

```
#####
Starting S.M.A.R.T. read at: Tue May  2 09:46:37 UTC 2023
#####
```

```
=====
openSeaChest_Info - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_Info Version: 2.1.2-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May  2 09:46:37 2023      User: root
=====
```

```
/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA
```

```
.
===Device Statistics===
```

```
  * = condition monitored with threshold (DSN Feature)
  ! = monitored condition met
  - = supports notification (DSN Feature)
```

Statistic Name:	Threshold:	Value:
-----------------	------------	--------

```
---General Statistics---
```

LifeTime Power-On Resets	N/A	37
Power-On Hours	N/A	24800 hours
Logical Sectors Written	N/A	161211136579
Number Of Write Commands	N/A	231787700
Logical Sectors Read	N/A	617936109068
Number Of Read Commands	N/A	1081258745
Date And Time Timestamp	N/A	Invalid

```
---Rotating Media Statistics---
```

Spindle Motor Power-On Hours	N/A	2734659548 hours
Head Flying Hours	N/A	2734659192 hours
Head Load Events	N/A	2370
Number Of Reallocated Logical Sectors	N/A	0
Read Recovery Attempts	N/A	0
Number Of Mechanical Start Failures	N/A	0
Number Of Reallocation Candidate Logical Sectors	N/A	0
Number Of High Priority Unload Events	N/A	919

```
---General Errors Statistics---
```

Number Of Reported Uncorrectable Errors	N/A	0
Number Of Resets Between Command Acceptance and Completion	N/A	0
---Temperature Statistics---		
Current Temperature	N/A	30 C
Average Short Term Temperature	N/A	27 C
Average Long Term Temperature	N/A	28 C
Highest Temperature	N/A	42 C
Lowest Temperature	N/A	0 C
Highest Average Short Term Temperature	N/A	36 C
Lowest Average Short Term Temperature	N/A	24 C
Highest Average Long Term Temperature	N/A	32 C
Lowest Average Long Term Temperature	N/A	24 C
Time In Over Temperature	N/A	0 minutes
Specified Maximum Operating Temperature	N/A	60 C
Time In Under Temperature	N/A	1 hour 30 minutes
Specified Minimum Operating Temperature	N/A	5 C
---Transport Statistics---		
Number Of Hardware Resets	N/A	34
Number Of ASR Events	N/A	34
Number Of Interface CRC Errors	N/A	0

qmDebugAddParam:

Grown Defects	N/A	0
---------------	-----	---

#####

=====

```

openSeaChest_Info - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_Info Version: 2.1.2-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May  2 09:46:38 2023      User: root
=====

```

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

#	Attribute Name:	Status:	Current:	Worst:	Thresh:	Raw (hex):
*	1 Read Error Rate		000Fh	50h	40h	2Ch 00000006783460h
*	3 Spin Up Time		0003h	5Bh	5Bh	00h 00000000000000h
	4 Start/Stop Count		0032h	64h	64h	14h 00000000000025h

*	5 Retired Sectors Count	0033h	64h	64h	0Ah	00000000000000h
*	7 Seek Error Rate	000Fh	5Dh	3Ch	2Dh	0000007605CD0Ah
	9 Power On Hours	0032h	48h	48h	00h	000000000060E0h
*	10 Spin Retry Count	0013h	64h	64h	61h	00000000000000h
	12 Drive Power Cycle Count	0032h	64h	64h	14h	00000000000025h
	184 IOEDC Count	0032h	64h	64h	63h	00000000000000h
	187 Reported Un-correctable	0032h	64h	64h	00h	00000000000000h
	188 Command Timeout	0032h	64h	64h	00h	00000000000000h
	189 High Fly Writes	003Ah	64h	64h	00h	00000000000000h
	190 Airflow Temperature	0022h	46h	3Ah	28h	0000001E19001Eh
	191 Shock Sensor Counter	0032h	50h	50h	00h	0000000000A174h
	192 Emergency Retract Count	0032h	64h	64h	00h	00000000000397h
	193 Load-Unload Count	0032h	63h	63h	00h	00000000000942h
	194 Temperature	0022h	1Eh	2Ah	00h	0000160000001Eh
	195 ECC On The Fly Count	001Ah	50h	40h	00h	00000006783460h
	197 Pending-Sparing Count	0012h	64h	64h	00h	00000000000000h
	198	0010h	64h	64h	00h	00000000000000h
	199 Ultra DMA CRC Error	003Eh	C8h	C8h	00h	00000000000000h
	240 Head Flight Hours	0000h	64h	FDh	00h	10C16000005DFCh
	241 Lifetime Writes From Host	0000h	64h	FDh	00h	00002581FE42FBh
	242 Lifetime Reads From Host	0000h	64h	FDh	00h	00008FDFD7C9C4h

* Indicates warranty attribute type, also called Pre-fail attribute type

! - attribute is currently failing (thresholds required)

^ - attribute has previously failed (thresholds required)

"Current" is also referred to as the "Nominal" value in specifications.

#####

```
=====
openSeaChest_Info - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_Info Version: 2.1.2-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May  2 09:46:38 2023      User: root
=====
```

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

1 - Read Error Rate

Attribute Type(s):

Pre-fail/warranty. Indicates a cause of known impending failure.
Online Data Collection. Updates as the drive runs.
Performance. Degredation of this attribute will affect performance.
Error Rate. Attribute tracks and error rate.

Current (Nominal) Value: 80
Worst Ever Value: 64
Threshold: 44
Number Of Sector Reads: 108541024
Number Of Read Errors: 0

3 - Spin Up Time

Attribute Type(s):

Pre-fail/warranty. Indicates a cause of known impending failure.
Online Data Collection. Updates as the drive runs.

Current (Nominal) Value: 91
Worst Ever Value: 91
Threshold set to always passing

4 - Start/Stop Count

Attribute Type(s):

Online Data Collection. Updates as the drive runs.
Event Count. Attribute is a counter.
Self-Preserving. Saves between power cycles.

Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold: 20
Spin Up Count: 37

5 - Retired Sectors Count

Attribute Type(s):

Pre-fail/warranty. Indicates a cause of known impending failure.
Online Data Collection. Updates as the drive runs.
Event Count. Attribute is a counter.
Self-Preserving. Saves between power cycles.

Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold: 10
Current Retired Sector Count: 0

7 - Seek Error Rate

Attribute Type(s):

Pre-fail/warranty. Indicates a cause of known impending failure.
Online Data Collection. Updates as the drive runs.

Performance. Degredation of this attribute will affect performance.

Error Rate. Attribute tracks and error rate.

Current (Nominal) Value: 93

Worst Ever Value: 60

Threshold: 45

Number Of Seeks: 1980091664

Number Of Seek Errors: 0

9 - Power On Hours

Attribute Type(s):

Online Data Collection. Updates as the drive runs.

Event Count. Attribute is a counter.

Self-Preserving. Saves between power cycles.

Current (Nominal) Value: 72

Worst Ever Value: 72

Threshold set to always passing

Power On Hours = 24800.000000

10 - Spin Retry Count

Attribute Type(s):

Pre-fail/warranty. Indicates a cause of known impending failure.

Online Data Collection. Updates as the drive runs.

Event Count. Attribute is a counter.

Current (Nominal) Value: 100

Worst Ever Value: 100

Threshold: 97

12 - Drive Power Cycle Count

Attribute Type(s):

Online Data Collection. Updates as the drive runs.

Event Count. Attribute is a counter.

Self-Preserving. Saves between power cycles.

Current (Nominal) Value: 100

Worst Ever Value: 100

Threshold: 20

Power Cycle Count: 37

184 - IOEDC Count

Attribute Type(s):

Online Data Collection. Updates as the drive runs.

Event Count. Attribute is a counter.

Self-Preserving. Saves between power cycles.

Current (Nominal) Value: 100

Worst Ever Value: 100
Threshold: 99
Lifetime IOEDC Count: 0

187 - Reported Un-correctable
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Event Count. Attribute is a counter.
 Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Total # of Reported Uncorrectable Errors To The Host: 0

188 - Command Timeout
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Event Count. Attribute is a counter.
 Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Total # of command timeouts: 0
Total # of commands with > 5 second completion: 0
Total # of commands with > 7.5 second completion: 0

189 - High Fly Writes
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Error Rate. Attribute tracks and error rate.
 Event Count. Attribute is a counter.
 Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Total # of High Fly Writes Detected: 0

190 - Airflow Temperature
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 70
Worst Ever Value: 58

Threshold: 40
Current Temperature (C): 30
Lowest Temperature during this power cycle: 25
Highest Temperature during this power cycle: 30
Number of times attribute below threshold: 0

191 - Shock Sensor Counter

Attribute Type(s):
Online Data Collection. Updates as the drive runs.
Event Count. Attribute is a counter.
Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 80
Worst Ever Value: 80
Threshold set to always passing
Number Of Shock Events: 41332

192 - Emergency Retract Count

Attribute Type(s):
Online Data Collection. Updates as the drive runs.
Event Count. Attribute is a counter.
Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Emergency Retract Count: 919

193 - Load-Unload Count

Attribute Type(s):
Online Data Collection. Updates as the drive runs.
Event Count. Attribute is a counter.
Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 99
Worst Ever Value: 99
Threshold set to always passing
Load Count: 2370

194 - Temperature

Attribute Type(s):
Online Data Collection. Updates as the drive runs.
Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 30
Worst Ever Value: 42
Threshold set to always passing

Current Temperature (C): 30
Worst Highest Temperature (C): 42
Worst Lowest Temperature (C): 22

195 - ECC On The Fly Count
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Error Rate. Attribute tracks and error rate.
 Event Count. Attribute is a counter.
Current (Nominal) Value: 80
Worst Ever Value: 64
Threshold set to always passing
Number Of Sector Reads: 108541024
Number Of ECC OTF Errors: 0

197 - Pending-Sparing Count
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Event Count. Attribute is a counter.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Current Pending Spare Count: 0

198 - Unknown Attribute
Attribute Type(s):
 Event Count. Attribute is a counter.
Current (Nominal) Value: 100
Worst Ever Value: 100
Threshold set to always passing
Current Uncorrectable Sector Count: 0

199 - Ultra DMA CRC Error
Attribute Type(s):
 Online Data Collection. Updates as the drive runs.
 Performance. Degredation of this attribute will affect performance.
 Error Rate. Attribute tracks and error rate.
 Event Count. Attribute is a counter.
 Self-Preserving. Saves between power cycles.
Current (Nominal) Value: 200
Worst Ever Value: 200
Threshold set to always passing
Current CRC/R_Errs Error Count: 0

240 - Head Flight Hours
Attribute Type(s):
Current (Nominal) Value: 100
Worst Ever Value: 253
Threshold set to always passing
Head Flight Hours = 24060.300000

241 - Lifetime Writes From Host
Attribute Type(s):
Current (Nominal) Value: 100
Worst Ever Value: 253
Threshold set to always passing
Lifetime LBAs Written: 161094714107

242 - Lifetime Reads From Host
Attribute Type(s):
Current (Nominal) Value: 100
Worst Ever Value: 253
Threshold set to always passing
Lifetime LBAs Read: 617935784388

#####

=====

openSeaChest_SMART - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_SMART Version: 2.1.1-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:46:38 2023 User: root

=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA
SMART Comprehensive Error Log (EXT)- Version 1:
No errors found!

Finished S.M.A.R.T. read at: Tue May 2 09:46:38 UTC 2023

#####

#####

Starting short self test at: Tue May 2 09:46:41 UTC 2023

=====

openSeaChest_SMART - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved

openSeaChest_SMART Version: 2.1.1-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:46:41 2023 User: root

=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA
Short DST

Test progress: 10% complete.
Test progress: 10% complete.
Test progress: 20% complete.
Test progress: 30% complete.
Test progress: 40% complete.
Test progress: 40% complete.
Test progress: 50% complete.
Test progress: 60% complete.
Test progress: 70% complete.
Test progress: 80% complete.
Test progress: 90% complete.
Test progress: 90% complete.
Test progress: 100% complete.

Test progress: 100% complete
The self-test routine completed without error.
Short DST Passed!

Finished short self test at: Tue May 2 09:47:47 UTC 2023

#####

Starting conveyance test at: Tue May 2 09:48:01 UTC 2023

=====

openSeaChest_SMART - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_SMART Version: 2.1.1-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:48:01 2023 User: root

=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

Conveyance DST

Test progress: 10% complete.
Test progress: 10% complete.
Test progress: 10% complete.
Test progress: 10% complete.
Test progress: 20% complete.
Test progress: 20% complete.
Test progress: 30% complete.
Test progress: 30% complete.
Test progress: 40% complete.
Test progress: 50% complete.
Test progress: 60% complete.
Test progress: 60% complete.
Test progress: 70% complete.
Test progress: 80% complete.
Test progress: 90% complete.
Test progress: 100% complete.

Test progress: 100% complete

The self-test routine completed without error.

Conveyance DST Passed!

Finished conveyance test at: Tue May 2 09:49:57 UTC 2023

#####

Starting idd test at: Tue May 2 09:50:01 UTC 2023

=====
openSeaChest_SMART - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_SMART Version: 2.1.1-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:50:01 2023 User: root
=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

The In Drive Diagnostics (IDD) test will take approximately 2 minutes

IDD - short - completed without error!

Finished idd test at: Tue May 2 09:52:02 UTC 2023

#####

Starting buffer test at: Tue May 2 09:52:02 UTC 2023

=====
openSeaChest_GenericTests - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_GenericTests Version: 2.0.4-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:52:02 2023 User: root
=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

Performing buffer test. This may take a while...

Test Results:

=====

Total test time: Command Time (s): 10.29

00h Test Pattern:

Run 1:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 1.71

Run 2:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 1.66

FFh Test Pattern:

Run 1:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 2.10

Run 2:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 2.58

55h Test Pattern:

Run 1:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 2.94

Run 2:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 3.82

AAh Test Pattern:

Run 1:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 5.39

Run 2:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 6.17

00FF55AAh Test Pattern:

Run 1:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 6.17

Run 2:

Total commands sent: 10
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 5
Number of buffer miscompares: 0
Test time: Command Time (ms): 6.17

Walking 1's Test:

Run 1:

Total commands sent: 8192

Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 4096
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Walking 0's Test:

Run 1:

Total commands sent: 8192
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 4096
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Random Pattern Test:

Run 1:

Total commands sent: 20
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 10
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Run 2:

Total commands sent: 20
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 10
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Run 3:

Total commands sent: 20
Number of command CRC errors: 0

Number of command timeouts: 0
Number of buffer comparisons: 10
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Run 4:

Total commands sent: 20
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 10
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Run 5:

Total commands sent: 20
Number of command CRC errors: 0
Number of command timeouts: 0
Number of buffer comparisons: 10
Number of buffer miscompares: 0
Test time: Command Time (ns): 0.00

Finished buffer test at: Tue May 2 09:52:13 UTC 2023

#####

Starting random read test at: Tue May 2 09:52:17 UTC 2023

=====
openSeaChest_GenericTests - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_GenericTests Version: 2.0.4-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:52:17 2023 User: root
=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA
Starting Random test

Random test completed successfully!

Finished random read test at: Tue May 2 09:52:48 UTC 2023

#####

Starting random write test at: Tue May 2 09:52:48 UTC 2023

=====
openSeaChest_GenericTests - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_GenericTests Version: 2.0.4-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:52:48 2023 User: root
=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

Starting Random test

Random test completed successfully!

Finished random write test at: Tue May 2 09:53:08 UTC 2023

#####

Starting butterfly read test at: Tue May 2 09:53:08 UTC 2023

=====
openSeaChest_GenericTests - openSeaChest drive utilities - NVMe Enabled
Copyright (c) 2014-2022 Seagate Technology LLC and/or its Affiliates, All Rights Reserved
openSeaChest_GenericTests Version: 2.0.4-3_2_1 X86_64
Build Date: Jul 26 2022
Today: Tue May 2 09:53:08 2023 User: root
=====

/dev/sg5 - ST6000NM0115-1YZ110 - ZAD9F21V - SN05 - ATA

Starting Butterfly test.

