Multi-Report

Quick Start Guide

Version 3.20

10 September 2025

What is Multi-Report?

- Multi-Report was written a long time ago under a different name, with the purpose of augmenting FreeNAS 8.x (and beyond) for running SMART tests, and monitoring for drive failures as FreeNAS was not very good at it reliably.
- One major change has occurred in version 3.1, the S.M.A.R.T. testing has been removed from Multi-Report and moved into a companion script called “Drive_Selftest”. This makes maintaining the script easier and the Drive_Selftest script can run on its own for those people who just want to run the smart tests easily and not receive a report.
- SMART was designed with the intention to warn a user of pending Hard Drive doom within 0 to 24 hours of a failure. This is not fool proof, not a magic bullet. SMART is not perfect however if it does predict a failure and you are aware of it, you can fend off some danger. There are some failures that cannot be predicted and some failures happen very fast. All the data provided by this script will assist you moving forward once a failure or indication of a pending failure is identified.
- Additionally, I highly recommend running a SMART Short test once a day and running a SMART Long test once a week. If you have a lot of drives, only schedule a few drives a day (Monday), a few others (Wednesday), you get the point. **The new Drive_Selftest** can automate the scheduling of your SMART tests, example: Daily Short tests and Weekly or Monthly Long Tests, and it is very simple to setup.
- As you look at the chart data, note that the column titles should be self-explanatory.
- Pay attention to the CRON setup between CORE and SCALE, they are different.

Quick Setup Information

1

Place script on your server (location is for example only)

- Create a new dataset titled 'scripts'. Path: /mnt/pool/scripts
  - Make the dataset:
    - Name: scripts
    - Share Type/Dataset Preset: SMB
    - SCALE: Create SMB Share checkbox
    - Submit/Save
- You should now have access to the SMB share you created.
- Copy the script to the 'scripts' dataset, rename the script to "multi_report.sh".
- Make the script executable: "chmod +x multi_report.sh" (must be `root`)

2

First and Second Run

- As a privileged user (root), open a shell/SSH window and change directory 'cd' to cd/mnt/pool/scripts
- First Run: Enter ./multi_report.sh -config
  - Follow the instructions to create a new multi_report_config.txt (configuration file).
- Second Run: Enter ./multi_report.sh
  - The script should run without error.

3

Setting up the CRON JOB

- (CORE) -> Tasks -> Cron Jobs -> ADD
- (SCALE) -> System -> Advanced -> Cron Jobs -> ADD
- Description: multi_report
- Command (CORE): ./mnt/pool/scripts/multi_report.sh
- **Command (SCALE): cd/mnt/pool/scripts && ./multi_report.sh**
- Run As User: root (or any privileged account)
- Schedule: Custom
  - Preset: Daily
  - Minutes: 0, Hours: 2, Days: *
  - Select DONE
- Hide Standard Output: Unchecked
- Hide Standard Error: Unchecked
- Enabled: Checked
- Save

4

Notes:

- To customize Multi-Report run the script with the '-config' switch and select Advanced Configuration.
- If you run into a real problem, search the TrueNAS forums first, and if you cannot figure it out, use the '-dump email' switch to send me the required information I need to assist you. I will return an email to you once I have looked at it. I normally get back to people in less that 24 hours, keep in mind time zones, I'm in the USA, NY (ET).

Anatomy of the Multi-Report Email

WARNING SMART Testing Results for truenas *WARNING*

Subject Line with Summary (Warning, Caution, Script Update Available, or Custom)

F [redacted]

Reply | Reply All | Forward | ...

Tue 9/9/2025 2:15 AM

Multi-Report v3.20 dtd:2025-09-08 (TrueNAS SCALE - Fangtooth 25.04.2.3)
Report Run 09-Sep-2025 Tuesday @ 02:15:01
Total Memory: 19Gi, Used Memory: 10Gi, Free Memory: 5.5Gi
System Uptime: 5 days, 8:51:22
Script Execution Time: 12 Seconds

Version Info
Date/Time of Report
RAM/SWAP Specs
Uptime
Run Duration of the Script
Updates if available

Total Lifetime Data Values for all the drives in a pool.

