

```
XXX@YYY:~ # smartctl /dev/da0 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
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```

=== START OF INFORMATION SECTION ===

```
Model Family:      HGST Ultrastar He10
Device Model:      HGST HUH721010ALE600
Serial Number:     1SGEES2Z
LU WWN Device Id:  5 000cca 26bc61c6b
Firmware Version:  LHGNT384
User Capacity:     10,000,831,348,736 bytes [10.0 TB]
Sector Sizes:      512 bytes logical, 4096 bytes physical
Rotation Rate:     7200 rpm
Form Factor:       3.5 inches
Device is:         In smartctl database [for details use: -P show]
ATA Version is:    ACS-2, ATA8-ACS T13/1699-D revision 4
SATA Version is:   SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:     Mon Mar 6 20:03:04 2023 EST
SMART support is:  Available - device has SMART capability.
SMART support is:  Enabled
```

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

```
Offline data collection status:  (0x80) Offline data collection activity
                                   was never started.
                                   Auto Offline Data Collection: Enabled.
Self-test execution status:      (   0) The previous self-test routine completed
                                   without error or no self-test has ever
                                   been run.
Total time to complete Offline
data collection:                 (   93) seconds.
Offline data collection
capabilities:                     (0x5b) SMART execute Offline immediate.
                                   Auto Offline data collection on/off support.
                                   Suspend Offline collection upon new
                                   command.
                                   Offline surface scan supported.
                                   Self-test supported.
                                   No Conveyance Self-test supported.
                                   Selective Self-test supported.
SMART capabilities:              (0x0003) Saves SMART data before entering
                                   power-saving mode.
                                   Supports SMART auto save timer.
Error logging capability:        (0x01) Error logging supported.
                                   General Purpose Logging supported.
Short self-test routine
recommended polling time:        (   2) minutes.
Extended self-test routine
recommended polling time:        (1045) minutes.
SCT capabilities:                (0x003d) SCT Status supported.
                                   SCT Error Recovery Control supported.
                                   SCT Feature Control supported.
                                   SCT Data Table supported.
```

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	134	134	054	Pre-fail	Offline	-	96
3	Spin_Up_Time	0x0007	169	169	024	Pre-fail	Always	-	406 (Average
371)									
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	43
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	098	098	000	Old_age	Always	-	19573
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	41
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	1026
193	Load_Cycle_Count	0x0012	100	100	000	Old_age	Always	-	1026
194	Temperature_Celsius	0x0002	222	222	000	Old_age	Always	-	27 (Min/Max
14/48)									
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0

197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	12768

SMART Error Log Version: 1

ATA Error Count: 12768 (device log contains only the most recent five errors)

CR = Command Register [HEX]
FR = Features Register [HEX]
SC = Sector Count Register [HEX]
SN = Sector Number Register [HEX]
CL = Cylinder Low Register [HEX]
CH = Cylinder High Register [HEX]
DH = Device/Head Register [HEX]
DC = Device Command Register [HEX]
ER = Error register [HEX]
ST = Status register [HEX]

Powered_Up_Time is measured from power on, and printed as
Ddd+hh:mm:ss.sss where DD=days, hh=hours, mm=minutes,
SS=sec, and sss=millisec. It "wraps" after 49.710 days.

Error 12768 occurred at disk power-on lifetime: 49 hours (2 days + 1 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- --

84 51 18 70 f4 5b 40 Error: ICRC, ABRT 24 sectors at LBA = 0x005bf470 = 6026352

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	18	70	f4	5b	40	00	02:05:44.319	WRITE DMA EXT
ef	10	02	00	00	00	00	00	02:05:44.315	SET FEATURES [Enable SATA feature]
ef	02	00	00	00	00	00	00	02:05:44.312	SET FEATURES [Enable write cache]
ef	aa	00	00	00	00	00	00	02:05:44.309	SET FEATURES [Enable read look-ahead]
ef	03	46	00	00	00	00	00	02:05:44.306	SET FEATURES [Set transfer mode]

Error 12767 occurred at disk power-on lifetime: 49 hours (2 days + 1 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- --

84 41 00 00 00 00 00 Error: ICRC, ABRT at LBA = 0x00000000 = 0

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
61	18	50	70	f4	5b	40	00	02:05:42.210	WRITE FPDMA QUEUED
35	00	78	90	45	06	40	00	02:05:42.209	WRITE DMA EXT
ef	10	02	00	00	00	00	00	02:05:42.206	SET FEATURES [Enable SATA feature]
ef	02	00	00	00	00	00	00	02:05:42.203	SET FEATURES [Enable write cache]
ef	aa	00	00	00	00	00	00	02:05:42.200	SET FEATURES [Enable read look-ahead]

Error 12766 occurred at disk power-on lifetime: 49 hours (2 days + 1 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- --

84 51 78 90 45 06 40 Error: ICRC, ABRT 120 sectors at LBA = 0x00064590 = 411024

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	78	90	45	06	40	00	02:05:42.210	WRITE DMA EXT
ef	10	02	00	00	00	00	00	02:05:42.206	SET FEATURES [Enable SATA feature]
ef	02	00	00	00	00	00	00	02:05:42.203	SET FEATURES [Enable write cache]
ef	aa	00	00	00	00	00	00	02:05:42.200	SET FEATURES [Enable read look-ahead]
ef	03	46	00	00	00	00	00	02:05:42.197	SET FEATURES [Set transfer mode]

Error 12765 occurred at disk power-on lifetime: 49 hours (2 days + 1 hours)

When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

```

-- -- -- -- --
84 41 00 00 00 00 00 Error: ICRC, ABRT at LBA = 0x00000000 = 0

Commands leading to the command that caused the error were:
CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name
-- -- -- -- --
61 78 40 90 45 06 40 00 02:05:40.094 WRITE FPDMA QUEUED
35 00 78 90 42 c6 40 00 02:05:40.093 WRITE DMA EXT
ef 10 02 00 00 00 00 00 02:05:40.090 SET FEATURES [Enable SATA feature]
ef 02 00 00 00 00 00 00 02:05:40.087 SET FEATURES [Enable write cache]
ef aa 00 00 00 00 00 00 02:05:40.083 SET FEATURES [Enable read look-ahead]

Error 12764 occurred at disk power-on lifetime: 49 hours (2 days + 1 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:
ER ST SC SN CL CH DH
-- -- -- -- --
84 51 78 90 42 c6 40 Error: ICRC, ABRT 120 sectors at LBA = 0x00c64290 = 12993168

Commands leading to the command that caused the error were:
CR FR SC SN CL CH DH DC Powered_Up_Time Command/Feature_Name
-- -- -- -- --
35 00 78 90 42 c6 40 00 02:05:40.093 WRITE DMA EXT
ef 10 02 00 00 00 00 00 02:05:40.090 SET FEATURES [Enable SATA feature]
ef 02 00 00 00 00 00 00 02:05:40.087 SET FEATURES [Enable write cache]
ef aa 00 00 00 00 00 00 02:05:40.083 SET FEATURES [Enable read look-ahead]
ef 03 46 00 00 00 00 00 02:05:40.081 SET FEATURES [Set transfer mode]

SMART Self-test log structure revision number 1
Num Test_Description Status Remaining LifeTime(hours) LBA_of_first_error
# 1 Extended offline Interrupted (host reset) 90% 19571 -
# 2 Extended offline Interrupted (host reset) 70% 19566 -
# 3 Extended offline Completed without error 00% 19543 -
# 4 Extended offline Completed without error 00% 19519 -
# 5 Extended offline Completed without error 00% 19495 -
# 6 Extended offline Completed without error 00% 19471 -
# 7 Extended offline Completed without error 00% 19447 -
# 8 Extended offline Completed without error 00% 19424 -
# 9 Extended offline Completed without error 00% 19399 -
#10 Extended offline Completed without error 00% 19375 -
#11 Extended offline Completed without error 00% 19351 -
#12 Extended offline Completed without error 00% 19327 -
#13 Extended offline Completed without error 00% 19303 -
#14 Extended offline Completed without error 00% 19280 -
#15 Extended offline Completed without error 00% 19256 -
#16 Extended offline Completed without error 00% 19231 -
#17 Extended offline Completed without error 00% 19207 -
#18 Extended offline Completed without error 00% 19190 -
#19 Extended offline Completed without error 00% 19159 -
#20 Extended offline Completed without error 00% 19135 -
#21 Extended offline Completed without error 00% 19119 -

