

	NIJ
Special	REPORT
Test Results for Disk Imaging Tools: SafeBack 2.18	

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Director

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Contents

Int	roduc	tion	4
1.	Resu	lts Summary by Requirements	5
2.	Anoi	malies	6
	2.1	Sectors Missed in Legacy BIOS Access	7
	2.2	Backfill Not as Expected	8
	2.3	Cylinder Alignment Anomaly	8
	2.4	Sector Change in FAT32 Operation	10
3.	Test	Case Selection	11
4.	Test	Results by Assertion	13
	4.1	Mandatory Assertions	13
	4.2	Optional Assertions	24
5.	Testi	ing Environment	27
	5.1	Extended BIOS Host Computers	27
	5.2	Legacy BIOS Host Computers	28
	5.3	Special SCSI System	
	5.4	Fast SHA-1 for Nexar Tests	28
	5.5	Hard Disk Drives	28
	5.6	Test Configurations	30
	5.7	Support Software	31
	5.8	Basic Structure of Test Cases	31
6.	Test	Results Summary Key	32
7.	Inter	pretation of Test Results	33
	7.1	Source Disk	
	7.2	Number of Sectors Copied	33
	7.3	Small Destination Detection	34
	7.4	Excess Sectors	34
	7.5	Changes to an Image File	34
	7.6	I/O Errors	
8.	Test	Results Summaries	34

Introduction

The Computer Forensics Tool Testing (CFTT) project is the joint effort of the National Institute of Justice, the National Institute of Standards and Technology (NIST), the U.S. Department of Defense, the Technical Support Working Group, and other related agencies. The objective of the CFTT project is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

The test results provide the information necessary for developers to improve tools, users to make informed choices, and the legal community and others to understand the tools' capabilities. The use of well-recognized methodologies for conformance and quality testing serves as the foundation of our approach for testing computer forensics tools. Plus, in an effort to further develop the specifications and test methods, we encourage the entire forensics community to visit the CFTT Web site (http://www.cftt.nist.gov), where drafts are accessible for both commentary and review.

This document reports the results from testing SafeBack 2.18, one commonly used disk imaging tool, against *Disk Imaging Tool Specification, Version 3.1.6*, developed by CFTT staff and available at http://www.cftt.nist.gov/DI-spec-3-1-6.doc. This specification identifies the top-level disk imaging tool requirements as—

- The tool shall make a bit-stream duplicate or an image of an original disk or partition.
- The tool shall not alter the original disk.
- The tool shall log I/O errors.
- The tool's documentation shall be correct.

Note: The test methodology is for software tools that copy or image hard disk drives. It does not cover analog media or digital media such as cell phones or personal digital assistants (PDAs).

June 2003 4 of 218 SafeBack 2.18

Test Results for Disk Imaging Tools: SafeBack 2.18

Tool Tested: SafeBack

Version: 2.18 (February 13, 2001)

Operating System: PC-DOS 6.3 and Windows 98 DOS (Version 4.10.2222)

Supplier: New Technologies, Inc. (SafeBack formerly owned by Sydex, Inc.)

Address: 2075 NE Division Street

Gresham, OR 97030

Phone: 503–661–6912

Web: http://www.forensics-intl.com

1. Results Summary by Requirements

The tool shall make a bit-stream duplicate or an image of an original disk or partition. SafeBack, with two exceptions, copied all the disk sectors correctly and completely in the test cases that were run. The exceptions were the following:

- 1. For a certain partition type (FAT32), two file system control values (not part of any data file) are adjusted as a side effect of the copy. This adjustment is confined to 8 bytes of sector 1 of the partition and had no effect on any sectors used in data files.
- 2. If the basic input/output system (BIOS) interface is chosen to access integrated drive electronics (IDE) hard drives on an older computer using a legacy BIOS that underreports the number of cylinders on the drive, then some but not all sectors will be accessed in an area of the disk that is not used by either commercial software or Microsoft operating systems. If direct access using the advanced technology attachment (ATA) interface is chosen instead, SafeBack accesses every sector of the hard drive.

The tool shall not alter the original disk.

For all the test cases that were run, SafeBack never altered the original hard drive.

The tool shall be able to verify the integrity of a disk image file.

For all of the test cases that were run, SafeBack always identified image files that had been modified.

The tool shall log I/O errors.

For all of the test cases that were run, SafeBack always logged I/O errors.

The tool's documentation shall be correct.

The tool documentation available was the *SafeBack Reference Manual, Version 2.0*, Second Edition, October 2001. There was no documentation identified for Version 2.18. In some cases, the software behavior was not documented or was ambiguous.

June 2003 5 of 218 SafeBack 2.18

2. Anomalies

This section describes four anomalies found during the testing of SafeBack 2.18 against the disk imaging requirements described in *Disk Imaging Tool Specification*, *Version 3.1.6*. The behavior observed in these anomalies should not be interpreted as necessarily representing unacceptable behavior for an imaging tool. Some of the anomalies may only need more detailed documentation by the tool vendor. However, the tool user must be aware of these behaviors since they may affect the quality and completeness of a forensic investigation.

The following anomalies were found:

- 1. **BIOS** anomaly. For IDE hard drives on computers with a legacy BIOS, if the legacy BIOS underreports the number of cylinders on the drive and the BIOS is used to access the drive, then there may be a small area of sectors at the end of the drive that are not accessed. The sectors in this area are not used by most commercial software.
- 2. **Backfill anomaly.** The zero backfill option did not always function as documented.
- 3. **Cylinder alignment anomaly.** The results of using the *cylinder alignment* option are not completely documented. For example, the last sector of a FAT partition is relocated unexpectedly on the destination.
- 4. **FAT32 anomaly.** Two fields of file system control information from the source are changed on the destination.

The scope of each anomaly is indicated in Table 2-1. An anomaly can manifest either in an image file, a restored copy, or both. A restored copy means a copy of the original drive produced by either the SafeBack **restore** or **copy** operations.

Table 2-1. Scope of Anomalies

Anomaly	Scope			
BIOS	Image and restored copy.			
Backfill	Restored copy.			
Cylinder	Restored copy.			
Alignment				
FAT32	Restored copy. Presence of the anomaly in an image file was not investigated.			

Note that the BIOS anomaly was observed only if a hard drive was accessed through the BIOS on a computer that had a BIOS that does not support the extensions defined in *ANSI INCITS 347-2001 BIOS Enhanced Disk Drive Services*. The BIOS anomaly was not observed if a computer with the BIOS extensions was used or if a computer with a legacy BIOS was used with **direct access** selected instead of **BIOS access**. The FAT32 anomaly only occurs if a FAT32 partition is restored; if an entire disk containing a FAT32 partition is imaged and restored, no anomaly occurs.

June 2003 6 of 218 SafeBack 2.18

2.1 Sectors Missed in Legacy BIOS Access

A legacy BIOS is defined as a BIOS that does not implement the extensions to interrupt 13h BIOS services described in the standard *ANSI INCITS 347-2001 BIOS Enhanced Disk Drive Services*. This standard was developed by T13, a Technical Committee for the InterNational Committee on Information Technology Standards (INCITS), under *Project 1386D*, *BIOS Enhanced Disk Drive Services*. INCITS is accredited by and operates under rules approved by the American National Standards Institute (ANSI). Further information is available at http://www.t13.org.

An extended BIOS (referred to as XBIOS) is defined as a BIOS that implements the extensions to interrupt 13h BIOS services described in *ANSI INCITS 347-2001 BIOS Enhanced Disk Drive Services*.

SafeBack does not access (i.e., read or write) all usable sectors on the hard drive if the legacy BIOS underreports the size of the hard drive and SafeBack uses BIOS access rather than direct access by the ATA interface. If this anomaly occurs while reading a source drive, the SafeBack image file will be missing a small number of sectors from the end of the hard drive. If this anomaly occurs during *zero backfilling* of the destination drive, the backfilling is not done for a small number of sectors at the end of the hard drive. When the anomaly occurs during the restore of an image, then part of the image at the end of the destination hard drive might not be restored. These sectors at the end of a hard drive are not normally used on a system with a legacy BIOS for any purpose by Microsoft operating systems or by typical application programs. These sectors are accessible only by special tools from a Microsoft operating system. However, these sectors could be used by other operating systems such as Linux or FreeBSD UNIX.

A physical hard drive may have a different physical geometry from the logical geometry presented by the BIOS. This is because the legacy BIOS interface can only present a hard drive with less than 1,024 cylinders. If a hard drive is being accessed by the BIOS and the physical drive contains more than 1,024 cylinders, then the BIOS presents an adjusted (logical) drive geometry with fewer than 1,024 cylinders by increasing the heads per cylinder value and decreasing the number of cylinders value. In a DOS environment, a drive is usually accessed through the BIOS, but software can directly access the physical drive if the necessary device driver is available. For example, the Quantum Sirocco model 1700A has the direct physical and BIOS access parameters presented in Table 2-2.

Table 2-2. Example of Direct ATA versus BIOS Hard Drive Geometry

Access	Cylinders	Heads	Sectors per Head	Sectors per Cylinder	Total Sectors
Direct	3,309	16	63	1,008	3,335,472
BIOS	826	64	63	4,032	3,330,432

June 2003 7 of 218 SafeBack 2.18

Note that 5,040 more sectors (3,335,472 minus 3,330,432) can be accessed through direct ATA than are reported by the legacy BIOS. SafeBack copies one extra logical cylinder (4,032 sectors as reported by the BIOS) but misses the last physical cylinder of 1,008 sectors. For example, in test case DI-007, the last 1,008 sectors of the source are not copied to the destination, and in test case DI-063, the last 1,008 sectors of the destination are not zero backfilled.

Test cases: DI-001, DI-005, DI-006, DI-007, DI-062, DI-063, DI-064, DI-066, and DI-069.

2.2 Backfill Not as Expected

The zero backfill menu option was sometimes ignored. The SafeBack Reference Manual, Version 2.0 (in an addendum dated November 1999) states that the zero backfill menu option "When enabled . . .[SafeBack writes] binary 00 to unused space." However, for all executed test cases, disk copy and restore operations to a larger destination were backfilled even when the zero backfill menu option was set to no. Additional investigation suggested that the trigger for the anomaly might be the setting of the adjust partitions option. If the menu option is set to no and the zero backfill menu option is also set to no, zero backfill was done anyway. However, if the adjust partitions option was set to auto, zero backfill was not done. Disk operations requesting zero backfill were zero backfilled correctly.

