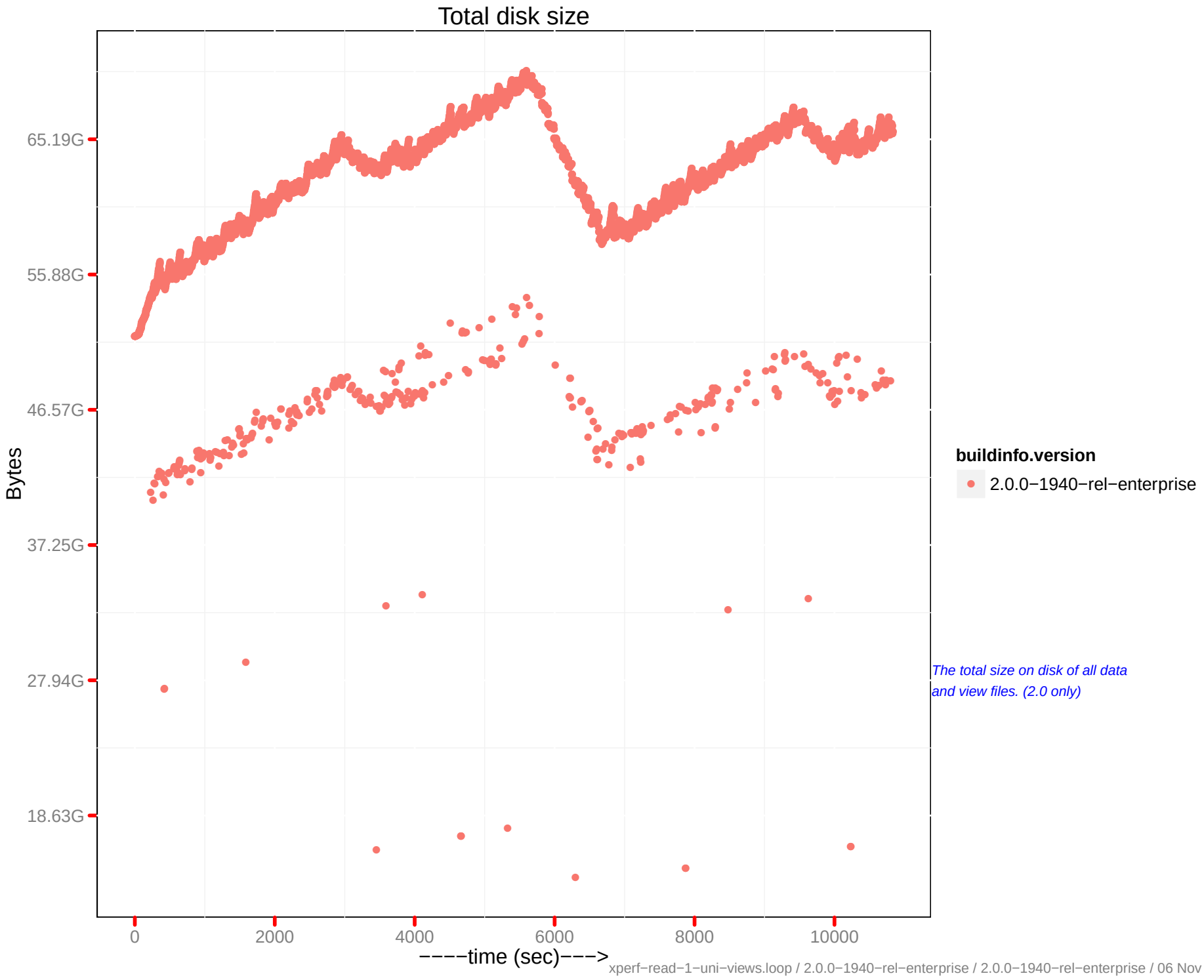

Docs disk size
55.88G
46.57G
37.25G
27.94G
18.63G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of all data files for this bucket, including the data itself, meta data and temporary files (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

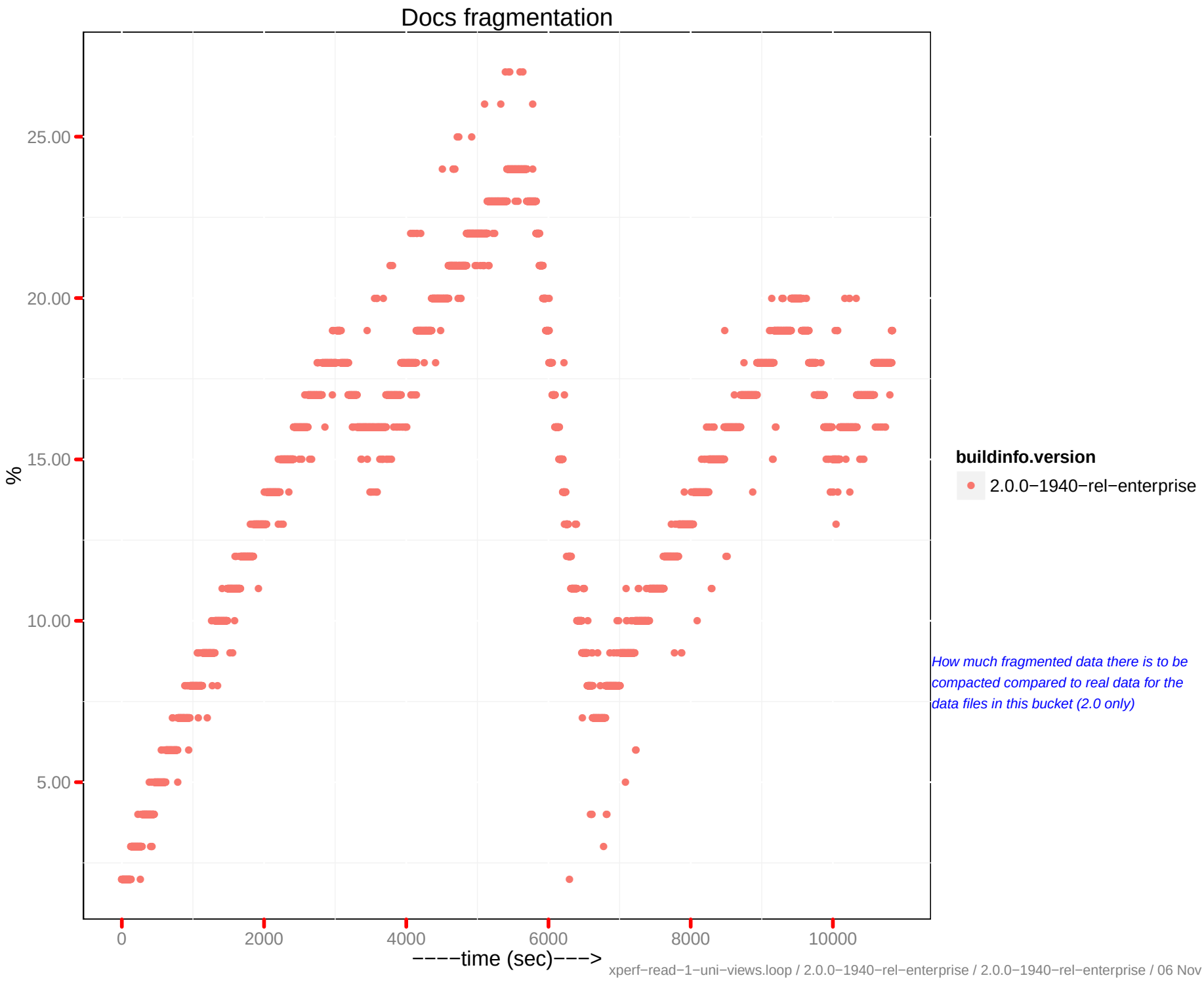

Docs actual disk size
55.88G
46.57G
37.25G
27.94G
18.63G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of all data files for this bucket, including the data itself, meta data and temporary files (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

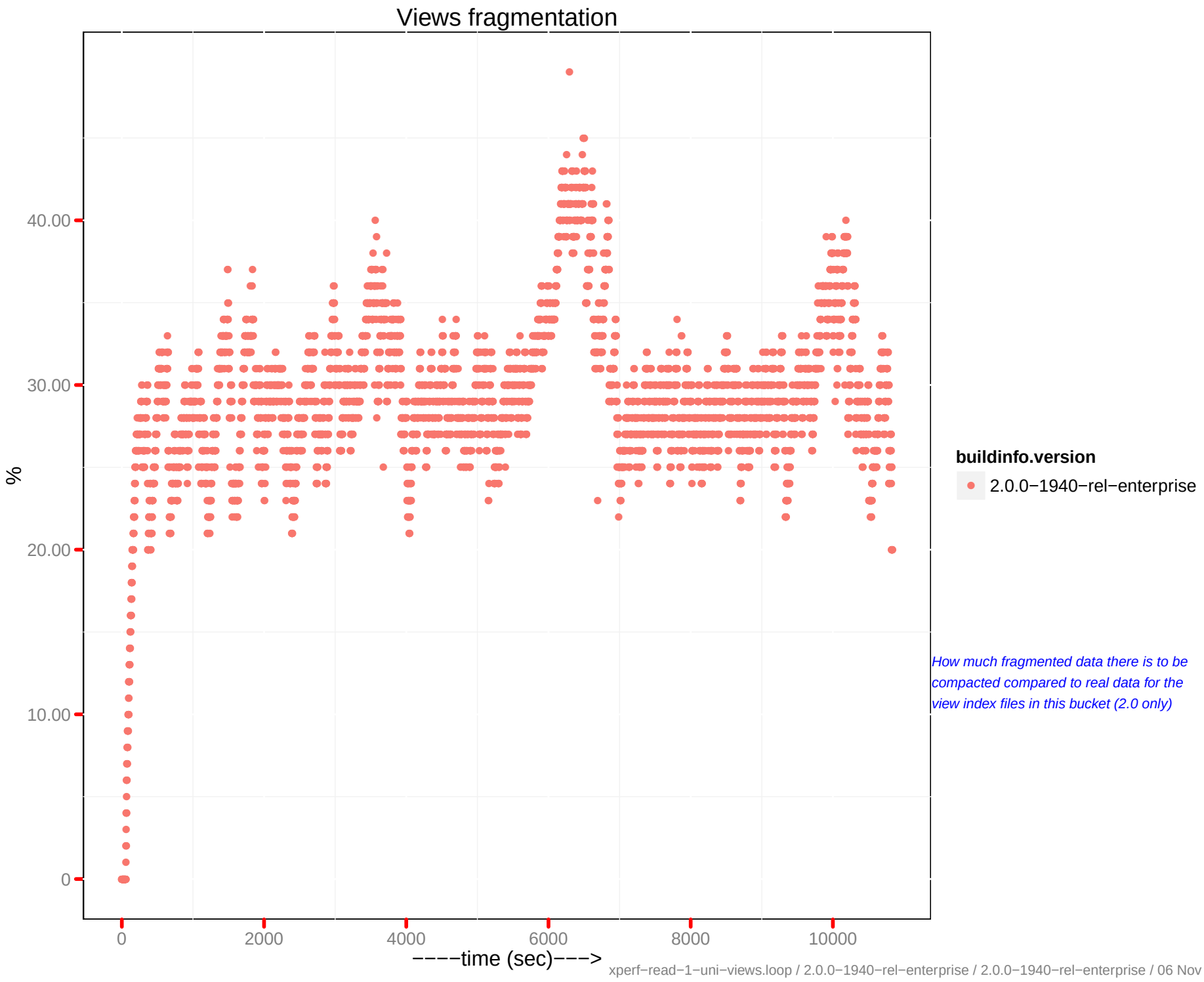

Views data size
2.79G
2.33G
1.86G
1.40G
953.67M
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of all active data on for all the indexes in this bucket (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

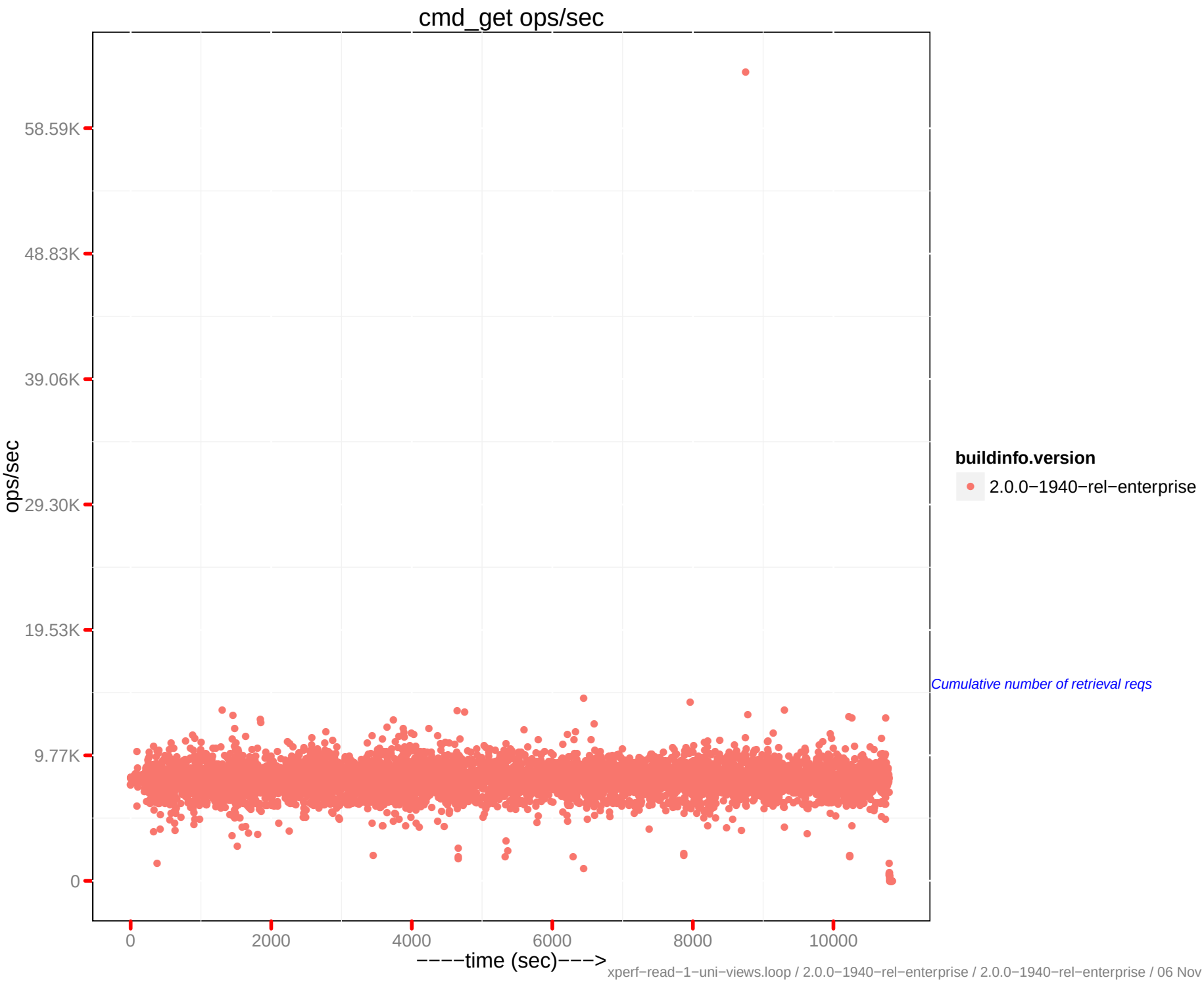

Views disk size
4.66G
3.73G
2.79G
1.86G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of all active items
in all the indexes on disk (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

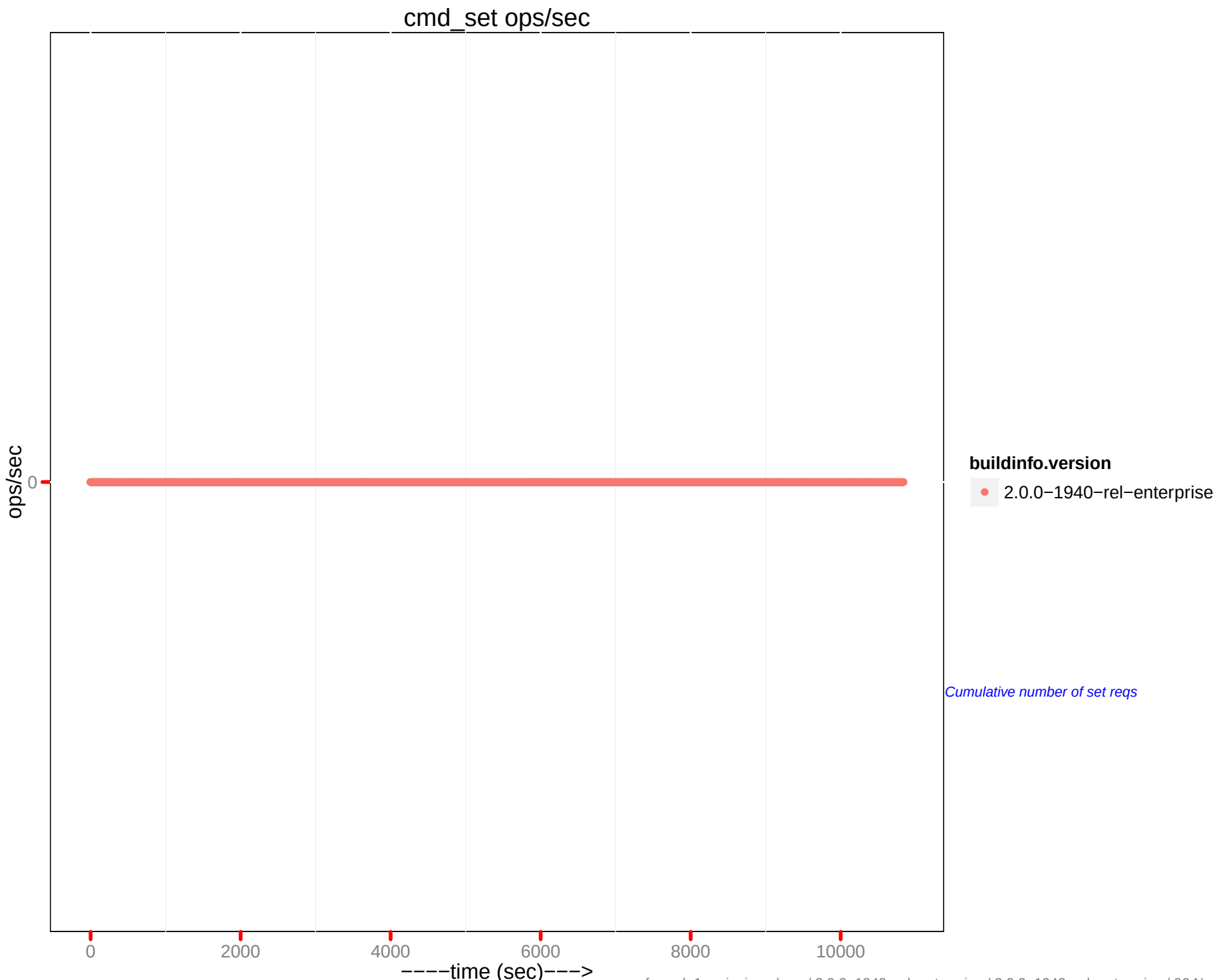

Views actual disk size
9.31G
7.45G
5.59G
3.73G
1.86G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The size of all active items
in all the indexes on disk (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

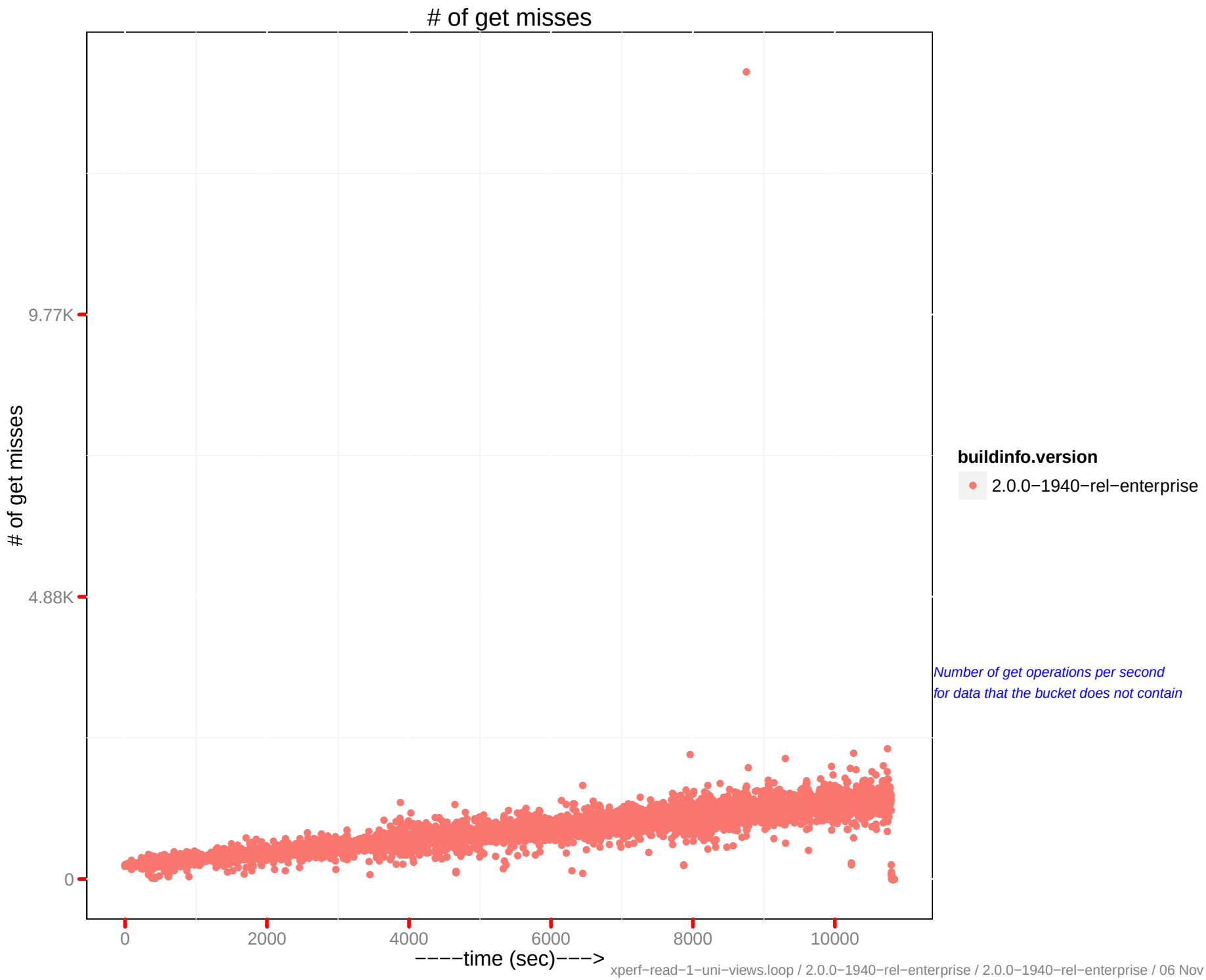

Total disk size
65.19G
55.88G
46.57G
37.25G
27.94G
18.63G
Bytes
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
The total size on disk of all data and view files. (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

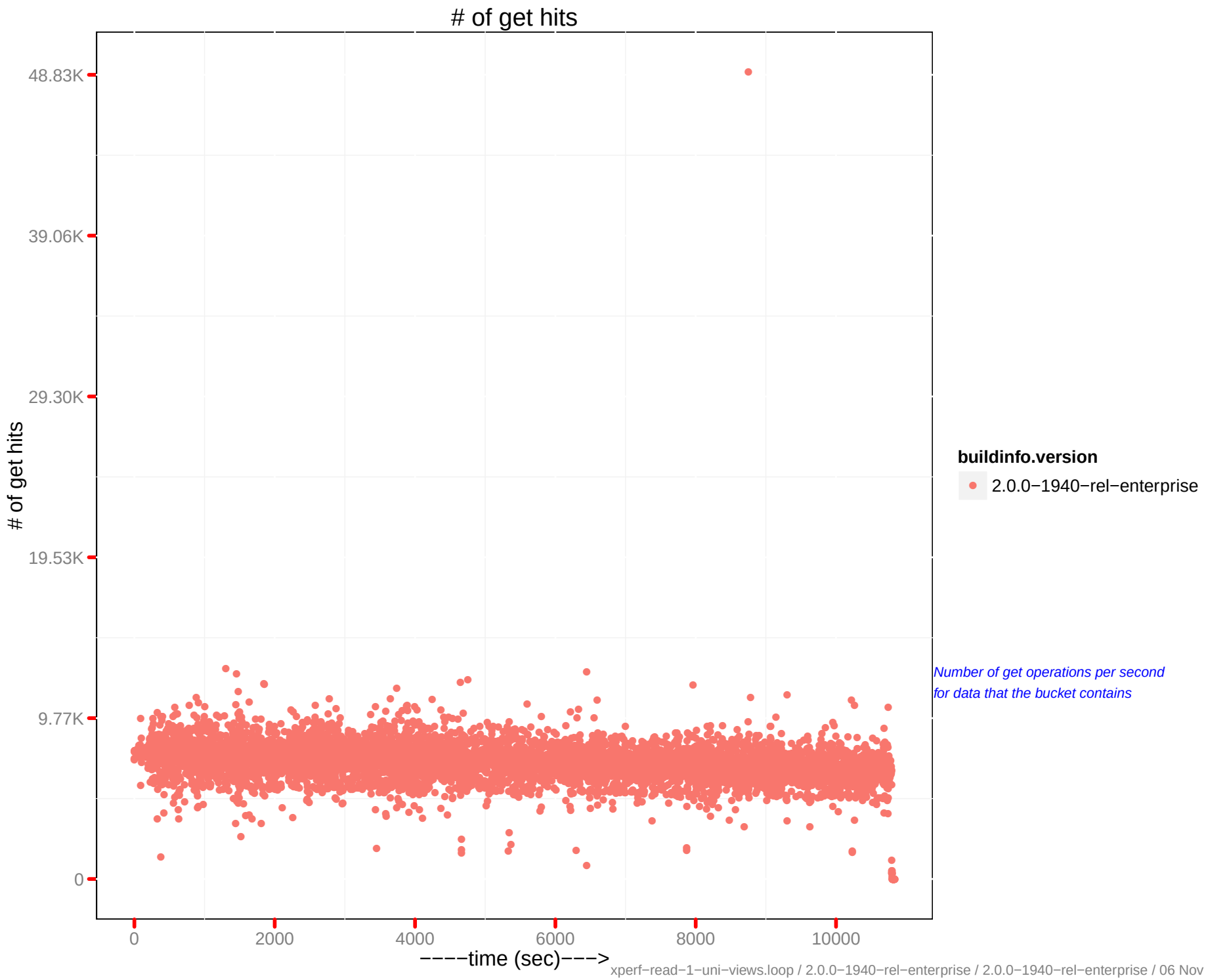

Docs fragmentation
25.00
20.00
15.00
10.00
5.00
%
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
How much fragmented data there is to be compacted compared to real data for the data files in this bucket (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

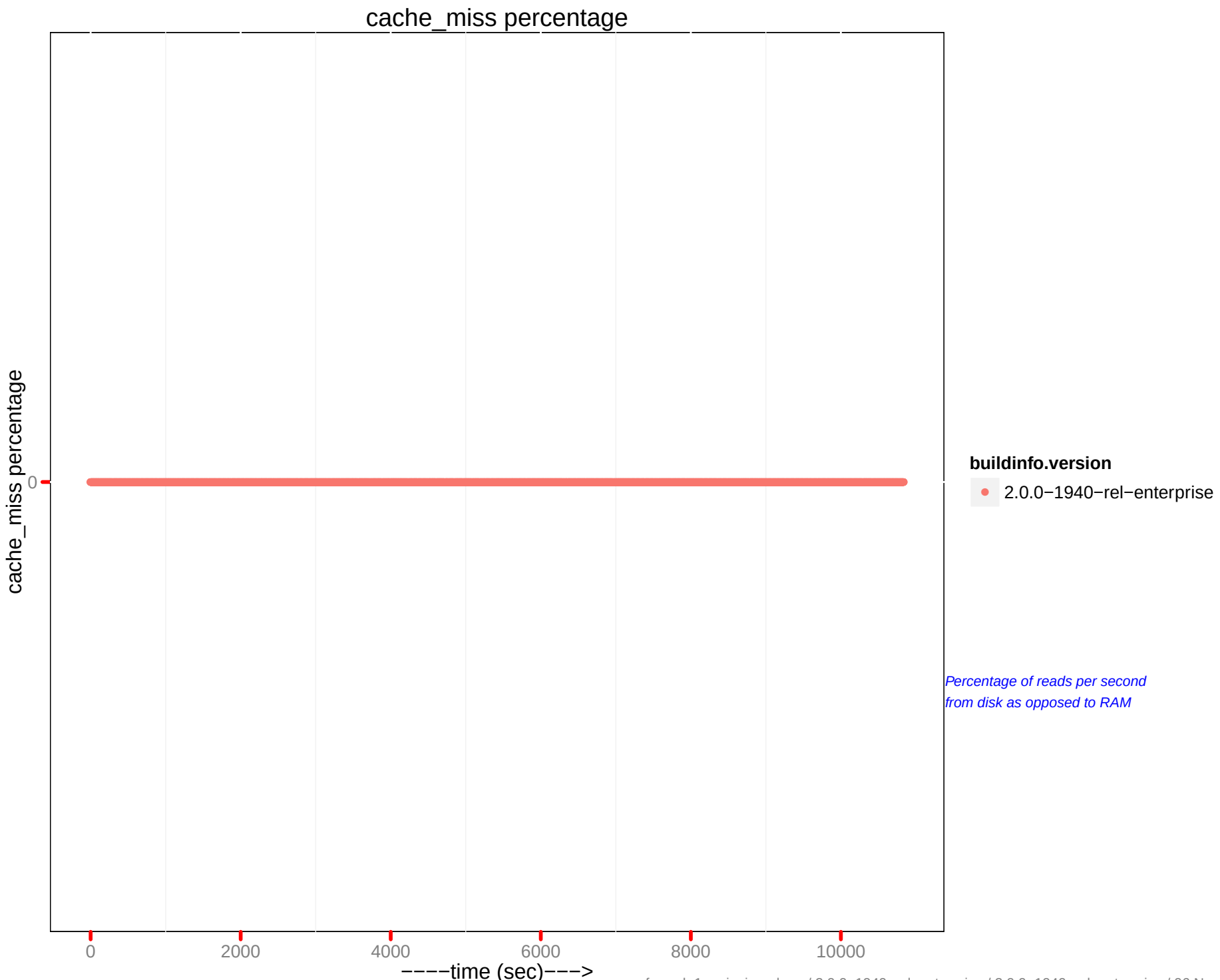

Views fragmentation
40.00
30.00
20.00
10.00
0
%
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
How much fragmented data there is to be compacted compared to real data for the view index files in this bucket (2.0 only)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

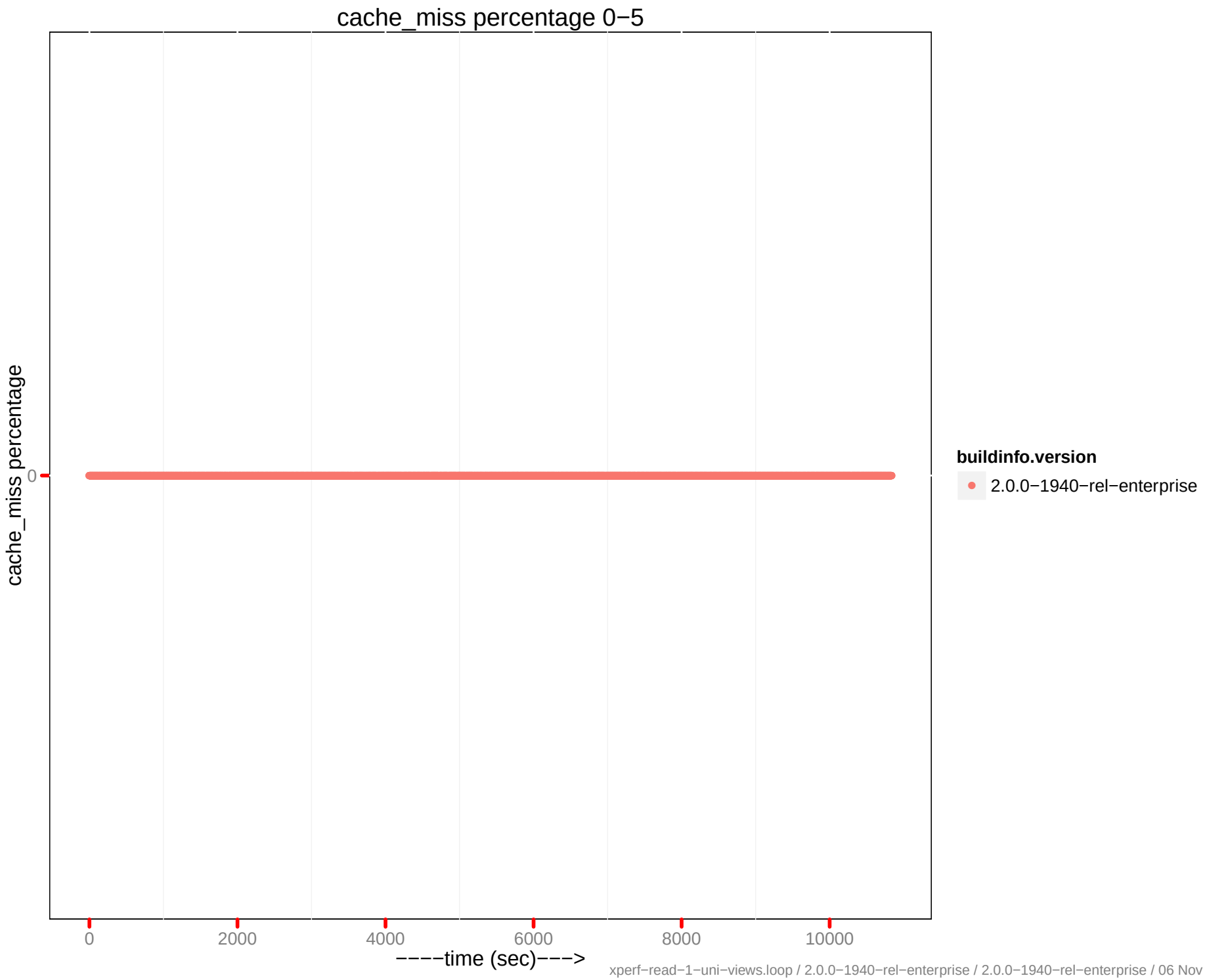

cmd_get ops/sec
58.59K
48.83K
39.06K
29.30K
19.53K
9.77K
0
ops/sec
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Cumulative number of retrieval reqs
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

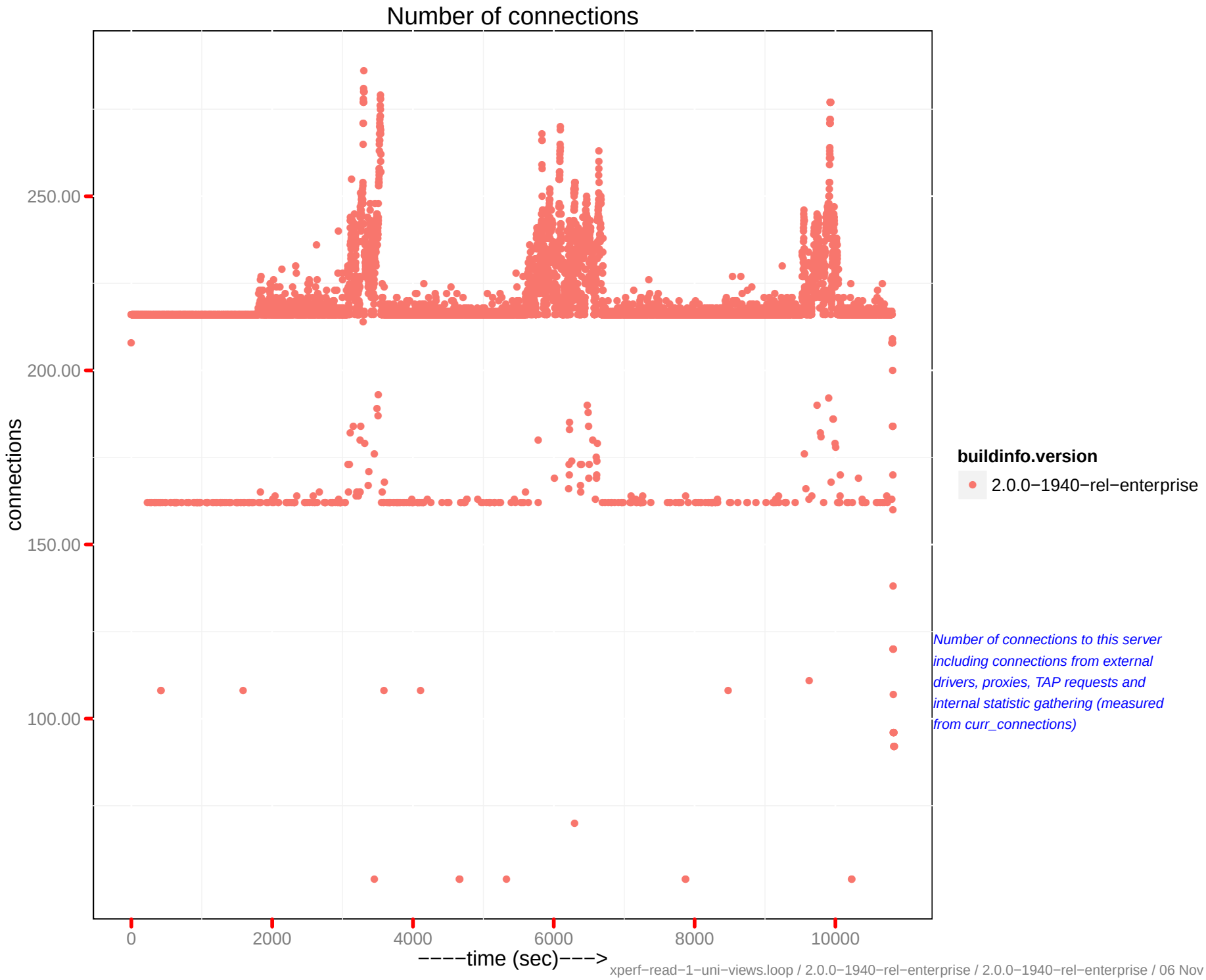

cmd_set ops/sec
ops/sec
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Cumulative number of set reqs
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

