root@kafka3:~# smartctl -a /dev/sda

smartctl 6.6 2017-11-05 r4594 [x86\_64-linux-5.7.0-0.bpo.2-amd64] (local build)

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=== START OF INFORMATION SECTION ===

Vendor: TOSHIBA

Product: MG06SCA800EY

Revision: EH08

Compliance: SPC-4

User Capacity: 8,001,563,222,016 bytes [8.00 TB]

Logical block size: 512 bytes

Physical block size: 4096 bytes

Formatted with type 2 protection

Rotation Rate: 7200 rpm

Form Factor: 3.5 inches

Logical Unit id: 0x50000399f8982a7d

Serial number: 20Q0A07LF1GF

Device type: disk

Transport protocol: SAS (SPL-3)

Local Time is: Mon Sep 7 15:50:33 2020 UTC

SMART support is: Available - device has SMART capability.

SMART support is: Enabled

Temperature Warning: Disabled or Not Supported

=== START OF READ SMART DATA SECTION ===

SMART Health Status: OK

Current Drive Temperature: 28 C

Drive Trip Temperature: 65 C

Manufactured in week 09 of year 2020

Specified cycle count over device lifetime: 50000

Accumulated start-stop cycles: 18

Specified load-unload count over device lifetime: 600000

Accumulated load-unload cycles: 18

Elements in grown defect list: 0

Error counter log:

 Errors Corrected by Total Correction Gigabytes Total

 ECC rereads/ errors algorithm processed uncorrected

 fast | delayed rewrites corrected invocations [10^9 bytes] errors

read: 0 1735 1738 1735 5200 67634.816 3

write: 0 95 95 95 1266 4138.873 0

verify: 0 0 0 0 0 5.897 0

Non-medium error count: 86

SMART Self-test log

Num Test Status segment LifeTime LBA\_first\_err [SK ASC ASQ]

 Description number (hours)

# 1 Background long Completed - 865 - [- - -]

# 2 Foreground long Aborted (device reset ?) - 853 - [- - -]

# 3 Background long Aborted (by user command) - 853 - [- - -]

# 4 Background short Completed - 847 - [- - -]

# 5 Reserved(7) Completed 64 4 - [- - -]

# 6 Background short Completed - 3 - [- - -]

Long (extended) Self Test duration: 45122 seconds [752.0 minutes]

root@kafka3:~# dmesg | tail -50

[1363600.151210] sd 0:0:0:0: [sda] tag#107 ASC=0x44 <<vendor>>ASCQ=0xa3

[1363600.151217] sd 0:0:0:0: [sda] tag#107 CDB: Write(16) 8a 00 00 00 00 01 a2 03 1c f8 00 00 00 98 00 00

[1363600.151225] blk\_update\_request: critical target error, dev sda, sector 7013080312 op 0x1:(WRITE) flags 0x700 phys\_seg 19 prio class 0

[1363600.163499] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=121 type=2 offset=3590696071168 size=77824 flags=180880

[1363691.399118] sd 0:0:0:0: Power-on or device reset occurred

[1369690.506801] sd 0:0:0:0: [sda] tag#158 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=2s

[1369690.506813] sd 0:0:0:0: [sda] tag#158 Sense Key : Hardware Error [deferred]

[1369690.506820] sd 0:0:0:0: [sda] tag#158 ASC=0x44 <<vendor>>ASCQ=0xa3

[1369690.506827] sd 0:0:0:0: [sda] tag#158 CDB: Write(16) 8a 00 00 00 00 03 a3 80 e7 f0 00 00 00 08 00 00

[1369690.506834] blk\_update\_request: I/O error, dev sda, sector 15628036080 op 0x1:(WRITE) flags 0x700 phys\_seg 1 prio class 0

[1369690.518056] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=5 type=2 offset=8001553424384 size=4096 flags=180ac0

[1369707.281423] sd 0:0:0:0: [sda] tag#153 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=6s

[1369707.281440] sd 0:0:0:0: [sda] tag#153 Sense Key : Hardware Error [current]

[1369707.281448] sd 0:0:0:0: [sda] tag#153 ASC=0x44 <<vendor>>ASCQ=0xa3

[1369707.281454] sd 0:0:0:0: [sda] tag#153 CDB: Write(16) 8a 00 00 00 00 00 58 ad bd 58 00 00 00 28 00 00

[1369707.281461] blk\_update\_request: critical target error, dev sda, sector 1487781208 op 0x1:(WRITE) flags 0x700 phys\_seg 5 prio class 0

[1369707.293643] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=121 type=2 offset=761742929920 size=20480 flags=180880

[1369707.293671] sd 0:0:0:0: [sda] tag#156 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=6s

[1369707.293674] sd 0:0:0:0: [sda] tag#156 Sense Key : Hardware Error [current]

[1369707.293679] sd 0:0:0:0: [sda] tag#156 ASC=0x44 <<vendor>>ASCQ=0xa3

[1369707.293682] sd 0:0:0:0: [sda] tag#156 CDB: Write(16) 8a 00 00 00 00 00 58 ad bd 80 00 00 00 10 00 00