For partition operations the addendum states: "[for partition operations the] menu selection will have no effect on the backfilling performed between partitions, which is always enabled." In other words, the zero backfill should always be done to the end of a partition regardless of the menu selection. The menu option refers only to the space between the end of the last partition and the end of the physical disk (i.e., for disk operations only). However, there was no zero backfilling of partition operations.

Test cases: DI-001, DI-009, DI-010, DI-018, DI-024, DI-025, DI-031, DI-044, DI-050, DI-056, DI-059, DI-062, DI-063, DI-071, DI-072, DI-091, DI-092, DI-100, DI-101, DI-120, DI-121, DI-129, DI-130, DI-149, DI-150, DI-154, DI-155, DI-159, DI-160, DI-162, and DI-163.

2.3 Cylinder Alignment Anomaly

If SafeBack is used to copy a physical hard drive to another physical hard drive of a different geometry, then it can optionally reposition partitions to disk cylinder boundaries. The method of cylinder alignment described in the SafeBack documentation is to add sectors to the end of each partition as it is copied to the destination, so that each destination partition uses all the sectors of the last cylinder of the partition. However, in some test cases, SafeBack copied all but the last sector to the destination partition, filled it with zeros, and then copied the last sector to the last sector on the destination partition. All data were copied to the destination but not necessarily where an investigator might expect to find it. The boot tracks were modified to reflect the relocation and resizing of the partitions.

June 2003 8 of 218 SafeBack 2.18

Consider test case DI-003. The source disk has 6 partitions, 2 FAT16, 1 hidden FAT16, 2 Linux, and 1 Linux swap. The disk comparison operation divides the disk into contiguous blocks of sectors based on the disk partition table. These blocks (called regions) are categorized as either boot tracks, partitions, or unallocated space. Each disk sector is located in one region. Each region can then be compared. For more detail about the comparison of disks with cylinder adjustment see *FS-TST: Forensic Software Testing Support Tools* at http://www.cftt.nist.gov.

For test case DI-003, there are 4 boot tracks, 6 partitions, and 5 unallocated regions for a total of 15 regions. Table 2-3 is the comparison summary from the comparison log file for test case DI-003.

Table 2-3. Test Case DI-003 Comparison Summary

Boot tracks 4	252	diffs	4	
Partitions 6	2,241,540	diffs	9	
Unallocated 5	1,093,680	diffs	1,009	
Total src sectors	3,335,472			
Partition excess	76,671	zero	74,189 non-zero	2,482
Disk excess	9,260,307	zero	10,363 non-zero	9,249,944
Total dst sectors	12,672,450			

The first three rows summarize the comparison of source to destination sectors. The format of the first three rows is a category name, the number of regions in the category, total number of sectors in the category, the word *diffs*, and the number of sectors that are different between the source and the destination. For example, there are 4 boot tracks and each boot track has 63 sectors, for a total of 252 sectors allocated to boot tracks. There are 4 boot track sectors that have differences between the source sector and the destination sector.

The fourth line gives the total number of sectors on the source drive.

The next two lines summarize the destination sectors that do not correspond to any source sectors. The first category describes sectors added to destination partitions to fill out a partition to a cylinder boundary. The second category describes the excess sectors at the end of the disk. The three values represent the total number of sectors in the category, the number of sectors zero backfilled, and the number of sectors with some non-zero content.

The last line indicates the total number of sectors on the destination hard drive.

Each of the four boot tracks has had one sector modified to reflect the relocation and resizing of partitions. Also sector 0 of each partition is modified for the same reason. These modifications are as expected. However, three additional sectors in the partition category are reported to differ from the original source. In each of the three partitions with the additional sector reported to differ from the source, the last sector of the source is present on the destination but at an unexpected location separate from the other sectors copied to the destination. Consider the details for region 1 of test case DI-003. Region 1 is a FAT16 source partition with 1,229,697 sectors being copied to a destination partition with 7,245 excess sectors (for a total of 1,236,942 sectors). The last sector from the source is not copied to the corresponding destination location

June 2003 9 of 218 SafeBack 2.18

but is copied to the last excess sector of the destination (i.e., sector 1,237,004)¹ rather than to the expected location of 1,229,696. The sector relocation is not apparent from the summary table but can be verified by an examination of the log file details.

The sectors of the five unallocated regions were copied completely with two exceptions. The BIOS anomaly accounts for 1,008 sectors not being copied. This leaves region 10 as the one remaining sector. This region is a hidden FAT16 partition, and the last sector of the source is relocated to the last excess sector.

From the results and SafeBack documentation, it is unclear what the zero backfill results should be.

In summary, the cylinder alignment operation exhibits the following behaviors:

- 1. Partition table adjustments are as expected.
- 2. Except for the legacy BIOS anomaly, all source sectors not requiring partition table adjustments are copied accurately to the destination.
- 3. The last sector of a FAT source partition is relocated to the last sector of the excess destination sectors added for partition alignment. This occurs even when the partition is hidden.
- 4. The zero backfill results are unclear.

Test cases: DI-003, DI-004, DI-046, and DI-047.

2.4 Sector Change in FAT32 Operation

In FAT32 partition operations, sector 1 of the destination differs in 4 to 8 bytes beginning at offset 488 of sector 1 of the source. This sector, the **FSInfo** sector, contains control information for the FAT32 file system. It appears that SafeBack sets the **FSI_Free_Count** field to 0xFFFFFFF. This value indicates that the free cluster count is unknown and the actual value should be computed. Also, the **FSI_Nxt_Free** field is adjusted.

Table 2-4 is extracted from page 21 of *Microsoft Extensible Firmware Initiative FAT32 File System Specification FAT: General Overview of On-Disk Format* (see footnote 2).

June 2003 10 of 218 SafeBack 2.18

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¹ Note that there is a 63 sector offset that needs to be applied to 1,236,942 to get 1,237,004. Also, note that sector addresses start at zero.

² This sector is documented in *Microsoft Extensible Firmware Initiative FAT32 File System Specification FAT: General Overview of On-Disk Format.* This document can be found on the Microsoft Web site at *http://www.microsoft.com/hwdev/download/hardware/FATGEN103.doc.*

Table 2-4. FAT32 FSInfo Sector Control Fields Modified by SafeBack

Name	Offset	Size	Description
	(byte)	(bytes)	
FSI_Free_Count	488	4	Contains the last known free cluster count on the volume. If the value is 0xFFFFFFFFF, then the free count is unknown and must be computed. Any other value can be used, but is not necessarily correct. It should be range checked at least to make sure it is <= volume cluster count.
FSI_Nxt_Free	492	4	This is a hint for the FAT driver. It indicates the cluster number at which the driver should start looking for free clusters. Because a FAT32 FAT is large, it can be rather time consuming if there are a lot of allocated clusters at the start of the FAT and the driver starts looking for a free cluster starting at cluster 2. Typically this value is set to the last cluster number that the driver allocated. If the value is 0xFFFFFFFF, then there is no hint and the driver should start looking at cluster 2. Any other value can be used, but should be checked first to make sure it is a valid cluster number for the volume.

Test cases: DI-015, DI-017, DI-025, DI-027, DI-030, DI-041, DI-072, DI-081, DI-083, DI-089, DI-101, DI-108, DI-118, DI-130, DI-138, DI-139, DI-141, DI-145, and DI-147.

3. Test Case Selection

Not all of the 168 test cases specified in *Disk Imaging Tool Specification*, *Version 3.1.6* apply to SafeBack. Of the 168 test cases specified, 112 cases were applied to SafeBack, and 56 cases were not run.

The primary criterion for selecting a test case is that there must be a tool feature covered by the objective of the test case as defined by the test case summary from *Disk Imaging Tool*Specification, Version 3.1.6. For example, test case DI-001 calls for the following setup: Copy a BIOS-IDE source disk to a BIOS-IDE destination disk where the source disk is smaller than the destination. Since every parameter specified in the setup can be applied to SafeBack, test case DI-001 is used. However, test case DI-013—logical copy of a Linux (i.e., ext2 or ext3) partition—is not used because SafeBack does not allow selection of logical drive formatted as a Linux partition for the **copy** operation.

June 2003 11 of 218 SafeBack 2.18

The 56 cases that were not run were eliminated for one or more of the following reasons (see Table 3-1 for details):

- SafeBack does not support partition (logical drive) operations (copy restore or backup) on NTFS or Linux ext2 partitions.
- Some test cases are going to be deleted from the test specification and are never used to test any disk imaging tools. For example, cases involving deleted file recovery are being deleted from the specification because deleted file recovery tools will be tested separately.
- Some test cases require support software or other tools that are not available. For example, some test cases specify I/O error simulation beyond the scope of the current tools.

Table 3-1. Test Cases Not Applied to SafeBack

Case	Reason Case Not Used
DI-011	Unsupported operation.
DI-012	Unsupported partition type.
DI-013	Case deleted, unsupported partition type.
DI-026	Case deleted, unsupported partition type.
DI-028	Unsupported partition type.
DI-029	Unsupported partition type.
DI-037	Unsupported partition type.
DI-038	Unsupported partition type.
DI-039	Case deleted.
DI-042	Unsupported partition type.
DI-043	Unsupported partition type.
DI-052	Case deleted.
DI-053	Case deleted.
DI-073	Unsupported partition type.
DI-074	Unsupported partition type.
DI-075	Case deleted.
DI-076	Case deleted.
DI-077	Case deleted, unsupported partition type.
DI-078	Case deleted, unsupported partition type.
DI-079	Unsupported partition type.
DI-080	Unsupported partition type.
DI-084	Unsupported partition type.
DI-085	Unsupported partition type.
DI-086	Beyond scope of err simulator.
DI-087	Unsupported partition type.
DI-088	Unsupported partition type.
DI-095	Beyond scope of err simulator.
DI-096	Beyond scope of err simulator.
DI-102	Unsupported partition type.
DI-103	Unsupported partition type.
DI-104	Case deleted, unsupported partition type.
DI-105	Case deleted, unsupported partition type.
DI-106	Case deleted.
DI-107	Case deleted.
DI-110	Unsupported partition type.
DI-111	Unsupported partition type.
DI-112	Unsupported partition type.
DI-113	Unsupported partition type.