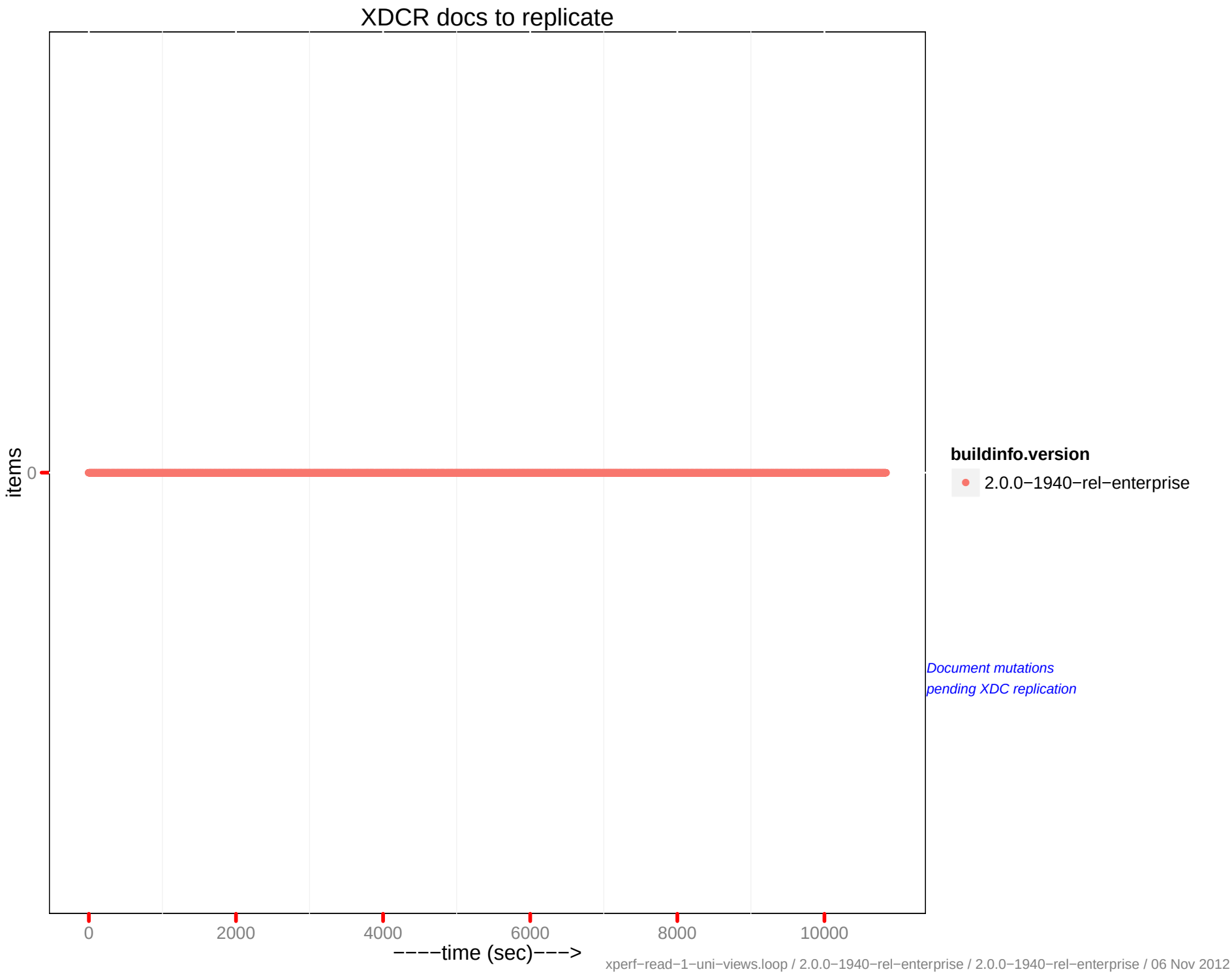

# of get misses
9.77K
4.88K
0
# of get misses
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of get operations per second
for data that the bucket does not contain
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

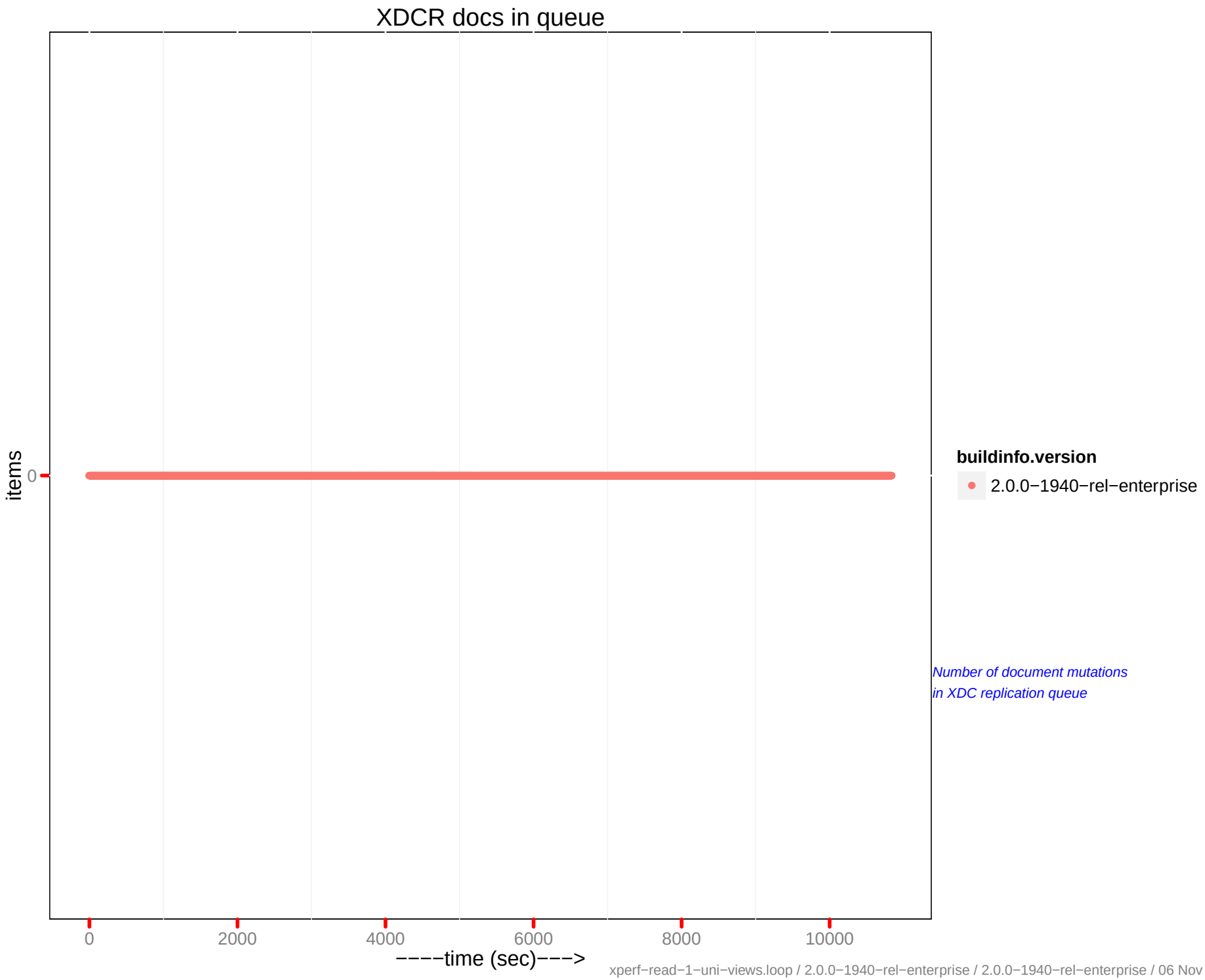

# of get hits
48.83K
39.06K
29.30K
19.53K
9.77K
0
# of get hits
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of get operations per second
for data that the bucket contains
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

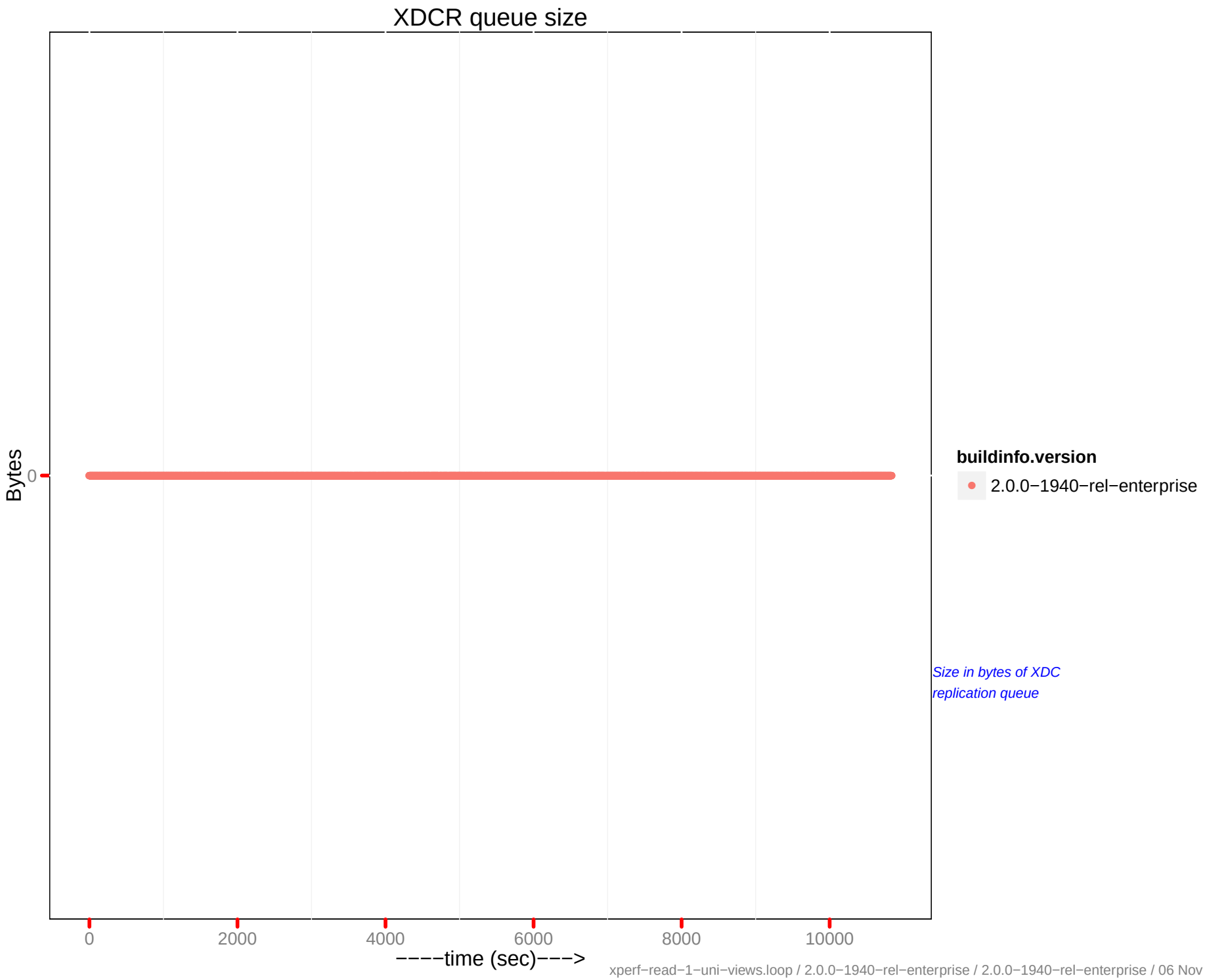

cache_miss percentage
cache_miss percentage
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Percentage of reads per second
from disk as opposed to RAM
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

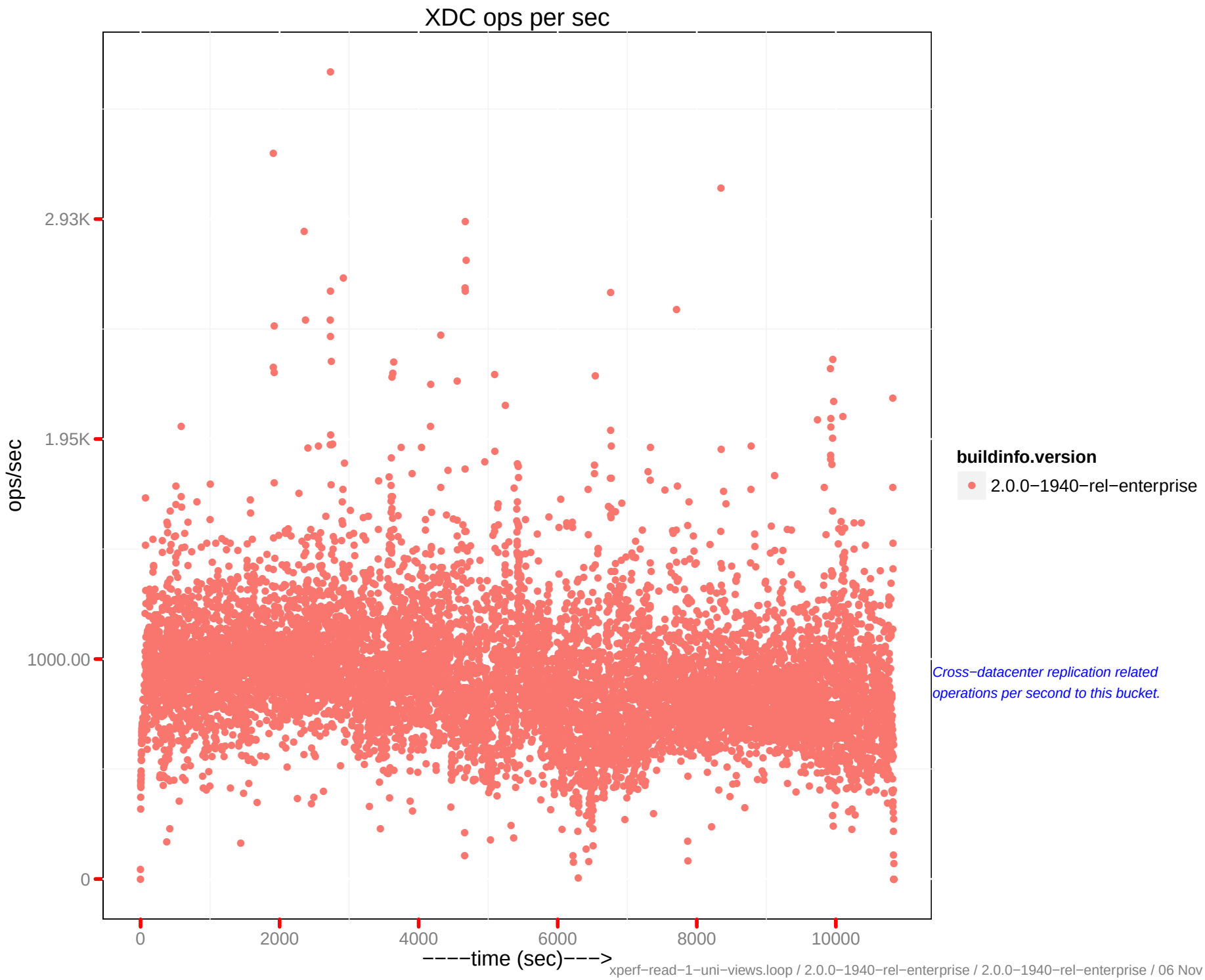

cache_miss percentage 0−5
cache_miss percentage
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

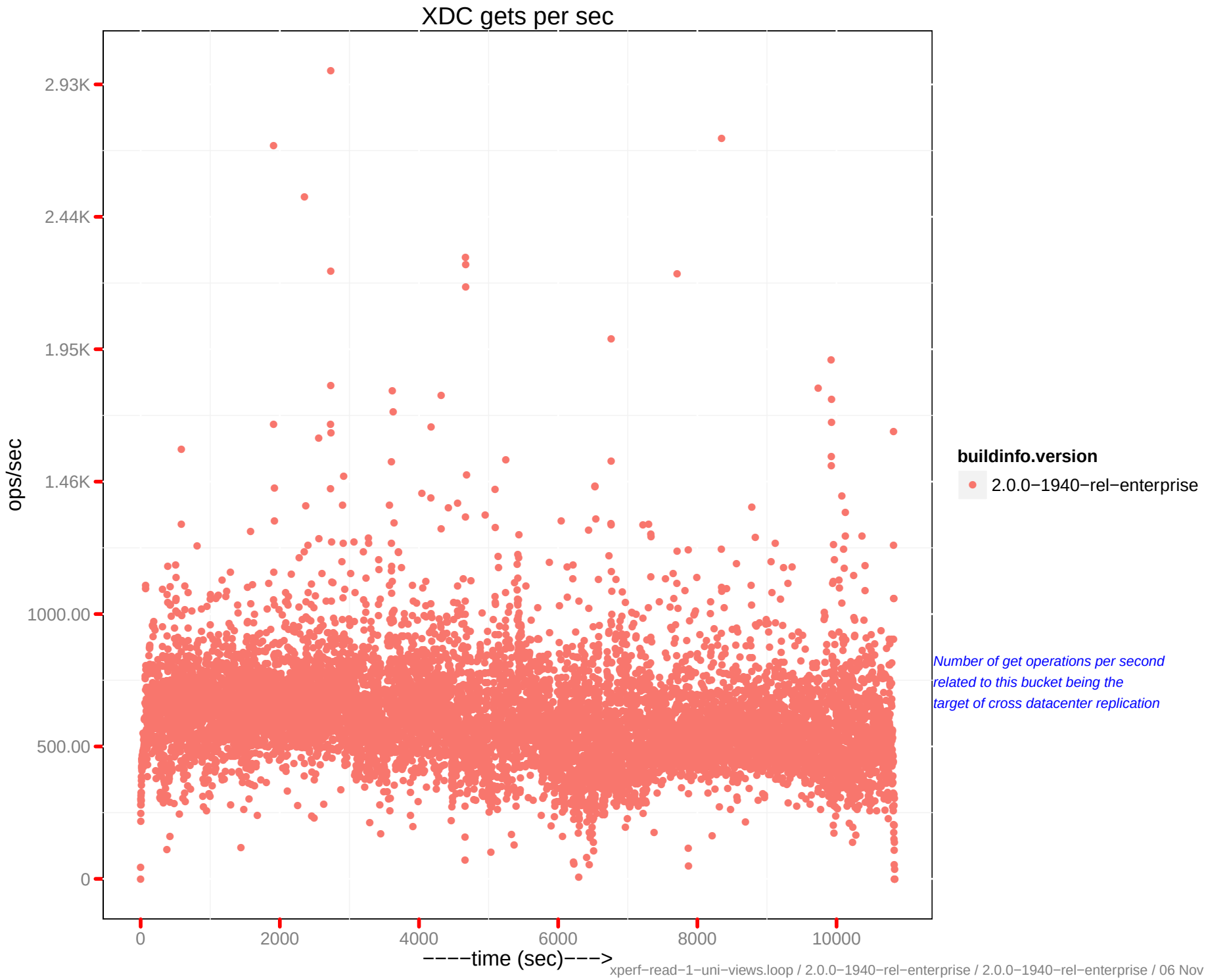

Number of connections
connections
250.00
200.00
150.00
100.00
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of connections to this server including connections from external drivers, proxies, TAP requests and internal statistic gathering (measured from curr_connections)
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

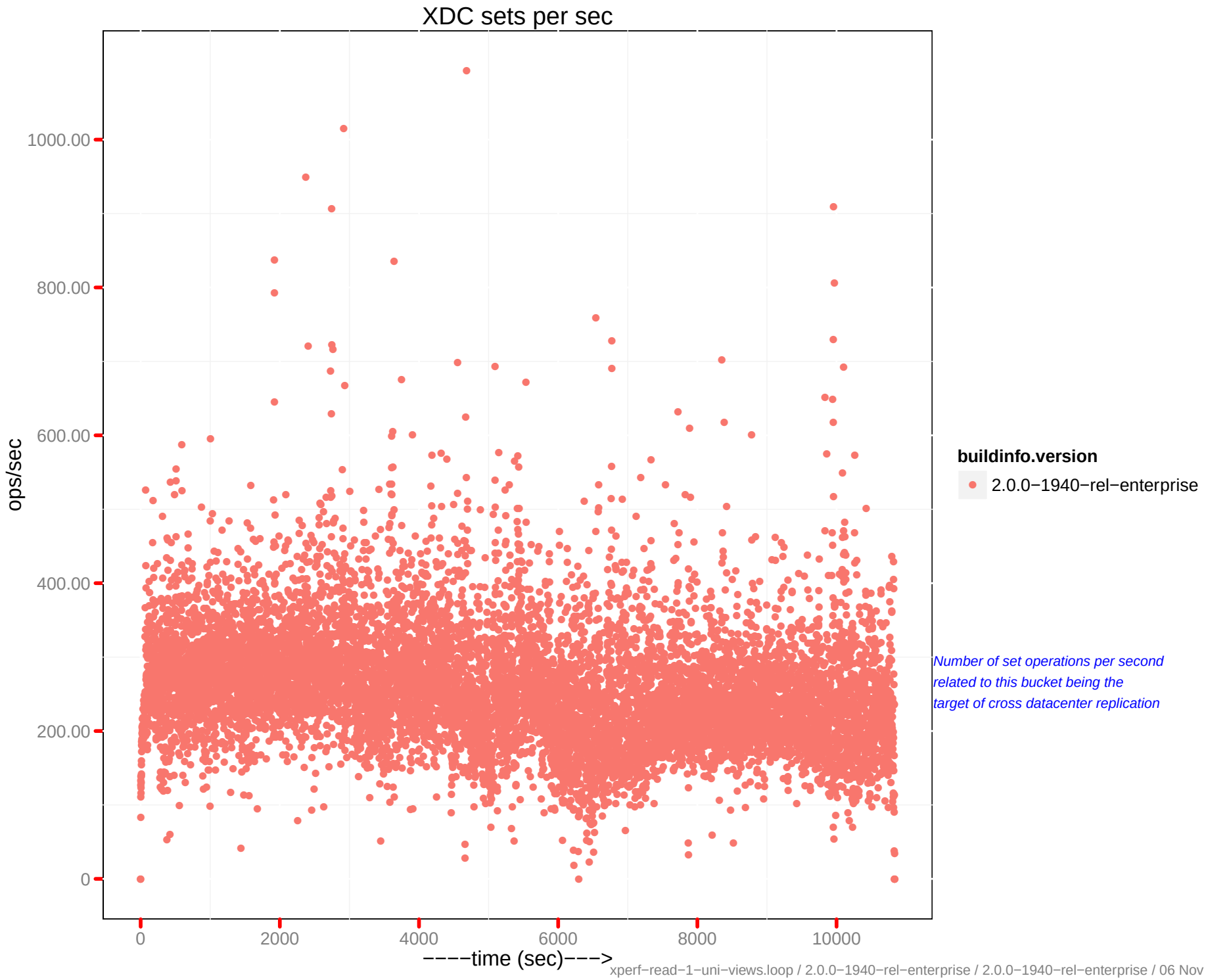

XDCR docs to replicate
items
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Document mutations
pending XDC replication
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

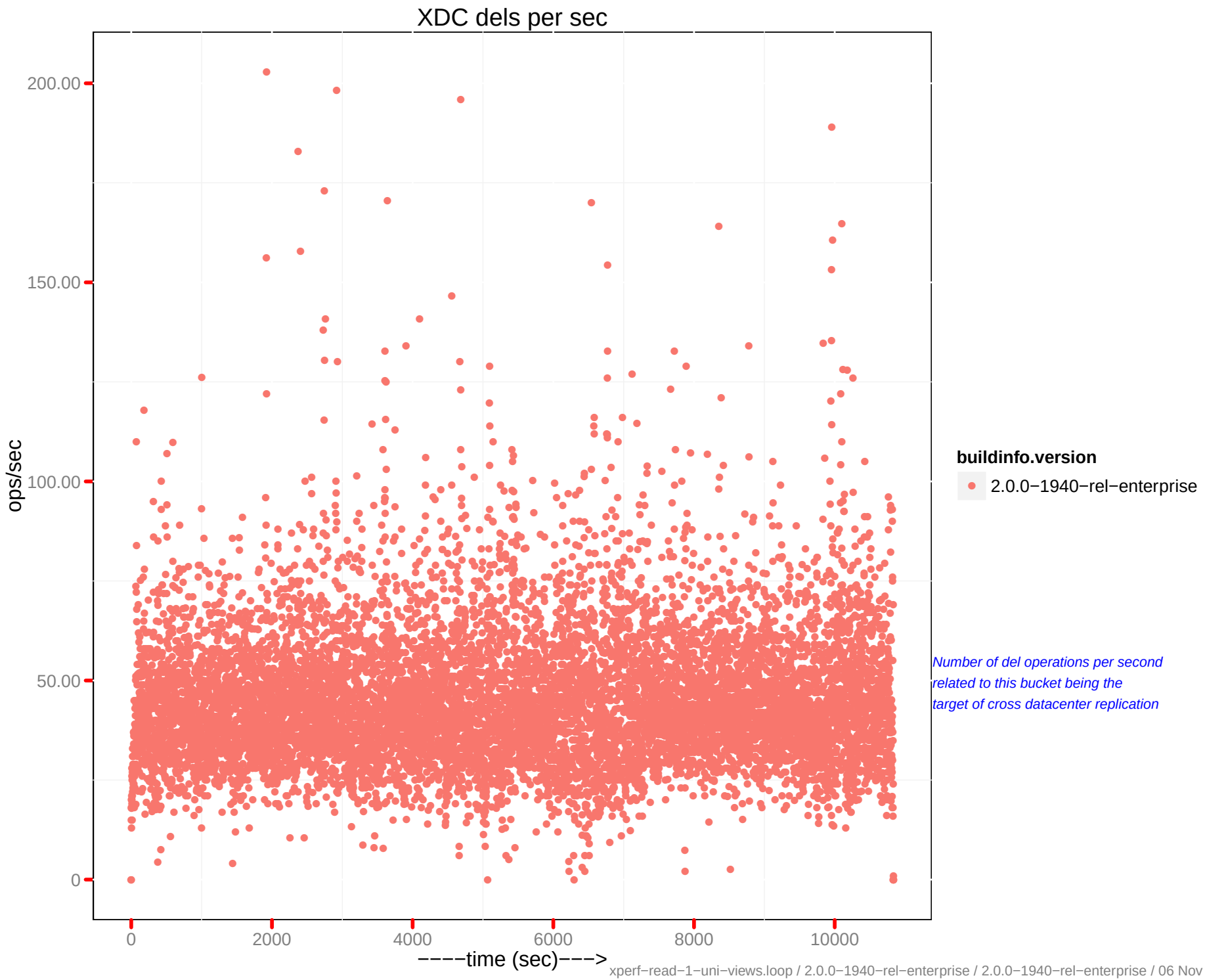

XDCR docs in queue
items
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of document mutations
in XDC replication queue
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

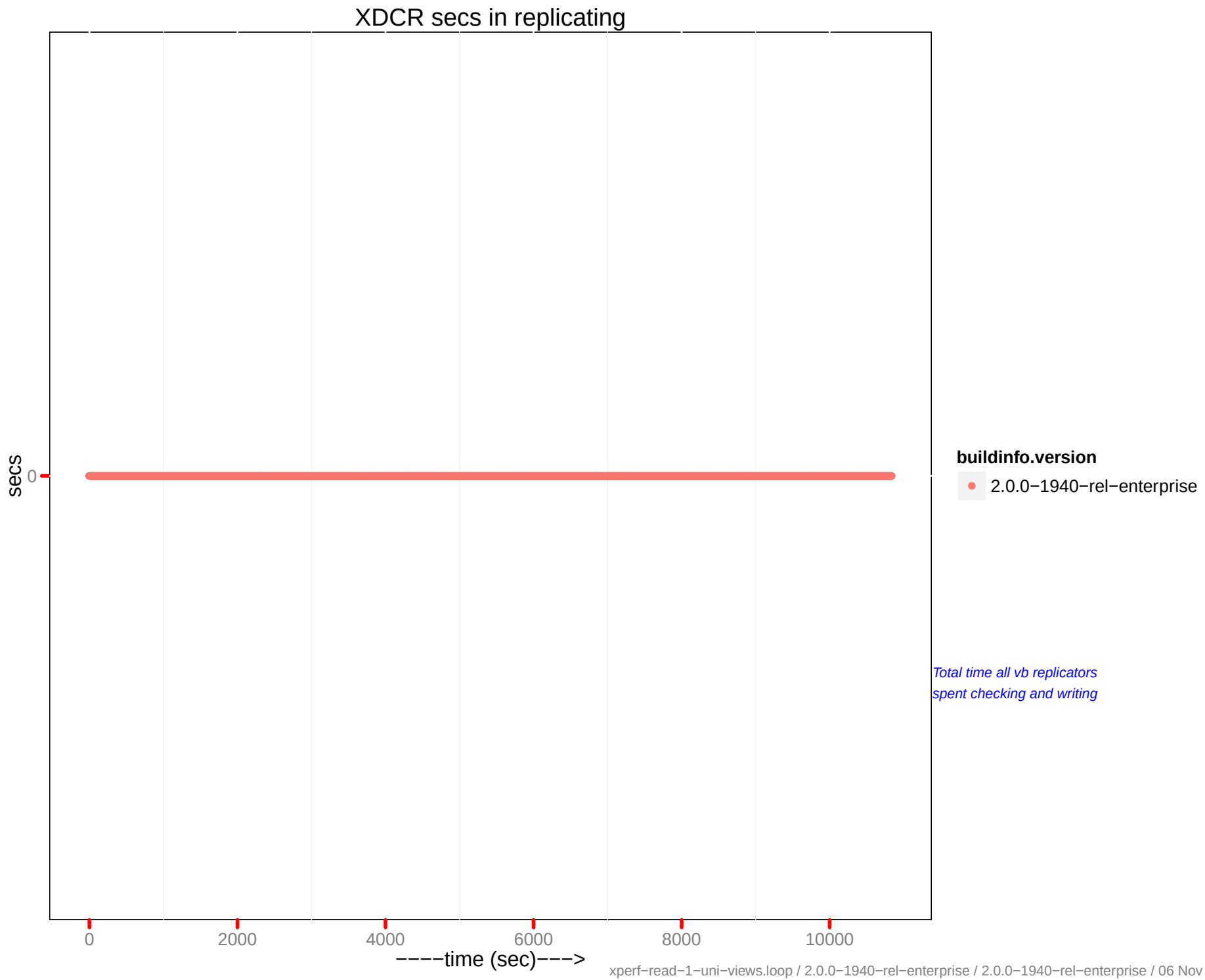

XDCR queue size
Bytes
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Size in bytes of XDC replication queue
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

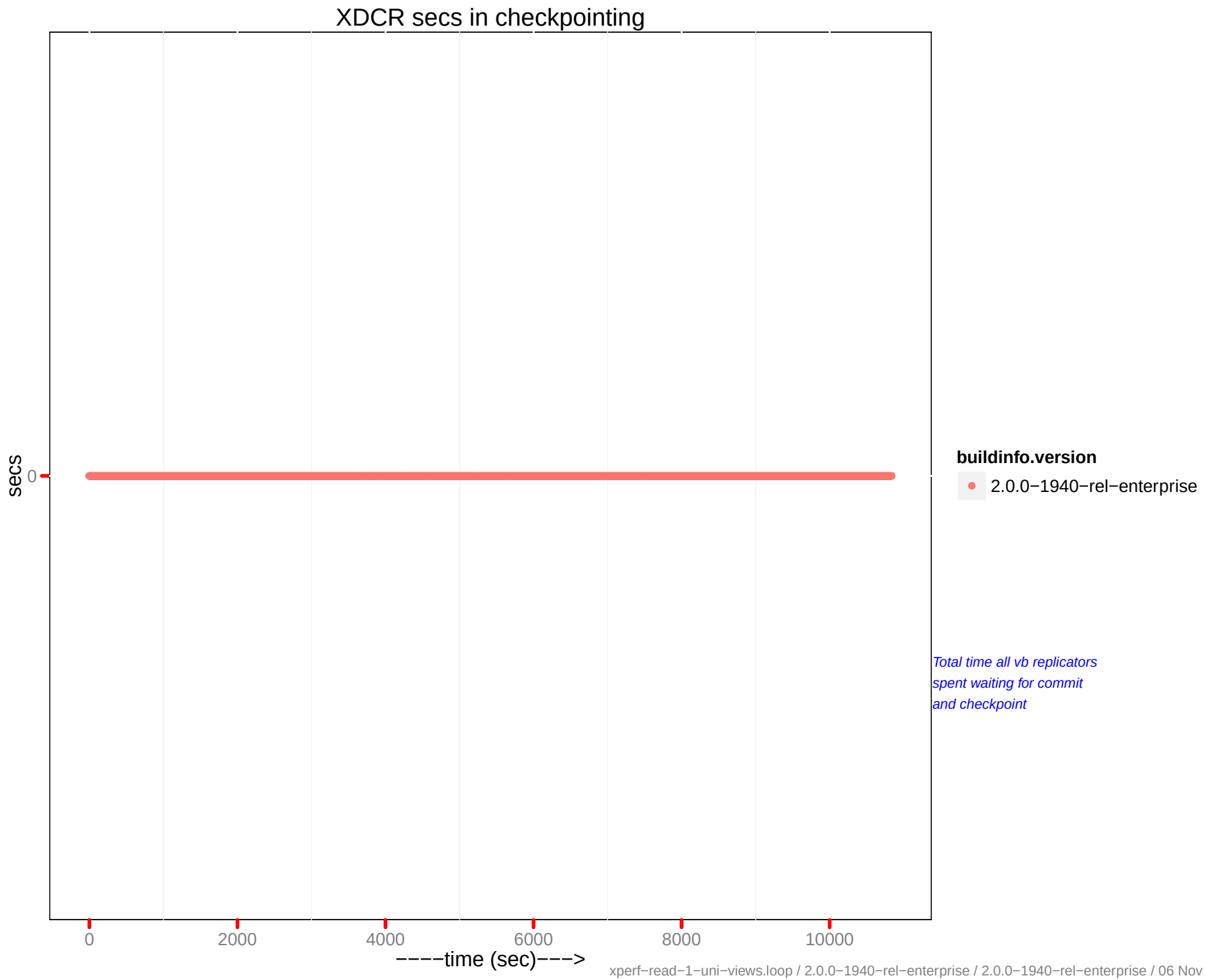

XDC ops per sec
ops/sec
2.93K
1.95K
1000.00
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Cross−datacenter replication related operations per second to this bucket.
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

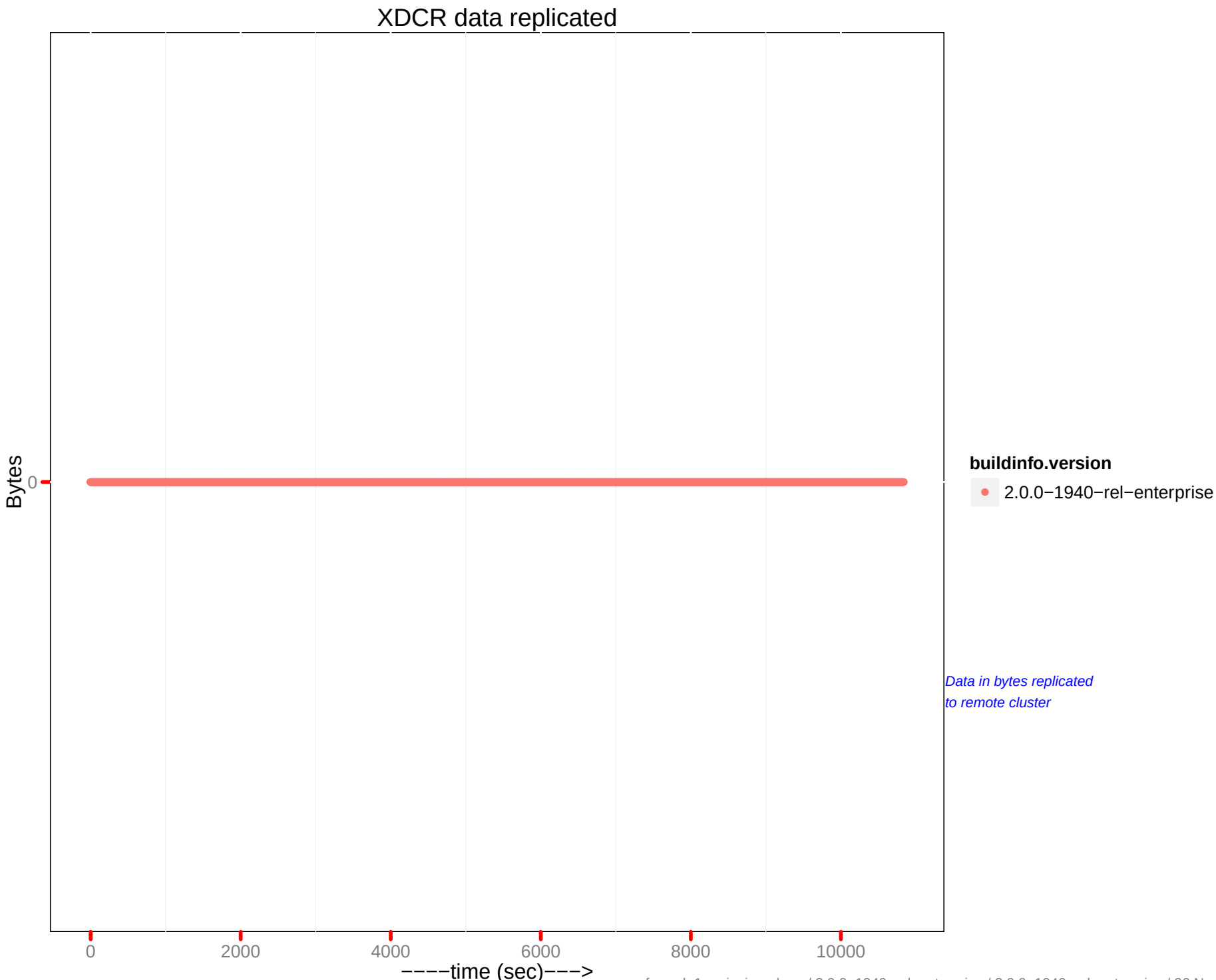

XDC gets per sec
2.93K
2.44K
1.95K
1.46K
1000.00
500.00
0
ops/sec
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of get operations per second related to this bucket being the target of cross datacenter replication
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