***ZPool/ZFS Status Report Summary**

Pool Name	Status	Pool Size	Free Space	Used Space	Frag	Read Errors	Write Errors	Cksum Errors	Scrub Repaired Bytes	Scrub Errors	Last Scrub Age	Last Scrub Duration	Total Data Read / Total Data Written
boot-pool	ONLINE	28.06G	19.4G	8.66G (29%)	27%	0	0	0	0B	0	6	00:00:18	Virtual Drive
farm	ONLINE	8.69T	4.47T	4.22T (47%)	10%	0	0	0	0B	0	26	00:45:20	525.0 TB / 58.0 TB

*Data obtained from zpool and zfs commands.

Anatomy of the Multi-Report Email

SMR Checking
Yellow = Alarm Override

"0" = Compensated Value
"(2)" = Real Value, Yellow = Alarm Override
Purpose: To easily identify new alarms

30 Day Rolling Average, can be set to Calendar Month

Spinning Rust Summary Report

Device ID	Serial Number	Model Number	HDD Capacity	RPM	SMART Status	Curr Temp	Temp Min	Temp Max	Power On Time	Start Stop Count	Load Cycle Count	Spin Retry Count	Re-alloc Sects	Re-alloc Evnt	Curr Pend Sects	Offl Unc Sects	UDMA CRC Error	Raw Error Rate	Seek Error Rate	Multi Zone Error	He Level	Last Test Age	Last Test Type (time conducted)	Total Data Read / Written	30-Day Read / Written
/dev/sdd SMR	S2X1J90CA48799	ST500LM012 HN-M500MBB	500.00G	5400	PASSED	32*C	26*C	35*C	9110	368	31521	0	0	0	0	0	0(2)	0	0	0(31)	---	0	Short offline (9088 hrs)	3.1 GB / 3.4 GB	3.1 GB / 111 MB

Total Lifetime Data Read or Written to the drive

SSD Summary Report

Device ID	Serial Number	Model Number	SSD Capacity	SMART Status	Curr Temp	Temp Min	Temp Max	Power On Time	Wear Level	Re-alloc Sects	Re-alloc Evnt	Curr Pend Sects	Offl Unc Sects	UDMA CRC Error	Last Test Age	Last Test Type (time conducted)	Total Data Read / Written	30-Day Read / Written
/dev/sdc	P02618119268	PLEXTOR PX-256M7VC	256.00G	PASSED	47*C	---	---	3242	100	0	0	---	0	0(3)	0	Short offline (3220 hrs)	18.2 GB / 39.7 GB	18.2 GB / <1 MB
/dev/sde	S5B3NS0NB01328R	Samsung SSD 860 EVO 1TB	1.00T	PASSED	28*C	25*C	39*C	835	100	0	---	---	---	0(6007)	0	Short offline (813 hrs)	262.4 GB / 523.7 GB	262.4 GB / 141 MB

"---" means No Value is available for this drive

The power state of the NVMe when the script is near completion

NVMe Summary Report

Device ID	Serial Number	Model Number	NVMe Capacity	SMART Status	Critical Warning	Curr Temp	Power State	Power On Time	Wear Level	Media Errors	Last Test Age	Last Test Type (time conducted)	Total Data Read / Written	30-Day Read / Written
/dev/nvme0	511230818150000088	Nextorage SSD NEM-PA4TB	4.00T	PASSED	GOOD	32*C	PS-4 0.0440W	988	100	0	0	Short (988 hrs)	93.1 TB / 2.6 TB	93.1 TB / 2.5 GB
/dev/nvme1	511230818150000051	Nextorage SSD NEM-PA4TB	4.00T	PASSED	GOOD	32*C	PS-4 0.0440W	988	100	0	0	Short (988 hrs)	92.9 TB / 2.5 TB	92.9 TB / 3.6 GB
/dev/nvme2	511230818150000096	Nextorage SSD NEM-PA4TB	4.00T	PASSED	GOOD	32*C	PS-3 0.0620W	987	100	0	0	Short (987 hrs)	93.0 TB / 2.6 TB	93.0 TB / 3.6 GB
/dev/nvme3	511230818150000089	Nextorage SSD NEM-PA4TB	4.00T	PASSED	GOOD	33*C	PS-3 0.0620W	988	100	0	0	Short (987 hrs)	92.9 TB / 2.5 TB	92.9 TB / 2.5 GB

