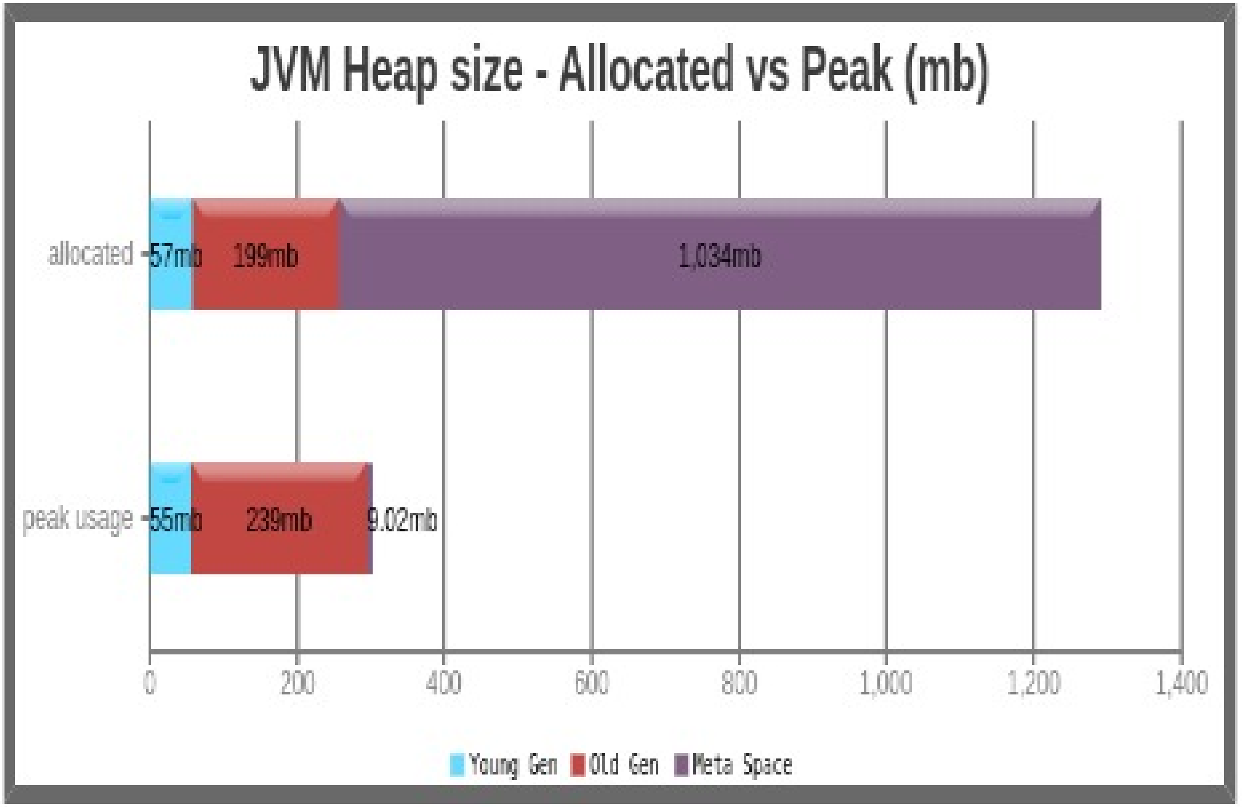
Analysis Report

JVM Heap Size

Generation	Allocated ?	Peak ?
Young Generation	57 mb	55 mb
Old Generation	199 mb	239 mb
Meta Space	1.01 gb	9.02 mb
Young + Old + Meta space	1.26 gb	252.02 mb



Key Performance Indicators

(Important section of the report. To learn more about KPIs, click here)

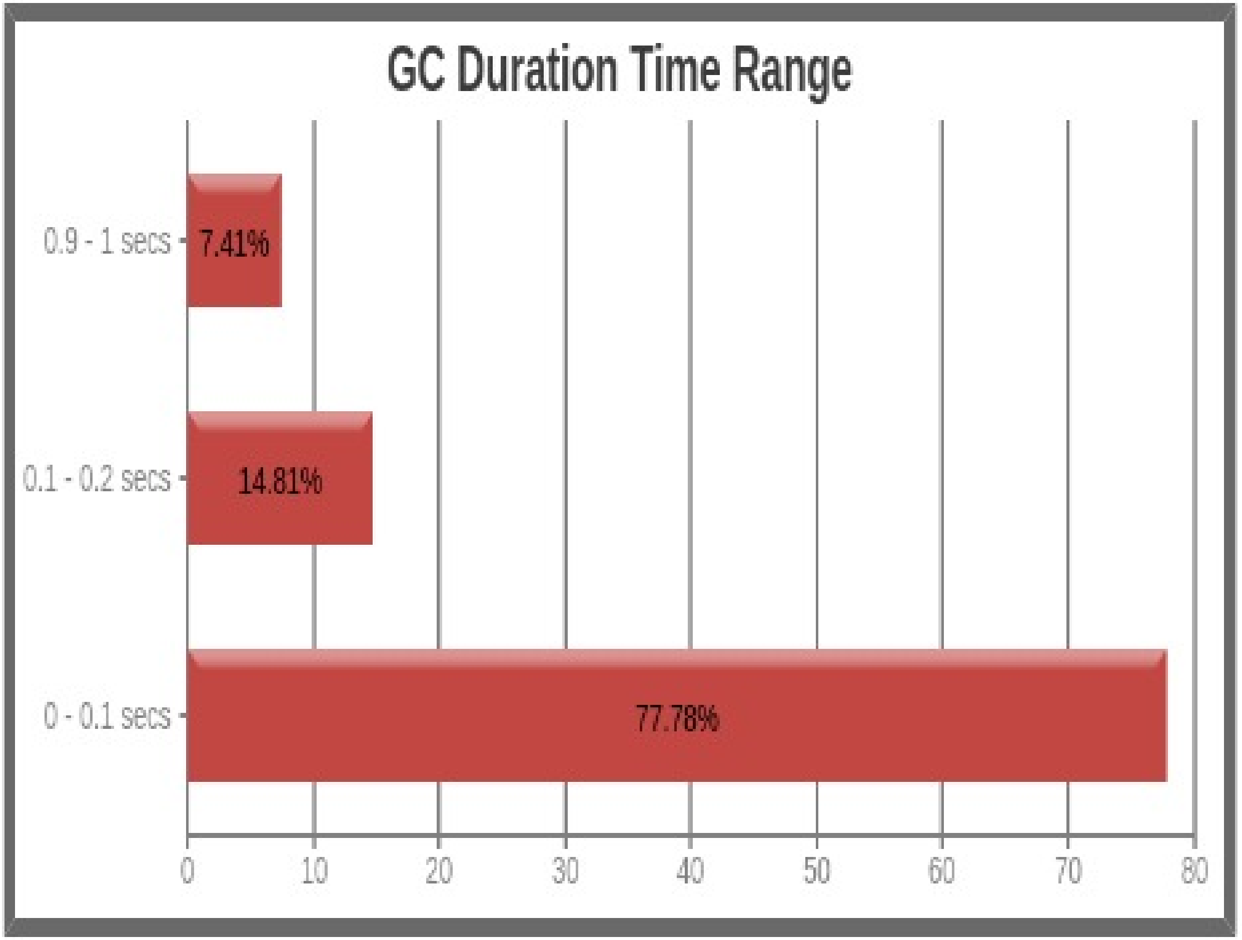
1 Throughput : 98.793%

2 Latency:

Avg Pause GC Time	109 ms
Max Pause GC Time	960 ms

GC **Pause** Duration Time Range:

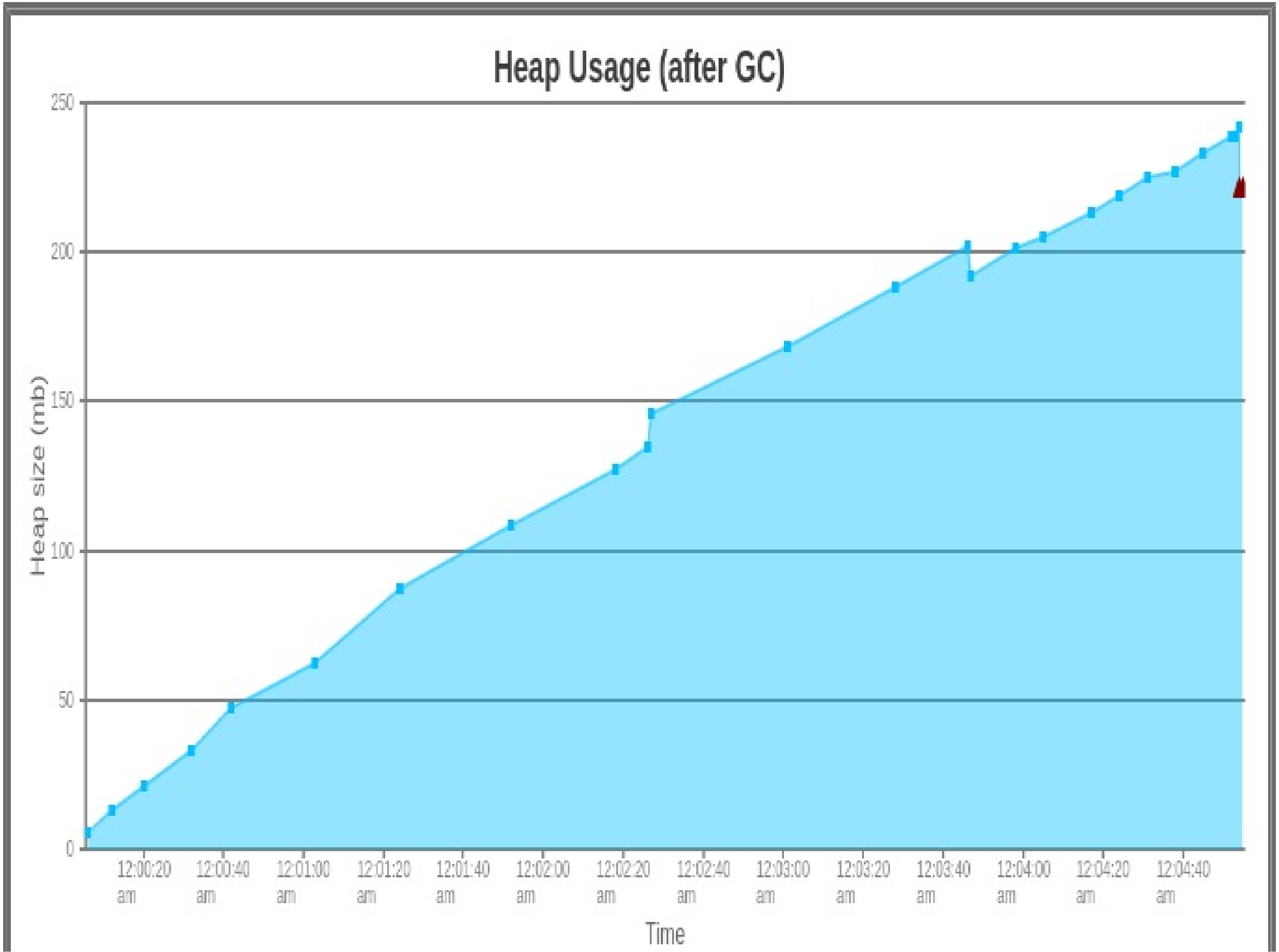
Duration (secs)	No. of GCs	Percentage
0 - 0.1	21	77.778%
0.1 - 0.2	4	92.593%
0.9 - 1	2	100.0%