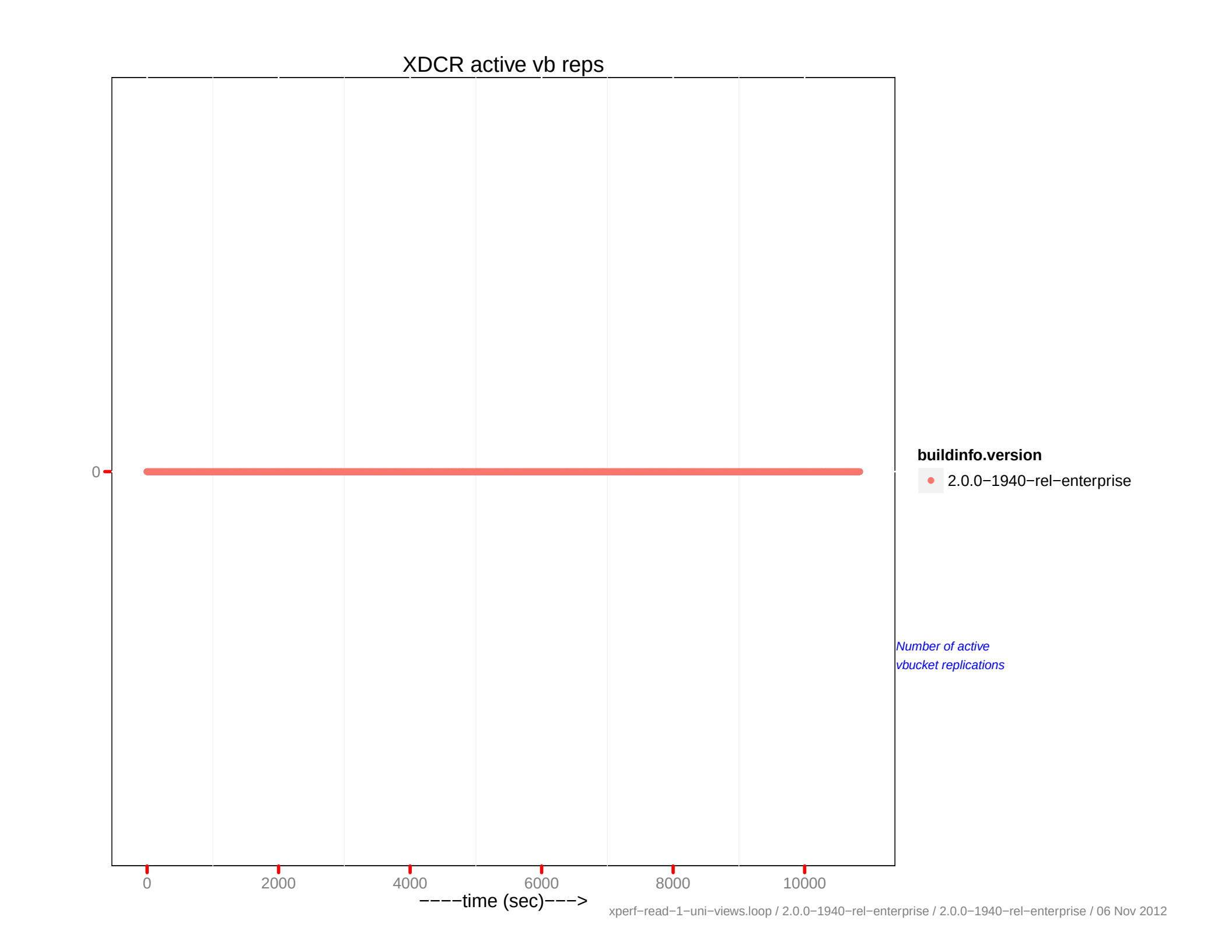

XDC sets per sec
ops/sec
1000.00
800.00
600.00
400.00
200.00
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of set operations per second related to this bucket being the target of cross datacenter replication
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

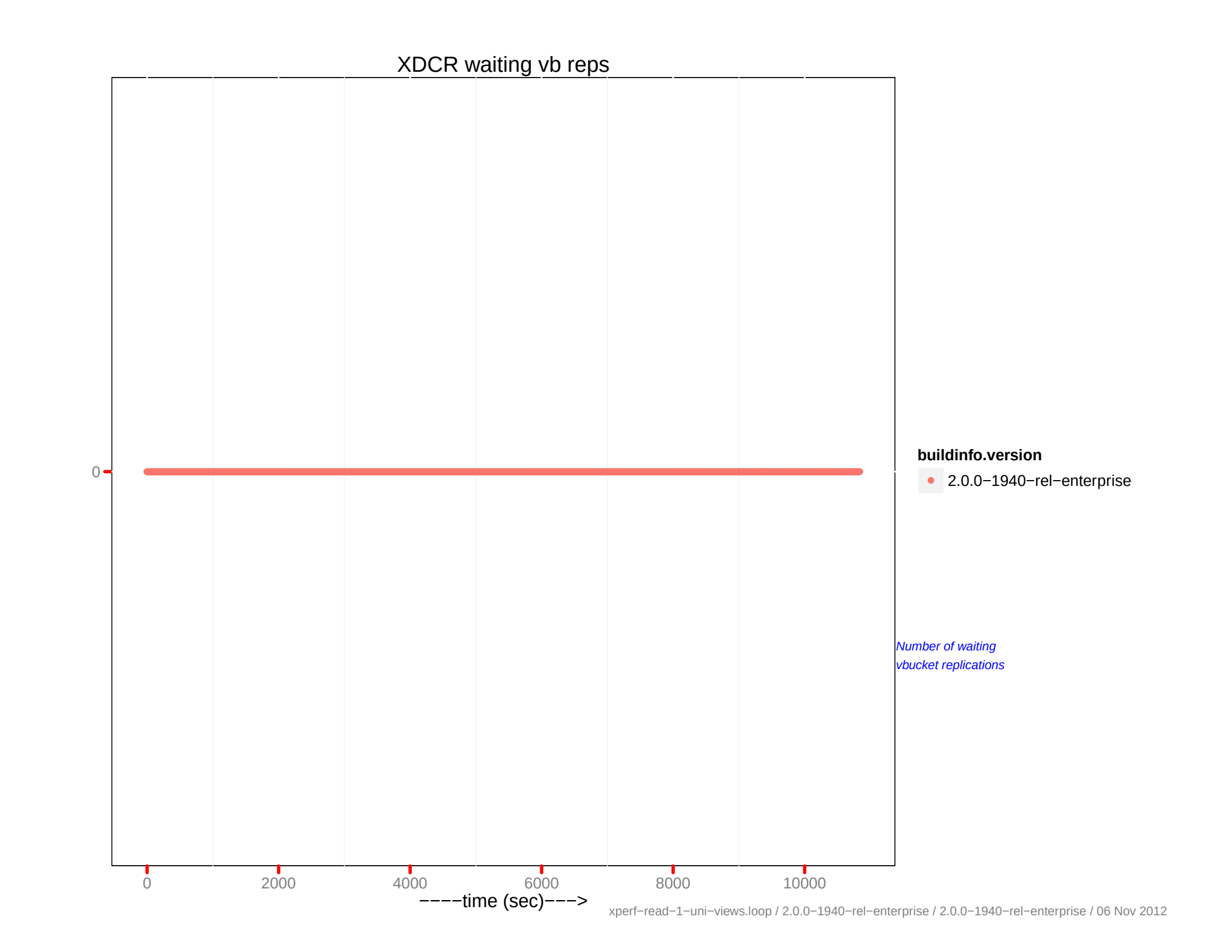

XDC dels per sec
200.00
150.00
100.00
50.00
0
ops/sec
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of del operations per second
related to this bucket being the
target of cross datacenter replication
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

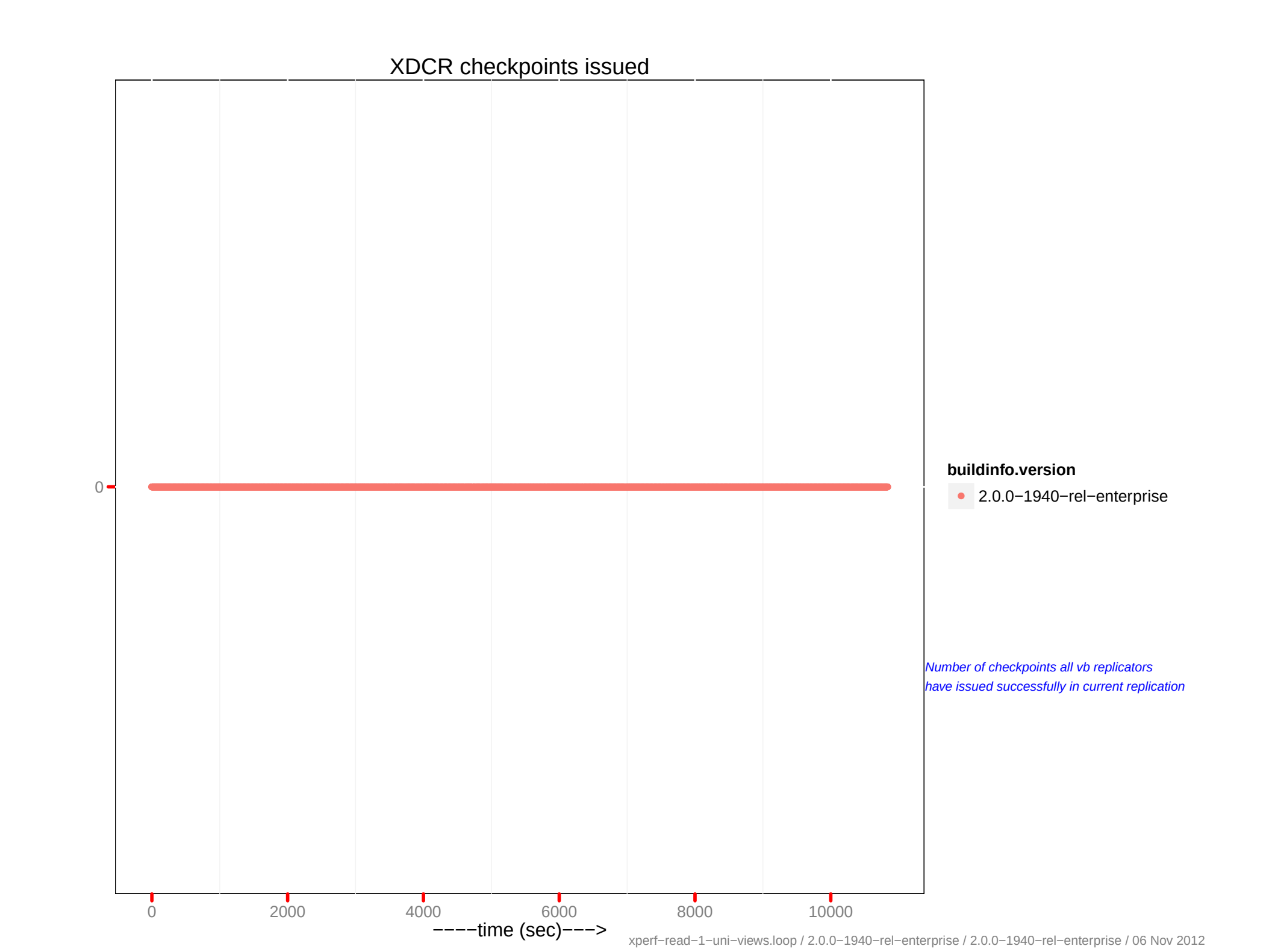

XDCR secs in replicating
secs
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total time all vb replicators
spent checking and writing
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

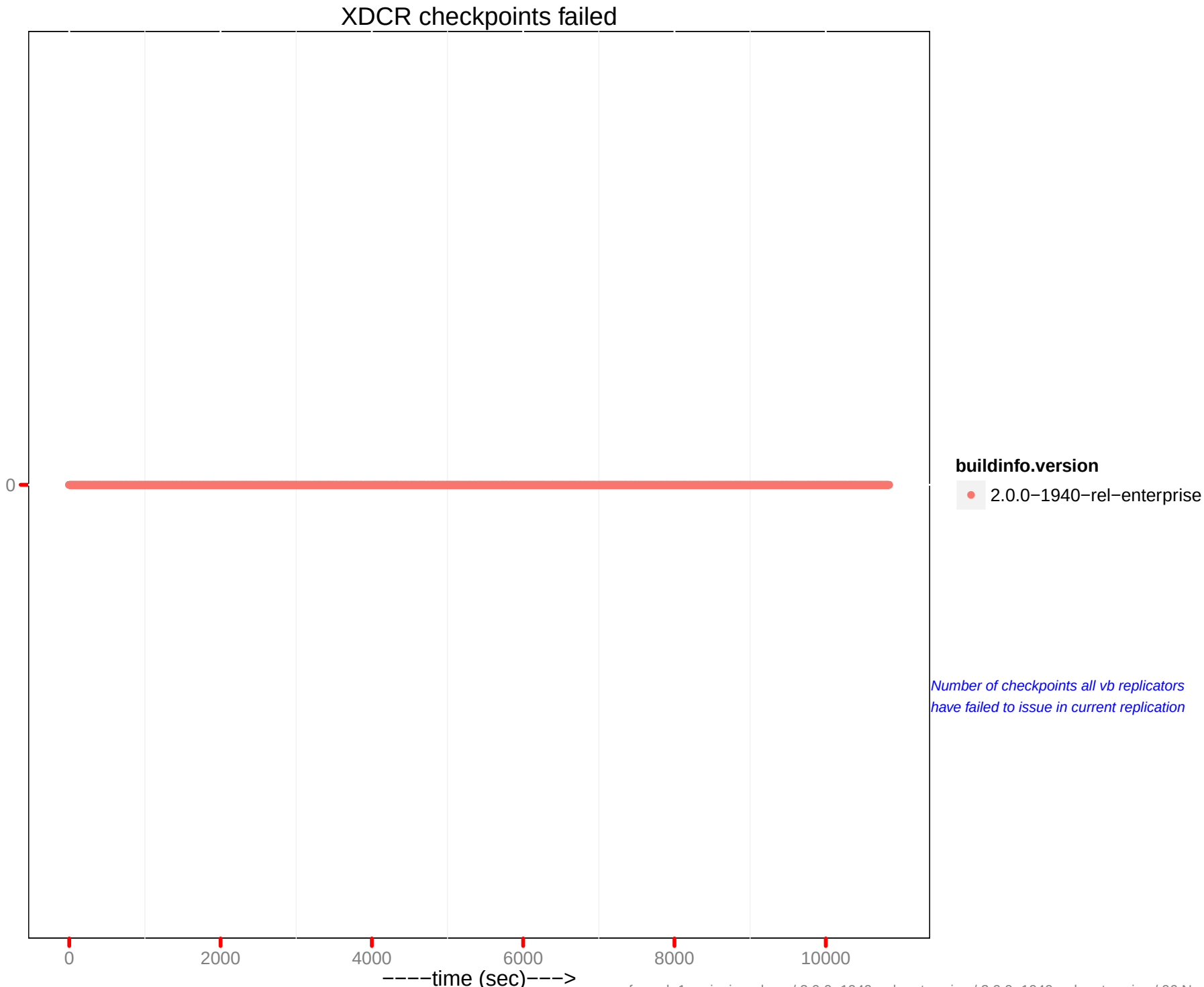

XDCR secs in checkpointing
secs
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Total time all vb replicators
spent waiting for commit
and checkpoint
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

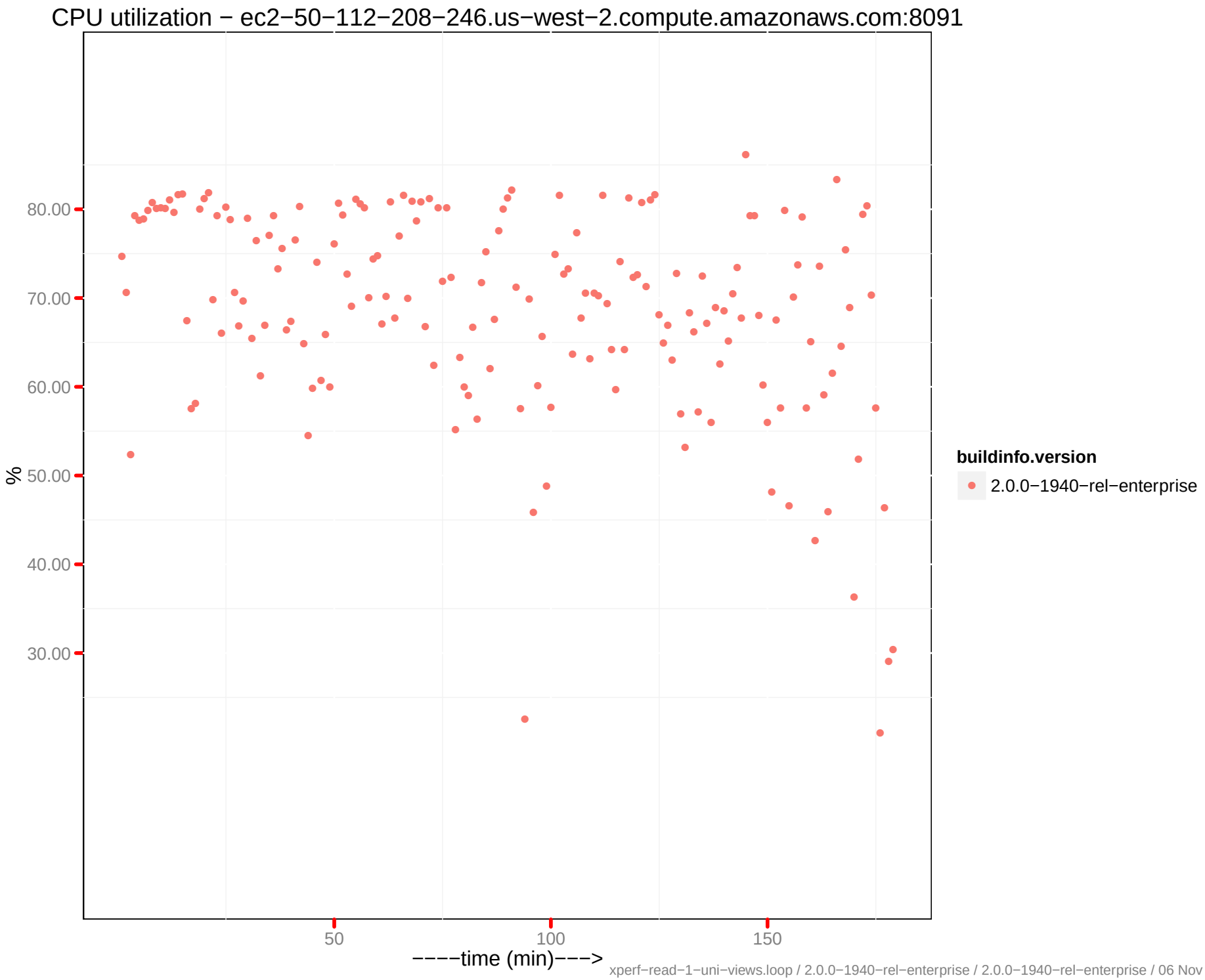

XDCR data replicated
Bytes
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Data in bytes replicated
to remote cluster
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

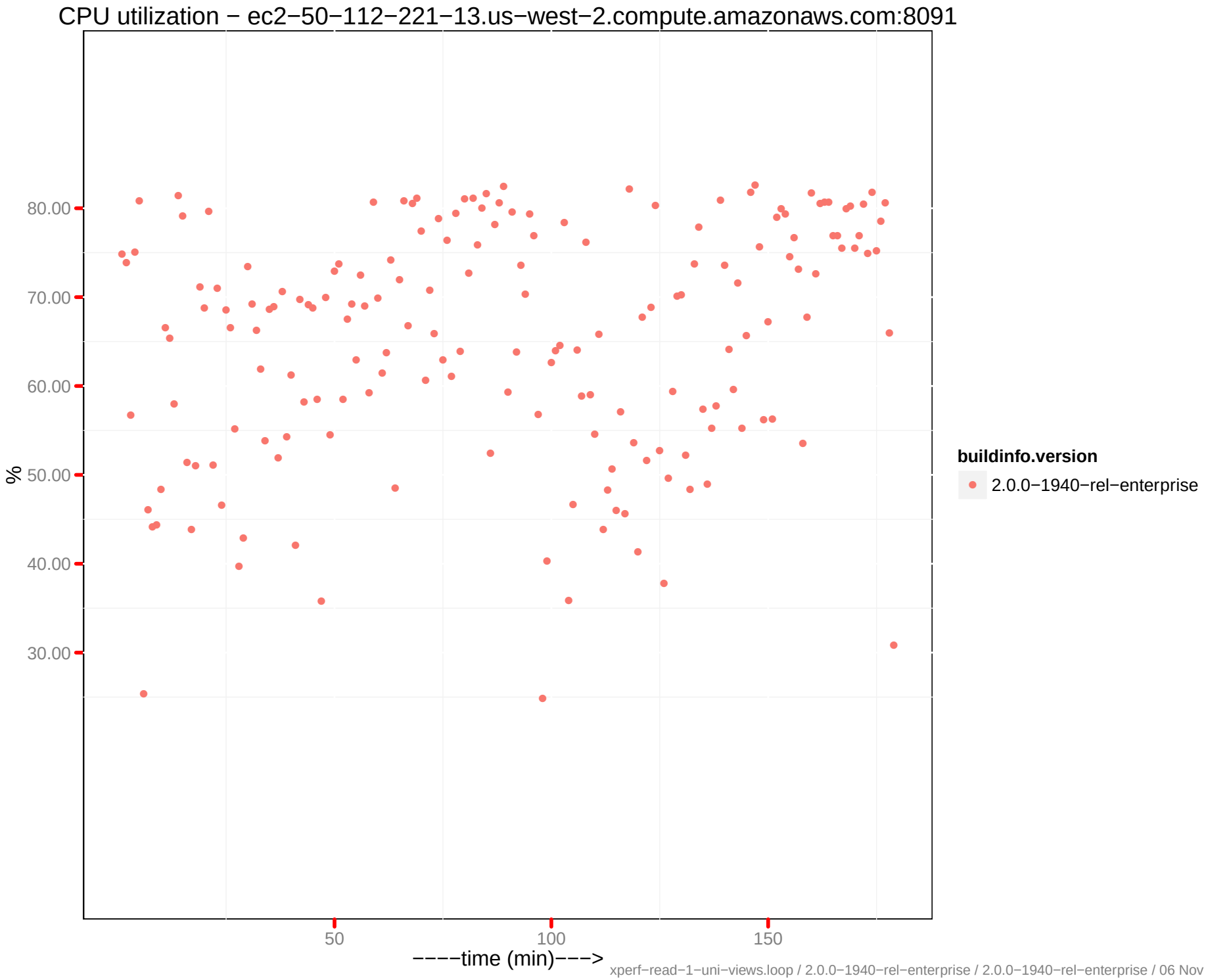

XDCR active vb reps
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Number of active
vbucket replications
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

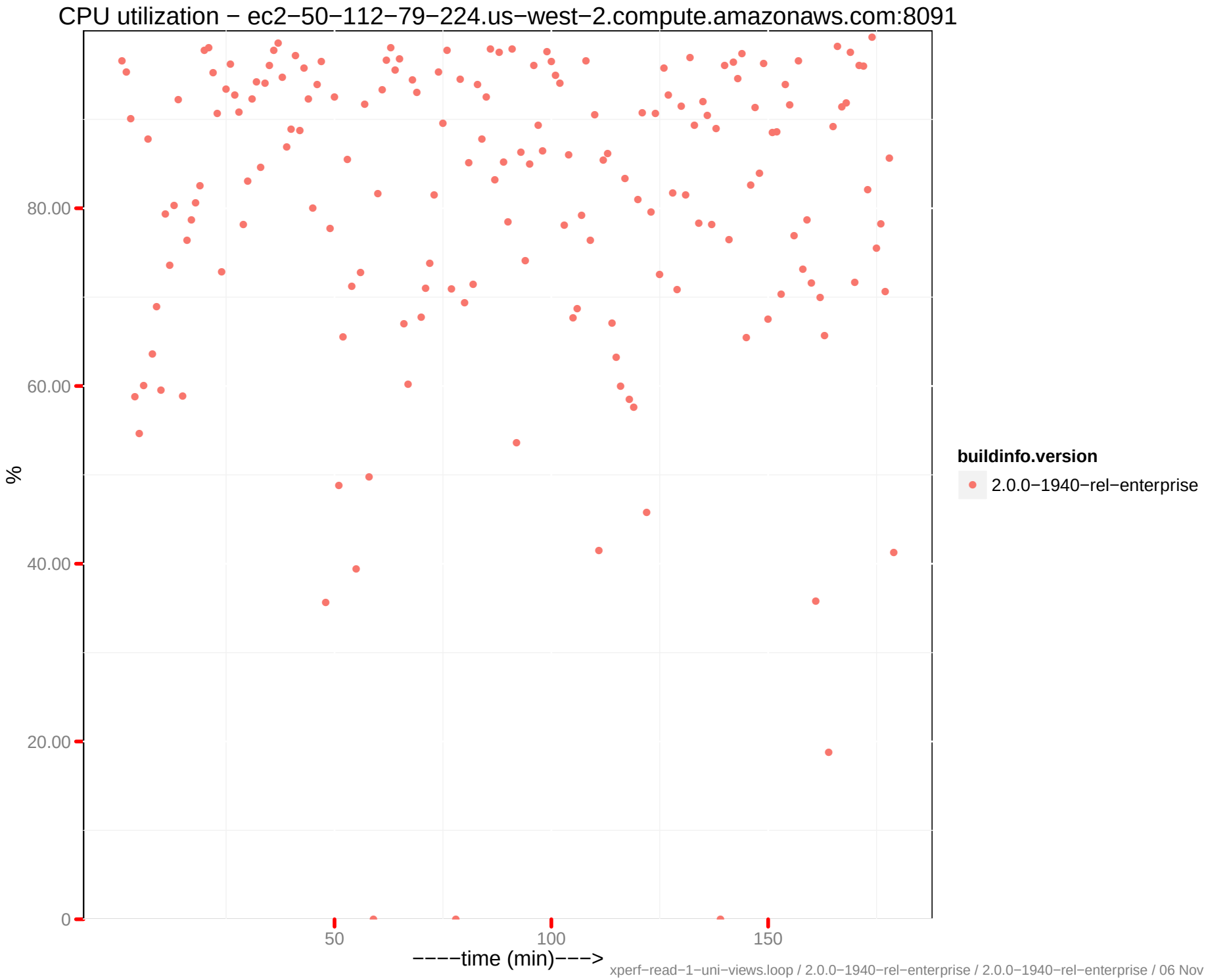

XDCR waiting vb reps
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of waiting
vbucket replications
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

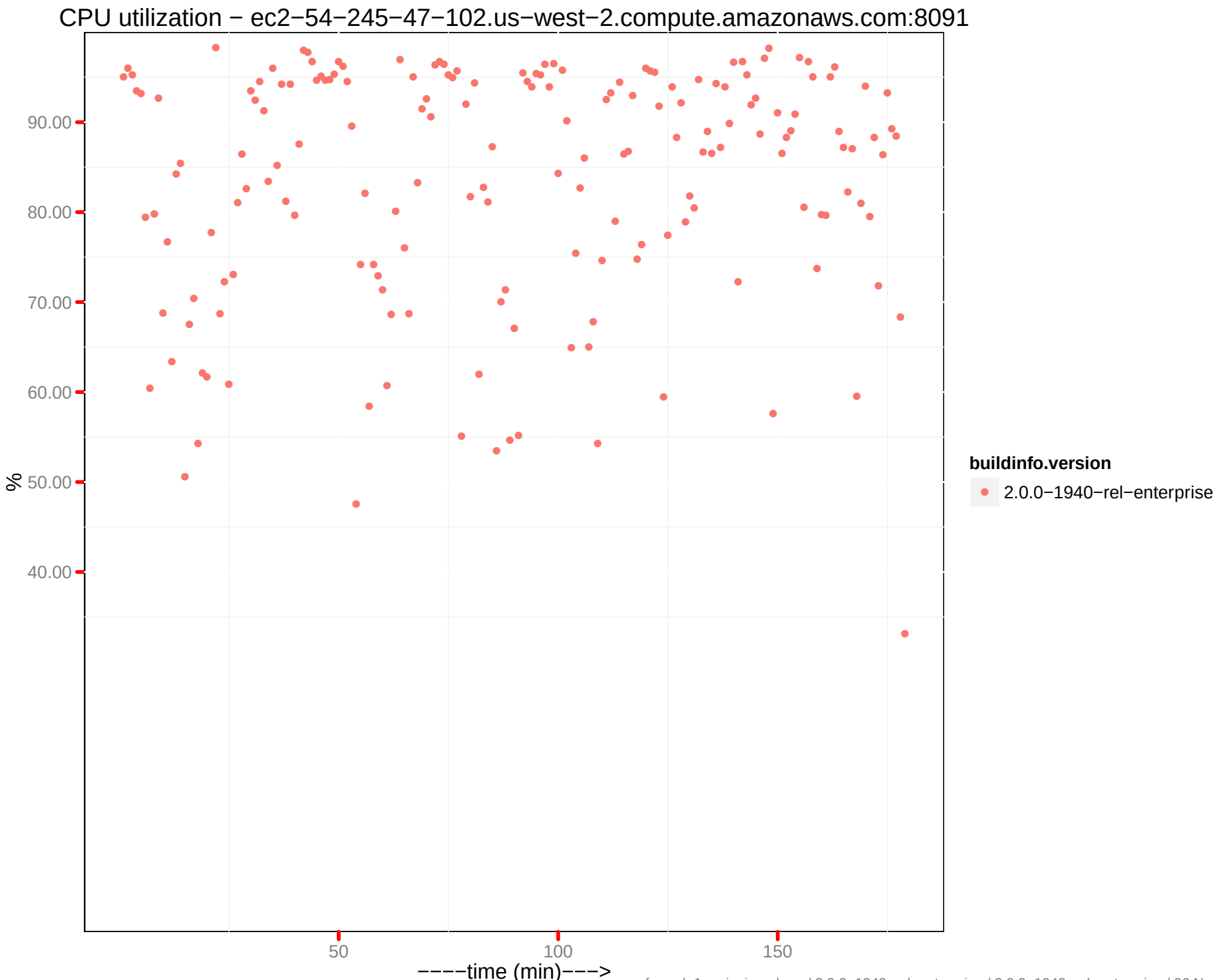

XDCR checkpoints issued
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of checkpoints all vb replicators
have issued successfully in current replication
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

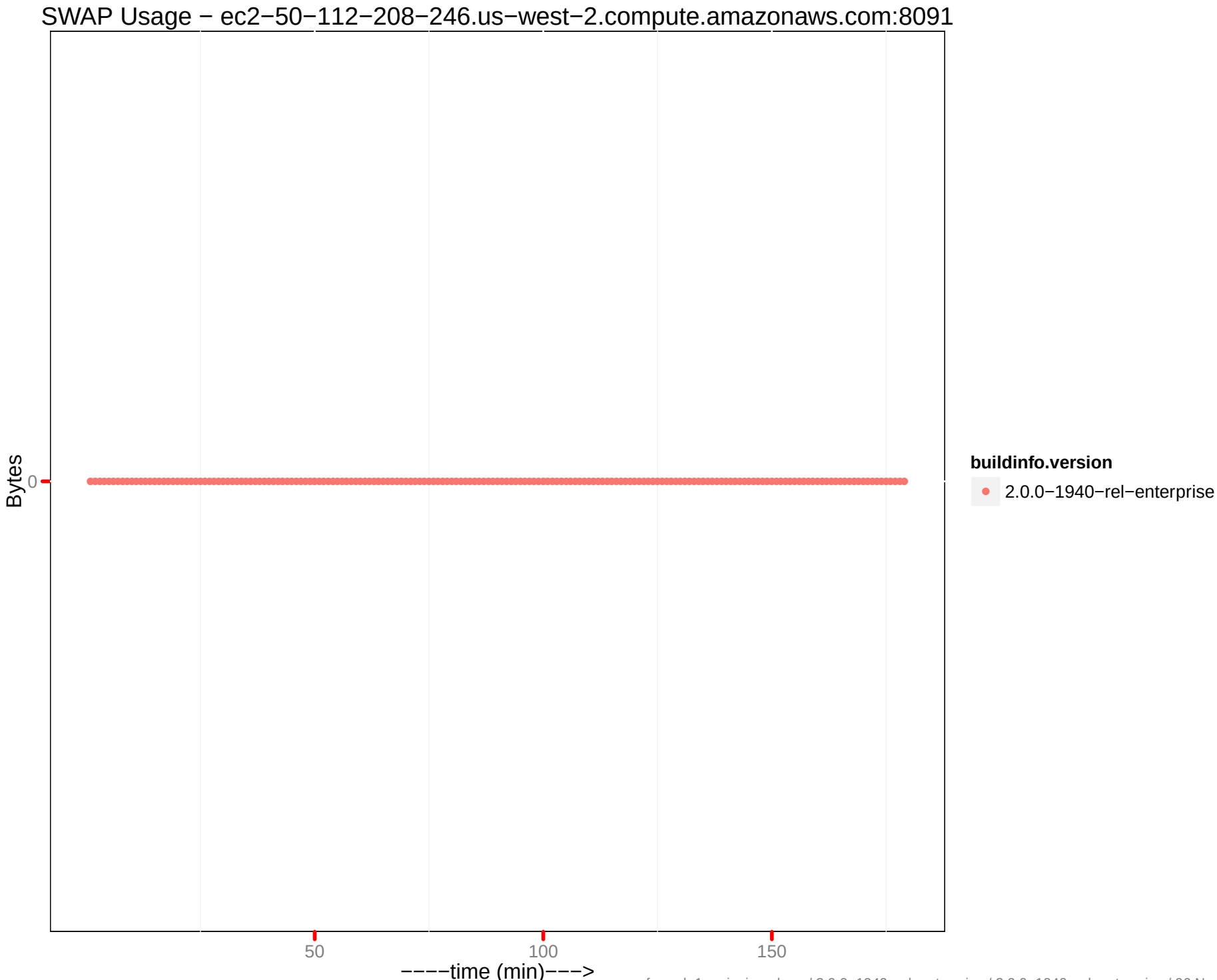

XDCR checkpoints failed
0
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
Number of checkpoints all vb replicators
have failed to issue in current replication
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