How many 24 hour periods (value is based on 24 hours) have past since last S.M.A.R.T. test

A Short S.M.A.R.T. Test Completed (987) Hours the test completed. If the last test was a Long test, that would be indicated here

Anatomy of the Multi-Report Email

Warranty Remaining

Warranty Exceeded (Yellow Background)

Total Lifetime Data Read or Written to the drive

Spinning Rust Summary Report

Device ID	Serial Number	Model Number	HDD Capacity	RPM	SMART Status	Warr-anty	Curr Temp	Temp Min	Temp Max	Power On Time	Start Stop Count	Load Cycle Count	Spin Retry Count	Re-alloc Sects	Re-alloc Evnt	Curr Pend Sects	Offl Unc Sects	UDMA CRC Error	Raw Error Rate	Seek Error Rate	Multi Zone Error	He Level	Last Test Age	Last Test Type (time conducted)	Lifetime Data Read / Written	30-Day Read / Written
/dev/ada0	ZR13JRL0	ST6000VN001-2BB186	6.00T	5425	PASSED	9m 29d	36°C	31°C	40°C	18608	141	863	0	0	---	0	0	0	0	0	---	---	0	90% Remaining (18608 hrs)	109.9 TB / 20.5 TB	959.3 GB (70%) / 289.7 GB (30%)
/dev/ada1	K1JRSWLD	HGST HDN726060ALE614	6.00T	7200	PASSED	4y 7m 28d	41°C	34°C	46°C	57757	327	4251	0	0	0	0	0	0	0	0	---	---	0	80% Remaining (57757 hrs)	313.6 TB / 69.2 TB	1.0 TB (76%) / 255.7 GB (24%)
/dev/ada2	K1JUMW4D	HGST HDN726060ALE614	6.00T	7200	PASSED	4y 7m 28d	44°C	35°C	46°C	57757	328	4220	0	0	0	0	0	0	0	0	---	---	0	90% Remaining (57756 hrs)	309.5 TB / 68.9 TB	1.0 TB (75%) / 258.2 GB (25%)
/dev/ada3	K1GVD84B	HGST HDN726060ALE614	6.00T	7200	PASSED	4y 7m 16d	38°C	33°C	43°C	57757	327	4272	0	0	0	0	0	0	0	0	---	---	0	80% Remaining (57757 hrs)	315.3 TB / 69.3 TB	1.0 TB (76%) / 262.8 GB (24%)

"---" means No Value Exists

(xx%) is the percentage of Writing to Reading for the given period of time

NVMe Summary Report

Device ID	Serial Number	Model Number	NVMe Capacity	SMART Status	Warr-anty	Critical Warning	Curr Temp	Power State	Power On Time	Wear Level	Media Errors	Last Test Age	Last Test Type (time conducted)	Lifetime Data Read / Written	30-Day Read / Written
/dev/nvme0	HBSE43211100274	HP SSD EX900 Plus 1TB	1.02T	PASSED	7m 4d	GOOD	35°C 37/35	PS-4 0.0090W	4291	99	0	0	Short self-test in progress 89% Remaining (4291 hrs)	5.7 TB / 2.5 TB	743.0 GB (100%) / 175 MB (0%)

Anatomy of the Multi-Report Email (Version 3.20 Changes)