Butterfly test completed successfully!

Finished butterfly read test at: Tue May 2 09:53:38 UTC 2023

#####

Starting generic write test at: Tue May 2 09:53:38 UTC 2023

-- generic write tests --

GPT data structures destroyed! You may now partition the disk using fdisk or other utilities.

Creating new GPT entries in memory.

The operation has completed successfully.

Creating filesystem with 1465130385 4k blocks and 183144448 inodes

Filesystem UUID: f1899e2d-bac5-4a58-a121-52a0dee4e3ca

Superblock backups stored on blocks:

32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
4096000, 7962624, 11239424, 20480000, 23887872, 71663616, 78675968,
102400000, 214990848, 512000000, 550731776, 644972544

Allocating group tables: 0/44713 done

Writing inode tables: 0/44713 done

Creating journal (262144 blocks): done

Writing superblocks and filesystem accounting information: 0/44713 done

Pass 1: Checking inodes, blocks, and sizes

Pass 2: Checking directory structure

Pass 3: Checking directory connectivity

Pass 4: Checking reference counts

Pass 5: Checking group summary information

11 inodes used (0.00%, out of 183144448)

0 non-contiguous files (0.0%)

0 non-contiguous directories (0.0%)

of inodes with ind/dind/tind blocks: 0/0/0

Extent depth histogram: 2/1

11836033 blocks used (0.81%, out of 1465130385)

0 bad blocks

1 large file

0 regular files

2 directories

0 character device files

0 block device files

0 fifos

0 links

0 symbolic links (0 fast symbolic links)

0 sockets

2 files

Generic write test: Passed

GPT data structures destroyed! You may now partition the disk using fdisk or other utilities.

Finished generic write test at: Tue May 2 09:54:13 UTC 2023

#####

```
20230502 10:30 root      INFO      # Initialiazing test iops
20230502 10:30 root      INFO      #Device/dev/sdf sector count: 11721045168
20230502 10:30 root      INFO      #Device/dev/sdf sector size: 512
20230502 10:30 root      INFO      #Device/dev/sdf size in KB: 5860522584.0
20230502 10:30 root      INFO      #Device/dev/sdf physical sector size: 4096
20230502 10:30 root      INFO      #Device/dev/sdf logical sector size: 512
20230502 10:30 root      INFO      # 8          80 5860522584 sdf
20230502 10:30 root      INFO      # Trying to get device info with hdparm
20230502 10:30 root      INFO      # Testing device:      Model Number:      ST6000NM0115-1YZ110
```

Serial Number: ZAD9F21V

Firmware Revision: SN05

device size with M = 1000*1000: 6001175 MBytes (6001 GB)

write-caching = 0 (off)

Device Logical Sector Size: 512

Device Physical Sector Size: 4096

```
20230502 10:30 root      INFO      # Initialiazing test tp
20230502 10:30 root      INFO      #Device/dev/sdf sector count: 11721045168
20230502 10:30 root      INFO      #Device/dev/sdf sector size: 512
20230502 10:30 root      INFO      #Device/dev/sdf size in KB: 5860522584.0
20230502 10:30 root      INFO      #Device/dev/sdf physical sector size: 4096
20230502 10:30 root      INFO      #Device/dev/sdf logical sector size: 512
20230502 10:30 root      INFO      # 8          80 5860522584 sdf
20230502 10:30 root      INFO      # Sleeping for 5 seconds...
20230502 10:30 root      INFO      ##### Starting HDD IOPS Test #####
20230502 10:30 root      INFO      Increment in byte: 750146887680.0
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      Round nr. 0
20230502 10:30 root      INFO      Offset 0
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 8256; 8214; 128; 1005; 7; 42; 9.291426; 3.045141; 1992; 13977; 7772.24658
9; 2581.308211; 1.000000%=3260; 5.000000%=3555; 10.000000%=4489; 20.000000%=5406; 30.000000%=5931; 40.000000%=6782
; 50.000000%=7634; 60.000000%=8585; 70.000000%=9371; 80.000000%=10158; 90.000000%=11468; 95.000000%=11993; 99.0000
00%=12517; 99.500000%=13959; 99.900000%=13959; 99.950000%=13959; 99.990000%=13959; 0%=0; 0%=0; 0%=0; 2001; 14026; 778
1.759884; 2581.979292; 8064; 8320; 99.732165%; 8192.000000; 181.019336; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000
; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.00000
0%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=
0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 0.298805%; 0.000000%; 129
; 0; 10; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.78
%; 5.43%; 70.54%; 23.26%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 164; 0; 0; 0; 914; 0; 914; 92.59%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 4304; 4278; 267; 1006; 3; 44; 7.211413; 2.604971; 134; 12892; 3729.248037
; 3850.229571; 1.000000%=136; 5.000000%=144; 10.000000%=146; 20.000000%=148; 30.000000%=152; 40.000000%=156; 50.000
000%=3325; 60.000000%=4947; 70.000000%=6389; 80.000000%=7700; 90.000000%=9764; 95.000000%=10551; 99.000000%=11599
; 99.500000%=11599; 99.900000%=12910; 99.950000%=12910; 99.990000%=12910; 0%=0; 0%=0; 0%=0; 142; 12898; 3736.694019; 3
850.539642; 2304; 6272; 100.000000%; 4288.000000; 2805.799708; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.00000
0; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.
000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990
000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 0.000000; 0.696517%; 269; 0; 10; 10
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 4.83%
; 39.78%; 7.43%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 302; 0; 0; 0; 909; 0; 910; 92.59%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k', '--minimal',
```

```
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 524; 522; 130; 1003; 5; 35; 6.729237; 2.603465; 2036; 16229; 7617.299046;
2629.627703; 1.000000%=3129; 5.000000%=3522; 10.000000%=4227; 20.000000%=5341; 30.000000%=5865; 40.000000%=6651; 5
0.000000%=7372; 60.000000%=8454; 70.000000%=9240; 80.000000%=10027; 90.000000%=11337; 95.000000%=11599; 99.000000
%=12517; 99.500000%=16187; 99.900000%=16187; 99.950000%=16187; 99.990000%=16187; 0%=0; 0%=0; 0%=0; 2043; 16265; 7624.
207824; 2630.346704; 504; 536; 99.616858%; 520.000000; 22.627417; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000
000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 7
0.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.9
90000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 0.499002%; 0.099800%; 131; 0; 10;
100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 7.63
%; 71.76%; 20.61%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 163; 0; 0; 0; 890; 0; 890; 90.27%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 5632; 5521; 86; 1020; 9; 45; 11.513420; 3.781942; 371; 32766; 9896.508852
; 6066.978744; 1.000000%=370; 5.000000%=3325; 10.000000%=3555; 20.000000%=5668; 30.000000%=6455; 40.000000%=7241; 5
0.000000%=8355; 60.000000%=9371; 70.000000%=10289; 80.000000%=13959; 90.000000%=19791; 95.000000%=21889; 99.000000
%=32636; 99.500000%=32636; 99.900000%=32636; 99.950000%=32636; 99.990000%=32636; 0%=0; 0%=0; 0%=0; 383; 32776; 9908.
256955; 6066.613042; 5376; 5760; 100.000000%; 5568.000000; 271.529004; 5760; 5647; 88; 1020; 8; 39; 10.697700; 3.197193; 2
99; 18051; 1594.890033; 3104.909734; 1.000000%=301; 5.000000%=329; 10.000000%=337; 20.000000%=374; 30.000000%=415; 4
0.000000%=501; 50.000000%=544; 60.000000%=569; 70.000000%=602; 80.000000%=1019; 90.000000%=4177; 95.000000%=6586;
99.000000%=17956; 99.500000%=17956; 99.900000%=17956; 99.950000%=17956; 99.990000%=17956; 0%=0; 0%=0; 0%=0; 309; 180
60; 1605.825622; 3104.472659; 4992; 6528; 100.000000%; 5760.000000; 1086.116016; 0.785083%; 0.000000%; 178; 0; 12; 100.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 20.22%; 16.29%; 3.37%; 3.93%; 6.18%; 2
9.78%; 15.73%; 4.49%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 130; 82; 0; 0; 801; 118; 919; 92.59%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k', '--minimal',
```

```
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2592; 2589; 161; 1001; 4; 46; 7.848290; 4.416628; 97; 36441; 5587.696494;
7016.109689; 1.000000%=132; 5.000000%=136; 10.000000%=140; 20.000000%=164; 30.000000%=171; 40.000000%=191; 50.0000
00%=3817; 60.000000%=5799; 70.000000%=8028; 80.000000%=9764; 90.000000%=14614; 95.000000%=21626; 99.000000%=27394
; 99.500000%=36438; 99.900000%=36438; 99.950000%=36438; 99.990000%=36438; 0%=0; 0%=0; 0%=0; 136; 36448; 5595.794512; 7
015.530730; 1568; 3616; 100.000000%; 2592.000000; 1448.154688; 2624; 2621; 163; 1001; 4; 20; 7.545695; 2.142323; 168; 1115
8; 552.097713; 1040.356381; 1.000000%=171; 5.000000%=185; 10.000000%=191; 20.000000%=207; 30.000000%=232; 40.000000
%=250; 50.000000%=276; 60.000000%=313; 70.000000%=481; 80.000000%=522; 90.000000%=946; 95.000000%=1417; 99.000000%
=4554; 99.500000%=11206; 99.900000%=11206; 99.950000%=11206; 99.990000%=11206; 0%=0; 0%=0; 0%=0; 183; 11166; 559.8576
28; 1040.331528; 1568; 3648; 99.504006%; 2608.000000; 1470.782105; 0.000000%; 0.700000%; 326; 0; 15; 100.0%; 0.0%; 0.0%; 0
.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.31%; 41.72%; 18.71%; 5.83%; 2.76%; 2.45%; 2.45%; 17.18%; 4.91%; 3
.68%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 203; 150; 0; 0; 815; 84; 899; 90.58%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 520; 516; 129; 1007; 3; 34; 6.513077; 2.583746; 2584; 12329; 7356.707215;
2422.287917; 1.000000%=3031; 5.000000%=3424; 10.000000%=3751; 20.000000%=5079; 30.000000%=5865; 40.000000%=6651; 5
0.000000%=7307; 60.000000%=8290; 70.000000%=8978; 80.000000%=9764; 90.000000%=10420; 95.000000%=11337; 99.000000%
=12124; 99.500000%=12386; 99.900000%=12386; 99.950000%=12386; 99.990000%=12386; 0%=0; 0%=0; 0%=0; 2589; 12336; 7363.4
35023; 2421.936744; 512; 520; 100.000000%; 516.000000; 5.656854; 492; 488; 122; 1007; 5; 9; 6.400675; 0.665156; 165; 529; 35
7.728122; 116.808607; 1.000000%=185; 5.000000%=201; 10.000000%=214; 20.000000%=236; 30.000000%=248; 40.000000%=284
; 50.000000%=354; 60.000000%=428; 70.000000%=464; 80.000000%=477; 90.000000%=497; 95.000000%=514; 99.000000%=528; 9
9.500000%=528; 99.900000%=528; 99.950000%=528; 99.990000%=528; 0%=0; 0%=0; 0%=0; 172; 536; 364.337862; 117.158014; 440
; 544; 100.000000%; 492.000000; 73.539105; 0.795229%; 0.099404%; 253; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 15.42%; 28.46%; 4.74%; 0.00%; 0.00%; 5.53%; 38.34%; 7.51%; 0.00%; 0.00%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; sdf; 163; 114; 0; 0; 846; 40; 887; 89.87%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 23936; 23746; 371; 1008; 6; 46; 9.123155; 2.250151;
267; 47500; 2653.930543; 9337.050961; 1.000000%=272; 5.000000%=280; 10.000000%=284; 20.000000%=301; 30.000000%=309;
40.000000%=321; 50.000000%=333; 60.000000%=337; 70.000000%=350; 80.000000%=370; 90.000000%=468; 95.000000%=34340;
99.000000%=44302; 99.500000%=47448; 99.900000%=47448; 99.950000%=47448; 99.990000%=47448; 0%=0; 0%=0; 0%=0; 277; 475
09; 2663.266254; 9337.010730; 23808; 23936; 100.000000%; 23872.000000; 90.509668; 1.688183%; 0.000000%; 375; 0; 13; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 92.78%; 1.34%; 0.00%; 0.00%; 0.00%; 0.
00%; 0.00%; 5.88%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 49; 339; 0; 0; 28; 864; 892; 91.38%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 12400; 12228; 764; 1014; 4; 42; 8.466414; 4.652209;
168; 43498; 1290.159765; 4799.913630; 1.000000%=177; 5.000000%=193; 10.000000%=201; 20.000000%=222; 30.000000%=242;
40.000000%=259; 50.000000%=280; 60.000000%=321; 70.000000%=403; 80.000000%=577; 90.000000%=1122; 95.000000%=3555;
99.000000%=32112; 99.500000%=40108; 99.900000%=43253; 99.950000%=43253; 99.990000%=43253; 0%=0; 0%=0; 0%=0; 177; 435
03; 1298.807754; 4799.690619; 9920; 14848; 100.000000%; 12384.000000; 3484.622218; 0.789733%; 1.085884%; 775; 0; 10; 100
.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 35.23%; 42.58%; 5.94%; 3.87%; 6.97%; 0.52%
; 1.94%; 1.16%; 1.81%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 50; 710; 0; 0; 21; 859; 879; 89.78%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k', '--minimal',
```

```
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 6804; 6797; 1699; 1001; 2; 33; 6.056206; 2.546803; 1
58; 32747; 576.427621; 1497.969248; 1.000000%=185; 5.000000%=207; 10.000000%=224; 20.000000%=246; 30.000000%=264; 40
.000000%=280; 50.000000%=301; 60.000000%=329; 70.000000%=395; 80.000000%=577; 90.000000%=1204; 95.000000%=1384; 99
.000000%=1761; 99.500000%=11075; 99.900000%=27918; 99.950000%=32636; 99.990000%=32636; 0%=0; 0%=0; 0%=0; 164; 32753;
582.720199; 1498.072269; 6584; 7016; 100.000000%; 6800.000000; 305.470129; 3.000000%; 0.500000%; 1703; 0; 11; 100.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 21.99%; 53.85%; 7.64%; 1.00%; 14.70%; 0.18%; 0.12
%; 0.35%; 0.18%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 52; 1492; 0; 0; 43; 862; 904; 92.18%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      Round nr. 1
20230502 10:30 root      INFO      Offset 750146887680.0
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 4992; 4947; 77; 1009; 8; 46; 10.797051; 4.102348; 4468; 36889; 12906.7649
74; 5242.250041; 1.000000%=4489; 5.000000%=6127; 10.000000%=6586; 20.000000%=8847; 30.000000%=10420; 40.000000%=11
599; 50.000000%=12255; 60.000000%=13697; 70.000000%=14876; 80.000000%=16449; 90.000000%=17170; 95.000000%=17956; 9