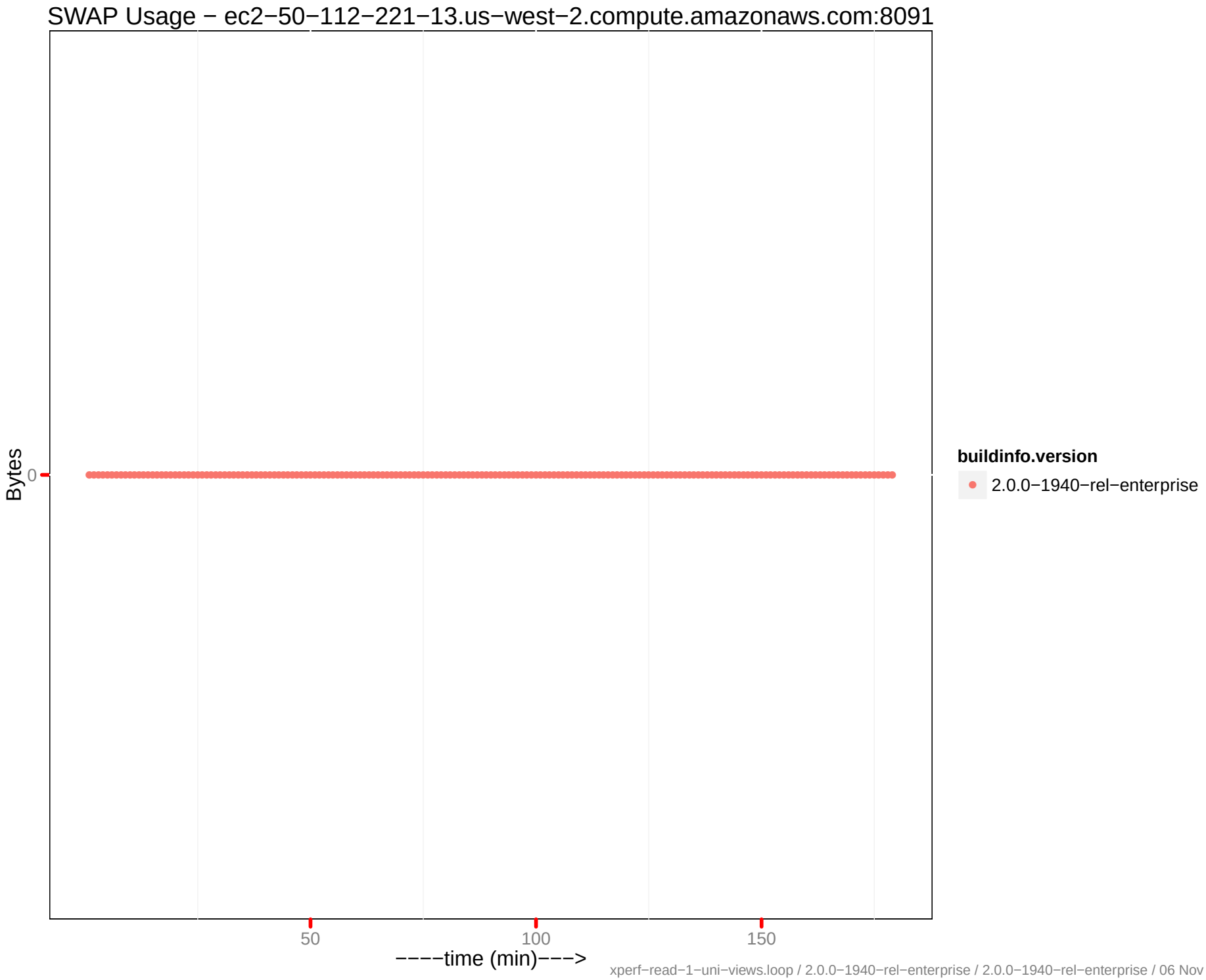

CPU utilization − ec2−50−112−208−246.us−west−2.compute.amazonaws.com:8091
80.00
70.00
60.00
50.00
40.00
30.00
%
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

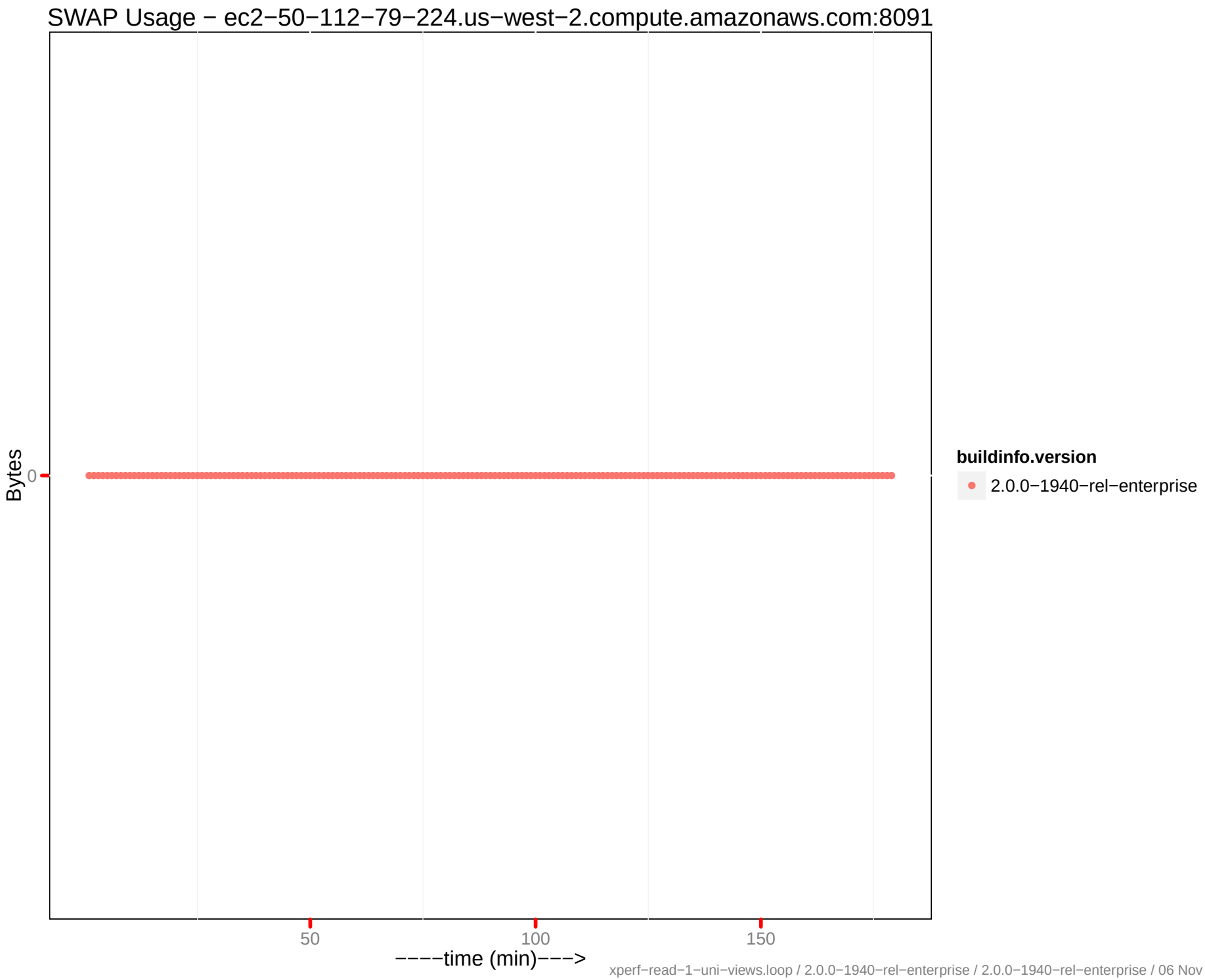

CPU utilization − ec2−50−112−221−13.us−west−2.compute.amazonaws.com:8091
80.00
70.00
60.00
50.00
40.00
30.00
%
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

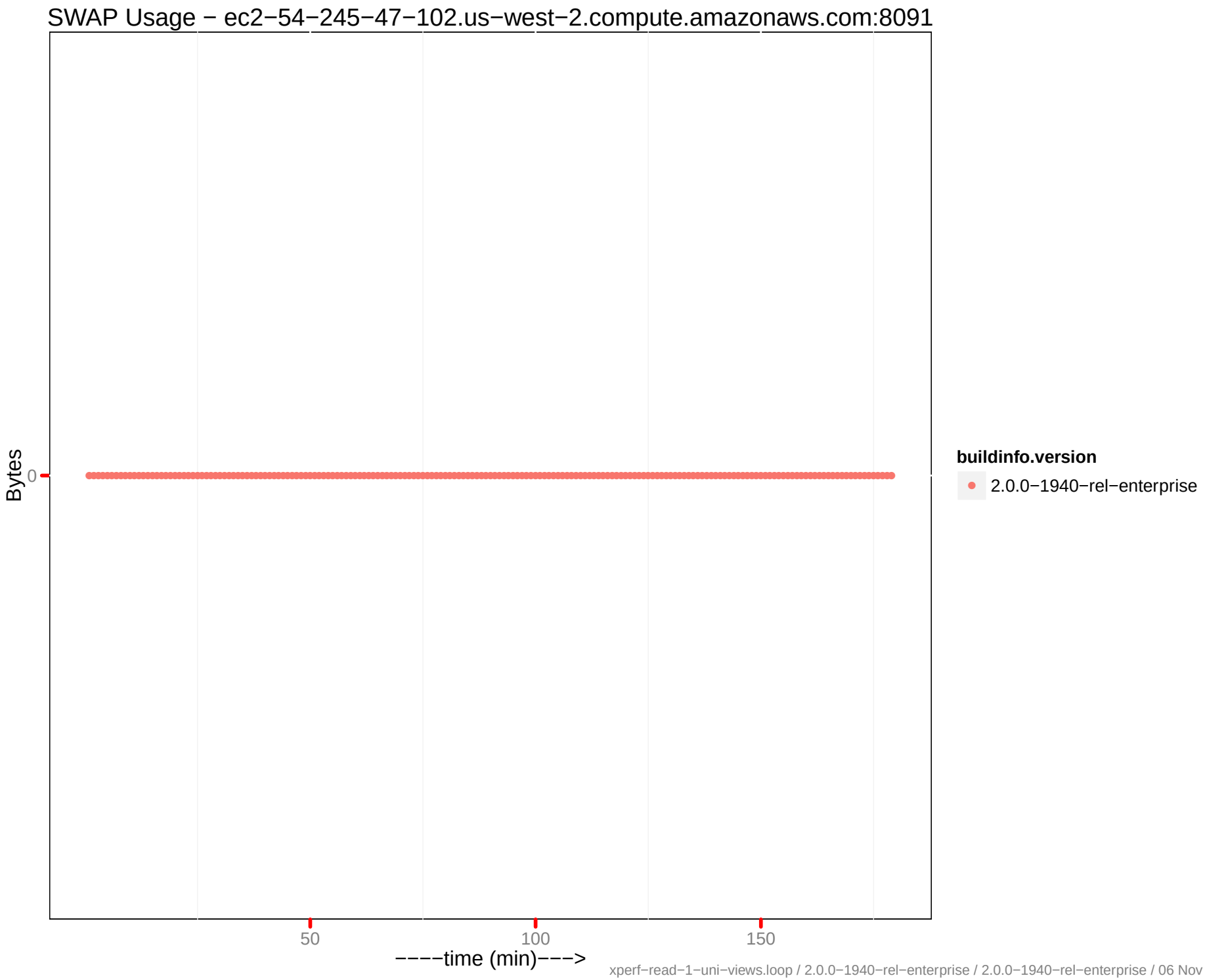

CPU utilization − ec2−50−112−79−224.us−west−2.compute.amazonaws.com:8091
80.00
60.00
40.00
20.00
0
%
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

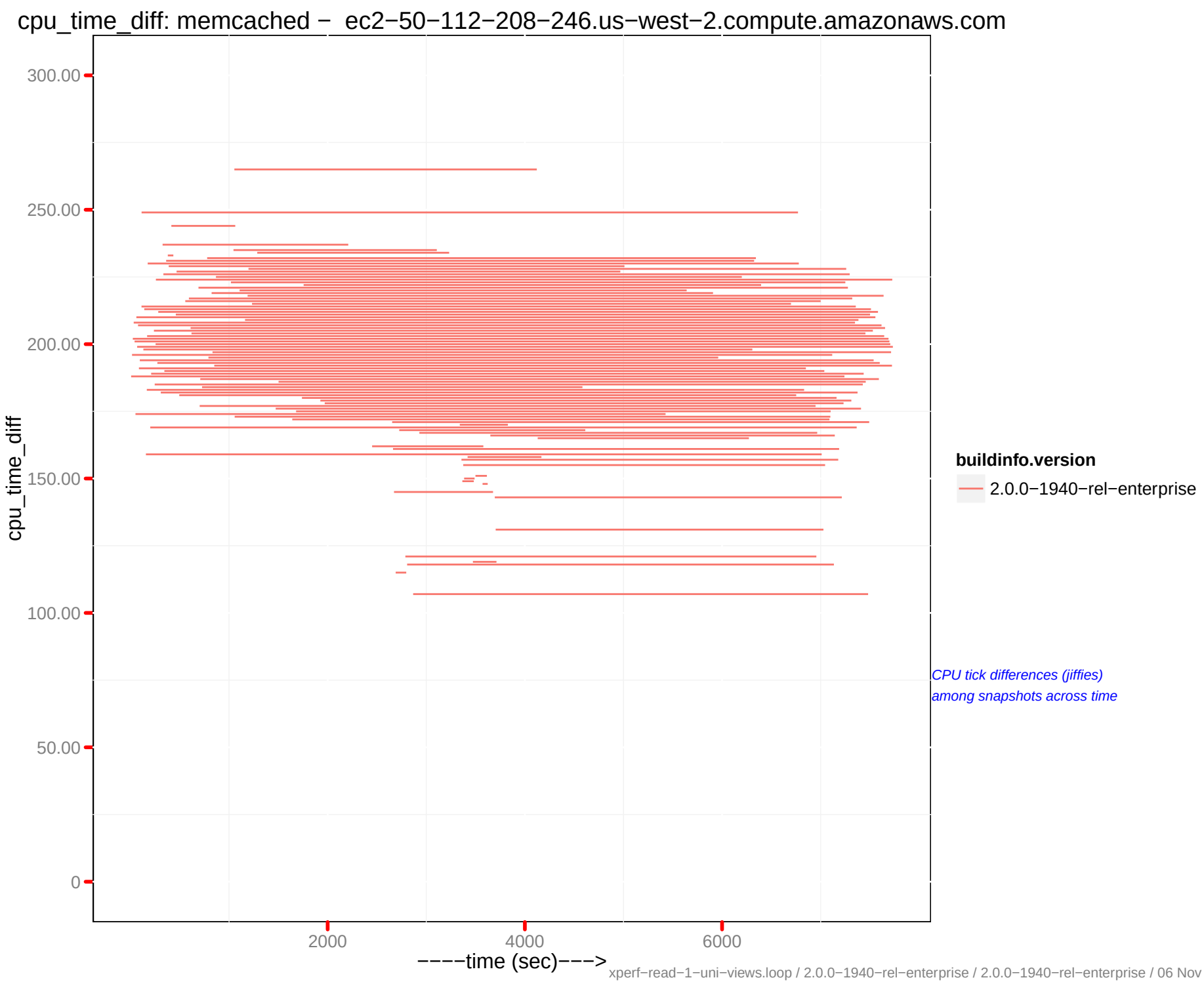

CPU utilization − ec2−54−245−47−102.us−west−2.compute.amazonaws.com:8091
90.00
80.00
70.00
60.00
50.00
40.00
%
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

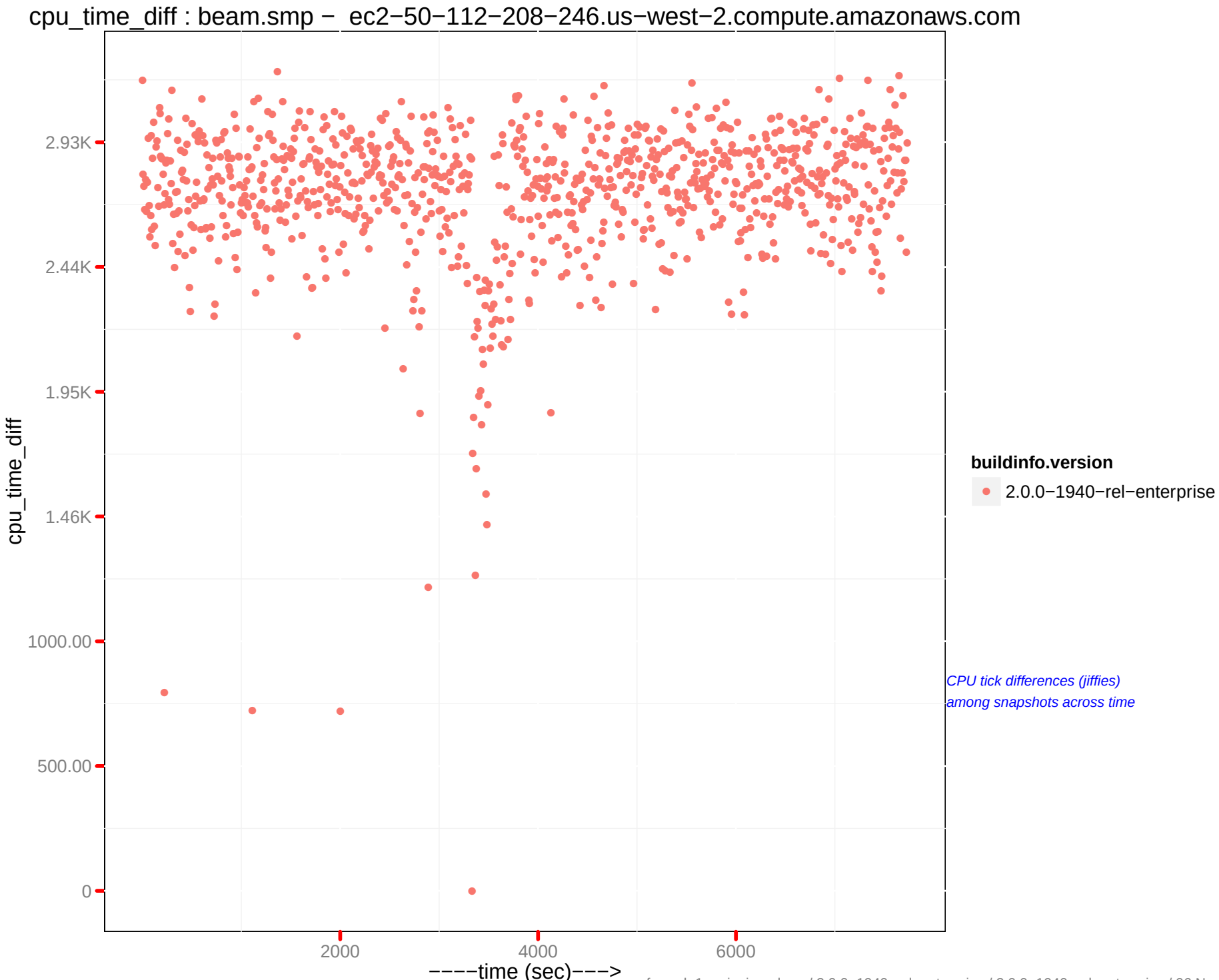

SWAP Usage − ec2−50−112−208−246.us−west−2.compute.amazonaws.com:8091
Bytes
0
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

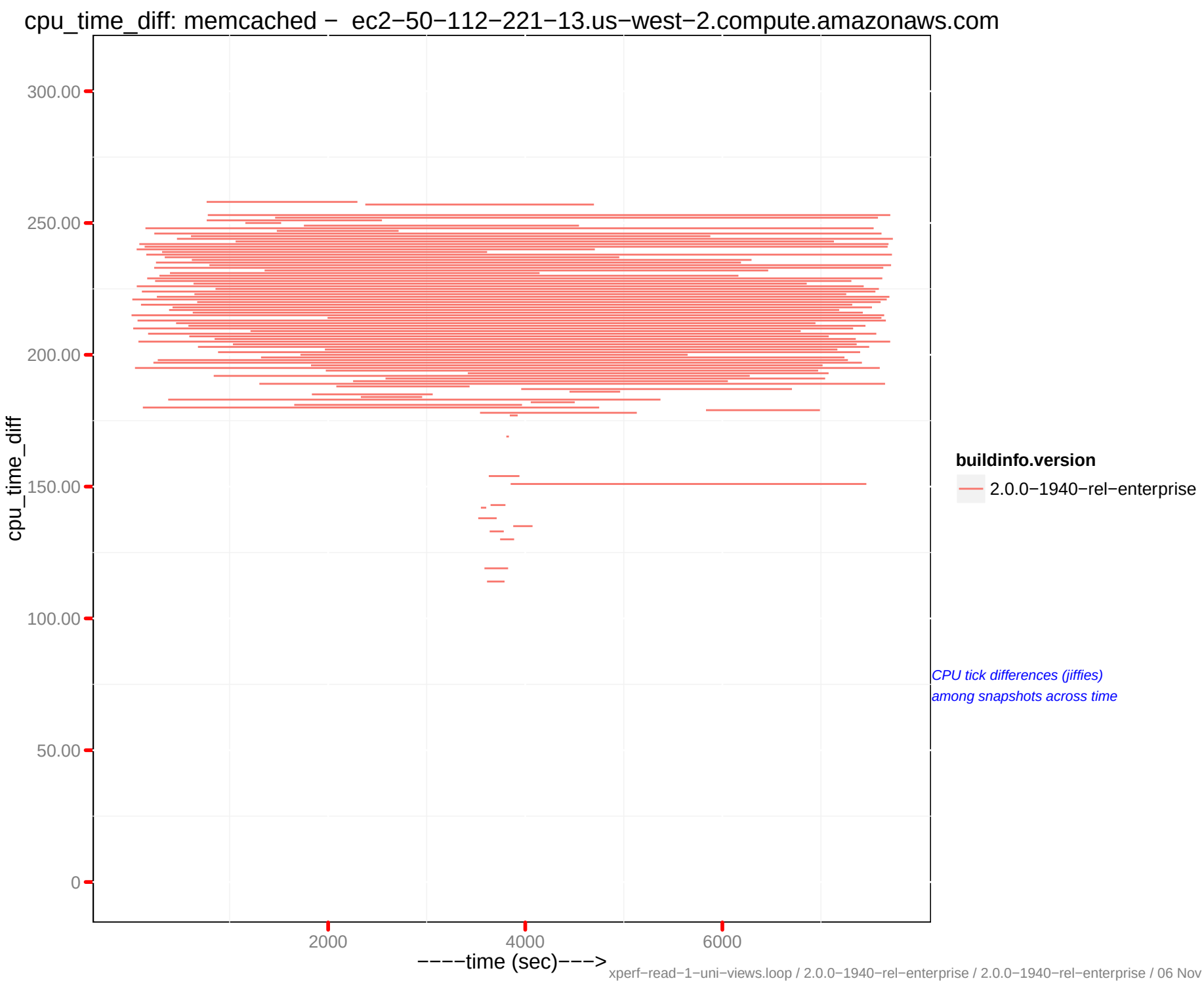

SWAP Usage − ec2−50−112−221−13.us−west−2.compute.amazonaws.com:8091
Bytes
0
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

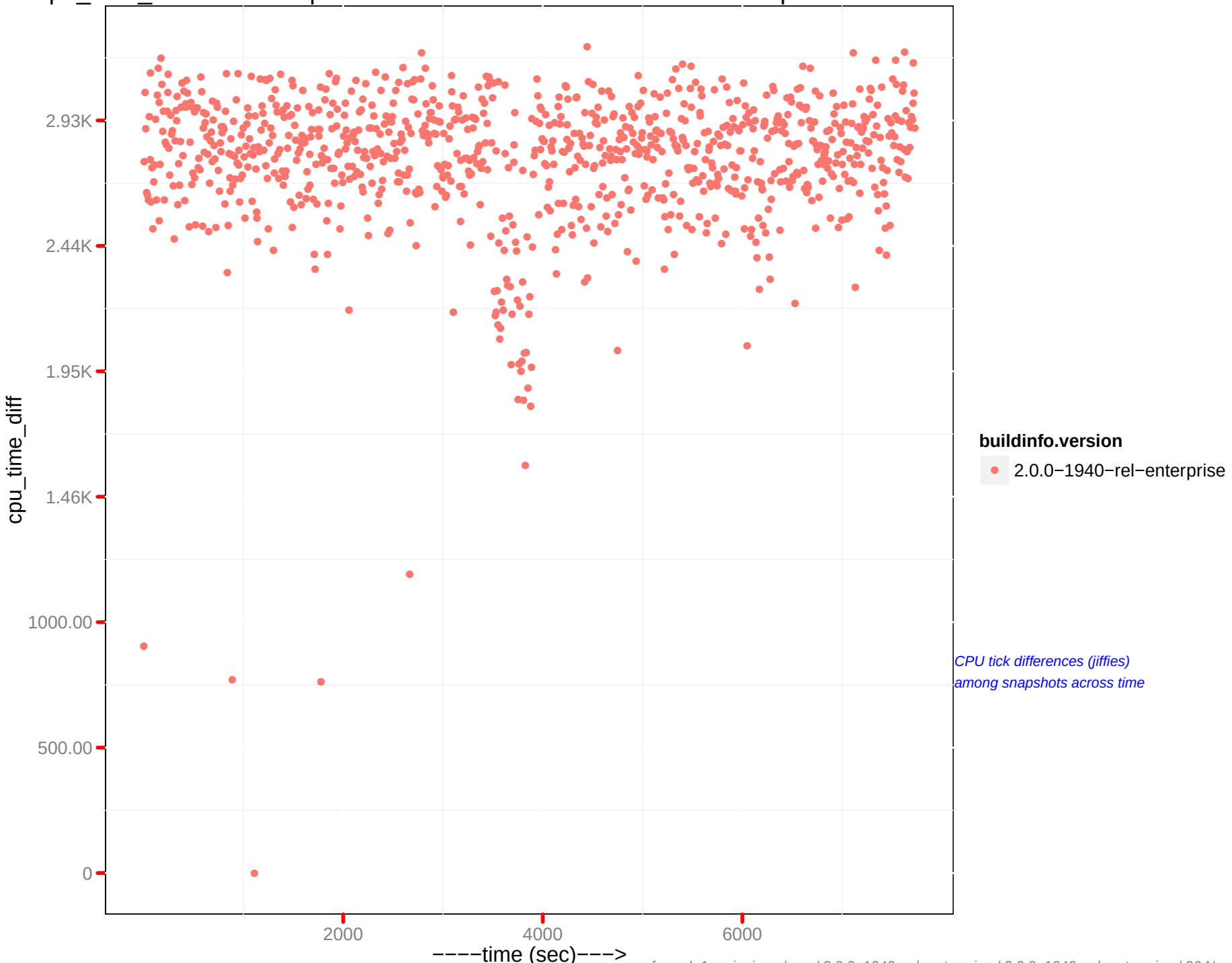

SWAP Usage − ec2−50−112−79−224.us−west−2.compute.amazonaws.com:8091
Bytes
0
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

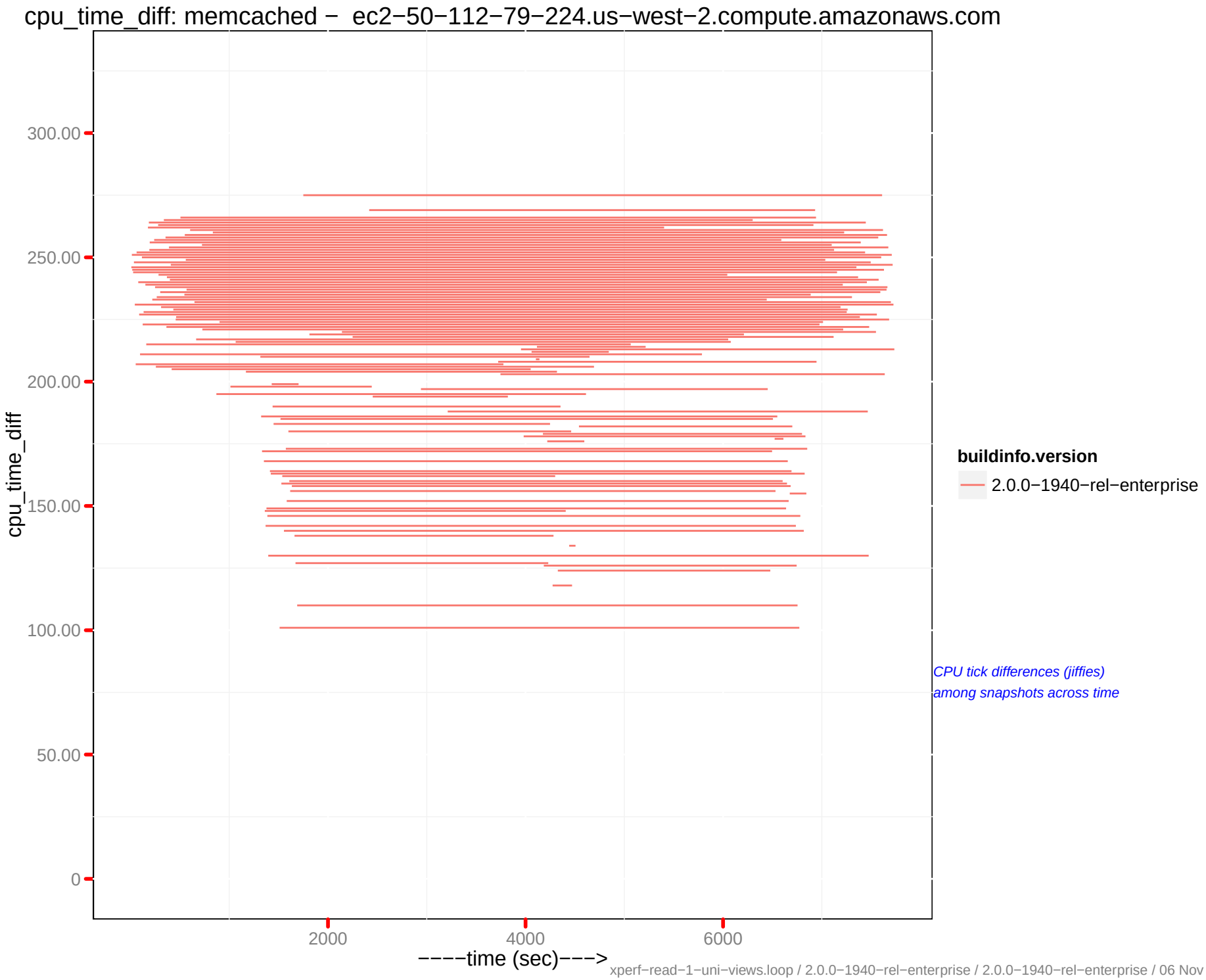

SWAP Usage − ec2−54−245−47−102.us−west−2.compute.amazonaws.com:8091
Bytes
0
50
100
150
−−−−time (min)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

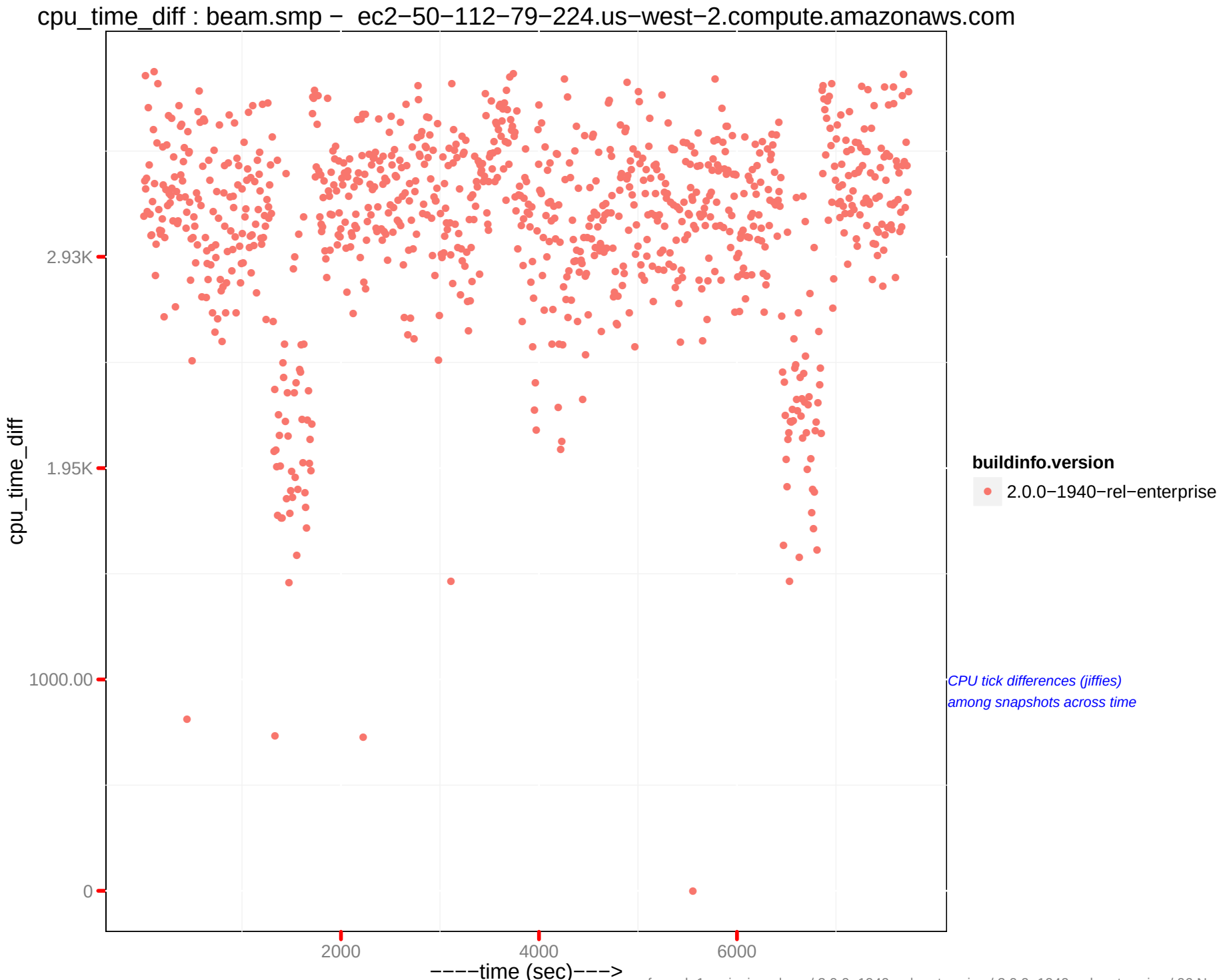

cpu_time_diff: memcached − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
300.00
250.00
200.00
150.00
100.00
50.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

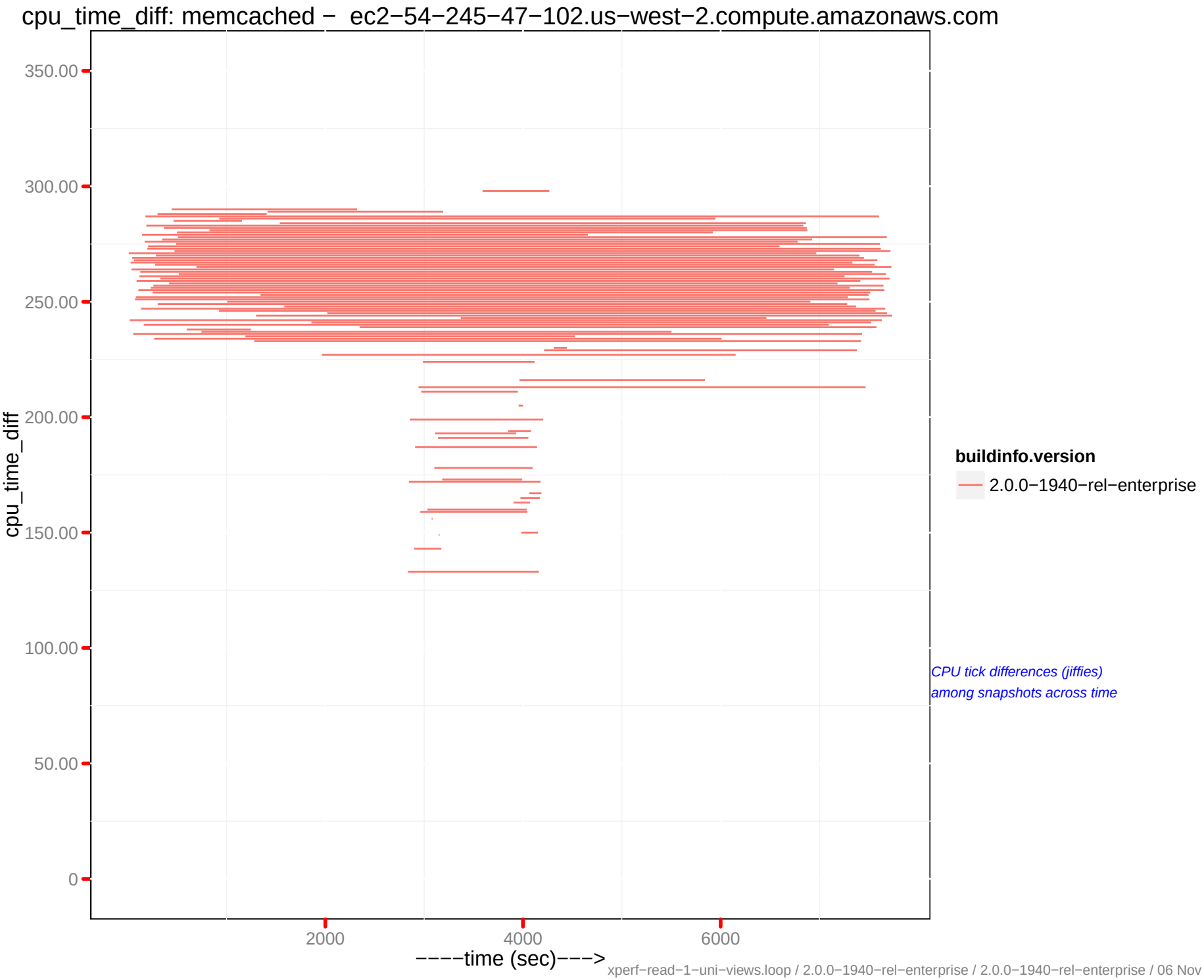

cpu_time_diff : beam.smp −_ ec2−50−112−208−246.us−west−2.compute.amazonaws.com
cpu_time_diff
2.93K
2.44K
1.95K
1.46K
1000.00
500.00
0
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