SMART Enabled/Disabled Status and PASSED/FAILED results

User changeable fonts

Spinning Rust Summary Report

Device ID	Serial Number	Model Number	HDD Capacity	RPM	SMART Status	Curr Temp	Temp Min	Temp Max	Power On Time	Start Stop Count	Load Cycle Count	Spin Retry Count	Re-alloc Sects	Re-alloc Evnt	Curr Pend Sects	Offl Unc Sects	UDMA CRC Error	Raw Error Rate	Seek Error Rate	Multi Zone Error	He Level	Last Test Age	Last Test Type (time conducted)	Lifetime Data Read / Written	30-Day Read / Written
/dev/ada0 SMR	ZR13JRL0	ST6000VN001-2BB186	6.00T	5425	Enabled PASSED	39° C	31° C	44° C	21090	141	965	0	0	---	0	0	0	0	0	---	---	0	Short offline (21090 hrs)	121.4 TB / 24.6 TB	255 MB (0%) / 784.5 GB (100%)
/dev/ada1	K1JRSWLD	HGST HDN726060ALE614	6.00T	7200	Enabled PASSED	45° C	34° C	51° C	60239	327	4351	0	0	0	0	0	0	0	0	---	---	4	Short offline (60130 hrs)	323.5 TB / 73.1 TB	136 MB (0%) / 703.5 GB (100%)
/dev/ada2	K1JUMW4D	HGST HDN726060ALE614	6.00T	7200	Enabled PASSED	46° C	35° C	52° C	60239	328	4320	0	0	0	0	0	0	0	0	---	---	0	90% Remaining (60239 hrs)	317.2 TB / 72.9 TB	261 MB (0%) / 724.3 GB (100%)
/dev/ada3	K1GVD84B	HGST HDN726060ALE614	6.00T	7200	Disabled PASSED	41° C	33° C	46° C	60239	327	4381	0	0	0	0	0	0	0	0	---	---	0	Short offline (60239 hrs)	322.5 TB / 74.3 TB	97 MB (0%) / 598.3 GB (100%)

NVMe Reports Min/Max Temps since power on, if available

Added a little color

NVMe Summary Report

Device ID	Serial Number	Model Number	NVMe Capacity	SMART Status	Critical Warning	Curr Temp	Power State	Power On Time	Wear Level	Media Errors	Last Test Age	Last Test Type (time conducted)	Lifetime Data Read / Written	30-Day Read / Written
/dev/nvme0	HBSE43211100274	HP SSD EX900 Plus 1TB	1.02T	Enabled PASSED	GOOD	37° C 40/37	PS-4 0.0090W	4431	99	0	0	Short (4430 hrs)	6.1 TB / 2.8 TB	188.5 GB (100%) / 38 MB (0%)

Anatomy of the Multi-Report Email

Multi-Report Text Section

```
1) External Configuration File (Present) dtd:2025-09-01
2) Statistical Data Log (Present) @ (/mnt/farm2/scripts/statisticalsmartdata.csv)
3) Sendemail (Not Required)

Attachments:
1) TrueNAS Configuration File (Mon) - (Enabled)
2) Multi Report Configuration File (Mon) - (Enabled)
3) Statistical Log (Mon) - (Enabled)
4) HDD/SSD Partition Backup (Mon) - (Disabled)

Checks/Tests:
1) SMR Checking - (Enabled) - No Errors Detected
2) Partition Check - (Enabled) - No Errors Detected
3) Spencer - (Enabled) - No Errors
4) Seagate Drive FARM Check - (Enabled)
5) S.M.A.R.T Testing External File - (Disabled)
6) S.M.A.R.T. List of Drives where S.M.A.R.T. was disabled prior to running Multi-Report:
   Drives listed will be returned to original state at end of script:
     ada3 - Temporarily Enabled

WARNING LOG FILE
Drive: K1JRSWLD - Test Age = 4 Days


END
```

SMART Drive Status (New)

The Text Section contains: Configuration Information and Test Information

Update and Error Logs

Three logs can be displayed, Caution, Warning, and Update.