Case	Reason Case Not Used
DI-114	Beyond scope of err simulator.
DI-115	Beyond scope of err simulator.
DI-116	Unsupported partition type.
DI-117	Unsupported partition type.
DI-124	Beyond scope of err simulator.
DI-125	Beyond scope of err simulator.
DI-131	Unsupported partition type.
DI-132	Unsupported partition type.
DI-133	Case deleted.
DI-134	Case deleted.
DI-135	Case deleted, unsupported partition type.
DI-136	Case deleted, unsupported partition type.
DI-143	Beyond scope of err simulator.
DI-144	Beyond scope of err simulator.
DI-165	Case deleted.
DI-166	Case deleted.
DI-167	Case deleted.
DI-168	Case deleted.

4. Test Results by Assertion

This section presents the results of SafeBack testing with results grouped by assertion. The assertions are taken from the *Disk Imaging Tool Specification*, *Version 3.1.6*.

4.1 Mandatory Assertions

AM-1. If a source is accessed by the tool, then the source will not be altered.

After each source disk is created, a SHA-1 hash value is calculated and saved. Each time the tool is run, another SHA-1 hash value is calculated after the run and compared to the saved value. For all test cases that were run, the hash codes matched (i.e. the source was not altered).

The column labeled **Case** is the test case ID. **Before SHA-1** is the first four and last four digits (in hexadecimal) of the SHA computed on the source disk before running any test cases. **After SHA-1** is the first four and last four digits (in hexadecimal) of the SHA computed on the source disk after executing SafeBack for the given test case. The **SHA Values Match?** column indicates whether the full hash values match.

Case	Before SHA-1	After SHA-1	SHA Values Match?
DI-001	BD41 9A00	BD41 9A00	OK
DI-002	BD41 9A00	BD41 9A00	OK
DI-003	D0FC 428F	D0FC 428F	OK
DI-004	BD41 9A00	BD41 9A00	OK
DI-005	D0FC 428F	D0FC 428F	OK
DI-006	D0FC 428F	D0FC 428F	OK
DI-007	D0FC 428F	D0FC 428F	OK
DI-008	D0FC 428F	D0FC 428F	OK
DI-009	95C6 26E6	95C6 26E6	OK

Case	Before SHA-1	After SHA-1	SHA Values Match?
DI-010	BD41 9A00	BD41 9A00	OK
DI-014	BD41 9A00	BD41 9A00	OK
DI-015	3E7E C05A	3E7E C05A	OK
DI-016	D0FC 428F	D0FC 428F	OK
DI-017	3E7E C05A	3E7E C05A	OK
DI-018	9AE1 F071	9AE1 F071	OK
DI-019	9AE1 F071	9AE1 F071	OK
DI-020	9AE1 F071	9AE1 F071	OK
DI-021	9AE1 F071	9AE1 F071	OK
DI-022	9AE1 F071	9AE1 F071	OK
DI-023	83A0 2A54	83A0 2A54	OK
DI-024	F8C6 6FF2	F8C6 6FF2	OK
DI-025	3E7E C05A	3E7E C05A	OK
DI-027	3DE5 FD14	3DE5 FD14	OK
DI-030	3E7E C05A	3E7E C05A	OK
DI-031	0F9D 7AB0	0F9D 7AB0	OK
DI-032	0F9D 7AB0	0F9D 7AB0	OK
DI-033	4692 93F0	4692 93F0	OK
DI-034	4692 93F0	4692 93F0	OK
DI-035	4692 93F0	4692 93F0	OK
DI-036	0F9D 7AB0	0F9D 7AB0	OK
DI-040	0F9D 7AB0	0F9D 7AB0	OK
DI-041	25BF 9CBF	25BF 9CBF	OK
DI-044	BD41 9A00	BD41 9A00	OK
DI-045	BD41 9A00	BD41 9A00	OK
DI-046	D0FC 428F	D0FC 428F	OK
DI-047	BD41 9A00	BD41 9A00	OK
DI-048	9AE1 F071	9AE1 F071	OK
DI-049	83A0 2A54	83A0 2A54	OK
DI-050	0F9D 7AB0	0F9D 7AB0	OK
DI-051	0F9D 7AB0	0F9D 7AB0	OK
DI-054	4692 93F0	4692 93F0	OK
DI-055	0F9D 7AB0	0F9D 7AB0	OK
DI-056	9AE1 F071	9AE1 F071	OK
DI-057	F8C6 6FF2	F8C6 6FF2	OK
DI-058	83A0 2A54	83A0 2A54	OK
DI-059	0F9D 7AB0	0F9D 7AB0	OK
DI-060	25BF 9CBF	25BF 9CBF	OK
DI-061	0F9D 7AB0	0F9D 7AB0	OK
DI-062	27E3 3191	27E3 3191	OK
DI-063	BD41 9A00	BD41 9A00	OK
DI-064	D0FC 428F	D0FC 428F	OK
DI-065	BD41 9A00	BD41 9A00	OK
DI-066	D0FC 428F	D0FC 428F	OK
DI-067	D0FC 428F	D0FC 428F	OK
DI-068	BD41 9A00	BD41 9A00	OK
DI-069	D0FC 428F	D0FC 428F	OK
DI-070	D0FC 428F	D0FC 428F	OK
DI-071	BD41 9A00	BD41 9A00	OK
DI-072	3E7E C05A	3E7E C05A	OK
DI-081	3E7E C05A	3E7E C05A	OK
DI-082	27E3 3191	27E3 3191	OK
DI-083	3E7E C05A	3E7E C05A	OK

Case	Before SHA-1	After SHA-1	SHA Values Match?
DI-089	3E7E C05A	3E7E C05A	OK
DI-090	D0FC 428F	D0FC 428F	OK
DI-091	F8C6 6FF2	F8C6 6FF2	OK
DI-092	F8C6 6FF2	F8C6 6FF2	OK
DI-093	F8C6 6FF2	F8C6 6FF2	OK
DI-094	F8C6 6FF2	F8C6 6FF2	OK
DI-097	F8C6 6FF2	F8C6 6FF2	OK
DI-098	F8C6 6FF2	F8C6 6FF2	OK
DI-099	8034 B235	8034 B235	OK
DI-100	F8C6 6FF2	F8C6 6FF2	OK
DI-101	3E7E C05A	3E7E C05A	OK
DI-108	3DE5 FD14	3DE5 FD14	OK
DI-109	83A0 2A54	83A0 2A54	OK
DI-118	3E7E C05A	3E7E C05A	OK
DI-119	F8C6 6FF2	F8C6 6FF2	OK
DI-120	25BF 9CBF	25BF 9CBF	OK
DI-121	0F9D 7AB0	0F9D 7AB0	OK
DI-122	25BF 9CBF	25BF 9CBF	OK
DI-123	25BF 9CBF	25BF 9CBF	OK
DI-126	0F9D 7AB0	0F9D 7AB0	OK
DI-127	0F9D 7AB0	0F9D 7AB0	OK
DI-128	25BF 9CBF	25BF 9CBF	OK
DI-128		0F9D 7AB0	
			OK
DI-130 DI-137	2EB2 2564 0F9D 7AB0	2EB2 2564	OK OK
DI-137	25BF 9CBF	0F9D 7AB0 25BF 9CBF	OK
DI-138	0=	25BF 9CBF	OK
DI-140 DI-141	0F9D 7AB0 2EB2 2564		OK OK
DI-141 DI-142	2EB2 2564 0F9D 7AB0	2EB2 2564 0F9D 7AB0	OK
DI-142 DI-145			
	4D63 63FC	4D63 63FC	OK
DI-146	0F9D 7AB0	0F9D 7AB0	OK
DI-147	2EB2 2564	2EB2 2564	OK OK
DI-148	0F9D 7AB0	0F9D 7AB0	OK
DI-149	F8C6 6FF2	F8C6 6FF2	OK
DI-150	F8C6 6FF2	F8C6 6FF2	OK
DI-151	F8C6 6FF2	F8C6 6FF2	OK OK
DI-152	F8C6 6FF2	F8C6 6FF2	OK OK
DI-153	8034 B235	8034 B235	OK
DI-154	25BF 9CBF	25BF 9CBF	OK
DI-155	0F9D 7AB0	0F9D 7AB0	OK
DI-156	0F9D 7AB0	0F9D 7AB0	OK
DI-157	25BF 9CBF	25BF 9CBF	OK
DI-158	25BF 9CBF	25BF 9CBF	OK
DI-159	3E7E C05A	3E7E C05A	OK
DI-160	F8C6 6FF2	F8C6 6FF2	OK OK
DI-161	8034 B235	8034 B235	OK
DI-162	0F9D 7AB0	0F9D 7AB0	OK
DI-163	0F9D 7AB0	0F9D 7AB0	OK
DI-164	25BF 9CBF	25BF 9CBF	OK

AM-2. If there are no errors reading from a source or writing to a destination, then a bit-stream duplicate of the source will be created on the destination.

The column labeled **Case** is the test case ID. The type of object copied—disk or partition—is indicated in the **Obj** column. The column labeled **Src** is the number of sectors on the source to be copied. The column labeled **Dst** is the number of sectors on the destination. The number of sectors compared are listed in the **Compared** column. **Not Matched** indicates the number of sectors that were expected to compare equal but were different. The table is sorted first by type of object copied and then by case.

The BIOS anomaly is apparent (a value of 1,008 in the **Not Matched** column) for test cases DI-007 and DI-069. The FAT32 anomaly is apparent as a value of 1 in the **Not Matched** column for the FAT32 test cases.