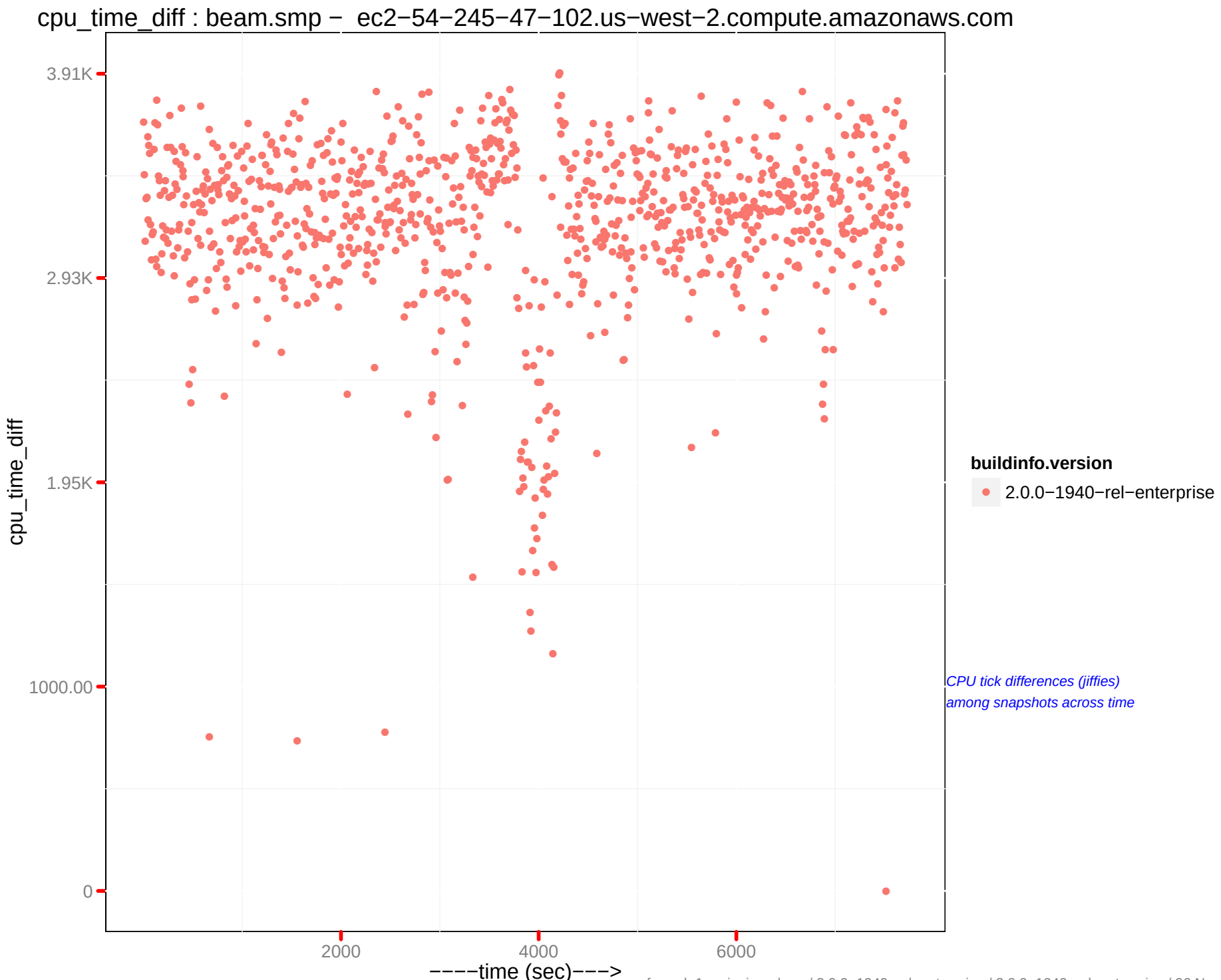

cpu_time_diff: memcached − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
300.00
250.00
200.00
150.00
100.00
50.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

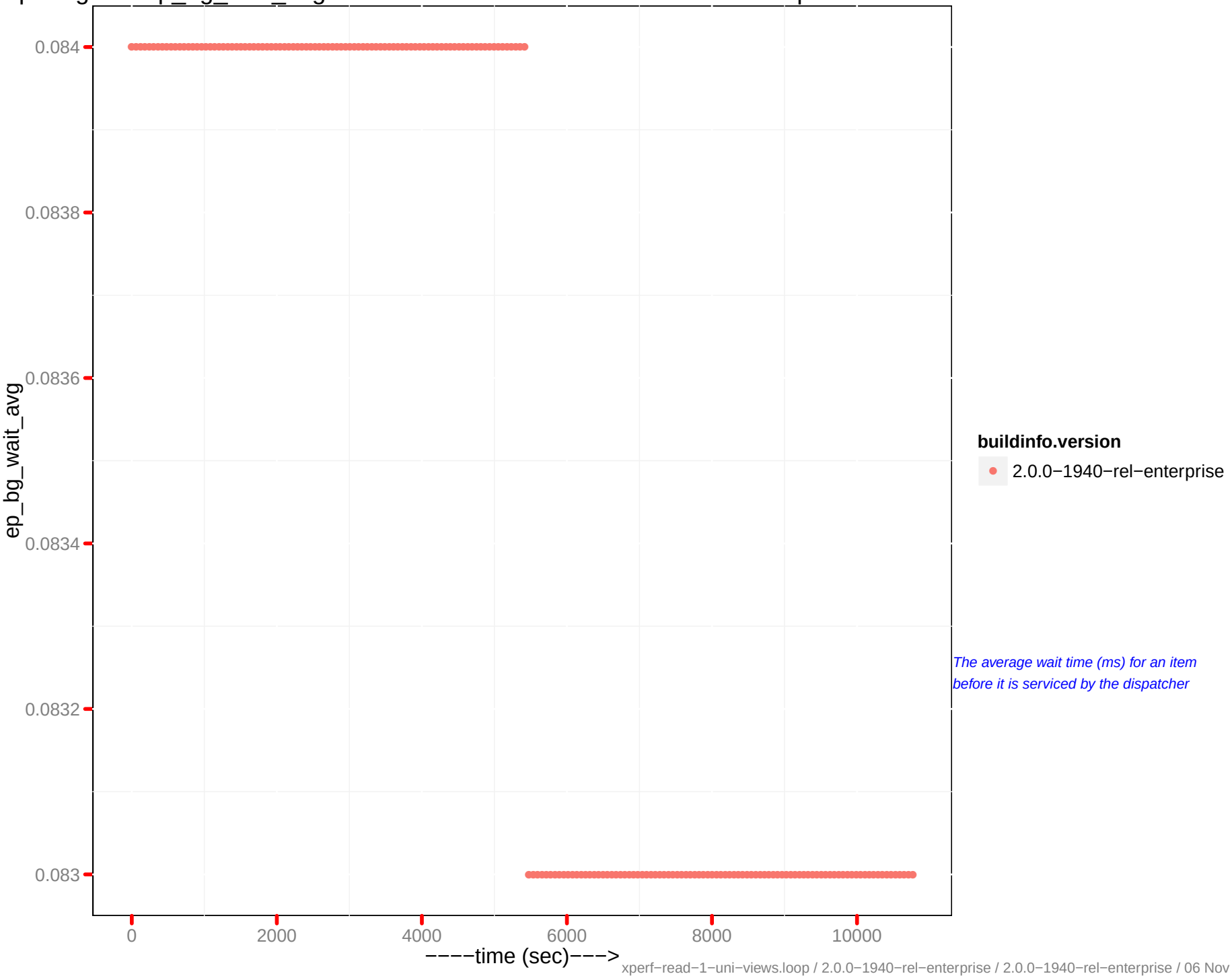

cpu_time_diff : beam.smp − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
2.93K
2.44K
1.95K
1.46K
1000.00
500.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

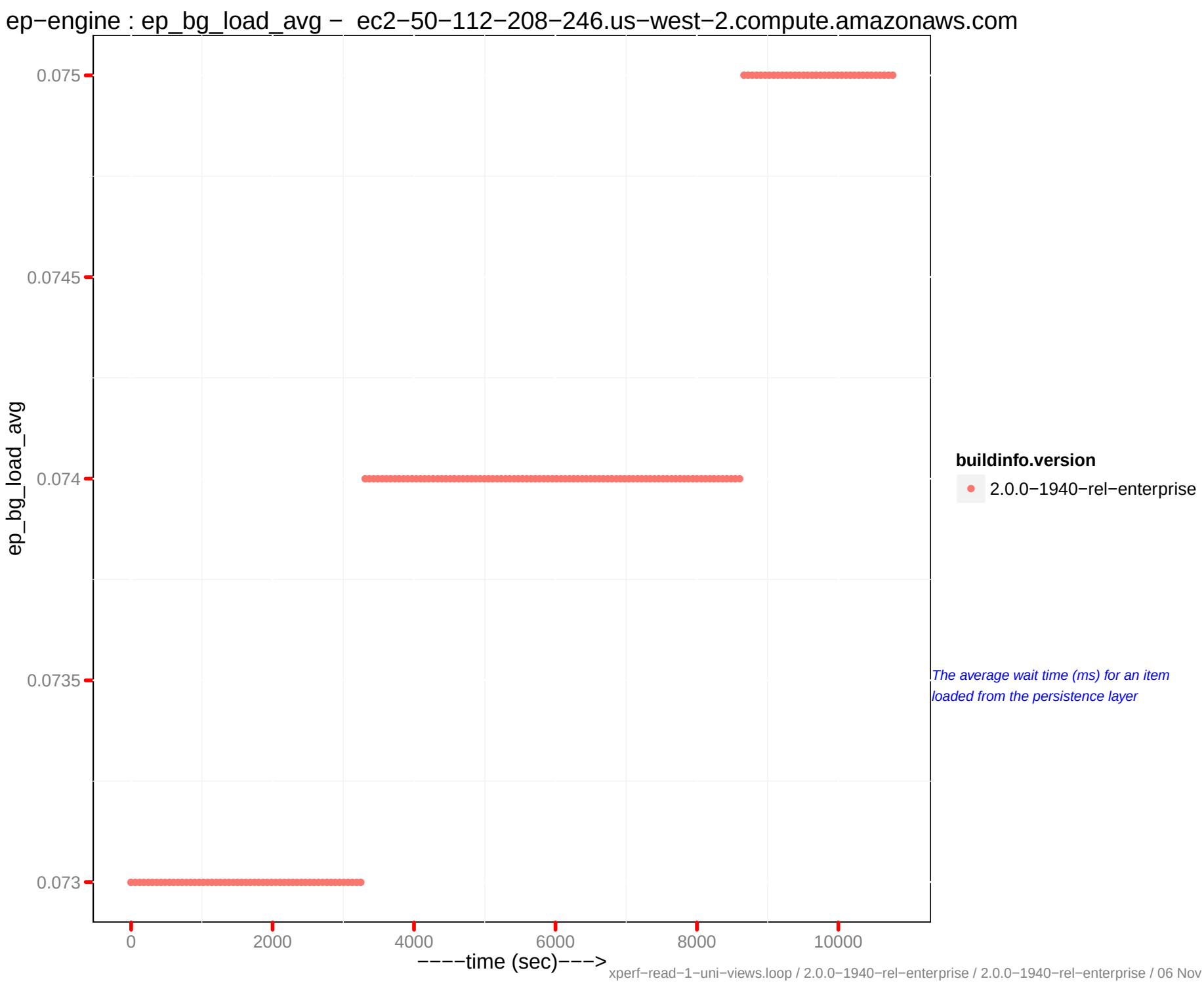

cpu_time_diff: memcached − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
300.00
250.00
200.00
150.00
100.00
50.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

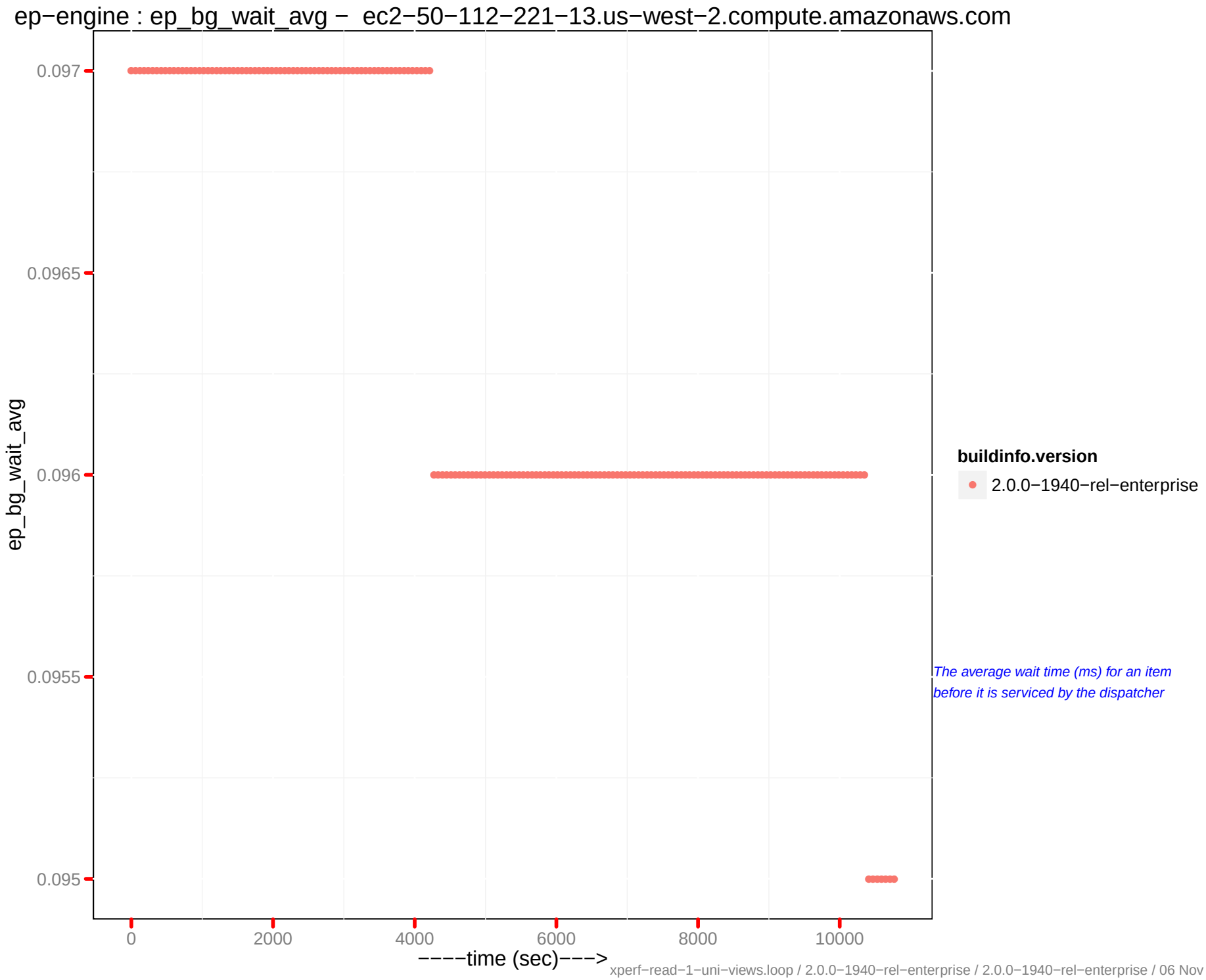

cpu_time_diff : beam.smp − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
cpu_time_diff
2.93K
1.95K
1000.00
0
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

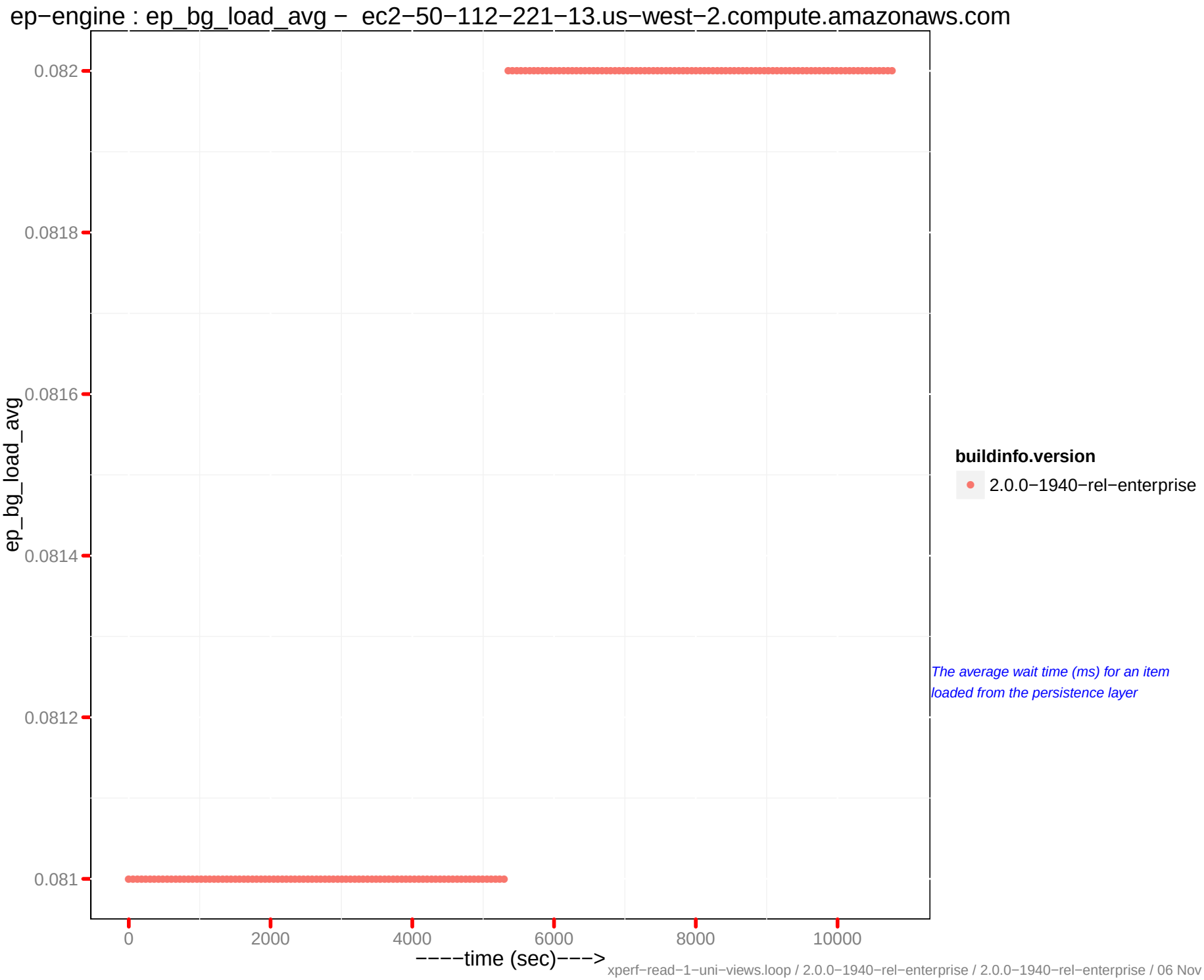

cpu_time_diff: memcached − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

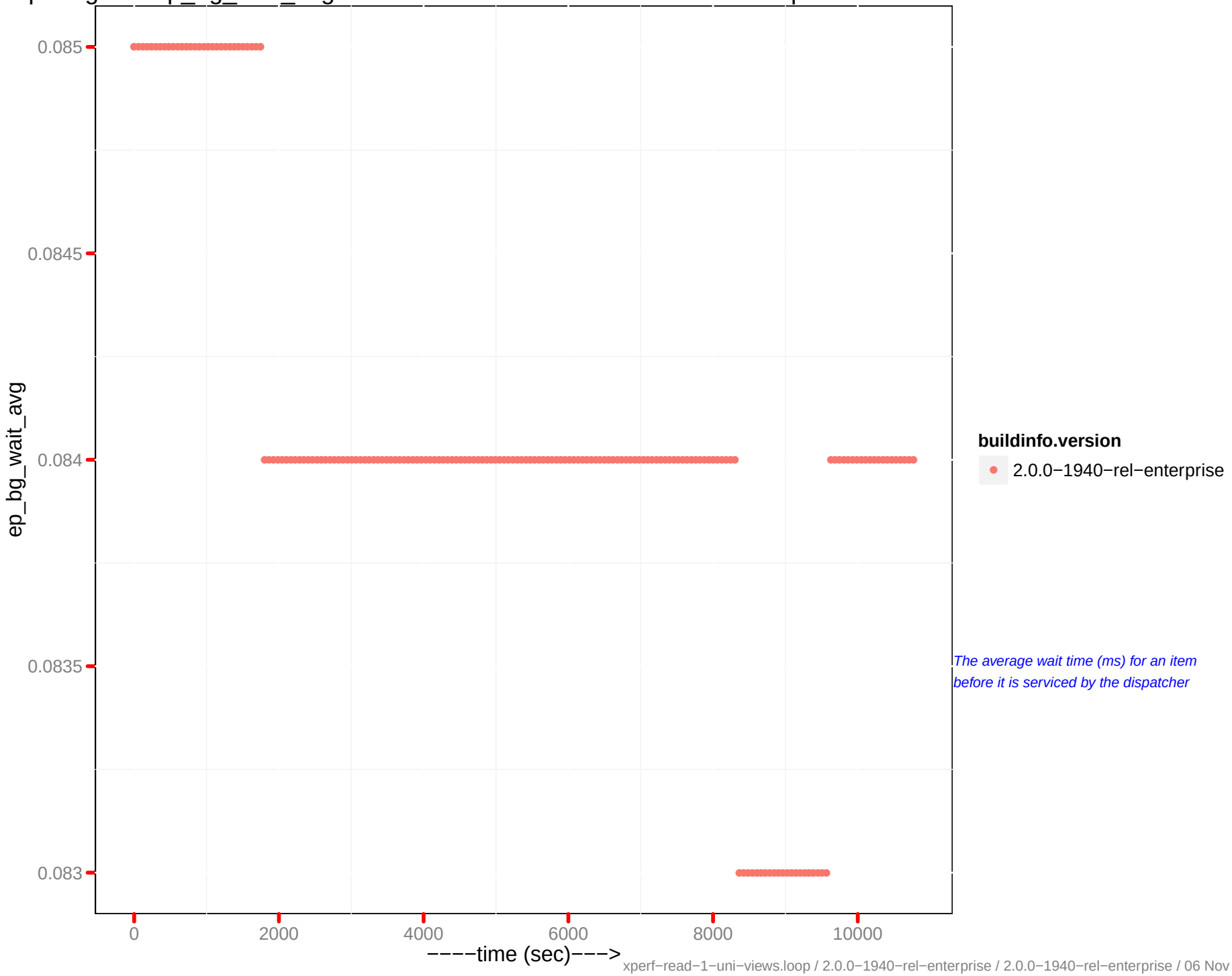

cpu_time_diff : beam.smp − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
3.91K
2.93K
1.95K
1000.00
0
cpu_time_diff
2000
4000
6000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
CPU tick differences (jiffies)
among snapshots across time
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

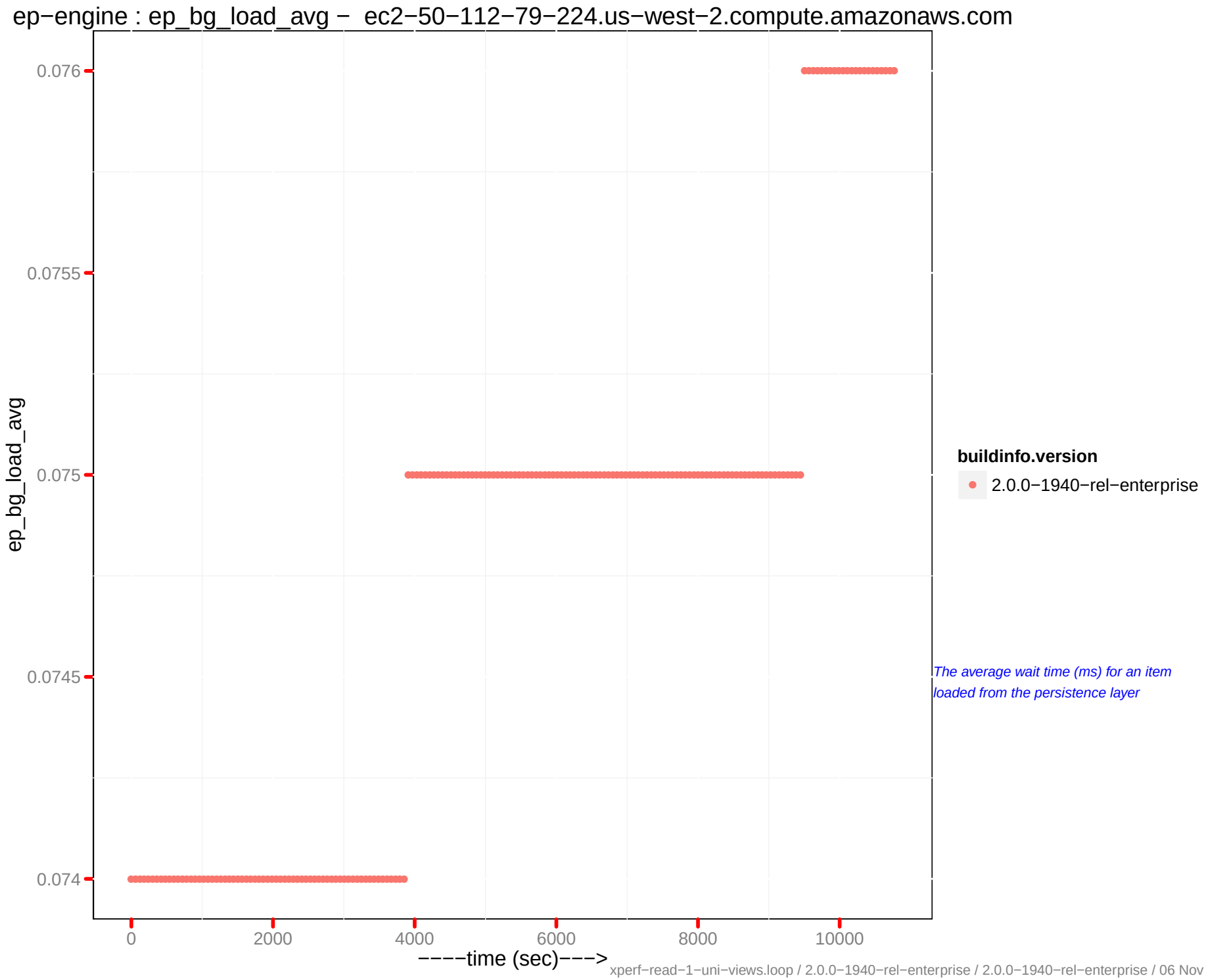

ep−engine : ep_bg_wait_avg − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
0.084
0.0838
0.0836
0.0834
0.0832
0.083
ep_bg_wait_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

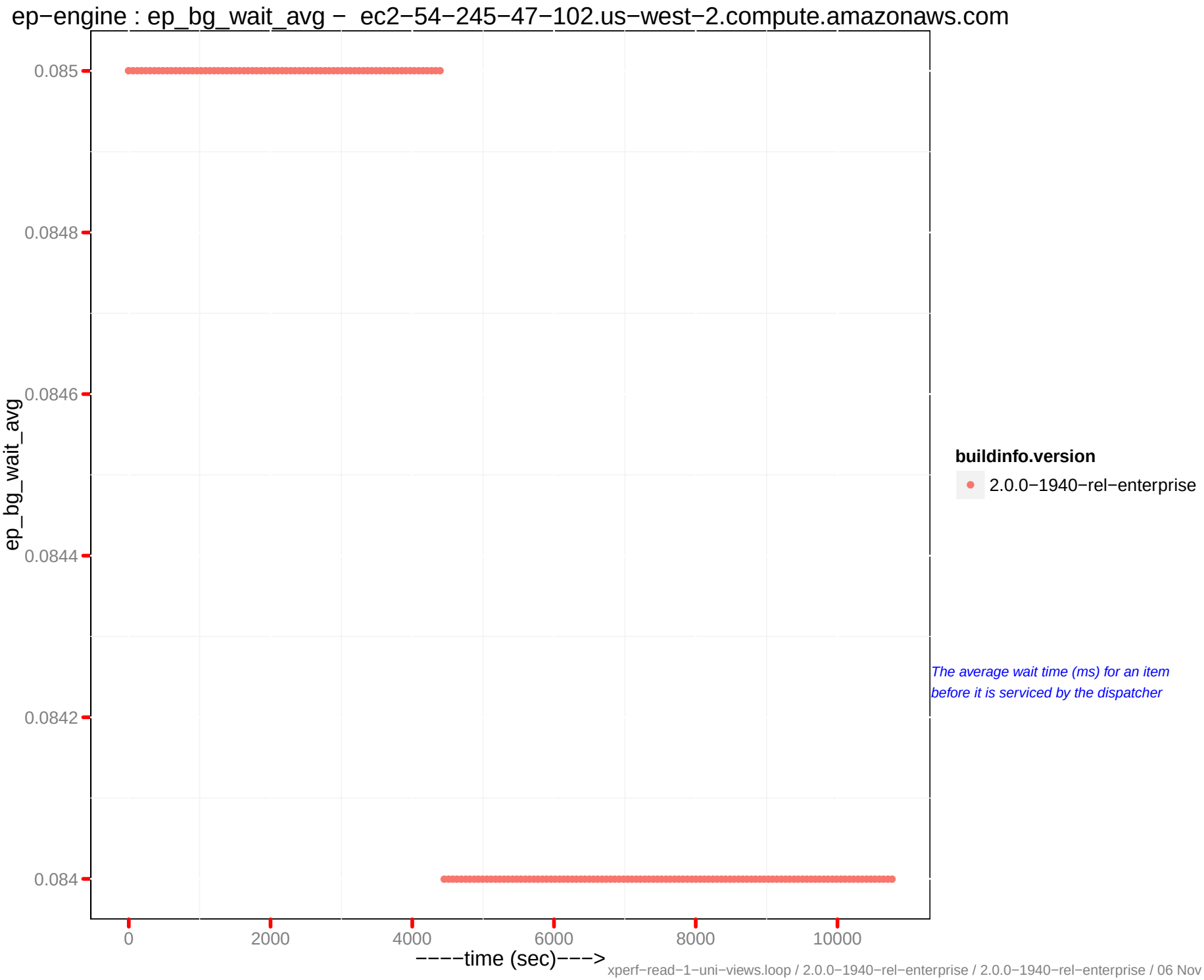

ep−engine : ep_bg_load_avg − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
0.075
0.0745
0.074
0.0735
0.073
ep_bg_load_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

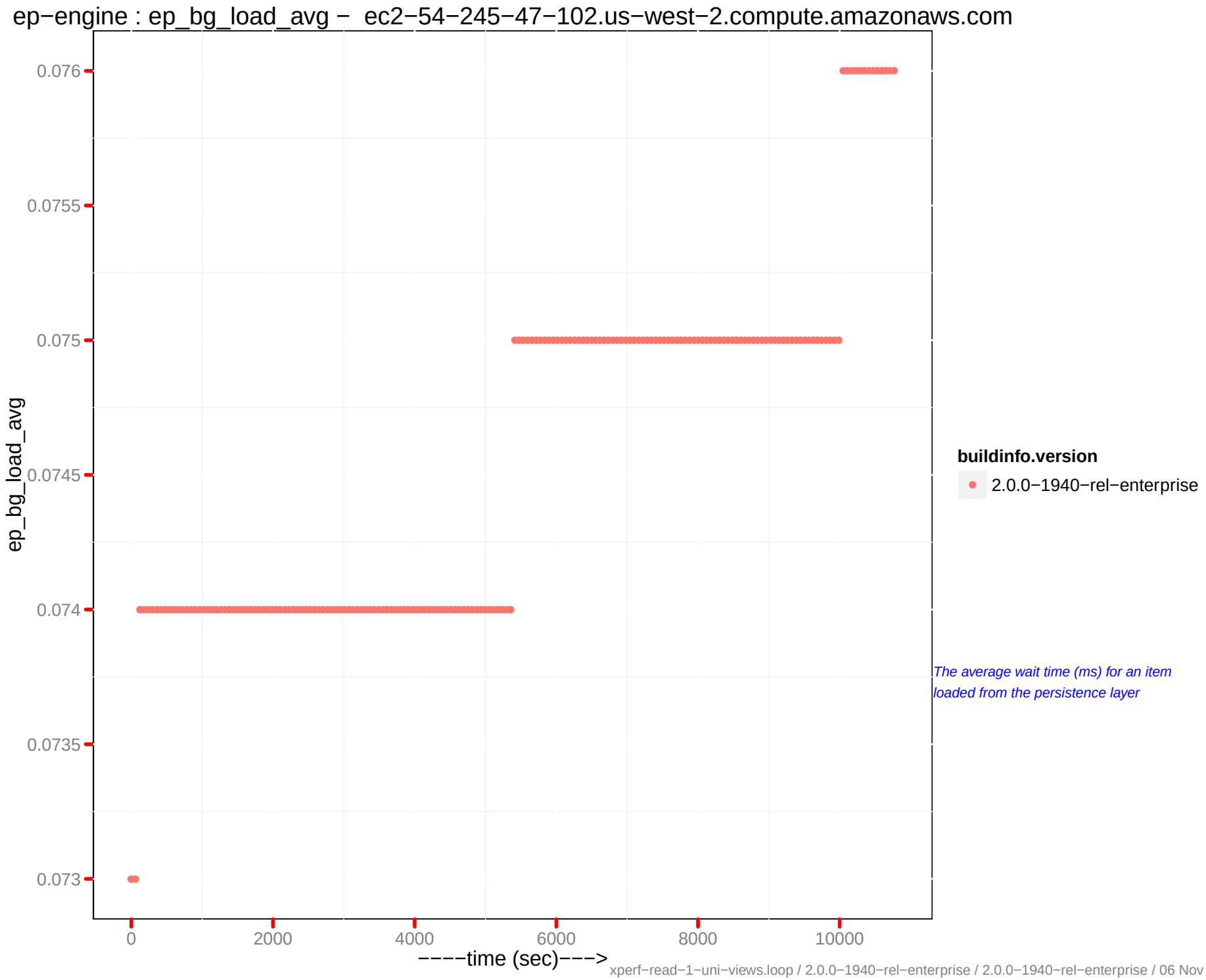

ep−engine : ep_bg_wait_avg − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
0.097
0.0965
0.096
0.0955
0.095
ep_bg_wait_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

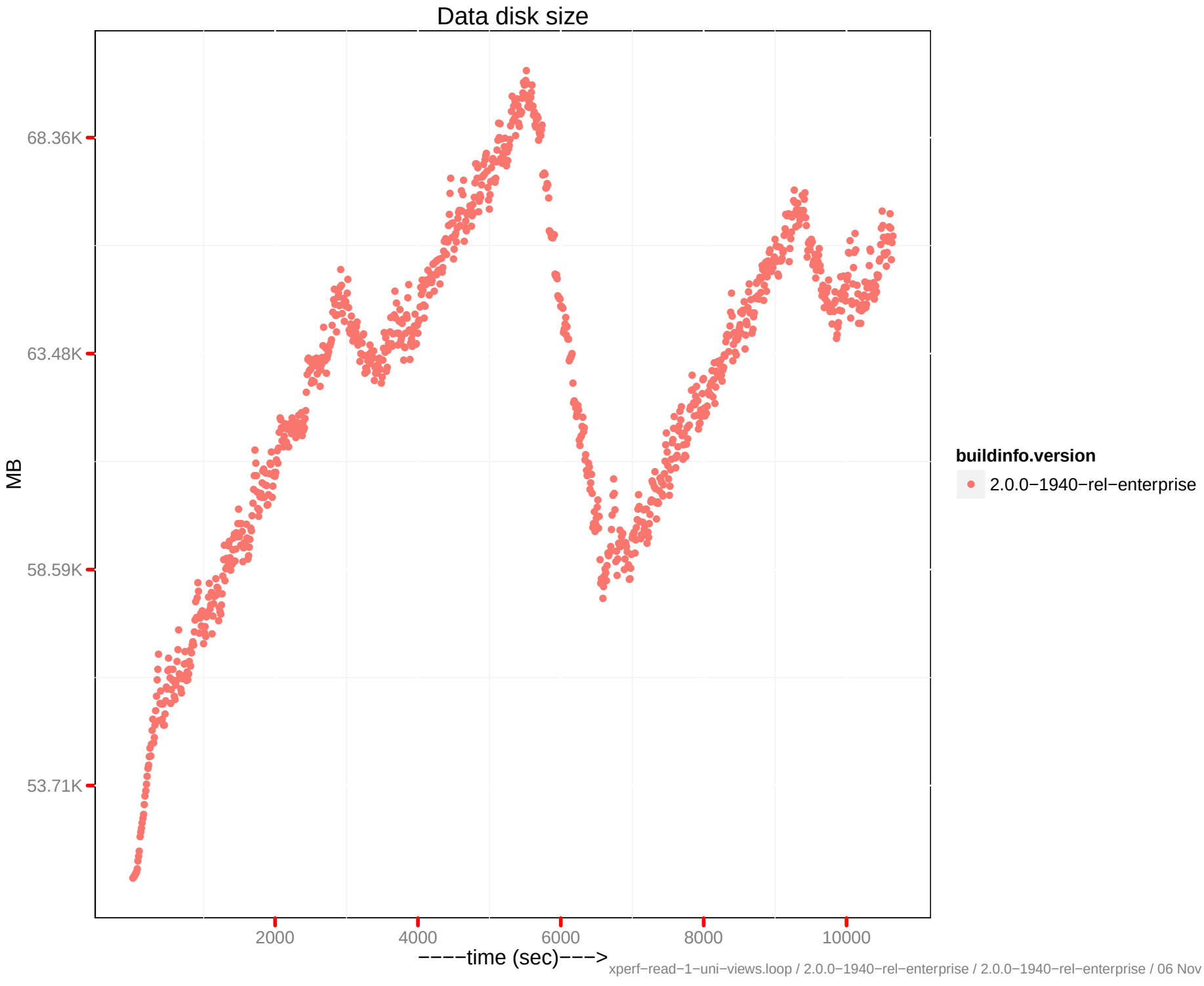

ep−engine : ep_bg_load_avg − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
0.082
0.0818
0.0816
0.0814
0.0812
0.081
ep_bg_load_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