9.000000%=36962; 99.500000%=36962; 99.900000%=36962; 99.950000%=36962; 99.990000%=36962; 0%=0; 0%=0; 0%=0; 4479; 369
00; 12917.827000; 5241.855689; 4608; 5248; 99.615929%; 4928.000000; 452.548340; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0
.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 6
0.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.9
50000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 0.000000%; 0.3968
25%; 78; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00
%; 0.00%; 0.00%; 28.21%; 69.23%; 2.56%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 119; 0; 0; 0; 923; 0; 923; 93.79%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
```



```
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 1344; 1328; 83; 1012; 6; 43; 8.687893; 3.909980; 4561; 25024; 11943.73026
2; 3706.436648; 1.000000%=4554; 5.000000%=6193; 10.000000%=7503; 20.000000%=8355; 30.000000%=9764; 40.000000%=1094
4; 50.000000%=11993; 60.000000%=13172; 70.000000%=13828; 80.000000%=14876; 90.000000%=17170; 95.000000%=17432; 99.
000000%=25034; 99.500000%=25034; 99.900000%=25034; 99.950000%=25034; 99.990000%=25034; 0%=0; 0%=0; 0%=0; 4569; 25034
; 11952.644548; 3706.759267; 1248; 1408; 100.000000%; 1328.000000; 113.137085; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.
000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60
.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.95
0000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 0.989120%; 0.00000
0%; 85; 0; 10; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.00%; 0.00%; 33.33%; 65.48%; 1.19%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 122; 0; 0; 0; 912; 0; 912; 90.98%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 328; 327; 81; 1001; 5; 36; 7.443073; 3.292035; 4575; 20331; 11908.990500;
3588.887078; 1.000000%=4554; 5.000000%=6193; 10.000000%=7438; 20.000000%=8290; 30.000000%=9764; 40.000000%=10813;
50.000000%=11993; 60.000000%=13303; 70.000000%=13959; 80.000000%=14876; 90.000000%=17170; 95.000000%=17432; 99.00
0000%=20316; 99.500000%=20316; 99.900000%=20316; 99.950000%=20316; 99.990000%=20316; 0%=0; 0%=0; 0%=0; 4582; 20339; 1
1916.668610; 3588.942699; 304; 304; 92.966361%; 304.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0
.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%
=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0;
99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 2.600000%; 0.000000%; 86; 0;
9; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.00%; 0.00%; 32.93%; 65.85%; 1.22%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 116; 0; 0; 0; 847; 0; 847; 83.77%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 4352; 4308; 67; 1010; 7; 37; 10.108647; 4.868802; 5752; 35009; 12951.1767
65; 5020.954888; 1.000000%=5734; 5.000000%=6520; 10.000000%=8028; 20.000000%=9502; 30.000000%=10420; 40.000000%=11
468; 50.000000%=11730; 60.000000%=12910; 70.000000%=14090; 80.000000%=16449; 90.000000%=18219; 95.000000%=20316; 9
9.000000%=34865; 99.500000%=34865; 99.900000%=34865; 99.950000%=34865; 99.990000%=34865; 0%=0; 0%=0; 0%=0; 5760; 350
17; 12961.494882; 5020.599135; 3968; 4608; 99.535747%; 4288.000000; 452.548340; 4544; 4499; 70; 1010; 4; 9; 7.421803; 1.31
5006; 340; 31526; 1760.065324; 5765.509807; 1.000000%=342; 5.000000%=350; 10.000000%=366; 20.000000%=399; 30.000000%
=415; 40.000000%=481; 50.000000%=593; 60.000000%=618; 70.000000%=643; 80.000000%=667; 90.000000%=692; 95.000000%=1
679; 99.000000%=31588; 99.500000%=31588; 99.900000%=31588; 99.950000%=31588; 99.990000%=31588; 0%=0; 0%=0; 0%=0; 345
; 31532; 1767.648070; 5765.328065; 4352; 4736; 100.000000%; 4544.000000; 271.529004; 0.297324%; 0.297324%; 139; 0; 14; 10
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 20.86%; 25.90%; 0.00%; 2.16%; 0.00
%; 12.95%; 33.09%; 5.04%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 110; 63; 0; 0; 815; 120; 935; 93.79%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2080; 2063; 128; 1008; 2; 39; 7.836992; 4.448375; 124; 34188; 6858.034008
; 7971.440650; 1.000000%=134; 5.000000%=148; 10.000000%=154; 20.000000%=183; 30.000000%=205; 40.000000%=222; 50.000
000%=3850; 60.000000%=8716; 70.000000%=10551; 80.000000%=12779; 90.000000%=17694; 95.000000%=20840; 99.000000%=31
064; 99.500000%=34340; 99.900000%=34340; 99.950000%=34340; 99.990000%=34340; 0%=0; 0%=0; 0%=0; 139; 34196; 6866.05755
4; 7972.492260; 896; 3232; 100.000000%; 2064.000000; 1651.801441; 1968; 1952; 122; 1008; 2; 20; 7.857496; 3.680415; 209; 31
226; 857.186268; 3554.065187; 1.000000%=209; 5.000000%=224; 10.000000%=240; 20.000000%=261; 30.000000%=280; 40.0000
00%=296; 50.000000%=321; 60.000000%=350; 70.000000%=387; 80.000000%=552; 90.000000%=610; 95.000000%=1171; 99.00000
0%=25034; 99.500000%=31326; 99.900000%=31326; 99.950000%=31326; 99.990000%=31326; 0%=0; 0%=0; 0%=0; 217; 31229; 865.2
45252; 3553.654944; 512; 3424; 100.000000%; 1968.000000; 2059.094947; 0.695134%; 0.794439%; 254; 0; 12; 100.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 30.83%; 31.23%; 8.30%; 0.40%; 2.37%; 0.40%; 7.91%; 14.23
%; 4.35%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 171; 114; 0; 0; 818; 102; 920; 92.18%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
```



```
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 320; 317; 19; 1007; 6; 50; 10.727200; 9.794156; 263;
96048; 49939.104750; 39467.810269; 1.000000%=264; 5.000000%=264; 10.000000%=268; 20.000000%=366; 30.000000%=473; 40
.000000%=31588; 50.000000%=70778; 60.000000%=77070; 70.000000%=79167; 80.000000%=85458; 90.000000%=86507; 95.0000
00%=87556; 99.000000%=95944; 99.500000%=95944; 99.900000%=95944; 99.950000%=95944; 99.990000%=95944; 0%=0; 0%=0; 0%
=0; 280; 96055; 49950.313200; 39463.392800; 192; 416; 95.899054%; 304.000000; 158.391919; 0.298211%; 0.397614%; 20; 0; 11
; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 30.00%; 0.00%; 5.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 5.00%; 60.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 52; 18; 0; 0; 58; 835; 893; 89.78%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 400; 394; 98; 1014; 2; 40; 6.984100; 4.516151; 175; 5
5327; 9899.153650; 11805.504907; 1.000000%=175; 5.000000%=195; 10.000000%=216; 20.000000%=240; 30.000000%=261; 40.0
00000%=342; 50.000000%=522; 60.000000%=14221; 70.000000%=17956; 80.000000%=20054; 90.000000%=24772; 95.000000%=27
394; 99.000000%=40632; 99.500000%=55312; 99.900000%=55312; 99.950000%=55312; 99.990000%=55312; 0%=0; 0%=0; 0%=0; 179
; 55344; 9906.311590; 11805.765974; 192; 600; 100.000000%; 396.000000; 288.499567; 2.073050%; 0.394867%; 102; 0; 10; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 23.00%; 26.00%; 1.00%; 3.00%; 2.00%; 0.00%;
0.00%; 25.00%; 19.00%; 1.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 49; 91; 0; 0; 57; 778; 836; 83.85%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      Round nr. 2
```

```
20230502 10:30 root      INFO      Offset 1500293775360.0
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;32640;32509;507;1004;3;49;11.723278;4.770953;210;17095;1476.689
298;2691.138190;1.000000%=214;5.000000%=218;10.000000%=230;20.000000%=254;30.000000%=288;40.000000%=309;50.
000000%=354;60.000000%=569;70.000000%=921;80.000000%=1318;90.000000%=6062;95.000000%=7569;99.000000%=11730;
99.500000%=16187;99.900000%=17170;99.950000%=17170;99.990000%=17170;0%=0;0%=0;0%=0;216;17110;1488.613408;26
92.043755;31232;33920;100.000000%;32576.000000;1900.703028;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000
000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;7
0.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.9
90000%=0;0%=0;0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;23.429711%;0.897308%;730;0;12
;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;17.25%;40.20%;8.24%;7.25%;13.92%;
0.98%;10.39%;1.76%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;573;0;0;0;654;0;654;85.77%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;2576;2555;159;1008;3;38;12.716429;6.957239;124;13133;2690.03244
7;3326.293505;1.000000%=132;5.000000%=152;10.000000%=160;20.000000%=181;30.000000%=248;40.000000%=444;50.00
0000%=724;60.000000%=1368;70.000000%=3751;80.000000%=6455;90.000000%=8355;95.000000%=9109;99.000000%=10551;
99.500000%=13172;99.900000%=13172;99.950000%=13172;99.990000%=13172;0%=0;0%=0;0%=0;127;13143;2702.981068;33
26.466660;2491;2624;100.000000%;2557.500000;94.045202;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1
.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000
000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000
%=0;0%=0;0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;56.802383%;0.397219%;264;0;9;100.0
%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;30.43%;11.18%;8.70%;2.48%;13.66%;4.35%;
26.71%;2.48%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;990;0;0;0;1179;0;1180;86.49%
```

```
20230502 10:30 root      INFO      #####
```

```
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 100
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 252; 247; 61; 1018; 2; 35; 12.546619; 6.787188; 139; 20598; 2208.417175; 4
143.403117; 1.000000%=138; 5.000000%=148; 10.000000%=150; 20.000000%=166; 30.000000%=218; 40.000000%=244; 50.00000
0%=254; 60.000000%=272; 70.000000%=544; 80.000000%=1859; 90.000000%=9371; 95.000000%=10158; 99.000000%=20578; 99.5
00000%=20578; 99.900000%=20578; 99.950000%=20578; 99.990000%=20578; 0%=0; 0%=0; 0%=0; 146; 20619; 2221.178698; 4145.6
89614; 240; 256; 100.000000%; 248.000000; 11.313708; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000
%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0;
80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=
0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 84.267453%; 0.393314%; 163; 0; 10; 100.0%; 0.0%
; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 49.21%; 19.05%; 4.76%; 1.59%; 6.35%; 0.00%; 12.70%;
4.76%; 1.59%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 657; 0; 0; 0; 863; 0; 862; 69.27%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 35072; 35036; 547; 1001; 3; 39; 8.963617; 4.120000; 208; 19691; 1416.4200
95; 2651.507535; 1.000000%=211; 5.000000%=214; 10.000000%=224; 20.000000%=250; 30.000000%=280; 40.000000%=301; 50.0
00000%=333; 60.000000%=561; 70.000000%=946; 80.000000%=1318; 90.000000%=5734; 95.000000%=7766; 99.000000%=12386; 9
9.500000%=15007; 99.900000%=19791; 99.950000%=19791; 99.990000%=19791; 0%=0; 0%=0; 0%=0; 213; 19700; 1425.584186; 265
2.943000; 34432; 35584; 99.920082%; 35008.000000; 814.587012; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000
; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.0
00000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.9900
00%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 18.300000%; 1.600000%; 744; 0; 10; 10
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 19.89%; 39.23%; 6.93%; 6.75%; 15.69%; 0.5
5%; 8.94%; 2.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 1398; 0; 0; 0; 1530; 0; 1530; 94.09%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
```

```

'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2224; 2221; 138; 1001; 2; 42; 12.774252; 6.810730; 126; 20757; 3651.58675
5; 5089.920026; 1.000000%=129; 5.000000%=134; 10.000000%=150; 20.000000%=171; 30.000000%=207; 40.000000%=261; 50.00
0000%=659; 60.000000%=1368; 70.000000%=5603; 80.000000%=8290; 90.000000%=11206; 95.000000%=15532; 99.000000%=2057
8; 99.500000%=20840; 99.900000%=20840; 99.950000%=20840; 99.990000%=20840; 0%=0; 0%=0; 0%=0; 129; 20770; 3664.560482;
5091.939711; 2112; 2112; 95.092301%; 2112.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1
.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000
000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000
%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 48.600000%; 0.700000%; 233; 0; 9; 100.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 35.97%; 12.23%; 5.76%; 3.60%; 4.32%; 5.04%; 1
8.71%; 12.95%; 1.44%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 647; 0; 0; 0; 920; 0; 920; 83.31%

20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 50
20230502 10:30 root      INFO      bs: 4k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 268; 260; 65; 1029; 2; 41; 14.028224; 7.884667; 133; 11659; 1590.242866; 2
764.486089; 1.000000%=134; 5.000000%=140; 10.000000%=148; 20.000000%=173; 30.000000%=195; 40.000000%=240; 50.00000
0%=272; 60.000000%=325; 70.000000%=577; 80.000000%=2342; 90.000000%=7110; 95.000000%=7897; 99.000000%=11599; 99.50
0000%=11599; 99.900000%=11599; 99.950000%=11599; 99.990000%=11599; 0%=0; 0%=0; 0%=0; 139; 11683; 1604.479060; 2766.41
1962; 256; 272; 100.000000%; 264.000000; 11.313708; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%
=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 8
0.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0
; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 87.743191%; 0.389105%; 174; 0; 11; 100.0%; 0.0%;
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 41.79%; 25.37%; 5.97%; 2.99%; 2.99%; 5.97%; 13.43%; 1
.49%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%

20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',