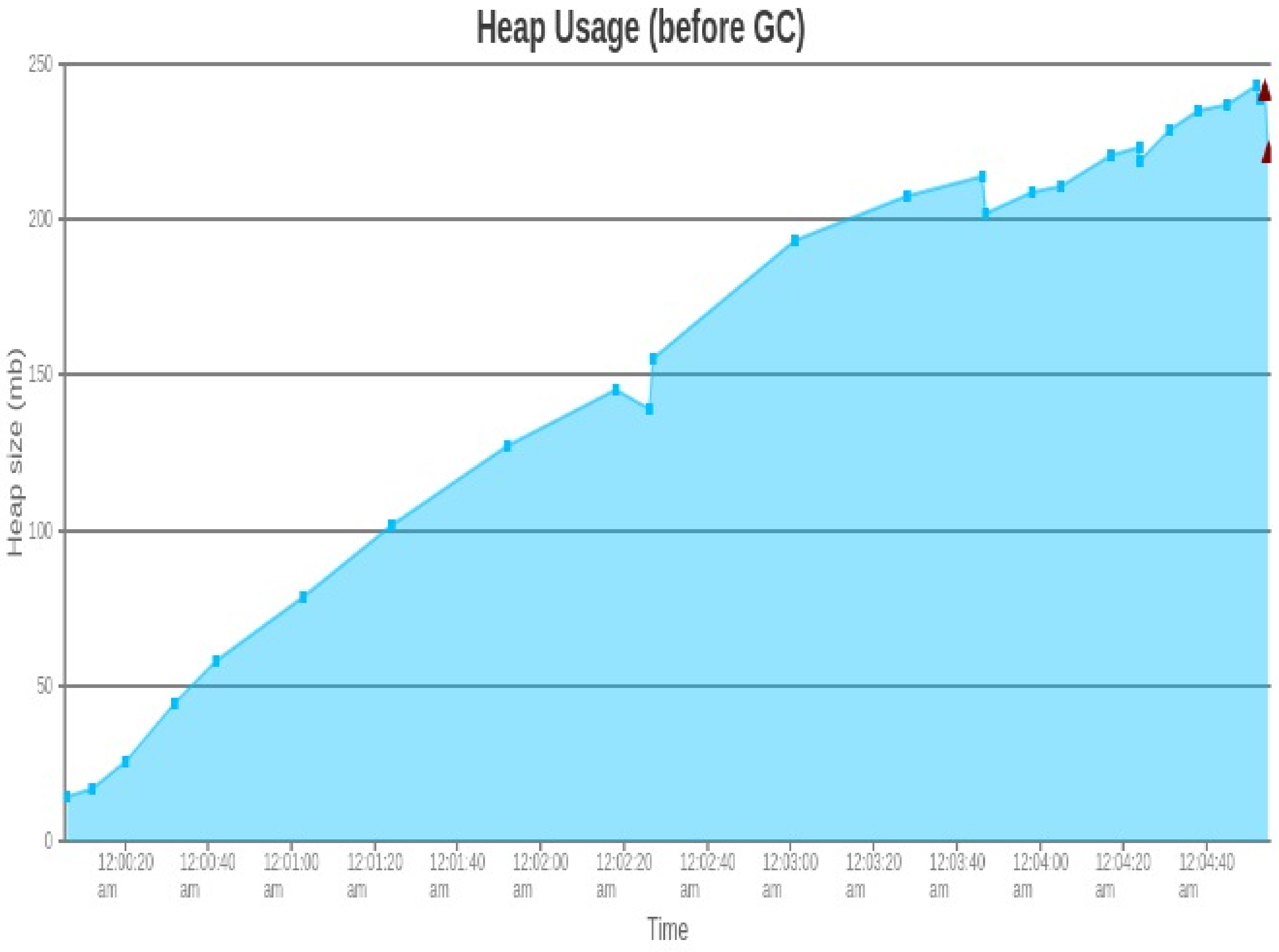


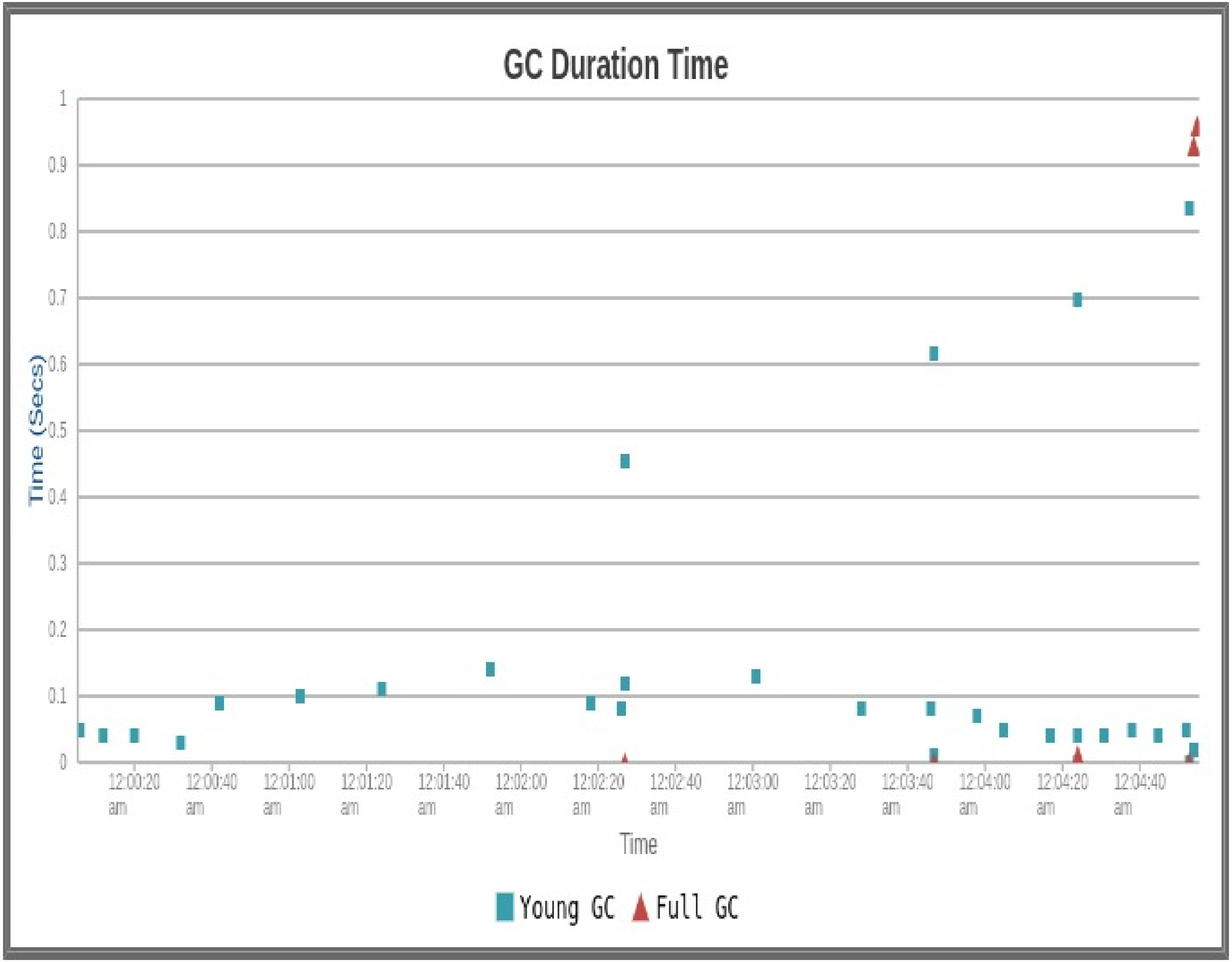
Interactive Graphs

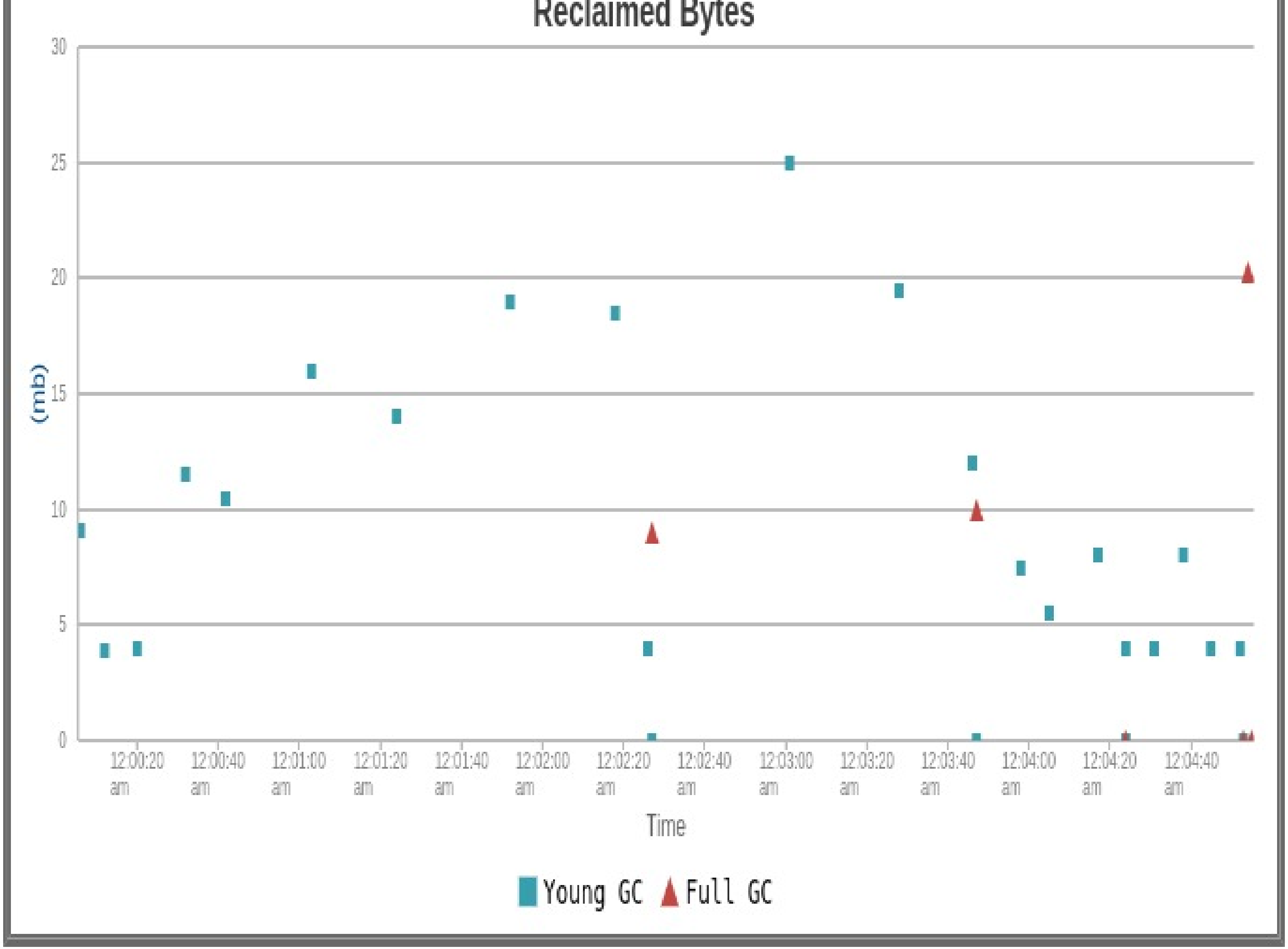
Interactive Graphs

(All graphs are zoomable)