If you have an alarm on the Chart Section, look here for amplifying information.

Anatomy of the Multi-Report Email

```
Multi-Report Text Section

1) External Configuration File (Present) dtd:2025-04-07
2) Statistical Data Log (Present) @ (/mnt/farm2/scripts/statisticalsmartdata.csv)

Attachments:
1) TrueNAS Configuration File (Mon) - (Enabled)
2) Multi Report Configuration File (Mon) - (Enabled)
3) Statistical Log (Mon) - (Enabled)
4) HDD/SSD Partition Backup (Mon) - (Disabled)
5) Sendemail (Not Required)

Checks/Tests:
1) SMR Checking - (Enabled) - No Errors Detected
2) Partition Check - (Enabled) - No Errors Detected
3) Spencer - (Enabled) - No Errors
4) S.M.A.R.T. Testing External File (v1.05) - (Enabled)
   a) Short Test Authorized Test Days (Mon, Tue, Wed, Thu, Fri, Sat, Sun) (~1 Drive(s) per day)
      Drives Testing: (ada0 ada1 ada2 nvme0) - Test Mode 2
   b) Long Test Authorized Test Days (Mon, Tue, Wed, Thu, Fri, Sat, Sun) (~1 Drive(s) per day)
      Drives Testing: (ada3) - Test Mode 1
   c) A SCRUB or RESILVER is NOT in progress.
5) Seagate Drive FARM Check - (Enabled)

Drive K1JRSWLD Warranty Expired on 2020-09-30
Drive K1JUMW4D Warranty Expired on 2020-09-30
Drive K1GVD84B Warranty Expired on 2020-10-12


########## ZPool status report for farm1 ##########
  pool: farm1
 state: ONLINE
status: Some supported and requested features are not enabled on the pool.
        The pool can still be used, but some features are unavailable.
action: Enable all features using 'zpool upgrade'. Once this is done,
        the pool may no longer be accessible by software that does not support
        the features. See zpool-features(7) for details.
  scan: scrub repaired 0B in 00:36:12 with 0 errors on Sun May  4 00:36:12 2025
config:

        NAME                                            STATE     READ WRITE CKSUM
        farm1                                           ONLINE       0     0     0
          gptid/d01351ec-050a-11ef-beaf-000c296fd555    ONLINE       0     0     0

errors: No known data errors
```

List of attachments that will be included during a Monday (default) run.

Sendemail is used or not used.

If SMART Testing is enabled:
List of drives being Short and Long tested this run.

Also report if a SCRUB or Resilver operation is in progress as these operations by default will not allow a SMART Long test to be run.

Seagate Drive FARM Check
This may be disabled if you have already run the check and it will slightly speed up the script.

If Warranty is enabled and when the drives have expired, the drives will be listed with the expiration date.

The Chart section will display a countdown or count-up (yellow background) as well.

Anatomy of the Multi-Report Email

```
########## ZPool status report for farm ##########
  pool: farm
 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: scrub repaired 472K in 00:34:18 with 0 errors on Sat Jan 11 13:06:34 2025
config:

        NAME                                      STATE     READ WRITE CKSUM
        farm                                      DEGRADED     0     0     0
          raidz2-0                                DEGRADED     0     0     0
            f41cd7e4-df4c-4f0c-9c24-62a4343c1868  ONLINE       0     0     0
            21e5a651-701d-4150-82c6-446211a8f898  ONLINE       0     0     0
            f18e77b8-82cd-426c-b6e6-9bcc9778e511  FAULTED     15     0     0  too many errors
            cee96768-462c-437f-b35b-ab3abcd8fd0f  ONLINE       0     0     0
            d3549c3a-2f33-41b8-8fdb-4096c3fb5248  ONLINE       0     0     0

errors: No known data errors

Drives for this pool are listed below:
21e5a651-701d-4150-82c6-446211a8f898 -> nvme1n1p2 -> S/N:511230818150000096
cee96768-462c-437f-b35b-ab3abcd8fd0f -> nvme4n1p2 -> S/N:511230818150000088
d3549c3a-2f33-41b8-8fdb-4096c3fb5248 -> nvme2n1p2 -> S/N:511230818150000450
f18e77b8-82cd-426c-b6e6-9bcc9778e511 -> nvme3n1p2 -> S/N:511230818150000089  PROBLEM
f41cd7e4-df4c-4f0c-9c24-62a4343c1868 -> nvme0n1p2 -> S/N:511230818150000051
```