Case	Obj	Src	Dst	Compared	Not Matched
DI-001	Disk	3173184	12672450	3173184	0
DI-002	Disk	3173184	6306048	3173184	0
DI-007	Disk	3335472	3335472	3335472	1008
DI-008	Disk	3335472	3173184	3173184	0
DI-009	FAT12	16065	20097	16065	0
DI-010	FAT16	1229697	1334529	1229697	0
DI-016	FAT16	1229697	1229697	1229697	0
DI-017	FAT32	1229697	1128897	1128897	1
DI-018	Disk	3173184	6306048	3173184	0
DI-019	Disk	3173184	6306048	3173184	0
DI-022	Disk	3173184	3173184	3173184	0
DI-023	Disk	40188960	39102336	39102336	0
DI-024	FAT16	1229697	1334529	1229697	0
DI-025	FAT32	1229697	1334529	1229697	1
DI-030	FAT32	1229697	1128897	1128897	1
DI-031	Disk	17938985	35843670	17938985	0
DI-032	Disk	17938985	35843670	17938985	0
DI-035	Disk	17921835	17921835	17921835	0
DI-036	Disk	17938985	17921835	17921835	0
DI-044	Disk	3173184	12672450	3173184	0
DI-045	Disk	3173184	3335472	3173184	0
DI-048	Disk	3173184	3173184	3173184	0
DI-049	Disk	40188960	39102336	39102336	0
DI-050	Disk	17938985	35843670	17938985	0
DI-051	Disk	17938985	35843670	17938985	0
DI-054	Disk	17921835	17921835	17921835	0
DI-055	Disk	17938985	17921835	17921835	0
DI-056	Disk	3173184	17921835	3173184	0
DI-057	Disk	3173184	17921835	3173184	0
DI-058	Disk	40188960	17921835	17921835	0
DI-059	Disk	17938985	39102336	17938985	0
DI-060	Disk	17938985	39102336	17938985	0
DI-061	Disk	17938985	6306048	6306048	0
DI-063	Disk	3173184	3335472	3173184	0
DI-069	Disk	3335472	3335472	3335472	1008
DI-070	Disk	3335472	3173184	3173184	0
DI-072	FAT32	1229697	1334529	1229697	1

June 2003 16 of 218 SafeBack 2.18

Case	Obj	Src	Dst	Compared	Not Matched
DI-089	FAT32	1229697	1128897	1128897	1
DI-090	FAT16	1229697	1128897	1128897	0
DI-092	Disk	3173184	6306048	3173184	0
DI-098	Disk	3173184	3173184	3173184	0
DI-099	Disk	40188960	39102336	39102336	0
DI-101	FAT32	1229697	1334529	1229697	1
DI-118	FAT32	1229697	1128897	1128897	1
DI-119	FAT16	1229697	1128897	1128897	0
DI-121	Disk	17938985	35843670	17938985	0
DI-127	Disk	17938985	17938985	17938985	0
DI-128	Disk	17938985	17921835	17921835	0
DI-130	FAT32	1236942	1333332	1236942	1
DI-142	FAT16	1236942	1236942	1236942	0
DI-146	FAT16	1236942	1236942	1236942	0
DI-147	FAT32	1236942	1140552	1140552	1
DI-148	FAT16	1236942	1128897	1128897	0
DI-150	Disk	3173184	6306048	3173184	0
DI-152	Disk	3173184	3173184	3173184	0
DI-153	Disk	40188960	39102336	39102336	0
DI-155	Disk	17938985	35843670	17938985	0
DI-157	Disk	17938985	17938985	17938985	0
DI-158	Disk	17938985	17921835	17921835	0
DI-160	Disk	3173184	16434495	3173184	0
DI-161	Disk	40188960	17921835	17921835	0
DI-163	Disk	17938985	39102336	17938985	0
DI-164	Disk	17938985	6306048	6306048	0

AM-3. If there are errors reading from a source or writing to a destination, then a qualified bit-stream duplicate of the source will be created on the destination. The identified areas are replaced by values specified by the tool's documentation.

The column labeled **Case** is the test case ID. The type of object copied is indicated in the **Obj** column. The type of error introduced is indicated in the **Err** column. **Not Matched** indicates the number of sectors that were expected to compare equal but were different. The **Range** column contains a list of sector ranges indicating contiguous blocks of sectors that do not match the expected results.

The BIOS anomaly is indicated in cases DI-005, DI-006, DI-062, DI-066, DI-064, and DI-066. The FAT32 anomaly is apparent, as a range of 1, is listed with another range in the **Range** column. The entries in the **Err** column indicate the type of error introduced: src rd (source read), dst wt (destination write), img rd (image read), img wt (image write), and corrupt (the image file has been changed).

Case	Obj	Err	Not Matched	Range
DI-005	Disk	src rd	1009	36460, 3334464-3335471
DI-006	Disk	dst wt	1076	36227-36294, 3334464-3335471
DI-014	FAT16	src rd	1	24864
DI-015	FAT32	dst wt	89	1, 1697-1784
DI-020	Disk	src rd	1	8929
DI-021	Disk	dst wt	105	7392-7496

Case	Obj	Err	Not Matched	Range
DI-027	FAT32	src rd	2	1, 369635
DI-033	Disk	src rd	1	699
DI-034	Disk	dst wt	29	90-118
DI-040	FAT16	src rd	1	1060362
DI-041	FAT32	dst wt	109	1, 514210-514317
DI-062	Disk	corrupt	1009	17, 3334464-3335471
DI-064	Disk	src rd	1009	20346, 3334464-3335471
DI-065	Disk	dst wt	91	20734-20824
DI-066	Disk	img rd	1127	20111-20229, 3334464-3335471
DI-067	Disk	img wt	3297987	37485-3335471
DI-068	Disk	corrupt	1	18
DI-071	FAT16	corrupt	1	11
DI-081	FAT32	img rd	120	1, 30821-30939
DI-082	FAT16	img wt	1152466	77231-1229696
DI-083	FAT32	corrupt	2	1, 10
DI-091	Disk	corrupt	1	4
DI-093	Disk	src rd	1	7895
DI-094	Disk	dst wt	45	6381-6425
DI-097	Disk	corrupt	1	4
DI-100	FAT16	corrupt	1	0
DI-108	FAT32	src rd	2	1, 434263
DI-109	FAT16	dst wt	11	530217, 530235-530240, 530245-
				530247,
DI-120	Disk	corrupt	1	11
DI-122	Disk	src rd	1	1380770
DI-123	Disk	dst wt	93	17938800-17938892
DI-126	Disk	corrupt	1	15
DI-129	FAT16	corrupt	1	0
DI-137	FAT16	src rd	1	481953
DI-138	FAT32	dst wt	21	1, 370903-370922
DI-139	FAT32	img rd	120	1, 68068-68186
DI-140	FAT16	img wt	1024051	212891-1236941
DI-141	FAT32	corrupt	2	1, 7
DI-145	FAT32	corrupt	2	1, 1450
DI-149	Disk	corrupt	1	12
DI-151	Disk	corrupt	1	6
DI-154	Disk	corrupt	1	12
DI-156	Disk	corrupt	1	9
DI-159	Disk	corrupt	1	1
DI-162	Disk	corrupt	1	13

AM-4. If there are errors reading from the source or writing to the destination, then the error types and locations are logged.

The column labeled **Case** is the test case ID. The type of operation performed is indicated by the **Op** column. The type of error introduced is indicated in the **Err** column. The message from the SafeBack log file is in the **Message** column. The reported location (if any) is in the **Location** column. In the **Location** column, LBA means logical block address.

June 2003 18 of 218 SafeBack 2.18

Case	Op	Err	Message	Location
DI-005	сору	src rd	sector flagged bad error	LBA 36460 CHS
			(status 0a)	9/2/47
DI-006	сору	dst wt	sector flagged bad error	LBA 36227 CHS
			(status 0a)	8/63/3
DI-014	сору	src rd	bad address mark error	LBA 24864 CHS
			(status 02)	6/10/43
DI-015	copy	dst wt	bad address mark error	LBA 1697 CHS
			(status 02)	0/26/60
DI-020	copy	src rd	sector flagged bad error	LBA 8929 CHS
			(status 0a)	8/13/47
DI-021	copy	dst wt	sector flagged bad error	LBA 7392 CHS
			(status 0a)	7/5/22
DI-027	copy	src rd	bad address mark error	LBA 369635 CHS
			(status 02)	23/2/15
DI-033	сору	src rd	sector flagged bad error	LBA 699 CHS
			(status 0a)	0/11/7
DI-034	сору	dst wt	sector flagged bad error	LBA 90 CHS 0/1/28
			(status 0a)	
DI-040	сору	src rd	bad address mark error	LBA 1060362 CHS
			(status 02)	66/1/10
DI-041	сору	dst wt	bad address mark error	LBA 514210 CHS
			(status 02)	32/2/5
DI-064	image	src rd	sector flagged bad error	LBA 20346 CHS
			(status Oa)	5/2/61
DI-065	image	dst wt	sector flagged bad error	LBA 20734 CHS
			(status 0a)	5/9/8
DI-066	image	img rd	access denied error	
DI-067	image	img wt	unrecoverable file error	
DI-081	image	img rd	access denied error	
DI-082	image	img wt	unrecoverable file error	
DI-093	image	src rd	sector flagged bad error	LBA 7895 CHS
			(status 0a)	7/13/21
DI-094	image	dst wt	sector flagged bad error	LBA 6381 CHS
			(status 0a)	6/5/19
DI-108	image	src rd	bad address mark error	LBA 434263 CHS
			(status 02)	27/8/5
DI-109	image	dst wt	bad address mark error	LBA 530217 CHS
			(status 02)	33/1/10
DI-122	image	src rd	sector flagged bad error	LBA 1380770 CHS
			(status 0a)	85/241/63
DI-123	image	dst wt	sector flagged bad error	LBA 17938800 CHS
			(status 0a)	1116/162/55
DI-137	image	src rd	bad address mark error	LBA 481953 CHS
			(status 02)	30/0/4
DI-138	image	dst wt	bad address mark error	LBA 370903 CHS
			(status 02)	23/22/23
DI-139	image	img rd	access denied error	
DI-140	image	img wt	unrecoverable file error	

AM-5. If the source or destination is an IDE or SCSI drive and an image or bit-stream duplicate is created, then the interface used is presumed to be *well defined*.³

The column labeled **Case** is the test case ID. The column labeled **Src** is the interface for accessing the source. The column labeled **Dst** is the interface for accessing the destination.