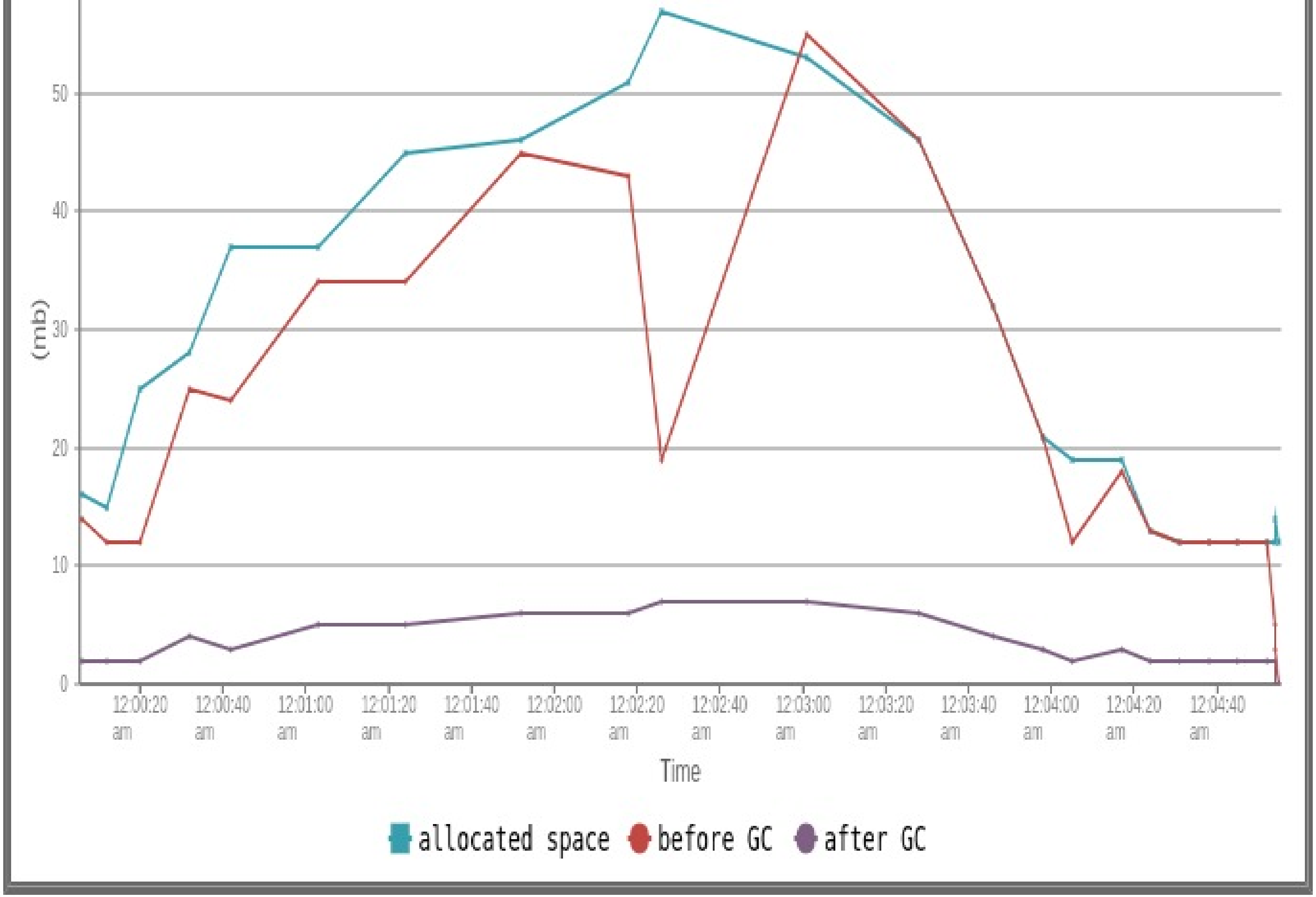


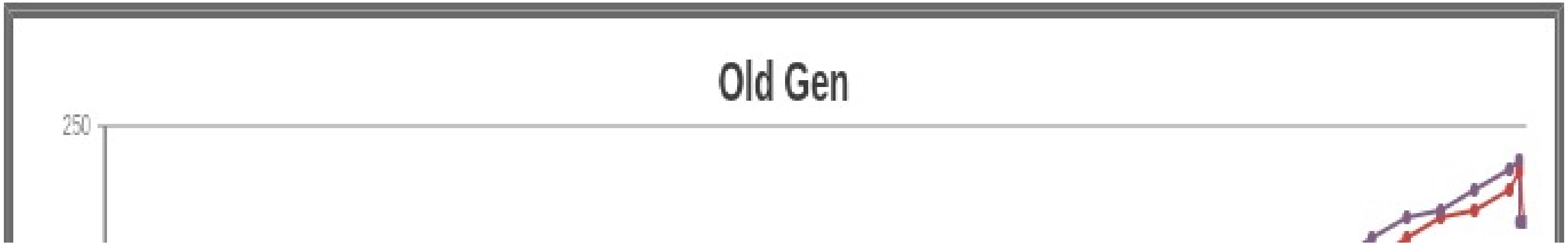

Heap Usage (before GC)
Heap size (mb)
250
200
150
100
50
0
12:00:20 am
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:20 am
12:04:40 am
Time