```

```
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 64k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 34048; 33980; 530; 1002; 4; 26; 9.972938; 3.354232;
313; 16499; 1421.335423; 2469.339314; 1.000000%=317; 5.000000%=329; 10.000000%=366; 20.000000%=407; 30.000000%=468;
40.000000%=528; 50.000000%=602; 60.000000%=716; 70.000000%=946; 80.000000%=1220; 90.000000%=2039; 95.000000%=6848
; 99.000000%=13697; 99.500000%=15794; 99.900000%=16449; 99.950000%=16449; 99.990000%=16449; 0%=0; 0%=0; 0%=0; 320; 16
510; 1431.477402; 2470.098695; 33024; 34944; 100.000000%; 33984.000000; 1357.645020; 19.480519%; 1.198801%; 682; 0; 10;
100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 34.59%; 26.88%; 11.65%; 16.35%;
1.13%; 7.14%; 2.26%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 724; 475; 0; 0; 905; 666; 1570; 96.10%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:30 root      INFO      mixLoad: 0
20230502 10:30 root      INFO      bs: 16k
20230502 10:30 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 2384; 2367; 147; 1007; 3; 39; 13.366993; 6.804648; 2
31; 19089; 3126.328497; 3934.557726; 1.000000%=276; 5.000000%=346; 10.000000%=382; 20.000000%=436; 30.000000%=493; 4
0.000000%=552; 50.000000%=724; 60.000000%=1171; 70.000000%=4685; 80.000000%=7634; 90.000000%=8978; 95.000000%=100
27; 99.000000%=19005; 99.500000%=19005; 99.900000%=19005; 99.950000%=19005; 99.990000%=19005; 0%=0; 0%=0; 0%=0; 244;
19100; 3139.974846; 3935.300865; 2304; 2432; 100.000000%; 2368.000000; 90.509668; 52.882704%; 0.099404%; 233; 0; 10; 100
.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.67%; 32.21%; 18.12%; 4.03%; 10.74%; 2.68
%; 26.17%; 5.37%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 796; 130; 0; 0; 806; 384; 1189; 89.29%
```

```
20230502 10:30 root      INFO      #####
20230502 10:30 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k',
```



```
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 276; 273; 68; 1008; 2; 41; 13.035536; 7.946806; 289;
12687; 1414.753000; 2104.293196; 1.000000%=288; 5.000000%=342; 10.000000%=354; 20.000000%=423; 30.000000%=436; 40.0
00000%=536; 50.000000%=585; 60.000000%=626; 70.000000%=905; 80.000000%=1433; 90.000000%=4358; 95.000000%=5603; 99.
000000%=12648; 99.500000%=12648; 99.900000%=12648; 99.950000%=12648; 99.990000%=12648; 0%=0; 0%=0; 0%=0; 300; 12703;
1428.050261; 2105.984955; 272; 272; 99.633700%; 272.000000; 0.000000; 89.672294%; 0.794439%; 180; 0; 13; 100.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 37.68%; 26.09%; 10.14%; 7.25%; 7.25%; 10.14%; 1.
45%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 719; 54; 0; 0; 664; 69; 734; 68.07%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      Round nr. 3
20230502 10:31 root      INFO      Offset 2250440663040.0
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 21952; 21952; 343; 1000; 4; 33; 10.426280; 4.620147; 210; 44018; 2184.996
866; 4427.273022; 1.000000%=211; 5.000000%=216; 10.000000%=220; 20.000000%=230; 30.000000%=248; 40.000000%=284; 50.
000000%=317; 60.000000%=634; 70.000000%=1105; 80.000000%=1597; 90.000000%=8454; 95.000000%=10682; 99.000000%=1690
8; 99.500000%=22937; 99.900000%=43778; 99.950000%=43778; 99.990000%=43778; 0%=0; 0%=0; 0%=0; 217; 44036; 2195.618120;
4428.183192; 22272; 22272; 100.000000%; 22272.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.0000
00; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70
.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.99
0000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 23.300000%; 0.900000%; 578; 0; 10;
100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 30.32%; 25.36%; 6.41%; 4.66%; 17.20%; 0
.29%; 8.16%; 7.00%; 0.58%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 1128; 0; 0; 0; 1519; 0; 1519; 93.79%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
```

```
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 1648; 1623; 101; 1015; 6; 40; 14.354709; 7.420777; 139; 16049; 3001.20371
8; 3432.526389; 1.000000%=150; 5.000000%=193; 10.000000%=254; 20.000000%=284; 30.000000%=423; 40.000000%=626; 50.00
0000%=1286; 60.000000%=2088; 70.000000%=4554; 80.000000%=5931; 90.000000%=7110; 95.000000%=8847; 99.000000%=13041
; 99.500000%=16056; 99.900000%=16056; 99.950000%=16056; 99.990000%=16056; 0%=0; 0%=0; 0%=0; 149; 16060; 3015.842738; 3
431.415811; 1600; 1664; 100.000000%; 1632.000000; 45.254834; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000;
1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.00
0000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.99000
0%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 68.047337%; 1.282051%; 235; 0; 9; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 8.74%; 23.30%; 10.68%; 2.91%; 13.59%; 5.83%
; 30.10%; 4.85%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 672; 0; 0; 0; 747; 0; 747; 79.14%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 151; 37; 1005; 11; 40; 18.717947; 6.675929; 114; 2345; 453.017132; 67
4.616630; 1.000000%=114; 5.000000%=114; 10.000000%=114; 20.000000%=118; 30.000000%=120; 40.000000%=162; 50.000000%
=175; 60.000000%=179; 70.000000%=187; 80.000000%=292; 90.000000%=1892; 95.000000%=2277; 99.000000%=2342; 99.500000
%=2342; 99.900000%=2342; 99.950000%=2342; 99.990000%=2342; 0%=0; 0%=0; 0%=0; 127; 2357; 472.100711; 672.636321; 144; 15
2; 98.013245%; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=
0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 9
0.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0;
0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 98.107570%; 0.099602%; 155; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 78.95%; 2.63%; 0.00%; 2.63%; 10.53%; 5.26%; 0.00%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 55616; 55616; 869; 1000; 4; 42; 7.552138; 3.125033; 210; 2440; 520.279520
; 592.590866; 1.000000%=211; 5.000000%=214; 10.000000%=216; 20.000000%=218; 30.000000%=222; 40.000000%=234; 50.0000
00%=280; 60.000000%=292; 70.000000%=309; 80.000000%=395; 90.000000%=1777; 95.000000%=1957; 99.000000%=2375; 99.500
000%=2408; 99.900000%=2441; 99.950000%=2441; 99.990000%=2441; 0%=0; 0%=0; 0%=0; 215; 2446; 527.973722; 592.998655; 558
08; 55808; 100.000000%; 55808.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0;
5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0
00000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%
=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 49.200000%; 5.600000%; 1478; 0; 11; 100.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 42.69%; 37.97%; 2.53%; 2.30%; 9.78%; 4.72%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 2594; 0; 0; 0; 1059; 0; 1059; 91.69%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2208; 2203; 137; 1002; 6; 47; 13.035703; 6.761176; 132; 2305; 594.744290;
626.972747; 1.000000%=134; 5.000000%=138; 10.000000%=142; 20.000000%=150; 30.000000%=173; 40.000000%=187; 50.00000
0%=214; 60.000000%=321; 70.000000%=765; 80.000000%=1056; 90.000000%=1794; 95.000000%=1957; 99.000000%=2211; 99.500
000%=2310; 99.900000%=2310; 99.950000%=2310; 99.990000%=2310; 0%=0; 0%=0; 0%=0; 141; 2312; 608.074355; 625.760879; 217
6; 2208; 99.500681%; 2192.000000; 22.627417; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.0
00000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0000
00%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0;
0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 90.709291%; 1.198801%; 315; 0; 9; 100.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 55.80%; 9.42%; 4.35%; 6.52%; 21.01%; 2.90%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
```

```
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 151; 37; 1003; 10; 35; 19.082500; 5.622846; 114; 2226; 416.895447; 60
0.943173; 1.000000%=114; 5.000000%=115; 10.000000%=117; 20.000000%=120; 30.000000%=122; 40.000000%=158; 50.000000%
=175; 60.000000%=177; 70.000000%=193; 80.000000%=301; 90.000000%=1662; 95.000000%=2113; 99.000000%=2211; 99.500000
%=2211; 99.900000%=2211; 99.950000%=2211; 99.990000%=2211; 0%=0; 0%=0; 0%=0; 128; 2241; 436.455289; 600.655271; 144; 15
2; 98.013245%; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=
0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 9
0.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0;
0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 96.307385%; 1.996008%; 155; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 78.95%; 2.63%; 0.00%; 2.63%; 10.53%; 5.26%; 0.00%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 23104; 23057; 360; 1002; 4; 41; 11.431191; 5.363599
; 291; 17998; 1896.915086; 3460.091455; 1.000000%=292; 5.000000%=301; 10.000000%=305; 20.000000%=309; 30.000000%=317
; 40.000000%=346; 50.000000%=382; 60.000000%=399; 70.000000%=419; 80.000000%=782; 90.000000%=10158; 95.000000%=104
20; 99.000000%=10682; 99.500000%=10813; 99.900000%=17956; 99.950000%=17956; 99.990000%=17956; 0%=0; 0%=0; 0%=0; 297;
18014; 1908.565889; 3460.022454; 21888; 24192; 99.926270%; 23040.000000; 1629.174024; 30.169830%; 1.098901%; 627; 0; 11
; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 74.79%; 4.43%; 3.32%; 0.00%; 1.
66%; 4.43%; 11.36%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 674; 222; 0; 0; 624; 437; 1060; 88.12%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
```

```
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 1696; 1687; 105; 1005; 5; 40; 14.745340; 6.374677; 2
19; 10845; 2649.446689; 2331.587163; 1.000000%=220; 5.000000%=228; 10.000000%=276; 20.000000%=313; 30.000000%=456; 4
0.000000%=708; 50.000000%=3194; 60.000000%=4014; 70.000000%=4358; 80.000000%=4358; 90.000000%=4554; 95.000000%=46
85; 99.000000%=10682; 99.500000%=10813; 99.900000%=10813; 99.950000%=10813; 99.990000%=10813; 0%=0; 0%=0; 0%=0; 234;
10852; 2664.382123; 2329.863768; 1664; 1696; 99.585062%; 1680.000000; 22.627417; 72.011952%; 0.199203%; 222; 0; 11; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 8.49%; 22.64%; 10.38%; 3.77%; 0.94%; 10.38%
; 41.51%; 1.89%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 778; 63; 0; 0; 555; 173; 727; 77.97%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 152; 151; 37; 1003; 14; 41; 19.284158; 4.780078; 212
; 895; 358.039263; 177.898328; 1.000000%=211; 5.000000%=216; 10.000000%=218; 20.000000%=228; 30.000000%=292; 40.0000
00%=296; 50.000000%=305; 60.000000%=309; 70.000000%=317; 80.000000%=329; 90.000000%=700; 95.000000%=798; 99.000000
%=897; 99.500000%=897; 99.900000%=897; 99.950000%=897; 99.990000%=897; 0%=0; 0%=0; 0%=0; 232; 914; 377.598079; 178.867
540; 144; 152; 98.013245%; 148.000000; 5.656854; 97.305389%; 1.297405%; 162; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 21.05%; 63.16%; 7.89%; 7.89%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      Round nr. 4
20230502 10:31 root      INFO      Offset 3000587550720.0
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 53440; 53386; 834; 1001; 4; 41; 7.876808; 3.794267; 212; 24901; 551.84872
7; 1032.458464; 1.000000%=214; 5.000000%=214; 10.000000%=216; 20.000000%=220; 30.000000%=222; 40.000000%=232; 50.00
0000%=272; 60.000000%=292; 70.000000%=309; 80.000000%=444; 90.000000%=1810; 95.000000%=1957; 99.000000%=2375; 99.5
00000%=2408; 99.900000%=24772; 99.950000%=24772; 99.990000%=24772; 0%=0; 0%=0; 0%=0; 217; 24944; 559.882394; 1033.600
589; 52480; 54272; 99.981268%; 53376.000000; 1267.135352; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.0
00000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.00000
0%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=
0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 50.900000%; 2.900000%; 1419; 0; 9; 100.0%
; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 43.95%; 36.29%; 3.59%; 1.32%; 10.54%; 4.19%; 0
.00%; 0.00%; 0.12%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 2490; 0; 0; 0; 1039; 0; 1039; 91.78%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2240; 2224; 139; 1007; 5; 41; 12.397157; 4.666287; 135; 2272; 475.721050;
574.840891; 1.000000%=136; 5.000000%=138; 10.000000%=142; 20.000000%=148; 30.000000%=175; 40.000000%=181; 50.00000
0%=197; 60.000000%=232; 70.000000%=329; 80.000000%=618; 90.000000%=1581; 95.000000%=2023; 99.000000%=2244; 99.5000
00%=2277; 99.900000%=2277; 99.950000%=2277; 99.990000%=2277; 0%=0; 0%=0; 0%=0; 142; 2281; 488.346779; 573.844869; 2176
; 2272; 100.000000%; 2224.000000; 67.882251; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.0
00000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0000
00%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0;
0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 93.240557%; 0.099404%; 295; 0; 9; 100.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 62.86%; 13.57%; 7.14%; 1.43%; 9.29%; 5.71%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
```

```
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 156; 153; 38; 1018; 11; 35; 19.184410; 5.654755; 111; 2240; 210.579692; 33
7.056620; 1.000000%=112; 5.000000%=112; 10.000000%=114; 20.000000%=116; 30.000000%=117; 40.000000%=118; 50.000000%
=171; 60.000000%=177; 70.000000%=181; 80.000000%=189; 90.000000%=197; 95.000000%=370; 99.000000%=2244; 99.500000%=
2244; 99.900000%=2244; 99.950000%=2244; 99.990000%=2244; 0%=0; 0%=0; 0%=0; 125; 2255; 230.109615; 337.064084; 152; 152;
99.346405%; 152.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0;
10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.
000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0;
0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 99.115044%; 0.000000%; 156; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 94.87%; 2.56%; 0.00%; 0.00%; 0.00%; 2.56%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 61056; 60995; 953; 1001; 5; 41; 7.886882; 2.235324; 212; 2468; 487.245444
; 573.231728; 1.000000%=214; 5.000000%=214; 10.000000%=216; 20.000000%=218; 30.000000%=220; 40.000000%=230; 50.0000
00%=264; 60.000000%=288; 70.000000%=305; 80.000000%=329; 90.000000%=1777; 95.000000%=1941; 99.000000%=2375; 99.500
000%=2408; 99.900000%=2473; 99.950000%=2473; 99.990000%=2473; 0%=0; 0%=0; 0%=0; 218; 2475; 495.288037; 573.838907; 614
40; 61440; 100.000000%; 61440.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0;
5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0
00000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%
=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 52.200000%; 1.500000%; 1534; 0; 10; 100.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 45.49%; 38.47%; 2.10%; 1.05%; 8.60%; 4.30%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 1141; 0; 0; 0; 463; 0; 463; 82.57%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
```

```
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2272; 2258; 141; 1006; 7; 42; 14.504683; 3.796593; 132; 2565; 579.564063;
576.151963; 1.000000%=134; 5.000000%=138; 10.000000%=142; 20.000000%=150; 30.000000%=179; 40.000000%=205; 50.000000
0%=284; 60.000000%=522; 70.000000%=618; 80.000000%=888; 90.000000%=1630; 95.000000%=1925; 99.000000%=2244; 99.5000
00%=2572; 99.900000%=2572; 99.950000%=2572; 99.990000%=2572; 0%=0; 0%=0; 0%=0; 144; 2576; 594.237775; 575.119724; 2240
; 2272; 99.911426%; 2256.000000; 22.627417; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
0000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000
0%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 90.845771%; 0.895522%; 290; 0; 9; 100.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 47.18%; 12.68%; 14.08%; 9.15%; 13.38%; 3.52%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 149; 37; 1014; 12; 40; 19.429921; 5.611050; 113; 2317; 590.919789; 76
5.521993; 1.000000%=114; 5.000000%=116; 10.000000%=120; 20.000000%=124; 30.000000%=128; 40.000000%=160; 50.000000%
=177; 60.000000%=179; 70.000000%=209; 80.000000%=1646; 90.000000%=1892; 95.000000%=2277; 99.000000%=2310; 99.500000
0%=2310; 99.900000%=2310; 99.950000%=2310; 99.990000%=2310; 0%=0; 0%=0; 0%=0; 127; 2334; 610.865895; 763.393708; 144; 1
52; 99.328859%; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%
=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0;
90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0
; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 97.235933%; 0.493583%; 153; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 71.05%; 2.63%; 0.00%; 0.00%; 18.42%; 7.89%; 0.00%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 402; 0; 0; 0; 169; 0; 168; 41.68%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
```



```
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 23360; 23313; 364; 1002; 5; 48; 12.760466; 4.583628
; 337; 17530; 1941.069003; 3497.562137; 1.000000%=342; 5.000000%=346; 10.000000%=346; 20.000000%=354; 30.000000%=370
; 40.000000%=411; 50.000000%=432; 60.000000%=448; 70.000000%=473; 80.000000%=823; 90.000000%=10289; 95.000000%=105
51; 99.000000%=10944; 99.500000%=11206; 99.900000%=17432; 99.950000%=17432; 99.990000%=17432; 0%=0; 0%=0; 0%=0; 343;
17550; 1954.013230; 3498.659449; 22272; 24320; 99.927079%; 23296.000000; 1448.154688; 26.773227%; 1.998002%; 586; 0; 10
; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 72.60%; 5.48%; 4.66%; 0.27%; 1.
10%; 3.29%; 12.60%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 911; 326; 0; 0; 877; 622; 1498; 90.89%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 1648; 1646; 102; 1001; 7; 53; 17.999922; 9.563283; 2
60; 10790; 2729.471311; 2598.796343; 1.000000%=264; 5.000000%=276; 10.000000%=301; 20.000000%=329; 30.000000%=362; 4
0.000000%=518; 50.000000%=2736; 60.000000%=4079; 70.000000%=4423; 80.000000%=4489; 90.000000%=4620; 95.000000%=73
07; 99.000000%=10682; 99.500000%=10813; 99.900000%=10813; 99.950000%=10813; 99.990000%=10813; 0%=0; 0%=0; 0%=0; 271;
10798; 2747.782932; 2597.413047; 1664; 1664; 100.000000%; 1664.000000; 0.000000; 71.800000%; 0.000000%; 221; 0; 11; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 39.81%; 4.85%; 0.97%; 0.00%; 12.62%;
38.83%; 2.91%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 479; 38; 0; 0; 317; 89; 406; 70.68%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 4k
```

```
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 152; 151; 37; 1005; 12; 39; 16.442711; 5.269414; 255
; 2130; 434.217368; 320.050998; 1.000000%=254; 5.000000%=257; 10.000000%=268; 20.000000%=309; 30.000000%=337; 40.000
000%=346; 50.000000%=346; 60.000000%=354; 70.000000%=362; 80.000000%=387; 90.000000%=733; 95.000000%=880; 99.00000
0%=2146; 99.500000%=2146; 99.900000%=2146; 99.950000%=2146; 99.990000%=2146; 0%=0; 0%=0; 0%=0; 270; 2146; 451.036395;
320.172736; 144; 152; 98.013245%; 148.000000; 5.656854; 97.609562%; 0.796813%; 152; 0; 14; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 84.21%; 7.89%; 5.26%; 0.00%; 2.63%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      Round nr. 5
20230502 10:31 root      INFO      Offset 3750734438400.0
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 52608; 52608; 822; 1000; 4; 41; 8.542358; 4.000836; 209; 16521; 537.78665
7; 812.056343; 1.000000%=211; 5.000000%=214; 10.000000%=216; 20.000000%=220; 30.000000%=222; 40.000000%=232; 50.000
000%=276; 60.000000%=292; 70.000000%=309; 80.000000%=407; 90.000000%=1761; 95.000000%=1990; 99.000000%=2375; 99.50
0000%=2441; 99.900000%=16580; 99.950000%=16580; 99.990000%=16580; 0%=0; 0%=0; 0%=0; 214; 16563; 546.500611; 813.24524
6; 50304; 54784; 99.878345%; 52544.000000; 3167.838380; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000
000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%
=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0;
0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 51.100000%; 3.800000%; 1401; 0; 9; 100.0%; 0
.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 42.94%; 37.59%; 3.28%; 0.97%; 10.71%; 4.38%; 0.0
0%; 0.12%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 2506; 0; 0; 0; 1030; 0; 1029; 91.78%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
```

```
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2160; 2155; 134; 1002; 5; 42; 11.357230; 7.740447; 128; 2321; 686.958037;
694.690959; 1.000000%=130; 5.000000%=132; 10.000000%=138; 20.000000%=144; 30.000000%=177; 40.000000%=191; 50.000000
0%=224; 60.000000%=569; 70.000000%=888; 80.000000%=1515; 90.000000%=1875; 95.000000%=2088; 99.000000%=2310; 99.500
000%=2310; 99.900000%=2310; 99.950000%=2310; 99.990000%=2310; 0%=0; 0%=0; 0%=0; 136; 2331; 698.579237; 694.897750; 214
4; 2144; 99.489559%; 2144.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
0000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000
0%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 88.911089%; 1.798202%; 297; 0; 10; 100.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 53.33%; 4.44%; 6.67%; 8.15%; 20.74%; 6.67%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 1284; 0; 0; 0; 492; 0; 492; 80.11%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 156; 153; 38; 1019; 10; 43; 18.023641; 6.200694; 111; 1898; 208.077333; 29
0.728205; 1.000000%=112; 5.000000%=112; 10.000000%=112; 20.000000%=114; 30.000000%=116; 40.000000%=124; 50.000000%
=168; 60.000000%=171; 70.000000%=175; 80.000000%=179; 90.000000%=209; 95.000000%=634; 99.000000%=1892; 99.500000%=
1892; 99.900000%=1892; 99.950000%=1892; 99.990000%=1892; 0%=0; 0%=0; 0%=0; 123; 1921; 226.352128; 292.101802; 151; 152;
99.019608%; 151.500000; 0.707107; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0;
10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.
000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0;
0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 97.838900%; 0.982318%; 159; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 92.31%; 2.56%; 2.56%; 0.00%; 2.56%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
```

```
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 58560; 58501; 914; 1001; 4; 40; 7.908181; 3.516852; 210; 2455; 493.155696
; 569.800265; 1.000000%=211; 5.000000%=211; 10.000000%=214; 20.000000%=216; 30.000000%=220; 40.000000%=238; 50.0000
00%=276; 60.000000%=292; 70.000000%=305; 80.000000%=337; 90.000000%=1761; 95.000000%=1925; 99.000000%=2375; 99.500
000%=2408; 99.900000%=2441; 99.950000%=2441; 99.990000%=2441; 0%=0; 0%=0; 0%=0; 214; 2464; 501.239695; 570.933530; 588
80; 58880; 100.000000%; 58880.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0;
5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0
00000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%
=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 52.200000%; 2.600000%; 1503; 0; 9; 100.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 42.51%; 40.44%; 2.40%; 0.77%; 10.05%; 3.83%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 2587; 0; 0; 0; 1026; 0; 1026; 91.69%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 2240; 2231; 139; 1004; 7; 42; 14.629650; 4.845700; 130; 2353; 521.953029;
555.181680; 1.000000%=130; 5.000000%=132; 10.000000%=134; 20.000000%=146; 30.000000%=158; 40.000000%=187; 50.00000
0%=220; 60.000000%=313; 70.000000%=481; 80.000000%=970; 90.000000%=1400; 95.000000%=1581; 99.000000%=2310; 99.5000
00%=2342; 99.900000%=2342; 99.950000%=2342; 99.990000%=2342; 0%=0; 0%=0; 0%=0; 141; 2373; 536.816593; 554.865215; 2208
; 2240; 99.686239%; 2224.000000; 22.627417; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
0000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.00000
0%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 91.425723%; 1.196411%; 290; 0; 9; 100.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 53.57%; 16.43%; 5.00%; 5.00%; 16.43%; 3.57%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 4k
```

```
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 150; 37; 1007; 11; 38; 19.487105; 6.686878; 115; 2349; 545.162737; 73
4.569404; 1.000000%=116; 5.000000%=116; 10.000000%=117; 20.000000%=120; 30.000000%=127; 40.000000%=173; 50.000000%
=175; 60.000000%=181; 70.000000%=268; 80.000000%=978; 90.000000%=2277; 95.000000%=2277; 99.000000%=2342; 99.500000
%=2342; 99.900000%=2342; 99.950000%=2342; 99.990000%=2342; 0%=0; 0%=0; 0%=0; 127; 2361; 565.054632; 732.097775; 144; 15
2; 98.666667%; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=
0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 9
0.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0;
0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 96.322068%; 1.689861%; 160; 0; 10; 100.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 68.42%; 5.26%; 2.63%; 5.26%; 7.89%; 10.53%; 0.00%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 24576; 24551; 383; 1001; 4; 43; 10.939826; 5.293988
; 341; 19447; 1822.113745; 3376.244082; 1.000000%=342; 5.000000%=350; 10.000000%=354; 20.000000%=362; 30.000000%=366
; 40.000000%=415; 50.000000%=432; 60.000000%=448; 70.000000%=477; 80.000000%=847; 90.000000%=10289; 95.000000%=106
82; 99.000000%=10944; 99.500000%=11599; 99.900000%=19529; 99.950000%=19529; 99.990000%=19529; 0%=0; 0%=0; 0%=0; 346;
19469; 1833.237682; 3376.855388; 23808; 25216; 99.841147%; 24512.000000; 995.606348; 28.300000%; 1.700000%; 650; 0; 10;
100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 72.66%; 3.91%; 7.29%; 0.52%; 0.5
2%; 4.17%; 10.94%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 157; 54; 0; 0; 129; 88; 217; 62.90%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
```