SMART Selective self-test log data structure revision number 1
SPAN MIN_LBA MAX_LBA CURRENT_TEST_STATUS
1 0 0 Not_testing
2 0 0 Not_testing
4 0 0 Not_testing
5 0 0 Not_testing

Selective self-test flags (0x0):
After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

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```

```

=== START OF INFORMATION SECTION ===
Model Family:      HGST Ultrastar He10
Device Model:      HGST HUH721010ALE604
Serial Number:     7GJ313SK
LU WWN Device Id: 5 000cca 256dd9054
Firmware Version:  LHAZW2J2
User Capacity:     10,000,831,348,736 bytes [10.0 TB]

```

Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: 7200 rpm
Form Factor: 3.5 inches
Device is: In smartctl database [for details use: -P show]
ATA Version is: ACS-2, ATA8-ACS T13/1699-D revision 4
SATA Version is: SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:03:45 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

=== START OF READ SMART DATA SECTION ===
SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x80) Offline data collection activity
was never started.
Auto Offline Data Collection: Enabled.
Self-test execution status: (0) The previous self-test routine completed
without error or no self-test has ever
been run.
Total time to complete Offline
data collection: (93) seconds.
Offline data collection
capabilities: (0x5b) SMART execute Offline immediate.
Auto Offline data collection on/off support.
Suspend Offline collection upon new
command.
Offline surface scan supported.
Self-test supported.
No Conveyance Self-test supported.
Selective Self-test supported.
SMART capabilities: (0x0003) Saves SMART data before entering
power-saving mode.
Supports SMART auto save timer.
Error logging capability: (0x01) Error logging supported.
General Purpose Logging supported.
Short self-test routine
recommended polling time: (2) minutes.
Extended self-test routine
recommended polling time: (1186) minutes.
SCT capabilities: (0x003d) SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	133	133	054	Pre-fail	Offline	-	100
3	Spin_Up_Time	0x0007	153	153	024	Pre-fail	Always	-	431 (Average 429)
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	370
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	32821
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	365
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3640
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3640
194	Temperature_Celsius	0x0002	214	214	000	Old_age	Always	-	28 (Min/Max 21/48)
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	44129

SMART Error Log Version: 1

ATA Error Count: 44129 (device log contains only the most recent five errors)

CR = Command Register [HEX]
FR = Features Register [HEX]
SC = Sector Count Register [HEX]
SN = Sector Number Register [HEX]
CL = Cylinder Low Register [HEX]

CH = Cylinder High Register [HEX]
DH = Device/Head Register [HEX]
DC = Device Command Register [HEX]
ER = Error register [HEX]
ST = Status register [HEX]

Powered_Up_Time is measured from power on, and printed as
DDd+hh:mm:ss.sss where DD=days, hh=hours, mm=minutes,
SS=sec, and sss=millisec. It "wraps" after 49.710 days.

Error 44129 occurred at disk power-on lifetime: 19 hours (0 days + 19 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH
-- -- -- -- -- -- --

84 51 a1 e6 d2 17 40 Error: ICRC, ABRT 161 sectors at LBA = 0x0017d2e6 = 1561318

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	00	88	ce	17	40	00	15:41:43.001	WRITE DMA EXT
35	00	00	88	c6	17	40	00	15:41:42.894	WRITE DMA EXT
35	00	00	88	be	17	40	00	15:41:42.889	WRITE DMA EXT
35	00	00	88	b6	17	40	00	15:41:42.886	WRITE DMA EXT
35	00	00	88	ae	17	40	00	15:41:42.880	WRITE DMA EXT

Error 44128 occurred at disk power-on lifetime: 19 hours (0 days + 19 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH
-- -- -- -- -- -- --

84 51 81 c6 c8 17 40 Error: ICRC, ABRT 129 sectors at LBA = 0x0017c8c6 = 1558726

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	00	48	c8	17	40	00	15:41:36.479	WRITE DMA EXT
35	00	00	48	c0	17	40	00	15:41:36.474	WRITE DMA EXT
35	00	00	48	b8	17	40	00	15:41:36.470	WRITE DMA EXT
35	00	00	48	b0	17	40	00	15:41:36.465	WRITE DMA EXT
35	00	00	48	a8	17	40	00	15:41:36.460	WRITE DMA EXT

Error 44127 occurred at disk power-on lifetime: 19 hours (0 days + 19 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH
-- -- -- -- -- -- --

84 51 70 d7 21 07 40 Error: ICRC, ABRT 112 sectors at LBA = 0x000721d7 = 467415

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	00	48	20	07	40	00	15:41:34.117	WRITE DMA EXT
25	00	01	06	00	00	40	00	15:41:34.115	READ DMA EXT
35	00	00	48	18	07	40	00	15:41:34.112	WRITE DMA EXT
25	00	01	05	00	00	40	00	15:41:34.112	READ DMA EXT
35	00	00	48	10	07	40	00	15:41:34.109	WRITE DMA EXT

Error 44126 occurred at disk power-on lifetime: 19 hours (0 days + 19 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH
-- -- -- -- -- -- --

84 51 31 ce c0 32 40 Error: ICRC, ABRT 49 sectors at LBA = 0x0032c0ce = 3326158

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	00	00	c0	32	40	00	15:41:28.973	WRITE DMA EXT
35	00	00	00	bf	32	40	00	15:41:28.971	WRITE DMA EXT
35	00	00	00	be	32	40	00	15:41:28.968	WRITE DMA EXT
35	00	00	00	bd	32	40	00	15:41:28.962	WRITE DMA EXT
35	00	00	00	bc	32	40	00	15:41:28.961	WRITE DMA EXT

Error 44125 occurred at disk power-on lifetime: 19 hours (0 days + 19 hours)
When the command that caused the error occurred, the device was active or idle.

After command completion occurred, registers were:

ER ST SC SN CL CH DH

-- -- -- -- --

84 51 c1 3e 4a 2e 40 Error: ICRC, ABRT 193 sectors at LBA = 0x002e4a3e = 3033662

Commands leading to the command that caused the error were:

CR	FR	SC	SN	CL	CH	DH	DC	Powered_Up_Time	Command/Feature_Name
35	00	00	00	4a	2e	40	00	15:41:27.625	WRITE DMA EXT
35	00	00	00	49	2e	40	00	15:41:27.620	WRITE DMA EXT
35	00	00	00	48	2e	40	00	15:41:27.620	WRITE DMA EXT
35	00	00	00	47	2e	40	00	15:41:27.616	WRITE DMA EXT
35	00	00	00	46	2e	40	00	15:41:27.615	WRITE DMA EXT

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	32819	-
# 2	Extended offline	Interrupted (host reset)	80%	32815	-
# 3	Extended offline	Completed without error	00%	32794	-
# 4	Extended offline	Completed without error	00%	32770	-
# 5	Extended offline	Completed without error	00%	32746	-
# 6	Extended offline	Completed without error	00%	32722	-
# 7	Extended offline	Completed without error	00%	32698	-
# 8	Extended offline	Completed without error	00%	32674	-
# 9	Extended offline	Completed without error	00%	32650	-
#10	Extended offline	Completed without error	00%	32626	-
#11	Extended offline	Completed without error	00%	32602	-
#12	Extended offline	Completed without error	00%	32578	-
#13	Extended offline	Completed without error	00%	32554	-
#14	Extended offline	Completed without error	00%	32530	-
#15	Extended offline	Completed without error	00%	32506	-
#16	Extended offline	Completed without error	00%	32482	-
#17	Extended offline	Completed without error	00%	32458	-
#18	Extended offline	Completed without error	00%	32439	-
#19	Extended offline	Completed without error	00%	32410	-
#20	Extended offline	Completed without error	00%	32368	-
#21	Extended offline	Completed without error	00%	32338	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective sel

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=== START OF INFORMATION SECTION ===

Model Family: Intel 730 and DC S35x0/3610/3700 Series SSDs
Device Model: INTEL SSDSC2BX016T4
Serial Number: BTHC620300ER1P6PGN
LU WWN Device Id: 5 5cd2e4 04c240cc5
Firmware Version: G2010140
User Capacity: 1,600,321,314,816 bytes [1.60 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: Solid State Device
Form Factor: 2.5 inches
TRIM Command: Available, deterministic, zeroed
Device is: In smartctl database [for details use: -P show]
ATA Version is: ACS-2 T13/2015-D revision 3
SATA Version is: SATA 2.6, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:06:06 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x03) Offline data collection activity is in progress.
Auto Offline Data Collection: Disabled.