Zpool Status

Besides the standard zpool status data, this example tells you the drive is "Virtual", the gptid number, the Drive ID, and Drive Serial Number.

Use this cross reference data to locate the drive serial number and use the drive serial number when troubleshooting a drive problem.

All drives for pool called "farm" in this example identified by three things:
gptid -> Drive ID -> Drive Serial Number

This makes it significantly easier to identify which drive actually failed by serial number.

PROBLEM does not mean the drive has fail. It simply means that a problem is related to this physical drive. It could be a ZFS problem (as in this example) or a real hardware failure. Just do not jump to conclusions without looking at all the data.

Anatomy of the Multi-Report Email
New for Version 3.20

```
########## ZPool status report for farm2 ##########
  pool: farm2
 state: ONLINE
status: Some supported and requested features are not enabled on the pool.
        The pool can still be used, but some features are unavailable.
action: Enable all features using 'zpool upgrade'. Once this is done,
        the pool may no longer be accessible by software that does not support
        the features. See zpool-features(7) for details.
  scan: scrub repaired 0B in 07:43:01 with 0 errors on Fri Aug  8 02:30:29 2025
config:

        NAME                                            STATE     READ WRITE CKSUM
        farm2                                           ONLINE       0     0     0
          raidz2-0                                      ONLINE       0     0     0
            gptid/d0f8a4fe-bf79-11ed-a0df-000c296fd555  ONLINE       0     0     0
            gptid/6528d863-d52f-11e7-ab84-0cc47ab37c5a  ONLINE       0     0     0
            gptid/b595a038-3d9a-11f0-8e9f-000c296fd555  ONLINE       0     0     0
            gptid/66431f30-d52f-11e7-ab84-0cc47ab37c5a  ONLINE       0     0     0

errors: No known data errors

Drives for this pool are listed in order:
d0f8a4fe-bf79-11ed-a0df-000c296fd555 -> ada0 -> S/N:ZR13JRL0  -> Bay 1
6528d863-d52f-11e7-ab84-0cc47ab37c5a -> ada1 -> S/N:K1JRSWLD  -> Bay 2
b595a038-3d9a-11f0-8e9f-000c296fd555 -> ada3 -> S/N:K1GVD84B  -> Bay 4
66431f30-d52f-11e7-ab84-0cc47ab37c5a -> ada2 -> S/N:K1JUMW4D  -> Bay 3
```

Drive Location Data
(Great for locating your drive's physical location)