3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 1616; 1611; 100; 1003; 6; 49; 18.993752; 9.740005; 1
88; 10723; 2992.617327; 2769.867844; 1.000000%=191; 5.000000%=214; 10.000000%=246; 20.000000%=301; 30.000000%=561; 4
0.000000%=905; 50.000000%=3162; 60.000000%=4014; 70.000000%=4292; 80.000000%=4489; 90.000000%=5013; 95.000000%=10
027; 99.000000%=10551; 99.500000%=10682; 99.900000%=10682; 99.950000%=10682; 99.990000%=10682; 0%=0; 0%=0; 0%=0; 199
; 10734; 3011.990277; 2767.153973; 1600; 1600; 99.317194%; 1600.000000; 0.000000; 68.962076%; 0.898204%; 215; 0; 10; 100.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 11.88%; 15.84%; 9.90%; 2.97%; 0.99%; 17.82%
; 34.65%; 5.94%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 452; 37; 0; 0; 338; 113; 452; 72.95%

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
```

3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 156; 153; 38; 1019; 15; 39; 22.047897; 5.245090; 187
; 2027; 323.169436; 310.459845; 1.000000%=187; 5.000000%=189; 10.000000%=191; 20.000000%=197; 30.000000%=209; 40.000
000%=272; 50.000000%=276; 60.000000%=280; 70.000000%=288; 80.000000%=296; 90.000000%=325; 95.000000%=1044; 99.0000
00%=2023; 99.500000%=2023; 99.900000%=2023; 99.950000%=2023; 99.990000%=2023; 0%=0; 0%=0; 0%=0; 205; 2042; 345.741051
; 309.433152; 152; 152; 99.346405%; 152.000000; 0.000000; 98.330059%; 0.392927%; 161; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%
; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 33.33%; 61.54%; 0.00%; 0.00%; 2.56%; 2.56%; 0.00%; 0.00%; 0.00%; 0.00%
; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      Round nr. 6
20230502 10:31 root      INFO      Offset 4500881326080.0
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
```

```
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 54720; 54720; 855; 1000; 4; 50; 8.644037; 3.699558; 211; 16744; 526.27819
5; 809.144834; 1.000000%=214; 5.000000%=216; 10.000000%=216; 20.000000%=220; 30.000000%=222; 40.000000%=228; 50.000
000%=268; 60.000000%=288; 70.000000%=305; 80.000000%=337; 90.000000%=1777; 95.000000%=1957; 99.000000%=2408; 99.50
0000%=2408; 99.900000%=16711; 99.950000%=16711; 99.990000%=16711; 0%=0; 0%=0; 0%=0; 217; 16795; 535.080542; 810.38136
6; 53632; 53632; 98.011696%; 53632.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000
%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0;
80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=
0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 51.000000%; 3.700000%; 1440; 0; 9; 100.0%; 0.0%
; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 45.38%; 36.49%; 3.16%; 0.94%; 9.12%; 4.80%; 0.00%; 0
.12%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 1772; 0; 0; 0; 725; 0; 725; 88.24%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 2240; 2233; 139; 1003; 5; 38; 12.332486; 6.910913; 132; 2715; 477.263464;
555.985886; 1.000000%=134; 5.000000%=138; 10.000000%=140; 20.000000%=146; 30.000000%=168; 40.000000%=177; 50.000000
%=193; 60.000000%=230; 70.000000%=460; 80.000000%=724; 90.000000%=1236; 95.000000%=1810; 99.000000%=2441; 99.5000
00%=2703; 99.900000%=2703; 99.950000%=2703; 99.990000%=2703; 0%=0; 0%=0; 0%=0; 140; 2720; 489.827736; 555.250220; 2208
; 2240; 99.596955%; 2224.000000; 22.627417; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
0000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000
%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 92.215569%; 0.998004%; 313; 0; 11; 100.0%; 0.0%; 0.0%; 0
.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 62.86%; 7.86%; 9.29%; 7.14%; 10.00%; 2.86%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST600NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=100', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 100
20230502 10:31 root      INFO      bs: 4k
```

```
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 151; 37; 1005; 10; 36; 17.268526; 6.914401; 115; 2191; 447.432632; 54
8.298012; 1.000000%=116; 5.000000%=116; 10.000000%=116; 20.000000%=125; 30.000000%=158; 40.000000%=171; 50.000000%
=173; 60.000000%=175; 70.000000%=321; 80.000000%=823; 90.000000%=1368; 95.000000%=2146; 99.000000%=2179; 99.500000
%=2179; 99.900000%=2179; 99.950000%=2179; 99.990000%=2179; 0%=0; 0%=0; 0%=0; 129; 2206; 465.113974; 547.022288; 144; 15
2; 98.013245; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=
0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 9
0.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0;
0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 98.107570; 0.000000; 159; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 65.79%; 7.89%; 5.26%; 7.89%; 7.89%; 5.26%; 0.00%; 0.00%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 52928; 52664; 822; 1005; 4; 49; 9.477930; 4.607119; 211; 2451; 505.000798
; 575.449522; 1.000000%=211; 5.000000%=214; 10.000000%=216; 20.000000%=220; 30.000000%=222; 40.000000%=230; 50.0000
00%=264; 60.000000%=292; 70.000000%=309; 80.000000%=366; 90.000000%=1728; 95.000000%=1941; 99.000000%=2277; 99.500
000%=2408; 99.900000%=2441; 99.950000%=2441; 99.990000%=2441; 0%=0; 0%=0; 0%=0; 217; 2458; 514.641082; 575.878101; 526
08; 53120; 100.000000%; 52864.000000; 362.038672; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=
0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80
.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0;
0%=0; 0%=0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 52.490040%; 4.482072%; 1409; 0; 9; 100.0%; 0.0%; 0
.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 45.95%; 35.43%; 3.39%; 0.97%; 9.79%; 4.47%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 2492; 0; 0; 0; 998; 0; 998; 91.29%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 16k
20230502 10:31 root      INFO
```


3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 2240; 2237; 139; 1001; 5; 43; 11.523743; 6.353326; 129; 2212; 522.947536;
556.457324; 1.000000%=130; 5.000000%=138; 10.000000%=140; 20.000000%=152; 30.000000%=179; 40.000000%=191; 50.0000
0%=216; 60.000000%=296; 70.000000%=544; 80.000000%=897; 90.000000%=1449; 95.000000%=1875; 99.000000%=2179; 99.5000
00%=2211; 99.900000%=2211; 99.950000%=2211; 99.990000%=2211; 0%=0; 0%=0; 0%=0; 136; 2219; 534.654121; 555.995668; 2208
; 2240; 99.418865%; 2224.000000; 22.627417; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
00000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.00000
0%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 91.600000%; 1.100000%; 301; 0; 10; 100.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 57.14%; 11.43%; 7.14%; 7.14%; 14.29%; 2.86%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 50
20230502 10:31 root      INFO      bs: 4k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 152; 150; 37; 1012; 9; 39; 19.132079; 6.021723; 113; 2240; 501.496211; 684
.494822; 1.000000%=113; 5.000000%=115; 10.000000%=117; 20.000000%=121; 30.000000%=125; 40.000000%=175; 50.000000%=
179; 60.000000%=187; 70.000000%=209; 80.000000%=585; 90.000000%=1875; 95.000000%=2146; 99.000000%=2244; 99.500000%
=2244; 99.900000%=2244; 99.950000%=2244; 99.990000%=2244; 0%=0; 0%=0; 0%=0; 130; 2254; 521.055500; 682.917086; 144; 152
; 98.666667%; 148.000000; 5.656854; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0
; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90
.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0
; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 97.428289%; 0.593472%; 162; 0; 10; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%
; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 71.05%; 5.26%; 5.26%; 0.00%; 13.16%; 5.26%; 0.00%; 0.00%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:31 root      INFO      #####
20230502 10:31 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:31 root      INFO      mixLoad: 0
20230502 10:31 root      INFO      bs: 64k
20230502 10:31 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000% = 0
```

;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;24768;24743;386;1001;4;45;11.195886;4.946831;301;20615;1826.456625;3445.927905;1.000000%=301;5.000000%=305;10.000000%=309;20.000000%=317;30.000000%=325;40.000000%=358;50.000000%=387;60.000000%=403;70.000000%=432;80.000000%=749;90.000000%=10158;95.000000%=10551;99.000000%=10813;99.500000%=11337;99.900000%=20578;99.950000%=20578;99.990000%=20578;0%=0;0%=0;0%=0;307;20632;1837.841359;3446.137789;25344;25344;100.000000%;25344.000000;0.000000;27.400000%;1.600000%;669;0;11;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;77.26%;3.10%;3.62%;0.00%;0.52%;4.65%;10.59%;0.26%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;677;249;0;0;618;440;1059;86.52%

20230502 10:31 root INFO #####

20230502 10:31 root INFO ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf', '--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1', '--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k', '--minimal', '--time_based', '--refill_buffers', '--group_reporting']

20230502 10:32 root INFO mixLoad: 0

20230502 10:32 root INFO bs: 16k

20230502 10:32 root INFO

3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 1648; 1646; 102; 1001; 6; 58; 13.431155; 8.609409; 227; 10821; 2886.652981; 2758.445257; 1.000000%=230; 5.000000%=242; 10.000000%=250; 20.000000%=288; 30.000000%=346; 40.000000%=724; 50.000000%=3260; 60.000000%=4227; 70.000000%=4358; 80.000000%=4423; 90.000000%=4620; 95.000000%=9502; 99.000000%=10682; 99.500000%=10813; 99.900000%=10813; 99.950000%=10813; 99.990000%=10813; 0%=0; 0%=0; 0%=0; 239; 10829; 2900.303573; 2757.266563; 1536; 1728; 99.149453%; 1632.000000; 135.764502; 69.330669%; 1.198801%; 225; 0; 10; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 9.71%; 26.21%; 4.85%; 3.88%; 0.97%; 9.71%; 39.81%; 4.85%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 449; 34; 0; 0; 344; 122; 467; 69.74%

20230502 10:32 root INFO #####

20230502 10:32 root INFO ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf', '--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1', '--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k', '--minimal', '--time_based', '--refill_buffers', '--group_reporting']

20230502 10:32 root INFO mixLoad: 0

20230502 10:32 root INFO bs: 4k

20230502 10:32 root INFO

3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.

000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0
%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;156;153;38;1016;13;37;19.675256;5.465684;219
;889;329.708744;134.978297;1.000000%=220;5.000000%=222;10.000000%=226;20.000000%=244;30.000000%=288;40.0000
00%=301;50.000000%=305;60.000000%=313;70.000000%=325;80.000000%=342;90.000000%=370;95.000000%=782;99.000000
%=888;99.500000%=888;99.900000%=888;99.950000%=888;99.990000%=888;0%=0;0%=0;0%=0;237;906;349.874205;135.168
952;151;152;99.019608%;151.500000;0.707107;98.325123%;0.492611%;158;0;12;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.
0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;23.08%;69.23%;2.56%;5.13%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;
0.00%;0.00%;0.00%;0.00%;0.00%;sdf;0;0;0;0;0;0;0;0.00%

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 7
20230502 10:32 root      INFO      Offset 5251028213760.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=100', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      mixLoad: 100
20230502 10:32 root      INFO      bs: 64k
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;55872;55760;871;1002;4;43;8.163790;3.818833;210;6950;511.705102
;622.540016;1.000000%=211;5.000000%=214;10.000000%=216;20.000000%=218;30.000000%=222;40.000000%=230;50.0000
00%=268;60.000000%=288;70.000000%=305;80.000000%=342;90.000000%=1761;95.000000%=1990;99.000000%=2342;99.500
000%=2375;99.900000%=6979;99.950000%=6979;99.990000%=6979;0%=0;0%=0;0%=0;215;7001;520.035151;623.493491;552
96;56320;100.000000%;55808.000000;724.077344;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=
0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80
.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;
0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;50.149850%;4.795205%;1456;0;10;100.0%;0.0%;
0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;45.02%;37.11%;2.29%;1.60%;9.28%;4.58%;0.11%;0.
00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;2530;0;0;0;1016;0;1016;91.29%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=100', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      mixLoad: 100
20230502 10:32 root      INFO      bs: 16k
20230502 10:32 root      INFO
```