[1369707.293686] blk\_update\_request: critical target error, dev sda, sector 1487781248 op 0x1:(WRITE) flags 0x700 phys\_seg 1 prio class 0

[1369707.305856] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=121 type=2 offset=761742950400 size=8192 flags=40080c80

[1369786.057152] sd 0:0:0:0: [sda] tag#167 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=2s

[1369786.057164] sd 0:0:0:0: [sda] tag#167 Sense Key : Hardware Error [deferred]

[1369786.057172] sd 0:0:0:0: [sda] tag#167 ASC=0x44 <<vendor>>ASCQ=0xa3

[1369786.057179] sd 0:0:0:0: [sda] tag#167 CDB: Write(16) 8a 00 00 00 00 01 a2 34 96 00 00 00 00 10 00 00

[1369786.057187] blk\_update\_request: I/O error, dev sda, sector 7016322560 op 0x1:(WRITE) flags 0x700 phys\_seg 1 prio class 0

[1369786.068316] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=5 type=2 offset=3592356102144 size=8192 flags=40080c80

[1369788.489252] sd 0:0:0:0: [sda] tag#165 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=4s

[1369788.489265] sd 0:0:0:0: [sda] tag#165 Sense Key : Hardware Error [deferred]

[1369788.489272] sd 0:0:0:0: [sda] tag#165 ASC=0x44 <<vendor>>ASCQ=0xa3

[1369788.489278] sd 0:0:0:0: [sda] tag#165 CDB: Write(16) 8a 00 00 00 00 01 a2 02 68 78 00 00 00 20 00 00

[1369788.489285] blk\_update\_request: I/O error, dev sda, sector 7013034104 op 0x1:(WRITE) flags 0x700 phys\_seg 4 prio class 0

[1369788.500411] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=5 type=2 offset=3590672412672 size=16384 flags=180880

[1369821.415952] sd 0:0:0:0: Power-on or device reset occurred

[1370375.834211] sd 0:0:0:0: [sda] tag#246 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=2s

[1370375.834228] sd 0:0:0:0: [sda] tag#246 Sense Key : Hardware Error [deferred]

[1370375.834236] sd 0:0:0:0: [sda] tag#246 ASC=0x44 <<vendor>>ASCQ=0xa3

[1370375.834242] sd 0:0:0:0: [sda] tag#246 CDB: Write(16) 8a 00 00 00 00 00 78 65 84 b8 00 00 00 40 00 00

[1370375.834249] blk\_update\_request: I/O error, dev sda, sector 2019919032 op 0x1:(WRITE) flags 0x700 phys\_seg 8 prio class 0

[1370375.845380] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=5 type=2 offset=1034197495808 size=32768 flags=180880

[1370382.386122] sd 0:0:0:0: [sda] tag#171 FAILED Result: hostbyte=DID\_OK driverbyte=DRIVER\_SENSE cmd\_age=3s

[1370382.386140] sd 0:0:0:0: [sda] tag#171 Sense Key : Hardware Error [deferred]

[1370382.386149] sd 0:0:0:0: [sda] tag#171 ASC=0x44 <<vendor>>ASCQ=0xa3

[1370382.386156] sd 0:0:0:0: [sda] tag#171 CDB: Write(16) 8a 00 00 00 00 00 58 ad ec e0 00 00 00 38 00 00

[1370382.386163] blk\_update\_request: I/O error, dev sda, sector 1487793376 op 0x1:(WRITE) flags 0x700 phys\_seg 3 prio class 0

[1370382.397296] zio pool=data vdev=/dev/disk/by-id/wwn-0x50000399f8982a7d-part1 error=5 type=2 offset=761749159936 size=28672 flags=40080c80

[1439773.344494] md: data-check of RAID array md0

[1440942.674700] md: md0: data-check done.

root@kafka3:~# zpool status -v

 pool: data

 state: DEGRADED

status: One or more devices are faulted in response to persistent errors.

 Sufficient replicas exist for the pool to continue functioning in a

 degraded state.

action: Replace the faulted device, or use 'zpool clear' to mark the device

 repaired.

 scan: resilvered 0B in 0 days 00:00:01 with 0 errors on Sat Sep 5 05:29:25 2020

config:

 NAME STATE READ WRITE CKSUM

 data DEGRADED 0 0 0

 mirror-0 DEGRADED 0 0 0

 wwn-0x50000399f8982a7d FAULTED 0 31 0 too many errors

 wwn-0x50000399f898ec5d ONLINE 0 0 0

 mirror-1 ONLINE 0 0 0

 wwn-0x50000399f8982d29 ONLINE 0 0 0

 wwn-0x50000399f898ec2d ONLINE 0 0 0

 mirror-2 ONLINE 0 0 0

 wwn-0x50000399f898ec45 ONLINE 0 0 0

 wwn-0x50000399f8982b61 ONLINE 0 0 0

 mirror-3 ONLINE 0 0 0

 wwn-0x50000399f898ec4d ONLINE 0 0 0

 wwn-0x50000399f898ec41 ONLINE 0 0 0

 cache

 wwn-0x58ce38ee20d2d135 ONLINE 0 0 0

 wwn-0x58ce38ee20d2d10d ONLINE 0 0 0

errors: No known data errors