Disk Erasure Report

Page 1 - Erasure Status

Disk Model: APPLE HDD HTS541
Disk S/N: XXXXXXXXXXXXXXXXXXXX

Tag: DW-0001

Organisation Performing The Disk Erasure

Business Name: **iDoctor4U**

Business Address: **113 Walnut Tree Close, Guildford, GU1 4UQ**

Contact Name: **Aron Czapiewski** Contact Phone: **07850 730333**

Customer Details

Name: **Example Customer Ltd**

Address: **1 Sample Street, Exampleton, ZZ1 1ZZ**

Contact Name: **Jane Example** Contact Phone: **07700 900123**

Disk Information

Make/Model: **APPLE HDD HTS541** Serial: **XXXXXXXXXXXXXXXXXXXX**

Size(Apparent): **1000 GB, 1000204886016 bytes** Bus: **ATA**

Size(Real): **1000 GB,1000204886016b**

Disk Erasure Details

Start time: **2026/11/13 14:26:05** End time: **2026/11/13 20:50:33**

Duration: **06:24:28** Status: **ERASED**

Method: **Fill With Zeros** PRNG algorithm: **N/A to method**

Final Pass(Zeros/Ones/None): **None** Verify Pass(Last/All/None): **Last**

*Bytes Erased: **1000204886016, (100.00%)** Rounds(completed/requested): **1/1**

HPA/DCO: **No hidden sectors** HPA/DCO Size: **No hidden sectors**

Errors(pass/sync/verify/retries): **0/0/0/0** Throughput: **86 MB/sec**

Information:

*** bytes erased: The amount of drive that's been erased at least once**

Technician/Operator ID

Name/ID: **Aron Czapiewski**

Signature:

SAMPLE

Disk Erasure Report

Page 2 - Smart Data

Disk Model: APPLE HDD HTS541

Disk S/N: XXXXXXXXXXXXXXXXXXXX

Tag: DW-0001

```
smartctl 7.5 2025-04-30 r5714 [x86_64-linux-6.18.0] (local build)
copyright (c) 2002-25, bruce allen, christian franke, www.smartmontools.org

=== start of information section ===
device model:     APPLE HDD HTS541010A9E632
serial number:    XXXXXXXXXXXXXX
lu wwn device id: X XXXXXX XXXXXXXXX
firmware version: JA0AB5N0
user capacity:    1,000,204,886,016 bytes [1.00 TB]
sector sizes:     512 bytes logical, 4096 bytes physical
rotation rate:    5400 rpm
form factor:      2.5 inches
device is:        Not in smartctl database 7.5/5706
ata version is:   ATA8-ACS T13/1699-D revision 6
sata version is:  SATA 2.6, 3.0 Gb/s (current: 3.0 Gb/s)
local time is:    Mon Nov 16 08:33:27 2026 UTC
smart support is: Available - device has SMART capability.
smart support is: Enabled
aam feature is:   Unavailable
apm level is:     128 (minimum power consumption without standby)
rd look-ahead is: Enabled
write cache is:   Enabled
dsn feature is:   Unavailable
ata security is:  Disabled, frozen [SEC2]

=== 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: (   45) 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:  ( 214) minutes.
sct capabilities:        (0x003d)SCT Status supported.
sct error recovery control supported.
sct feature control supported.
sct data table supported.

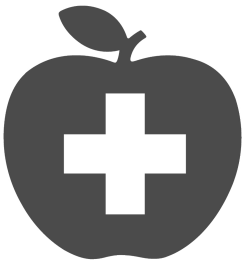
smart attributes data structure revision number: 16
vendor specific smart attributes with thresholds:
id# attribute_name          flags    value worst thresh fail raw_value
  1 raw_read_error_rate     po-r--   100   100   062    -    0
```