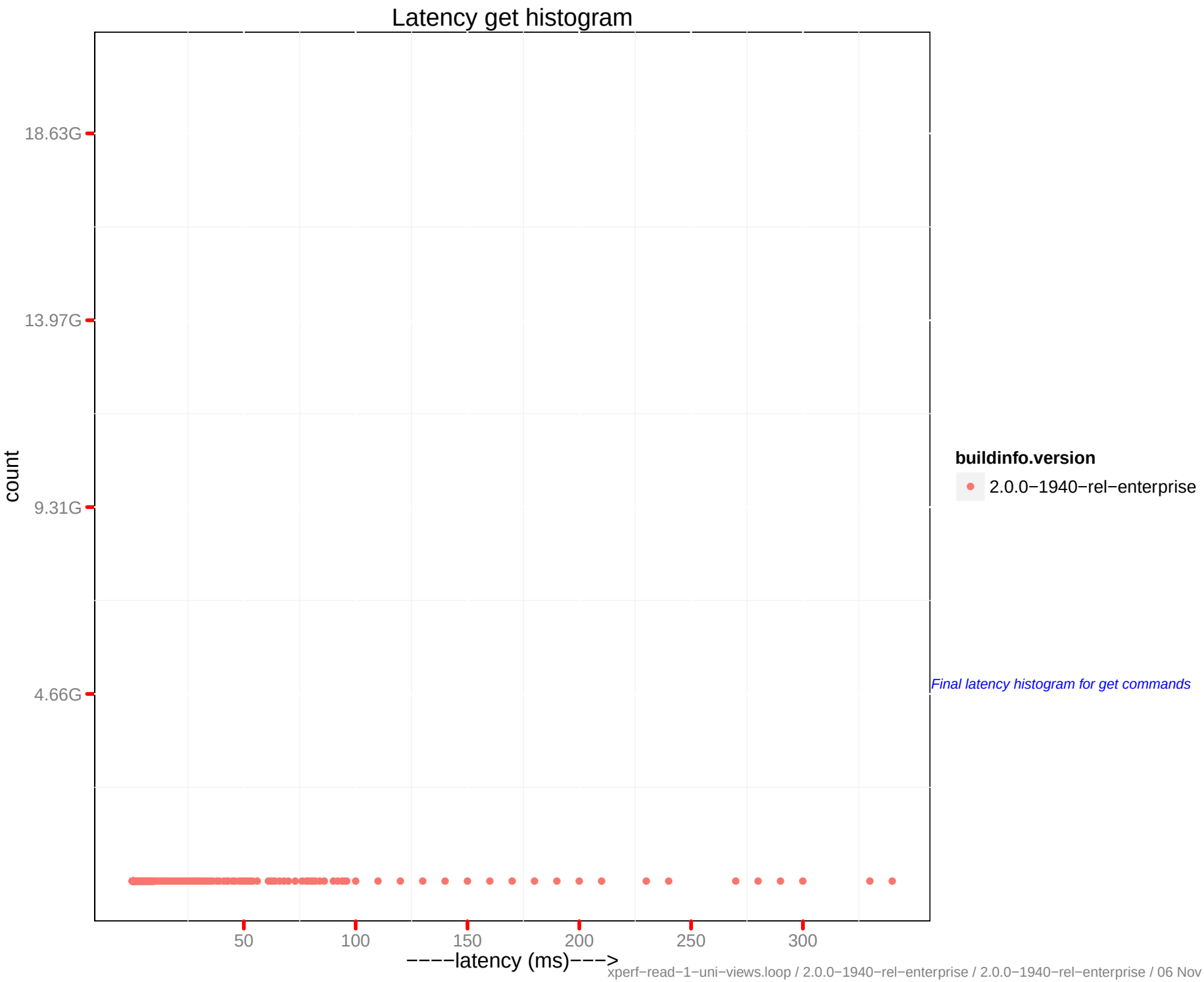

ep−engine : ep_bg_wait_avg − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
0.085
0.0845
0.084
0.0835
0.083
ep_bg_wait_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

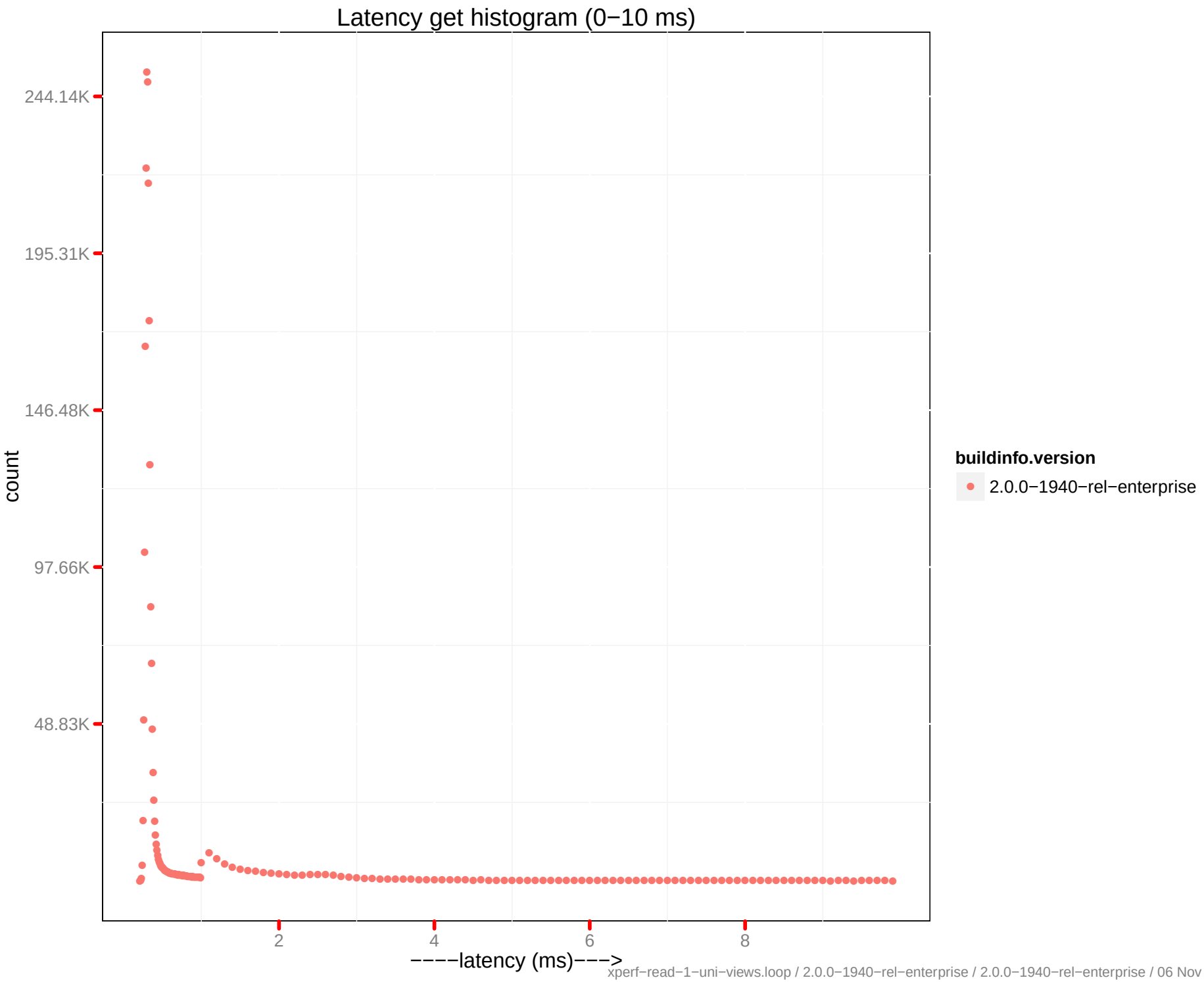

ep−engine : ep_bg_load_avg − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
0.076
0.0755
0.075
0.0745
0.074
ep_bg_load_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

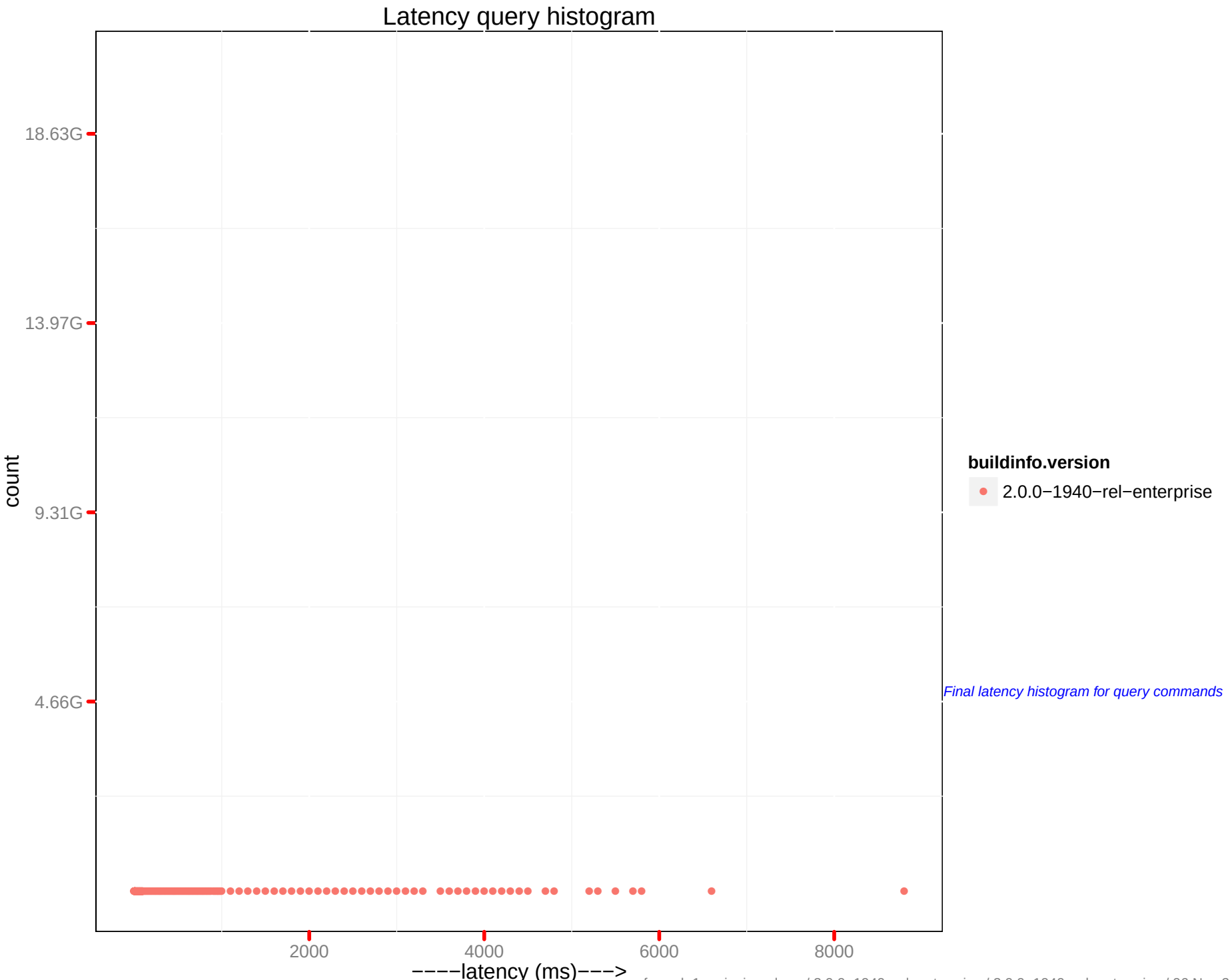

ep−engine : ep_bg_wait_avg − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
0.085
0.0848
0.0846
0.0844
0.0842
0.084
ep_bg_wait_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item
before it is serviced by the dispatcher
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

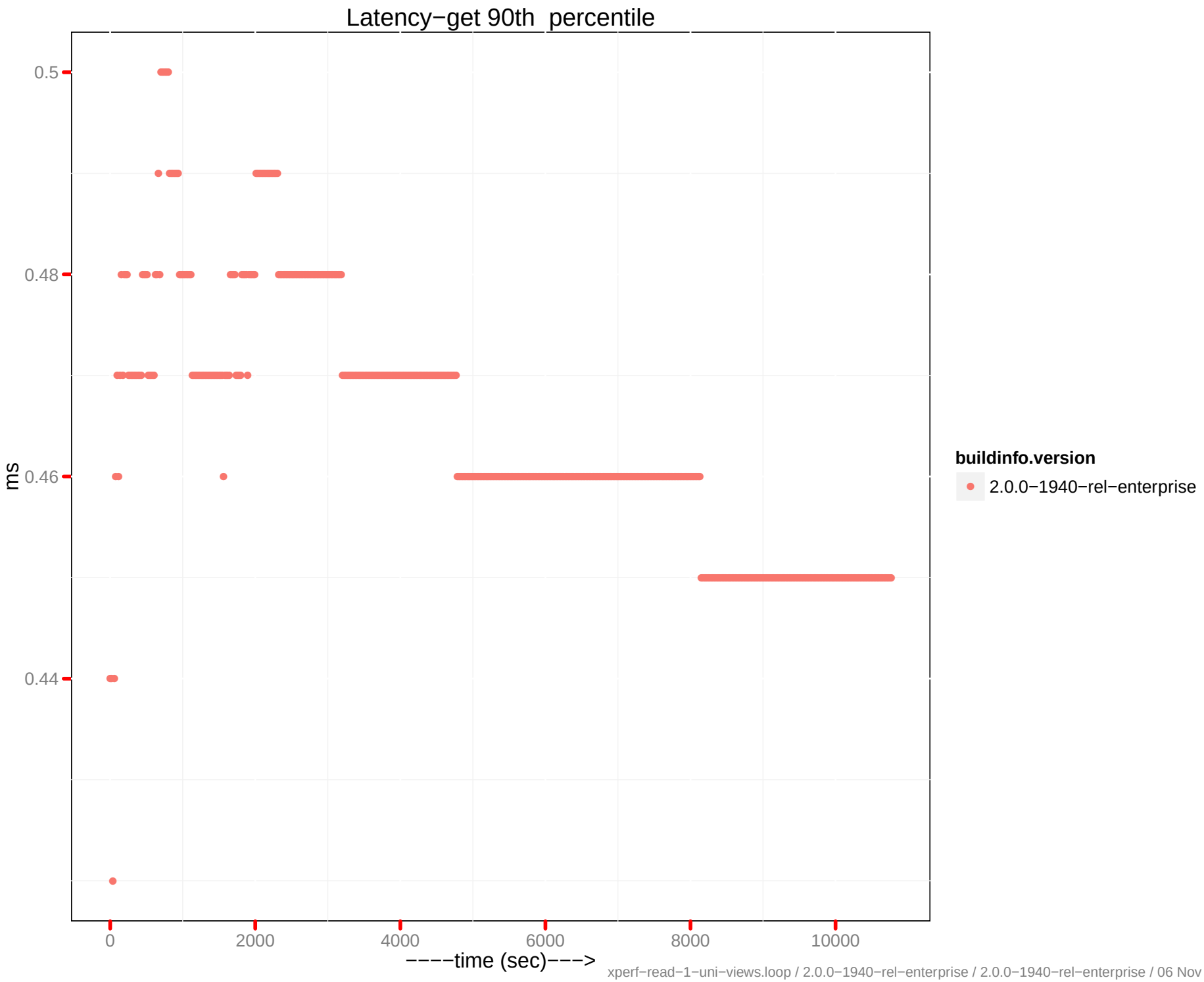

ep−engine : ep_bg_load_avg − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
0.076
0.0755
0.075
0.0745
0.074
0.0735
0.073
ep_bg_load_avg
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
The average wait time (ms) for an item loaded from the persistence layer
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

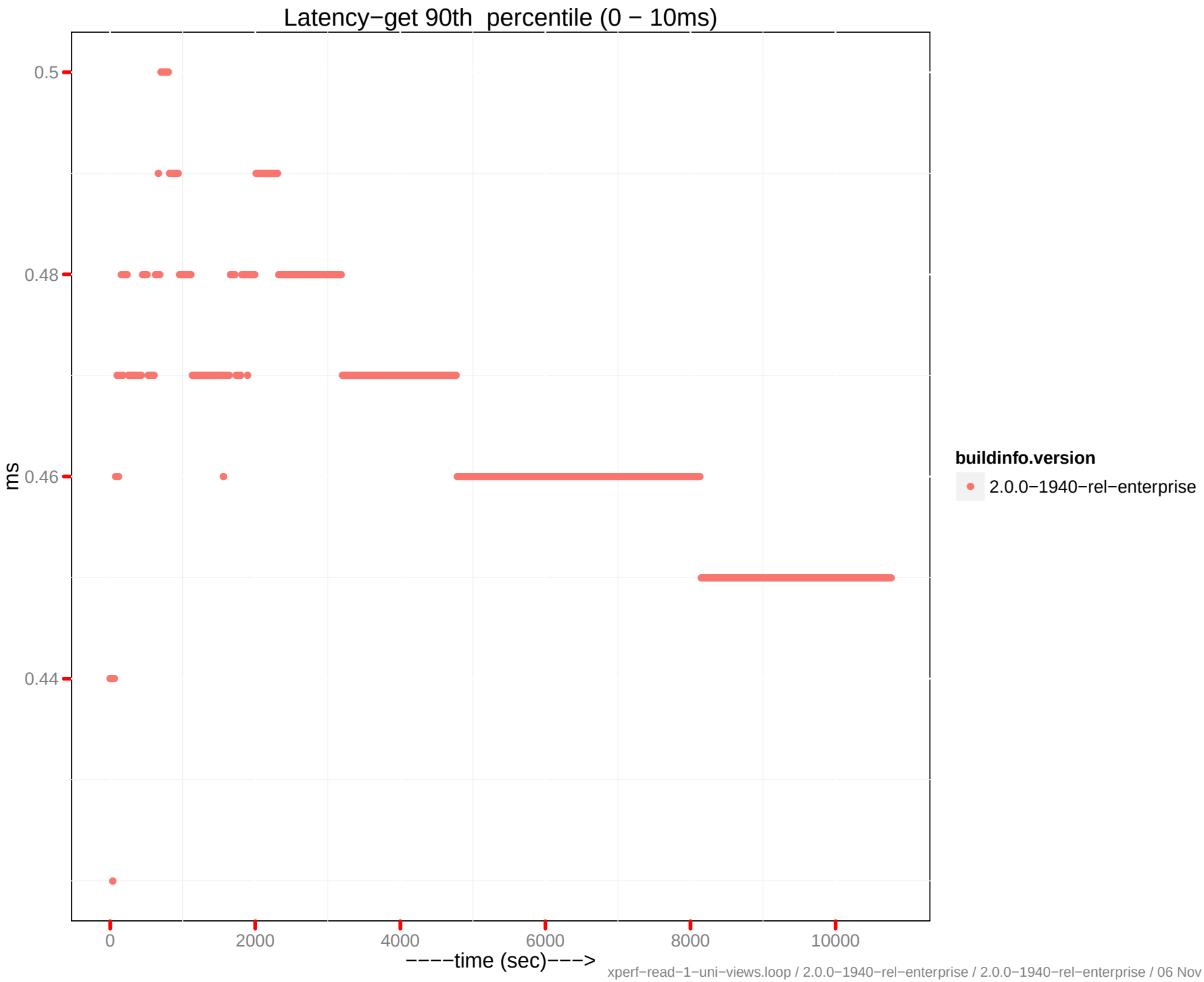

Data disk size
68.36K
63.48K
58.59K
53.71K
MB
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

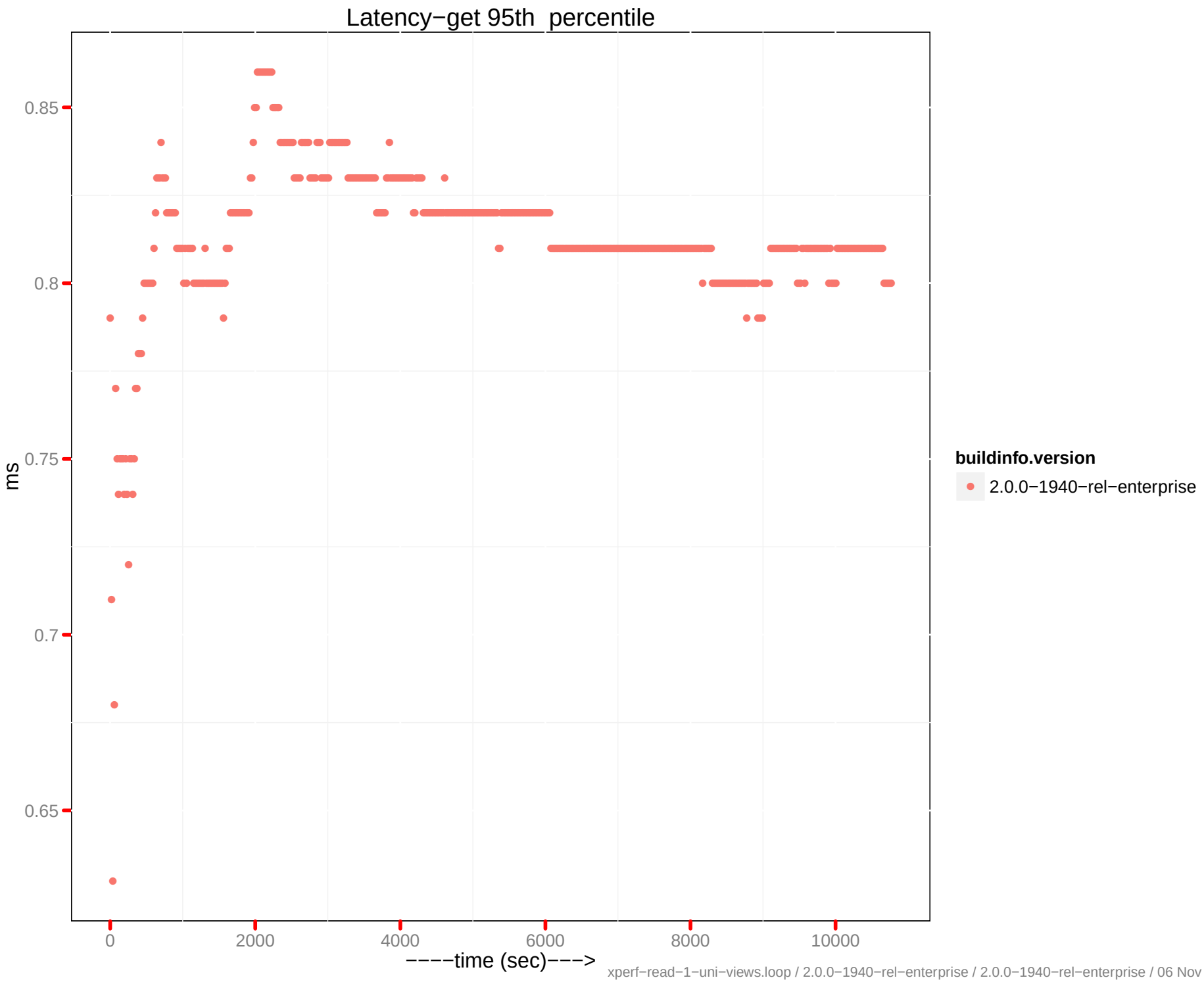

Latency get histogram
18.63G
13.97G
9.31G
4.66G
count
50
100
150
200
250
300
----latency (ms)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Final latency histogram for get commands
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

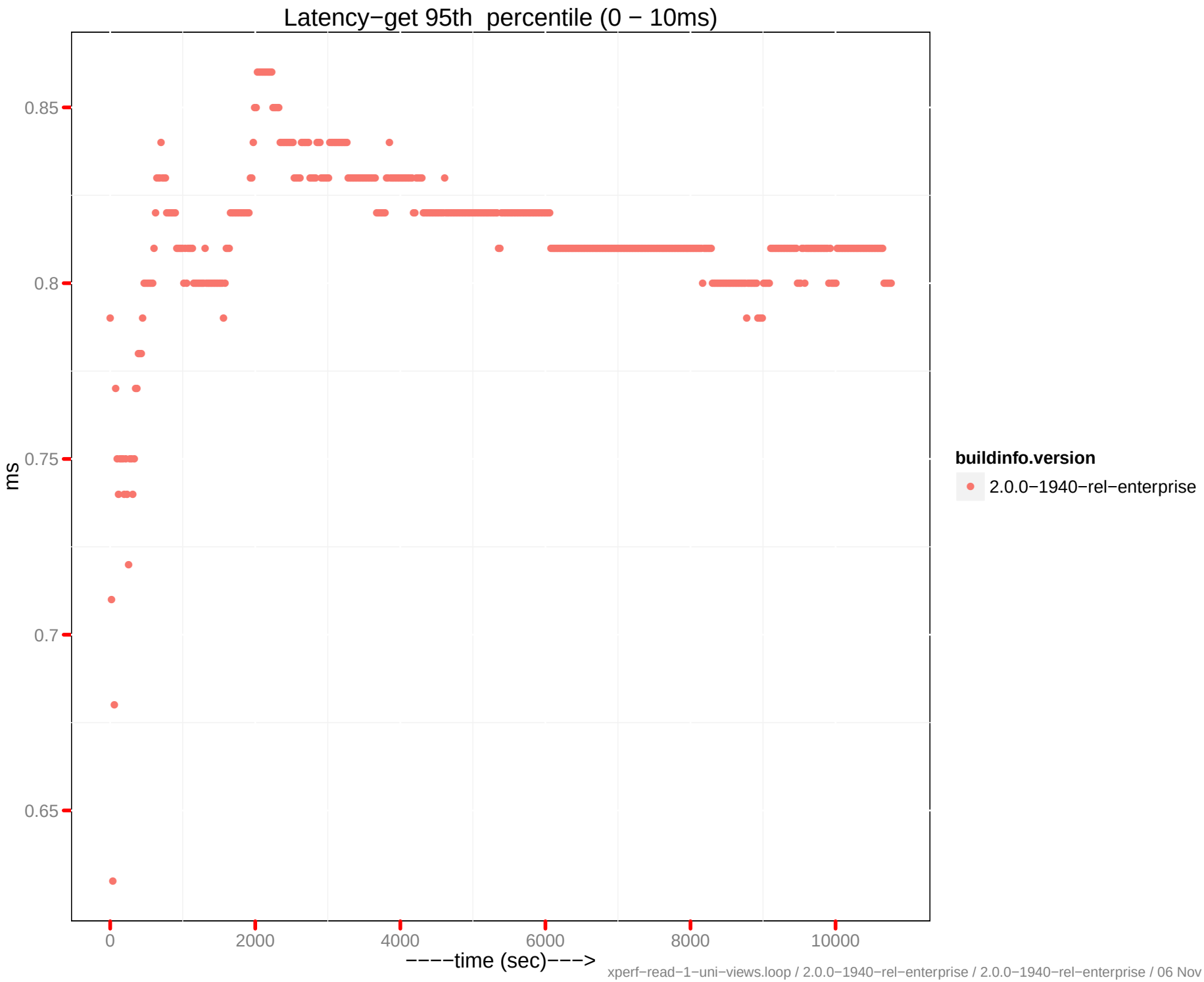

Latency get histogram (0−10 ms)
244.14K
195.31K
146.48K
97.66K
48.83K
count
2
4
6
8
−−−−latency (ms)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

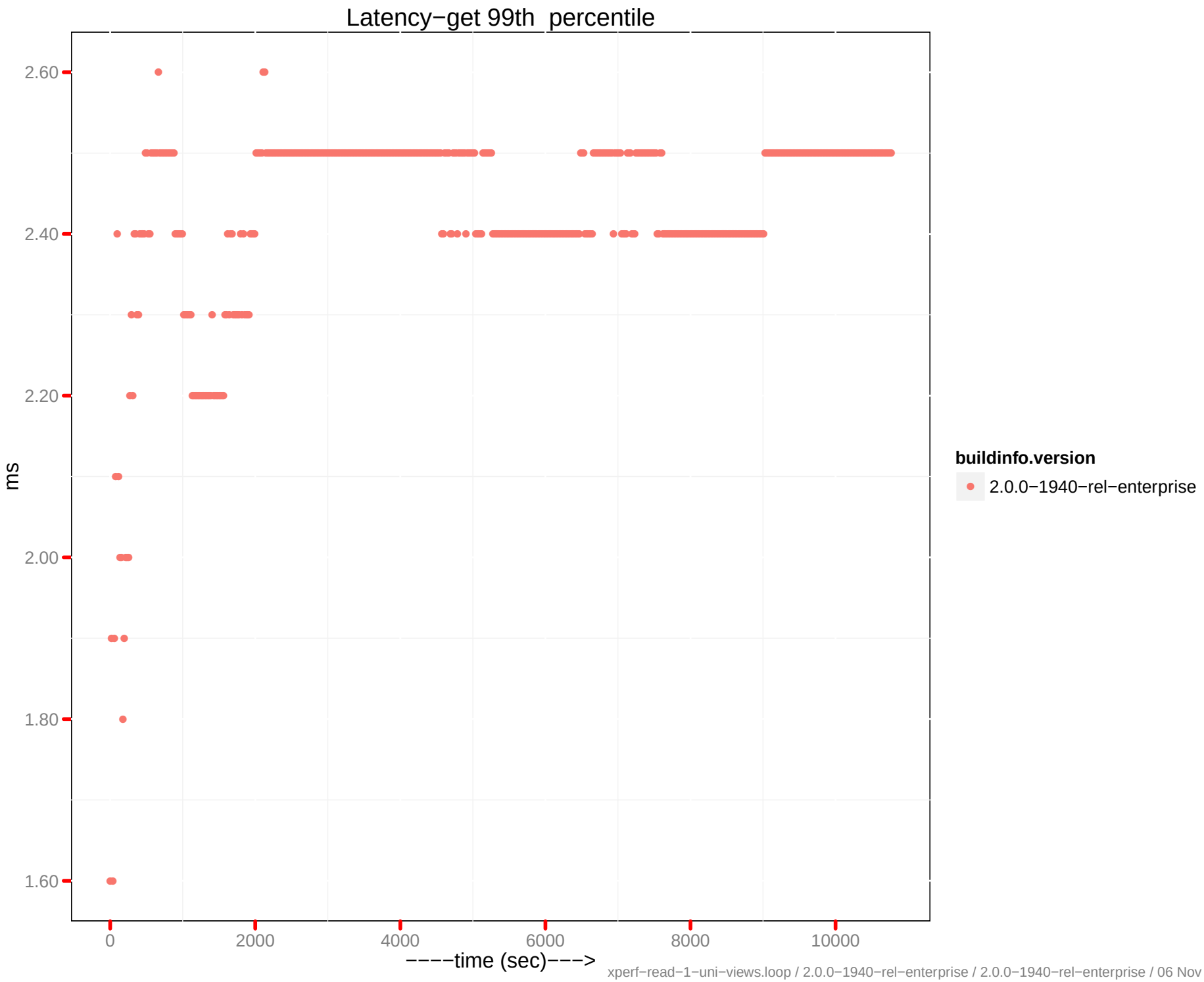

Latency query histogram
18.63G
13.97G
9.31G
4.66G
count
2000
4000
6000
8000
----latency (ms)--->
buildinfo.version
2.0.0-1940-rel-enterprise
Final latency histogram for query commands
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

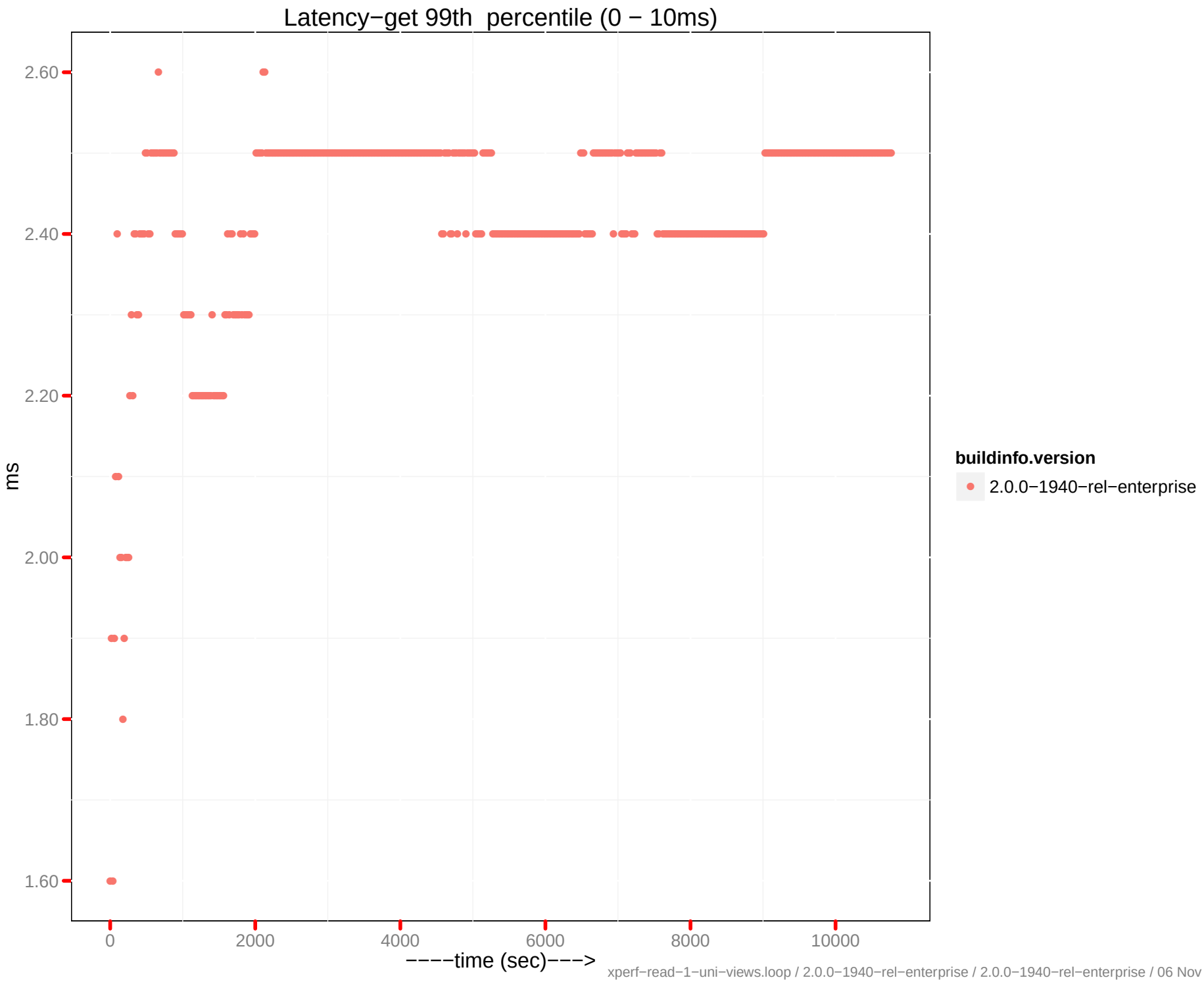

Latency−get 90th percentile
0.5
0.48
0.46
0.44
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

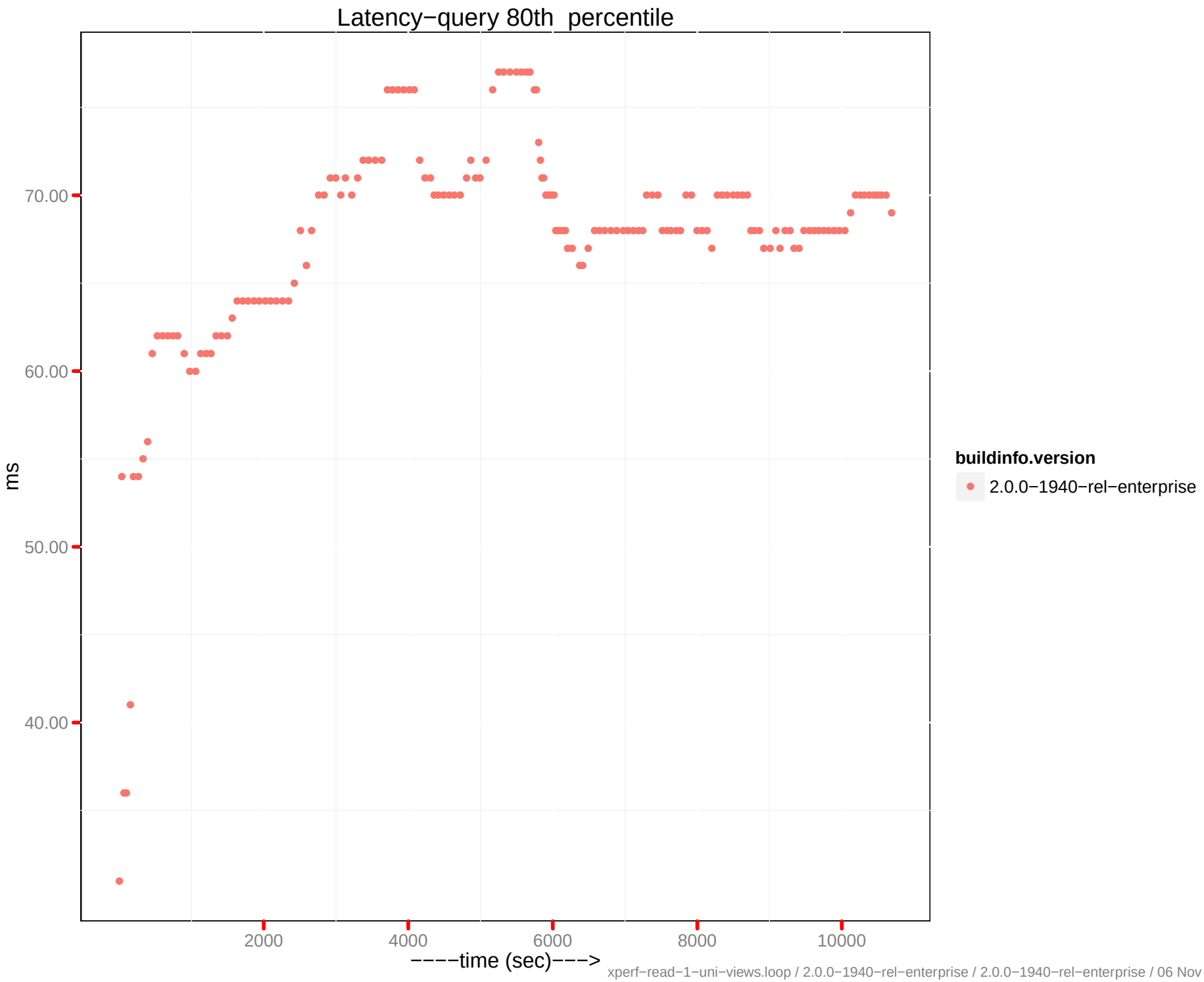

Latency−get 90th percentile (0 − 10ms)
0.5
0.48
0.46
0.44
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