Case	Src	Dst
DI-001	BIOS-IDE	BIOS-IDE
DI-002	BIOS-IDE	BIOS-IDE
DI-003	BIOS-IDE	BIOS-IDE
DI-004	BIOS-IDE	BIOS-IDE
DI-005	BIOS-IDE	BIOS-IDE
DI-006	BIOS-IDE	BIOS-IDE
DI-007	BIOS-IDE	BIOS-IDE
DI-008	BIOS-IDE	BIOS-IDE
DI-009	BIOS-IDE	BIOS-IDE
DI-010	BIOS-IDE	BIOS-IDE
DI-014	BIOS-IDE	BIOS-IDE
DI-015	BIOS-IDE	BIOS-IDE
DI-016	BIOS-IDE	BIOS-IDE
DI-017	BIOS-IDE	BIOS-IDE
DI-018	XBIOS-IDE	XBIOS-IDE
DI-019	XBIOS-IDE	XBIOS-IDE
DI-020	XBIOS-IDE	XBIOS-IDE
DI-021	XBIOS-IDE	XBIOS-IDE
DI-022	XBIOS-IDE	XBIOS-IDE
DI-023	XBIOS-IDE	XBIOS-IDE
DI-024	XBIOS-IDE	XBIOS-IDE
DI-025	XBIOS-IDE	XBIOS-IDE
DI-027	XBIOS-IDE	XBIOS-IDE
DI-030	XBIOS-IDE	XBIOS-IDE
DI-031	XBIOS-SCSI	XBIOS-SCSI
DI-032	XBIOS-SCSI	XBIOS-SCSI
DI-033	XBIOS-SCSI	XBIOS-SCSI
DI-034	XBIOS-SCSI	XBIOS-SCSI
DI-035	XBIOS-SCSI	XBIOS-SCSI
DI-036	XBIOS-SCSI	XBIOS-SCSI
DI-040	XBIOS-SCSI	XBIOS-SCSI
DI-041	XBIOS-SCSI	XBIOS-SCSI
DI-044	DIRECT-IDE	DIRECT-IDE
DI-045	DIRECT-IDE	DIRECT-IDE
DI-046	DIRECT-IDE	DIRECT-IDE
DI-047	DIRECT-IDE	DIRECT-IDE
DI-048	DIRECT-IDE	DIRECT-IDE
DI-049	DIRECT-IDE	DIRECT-IDE
DI-050	ASPI	ASPI
DI-051	ASPI	ASPI
DI-054	ASPI	ASPI
DI-055	ASPI	ASPI
DI-056	XBIOS-IDE	XBIOS-SCSI

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³ The actual assertion from the specification refers to a specific requirement. The essence of the referenced requirement is for the interface to be well defined.

Case	Src	Dst
DI-057	XBIOS-IDE	XBIOS-SCSI
DI-058	XBIOS-IDE	XBIOS-SCSI
DI-059	XBIOS-SCSI	XBIOS-IDE
DI-060	XBIOS-SCSI	XBIOS-IDE
DI-061	XBIOS-SCSI	XBIOS-IDE
DI-062	BIOS-IDE	BIOS-IDE
DI-063	BIOS-IDE	BIOS-IDE
DI-064	BIOS-IDE	BIOS-IDE
DI-065	BIOS-IDE	BIOS-IDE
DI-066	BIOS-IDE	BIOS-IDE
DI-067	BIOS-IDE	BIOS-IDE
DI-068	BIOS-IDE	BIOS-IDE
DI-069	BIOS-IDE	BIOS-IDE
DI-070	BIOS-IDE	BIOS-IDE
DI-071	BIOS-IDE	BIOS-IDE
DI-072	BIOS-IDE	BIOS-IDE
DI-081	BIOS-IDE	BIOS-IDE
DI-082	BIOS-IDE	BIOS-IDE
DI-083	BIOS-IDE	BIOS-IDE
DI-089	BIOS-IDE	BIOS-IDE
DI-090	BIOS-IDE	BIOS-IDE
DI-091	XBIOS-IDE	XBIOS-IDE
DI-092	XBIOS-IDE	XBIOS-IDE
DI-093	XBIOS-IDE	XBIOS-IDE
DI-094	XBIOS-IDE	XBIOS-IDE
DI-097	XBIOS-IDE	XBIOS-IDE
DI-098	XBIOS-IDE	XBIOS-IDE
DI-099	XBIOS-IDE	XBIOS-IDE
DI-100	XBIOS-IDE	XBIOS-IDE
DI-101	XBIOS-IDE	XBIOS-IDE
DI-108	XBIOS-IDE	XBIOS-IDE
DI-109	XBIOS-IDE	XBIOS-IDE
DI-118	XBIOS-IDE	XBIOS-IDE
DI-119	XBIOS-IDE	XBIOS-IDE
DI-120	XBIOS-SCSI	XBIOS-SCSI
DI-121	XBIOS-SCSI	XBIOS-SCSI
DI-122	XBIOS-SCSI	XBIOS-SCSI
DI-123	XBIOS-SCSI	XBIOS-SCSI
DI-126	XBIOS-SCSI	XBIOS-SCSI
DI-127	XBIOS-SCSI	XBIOS-SCSI
DI-128	XBIOS-SCSI	XBIOS-SCSI
DI-129	XBIOS-SCSI	XBIOS-SCSI
DI-130	XBIOS-SCSI	XBIOS-SCSI
DI-137	XBIOS-SCSI	XBIOS-SCSI
DI-138	XBIOS-SCSI	XBIOS-SCSI
DI-139	XBIOS-SCSI	XBIOS-SCSI
DI-140	XBIOS-SCSI	XBIOS-SCSI
DI-141	XBIOS-SCSI	XBIOS-SCSI
DI-142	XBIOS-SCSI	XBIOS-SCSI
DI-145	XBIOS-SCSI	XBIOS-SCSI
DI-146	XBIOS-SCSI	XBIOS-SCSI
DI-147	XBIOS-SCSI	XBIOS-SCSI
DI-148	XBIOS-SCSI	XBIOS-SCSI

Case	Src	Dst
DI-149	DIRECT-IDE	DIRECT-IDE
DI-150	DIRECT-IDE	DIRECT-IDE
DI-151	DIRECT-IDE	DIRECT-IDE
DI-152	DIRECT-IDE	DIRECT-IDE
DI-153	DIRECT-IDE	DIRECT-IDE
DI-154	ASPI	ASPI
DI-155	ASPI	ASPI
DI-156	ASPI	ASPI
DI-157	ASPI	ASPI
DI-158	ASPI	ASPI
DI-159	XBIOS-IDE	XBIOS-SCSI
DI-160	XBIOS-IDE	XBIOS-SCSI
DI-161	XBIOS-IDE	XBIOS-SCSI
DI-162	XBIOS-SCSI	XBIOS-IDE
DI-163	XBIOS-SCSI	XBIOS-IDE
DI-164	XBIOS-SCSI	XBIOS-IDE

AM-6. If the expected result of any test defined in this specification is achieved and the documentation was followed without change in achieving this result, then the documentation is presumed correct.

Some behavior of the tool was not well documented or was ambiguous. For example, the description of the tool treatment of extra sectors on a copy of an original was ambiguous (see section 2.2).

AM-7. If a bit-stream duplicate of a source is created on a larger destination, then the contents of areas on the destination that are not part of the duplicate are set to values as specified in the tool documentation.

The column labeled **Case** is the test case ID. The type of object copied is indicated in the **Obj** column. The **Do BF** column indicates the SafeBack backfill setting recorded in the log file. A value of *Yes* indicates that zero backfilling should be performed. The **Excess** column indicates the number of excess sectors on the destination. The number of excess sectors backfilled with zero is indicated in the **Zero BF** column. The number of excess destination sectors that were not changed by SafeBack is indicated in the **Not BF** column.

The backfill anomaly is apparent in a large number of cases. The BIOS anomaly is indicated in cases DI-001 and DI-063.

Case	Obj	Do BF	Excess	Zero BF	Not BF
DI-001	Disk	No	9499266	9486036	13230
DI-002	Disk	Yes	3132864	3132864	0
DI-009	FAT12	No	4032	0	4032
DI-010	FAT16	Yes	104832	0	104832
DI-018	Disk	No	3132864	3132864	0
DI-019	Disk	Yes	3132864	3132864	0
DI-024	FAT16	No	104832	0	104832
DI-025	FAT32	Yes	104832	0	104832
DI-031	Disk	No	17904685	17904685	0

Case	Obj	Do BF	Excess	Zero BF	Not BF
DI-032	Disk	Yes	17904685	17904685	0
DI-044	Disk	No	9499266	9499266	0
DI-045	Disk	Yes	162288	162288	0
DI-050	Disk	No	17904685	17904685	0
DI-051	Disk	Yes	17904685	17904685	0
DI-056	Disk	No	14748651	14748651	0
DI-057	Disk	Yes	14748651	14748651	0
DI-059	Disk	No	21163351	21163351	0
DI-060	Disk	Yes	21163351	21163351	0
DI-062	Disk	No	2970576	2970576	0
DI-063	Disk	No	162288	161280	1008
DI-071	FAT16	No	104832	0	104832
DI-072	FAT32	No	104832	0	104832
DI-091	Disk	No	3132864	3132864	0
DI-092	Disk	No	3132864	3132864	0
DI-100	FAT16	No	104832	0	104832
DI-101	FAT32	No	104832	0	104832
DI-120	Disk	No	17904685	17904685	0
DI-121	Disk	No	17904685	17904685	0
DI-129	FAT16	No	96390	0	96390
DI-130	FAT32	No	96390	0	96390
DI-149	Disk	No	3132864	3132864	0
DI-150	Disk	No	3132864	3132864	0
DI-154	Disk	No	17904685	17904685	0
DI-155	Disk	No	17904685	17904685	0
DI-159	Disk	No	32508198	32508198	0
DI-160	Disk	No	13261311	13261311	0
DI-162	Disk	No	21163351	21163351	0
DI-163	Disk	No	21163351	21163351	0

AM-8. If a bit-stream duplicate of a source is created on a smaller destination, then the duplicate is qualified by omitted portions of the bit-stream, and the tool will notify the user that the source is larger than the destination.

The column labeled **Case** is the test case ID. The column labeled **Op** indicates the type of operation selected. The type of object copied is indicated in the **Obj** column. The message from the log file is in the **Message** column.

Case	Op	Obj	Message
DI-008	сору	Disk	Insufficient destination file space
			projected.
DI-017	сору	FAT32	Insufficient destination file space
			projected.
DI-023	сору	Disk	Insufficient destination file space
			projected.
DI-030	сору	FAT32	Insufficient destination file space
			projected.
DI-036	сору	Disk	Insufficient destination file space
			projected.
DI-049	сору	Disk	Insufficient destination file space
			projected.
DI-055	сору	Disk	Insufficient destination file space

Case	Op	Obj	Message
			projected.
DI-058	сору	Disk	Insufficient destination file space
			projected.
DI-061	copy	Disk	Insufficient destination file space
			projected.
DI-070	image	Disk	Destination drive capacity is smaller.
DI-089	image	FAT32	Destination drive capacity is smaller.
DI-090	image-rm	FAT16	Destination drive capacity is smaller.
DI-099	image	Disk	Destination drive capacity is smaller.
DI-118	image	FAT32	Destination drive capacity is smaller.
DI-119	image-rm	FAT16	Destination drive capacity is smaller.
DI-128	image	Disk	Destination drive capacity is smaller.
DI-147	image	FAT32	Destination drive capacity is smaller.
DI-148	image-rm	FAT16	Destination drive capacity is smaller.
DI-153	image	Disk	Destination drive capacity is smaller.
DI-158	image	Disk	Destination drive capacity is smaller.
DI-161	image	Disk	Destination drive capacity is smaller.
DI-164	image	Disk	Destination drive capacity is smaller.