SAMPLE



Disk Erasure Report

Page 3 - Smart Data





Disk Model: APPLE HDD HTS541

Disk S/N: XXXXXXXXXXXXXXXXXXXX

Tag: DW-0001

```
  2 throughput_performance  p-s---   100   100   040    -    0
  3 spin_up_time            pos---   146   146   033    -    2
  4 start_stop_count        -o--c-   095   095   000    -    8698
  5 reallocated_sector_ct   po--ck   100   100   005    -    0
  7 seek_error_rate         po-r--   100   100   067    -    0
  8 seek_time_performance   p-s---   100   100   040    -    0
  9 power_on_hours          -o--c-   018   018   000    -    35970
 10 spin_retry_count        po--c-   100   100   060    -    0
 12 power_cycle_count       -o--ck   096   096   000    -    7455
160 unknown_attribute       -o--ck   100   100   000    -    0
191 g-sense_error_rate      -o-r--   100   100   000    -    0
192 power-off_retract_count -o--ck   100   100   000    -    8589934696
193 load_cycle_count        -o--c-   001   001   000    -    1093605
194 temperature_celsius     -o----   230   230   000    -    26 (min/max 6/49)
195 hardware_ecc_recovered  -o-r--   100   100   000    -    0
196 reallocated_event_count -o--ck   100   100   000    -    0
197 current_pending_sector  -o---k   100   100   000    -    0
198 offline_uncorrectable   ---r--   100   100   000    -    0
199 udma_crc_error_count    -o-r--   200   200   000    -    0
223 load_retry_count        -o-r--   100   100   000    -    0
254 free_fall_sensor        -o--ck   100   100   000    -    80
                            ||||||_ k auto-keep
                            |||||__ c event count
                            ||||___ r error rate
                            |||____ s speed/performance
                            ||_____ o updated online
                            |______ p prefailure warning

general purpose log directory version 1
smart           log directory version 1 [multi-sector log support]
address    access  r/w   size  description
0x00       gpl,sl  r/o      1  log directory
0x01           sl  r/o      1  summary smart error log
0x02           sl  r/o      1  comprehensive smart error log
0x03       gpl     r/o      1  ext. comprehensive smart error log
0x06           sl  r/o      1  smart self-test log
0x07       gpl     r/o      1  extended self-test log
0x09           sl  r/w      1  selective self-test log
0x10       gpl     r/o      1  ncq command error log
0x11       gpl     r/o      1  sata phy event counters log
0x80-0x9f  gpl,sl  r/w     16  host vendor specific log
0xe0       gpl,sl  r/w      1  sct command/status
0xe1       gpl,sl  r/w      1  sct data transfer

smart extended comprehensive error log version: 1 (1 sectors)
no errors logged

smart extended self-test log version: 1 (1 sectors)
num  test_description    status                  remaining  lifetime(hours)  lba_of_first_error
# 1  short offline       completed without error       00%     35960         -
# 2  short offline       completed without error       00%     35927         -

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.

sct status version:                3
```

SAMPLE

Disk Erasure Report

Page 4 - Smart Data

Disk Model: APPLE HDD HTS541

Disk S/N: XXXXXXXXXXXXXXXXXXXX

Tag: DW-0001

```
sct version (vendor specific):       256 (0x0100)
device state:                        Active (0)
current temperature:                    26 Celsius
power cycle min/max temperature:     26/45 Celsius
lifetime    min/max temperature:      6/49 Celsius
specified max operating temperature:    31 Celsius
under/over temperature limit count:   0/0

sct temperature history version:     2
temperature sampling period:         1 minute
temperature logging interval:        1 minute
min/max recommended temperature:      0/60 Celsius
min/max temperature limit:           -40/65 Celsius
temperature history size (index):    128 (102)

index    estimated time   temperature celsius
 103    2026-11-16 06:26    26  *******
 ...    ..(126 skipped).    ..  *******
 102    2026-11-16 08:33    26  *******

sct error recovery control:
           read: Disabled
          write: Disabled

device statistics (gp/smart log 0x04) not supported

pending defects log (gp log 0x0c) not supported

sata phy event counters (gp log 0x11)
id      size     value  description
0x0001  2            0  command failed due to icrc error
0x0002  2            0  r_err response for data fis
0x0003  2            0  r_err response for device-to-host data fis
0x0004  2            0  r_err response for host-to-device data fis
0x0005  2            0  r_err response for non-data fis
0x0006  2            0  r_err response for device-to-host non-data fis
0x0007  2            0  r_err response for host-to-device non-data fis
0x0009  2        65535+ transition from drive phyrdy to drive phynrdy
0x000a  2            2  device-to-host register fises sent due to a comreset
0x000b  2            0  crc errors within host-to-device fis
0x000d  2            0  non-crc errors within host-to-device fis
```

