

smartctl version 5.38 [i686-pc-linux-gnu] Copyright (C) 2002-8 Bruce Allen

Home page is <http://smartmontools.sourceforge.net/>

=== START OF INFORMATION SECTION ===

Model Family: Seagate Barracuda 7200.10 family

Device Model: ST3320820AS

Serial Number: 5QF4ERQJ

Firmware Version: 3.AAC

User Capacity: 320.072.933.376 bytes

Device is: In smartctl database [for details use: -P show]

ATA Version is: 7

ATA Standard is: Exact ATA specification draft version not indicated

Local Time is: Sun Nov 22 12:00:57 2009 CET

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: (0x82) Offline data collection activity
was completed without error.
Auto Offline Data Collection: Enabled.
Self-test execution status: (245) Self-test routine in progress..
50% of test remaining.

Total time to complete Offline
data collection: (430) 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: (1) minutes.

Extended self-test routine
recommended polling time: (115) minutes.

recommended polling time: (115) minutes.

SMART Attributes Data Structure revision number: 10

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000f	095	087	006	Pre-fail Always	-	65919554	
3	Spin_Up_Time	0x0003	096	095	000	Pre-fail Always	-	0	
4	Start_Stop_Count	0x0032	100	100	020	Old_age Always	-	514	
5	Reallocated_Sector_Ct	0x0033	100	100	036	Pre-fail Always	-	0	
7	Seek_Error_Rate	0x000f	086	060	030	Pre-fail Always	-	440113685	
9	Power_On_Hours	0x0032	088	088	000	Old_age Always	-	11193	
10	Spin_Retry_Count	0x0013	100	100	097	Pre-fail Always	-	0	
12	Power_Cycle_Count	0x0032	100	100	020	Old_age Always	-	367	
187	Reported_Uncorrect	0x0032	100	100	000	Old_age Always	-	0	
189	High_Fly_Writes	0x003a	100	100	000	Old_age Always	-	0	
190	Airflow_Temperature_Cel	0x0022	058	052	045	Old_age Always	-	42 (Lifetime Min/Max 21/42)	
194	Temperature_Celsius	0x0022	042	048	000	Old_age Always	-	42 (0 16 0 0)	
195	Hardware_ECC_Recovered	0x001a	059	051	000	Old_age Always	-	915767	
197	Current_Pending_Sector	0x0012	100	100	000	Old_age Always	-	0	
198	Offline_Uncorrectable	0x0010	100	100	000	Old_age Offline	-	0	
199	UDMA_CRC_Error_Count	0x003e	200	200	000	Old_age Always	-	1	
200	Multi_Zone_Error_Rate	0x0000	100	253	000	Old_age Offline	-	0	
202	TA_Increase_Count	0x0032	100	253	000	Old_age Always	-	0	

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

Nr	Test_Description	Status	Remaining	LifeTime(hours)	LBA_of_first_error
# 1	Extended offline	Completed without error	00%	11192	-
# 2	Extended offline	Self-test routine in progress	50%	11193	-

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.

OK

TestDisk 6.9, Data Recovery Utility, February 2008
Christophe GRENIER <grenier@cgsecurity.org>
<http://www.cgsecurity.org>

Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63

Partition	Start	End	Size in sectors
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No partition found or selected for recovery

[Quit]

Return to main menu

Sun Nov 22 12:06:36 2009

Command line: TestDisk

TestDisk 6.9, Data Recovery Utility, February 2008

Christophe GRENIER <grenier@cgsecurity.org>

<http://www.cgsecurity.org>

Linux version (ext2fs lib: 1.40.11, ntfs lib: 10:0:0, reiserfs lib: none, ewf lib: none)

Hard disk list

Disk /dev/sda - 320 GB / 298 GiB - CHS 38913 255 63, sector size=512 - ATA ST3320820AS

Disk /dev/sdb - 320 GB / 298 GiB - CHS 38913 255 63, sector size=512 - ATA ST3320820AS

Disk /dev/sda - 320 GB / 298 GiB - ATA ST3320820AS

Partition table type: Intel

Analyse Disk /dev/sda - 320 GB / 298 GiB - CHS 38913 255 63

Geometry from i386 MBR: head=255 sector=63

check_part_i386 failed for partition type 07

BAD_RS LBA=1048626810 16434494

check_FAT: can't read FAT boot sector

check_part_i386 failed for partition type 0C

get_geometry_from_list_part_aux head=255 nbr=2

get_geometry_from_list_part_aux head=255 nbr=2

Current partition structure:

Invalid NTFS boot

2 *	HPFS - NTFS	0	1	2	49505	254	63	795313826
2 *	HPFS - NTFS	0	1	2	49505	254	63	795313826

Bad sector count.

check_FAT: can't read FAT boot sector

Invalid FAT boot sector

3 P	FAT32 LBA	65274	0	1	77825	254	63	201647880
3 P	FAT32 LBA	65274	0	1	77825	254	63	201647880

Bad relative sector.