[illegible]

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=50', '--bs=64k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      mixLoad: 50
20230502 10:32 root      INFO      bs: 64k
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 54656; 54656; 854; 1000; 4; 42; 7.870084; 3.676761; 210; 2428; 501.605410
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=50', '--bs=16k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      mixLoad: 50
20230502 10:32 root      INFO      bs: 16k
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 2288; 2272; 142; 1007; 5; 39; 11.543049; 5.663158; 130; 2164; 450.452455;
509.074200; 1.000000%=132; 5.000000%=134; 10.000000%=144; 20.000000%=148; 30.000000%=171; 40.000000%=181; 50.00000
0%=189; 60.000000%=226; 70.000000%=378; 80.000000%=733; 90.000000%=1204; 95.000000%=1744; 99.000000%=2146; 99.5000
00%=2179; 99.900000%=2179; 99.950000%=2179; 99.990000%=2179; 0%=0; 0%=0; 0%=0; 139; 2174; 462.161266; 508.182346; 2235
; 2304; 99.889965%; 2269.500000; 48.790368; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.00
0000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.00000
0%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0
%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 92.842942%; 0.695825%; 327; 0; 10; 100.0%; 0.0%; 0.0%; 0.
0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 65.03%; 9.79%; 5.59%; 6.29%; 10.49%; 2.80%; 0.00%; 0.00%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 0; 0; 0; 0; 0; 0; 0.00%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=50', '--bs=4k',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      mixLoad: 50
20230502 10:32 root      INFO      bs: 4k
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;156;152;38;1025;12;52;20.163487;7.612158;114;2320;290.278718;49
9.632913;1.000000%=114;5.000000%=115;10.000000%=116;20.000000%=119;30.000000%=121;40.000000%=127;50.000000%
```

=168;60.000000%=175;70.000000%=179;80.000000%=185;90.000000%=284;95.000000%=2211;99.000000%=2310;99.500000%=2310;99.900000%=2310;99.950000%=2310;99.990000%=2310;0%=0;0%=0;0%=0;129;2334;310.719897;498.919358;152;152;100.000000%;152.000000;0.000000;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;97.363281%;1.269531%;158;0;11;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;89.74%;2.56%;0.00%;0.00%;2.56%;5.13%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;0;0;0;0;0;0;0.00%

20230502 10:32 root INFO #####

20230502 10:32 root INFO ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf', '--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1', '--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=0', '--bs=64k', '--minimal', '--time_based', '--refill_buffers', '--group_reporting']

20230502 10:32 root INFO mixLoad: 0

20230502 10:32 root INFO bs: 64k

20230502 10:32 root INFO

3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0%=0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;25024;25024;391;1000;4;44;10.996573;5.101250;298;15530;1801.856903;3377.387962;1.000000%=301;5.000000%=305;10.000000%=309;20.000000%=313;30.000000%=325;40.000000%=358;50.000000%=382;60.000000%=399;70.000000%=428;80.000000%=593;90.000000%=10158;95.000000%=10420;99.000000%=10813;99.500000%=11206;99.900000%=15532;99.950000%=15532;99.990000%=15532;0%=0;0%=0;0%=0;304;15550;1813.043872;3377.292632;25088;25088;100.000000%;25088.000000;0.000000;27.500000%;1.800000%;680;0;10;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;78.01%;4.09%;2.05%;0.00%;0.26%;5.37%;10.23%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;911;344;0;0;862;623;1484;90.89%

20230502 10:32 root INFO #####

20230502 10:32 root INFO ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf', '--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1', '--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=0', '--bs=16k', '--minimal', '--time_based', '--refill_buffers', '--group_reporting']

20230502 10:32 root INFO mixLoad: 0

20230502 10:32 root INFO bs: 16k

20230502 10:32 root INFO

3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0

%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;1664;1654;103;1006;7;50;15.719577;7.613416;22;10848;2864.585865;2654.092830;1.000000%=236;5.000000%=242;10.000000%=268;20.000000%=292;30.000000%=342;40.000000%=757;50.000000%=3227;60.000000%=4177;70.000000%=4423;80.000000%=4489;90.000000%=4947;95.000000%=8585;99.000000%=10682;99.500000%=10813;99.900000%=10813;99.950000%=10813;99.990000%=10813;0%=0;0%=0;0%=0;231;10861;2880.518548;2654.225691;1600;1696;99.637243%;1648.000000;67.882251;68.557214%;1.293532%;236;0;12;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;8.65%;25.00%;5.77%;4.81%;1.92%;7.69%;43.27%;2.88%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;782;65;0;0;530;166;695;77.01%

20230502 10:32 root INFO #####

20230502 10:32 root INFO ['/usr/bin/fio', '--rw=randrw', '--filename=/dev/sdf', '--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1', '--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--rwmixread=0', '--bs=4k', '--minimal', '--time_based', '--refill_buffers', '--group_reporting']

20230502 10:32 root INFO mixLoad: 0

20230502 10:32 root INFO bs: 4k

20230502 10:32 root INFO

3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;156;153;38;1015;11;40;15.759667;5.497803;216;1163;364.952205;214.319309;1.000000%=216;5.000000%=220;10.000000%=224;20.000000%=254;30.000000%=296;40.000000%=305;50.000000%=309;60.000000%=309;70.000000%=321;80.000000%=342;90.000000%=643;95.000000%=1073;99.000000%=1171;99.500000%=1171;99.900000%=1171;99.950000%=1171;99.990000%=1171;0%=0;0%=0;0%=0;232;1179;381.129718;214.558869;152;152;99.346405%;152.000000;0.000000;97.633136%;1.282051%;157;0;12;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;17.95%;69.23%;5.13%;2.56%;5.13%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;0;0;0;0;0;0;0;0;0.00%

20230502 10:32 root INFO #####

20230502 10:32 root INFO IOPS rounds:

20230502 10:32 root INFO 8

20230502 10:32 root INFO Round matrices:

20230502 10:32 root INFO [[[128, 267, 130], [174, 324, 251], [371, 764, 1699]], [[77, 83, 81], [137, 250, 364], [312, 19, 98]], [[507, 159, 61], [547, 138, 65], [530, 147, 68]], [[343, 101, 37], [869, 137, 37], [360, 105, 37]], [[834, 139, 38], [953, 141, 37], [364, 102, 37]], [[822, 134, 38], [914, 139, 37], [383, 100, 38]], [[855, 139, 37], [822, 139, 37], [386, 102, 38]], [[871, 136, 36], [854, 142, 38], [391, 103, 38]]]

20230502 10:32 root INFO # Sleeping for 5 seconds...

20230502 10:32 root INFO ##### Starting HDD TP Test #####

20230502 10:32 root INFO Increment in byte: 750146887680.0

[illegible]

561;1582;92.59%

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 1
20230502 10:32 root      INFO      Offset 750146887680.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--bs=1024k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 222208; 221764; 216; 1002; 42; 597; 48.629733; 37.453421; 4080; 24964; 45
63.450138; 1434.972001; 1.000000%=4079; 5.000000%=4079; 10.000000%=4112; 20.000000%=4227; 30.000000%=4227; 40.0000
00%=4358; 50.000000%=4489; 60.000000%=4554; 70.000000%=4620; 80.000000%=4685; 90.000000%=4751; 95.000000%=4816; 99
.000000%=6389; 99.500000%=6455; 99.900000%=25034; 99.950000%=25034; 99.990000%=25034; 0%=0; 0%=0; 0%=0; 4126; 25563;
4612.305120; 1471.345051; 215040; 227328; 99.738461%; 221184.000000; 8688.928127; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0;
0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=
0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 9
9.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 1.298701%; 0.0
00000; 217; 0; 268; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.0%; 99.54%; 0.00%; 0.46%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 194; 0; 0; 0; 888; 0; 888; 90.
18%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--bs=1024k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 79872; 79712; 77; 1002; 48; 103; 54.311103; 7.41195
1; 11097; 14363; 12351.113564; 406.336365; 1.000000%=11075; 5.000000%=12124; 10.000000%=12124; 20.000000%=12124; 30.
000000%=12124; 40.000000%=12124; 50.000000%=12255; 60.000000%=12517; 70.000000%=12517; 80.000000%=12517; 90.00000
0%=12517; 95.000000%=12517; 99.000000%=14352; 99.500000%=14352; 99.900000%=14352; 99.950000%=14352; 99.990000%=14
352; 0%=0; 0%=0; 0%=0; 11202; 14416; 12405.856308; 404.334039; 77824; 79872; 98.916098%; 78848.000000; 1448.154688; 3.99
```

6004%;0.000000%;78;0;11;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;100.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;49;139;0;0;20;1557;1577;92.28%

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 2
20230502 10:32 root      INFO      Offset 1500293775360.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--bs=1024k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;505856;504846;493;1002;41;557;47.697927;23.200689;1942;14619;19
78.351727;570.231175;1.000000%=1941;5.000000%=1941;10.000000%=1941;20.000000%=1941;30.000000%=1941;40.00000
0%=1941;50.000000%=1941;60.000000%=1957;70.000000%=1957;80.000000%=1957;90.000000%=1957;95.000000%=1957;99.
000000%=1974;99.500000%=1990;99.900000%=14614;99.950000%=14614;99.990000%=14614;0%=0;0%=0;0%=0;1988;15178;2
026.263381;593.269284;497664;512000;99.997227%;504832.000000;10137.082815;0;0;0;0;0;0;0.000000;0.000000;0;0
;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0
;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99
.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;0.000000;2.99
7003%;494;0;268;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;
0.00%;99.60%;0.20%;0.00%;0.20%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;442;0;0;0;876;0;875;90.1
8%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0
;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.
000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0
%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;121856;121734;118;1001;29;67;33.800193;5.415
267;7816;16817;7951.574361;819.903685;1.000000%=7831;5.000000%=7831;10.000000%=7831;20.000000%=7831;30.0000
00%=7831;40.000000%=7897;50.000000%=7897;60.000000%=7897;70.000000%=7897;80.000000%=7897;90.000000%=7897;95
```

```
.000000%=7897;99.000000%=7962;99.500000%=16908;99.900000%=16908;99.950000%=16908;99.990000%=16908;0%=0;0%=0  
;0%=0;7855;16889;7985.780370;823.410790;120832;120832;99.259040%;120832.000000;0.000000;4.700000%;0.800000%  
;120;0;11;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;  
0.00%;0.00%;99.16%;0.84%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000% = 0; 5.000000% = 0; 10.000000% = 0; 20.000000% = 0; 30.000000% = 0; 40.000000% = 0; 50.000000% = 0; 60.000000% = 0; 70.000000% = 0; 80.000000% = 0; 90.000000% = 0; 95.000000% = 0; 99.000000% = 0; 99.500000% = 0; 99.900000% = 0; 99.950000% = 0; 99.990000% = 0; 0% = 0; 0% = 0; 0% = 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 121856; 121370; 118; 1004; 44; 91; 51.503118; 6.950656; 7819; 19283; 7956.109042; 1047.436157; 1.000000% = 7831; 5.000000% = 7831; 10.000000% = 7831; 20.000000% = 7831; 30.000000% = 7831; 40.000000% = 7831; 50.000000% = 7831; 60.000000% = 7831; 70.000000% = 7897; 80.000000% = 7897; 90.000000% = 7897; 9
```

5.000000%=7897;99.000000%=7897;99.500000%=19267;99.900000%=19267;99.950000%=19267;99.990000%=19267;0%=0;0%=0;0%=0;7873;19381;8007.897134;1051.621476;118784;122880;99.556727%;120832.000000;2896.309376;5.284148%;0.498504%;120;0;11;100.0%;99.16%;0.84%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;50;212;0;0;20;1448;1469;92.59%

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 4
20230502 10:32 root      INFO      Offset 3000587550720.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--bs=1024k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;507904;506890;495;1002;58;639;67.057601;26.129035;1870;20538;19
50.465609;842.886253;1.000000%=1875;5.000000%=1875;10.000000%=1875;20.000000%=1875;30.000000%=1875;40.00000
0%=1875;50.000000%=1875;60.000000%=1892;70.000000%=1892;80.000000%=1892;90.000000%=1892;95.000000%=2277;99.
000000%=2342;99.500000%=2408;99.900000%=20578;99.950000%=20578;99.990000%=20578;0%=0;0%=0;0%=0;1939;21178;2
017.753351;868.527330;495616;518144;99.998027%;506880.000000;15929.701567;0;0;0;0;0;0;0.000000;0.000000;0;0
;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0
;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99
.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;0.000000;0.000000;4.09
5904%;496;0;268;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;
0.00%;93.35%;6.45%;0.00%;0.00%;0.20%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;887;0;0;0;1329;0;1329;90
.58%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;0;0;0;0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;1.000000%=0
;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%=0;60.000000%=0;70.000000%=0;80.
000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0
%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000;0.000000;0.000000;121856;121734;118;1001;42;101;50.311723;8.38
```

[illegible][illegible]