4.2 Optional Assertions

AO-1. If a hash of one or more blocks (i.e., less than the entire disk) from the source is computed before duplication and is compared to a hash of the same blocks from the destination, the hashes will compare equal.

The column labeled **Case** is the test case ID. The type of operation is indicated in the **Op** column. The type of object copied is indicated in the **Obj** column. The type of error introduced is indicated in the **Err** column. The message from the log file is in the **Message** column.

An error message of CRC mismatch is the expected result for cases with "corrupt," "img rd," or "img wt" listed in the **Err** column.

Case	Obj	Err	Message
DI-062	Disk	corrupt	CRC mismatch: Calc: e8b30a50, Read: 77b22116
DI-063	Disk	none	CRC verifies: c47d6f53
DI-064	Disk	src rd	CRC verifies: b2ce8cc4
DI-065	Disk	dst wt	CRC verifies: e4110b05
DI-066	Disk	img rd	CRC mismatch: Calc: e4ced409, Read: 66550957
DI-068	Disk	corrupt	CRC mismatch: Calc: f68b0bae, Read: 5d3cb32a
DI-069	Disk	none	CRC verifies: a56cb1bc
DI-071	FAT16	corrupt	CRC mismatch: Calc: 0a622327, Read: 7a50bbc4
DI-072	FAT32	none	CRC verifies: bd824e5c
DI-081	FAT32	img rd	CRC mismatch: Calc: 8b9ec084, Read: ce17ce49
DI-083	FAT32	corrupt	CRC mismatch: Calc: 43c7bebf, Read: ddcc46b0
DI-091	Disk	corrupt	CRC mismatch: Calc: 04627298, Read: 4f437945
DI-092	Disk	none	CRC verifies: a3a50a2a
DI-093	Disk	src rd	CRC verifies: 91056b0f
DI-094	Disk	dst wt	CRC verifies: 4cdfe8f9
DI-097	Disk	corrupt	CRC mismatch: Calc: 4321c445, Read: 3a1d33b9
DI-098	Disk	none	CRC verifies: 760cf5e2
DI-100	FAT16	corrupt	CRC mismatch: Calc: 45c4af2b, Read: 91255045

Case	Obj	Err	Message
DI-101	FAT32	none	CRC verifies: bd08777b
DI-108	FAT32	src rd	CRC verifies: 591da57a
DI-109	FAT16	dst wt	CRC verifies: 5f9fda26
DI-120	Disk	corrupt	CRC mismatch: Calc: 1b535c9a, Read: e5e77797
DI-121	Disk	none	CRC verifies: d3887c3f
DI-122	Disk	src rd	CRC verifies: aec0b453
DI-123	Disk	dst wt	CRC verifies: 471e534b
DI-126	Disk	corrupt	CRC mismatch: Calc: 1e24a621, Read: 58a8f1e3
DI-127	Disk	none	CRC verifies: 6fa0ad4f
DI-129	FAT16	corrupt	CRC mismatch: Calc: 1be33940, Read: 361e1960
DI-130	FAT32	none	CRC verifies: 4b1656d4
DI-137	FAT16	src rd	CRC verifies: 9cf5032d
DI-138	FAT32	dst wt	CRC verifies: b4ff226a
DI-139	FAT32	img rd	CRC mismatch: Calc: 23d8afa0, Read: 23b4b171
DI-141	FAT32	corrupt	CRC mismatch: Calc: b391cfbb, Read: 4634c6f8
DI-142	FAT16	none	CRC verifies: d88c8e2f
DI-145	FAT32	corrupt	CRC mismatch: Calc: ecaaf057, Read: 68796db1
DI-146	FAT16	none	CRC verifies: a350e79a
DI-149	Disk	corrupt	CRC mismatch: Calc: 37014d2e, Read: 2de48036
DI-150	Disk	none	CRC verifies: 479afba8
DI-151	Disk	corrupt	CRC mismatch: Calc: e9ad5545, Read: 24d2ac4f
DI-152	Disk	none	CRC verifies: 5c9fb4c1
DI-154	Disk	corrupt	CRC mismatch: Calc: 7ad426b7, Read: bcbf2826
DI-155	Disk	none	CRC verifies: 921cbf7e
DI-156	Disk	corrupt	CRC mismatch: Calc: d93406b9, Read: 99be1833
DI-159	Disk	corrupt	CRC mismatch: Calc: 5a8e4fad, Read: a5863044
DI-160	Disk	none	CRC verifies: b4fc3848
DI-162	Disk	corrupt	CRC mismatch: Calc: efe8f293, Read: f7c78030
DI-163	Disk	none	CRC verifies: 463ad0b1

AO-2. If more than one partition exists on the source disk, the tool will produce a duplicate of any user-selected source partition on the destination.

Safeback does not support partition copies of NTFS or Linux partitions. FAT16 partitions were copied correctly. FAT32 partitions were not copied exactly. Two fields (a total of 8 bytes) in sector 1 of the partition were modified. The fields contained file system control information. No data file content was affected by the change.

Results for the partition test cases are listed in the mandatory assertions section: DI-010, DI-014, DI-015, DI-016, DI-017, DI-024, DI-027, DI-030, DI-040, DI-041, DI-071, DI-072, DI-081, DI-082, DI-083, DI-089, DI-090, DI-100, DI-101, DI-108, DI-109, DI-118, DI-119, DI-129, DI-130, DI-137, DI-138, DI-139, DI-140, DI-142, DI-145, DI-146, DI-147, and DI-148.

AO-3. If a partition exists on the source, the tool will display or log a message indicating that the partition exists and display or log one or more items of information from the following list: drive indicator, device type, device address or mount point, size, space used, and free space.

No anomalies were observed.

June 2003 25 of 218 SafeBack 2.18

AO-4. If the tool logs the tool version, it will be the version referred to in the implementation's documentation.

No anomalies were observed.

AO-5. If the subject disk identification is available and the tool is capable of logging the subject disk identification, then the subject disk identification will be logged.

No anomalies were observed.

AO-6. If the tool logs the source partition table in human readable form and the information from the source partition table can be ascertained independently from the tool, then the source partition table information will accurately match the content of the independent partition table information.

No anomalies were observed.

AO-7. If the tool logs errors and any error occurs, then the type and location of the error will be logged.

See AM-4.

AO-8. If the tool logs tool actions and the tool's documentation states what actions are logged, then the actions logged will accurately match those documented in the tool's documentation.

No anomalies were observed.

AO-9. If the tool logs start and finish run times, then the logged start and finish run times will accurately match those recorded by the tester according to screen input images, test input scripts, or tester notes.

No anomalies were observed.

AO-10. If the tool logs tool settings and the tool's documentation states what settings are logged, then the logged settings will accurately match those set by the tester or as documented in the tool's documentation.

No anomalies were observed.

AO-11. If the tool logs user comments, then the logged user comments will accurately match those entered by the tester as captured in screen input images, test input scripts, or tester notes.

No anomalies were observed.

June 2003 26 of 218 SafeBack 2.18

AO-12. If the tool creates image files, then it will create an image file of a source on a magnetic medium that can be removed from the platform on which it was created.

The results for image files are included in the results for the mandatory assertions and optional assertion AO-1. Removable medium test cases are DI-090, DI-119, DI-145, DI-146, and DI-148.

AO-13. If the tool creates an image file from a source on a removable magnetic medium, then a duplicate of the source created from the removable magnetic medium will result in a duplicate on the destination, and the destination will compare equal to the source.

The results for image files are included in the results for the mandatory assertions and optional assertion AO-1. Removable medium test cases are DI-090, DI-119, DI-145, DI-146, and DI-148.

AO-14. If an image file is created, and there are no errors reading from a source, nor errors writing to a destination, then a bit-stream duplicate created from the image file will compare equal to the source.

The results for image files are included in the results for the mandatory assertions and optional assertion AO-1. Image test cases are DI-062, DI-063, DI-068, DI-069, DI-070, DI-071, DI-072, DI-076, DI-083, DI-089, DI-090, DI-091, DI-092, DI-097, DI-098, DI-099, DI-100, DI-101, DI-118, DI-119, DI-120, DI-121, DI-126, DI-127, DI-128, DI-129, DI-130, DI-139, DI-141, DI-142, DI-145, DI-146, DI-150, DI-151, DI-152, DI-153, DI-154, DI-155, DI-156, DI-157, DI-158, DI-159, DI-160, DI-161, DI-162, DI-163, and DI-164.

5. Testing Environment

The tests were run using eleven host computers: Beta1, Beta3, Beta4, Beta6, Beta7, Delta1, Marple, Cadfael, Rumpole, Wimsey, and JudgeDee. More than 40 hard drives (14 different models, 6 different brands) were used for the tests (Table 5-1). The tests were run with the hard drives arranged in one of 12 possible configurations (Table 5-3) as required by the test parameters.

5.1 Extended BIOS Host Computers

Four host computers (Cadfael, Rumpole, Wimsey, and JudgeDee) have the following hardware components in common:

June 2003 27 of 218 SafeBack 2.18

Table 5-1. Extended BIOS Host Computer Hardware Components

ASUS CUSL2 Motherboard

BIOS: Award Medallion v6.0

Intel Pentium III (Coppermine) 933Mhz

512,672k Memory

Adaptec 29160N SCSI Adapter card Plextor CR-RW PX-W124TS Rev: 1.06

Iomega 2GB Jaz drive Rev: E.17

LS-120 Super floppy

Two slots for removable IDE hard disk drives Two slots for removable SCSI hard disk drive

Rumpole also had a 30GB OnStream SC30 tape drive (not used in the test procedures). JudgeDee had a third slot for a removable IDE hard disk drive.