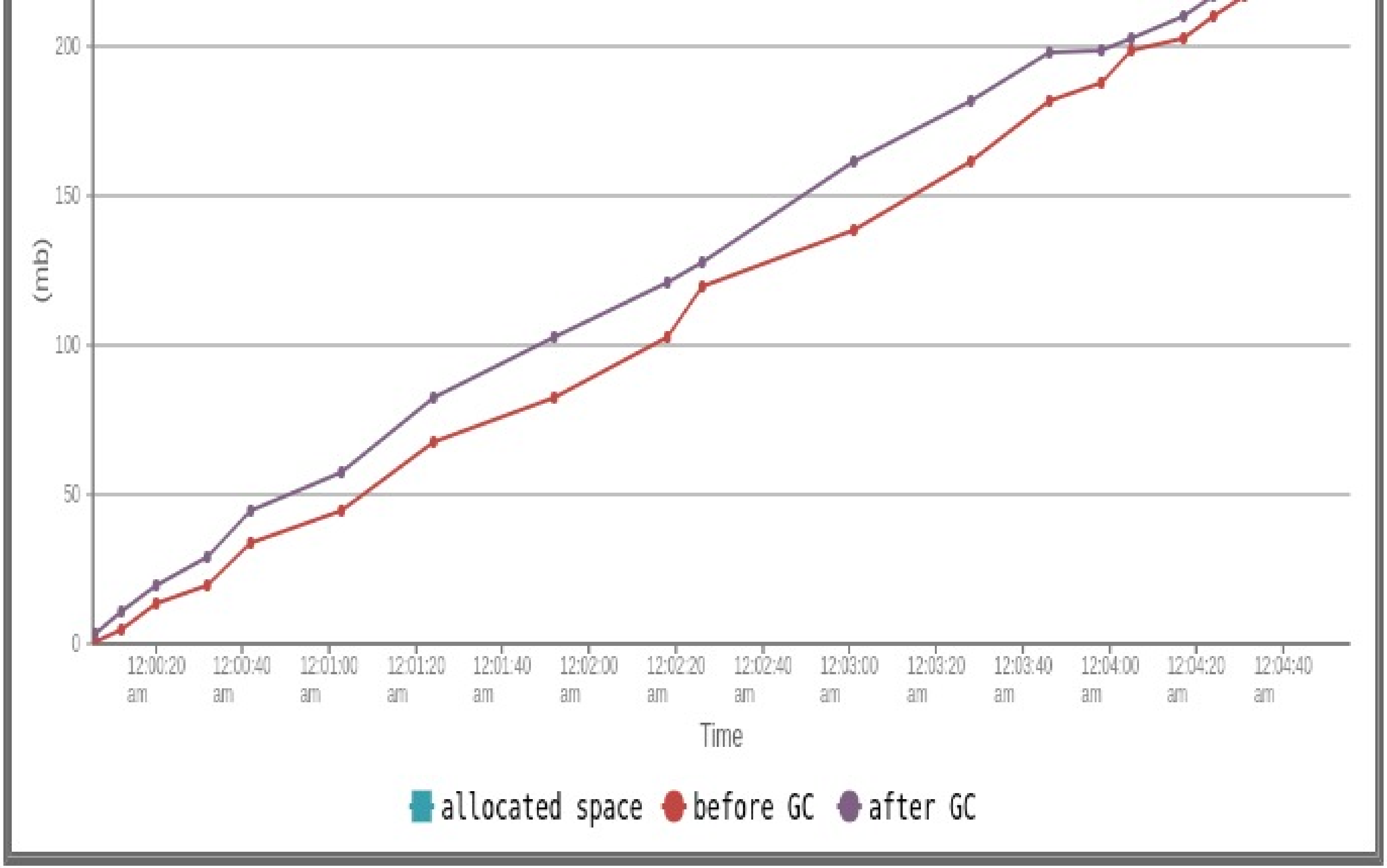

GC Duration Time
Time (Secs)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
12:00:20 am
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:20 am
12:04:40 am
Time
Young GC
Full GC

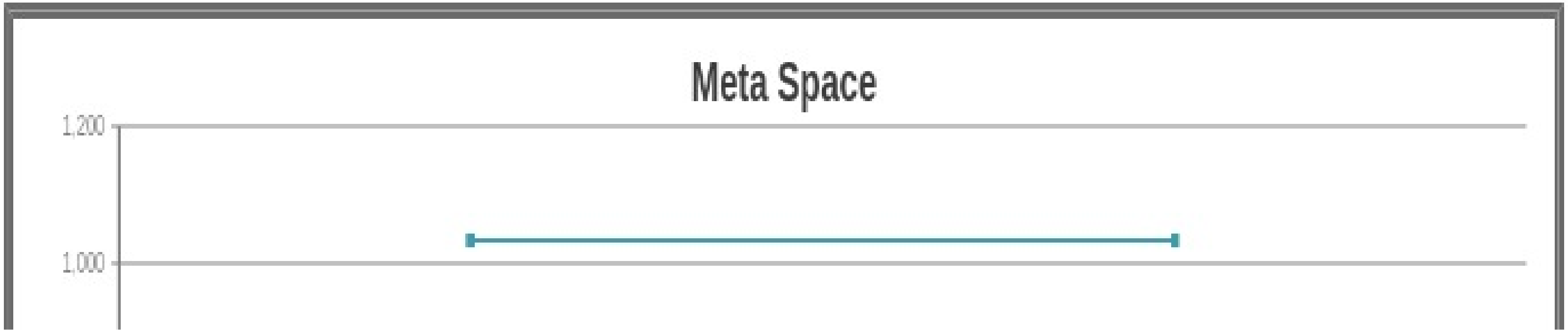

Reclaimed Bytes
30
25
20
15
10
5
0
(mb)
12:00:20 am
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:20 am
12:04:40 am
Time
Young GC
Full GC