Self-test execution status: (4) The previous self-test routine completed without error or no self-test has ever been run.

Total time to complete Offline data collection: (240) seconds.

Offline data collection capabilities: (0x79) SMART execute Offline immediate.
No Auto Offline data collection support.
Suspend Offline collection upon new command.
Offline surface scan supported.
Self-test supported.
Conveyance Self-test supported.
Selective Self-test supported.

SMART capabilities: (0x0003) Saves SMART data before entering power-saving mode.
Supports SMART auto save timer.

Error logging capability: (0x01) Error logging supported.
General Purpose Logging supported.

Short self-test routine recommended polling time: (1) minutes.
Extended self-test routine recommended polling time: (2) minutes.
Conveyance self-test routine recommended polling time: (2) minutes.

SCT capabilities: (0x003d) SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
5	Reallocated_Sector_Ct	0x0032	100	100	000	Old_age	Always	-	0
9	Power_On_Hours	0x0032	100	100	000	Old_age	Always	-	22576
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	49
170	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
171	Program_Fail_Count	0x0032	100	100	000	Old_age	Always	-	0
172	Erase_Fail_Count	0x0032	100	100	000	Old_age	Always	-	0
174	Unsafe_Shutdown_Count	0x0032	100	100	000	Old_age	Always	-	28
175	Power_Loss_Cap_Test	0x0033	100	100	010	Pre-fail	Always	-	11550 (84 33)
183	SATA_Downshift_Count	0x0032	100	100	000	Old_age	Always	-	0
184	End-to-End_Error	0x0033	100	100	090	Pre-fail	Always	-	0
187	Reported_Uncorrect	0x0032	100	100	000	Old_age	Always	-	0
190	Temperature_Case	0x0022	075	075	000	Old_age	Always	-	25 (Min/Max 23/26)
192	Unsafe_Shutdown_Count	0x0032	100	100	000	Old_age	Always	-	28
194	Temperature_Internal	0x0022	100	100	000	Old_age	Always	-	25
197	Current_Pending_Sector	0x0012	100	100	000	Old_age	Always	-	0
199	CRC_Error_Count	0x003e	100	100	000	Old_age	Always	-	0
225	Host_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	219485
226	Workld_Media_Wear_Indic	0x0032	100	100	000	Old_age	Always	-	604
227	Workld_Host_Reads_Perc	0x0032	100	100	000	Old_age	Always	-	99
228	Workload_Minutes	0x0032	100	100	000	Old_age	Always	-	1354364
232	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
233	Media_Wearout_Indicator	0x0032	100	100	000	Old_age	Always	-	0
234	Thermal_Throttle	0x0032	100	100	000	Old_age	Always	-	0/0
241	Host_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	219485
242	Host_Reads_32MiB	0x0032	100	100	000	Old_age	Always	-	38421340
243	NAND_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	7033801

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	22575	-
# 2	Extended offline	Completed without error	00%	22568	-
# 3	Extended offline	Completed without error	00%	22555	-
# 4	Extended offline	Completed without error	00%	22531	-
# 5	Extended offline	Completed without error	00%	22507	-

# 6	Extended	offline	Completed	without	error	00%	22483	-
# 7	Extended	offline	Completed	without	error	00%	22459	-
# 8	Extended	offline	Completed	without	error	00%	22435	-
# 9	Extended	offline	Completed	without	error	00%	22411	-
#10	Extended	offline	Completed	without	error	00%	22387	-
#11	Extended	offline	Completed	without	error	00%	22363	-
#12	Extended	offline	Completed	without	error	00%	22339	-
#13	Extended	offline	Completed	without	error	00%	22315	-
#14	Extended	offline	Completed	without	error	00%	22291	-
#15	Extended	offline	Completed	without	error	00%	22267	-
#16	Extended	offline	Completed	without	error	00%	22243	-
#17	Extended	offline	Completed	without	error	00%	22219	-
#18	Extended	offline	Completed	without	error	00%	22195	-
#19	Extended	offline	Completed	without	error	00%	22171	-
#20	Extended	offline	Completed	without	error	00%	22147	-
#21	Extended	offline	Completed	without	error	00%	22123	-

```
XXX@YYY:~ # smartctl /dev/da3 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org
```

```

=== START OF READ SMART DATA SECTION ===
SMART overall-health self-assessment test result: PASSED

```


Short self-test routine
recommended polling time: (2) minutes.
Extended self-test routine
recommended polling time: (1092) minutes.
SCT capabilities: (0x003d) SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	134	134	054	Pre-fail	Offline	-	96
3	Spin_Up_Time	0x0007	176	176	024	Pre-fail	Always	-	356 (Average 393)
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	404
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	33600
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	404
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3719
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3719
194	Temperature_Celsius	0x0002	214	214	000	Old_age	Always	-	28 (Min/Max 20/53)
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	0

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	33599	-
# 2	Extended offline	Interrupted (host reset)	70%	33594	-
# 3	Extended offline	Completed without error	00%	33572	-
# 4	Extended offline	Completed without error	00%	33548	-
# 5	Extended offline	Completed without error	00%	33524	-
# 6	Extended offline	Completed without error	00%	33500	-
# 7	Extended offline	Completed without error	00%	33476	-
# 8	Extended offline	Completed without error	00%	33452	-
# 9	Extended offline	Completed without error	00%	33428	-
#10	Extended offline	Completed without error	00%	33404	-
#11	Extended offline	Completed without error	00%	33380	-
#12	Extended offline	Completed without error	00%	33356	-
#13	Extended offline	Completed without error	00%	33332	-
#14	Extended offline	Completed without error	00%	33308	-
#15	Extended offline	Completed without error	00%	33284	-
#16	Extended offline	Completed without error	00%	33260	-
#17	Extended offline	Completed without error	00%	33236	-
#18	Extended offline	Completed without error	00%	33212	-
#19	Extended offline	Completed without error	00%	33188	-
#20	Extended offline	Completed without error	00%	33164	-
#21	Extended offline	Completed without error	00%	33146	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

=== START OF INFORMATION SECTION ===

Model Family: HGST Ultrastar He10
 Device Model: HGST HUH721010ALE600
 Serial Number: 2THLA7ND
 LU WWN Device Id: 5 000cca 26ad66ca6
 Firmware Version: LHGNT384
 User Capacity: 10,000,831,348,736 bytes [10.0 TB]
 Sector Sizes: 512 bytes logical, 4096 bytes physical
 Rotation Rate: 7200 rpm
 Form Factor: 3.5 inches
 Device is: In smartctl database [for details use: -P show]
 ATA Version is: ACS-2, ATA8-ACS T13/1699-D revision 4
 SATA Version is: SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
 Local Time is: Mon Mar 6 20:12:03 2023 EST
 SMART support is: Available - device has SMART capability.
 SMART support is: Enabled

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x80) Offline data collection activity
 was never started.
 Auto Offline Data Collection: Enabled.
 Self-test execution status: (0) The previous self-test routine completed
 without error or no self-test has ever
 been run.
 Total time to complete Offline
 data collection: (93) seconds.
 Offline data collection
 capabilities: (0x5b) SMART execute Offline immediate.
 Auto Offline data collection on/off support.
 Suspend Offline collection upon new
 command.
 Offline surface scan supported.
 Self-test supported.
 No Conveyance Self-test supported.
 Selective Self-test supported.
 SMART capabilities: (0x0003) Saves SMART data before entering
 power-saving mode.
 Supports SMART auto save timer.
 Error logging capability: (0x01) Error logging supported.
 General Purpose Logging supported.
 Short self-test routine
 recommended polling time: (2) minutes.
 Extended self-test routine
 recommended polling time: (1180) minutes.
 SCT capabilities: (0x003d) SCT Status supported.
 SCT Error Recovery Control supported.
 SCT Feature Control supported.
 SCT Data Table supported.