5.2 Legacy BIOS Host Computers

Beta1, Beta3, Beta4, Beta6, and Beta7 are Nexar 166MHz computers with 256MB RAM; two hard disk drive bays, both of which take hard drives mounted in removable carriages; a CD–ROM drive; a 1.44MB floppy drive; and a 17" color monitor. The usual operating system environment is PC-DOS 6.3, booted from the floppy drive. The motherboard is a HCL Hewlett-Packard Integrated ISA/PCI P54C with an Award v4.51PG BIOS. Beta7 also has an Adaptec 29160N SCSI Adapter card with an Iomega 2GB Jaz drive Rev: E.17 attached.

5.3 Special SCSI System

Marple is a Nexar 166MHz computer with 256MB RAM, two SCSI hard disks (C0 and C1), a CD–ROM drive, a 1.44MB floppy drive, and a 17" color monitor. The SCSI adapter is the Adaptec AHA-2940UW Pro with SCSI BIOS V2.11.0. The usual operating system environment is PC-DOS 6.3, booted from the floppy drive. The BIOS is Award v4.51PG.

Marple is used on some SCSI test cases.

5.4 Fast SHA-1 for Nexar Tests

Delta1 is a Dell Computer Corporation system with 256MB RAM, one hard disk drive bay, one installed 15.37GB hard disk, a CD–ROM drive, a 1.44MB floppy drive, a 250MB ZIP drive, and a 17" color monitor. The usual operating system environment is PC-DOS 6.3, booted from the floppy drive. The BIOS is PhoenixBios 4.0 Release 6.0.

Delta1 is used to compute SHA-1 values for tests run on Nexar systems as needed. Delta1 (888Mhz) computes SHA-1 values much faster than Nexar (166Mhz) systems.

5.5 Hard Disk Drives

The hard disk drives that were used are listed in Table 5-2. These hard drives were mounted in removable storage modules. Any combination of two IDE hard drives and two SCSI hard drives

June 2003 28 of 218 SafeBack 2.18

can be installed in Cadfael, Rumpole, Wimsey, and JudgeDee as required for a test. The legacy BIOS computers can have only two IDE drives mounted at a time.

The IDE disks used in the legacy BIOS computers have jumpers set manually to drive 0 for source drives and drive 1 for destination drives, and the media drive is set to either 0 or 1 depending on the available drive slot available after either the source or destination drive is installed. The IDE disks used in Cadfael, Rumpole, Wimsey, and JudgeDee have jumpers set for cable select.

The SCSI ID for the SCSI disk is set to either 0 or 1 as required by the test case. Except as noted, a source disk is set to ID 0, and a destination disk is set to ID 1.

Table 5-2. Hard Drives Used in Testing

			Usable	Capacity
Label	Model	Interface	Sectors	(GB)
1E	QUANTUM ATLAS10K3_18_SCA	SCSI	35,916,547	18.38
63	WDCWD64AA	IDE	12,594,960	6.45
64	WDCWD64AA	IDE	12,594,960	6.45
65	WDCWD64AA	IDE	12,594,960	6.45
A1	QUANTUM SIROCCO 1700A	IDE	3,335,472	1.70
А3	QUANTUM SIROCCO 1700A	IDE	3,335,472	1.70
A4	QUANTUM SIROCCO 1700A	IDE	3,335,472	1.70
A5	WDC WD200BB-00AUA1	IDE	39,102,336	20.02
A6	WDC WD200BB-00AUA1	IDE	39,102,336	20.02
A7	WDC WD200BB-00AUA1	IDE	39,102,336	20.02
A8	WDC WD200BB-00AUA1	IDE	39,102,336	20.02
AB	MAXTOR53073H4	IDE	60,030,432	30.73
В5	WDC AC21600H	IDE	3,173,184	1.62
В6	WDC AC21600H	IDE	3,173,184	1.62
В7	WDC AC21600H	IDE	3,173,184	1.62
В8	WDC AC21600H	IDE	3,173,184	1.62
В9	WDC AC21600H	IDE	3,173,184	1.62
BA	QUANTUM FIREBALL ST3.2A	IDE	6,306,048	3.22
BB	QUANTUM FIREBALL ST3.2A	IDE	6,306,048	3.22
BC	QUANTUM FIREBALL ST3.2A	IDE	6,306,048	3.22
BD	QUANTUM FIREBALL ST3.2A	IDE	6,306,048	3.22
C0	SEAGATE ST39204LC	SCSI	17,921,835	9.17
C1	SEAGATE ST39204LC	SCSI	17,921,835	9.17
СВ	SEAGATE ST336705LC	SCSI	71,687,370	36.70
CC	SEAGATE ST336705LC	SCSI	71,687,370	36.70
D3	FUJITSU MPE3064AT	IDE	12,672,450	6.48
D7	QUANTUM SIROCCO 1700A	IDE	3,335,472	1.70
DA	FUJITSU MPE3064AT	IDE	12,672,450	6.48
DB	FUJITSU MPE3064AT	IDE	12,672,450	6.48
E1	QUANTUM ATLAS10K2-TY092J	SCSI	17,938,985	9.18
E2	QUANTUM ATLAS10K2-TY092J	SCSI	17,938,985	9.18
E3	QUANTUM ATLAS10K2-TY092J	SCSI	17,938,985	9.18
E4	QUANTUM ATLAS10K2-TY092J	SCSI	17,938,985	9.18
E6	SEAGATE ST318404LC	SCSI	35,843,670	18.35
E7	SEAGATE ST318404LC	SCSI	35,843,670	18.35
E8	SEAGATE ST318404LC	SCSI	35,843,670	18.35

June 2003 29 of 218 SafeBack 2.18

Label	Model	Interface	Usable Sectors	Capacity (GB)
EA	SEAGATE ST39204LC	SCSI	17,921,835	9.17
EB	SEAGATE ST39204LC	SCSI	17,921,835	9.17
EC	SEAGATE ST39204LC	SCSI	17,921,835	9.17
F1	QUANTUM SIROCCO 1700A	IDE	3,335,472	1.70
F5	IBM-DTLA-307020	IDE	40,188,960	20.57
F6	IBM-DTLA-307020	IDE	40,188,960	20.57

5.6 Test Configurations

The host computer and hard drive setup were determined by the test case parameters. Either two or three disks were required for each test case. A source and destination were required for all test cases. A media disk was required for image operations. The source disk provides something to copy. The destination disk provides a place to put the copy. The media disk provides a place to put the image file for test cases that require the creation of an image file. One of two DOS Boot floppies was selected and then used to create the run-time environment for the test case; the floppy contained control scripts and log files. Either a PC DOS 6.3 or Windows 98 DOS environment was selected. The Windows 98 DOS environment was required for test cases with an operation on a FAT32 partition. A CD–ROM contained the support software, a copy of SafeBack, and utility software. The support software provided for setup of test data, measurement of test results, and control of the test process.

The type of BIOS required for the test case determined the selection of the host computer. If an extended BIOS was required then either Cadfael, Rumpole, Wimsey, or JudgeDee was selected. If a legacy BIOS was required, then one of the Nexar computers was selected. If a copy operation on equal-sized SCSI disks was required, then Marple was selected.

The factors determining the source disk selection were the source disk interface and type of partition to copy. A disk was selected with the matching interface and a partition of the type required for the test case. The factors for the selection of the destination drive were the destination interface and the relative size parameters. A drive was selected with the specified interface and, for whole disk copies, size relative to the source. For partition copies, the actual size of the destination drive did not matter because it was the size of the partition on the destination that was relevant. After the source and destination drives were selected, the media disk was selected for one of the two available drive slots.

The 12 system hard drive configurations used for the tests are presented in Table 5-3. The **Source** column indicates where the source drive was mounted. Only the primary IDE channel was used. The drive was usually positioned as drive 0. SCSI source drives were set to SCSI ID 0. The **Destination** column indicates the positioning of the destination drive. The **Media** column indicates the positioning of the media drive.

Configurations 1–10 were used for the entire duration of a test case. Configurations 11 and 12 were used when only two disk drive slots were available on the host computer. The media disk was swapped with either the source or destination disk as required for the step of the test case execution. If an image file was to be created, then only the source and media disk were installed.

June 2003 30 of 218 SafeBack 2.18

If the image was to be restored to the destination, then the source drive was replaced by the media drive. If the source was to be compared with the destination, then the media drive was not installed.

Table 5-3. System Configurations

ID	Source	Destination	Media
1	IDE primary 0	IDE primary 1	SCSI ID 0
2	SCSI ID 0	SCSI ID 1	IDE primary 0
3	IDE primary 0	IDE primary 1	Jaz
4	SCSI ID 0	IDE primary 1	IDE primary 0
5	IDE primary 0	SCSI ID 0	IDE primary 1
6	SCSI ID 0	SCSI ID 1	Jaz
7	IDE primary 0	IDE primary 1	None
8	IDE primary 0	SCSI ID 1	None
9	SCSI ID 0	IDE primary 1	None
10	SCSI ID 0	SCSI ID 1	None
11	IDE primary 0	IDE primary 1	IDE primary 1, IDE primary 0
12	SCSI ID 0	SCSI ID 1	SCSI ID 1, SCSI ID 0

5.7 Support Software

FS-TST Release 1.0 was developed to support the testing of disk imaging tools. FS-TST Release 1.0 can be obtained from http://www.cftt.nist.gov. The support software serves five main functions: initialization of a disk to a known value (DISKWIPE); comparison of a source with a destination (DISKCMP, PARTCMP, ADJCMP, and SECCMP); detection of changes to a disk (DISKHASH and SECHASH); corruption of an image file (CORRUPT); and simulation of a faulty disk (BADDISK and BADX13). All programs except for BADDISK and BADX13 were written in ANSI C and compiled with the Borland C++ compiler version 4.5. BADDISK and BADX13 were written in assembler language and compiled with Borland Turbo Assembler version 5.0.

For these test cases, version 3.2 of BADDISK was used, not the version 3.1 included in FS-TST 1.0. In addition to this software, one of two DOS boot floppies, either a PC DOS 6.3 or Windows 98 DOS, was used to create the run-time environment for the test case. The Windows 98 DOS boot disk was required for test cases with an operation on a FAT32 partition.

5.8 Basic Structure of Test Cases

A test case has three basic parts: setup, execution of the tool, and measurement of the results. The setup for the test case was done in the DOS environment and involved the following steps:

- 1. Initialize a source disk to a known value.
- 2. Hash the source disk and save the hash value.
- 3. Initialize a destination disk to a known value.
- 4. If the test requires a partition on the destination, then create and format a partition on the destination disk.
- 5. If the test uses an image file, then partition and format a media disk.