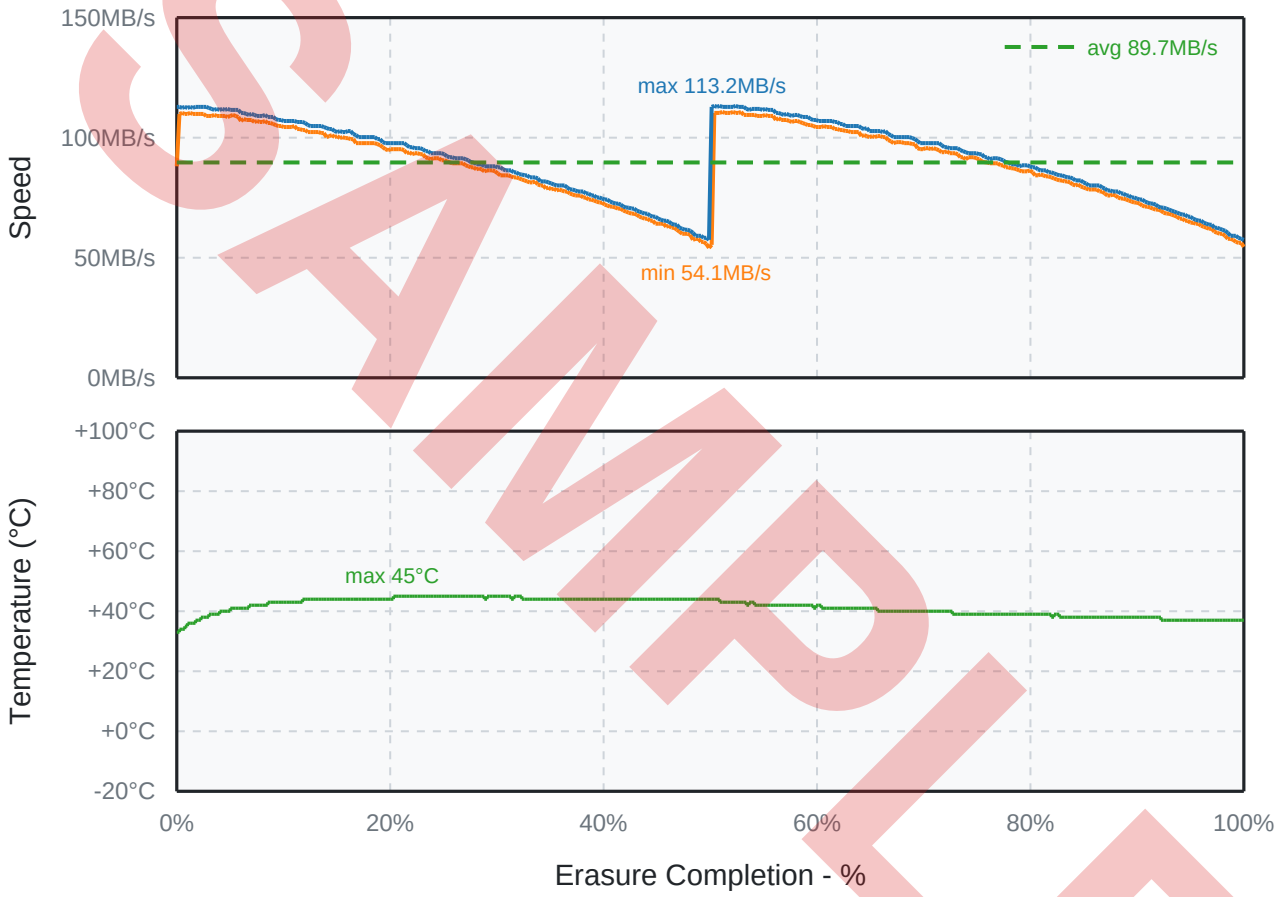
SAMPLE

Disk Erasure Report

Page 5 - Speed Profile

Disk Model: APPLE HDD HTS541
Disk S/N: XXXXXXXXXXXXXXXXXXXX

Tag: DW-0001



SAMPLE

Interpretation Guide:

Monitor the speed vectors closely for unusual anomalies or performance bottlenecks. Look for sharp, sudden downward spikes where operational speed differs substantially from typical baseline values. These spikes can indicate a drive slowing down over specific physical sectors, signaling potential disk failure. Such degradation may not trigger standard drive or I/O errors, meaning it won't always be obvious in SMART data. The SMART health status may even report the drive as 'Good' when,in fact, this graph highlights a localized failure on the platter surface.

Important Note:

If your system experiences CPU or controller bottlenecks when erasing multiple drives simultaneously, the recorded disk profile may not accurately reflect the drive's true performance. To isolate performance issues or verify an unexpected speed profile, run ShredOS/nwipe with only the target drive connected under optimal hardware conditions.

See https://github.com/martijnvanbrummelen/nwipe/discussions/775 for examples of speed profiles for both good and failing discs.