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	133	133	054	Pre-fail	Offline	-	100
3	Spin_Up_Time	0x0007	155	155	024	Pre-fail	Always	-	403 (Average
444)									
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	400
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	33597
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	400
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3630
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3630
194	Temperature_Celsius	0x0002	230	230	000	Old_age	Always	-	26 (Min/Max
19/53)									
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	0

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	33595	-
# 2	Extended offline	Completed without error	00%	33573	-
# 3	Extended offline	Completed without error	00%	33549	-
# 4	Extended offline	Completed without error	00%	33525	-
# 5	Extended offline	Completed without error	00%	33501	-
# 6	Extended offline	Completed without error	00%	33477	-
# 7	Extended offline	Completed without error	00%	33453	-
# 8	Extended offline	Completed without error	00%	33429	-
# 9	Extended offline	Completed without error	00%	33405	-
#10	Extended offline	Completed without error	00%	33381	-
#11	Extended offline	Completed without error	00%	33357	-
#12	Extended offline	Completed without error	00%	33333	-
#13	Extended offline	Completed without error	00%	33309	-
#14	Extended offline	Completed without error	00%	33285	-
#15	Extended offline	Completed without error	00%	33261	-
#16	Extended offline	Completed without error	00%	33237	-
#17	Extended offline	Completed without error	00%	33218	-
#18	Extended offline	Completed without error	00%	33189	-
#19	Extended offline	Completed without error	00%	33146	-
#20	Extended offline	Completed without error	00%	33117	-
#21	Extended offline	Completed without error	00%	33095	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

XXX@YYY:~ # smartctl /dev/da5 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

=== START OF INFORMATION SECTION ===

Device Model: INTEL SSDSC2BX016T4K
Serial Number: BTHC6486015V1P6PGN
LU WWN Device Id: 5 5cd2e4 14d8d8ef1
Firmware Version: G201CS01
User Capacity: 1,600,321,314,816 bytes [1.60 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: Solid State Device
Form Factor: 2.5 inches
TRIM Command: Available, deterministic, zeroed
Device is: Not in smartctl database [for details use: -P showall]
ATA Version is: ACS-2 T13/2015-D revision 3
SATA Version is: SATA 2.6, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:13:34 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x03) Offline data collection activity
is in progress.
Auto Offline Data Collection: Disabled.
Self-test execution status: (4) The previous self-test routine completed
without error or no self-test has ever
been run.

Total time to complete Offline
data collection: (240) seconds.
Offline data collection
capabilities: (0x79) SMART execute Offline immediate.

No Auto Offline data collection support.
 Suspend Offline collection upon new command.
 Offline surface scan supported.
 Self-test supported.
 Conveyance Self-test supported.
 Selective Self-test supported.
 SMART capabilities: (0x0003) Saves SMART data before entering power-saving mode.
 Supports SMART auto save timer.
 Error logging capability: (0x01) Error logging supported.
 General Purpose Logging supported.
 Short self-test routine recommended polling time: (1) minutes.
 Extended self-test routine recommended polling time: (2) minutes.
 Conveyance self-test routine recommended polling time: (2) minutes.
 SCT capabilities: (0x003d) SCT Status supported.
 SCT Error Recovery Control supported.
 SCT Feature Control supported.
 SCT Data Table supported.

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
5	Reallocated_Sector_Ct	0x0032	100	100	000	Old_age	Always	-	0
9	Power_On_Hours	0x0032	100	100	000	Old_age	Always	-	38054
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	168
170	Unknown_Attribute	0x0033	100	100	010	Pre-fail	Always	-	0
171	Unknown_Attribute	0x0032	100	100	000	Old_age	Always	-	0
172	Unknown_Attribute	0x0032	100	100	000	Old_age	Always	-	0
174	Unknown_Attribute	0x0032	100	100	000	Old_age	Always	-	141
175	Program_Fail_Count_Chip	0x0033	100	100	010	Pre-fail	Always	-	635657793318
183	Runtime_Bad_Block	0x0032	100	100	000	Old_age	Always	-	0
184	End-to-End_Error	0x0033	100	100	090	Pre-fail	Always	-	0
187	Reported_Uncorrect	0x0032	100	100	000	Old_age	Always	-	0
190	Airflow_Temperature_Cel	0x0022	076	076	000	Old_age	Always	-	24 (Min/Max 23/25)
192	Power-Off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	141
194	Temperature_Celsius	0x0022	100	100	000	Old_age	Always	-	24
197	Current_Pending_Sector	0x0012	100	100	000	Old_age	Always	-	0
199	UDMA_CRC_Error_Count	0x003e	100	100	000	Old_age	Always	-	0
225	Unknown_SSD_Attribute	0x0032	100	100	000	Old_age	Always	-	608397
226	Unknown_SSD_Attribute	0x0032	100	100	000	Old_age	Always	-	645
227	Unknown_SSD_Attribute	0x0032	100	100	000	Old_age	Always	-	98
228	Power-off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	2282755
232	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
233	Media_Wearout_Indicator	0x0032	100	100	000	Old_age	Always	-	0
234	Unknown_Attribute	0x0032	100	100	000	Old_age	Always	-	0
241	Total_LBAs_Written	0x0032	100	100	000	Old_age	Always	-	608397
242	Total_LBAs_Read	0x0032	100	100	000	Old_age	Always	-	38328859
243	Unknown_Attribute	0x0032	100	100	000	Old_age	Always	-	7503764

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	38052	-
# 2	Extended offline	Completed without error	00%	38046	-
# 3	Extended offline	Completed without error	00%	38033	-
# 4	Extended offline	Completed without error	00%	38009	-
# 5	Extended offline	Completed without error	00%	37985	-
# 6	Extended offline	Completed without error	00%	37961	-
# 7	Extended offline	Completed without error	00%	37937	-
# 8	Extended offline	Completed without error	00%	37913	-
# 9	Extended offline	Completed without error	00%	37889	-
#10	Extended offline	Completed without error	00%	37865	-
#11	Extended offline	Completed without error	00%	37841	-
#12	Extended offline	Completed without error	00%	37817	-
#13	Extended offline	Completed without error	00%	37793	-
#14	Extended offline	Completed without error	00%	37769	-
#15	Extended offline	Completed without error	00%	37745	-
#16	Extended offline	Completed without error	00%	37721	-
#17	Extended offline	Completed without error	00%	37697	-

#18	Extended offline	Completed without error	00%	37673	-
#19	Extended offline	Completed without error	00%	37649	-
#20	Extended offline	Completed without error	00%	37625	-
#21	Extended offline	Completed without error	00%	37601	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

```

XXX@YYY:~ # smartctl /dev/da6 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