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
```

000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;99.950000%=0;99.990000%=0;0%=0;0
%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;122880;121904;119;1008;29;68;33.828000;4.631
082;7834;15101;7935.677542;660.015555;1.000000%=7831;5.000000%=7831;10.000000%=7831;20.000000%=7831;30.0000
00%=7831;40.000000%=7897;50.000000%=7897;60.000000%=7897;70.000000%=7897;80.000000%=7897;90.000000%=7897;95
.000000%=7897;99.000000%=7897;99.500000%=15138;99.900000%=15138;99.950000%=15138;99.990000%=15138;0%=0;0%=0
;0%=0;7872;15176;7969.774933;663.732122;120832;122880;99.960625%;121856.000000;1448.154688;4.071500%;1.4895
73%;120;0;11;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0
0%;0.00%;0.00%;99.17%;0.83%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;49;106;0;0;21;842;862;92.28
%

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 6
20230502 10:32 root      INFO      Offset 4500881326080.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--bs=1024k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3;fio-3.16;ST6000NM0115-1YZ110_ZAD9F21V;0;0;493568;492582;481;1002;47;604;54.666421;25.355150;1948;33504;20
21.421008;1437.143556;1.000000%=1941;5.000000%=1957;10.000000%=1957;20.000000%=1957;30.000000%=1957;40.0000
00%=1957;50.000000%=1957;60.000000%=1957;70.000000%=1957;80.000000%=1957;90.000000%=1957;95.000000%=1974;99
.000000%=1974;99.500000%=1990;99.900000%=33423;99.950000%=33423;99.990000%=33423;0%=0;0%=0;0%=0;1997;34110;
2076.290384;1462.277179;475136;509952;99.992286%;492544.000000;24618.629694;0;0;0;0;0;0.000000;0.000000;0
;0;0.000000;0.000000;1.000000%=0;5.000000%=0;10.000000%=0;20.000000%=0;30.000000%=0;40.000000%=0;50.000000%
=0;60.000000%=0;70.000000%=0;80.000000%=0;90.000000%=0;95.000000%=0;99.000000%=0;99.500000%=0;99.900000%=0;
99.950000%=0;99.990000%=0;0%=0;0%=0;0%=0;0;0;0.000000;0.000000;0;0;0.000000%;0.000000;0.000000;0.000000%;3.
296703%;482;0;269;100.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.0%;0.00
%;0.00%;99.59%;0.21%;0.00%;0.00%;0.21%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;0.00%;sdf;430;0;0;0;874;0;873;90
.18%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
```

[illegible][illegible]

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--bs=1024k', '--rw=write',
'--minimal', '--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
```

```
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0;
5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 61440; 60891; 59; 1009; 48; 106; 53.242567; 7.71747
8; 16148; 24588; 16316.872817; 1085.974300; 1.000000%=16187; 5.000000%=16187; 10.000000%=16187; 20.000000%=16187; 30
.000000%=16187; 40.000000%=16187; 50.000000%=16187; 60.000000%=16187; 70.000000%=16187; 80.000000%=16187; 90.0000
00%=16187; 95.000000%=16187; 99.000000%=24510; 99.500000%=24510; 99.900000%=24510; 99.950000%=24510; 99.990000%=2
4510; 0%=0; 0%=0; 0%=0; 16209; 24701; 16370.579650; 1093.806317; 59392; 61440; 99.219918%; 60416.000000; 1448.154688; 2.
777778%; 0.297619%; 60; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 98.33%; 1.67%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 50; 106; 0; 0; 21;
1538; 1558; 91.38%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Current block size. 4k
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 0
20230502 10:32 root      INFO      Offset 0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal', '--time_based',
'--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 91484; 91392; 22848; 1001; 2; 46; 3.804060; 1.940827; 18; 11512; 39.18285
5; 78.709844; 1.000000%=33; 5.000000%=33; 10.000000%=33; 20.000000%=33; 30.000000%=33; 40.000000%=33; 50.000000%=34
; 60.000000%=34; 70.000000%=34; 80.000000%=35; 90.000000%=36; 95.000000%=50; 99.000000%=134; 99.500000%=140; 99.900
000%=168; 99.950000%=177; 99.990000%=321; 0%=0; 0%=0; 0%=0; 35; 11517; 43.111347; 78.820947; 81424; 81424; 89.093137%; 8
1424.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.000000%
=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=0;
95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000; 0
.000000; 0; 0; 0.000000; 0.000000; 0.000000; 6.600000%; 13.300000%; 22874; 0; 13; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.00%; 0.00%; 0.00%; 0.11%; 94.41%; 1.17%; 4.28%; 0.01%; 0.00%; 0.00%; 0.01%; 0.00%; 0.00%; 0.01%; 0.00%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 20270; 0; 0; 0; 796; 0; 796; 90.27%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```



```
'--runtime=1', '--offset=0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal', '--time_based',
'--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 93928; 93834; 23458; 1001; 2; 41; 3.515799; 1.26600
9; 21; 830; 37.198252; 11.441835; 1.000000%=35; 5.000000%=35; 10.000000%=35; 20.000000%=35; 30.000000%=36; 40.000000%
=36; 50.000000%=36; 60.000000%=36; 70.000000%=36; 80.000000%=36; 90.000000%=37; 95.000000%=39; 99.000000%=52; 99.50
0000%=74; 99.900000%=168; 99.950000%=195; 99.990000%=395; 0%=0; 0%=0; 0%=0; 37; 833; 40.847172; 11.610715; 93672; 93672
; 99.827355%; 93672.000000; 0.000000; 6.200000%; 15.900000%; 23488; 0; 13; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00
%; 0.00%; 0.00%; 98.22%; 1.28%; 0.47%; 0.02%; 0.01%; 0.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; sdf; 51; 21071; 0; 0; 34; 774; 809; 93.88%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 1
20230502 10:32 root      INFO      Offset 750146887680.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 100648; 100547; 25136; 1001; 2; 47; 3.617691; 1.725442; 17; 19219; 35.351
191; 121.213878; 1.000000%=32; 5.000000%=32; 10.000000%=33; 20.000000%=33; 30.000000%=33; 40.000000%=33; 50.000000%
=33; 60.000000%=33; 70.000000%=34; 80.000000%=34; 90.000000%=35; 95.000000%=36; 99.000000%=49; 99.500000%=56; 99.90
0000%=168; 99.950000%=181; 99.990000%=264; 0%=0; 0%=0; 0%=0; 35; 19267; 39.089141; 121.509182; 99608; 99608; 99.066108%
; 99608.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0; 10.00000
0%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.000000%=
0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0; 0.000000
; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 4.700000%; 16.700000%; 25163; 0; 14; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0
.0%; 0.00%; 0.00%; 0.00%; 0.10%; 98.95%; 0.56%; 0.38%; 0.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.01%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 22576; 0; 0; 0; 787; 0; 787; 90.58%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=750146887680.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 94108; 94013; 23503; 1001; 2; 42; 3.496638; 1.33553
6; 20; 791; 37.161293; 11.888715; 1.000000%=35; 5.000000%=35; 10.000000%=35; 20.000000%=35; 30.000000%=35; 40.000000%
=36; 50.000000%=36; 60.000000%=36; 70.000000%=36; 80.000000%=36; 90.000000%=36; 95.000000%=39; 99.000000%=52; 99.50
0000%=68; 99.900000%=191; 99.950000%=207; 99.990000%=432; 0%=0; 0%=0; 0%=0; 38; 795; 40.798667; 12.048220; 93832; 93832
; 99.807473%; 93832.000000; 0.000000; 8.600000%; 13.300000%; 23530; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.00
%; 0.00%; 0.00%; 98.10%; 1.42%; 0.45%; 0.03%; 0.01%; 0.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; sdf; 49; 21105; 0; 0; 21; 776; 797; 92.68%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 2
20230502 10:32 root      INFO      Offset 1500293775360.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Read TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 29216; 29186; 7296; 1001; 3; 50; 5.529581; 1.743740; 100; 316; 130.311840
; 6.778723; 1.000000%=112; 5.000000%=123; 10.000000%=125; 20.000000%=126; 30.000000%=127; 40.000000%=128; 50.000000
%=129; 60.000000%=130; 70.000000%=132; 80.000000%=134; 90.000000%=138; 95.000000%=140; 99.000000%=146; 99.500000%=
150; 99.900000%=166; 99.950000%=175; 99.990000%=317; 0%=0; 0%=0; 0%=0; 108; 334; 136.036088; 6.343503; 29192; 29192; 100
.000000%; 29192.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000%=0;
10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0; 90.
000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0; 0; 0;
0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 3.200000%; 6.000000%; 7304; 0; 14; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.97%; 0.03%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 6559; 0; 0; 0; 851; 0; 851; 90.18%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=1500293775360.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:32 root      INFO      Write TP test:
20230502 10:32 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 17740; 17722; 4430; 1001; 3; 42; 6.344651; 4.080144
; 175; 287; 216.114275; 8.337818; 1.000000%=189; 5.000000%=201; 10.000000%=207; 20.000000%=211; 30.000000%=214; 40.00
0000%=216; 50.000000%=216; 60.000000%=218; 70.000000%=218; 80.000000%=220; 90.000000%=224; 95.000000%=228; 99.0000
00%=244; 99.500000%=246; 99.900000%=252; 99.950000%=264; 99.990000%=288; 0%=0; 0%=0; 0%=0; 183; 330; 222.711111; 6.892
857; 17776; 17776; 100.000000%; 17776.000000; 0.000000; 1.900000%; 5.100000%; 4436; 0; 13; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.86%; 0.14%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 52; 3984; 0; 0; 30; 860; 891; 93.69%
```

```
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      #####
20230502 10:32 root      INFO      Round nr. 3
20230502 10:32 root      INFO      Offset 2250440663040.0
20230502 10:32 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Read TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 28532; 28503; 7125; 1001; 3; 48; 5.251748; 1.455248; 105; 8621; 134.01345
0; 100.726998; 1.000000%=119; 5.000000%=127; 10.000000%=128; 20.000000%=129; 30.000000%=130; 40.000000%=130; 50.000
000%=132; 60.000000%=132; 70.000000%=134; 80.000000%=136; 90.000000%=140; 95.000000%=142; 99.000000%=144; 99.50000
0%=146; 99.900000%=156; 99.950000%=171; 99.990000%=8585; 0%=0; 0%=0; 0%=0; 110; 8671; 139.463714; 101.234383; 28288; 28
288; 99.245693%; 28288.000000; 0.000000; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.0000
00%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%
=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=
0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.000000; 1.500000%; 7.200000%; 7134; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%
; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.97%; 0.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.01%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 6402; 0; 0; 0; 854; 0; 854; 90.58%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=2250440663040.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Write TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 18108; 18089; 4522; 1001; 3; 45; 5.655158; 2.349821
; 179; 627; 212.550926; 10.962251; 1.000000%=191; 5.000000%=203; 10.000000%=207; 20.000000%=207; 30.000000%=209; 40.0
00000%=209; 50.000000%=211; 60.000000%=211; 70.000000%=214; 80.000000%=216; 90.000000%=218; 95.000000%=224; 99.000
000%=238; 99.500000%=242; 99.900000%=325; 99.950000%=444; 99.990000%=626; 0%=0; 0%=0; 0%=0; 185; 633; 218.408745; 10.6
23542; 18128; 18128; 100.000000%; 18128.000000; 0.000000; 1.700000%; 4.800000%; 4527; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.71%; 0.27%; 0.02%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 50; 4066; 0; 0; 21; 862; 883; 92.49%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      Round nr. 4
20230502 10:33 root      INFO      Offset 3000587550720.0
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=3000587550720.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Read TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 28492; 28463; 7115; 1001; 3; 49; 5.140957; 1.321451; 106; 8917; 134.31078
3; 104.292957; 1.000000%=121; 5.000000%=127; 10.000000%=128; 20.000000%=129; 30.000000%=130; 40.000000%=132; 50.000
000%=132; 60.000000%=132; 70.000000%=134; 80.000000%=136; 90.000000%=140; 95.000000%=142; 99.000000%=146; 99.50000
0%=146; 99.900000%=156; 99.950000%=164; 99.990000%=8978; 0%=0; 0%=0; 0%=0; 112; 8968; 139.624431; 104.820900; 28208; 28
208; 99.104100%; 28208.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.0000
00%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%
=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=
0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 2.800000%; 5.700000%; 7123; 0; 12; 100.0%; 0.0%; 0.0%; 0.0
%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.97%; 0.01%; 0.00%; 0.00%; 0.00%; 0.00%; 0.01%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 6391; 0; 0; 0; 854; 0; 855; 90.58%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```



```
'--runtime=1', '--offset=3750734438400.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Write TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 14732; 14717; 3679; 1001; 3; 45; 6.828049; 4.018305
; 215; 312; 261.375271; 9.293044; 1.000000%=234; 5.000000%=244; 10.000000%=248; 20.000000%=257; 30.000000%=259; 40.00
0000%=261; 50.000000%=261; 60.000000%=264; 70.000000%=264; 80.000000%=268; 90.000000%=272; 95.000000%=276; 99.0000
00%=284; 99.500000%=288; 99.900000%=296; 99.950000%=296; 99.990000%=313; 0%=0; 0%=0; 0%=0; 222; 359; 268.557855; 7.925
783; 14664; 14792; 100.000000%; 14728.000000; 90.509668; 2.600000%; 4.000000%; 3684; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%
; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 11.35%; 88.65%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00
%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 49; 3308; 0; 0; 21; 864; 884; 92.59%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      Round nr. 6
20230502 10:33 root      INFO      Offset 4500881326080.0
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Read TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 28352; 28323; 7080; 1001; 3; 46; 5.448304; 1.323647; 107; 6611; 134.55672
7; 77.833868; 1.000000%=121; 5.000000%=127; 10.000000%=128; 20.000000%=129; 30.000000%=130; 40.000000%=132; 50.0000
00%=132; 60.000000%=134; 70.000000%=134; 80.000000%=136; 90.000000%=140; 95.000000%=142; 99.000000%=146; 99.500000
%=148; 99.900000%=162; 99.950000%=195; 99.990000%=6586; 0%=0; 0%=0; 0%=0; 112; 6616; 140.183700; 77.810823; 28128; 2812
8; 99.311514; 28128.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.000000
%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.000000%=0
; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0; 0%=0;
0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 1.200000%; 7.700000%; 7090; 0; 12; 100.0%; 0.0%; 0.0%; 0.0%; 0
.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.96%; 0.01%; 0.00%; 0.00%; 0.01%; 0.00%; 0.01%; 0.00%; 0.00%; 0.
00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 6361; 0; 0; 0; 853; 0; 852; 90.18%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=4500881326080.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Write TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 13088; 13074; 3268; 1001; 3; 42; 5.595237; 1.777757
; 270; 335; 297.158070; 5.366822; 1.000000%=280; 5.000000%=292; 10.000000%=292; 20.000000%=292; 30.000000%=292; 40.00
0000%=296; 50.000000%=296; 60.000000%=296; 70.000000%=296; 80.000000%=301; 90.000000%=305; 95.000000%=309; 99.0000
00%=313; 99.500000%=313; 99.900000%=321; 99.950000%=333; 99.990000%=333; 0%=0; 0%=0; 0%=0; 282; 379; 302.966418; 5.031
337; 13104; 13104; 100.000000%; 13104.000000; 0.000000; 2.400000%; 2.400000%; 3272; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%;
0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 0.0%; 100.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%;
0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 49; 2938; 0; 0; 21; 871; 891; 92.59%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      Round nr. 7
20230502 10:33 root      INFO      Offset 5251028213760.0
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--bs=4k', '--rw=read', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Read TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST6000NM0115-1YZ110_ZAD9F21V; 0; 0; 28096; 28067; 7016; 1001; 3; 41; 5.371619; 1.142801; 105; 13155; 136.0487
87; 158.115588; 1.000000%=124; 5.000000%=128; 10.000000%=129; 20.000000%=130; 30.000000%=132; 40.000000%=132; 50.00
0000%=132; 60.000000%=134; 70.000000%=134; 80.000000%=136; 90.000000%=142; 95.000000%=144; 99.000000%=146; 99.5000
00%=148; 99.900000%=156; 99.950000%=166; 99.990000%=13172; 0%=0; 0%=0; 0%=0; 113; 13202; 141.583648; 158.596122; 27648
; 27648; 98.507144%; 27648.000000; 0.000000; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0; 5.0
00000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.0000
00%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0%=0;
0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 0.900000%; 7.800000%; 7024; 0; 12; 100.0%; 0.0%; 0.0%; 0
.0%; 0.0%; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 99.97%; 0.00%; 0.00%; 0.00%; 0.00%; 0.01%; 0.00%; 0.01%; 0.0
0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 6297; 0; 0; 0; 854; 0; 853; 90.58%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      ['/usr/bin/fio', '--filename=/dev/sdf',
'--name=ST6000NM0115-1YZ110_ZAD9F21V', '--direct=1', '--ioengine=libaio', '--numjobs=1', '--iodepth=1',
```