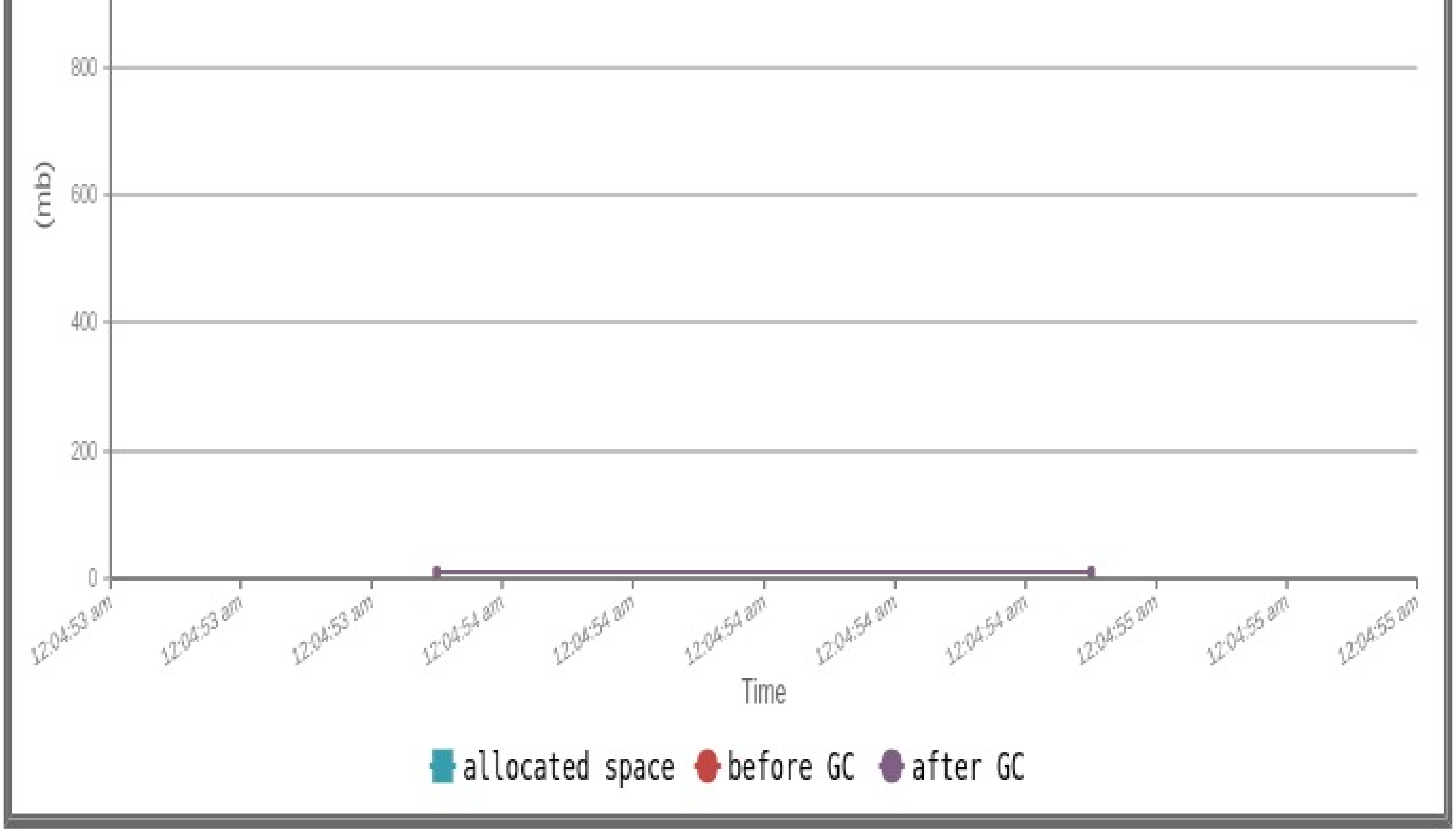
Young Gen
60

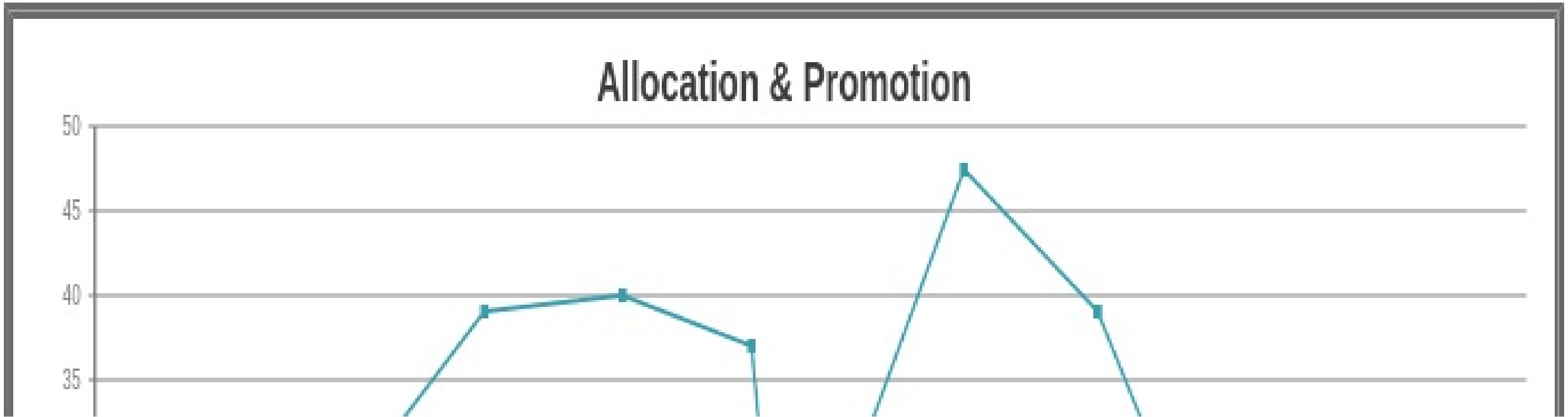

50
40
30
20
10
0
(mb)
12:00:20 am
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:20 am
12:04:40 am
Time
allocated space
before GC
after GC