Anatomy of the Multi-Report Email

```
########## SMART status report for sdd drive (ST500LM012 HN-M500MBB : S2X1J90CA48799) ##########

SMART overall-health self-assessment test result: PASSED

ID# ATTRIBUTE_NAME          FLAG     VALUE WORST THRESH TYPE      UPDATED  WHEN_FAILED RAW_VALUE
  1 Raw_Read_Error_Rate     0x002f   100   100   051    Pre-fail  Always       -       0
  2 Throughput_Performance  0x0026   056   054   000    Old_age   Always       -       6116
  3 Spin_Up_Time            0x0023   091   091   025    Pre-fail  Always       -       2868
  4 Start_Stop_Count        0x0032   100   100   000    Old_age   Always       -       368
  5 Reallocated_Sector_Ct   0x0033   252   252   010    Pre-fail  Always       -       0
  7 Seek_Error_Rate         0x002e   252   252   051    Old_age   Always       -       0
  8 Seek_Time_Performance   0x0024   252   252   015    Old_age   Offline      -       0
  9 Power_On_Hours          0x0032   100   100   000    Old_age   Always       -       9110
 10 Spin_Retry_Count        0x0032   252   252   051    Old_age   Always       -       0
 11 Calibration_Retry_Count 0x0032   100   100   000    Old_age   Always       -       132
 12 Power_Cycle_Count       0x0032   100   100   000    Old_age   Always       -       361
 13 Read_Soft_Error_Rate    0x003a   100   100   000    Old_age   Always       -       0
181 Program_Fail_Cnt_Total  0x0022   096   096   000    Old_age   Always       -       91972053
191 G-Sense_Error_Rate      0x0022   100   100   000    Old_age   Always       -       9
192 Power-Off_Retract_Count 0x0022   252   252   000    Old_age   Always       -       0
193 Load_Cycle_Count        0x0032   097   097   000    Old_age   Always       -       31523
194 Temperature_Celsius     0x0002   064   059   000    Old_age   Always       -       32 (Min/Max 17/41)
195 Hardware_ECC_Recovered  0x003a   100   100   000    Old_age   Always       -       0
196 Reallocated_Event_Count 0x0032   252   252   000    Old_age   Always       -       0
197 Current_Pending_Sector  0x0032   252   252   000    Old_age   Always       -       0
198 Offline_Uncorrectable   0x0030   252   252   000    Old_age   Offline      -       0
199 UDMA_CRC_Error_Count    0x0036   100   100   000    Old_age   Always       -       2
200 Multi_Zone_Error_Rate   0x002a   100   100   000    Old_age   Always       -       31
240 Head_Flying_Hours       0x0032   100   100   000    Old_age   Always       -       7528
241 Total_LBAs_Written      0x0032   095   094   000    Old_age   Always       -       6812280
242 Total_LBAs_Read         0x0032   096   094   000    Old_age   Always       -       6144661
254 Free_Fall_Sensor        0x0032   252   252   000    Old_age   Always       -       0

No Errors Logged

Most recent Short & Extended Tests - Listed by test number
# 1 Short offline Completed without error 00% 9088 -
# 4 Extended offline Interrupted (host reset) 70% 9075 -


SCT Error Recovery Control:  Read: Disabled Write: Disabled
```

Header to identify the report is for Drive ID 'sdd' and lists the Model Number and Serial Number

Seagate ID1 and ID7 will read the true error rates, no more number conversion.
(New Ver 3.20)

The OUTPUT of "smartctl –a"

Why did I include this in the report you ask?
Because it is the information at the time of the report. Data can and will change so we grab it here should there be a problem to examine.

The Last SMART Short and Long Tests with the results.

TLDR Can also be set by the script, the default is 70 (7.0 seconds) when enabled. It is Disabled in this example.

Closing Notes

Always backup your important data
Always use an Uninterruptable Power Supply (UPS)
Read the User Guide

If something is not running correctly, **please ensure your CRON Job setup is like the example in the Quick Setup Information.** Having the wrong command can absolutely cause problems. If you are smarter than me, share your wisdom, I will accept it openly. Having the "Hide Standard Output" unchecked provides additional data when the script is run. If you filter your emails and place these into a separate folder, it will keep your email looking clean and consolidated.

This Quick Start Guide is not an "all inclusive" resource. I will not cover every possible problem a drive could indicate, that is not the purpose of the guide. If you have something happen and it is not covered here, try to use Google to find out more, or ask someone. It can be much faster for you if you Google it.

If you find something wrong with the script or these instructions, please reach out to joeschmuck2023@hotmail.com with the issue, or run the script using the '-dump email' switch to send me data to analyze and include a little message as well. Believe it or not, I appreciate the feedback, good or not so good.

And if you have a recommendation on what the default values should be within the multi_report_config.txt file, please reach out to me. If the change makes sense, I will implement it.