```
'--runtime=1', '--offset=5251028213760.0', '--size=750146887680.0', '--bs=4k', '--rw=write', '--minimal',
'--time_based', '--refill_buffers', '--group_reporting']
20230502 10:33 root      INFO      Write TP test:
20230502 10:33 root      INFO
3; fio-3.16; ST600NM0115-1YZ110_ZAD9F21V; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000; 0.000000; 1.000000%=0
; 5.000000%=0; 10.000000%=0; 20.000000%=0; 30.000000%=0; 40.000000%=0; 50.000000%=0; 60.000000%=0; 70.000000%=0; 80.
000000%=0; 90.000000%=0; 95.000000%=0; 99.000000%=0; 99.500000%=0; 99.900000%=0; 99.950000%=0; 99.990000%=0; 0%=0; 0
%=0; 0%=0; 0; 0; 0.000000; 0.000000; 0; 0; 0.000000%; 0.000000; 0.000000; 15048; 15032; 3758; 1001; 3; 36; 7.289113; 4.421768
; 219; 322; 255.244966; 8.963278; 1.000000%=228; 5.000000%=238; 10.000000%=242; 20.000000%=248; 30.000000%=254; 40.00
0000%=254; 50.000000%=257; 60.000000%=257; 70.000000%=259; 80.000000%=259; 90.000000%=264; 95.000000%=268; 99.0000
00%=276; 99.500000%=280; 99.900000%=288; 99.950000%=301; 99.990000%=321; 0%=0; 0%=0; 0%=0; 226; 342; 262.852926; 7.506
752; 15024; 15064; 100.000000%; 15044.000000; 28.284271; 2.300000%; 4.500000%; 3762; 0; 11; 100.0%; 0.0%; 0.0%; 0.0%; 0.0%
; 0.0%; 0.0%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 21.69%; 78.31%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%
; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; 0.00%; sdf; 49; 3377; 0; 0; 21; 863; 883; 92.28%
```

```
20230502 10:33 root      INFO      #####
20230502 10:33 root      INFO      TP rounds:
20230502 10:33 root      INFO      8
20230502 10:33 root      INFO      Round matrices:
20230502 10:33 root      INFO      [[[224031, 221764, 504846, 504327, 506890, 500758, 492582, 499212],
[78846, 79712, 121734, 121370, 121734, 121904, 61195, 60891]], [[91392, 100547, 29186, 28503, 28463, 28919,
28323, 28067], [93834, 94013, 17722, 18089, 22405, 14717, 13074, 15032]]]
20230502 10:33 root      INFO      # Generating plots for iops test
20230502 10:33 root      INFO      # Generating plots for tp test
#####
#####
```

-- General Information --

Application Information

```
-----
Installed Version . . . . . : Hard Disk Sentinel 0.19c
Current Date And Time . . . . . : 2-5-23 11:02:33
```

Computer Information

```
-----
Computer Name . . . . . : ubuntu
MAC Address . . . . . : 00:e0:ed:9e:30:38
```


System Information

```
-----  
OS Version . . . . . : Linux : 5.11.0-27-generic (#29~20.04.1-Ubuntu SMP  
Wed Aug 11 15:58:17 UTC 2021)  
Process ID . . . . . : 202990  
Uptime . . . . . : 6290 sec (0 days, 1 hours, 44 min, 50 sec)
```

-- Physical Disk Information - Disk: #0: ST6000NM0115-1YZ110 --

Hard Disk Summary

```
-----  
Hard Disk Number . . . . . : 0  
Hard Disk Device . . . . . : /dev/sg5  
Interface . . . . . : SAT Standard USB/ATA  
Hard Disk Model ID . . . . . : ST6000NM0115-1YZ110  
Firmware Revision . . . . . : SN05  
Hard Disk Serial Number . . . . . : ZAD9F21V  
Total Size . . . . . : 5723167 MB  
Current Temperature . . . . . : 32 C (90 F)  
Maximum Temperature (during Entire Lifespan) . . : 42 C (108 F)  
Power On Time . . . . . : 1033 days, 10 hours  
Estimated Remaining Lifetime . . . . . : more than 791 days  
Health . . . . . : ##### 100 % (Excellent)  
Performance . . . . . : ##### 100 % (Excellent)
```

The hard disk status is PERFECT. Problematic or weak sectors were not found and there are no spin up or data transfer errors.

No actions needed.

ATA Information

```
-----  
Hard Disk Cylinders . . . . . : 11628021  
Hard Disk Heads . . . . . : 16  
Hard Disk Sectors . . . . . : 63  
ATA Revision . . . . . : 10  
Transport Version . . . . . : SATA Rev 3.1  
Total Sectors . . . . . : 1465130646
```

Bytes Per Sector : 4096 [Advanced Format]
Multiple Sectors : 16
Error Correction Bytes : 0
Unformatted Capacity : 5723167 MB
Maximum PIO Mode : 4
Maximum Multiword DMA Mode : 2
Highest Possible Transfer Rate : S-ATA Gen3 Signaling Speed (6 Gps)
Negotiated Transfer Rate : S-ATA Gen3 Signaling Speed (6 Gps)
Minimum Multiword DMA Transfer Time : 120 ns
Recommended Multiword DMA Transfer Time : 120 ns
Minimum PIO Transfer Time Without IORDY : 120 ns
Minimum PIO Transfer Time With IORDY : 120 ns
ATA Control Byte : Valid
ATA Checksum Value : Valid

Acoustic Management Configuration

Acoustic Management : Not supported
Acoustic Management : Disabled
Current Acoustic Level : Default (00h)
Recommended Acoustic Level : Max performance and volume (FEh)

ATA Features

Read Ahead Buffer : Supported, Enabled
DMA : Supported
Ultra DMA : Supported
S.M.A.R.T. : Supported
Power Management : Supported
Write Cache : Supported
Host Protected Area : Not supported
HPA Security Extensions : Supported
Advanced Power Management : Not supported
Extended Power Management : Supported, Enabled
Power Up In Standby : Supported
48-bit LBA Addressing : Supported
Device Configuration Overlay : Not supported
IORDY Support : Supported
Read/Write DMA Queue : Not supported

```

NOP Command . . . . . : Not supported
Trusted Computing . . . . . : Not supported
64-bit World Wide ID . . . . . : 5000C500C333A918
Streaming . . . . . : Supported
Media Card Pass Through . . . . . : Not supported
General Purpose Logging . . . . . : Supported
Error Logging . . . . . : Supported
CFA Feature Set . . . . . : Not supported
CFast Device . . . . . : Not supported
Long Physical Sectors (8) . . . . . : Supported
Long Logical Sectors . . . . . : Not supported
Write-Read-Verify . . . . . : Supported, Disabled
NV Cache Feature . . . . . : Not supported
NV Cache Power Mode . . . . . : Not supported
NV Cache Size . . . . . : Not supported
Free-fall Control . . . . . : Not supported
Free-fall Control Sensitivity . . . . . : Not supported
Service Interrupt . . . . . : Not supported
IDLE IMMEDIATE Command With UNLOAD Feature . . . : Supported
SCT Command Transport . . . . . : Supported
SCT Error Recovery Control . . . . . : Supported
Nominal Media Rotation Rate . . . . . : 7200 RPM
Nominal Form Factor . . . . . : 3.5 inch
Zoned Capabilities . . . . . : Not supported

```

SSD Features

```

-----
Data Set Management . . . . . : Not supported
TRIM Command . . . . . : Not supported
Deterministic Read After TRIM . . . . . : Not supported
Read Zeroes After TRIM . . . . . : Not supported

```

S.M.A.R.T. Details

```

-----
Off-line Data Collection Status . . . . . : Successfully Completed
Self Test Execution Status . . . . . : Successfully Completed
Total Time To Complete Off-line Data Collection . : 567 seconds
Execute Off-line Immediate . . . . . : Supported
Abort/restart Off-line By Host . . . . . : Not supported

```

Off-line Read Scanning	: Supported
Short Self-test	: Supported
Extended Self-test	: Supported
Conveyance Self-test	: Supported
Selective Self-Test	: Supported
Save Data Before/After Power Saving Mode	: Supported
Enable/Disable Attribute Autosave	: Supported
Error Logging Capability	: Supported
Short Self-test Estimated Time	: 1 minutes
Extended Self-test Estimated Time	: 612 minutes
Conveyance Self-test Estimated Time	: 2 minutes

Security Mode

Security Mode	: Supported
Security Erase	: Supported
Security Erase Time	: 570 minutes
Security Enhanced Erase Feature	: Supported
Security Enhanced Erase Time	: 570 minutes
Security Enabled	: No
Security Locked	: No
Security Frozen	: No
Security Counter Expired	: No
Security Level	: High
Device Encrypts All User Data	: No
Sanitize	: Supported
Overwrite	: Supported
Crypto Scramble	: Not supported
Block Erase	: Not supported
Sanitize Antifreeze Lock	: Supported
ACS-3 Commands Allowed By Sanitize	: Yes

Serial ATA Features

S-ATA Compliance	: Yes
S-ATA I Signaling Speed (1.5 Gps)	: Supported
S-ATA II Signaling Speed (3 Gps)	: Supported
S-ATA Gen3 Signaling Speed (6 Gps)	: Supported
Receipt Of Power Management Requests From Host	: Not supported

PHY Event Counters	: Supported
Non-Zero Buffer Offsets In DMA Setup FIS	: Not supported
DMA Setup Auto-Activate Optimization	: Supported, Enabled
Device Initiating Interface Power Management . .	: Supported, Disabled
In-Order Data Delivery	: Not supported
Asynchronous Notification	: Not supported
Software Settings Preservation	: Supported, Enabled
Native Command Queuing (NCQ)	: Supported
Queue Length	: 32
NCQ Streaming	: Not supported
NCQ Autosense	: Supported
Automatic Partial To Slumber Translations	: Not supported
Rebuild Assist	: Supported, Disabled
Hybrid Information	: Not supported
Device Sleep (DevSleep)	: Not supported
DevSleep To ReducedPwrState	: Not supported

Disk Information

Disk Family	: Enterprise Capacity 3.5 HDD v5
Form Factor	: 3.5"
Capacity	: 6 TB (6 x 1,000,000,000,000 bytes)
Number Of Disks	: 5
Number Of Heads	: 10
Rotational Speed	: 7200 RPM
Rotation Time	: 8.33 ms
Average Rotational Latency	: 4.17 ms
Disk Interface	: Serial-ATA/600
Buffer-Host Max. Rate	: 600 MB/seconds
Buffer Size	: 262144 KB
Drive Ready Time (typical)	: 23 seconds
Average Seek Time	: ? ms
Track To Track Seek Time	: ? ms
Full Stroke Seek Time	: ? ms
Width	: 101.9 mm (4.0 inch)
Depth	: 147.0 mm (5.8 inch)
Height	: 26.1 mm (1.0 inch)
Weight	: 705 grams (1.6 pounds)
Acoustic (Idle)	: 2.7 Bel

Acoustic (Min Performance And Volume) : 2.9 Bel
 Acoustic (Max Performance And Volume) : 2.9 Bel
 Required Power For Spinup : 2,800 mA
 Power Required (seek) : 12.8 W
 Power Required (idle) : 7.2 W
 Power Required (standby) : 0.8 W
 Manufacturer : Seagate Technology
 Manufacturer Website : <http://www.seagate.com/www/en-us/products>

S.M.A.R.T.

No.	Attribute	Thre..	Value	Worst	Data	Status	Flags
1	Raw Read Error Rate Performance, Statistical, Critical	44	81	64	0000075A4E58	OK	Error-Rate,
3	Spin Up Time Statistical, Critical	0	91	91	000000000000	OK (Always passing)	
4	Start/Stop Count Preserving, Event Count, Statistical	20	100	100	000000000025	OK	Self
5	Reallocated Sectors Co.. Preserving, Event Count, Statistical, Critical	10	100	100	000000000000	OK	Self
7	Seek Error Rate Performance, Statistical, Critical	45	93	60	0000760795CF	OK	Error-Rate,
9	Power On Time Count Preserving, Event Count, Statistical	0	72	72	0000000060E2	OK (Always passing)	Self
10	Spin Retry Count Count, Statistical, Critical	97	100	100	000000000000	OK	Event
12	Drive Power Cycle Count Preserving, Event Count, Statistical	20	100	100	000000000025	OK	Self
184	End-to-End Error Count Preserving, Event Count, Statistical	99	100	100	000000000000	OK	Self
187	Reported Uncorrectable.. Preserving, Event Count, Statistical	0	100	100	000000000000	OK (Always passing)	Self
188	Command Timeout Preserving, Event Count, Statistical	0	100	100	000000000000	OK (Always passing)	Self
189	High Fly Writes Preserving, Event Count, Error-Rate, Statistical	0	100	100	000000000000	OK (Always passing)	Self
190	Airflow Temperature Preserving, Statistical	40	68	58	000020190020	OK	Self

191	G-Sense Error Rate	0	80	80	00000000A175	OK (Always passing)	Self
Preserving, Event Count, Statistical							
192	Power off Retract Cycl..	0	100	100	000000000397	OK (Always passing)	Self
Preserving, Event Count, Statistical							
193	Load/Unload Cycle Count	0	99	99	000000000946	OK (Always passing)	Self
Preserving, Event Count, Statistical							
194	Disk Temperature	0	32	42	001600000020	OK (Always passing)	Self
Preserving, Statistical							
195	Hardware ECC Recovered	0	37	36	0000075A4E58	OK (Always passing)	Event
Count, Error-Rate, Statistical							
197	Current Pending Sector..	0	100	100	000000000000	OK (Always passing)	Event
Count, Statistical							
198	Off-Line Uncorrectable..	0	100	100	000000000000	OK (Always passing)	Event Count
199	Ultra ATA CRC Error Co..	0	200	200	000000000000	OK (Always passing)	Self
Preserving, Event Count, Error-Rate, Performanc..							
240	Head Flying Hours	0	100	253	565700005DFD	OK (Always passing)	
241	Total LBA Written	0	100	253	00258228D79C	OK (Always passing)	
242	Total LBA Read	0	100	253	008FE08F4F1B	OK (Always passing)	

-- Partition Information --

Logical Drive	Block Size	Total Space	Free Space	Free Space %	Used Space
Disk		Files	File System		
/		386,338 MB	385,770 MB	100 %	
----- /		4096	98902551 2035054128		

```
#####
#####
Analysis of tests of ST600NM0115-1YZ110_ZAD9F21V:
SHORT SELF TEST: Passed
CONVEYANCE SELF TEST: Passed
IDD SHORT TEST: n/a
BUFFER TEST: Passed
```

RANDOM READ TEST: Passed
RANDOM WRITE TEST: Passed
BUTTERFLY READ TEST: Passed
GENERIC WRITE TEST: Passed
S.M.A.R.T. HEALTH CHECK: Passed (100%)
GROWN DEFECTS CHECK: Passed (0 realloc)
#####