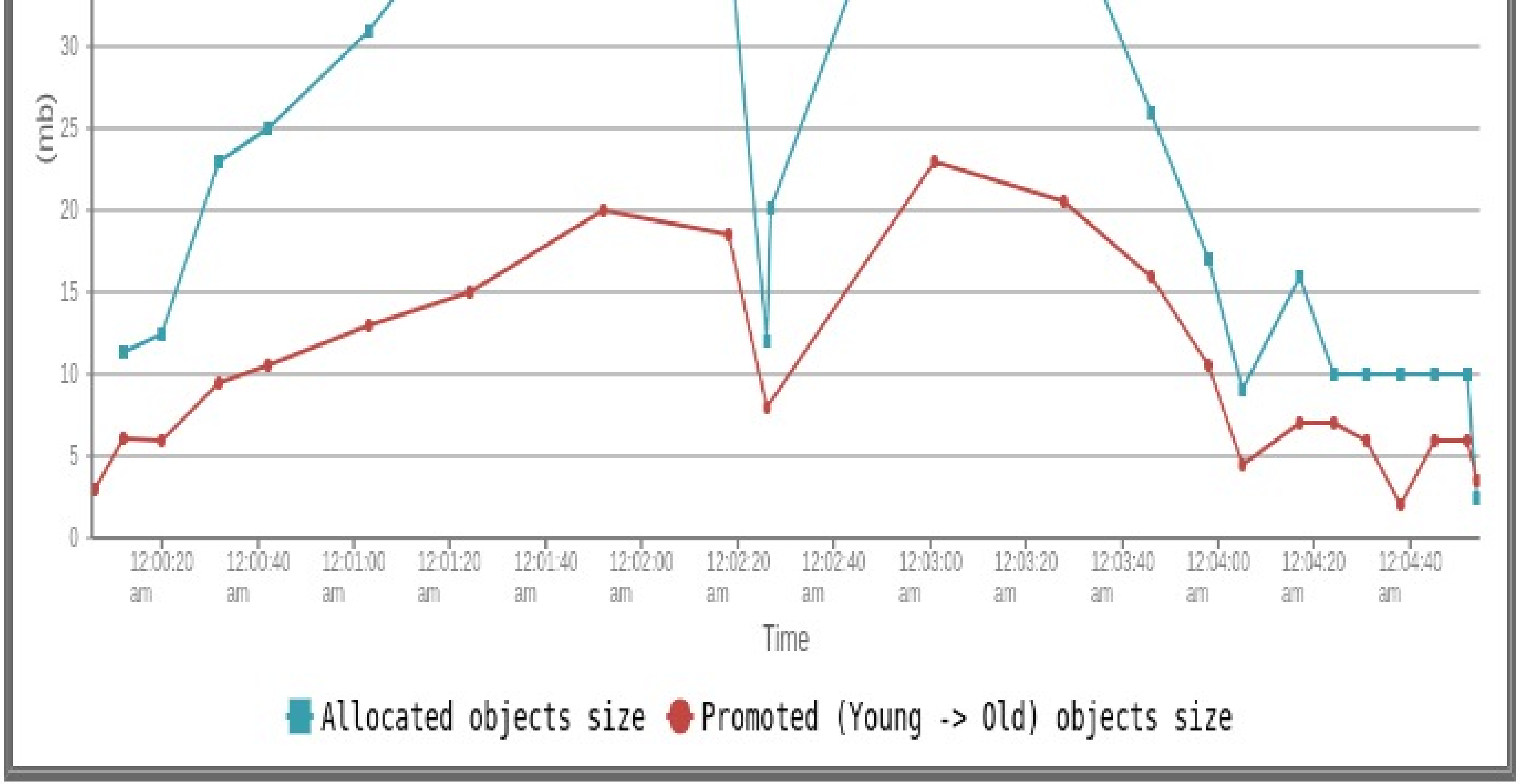

Old Gen
250


200
150
100
50
0
(mb)
12:00:20 am
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:20 am
12:04:40 am
Time
allocated space
before GC
after GC

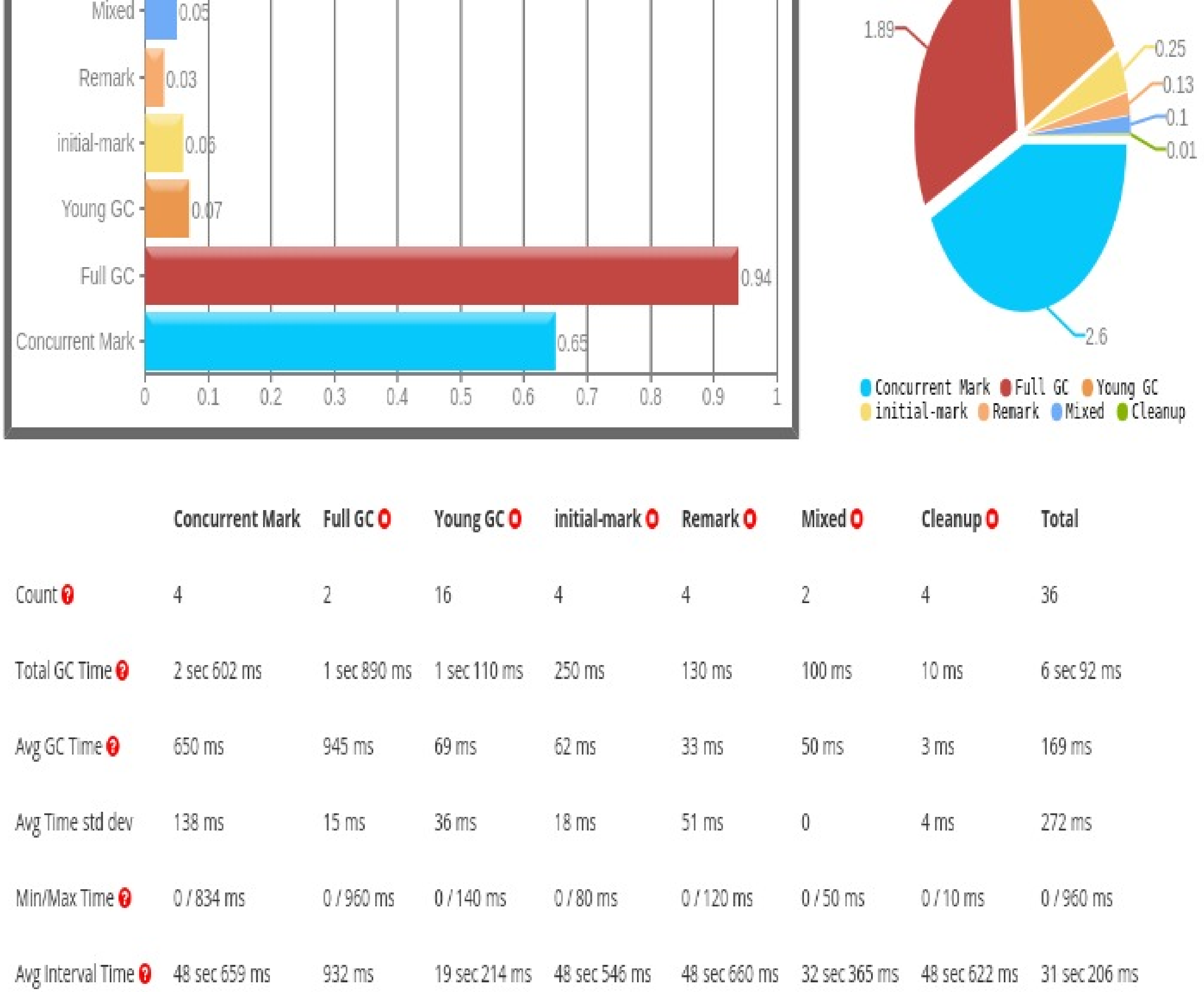

Meta Space
1,200
1,000


800
600
400
200
0
(mb)
12:04:53 am
12:04:53 am
12:04:53 am
12:04:54 am
12:04:54 am
12:04:54 am
12:04:54 am
12:04:54 am
12:04:55 am
12:04:55 am
12:04:55 am
Time
allocated space
before GC
after GC