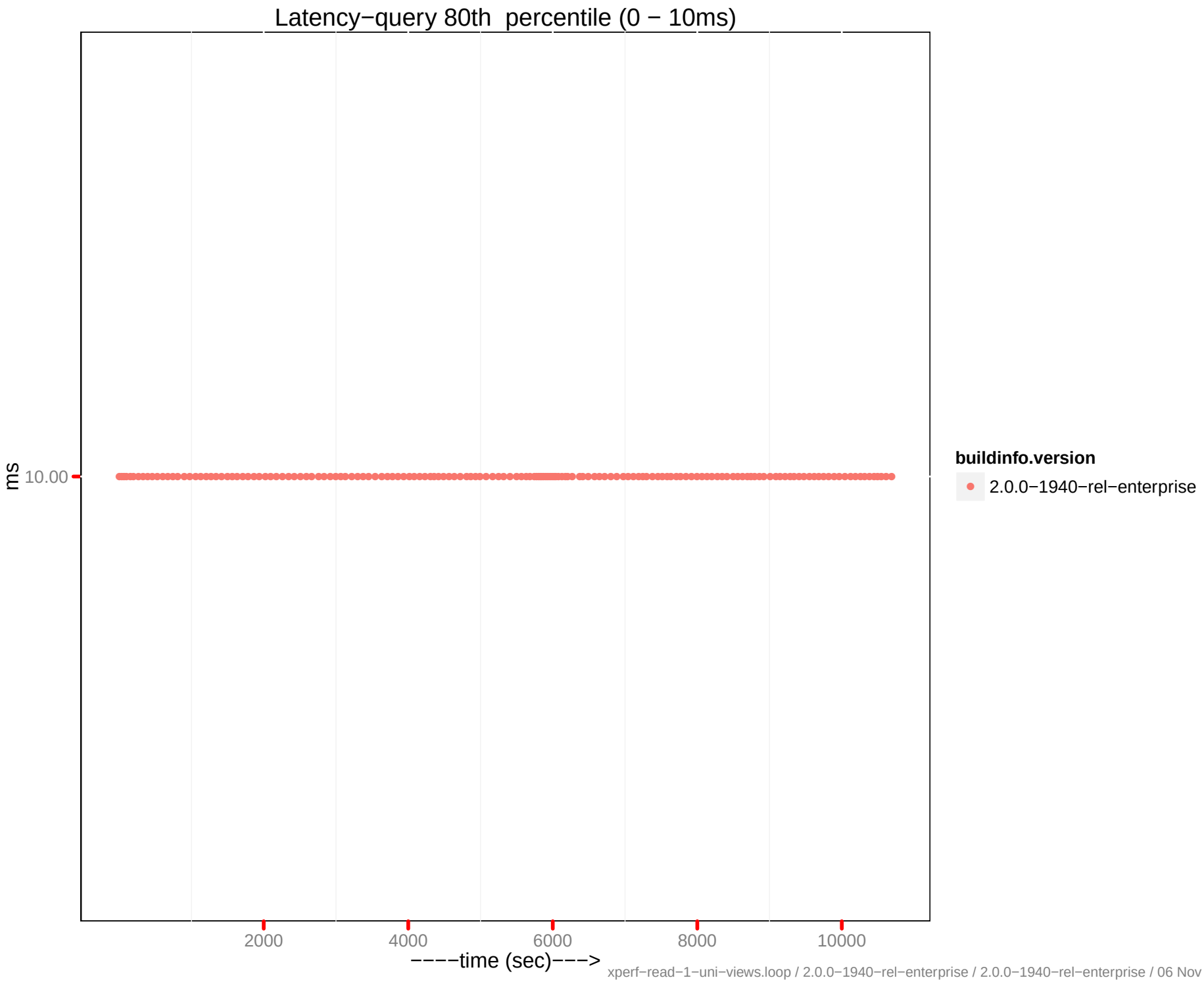

Latency−get 95th percentile
0.85
0.8
0.75
0.7
0.65
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

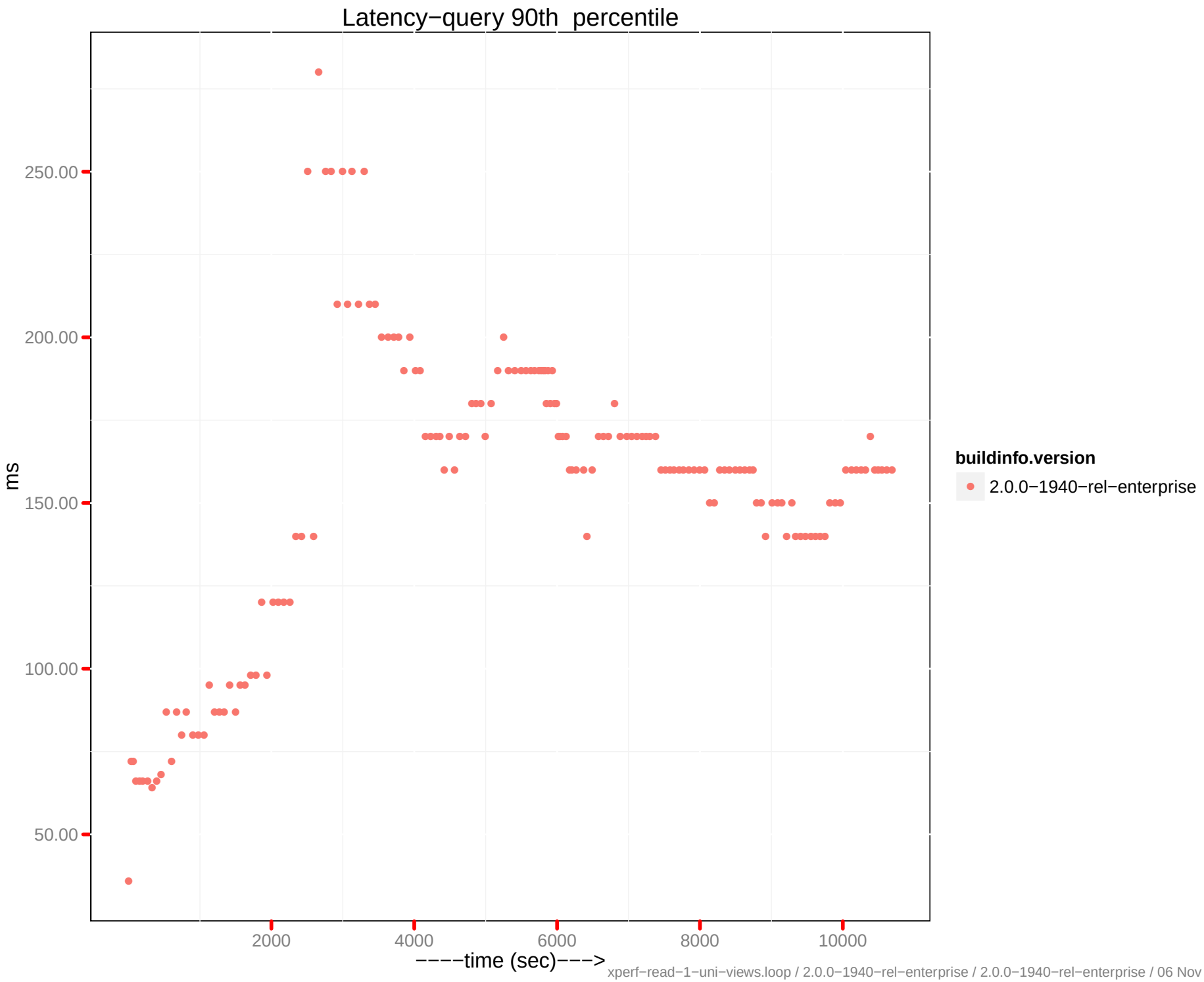

Latency−get 95th percentile (0 − 10ms)
0.85
0.8
0.75
0.7
0.65
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

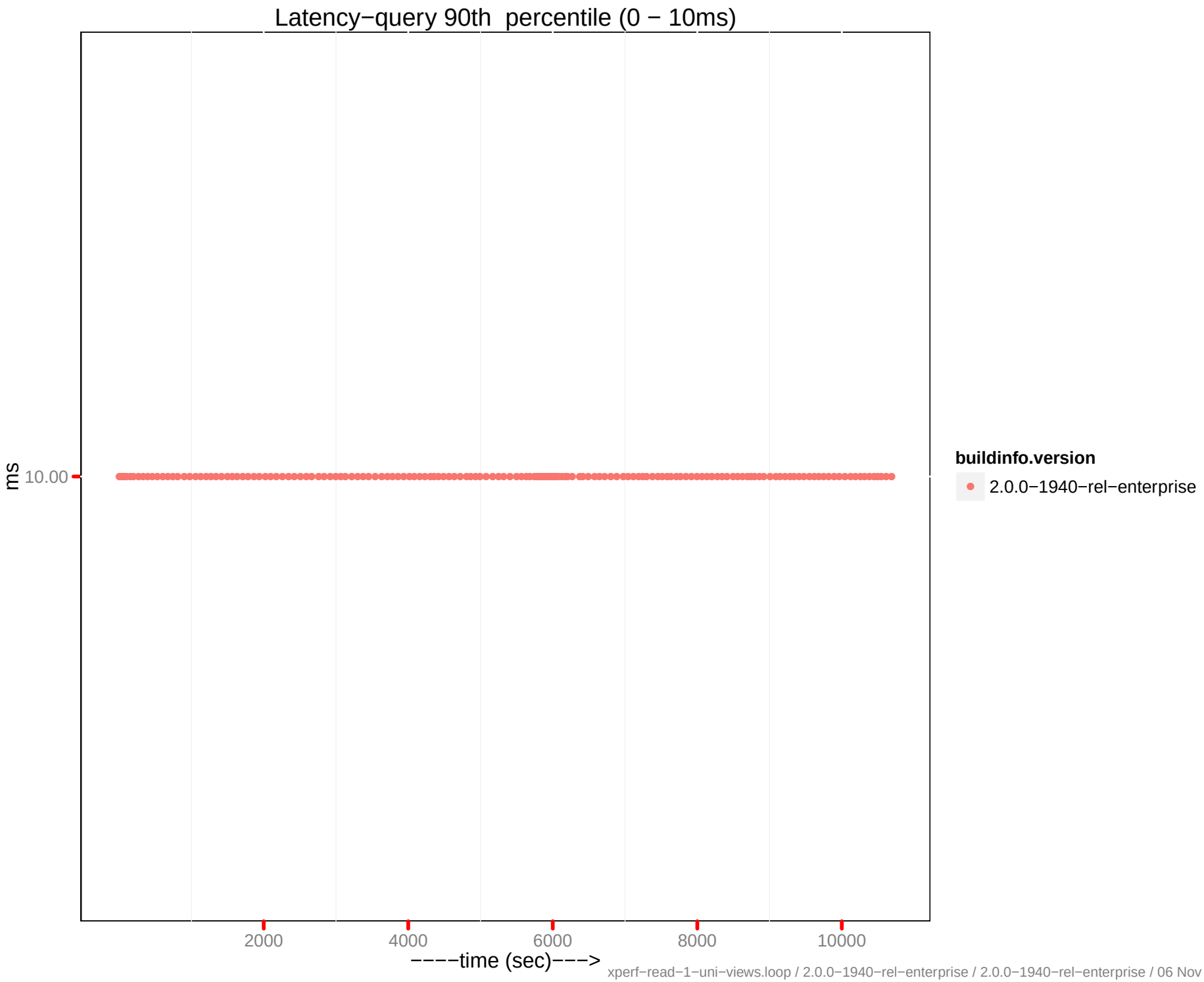

Latency−get 99th percentile
2.60
2.40
2.20
2.00
1.80
1.60
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

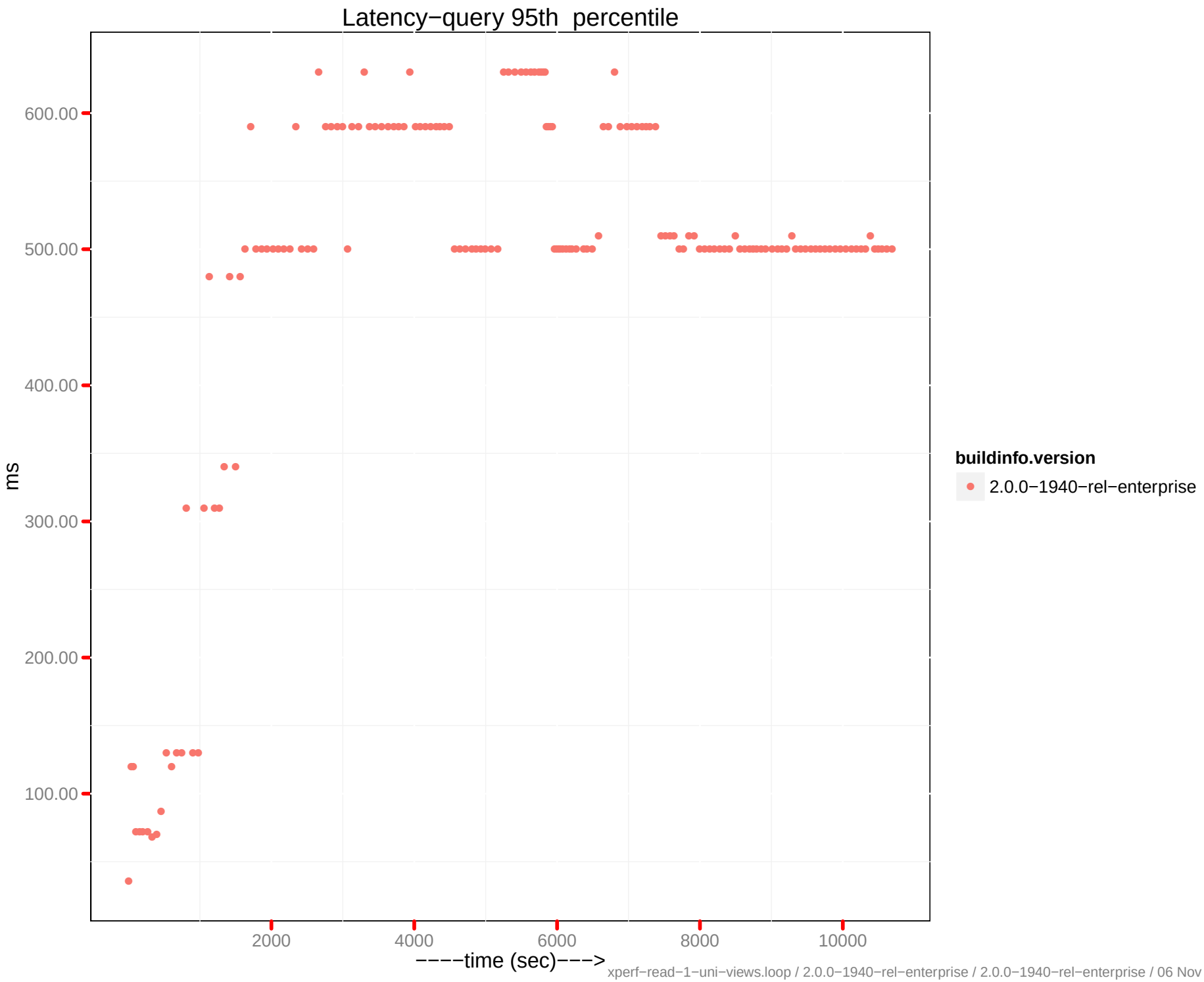

Latency−get 99th percentile (0 − 10ms)
2.60
2.40
2.20
2.00
1.80
1.60
ms
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

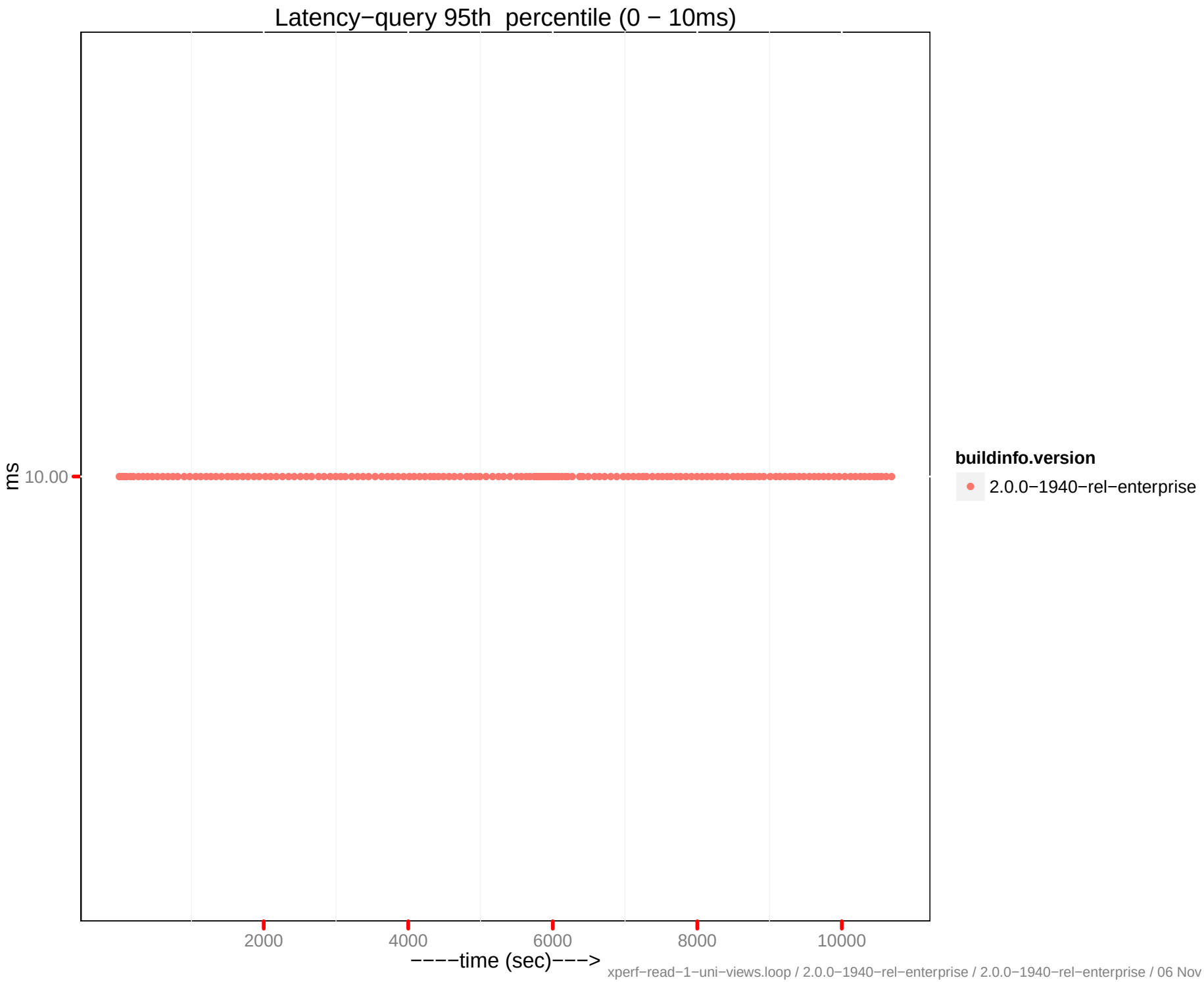

Latency−query 80th percentile
70.00
60.00
50.00
40.00
ms
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

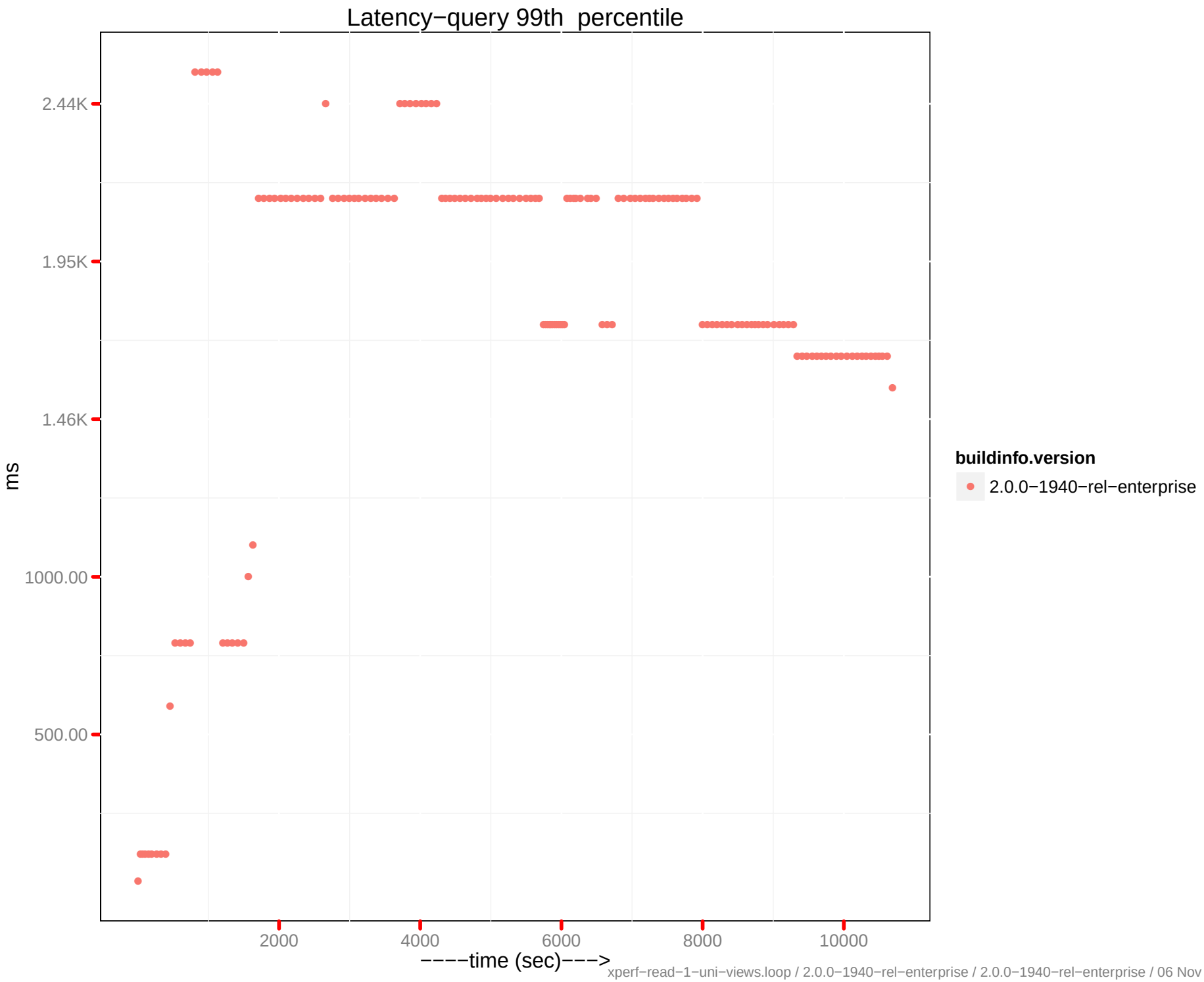

Latency−query 80th percentile (0 − 10ms)
ms
10.00
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

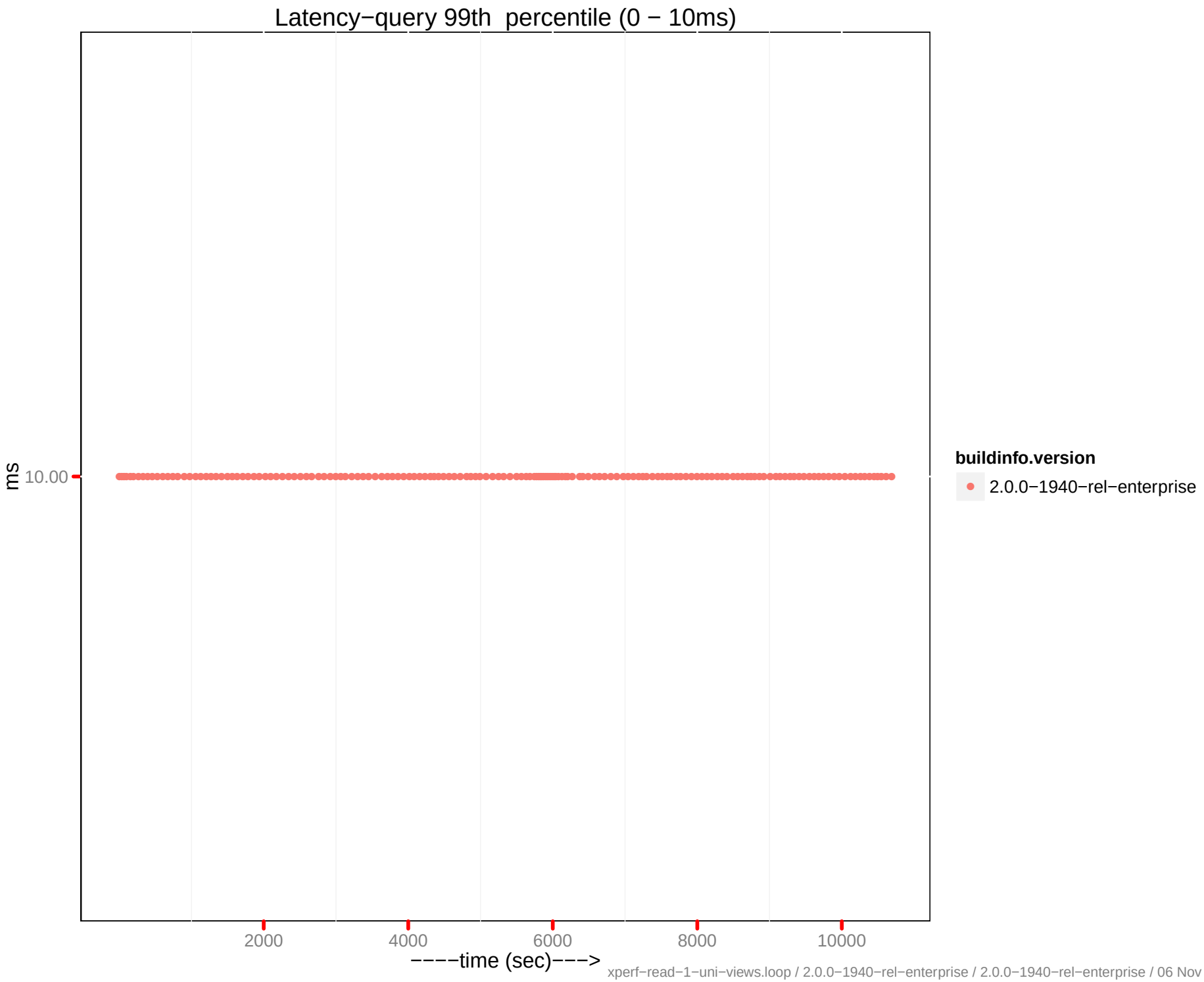

Latency−query 90th percentile
250.00
200.00
150.00
100.00
50.00
ms
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

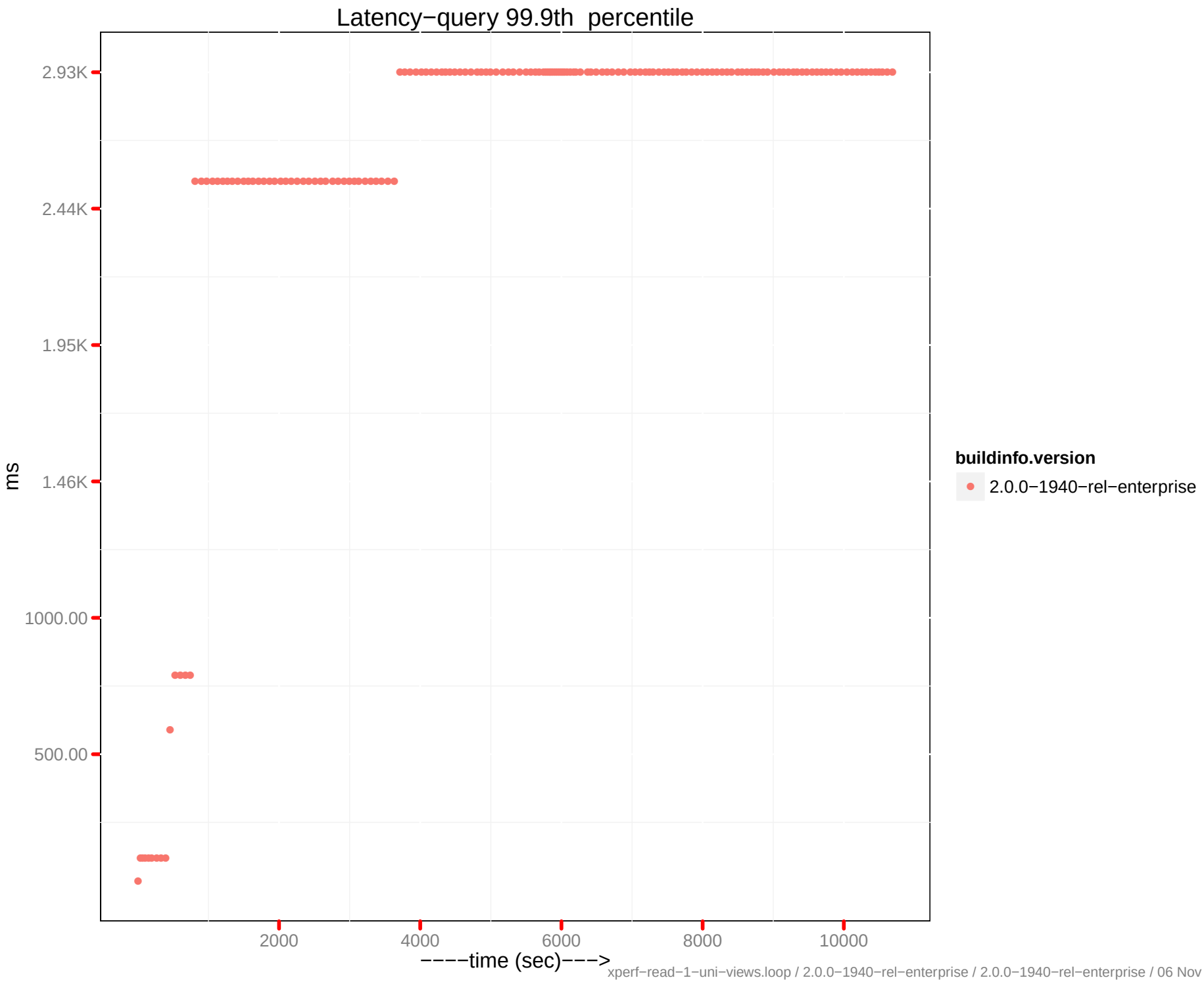

Latency−query 90th percentile (0 − 10ms)
ms
10.00
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

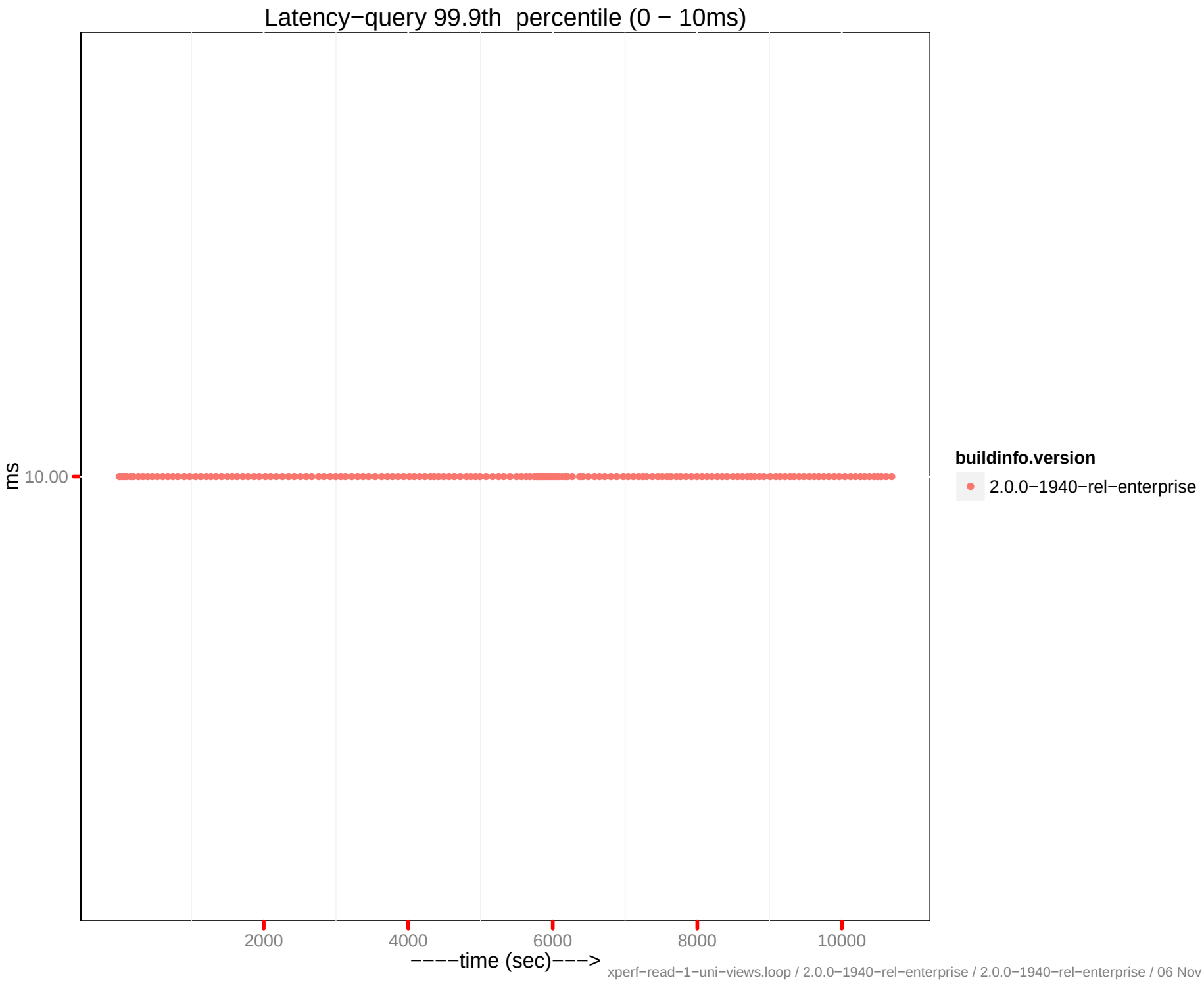

Latency−query 95th percentile
600.00
500.00
400.00
300.00
200.00
100.00
ms
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

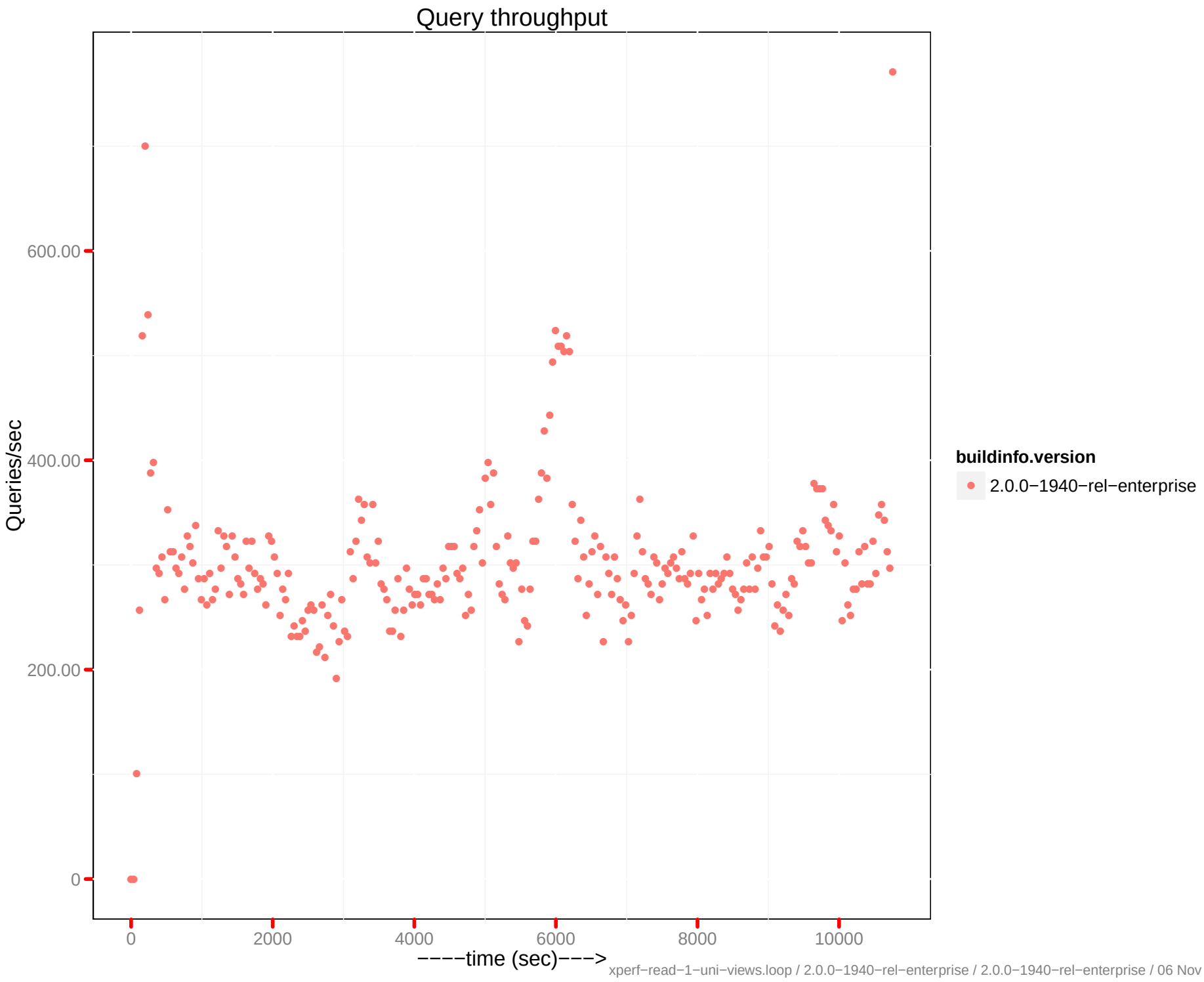

Latency−query 95th percentile (0 − 10ms)
ms
10.00
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