```

=== START OF INFORMATION SECTION ===

```

Model Family:      HGST Ultrastar He10
Device Model:      HGST HUH721010ALE600
Serial Number:     2THHJAGD
LU WWN Device Id:  5 000cca 26ad52666
Firmware Version:  LHGNT384
User Capacity:     10,000,831,348,736 bytes [10.0 TB]
Sector Sizes:      512 bytes logical, 4096 bytes physical
Rotation Rate:     7200 rpm
Form Factor:       3.5 inches
Device is:         In smartctl database [for details use: -P show]
ATA Version is:    ACS-2, ATA8-ACS T13/1699-D revision 4
SATA Version is:   SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:     Mon Mar 6 20:15:01 2023 EST
SMART support is:  Available - device has SMART capability.
SMART support is:  Enabled

```

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

```

Offline data collection status:  (0x80) Offline data collection activity
                                   was never started.
                                   Auto Offline Data Collection: Enabled.
Self-test execution status:      (   0) The previous self-test routine completed
                                   without error or no self-test has ever
                                   been run.
Total time to complete Offline
data collection:                  (   93) seconds.
Offline data collection
capabilities:                      (0x5b) SMART execute Offline immediate.
                                   Auto Offline data collection on/off support.
                                   Suspend Offline collection upon new
                                   command.
                                   Offline surface scan supported.
                                   Self-test supported.
                                   No Conveyance Self-test supported.
                                   Selective Self-test supported.
SMART capabilities:              (0x0003) Saves SMART data before entering
                                   power-saving mode.
                                   Supports SMART auto save timer.
Error logging capability:        (0x01) Error logging supported.
                                   General Purpose Logging supported.
Short self-test routine
recommended polling time:        (   2) minutes.
Extended self-test routine
recommended polling time:        (1044) minutes.
SCT capabilities:                (0x003d) SCT Status supported.
                                   SCT Error Recovery Control supported.
                                   SCT Feature Control supported.
                                   SCT Data Table supported.

```

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
-----	----------------	------	-------	-------	--------	------	---------	-------------	-----------

1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	134	134	054	Pre-fail	Offline	-	96
3	Spin_Up_Time	0x0007	175	175	024	Pre-fail	Always	-	357 (Average 396)
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	404
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	33600
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	404
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3784
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3784
194	Temperature_Celsius	0x0002	222	222	000	Old_age	Always	-	27 (Min/Max 20/56)
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	0

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	33599	-
# 2	Extended offline	Interrupted (host reset)	70%	33594	-
# 3	Extended offline	Completed without error	00%	33571	-
# 4	Extended offline	Completed without error	00%	33547	-
# 5	Extended offline	Completed without error	00%	33523	-
# 6	Extended offline	Completed without error	00%	33499	-
# 7	Extended offline	Completed without error	00%	33475	-
# 8	Extended offline	Completed without error	00%	33451	-
# 9	Extended offline	Completed without error	00%	33427	-
#10	Extended offline	Completed without error	00%	33403	-
#11	Extended offline	Completed without error	00%	33379	-
#12	Extended offline	Completed without error	00%	33355	-
#13	Extended offline	Completed without error	00%	33331	-
#14	Extended offline	Completed without error	00%	33307	-
#15	Extended offline	Completed without error	00%	33283	-
#16	Extended offline	Completed without error	00%	33259	-
#17	Extended offline	Completed without error	00%	33235	-
#18	Extended offline	Completed without error	00%	33218	-
#19	Extended offline	Completed without error	00%	33187	-
#20	Extended offline	Completed without error	00%	33146	-
#21	Extended offline	Completed without error	00%	33115	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

XXX@YYY:~ # smartctl /dev/da7 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

=== START OF INFORMATION SECTION ===

Model Family: Intel 730 and DC S35x0/3610/3700 Series SSDs
Device Model: INTEL SSDSC2BX016T4
Serial Number: BTHC625102521P6PGN
LU WWN Device Id: 5 5cd2e4 04c263bdc
Firmware Version: G2010140
User Capacity: 1,600,321,314,816 bytes [1.60 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: Solid State Device
Form Factor: 2.5 inches
TRIM Command: Available, deterministic, zeroed

Device is: In smartctl database [for details use: -P show]
ATA Version is: ACS-2 T13/2015-D revision 3
SATA Version is: SATA 2.6, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:16:03 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

=== START OF READ SMART DATA SECTION ===
SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x03) Offline data collection activity
is in progress.
Auto Offline Data Collection: Disabled.

Self-test execution status: (3) The previous self-test routine completed
without error or no self-test has ever
been run.

Total time to complete Offline
data collection: (240) seconds.

Offline data collection
capabilities: (0x79) SMART execute Offline immediate.
No Auto Offline data collection support.
Suspend Offline collection upon new
command.
Offline surface scan supported.
Self-test supported.
Conveyance Self-test supported.
Selective Self-test supported.

SMART capabilities: (0x0003) Saves SMART data before entering
power-saving mode.
Supports SMART auto save timer.

Error logging capability: (0x01) Error logging supported.
General Purpose Logging supported.

Short self-test routine
recommended polling time: (1) minutes.

Extended self-test routine
recommended polling time: (2) minutes.

Conveyance self-test routine
recommended polling time: (2) minutes.

SCT capabilities: (0x003d) SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
5	Reallocated_Sector_Ct	0x0032	100	100	000	Old_age	Always	-	0
9	Power_On_Hours	0x0032	100	100	000	Old_age	Always	-	11580
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	28
170	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
171	Program_Fail_Count	0x0032	100	100	000	Old_age	Always	-	0
172	Erase_Fail_Count	0x0032	100	100	000	Old_age	Always	-	0
174	Unsafe_Shutdown_Count	0x0032	100	100	000	Old_age	Always	-	22
175	Power_Loss_Cap_Test	0x0033	100	100	010	Pre-fail	Always	-	12350 (43 43)
183	SATA_Downshift_Count	0x0032	100	100	000	Old_age	Always	-	0
184	End-to-End_Error	0x0033	100	100	090	Pre-fail	Always	-	0
187	Reported_Uncorrect	0x0032	100	100	000	Old_age	Always	-	0
190	Temperature_Case	0x0022	074	074	000	Old_age	Always	-	26 (Min/Max 23/26)
192	Unsafe_Shutdown_Count	0x0032	100	100	000	Old_age	Always	-	22
194	Temperature_Internal	0x0022	100	100	000	Old_age	Always	-	26
197	Current_Pending_Sector	0x0012	100	100	000	Old_age	Always	-	0
199	CRC_Error_Count	0x003e	100	100	000	Old_age	Always	-	0
225	Host_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	214863
226	Workld_Media_Wear_Indic	0x0032	100	100	000	Old_age	Always	-	51
227	Workld_Host_Reads_Perc	0x0032	100	100	000	Old_age	Always	-	94
228	Workload_Minutes	0x0032	100	100	000	Old_age	Always	-	694705
232	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
233	Media_Wearout_Indicator	0x0032	100	100	000	Old_age	Always	-	0
234	Thermal_Throttle	0x0032	100	100	000	Old_age	Always	-	0/0
241	Host_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	214863
242	Host_Reads_32MiB	0x0032	100	100	000	Old_age	Always	-	3753077
243	NAND_Writes_32MiB	0x0032	100	100	000	Old_age	Always	-	669646

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	11556	-
# 2	Extended offline	Completed without error	00%	11532	-
# 3	Extended offline	Completed without error	00%	11508	-
# 4	Extended offline	Completed without error	00%	11484	-
# 5	Extended offline	Completed without error	00%	11460	-
# 6	Extended offline	Completed without error	00%	11436	-
# 7	Extended offline	Completed without error	00%	11412	-
# 8	Extended offline	Completed without error	00%	11376	-
# 9	Extended offline	Completed without error	00%	11352	-
#10	Extended offline	Completed without error	00%	11328	-
#11	Extended offline	Completed without error	00%	11304	-
#12	Extended offline	Completed without error	00%	11280	-
#13	Extended offline	Completed without error	00%	11256	-
#14	Extended offline	Completed without error	00%	11232	-
#15	Extended offline	Completed without error	00%	11208	-
#16	Extended offline	Completed without error	00%	11184	-
#17	Extended offline	Completed without error	00%	11160	-
#18	Extended offline	Completed without error	00%	11136	-
#19	Extended offline	Completed without error	00%	11112	-
#20	Extended offline	Completed without error	00%	11088	-
#21	Extended offline	Completed without error	00%	11064	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

XXX@YYY:~ # smartctl /dev/da8 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

=== START OF INFORMATION SECTION ===

Model Family: HGST Ultrastar He10
Device Model: HGST HUH721010ALE600
Serial Number: 2TH6J5ED
LU WWN Device Id: 5 000cca 26ad10e73
Firmware Version: LHGNT384
User Capacity: 10,000,831,348,736 bytes [10.0 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: 7200 rpm
Form Factor: 3.5 inches
Device is: In smartctl database [for details use: -P show]
ATA Version is: ACS-2, ATA8-ACS T13/1699-D revision 4
SATA Version is: SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:17:30 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x80) Offline data collection activity
was never started.