Allocation & Promotion
50
45
40
35

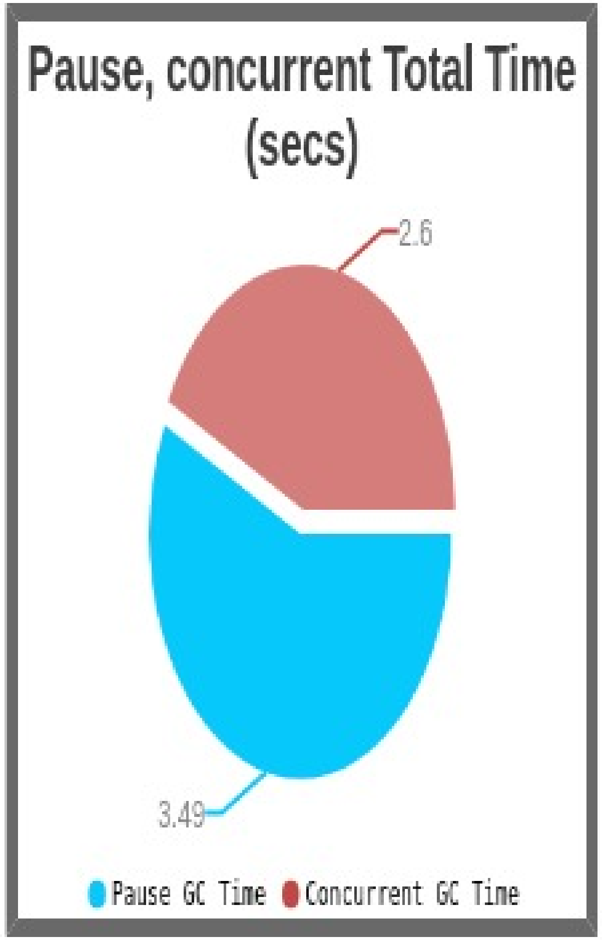


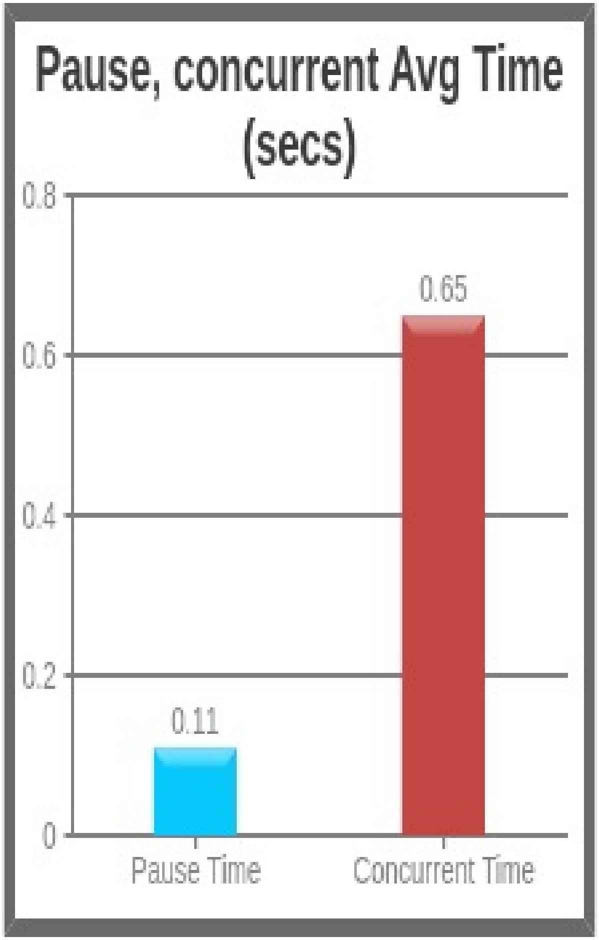
G1 Collection Phases Statistics



	Concurrent Mark	Full GC	Young GC	initial-mark	Remark	Mixed	Cleanup	Total
Count	4	2	16	4	4	2	4	36
Total GC Time	2 sec 602 ms	1 sec 890 ms	1 sec 110 ms	250 ms	130 ms	100 ms	10 ms	6 sec 92 ms
Avg GC Time	650 ms	945 ms	69 ms	62 ms	33 ms	50 ms	3 ms	169 ms
Avg Time std dev	138 ms	15 ms	36 ms	18 ms	51 ms	0	4 ms	272 ms
Min/Max Time	0 / 834 ms	0 / 960 ms	0 / 140 ms	0 / 80 ms	0 / 120 ms	0 / 50 ms	0 / 10 ms	0 / 960 ms
Avg Interval Time	48 sec 659 ms	932 ms	19 sec 214 ms	48 sec 546 ms	48 sec 660 ms	32 sec 365 ms	48 sec 622 ms	31 sec 206 ms

G1 GC Time





Pause Time ❓

Total Time	3 sec 490 ms

Concurrent Time ❓

Total Time	2 sec 602 ms

Avg Time	109 ms
Std Dev Time	219 ms
Min Time	0
Max Time	960 ms

Avg Time	650 ms
Std Dev Time	138 ms
Min Time	453 ms
Max Time	834 ms

Object Stats

(These are perfect micro-metrics to include in your performance reports)

Total created bytes ❓	472.48 mb
Total promoted bytes ❓	221.52 mb
Avg creation rate ❓	1.63 mb/sec
Avg promotion rate ❓	784 kb/sec

Memory Leak

No major memory leaks.

(**Note:** there are 8 flavours of OutOfMemoryErrors. With GC Logs you can diagnose only 5 flavours of them(Java heap space, GC overhead limit exceeded, Requested array size exceeds VM limit, Permgen space, Metaspace). So in other words, your application could be still suffering from memory leaks, but need other tools to diagnose them, not just GC Logs.)

Consecutive Full GC

None.

Long Pause

None.

Safe Point Duration

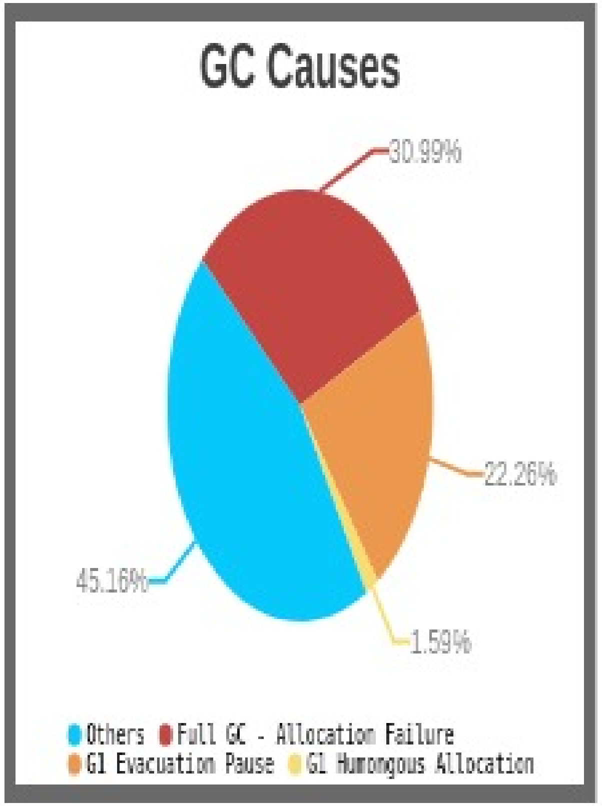
(To learn more about SafePoint duration, click here)

Not Reported in the log.

GC Causes

(What events caused the GCs, how much time it consumed?)

Cause	Count	Avg Time	Max Time	Total Time	Time %
Others	12	n/a	n/a	2 sec 751 ms	45.16%
Full GC - Allocation Failure	2	944 ms	957 ms	1 sec 888 ms	30.99%
G1 Evacuation Pause	20	68 ms	140 ms	1 sec 356 ms	22.26%
G1 Humongous Allocation	2	48 ms	79 ms	97 ms	1.59%
Total	36	n/a	n/a	6 sec 92 ms	100.0%



Tenuring Summary ?

Not reported in the log.

Command Line Flags ?

```
-XX:GCLogFileSize=10485760 -XX:InitialHeapSize=268435456 -XX:MaxHeapSize=268435456 -XX:+PrintGC -XX:+PrintGCDetails -XX:+PrintGCTimeStamps -
XX:+UseCompressedClassPointers -XX:+UseCompressedOops -XX:+UseG1GC
```