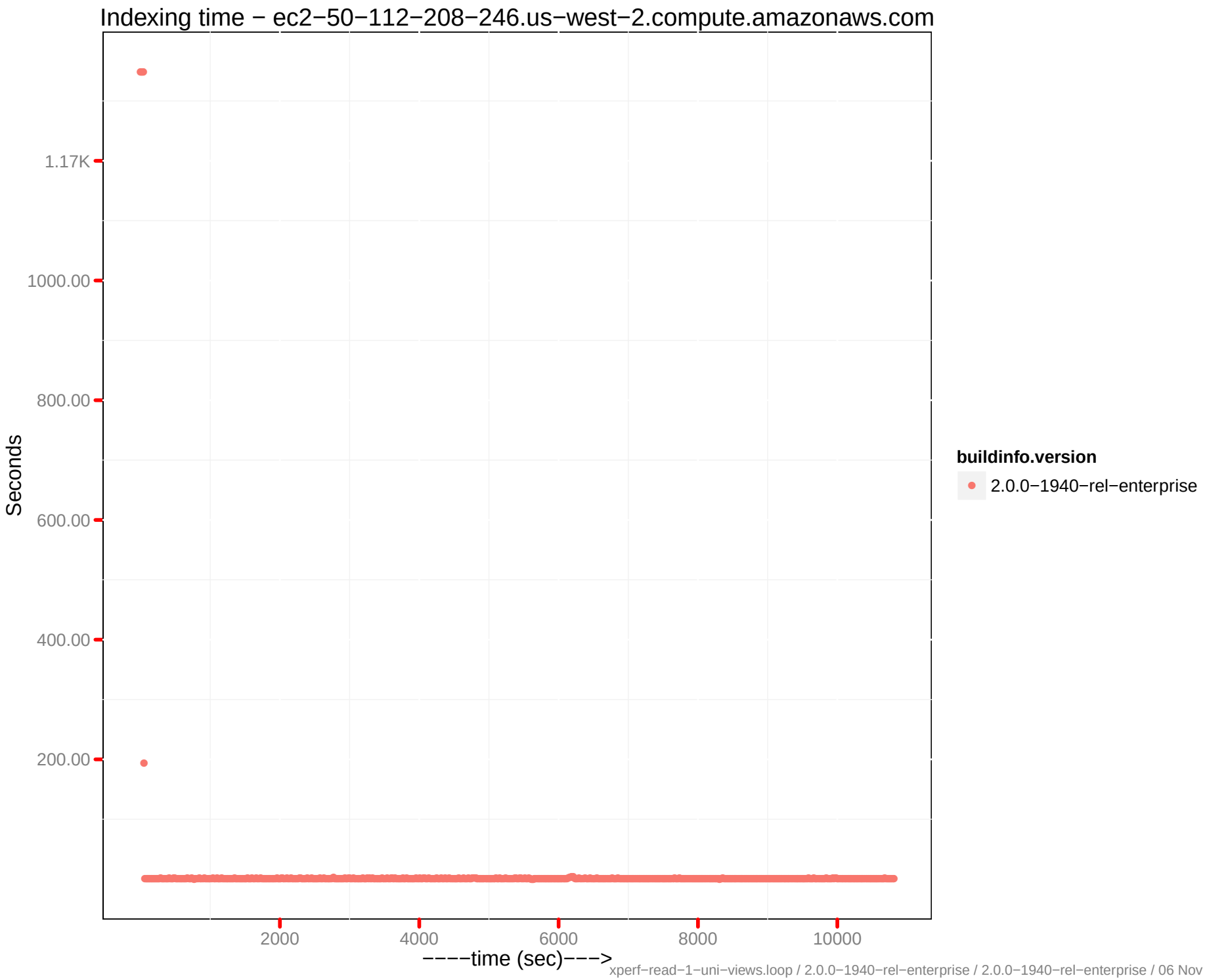

Latency−query 99th percentile
2.44K
1.95K
1.46K
1000.00
500.00
ms
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

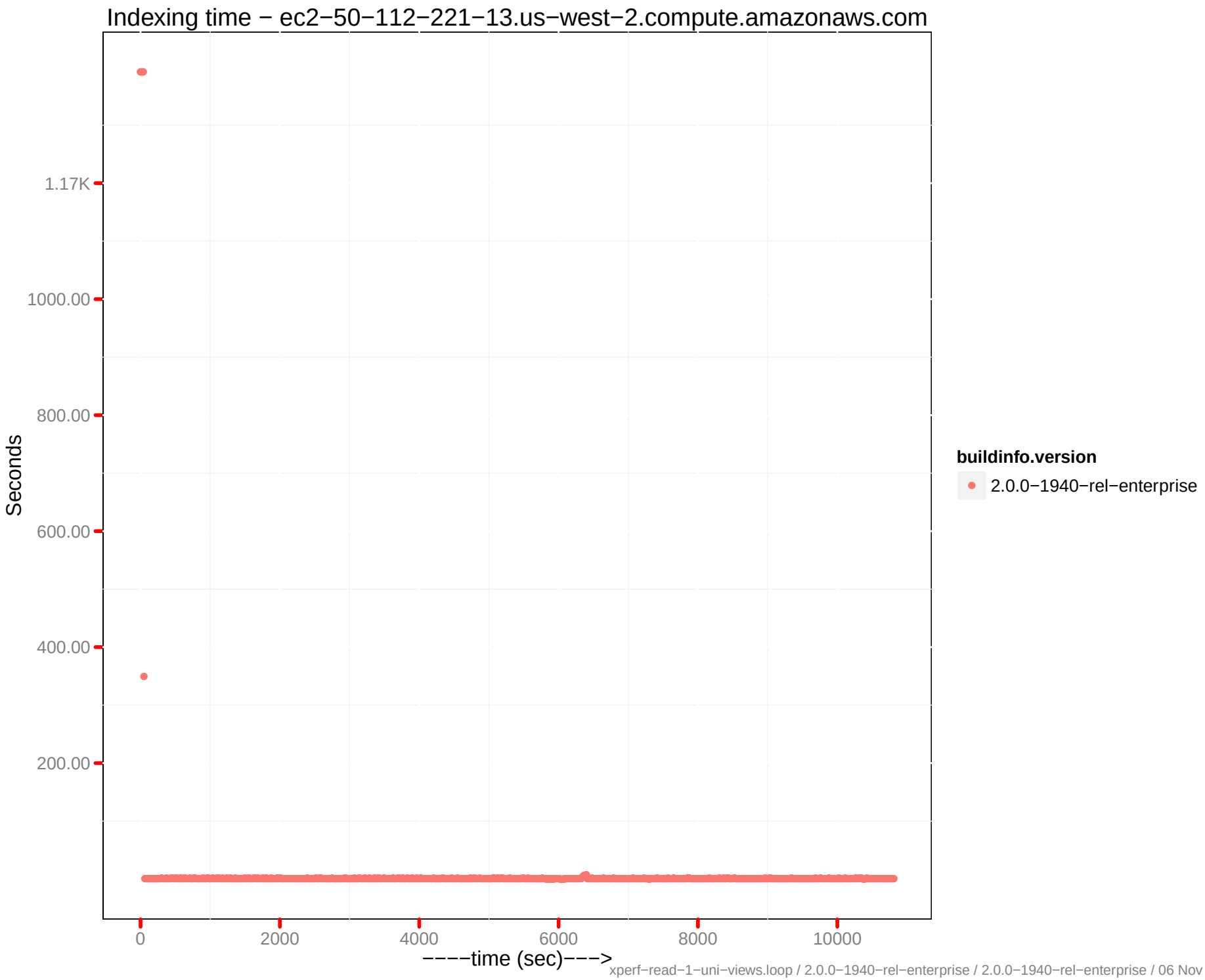

Latency−query 99th percentile (0 − 10ms)
ms
10.00
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

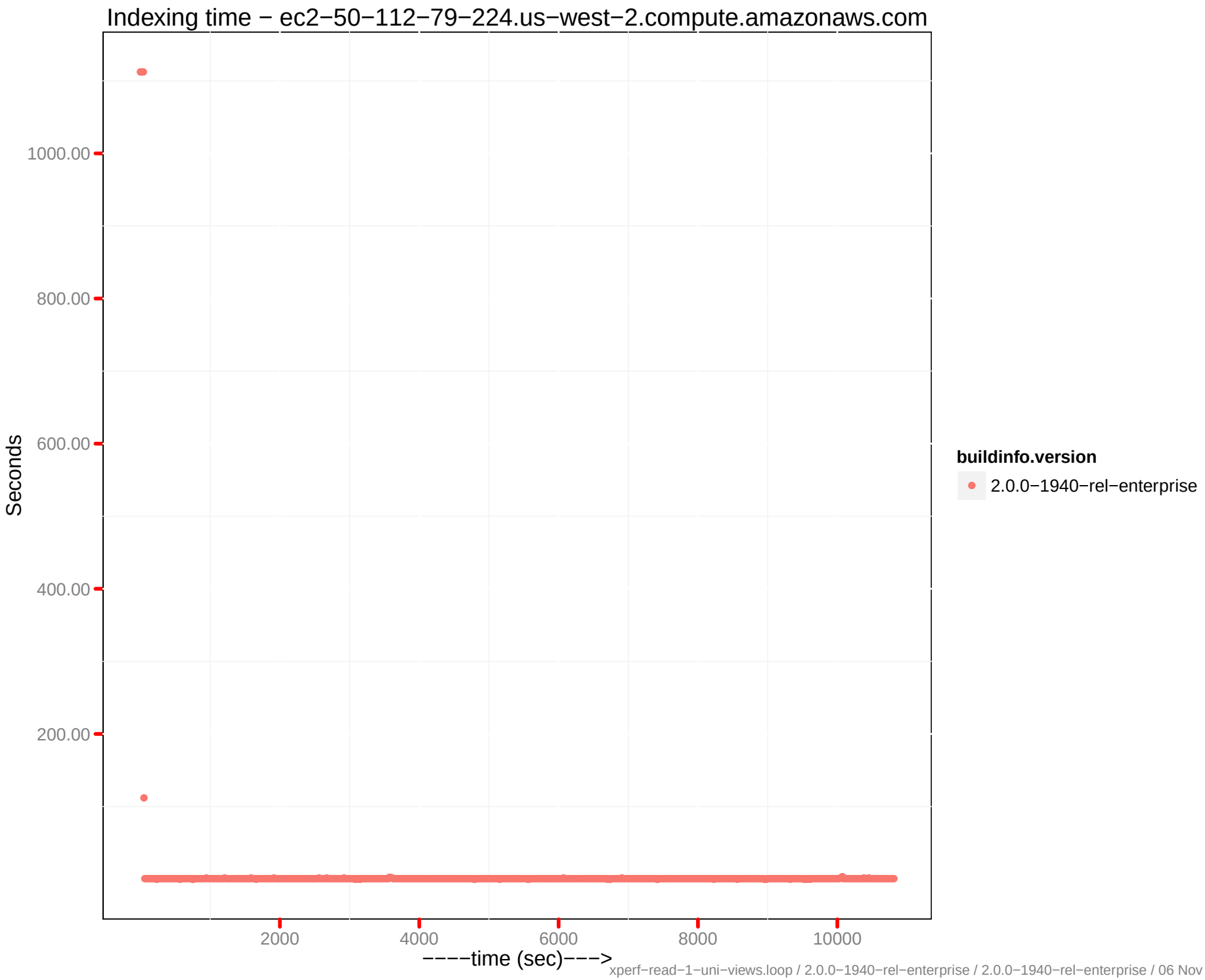

Latency−query 99.9th percentile
2.93K
2.44K
1.95K
1.46K
1000.00
500.00
ms
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

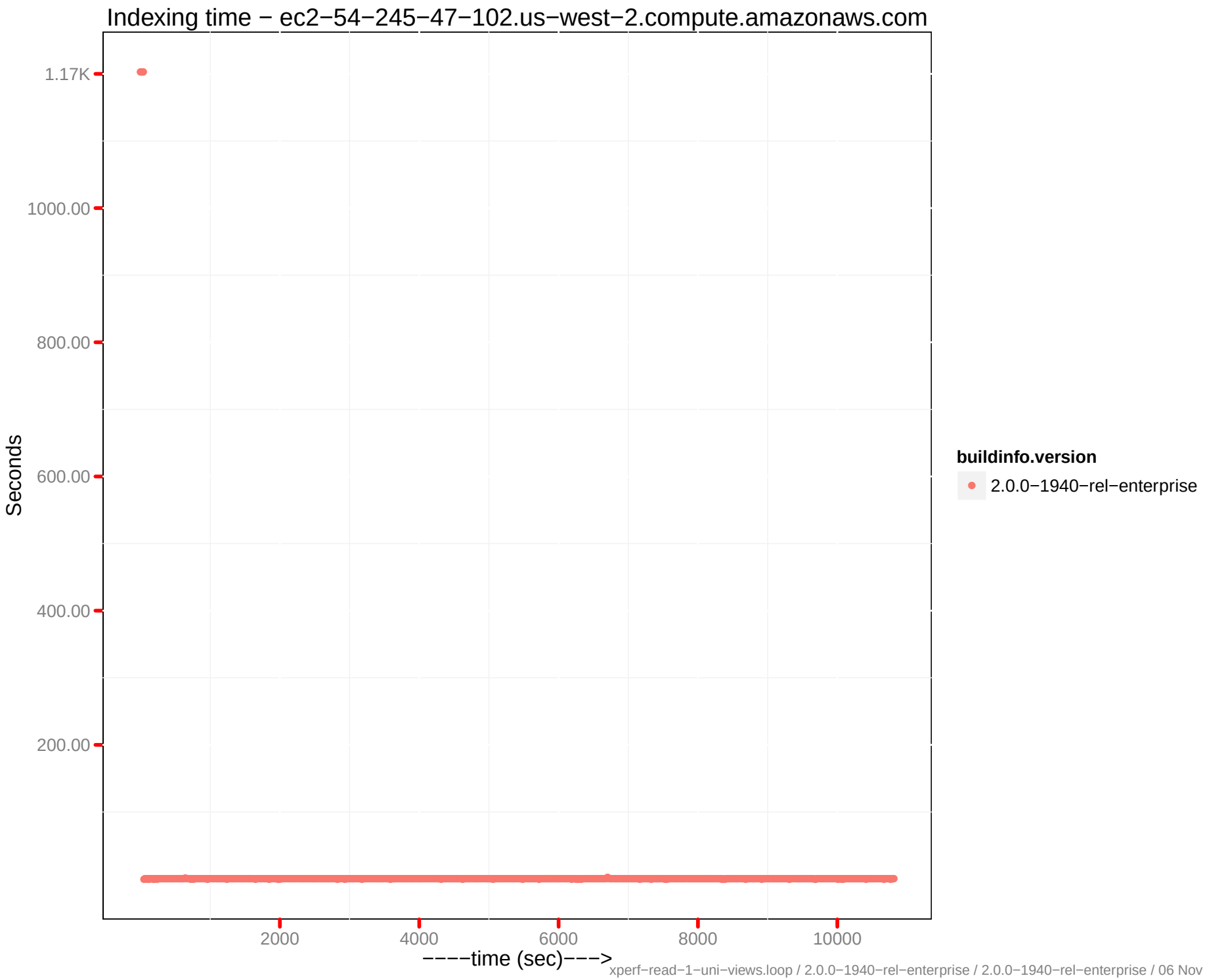

Latency−query 99.9th percentile (0 − 10ms)
ms
10.00
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

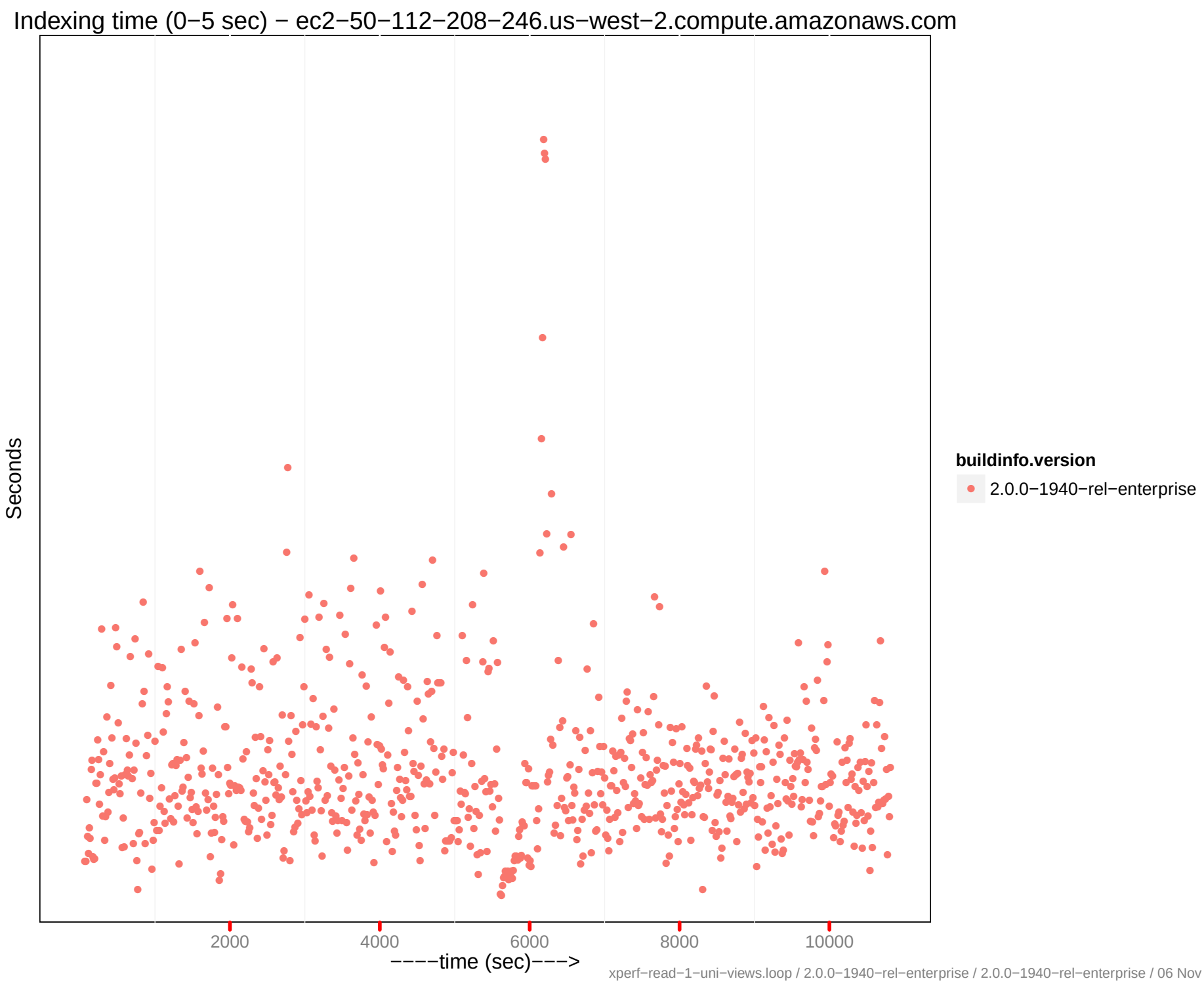

Query throughput
Queries/sec
600.00
400.00
200.00
0
0
2000
4000
6000
8000
10000
----time (sec)--->
buildinfo.version
2.0.0-1940-rel-enterprise
xperf-read-1-uni-views.loop / 2.0.0-1940-rel-enterprise / 2.0.0-1940-rel-enterprise / 06 Nov 2012

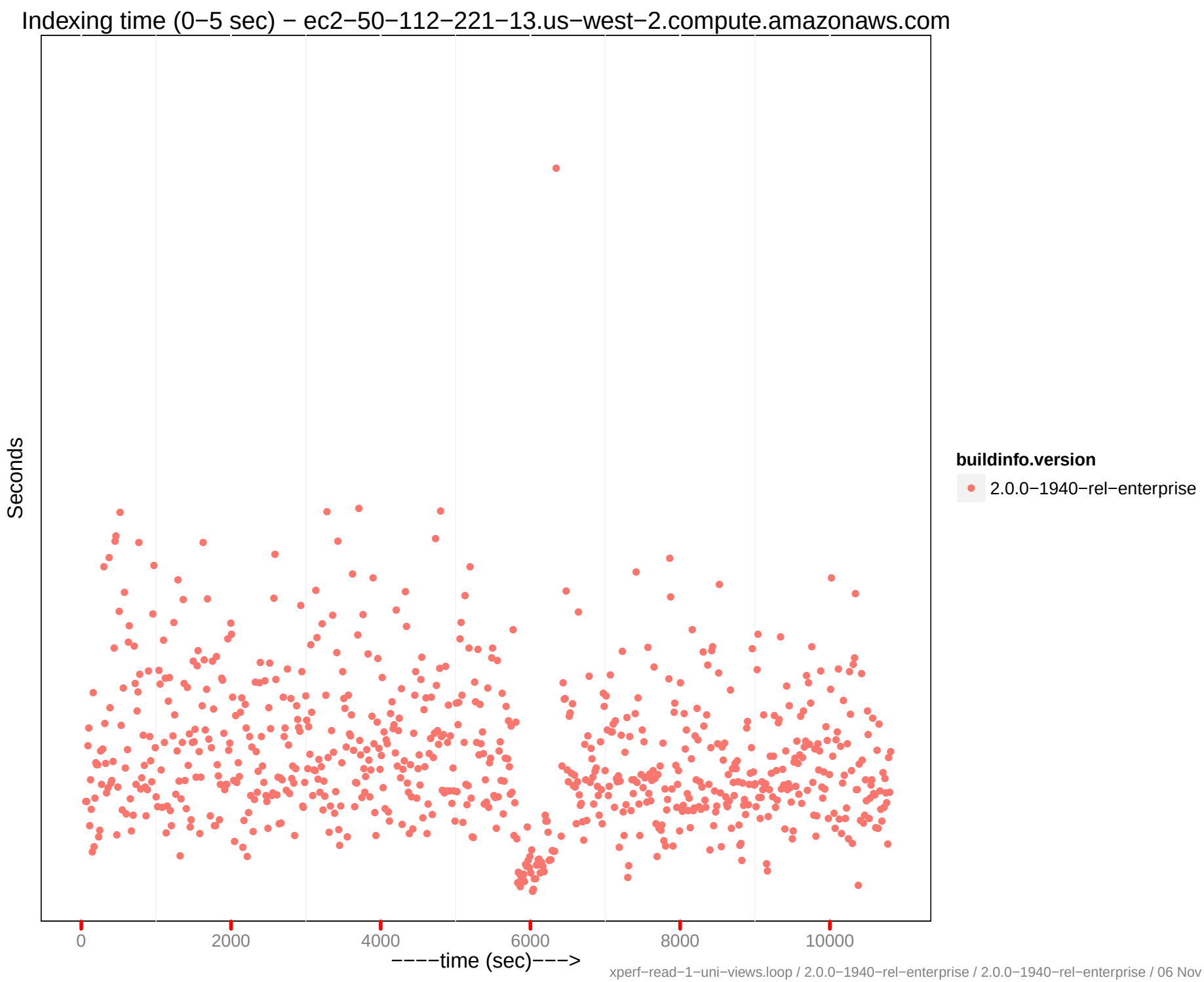

Indexing time − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
1.17K
1000.00
800.00
600.00
400.00
200.00
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

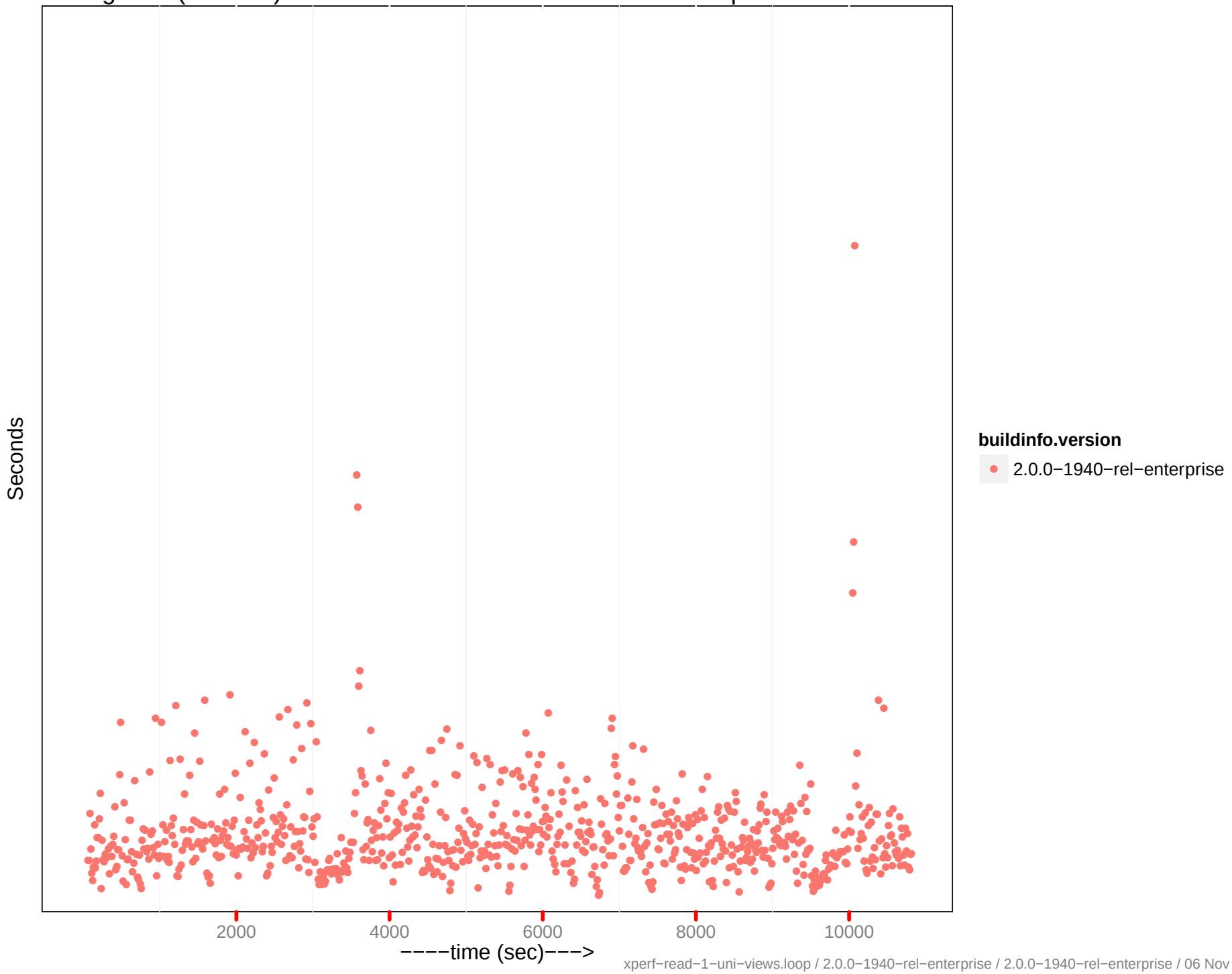

Indexing time − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
1.17K
1000.00
800.00
600.00
400.00
200.00
Seconds
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

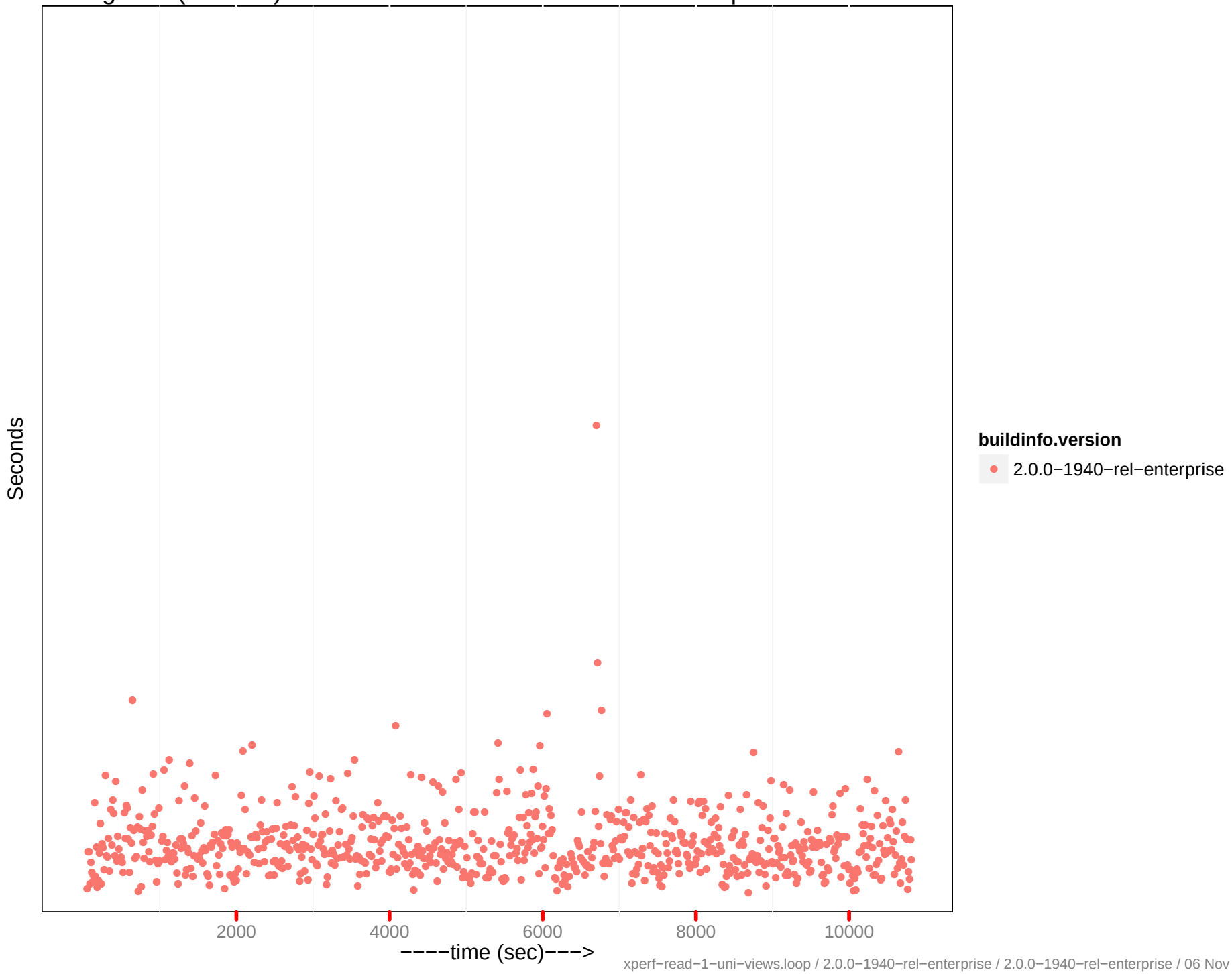

Indexing time − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
1000.00
800.00
600.00
400.00
200.00
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

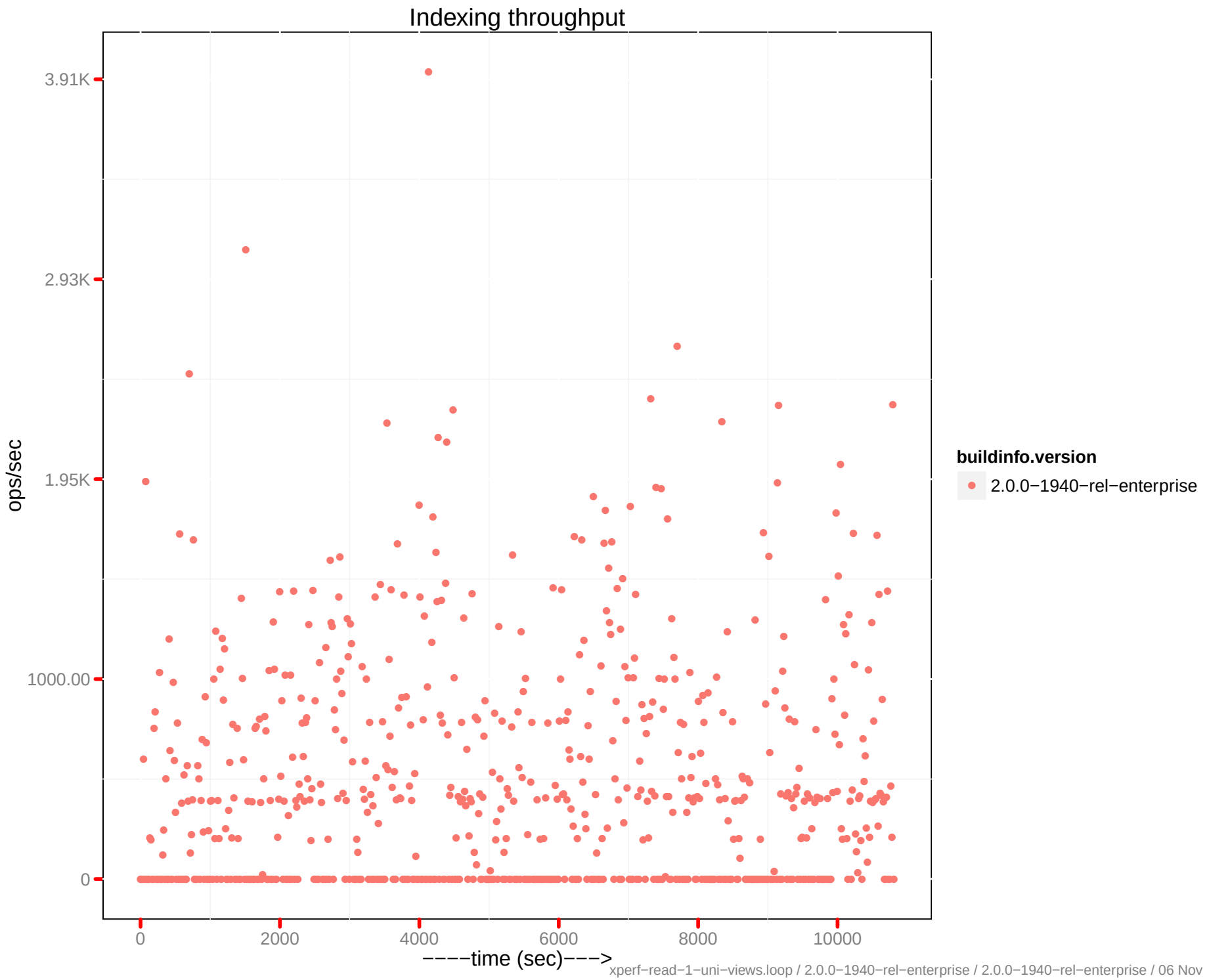

Indexing time − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
1.17K
1000.00
800.00
600.00
400.00
200.00
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012


Indexing time (0−5 sec) − ec2−50−112−208−246.us−west−2.compute.amazonaws.com
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012


Indexing time (0−5 sec) − ec2−50−112−221−13.us−west−2.compute.amazonaws.com
Seconds
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012


Indexing time (0−5 sec) − ec2−50−112−79−224.us−west−2.compute.amazonaws.com
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012


Indexing time (0−5 sec) − ec2−54−245−47−102.us−west−2.compute.amazonaws.com
Seconds
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012


Indexing throughput
3.91K
2.93K
1.95K
1000.00
0
ops/sec
0
2000
4000
6000
8000
10000
−−−−time (sec)−−−>
buildinfo.version
2.0.0−1940−rel−enterprise
xperf−read−1−uni−views.loop / 2.0.0−1940−rel−enterprise / 2.0.0−1940−rel−enterprise / 06 Nov 2012

```
xperf-read-1-uni-views.conf
# XPERF test with views:
# 8K ops/sec (background, cluster-wide)
# READ ONLY
# 16 clients per cluster
# 10M dataset
# 3 ddocs with [2-2-4] views
# unidirectional
# 1 bucket
# stop after 3 hours

performance.iperf.XVPerfTests.test_vperf_3d_unidir

params:

# general
batch=50
kind=json
mem_quota=16000

# xdcr
xdcr_num_buckets=1

# load phase
items=10000000
hot_init_items=2000000
wait_for_xdc_replication=1

# access phase
ratio_sets=0.0
ratio_misses=0.025
ratio_creates=0.0
ratio_deletes=0.0
ratio_hot=0.2
ratio_hot_gets=0.95
ratio_hot_sets=0.95
ratio_expirations=0.0
bg_max_ops_per_sec=500
fg_max_ops=8000000000
total_clients=16
time=10800

# 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
```