Self-test execution status: (0) The previous self-test routine completed
without error or no self-test has ever
been run.

Total time to complete Offline
data collection: (93) seconds.

Offline data collection
capabilities: (0x5b) SMART execute Offline immediate.
Auto Offline data collection on/off support.
Suspend Offline collection upon new

command.
 Offline surface scan supported.
 Self-test supported.
 No Conveyance Self-test supported.
 Selective Self-test supported.

SMART capabilities: (0x0003) Saves SMART data before entering power-saving mode.
 Supports SMART auto save timer.

Error logging capability: (0x01) Error logging supported.
 General Purpose Logging supported.

Short self-test routine recommended polling time: (2) minutes.
 Extended self-test routine recommended polling time: (1108) minutes.

SCT capabilities: (0x003d) SCT Status supported.
 SCT Error Recovery Control supported.
 SCT Feature Control supported.
 SCT Data Table supported.

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	134	134	054	Pre-fail	Offline	-	96
3	Spin_Up_Time	0x0007	168	168	024	Pre-fail	Always	-	375 (Average
409)									
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	404
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	33601
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	404
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3725
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3725
194	Temperature_Celsius	0x0002	214	214	000	Old_age	Always	-	28 (Min/Max
20/56)									
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	0

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	33599	-
# 2	Extended offline	Interrupted (host reset)	80%	33594	-
# 3	Extended offline	Completed without error	00%	33572	-
# 4	Extended offline	Completed without error	00%	33548	-
# 5	Extended offline	Completed without error	00%	33524	-
# 6	Extended offline	Completed without error	00%	33500	-
# 7	Extended offline	Completed without error	00%	33476	-
# 8	Extended offline	Completed without error	00%	33452	-
# 9	Extended offline	Completed without error	00%	33428	-
#10	Extended offline	Completed without error	00%	33404	-
#11	Extended offline	Completed without error	00%	33380	-
#12	Extended offline	Completed without error	00%	33356	-
#13	Extended offline	Completed without error	00%	33332	-
#14	Extended offline	Completed without error	00%	33308	-
#15	Extended offline	Completed without error	00%	33284	-
#16	Extended offline	Completed without error	00%	33260	-
#17	Extended offline	Completed without error	00%	33218	-
#18	Extended offline	Completed without error	00%	33188	-
#19	Extended offline	Completed without error	00%	33147	-
#20	Extended offline	Completed without error	00%	33116	-
#21	Extended offline	Completed without error	00%	33097	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing

5 0 0 Not_testing
Selective self-test flags (0x0):
After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

XXX@YYY:~ # smartctl /dev/da9 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

=== START OF INFORMATION SECTION ===

Model Family: HGST Ultrastar He10
Device Model: HGST HUH721010ALE600
Serial Number: 2TH7DTAD
LU WVN Device Id: 5 000cca 26ad17618
Firmware Version: LHGNT384
User Capacity: 10,000,831,348,736 bytes [10.0 TB]
Sector Sizes: 512 bytes logical, 4096 bytes physical
Rotation Rate: 7200 rpm
Form Factor: 3.5 inches
Device is: In smartctl database [for details use: -P show]
ATA Version is: ACS-2, ATA8-ACS T13/1699-D revision 4
SATA Version is: SATA 3.2, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is: Mon Mar 6 20:18:44 2023 EST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x80) Offline data collection activity
was never started.
Auto Offline Data Collection: Enabled.
Self-test execution status: (0) The previous self-test routine completed
without error or no self-test has ever
been run.
Total time to complete Offline
data collection: (93) seconds.
Offline data collection
capabilities: (0x5b) SMART execute Offline immediate.
Auto Offline data collection on/off support.
Suspend Offline collection upon new
command.
Offline surface scan supported.
Self-test supported.
No Conveyance Self-test supported.
Selective Self-test supported.
SMART capabilities: (0x0003) Saves SMART data before entering
power-saving mode.
Supports SMART auto save timer.
Error logging capability: (0x01) Error logging supported.
General Purpose Logging supported.
Short self-test routine
recommended polling time: (2) minutes.
Extended self-test routine
recommended polling time: (1124) minutes.
SCT capabilities: (0x003d) SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 16

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	016	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	134	134	054	Pre-fail	Offline	-	96
3	Spin_Up_Time	0x0007	172	172	024	Pre-fail	Always	-	363 (Average
402)									
4	Start_Stop_Count	0x0012	100	100	000	Old_age	Always	-	404
5	Reallocated_Sector_Ct	0x0033	100	100	005	Pre-fail	Always	-	0
7	Seek_Error_Rate	0x000b	100	100	067	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	128	128	020	Pre-fail	Offline	-	18
9	Power_On_Hours	0x0012	096	096	000	Old_age	Always	-	33601
10	Spin_Retry_Count	0x0013	100	100	060	Pre-fail	Always	-	0

12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	404
22	Helium_Level	0x0023	100	100	025	Pre-fail	Always	-	100
192	Power-Off_Retract_Count	0x0032	097	097	000	Old_age	Always	-	3709
193	Load_Cycle_Count	0x0012	097	097	000	Old_age	Always	-	3709
194	Temperature_Celsius	0x0002	214	214	000	Old_age	Always	-	28 (Min/Max 20/56)
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	0
197	Current_Pending_Sector	0x0022	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0008	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x000a	200	200	000	Old_age	Always	-	0

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Interrupted (host reset)	90%	33599	-
# 2	Extended offline	Interrupted (host reset)	80%	33594	-
# 3	Extended offline	Completed without error	00%	33572	-
# 4	Extended offline	Completed without error	00%	33548	-
# 5	Extended offline	Completed without error	00%	33524	-
# 6	Extended offline	Completed without error	00%	33500	-
# 7	Extended offline	Completed without error	00%	33476	-
# 8	Extended offline	Completed without error	00%	33452	-
# 9	Extended offline	Completed without error	00%	33428	-
#10	Extended offline	Completed without error	00%	33404	-
#11	Extended offline	Completed without error	00%	33380	-
#12	Extended offline	Completed without error	00%	33356	-
#13	Extended offline	Completed without error	00%	33332	-
#14	Extended offline	Completed without error	00%	33308	-
#15	Extended offline	Completed without error	00%	33284	-
#16	Extended offline	Completed without error	00%	33260	-
#17	Extended offline	Completed without error	00%	33236	-
#18	Extended offline	Completed without error	00%	33212	-
#19	Extended offline	Completed without error	00%	33188	-
#20	Extended offline	Completed without error	00%	33164	-
#21	Extended offline	Completed without error	00%	33140	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

```

XXX@YYY:~ # smartctl /dev/ada0 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

```

=== START OF INFORMATION SECTION ===

```

Model Family:      Silicon Motion based OEM SSDs
Device Model:      SuperMicro SSD
Serial Number:     SMC0515D92517CE63063
LU WWN Device Id:  5 15d925 17c000063
Firmware Version:  SOB20R
User Capacity:     63,350,767,616 bytes [63.3 GB]
Sector Size:       512 bytes logical/physical
Rotation Rate:     Solid State Device
TRIM Command:      Available, deterministic, zeroed
Device is:         In smartctl database [for details use: -P show]
ATA Version is:    ACS-2 (minor revision not indicated)
SATA Version is:   SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:     Mon Mar  6 20:19:59 2023 EST
SMART support is:  Available - device has SMART capability.
SMART support is:  Enabled

```

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

Offline data collection status: (0x02) Offline data collection activity

was completed without error.
Auto Offline Data Collection: Disabled.
Self-test execution status: (0) The previous self-test routine completed
without error or no self-test has ever
been run.