Ask the user for vista mode

Computes LBA from CHS for Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63

Allow partial last cylinder : Yes

search_vista_part: 1

search_part()

Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63

NTFS at 0/1/1

filesystem size 795313825

sectors_per_cluster 8

mft_lcn 786680

mftmirr_lcn 264

clusters_per_mft_record -10

clusters_per_index_record 1

D HPFS - NTFS 0 1 1 49505 254 61 795313825

NTFS, 407 GB / 379 GiB

This partition ends after the disk limits. (start=63, size=795313825, end=795313887, disk end=625153410)

FAT32 at 37605/78/42

FAT1 : 32-10283

FAT2 : 10284-20535

2009-11-22

testdisk.log

2

start_rootdir : 20536 root cluster : 2
Data : 20536-42012663
sectors : 42012664
cluster_size : 32
no_of_cluster : 1312254 (2 - 1312255)
fat_length 10252 calculated 10252
FAT differs, FAT sectors=0-8/10252

FAT32 at 37605/78/42

set_FAT_info: name from BS used

D FAT32 LBA 37605 78 42 40220 121 21 42012664 [NO NAME]

FAT32, 21 GB / 20 GiB

This partition ends after the disk limits. (start=604129280, size=42012664, end=646141943, disk end=625153410)

Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63

Check the harddisk size: HD jumpers settings, BIOS detection...

The harddisk (320 GB / 298 GiB) seems too small! (< 407 GB / 379 GiB)

The following partitions can't be recovered:

D HPFS - NTFS 0 1 1 49505 254 61 795313825

NTFS, 407 GB / 379 GiB

D FAT32 LBA 37605 78 42 40220 121 21 42012664 [NO NAME]

FAT32, 21 GB / 20 GiB

Results

interface_write()

No partition found or selected for recovery

search_part()

Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63

NTFS at 0/1/1

filesystem size 795313825

sectors_per_cluster 8

mft_lcn 786680

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FAT1 : 32-10283

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start_rootdir : 20536 root cluster : 2

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sectors : 42012664

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FAT32 at 37605/78/42

set_FAT_info: name from BS used

D FAT32 LBA 37605 78 42 40220 121 21 42012664 [NO NAME]

FAT32, 21 GB / 20 GiB

This partition ends after the disk limits. (start=604129280, size=42012664,

file:///home/cb/testdisk.log

```
end=646141943, disk end=625153410)
FAT32 at 37605/78/48
FAT1 : 32-10283
FAT2 : 10284-20535
start_rootdir : 20536 root cluster : 2
Data : 20536-42012663
sectors : 42012664
cluster_size : 32
no_of_cluster : 1312254 (2 - 1312255)
fat_length 10252 calculated 10252
FAT differs, FAT sectors=0-8/10252

FAT32 at 37605/78/48
set FAT info: name from BS used
  D FAT32 LBA          37605  78 42 40220 121 21   42012664 [NO NAME]
  FAT found using backup sector!, 21 GB / 20 GiB
This partition ends after the disk limits. (start=604129280, size=42012664,
end=646141943, disk end=625153410)
Disk /dev/sda - 320 GB / 298 GiB - CHS 38914 255 63
Check the harddisk size: HD jumpers settings, BIOS detection...
The harddisk (320 GB / 298 GiB) seems too small! (< 407 GB / 379 GiB)
The following partitions can't be recovered:
  D HPFS - NTFS          0    1  1 49505 254 61   795313825
  NTFS, 407 GB / 379 GiB
  D FAT32 LBA          37605  78 42 40220 121 21   42012664 [NO NAME]
  FAT32, 21 GB / 20 GiB
```

Results

```
interface_write()
```

```
No partition found or selected for recovery
```

Partition Image 0.6.7		
* Partition sichern/rücksichern		
sda2	-unknown-	379.24 GiB
sda3	-unknown-	96.15 GiB
* Imagedatei erstellen/benutzen		
Aufgabe durchführen		
(*) Partition in eine neue Datei sichern		<Weiter (F5)>
() Partition aus einer Datei rücksichern		<Über>
() MBR aus einer Datei rücksichern		<Abbruch (F6)>
<input type="checkbox"/> Verbindung zu Server		
IP/Name des Servers:		Port: 4025
<input checked="" type="checkbox"/> Verschlüsseln der Netzwerkdaten mittels SSL		