Total time to complete Offline
data collection: (0) seconds.

Offline data collection
capabilities: (0x71) SMART execute Offline immediate.
No Auto Offline data collection support.
Suspend Offline collection upon new
command.
No Offline surface scan supported.
Self-test supported.
Conveyance Self-test supported.
Selective Self-test supported.

SMART capabilities: (0x0002) Does not save SMART data before
entering power-saving mode.
Supports SMART auto save timer.

Error logging capability: (0x01) Error logging supported.
General Purpose Logging supported.

Short self-test routine
recommended polling time: (2) minutes.

Extended self-test routine
recommended polling time: (10) minutes.

Conveyance self-test routine
recommended polling time: (2) minutes.

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x0000	100	100	000	Old_age	Offline	-	0
5	Reallocated_Sector_Ct	0x0000	100	100	000	Old_age	Offline	-	0
9	Power_On_Hours	0x0000	100	100	000	Old_age	Offline	-	31799
12	Power_Cycle_Count	0x0000	100	100	000	Old_age	Offline	-	103
15	Unknown_Attribute	0x0000	100	100	000	Old_age	Offline	-	123731968
160	Uncorrectable_Error_Cnt	0x0000	100	100	000	Old_age	Offline	-	0
161	Valid_Spare_Block_Cnt	0x0000	100	100	000	Old_age	Offline	-	159
163	Initial_Bad_Block_Count	0x0000	100	100	000	Old_age	Offline	-	14
164	Total_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	211257
165	Max_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	150
166	Min_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	48
167	Average_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	101
168	Max_Erase_Count_of_Spec	0x0000	100	100	000	Old_age	Offline	-	3000
172	Unknown_Attribute	0x0000	100	100	000	Old_age	Offline	-	0
175	Program_Fail_Count_Chip	0x0000	100	100	000	Old_age	Offline	-	14
177	Wear_Leveling_Count	0x0000	100	100	000	Old_age	Offline	-	599
181	Program_Fail_Cnt_Total	0x0000	100	100	000	Old_age	Offline	-	0
187	Reported_Uncorrect	0x0000	100	100	000	Old_age	Offline	-	0
192	Power-Off_Retract_Count	0x0000	100	100	000	Old_age	Offline	-	7
194	Temperature_Celsius	0x0000	100	100	000	Old_age	Offline	-	33 (Min/Max 19/50)
195	Hardware_ECC_Recovered	0x0000	100	100	000	Old_age	Offline	-	442
197	Current_Pending_Sector	0x0000	100	100	000	Old_age	Offline	-	0
198	Offline_Uncorrectable	0x0000	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x0000	100	100	000	Old_age	Offline	-	0
231	Unknown_SSD_Attribute	0x0000	100	100	000	Old_age	Offline	-	100
232	Available_Reservd_Space	0x0000	100	100	000	Old_age	Offline	-	97
233	Media_Wearout_Indicator	0x0000	100	100	000	Old_age	Offline	-	6601
241	Host_Writes_32MiB	0x0000	100	100	000	Old_age	Offline	-	4963
242	Host_Reads_32MiB	0x0000	100	100	000	Old_age	Offline	-	3017

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	52	-
# 2	Extended offline	Completed without error	00%	46	-
# 3	Extended offline	Completed without error	00%	33	-
# 4	Extended offline	Completed without error	00%	9	-
# 5	Extended offline	Completed without error	00%	241	-
# 6	Extended offline	Completed without error	00%	217	-
# 7	Extended offline	Completed without error	00%	194	-
# 8	Extended offline	Completed without error	00%	170	-
# 9	Extended offline	Completed without error	00%	146	-

#10	Extended offline	Completed without error	00%	122	-
#11	Extended offline	Completed without error	00%	98	-
#12	Extended offline	Completed without error	00%	74	-
#13	Extended offline	Completed without error	00%	50	-
#14	Extended offline	Completed without error	00%	26	-
#15	Extended offline	Completed without error	00%	2	-
#16	Extended offline	Completed without error	00%	234	-
#17	Extended offline	Completed without error	00%	210	-
#18	Extended offline	Completed without error	00%	186	-
#19	Extended offline	Completed without error	00%	162	-
#20	Extended offline	Completed without error	00%	138	-
#21	Extended offline	Completed without error	00%	114	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.

```

XXX@YYY:~ # smartctl /dev/ada1 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org

```

=== START OF INFORMATION SECTION ===

```

Model Family:      Silicon Motion based OEM SSDs
Device Model:      SuperMicro SSD
Serial Number:     SMC0515D92117CF82133
LU WWN Device Id: 5 15d921 17c000133
Firmware Version:  S0B20R
User Capacity:     63,350,767,616 bytes [63.3 GB]
Sector Size:       512 bytes logical/physical
Rotation Rate:     Solid State Device
TRIM Command:      Available, deterministic, zeroed
Device is:         In smartctl database [for details use: -P show]
ATA Version is:    ACS-2 (minor revision not indicated)
SATA Version is:   SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:     Mon Mar 6 20:20:52 2023 EST
SMART support is:  Available - device has SMART capability.
SMART support is:  Enabled

```

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

```

Offline data collection status:  (0x02) Offline data collection activity
                                     was completed without error.
                                     Auto Offline Data Collection: Disabled.
Self-test execution status:      (   0) The previous self-test routine completed
                                     without error or no self-test has ever
                                     been run.
Total time to complete Offline
data collection:                  (   0) seconds.
Offline data collection
capabilities:                      (0x71) SMART execute Offline immediate.
                                     No Auto Offline data collection support.
                                     Suspend Offline collection upon new
                                     command.
                                     No Offline surface scan supported.
                                     Self-test supported.
                                     Conveyance Self-test supported.
                                     Selective Self-test supported.
SMART capabilities:              (0x0002) Does not save SMART data before
                                     entering power-saving mode.
                                     Supports SMART auto save timer.
Error logging capability:        (0x01) Error logging supported.
                                     General Purpose Logging supported.
Short self-test routine
recommended polling time:        (   2) minutes.
Extended self-test routine

```

recommended polling time: (10) minutes.
 Conveyance self-test routine
 recommended polling time: (2) minutes.

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x0000	100	100	000	Old_age	Offline	-	0
5	Reallocated_Sector_Ct	0x0000	100	100	000	Old_age	Offline	-	0
9	Power_On_Hours	0x0000	100	100	000	Old_age	Offline	-	31798
12	Power_Cycle_Count	0x0000	100	100	000	Old_age	Offline	-	108
15	Unknown_Attribute	0x0000	100	100	000	Old_age	Offline	-	123731968
160	Uncorrectable_Error_Cnt	0x0000	100	100	000	Old_age	Offline	-	0
161	Valid_Spare_Block_Cnt	0x0000	100	100	000	Old_age	Offline	-	163
163	Initial_Bad_Block_Count	0x0000	100	100	000	Old_age	Offline	-	10
164	Total_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	217542
165	Max_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	148
166	Min_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	47
167	Average_Erase_Count	0x0000	100	100	000	Old_age	Offline	-	104
168	Max_Erase_Count_of_Spec	0x0000	100	100	000	Old_age	Offline	-	3000
172	Unknown_Attribute	0x0000	100	100	000	Old_age	Offline	-	0
175	Program_Fail_Count_Chip	0x0000	100	100	000	Old_age	Offline	-	10
177	Wear_Leveling_Count	0x0000	100	100	000	Old_age	Offline	-	1509
181	Program_Fail_Cnt_Total	0x0000	100	100	000	Old_age	Offline	-	0
187	Reported_Uncorrect	0x0000	100	100	000	Old_age	Offline	-	0
192	Power-Off_Retract_Count	0x0000	100	100	000	Old_age	Offline	-	8
194	Temperature_Celsius	0x0000	100	100	000	Old_age	Offline	-	32 (Min/Max 15/48)
195	Hardware_ECC_Recovered	0x0000	100	100	000	Old_age	Offline	-	5612
197	Current_Pending_Sector	0x0000	100	100	000	Old_age	Offline	-	0
198	Offline_Uncorrectable	0x0000	100	100	000	Old_age	Offline	-	0
199	UDMA_CRC_Error_Count	0x0000	100	100	000	Old_age	Offline	-	0
231	Unknown_SSD_Attribute	0x0000	100	100	000	Old_age	Offline	-	100
232	Available_Reservd_Space	0x0000	100	100	000	Old_age	Offline	-	97
233	Media_Wearout_Indicator	0x0000	100	100	000	Old_age	Offline	-	6798
241	Host_Writes_32MiB	0x0000	100	100	000	Old_age	Offline	-	4975
242	Host_Reads_32MiB	0x0000	100	100	000	Old_age	Offline	-	2985

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	51	-
# 2	Extended offline	Completed without error	00%	45	-
# 3	Extended offline	Completed without error	00%	32	-
# 4	Extended offline	Completed without error	00%	8	-
# 5	Extended offline	Completed without error	00%	240	-
# 6	Extended offline	Completed without error	00%	216	-
# 7	Extended offline	Completed without error	00%	192	-
# 8	Extended offline	Completed without error	00%	168	-
# 9	Extended offline	Completed without error	00%	145	-
#10	Extended offline	Completed without error	00%	121	-
#11	Extended offline	Completed without error	00%	97	-
#12	Extended offline	Completed without error	00%	73	-
#13	Extended offline	Completed without error	00%	49	-
#14	Extended offline	Completed without error	00%	25	-
#15	Extended offline	Completed without error	00%	1	-
#16	Extended offline	Completed without error	00%	233	-
#17	Extended offline	Completed without error	00%	209	-
#18	Extended offline	Completed without error	00%	185	-
#19	Extended offline	Completed without error	00%	161	-
#20	Extended offline	Completed without error	00%	137	-
#21	Extended offline	Completed without error	00%	113	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
 If Selective self-test is pending on power-up, resume after 0 minute delay.

```
XXX@YYY:~ # smartctl /dev/ada2 -a
smartctl 7.2 2021-09-14 r5236 [FreeBSD 13.1-RELEASE-p2 amd64] (local build)
Copyright (C) 2002-20, Bruce Allen, Christian Franke, www.smartmontools.org
```

=== START OF INFORMATION SECTION ===

```
Model Family:      Samsung based SSDs
Device Model:      Samsung SSD 860 EVO mSATA 1TB
Serial Number:     S41PNB0M200820X
LU WWN Device Id:  5 002538 e40c864e7
Firmware Version:  RVT42B6Q
User Capacity:     1,000,204,886,016 bytes [1.00 TB]
Sector Size:       512 bytes logical/physical
Rotation Rate:     Solid State Device
Form Factor:       mSATA
TRIM Command:      Available, deterministic, zeroed
Device is:         In smartctl database [for details use: -P show]
ATA Version is:    ACS-4 T13/BSR INCITS 529 revision 5
SATA Version is:   SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:     Mon Mar  6 20:21:48 2023 EST
SMART support is:  Available - device has SMART capability.
SMART support is:  Enabled
```

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

SMART overall-health self-assessment test result: PASSED

General SMART Values:

```
Offline data collection status:  (0x00) Offline data collection activity
                                   was never started.
                                   Auto Offline Data Collection: Disabled.
Self-test execution status:      (   0) The previous self-test routine completed
                                   without error or no self-test has ever
                                   been run.
Total time to complete Offline
data collection:                  (   0) seconds.
Offline data collection
capabilities:                      (0x53) SMART execute Offline immediate.
                                   Auto Offline data collection on/off support.
                                   Suspend Offline collection upon new
                                   command.
                                   No Offline surface scan supported.
                                   Self-test supported.
                                   No Conveyance Self-test supported.
                                   Selective Self-test supported.
SMART capabilities:              (0x0003) Saves SMART data before entering
                                   power-saving mode.
                                   Supports SMART auto save timer.
Error logging capability:        (0x01) Error logging supported.
                                   General Purpose Logging supported.
Short self-test routine
recommended polling time:        (   2) minutes.
Extended self-test routine
recommended polling time:        (   85) minutes.
SCT capabilities:                (0x003d) SCT Status supported.
                                   SCT Error Recovery Control supported.
                                   SCT Feature Control supported.
                                   SCT Data Table supported.
```

SMART Attributes Data Structure revision number: 1

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
5	Reallocated_Sector_Ct	0x0033	100	100	010	Pre-fail	Always	-	0
9	Power_On_Hours	0x0032	093	093	000	Old_age	Always	-	31483
12	Power_Cycle_Count	0x0032	013	013	000	Old_age	Always	-	87860
177	Wear_Leveling_Count	0x0013	089	089	000	Pre-fail	Always	-	164
179	Used_Rsvd_Blk_Cnt_Tot	0x0013	100	100	010	Pre-fail	Always	-	0
181	Program_Fail_Cnt_Total	0x0032	100	100	010	Old_age	Always	-	0
182	Erase_Fail_Count_Total	0x0032	100	100	010	Old_age	Always	-	0
183	Runtime_Bad_Block	0x0013	100	100	010	Pre-fail	Always	-	0
187	Uncorrectable_Error_Cnt	0x0032	100	100	000	Old_age	Always	-	0
190	Airflow_Temperature_Cel	0x0032	075	052	000	Old_age	Always	-	25
195	ECC_Error_Rate	0x001a	200	200	000	Old_age	Always	-	0
199	CRC_Error_Count	0x003e	100	100	000	Old_age	Always	-	0
235	POR_Recovery_Count	0x0012	099	099	000	Old_age	Always	-	19
241	Total_LBAs_Written	0x0032	099	099	000	Old_age	Always	-	247311186672

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1

Num	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Aborted by host	20%	31459	-
# 2	Extended offline	Completed without error	00%	31453	-
# 3	Extended offline	Completed without error	00%	31440	-
# 4	Extended offline	Completed without error	00%	31416	-
# 5	Extended offline	Completed without error	00%	31392	-
# 6	Extended offline	Completed without error	00%	31368	-
# 7	Extended offline	Completed without error	00%	31344	-
# 8	Extended offline	Completed without error	00%	31320	-
# 9	Extended offline	Completed without error	00%	31296	-
#10	Extended offline	Completed without error	00%	31272	-
#11	Extended offline	Completed without error	00%	31248	-
#12	Extended offline	Completed without error	00%	31224	-
#13	Extended offline	Completed without error	00%	31200	-
#14	Extended offline	Completed without error	00%	31176	-
#15	Extended offline	Completed without error	00%	31152	-
#16	Extended offline	Completed without error	00%	31128	-
#17	Extended offline	Completed without error	00%	31104	-
#18	Extended offline	Completed without error	00%	31080	-
#19	Extended offline	Completed without error	00%	31056	-
#20	Extended offline	Completed without error	00%	31032	-
#21	Extended offline	Completed without error	00%	31008	-

SMART Selective self-test log data structure revision number 1

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.