Executing the support software required for each test tool being tested was done in the DOS environment. The steps in this execution phase were:

- 1. If the test requires a disk I/O error, then set up disk error simulation.
- 2. If the test requires an image file, then use the tool to create an image file of the source on the media disk.
- 3. If the test requires a corrupted image file, then corrupt the image file.
- 4. Use the disk imaging tool to create the destination disk either from the source disk directly or by restoring an image file of the source to the destination.

Measurement of the test results has three steps:

- 1. Compute a hash of the source disk and compare the computed hash value with the saved hash value. If the hashes are the same, then the tool has not altered the source disk.
- 2. Compare the source with the destination to determine what sectors match and the disposition of any excess destination sectors.
- 3. Examine the tool log file for any expected messages. For example, in an I/O error test, there should be a message documenting the I/O error.

6. Test Results Summary Key

A summary of the actual test results is presented in this report. The following table presents a description of each section of the test results summary.

Heading	Description
First Line	Test case ID and Name and version of software
	tested.
Case	Test case summary from Disk Imaging Tool
Summary:	Specification, Version 3.1.6.
Tester	Name or initials of person executing test procedure.
Name:	
Test Date	Time and date that test was started.
PC:	Name of computer where tool under test was executed.
Disks:	Description of the hard and removable disks used in
	the test as the source, destination, and media. The
	BIOS assigned drive number is in hexadecimal.
Source disk	Documentation of the creation of the source disk
setup:	including the disk label, the computer used for
	setup, person creating the source, time and date,
	partitions and operating systems installed, diskwipe
	command, disk hash after created, and the partition
	table for the source disk.
Destination	Documentation of the creation of the destination
Setup:	disk including the diskwipe command and a listing of
	the partition table if required for the test.
Error	Support software commands executed to setup either
Setup:	an I/O error or to corrupt an image file.
Execute:	Documentation of each command executed during the
	test.
Log files	Name and location of the log files in the test file

June 2003 32 of 218 SafeBack 2.18

Heading	Description		
loc:	archive.		
Expected	Expected results listed in Disk Imaging Tool		
Results:	Specification, Version 3.1.6.		
Actual	List of any anomalies observed.		
Results:			
Log File	Selected entries from three of the test case log		
Highlights:	files:		
	Comparison of source and destination.		
	Hash of the source after test.		
	Any relevant messages logged during the test run.		
Analysis:	Whether the expected results were achieved.		

7. Interpretation of Test Results

There are six main questions of interest when examining the results of a test case:

- Is the source disk unchanged?
- Has the correct number of sectors been copied?
- Has the tool alerted the user to a destination smaller than the source?
- Has the tool handled excess destination sectors correctly as specified?
- Has the tool detected changes to an image file?
- Has the tool alerted the user to any I/O errors?

7.1 Source Disk

The integrity of the source disk is checked by comparing the hash of the source disk computed before any tests are run with the hash computed after the tool is used. If the two hash values are not the same, then there has been a change to the source disk by the tool. The reference hash is recorded in the **Source Disk Setup** box and the hash computed after the tool is run is recorded in the **Log File Highlights** box.

7.2 Number of Sectors Copied

The number of sectors that should be copied is the minimum of the number of source sectors and the number of destination sectors. This value can be found on the *sectors compared* line of the **Log File Highlights** box. If the next line of the **Log File Highlights** box, *sectors differ*, is not zero, then the tool did not correctly copy all the sectors that should have been copied. The LBAs of the first few sectors not copied correctly are listed on the *diffs range* line.

The number of sectors in the source and destination can be determined as follows: If the tool operated on an entire disk, then the size of the source and destination can be found in the **Disks** box. If the tool operated on a single partition, then the partition sizes are presented in the *partition tables* in the **Log File Highlights** box. The partitions used in the test are identified in the /select option parameters to the **PARTCMP** program execution presented in the **Execute**

June 2003 33 of 218 SafeBack 2.18

box. The /select option is followed by two parameters: the partition numbers of the source and destination partitions.

7.3 Small Destination Detection

The tool should issue a message indicating that the destination is smaller than the source for any test case defined for a smaller destination. Such a test case would have the phrase "source . . . larger than the destination" in the **Case Summary** box. A message indicating "destination . . . is smaller or Insufficient . . . space" should be present in the **Log File Highlights** box.

7.4 Excess Sectors

For disk operations, the tool should either zero backfill (set to zero) excess sectors or leave the content as is depending on the *menu specification*. The setting of the menu specification and other values referred to can be found in the **Log File Highlights** box. There should be an entry labeled *Backfill on restore* to specify the tool action. The tool action can be verified by the entries labeled *Zero fill* and *Dst byte fill*, giving the count of sectors in each category. If backfill is enabled (*YES*), the number of zero-filled sectors should be the same as the number of excess sectors, and the value for *Dst byte fill* should be zero. If backfill is not enabled (*NO*), the number of zero-filled sectors should be zero, and the value for *Dst byte fill* should be the same as the number of excess sectors. The number of excess sectors is indicated by the line with the text "... [number of excess sectors] fewer sectors"

7.5 Changes to an Image File

The **Error Setup** box presents the command used to change the image file. If the tool detects that the image file has been changed, then the **Log File Highlights** box has a message indicating *CRC Mismatch*.

7.6 I/O Errors

The **Error Setup** box presents the command used to setup an I/O error. If the tool detects the I/O error, the **Log File Highlights** box has a message indicating the type and location of the error.

8. Test Results Summaries

Case DI-001 for SafeBack 2.18			
Case Summary:	Copy a BIOS-IDE source disk		
	to a BIOS-IDE destination disk		
	where the source disk is smaller than the destination		
Tester Name:	JRL		
Test Date:	Mon Oct 15 14:54:19 2001		
PC:	Beta3		
Disks:	Source: DOS Drive 80 Physical Label B5		
	Destination: DOS Drive 81 Physical Label DB		
	Image media: DOS Drive 82 Physical Label none		
	B5 is a WDC AC21600H with 3173184 sectors		
	DB is a Fujitsu MPE3064AT with 12672450 sectors		

Case DI-001 for SafeBack 2.18	
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-001 Beta3 81 DB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-001 Beta3 80 /all /new_log /comment JRL(B5)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-001 Beta3 80 B5 81 DB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-001 Beta3 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-001
loc:	
Log File	Safeback log: DI-001/SB_001C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 15, 2001 15:14.
	15:14:54 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	15:15:11 Copy from Local drive 0: to local drive 1:
	15:15:20 Copy of Local drive 0: to drive 1: begun on Oct 15, 2001 15:15
	15:15:20 Local SafeBack is running on DOS 6.30
	15:15:20 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64
	Destination drive 1:
	Capacity6181 MB
	Cylinders788
	Heads255
	15:30:57 Copy of drive 0: to drive 1: completed on Oct 15, 2001 15:30
	SafeBack execution ended on Oct 15, 2001 15:32.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 9499266 fewer sectors than destination (12672450) Zero fill: 9486036
	Src Byte fill (B5): 0 Dst Byte fill (DB): 13230
	Other fill: 0
	Other no fill: 0
Ermoated	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual Results:	BIOS anomaly, Backfill anomaly
Analysis:	Expected results not achieved
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Case DI-002 for SafeBack 2.18	
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on

Case DI-002 for	r SafeBack 2.18
Tester Name:	JRL
Test Date:	Tue Oct 16 08:50:47 2001
PC:	Beta1
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label BA
	Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors
	BA is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	and 7. an DICYMIDE EVE DE TudanDoo 90 DE /ava /nou los
	<pre>cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new log
	- C. M. D. DIDIMINDIT. EME DJ OUGGEDEE OU /DETOTE / HEW_TOG
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-002 Betal 81 BA /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-002 Beta1 80 /all /new_log /comment JRL(B5)
21100000	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-002 Beta1 80 B5 81 BA /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-002 Beta1 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-002
loc:	
Log File	Safeback log: DI-002/SB_002C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 16, 2001 09:00.
	09:01:00 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: Yes
	09:01:11 Copy from Local drive 0: to local drive 1:
	09:01:17 Copy of Local drive 0: to drive 1: begun on Oct 16, 2001 09:01
	09:01:17 Local SafeBack is running on DOS 6.30
	09:01:17 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB Cylinders787
	Heads64
	Destination drive 1:
	Capacity3079 MB
	Cylinders782
	Heads128
	09:13:21 Copy of drive 0: to drive 1: completed on Oct 16, 2001 09:13
	SafeBack execution ended on Oct 16, 2001 09:15.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 3132864 fewer sectors than destination (6306048)
	Zero fill: 3132864
	Src Byte fill (B5): 0
	Dst Byte fill (BA): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Expected Results: Actual	Source disk is unchanged src compares qualified equal to dst No anomalies

Case DI-002 for SafeBack 2.18	
Results:	
Analysis:	Expected results achieved

Case DI-003 for	r SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is smaller than the destination and cylinder adjustment is turned on
Tester Name:	JRL
Test Date:	Fri Oct 19 09:54:04 2001
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label DB
	Image media: DOS Drive 82 Physical Label none
	Al is a Quantum Sirooco1700A with 3335472 sectors DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	2000 100 000 10 11 11 10 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-003 Beta3 81 DB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-003 Beta3 80 /all /new_log /comment JRL(A1)
	z:\sb\master (copy)
	Z:\ss\ADJCMP.EXE DI-003 Beta3 80 A1 81 DB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-003 beta3 80 /comment JRL(A1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-003
loc:	3333 3333 37 38 37 37 37 37 37 37 37 37 37 37 37 37 37
Log File	Source Disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd) 3330432 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	x 000762048 000185472 0544/000/01 0589/063/63 05 extended S 000000063 000185409 0544/001/01 0589/063/63 16 other
	S 000000000 000000000 0000/000/00 00 empty entry
	P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination Disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0786/254/63 (max cyl/hd values) Interrupt 13 ext 00787/255/63 (number of cyl/hd)
	12643155 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	X 001438605 001340640 0089/140/01 0172/254/63 05 extended
	S 000000063 000216027 0089/141/01 0102/254/63 83 Linux
	x 000216090 000160650 0103/000/01 0112/254/63
	S 000000063 000160587 0103/001/01 0112/254/63 06 Fat16 x 000788004 000199206 0138/153/01 0150/254/63 05 extended
	S 000000063 000199143 0138/154/01 0150/254/63 16 other
	S 000000000 000000000 0000/000/00 00 empty entry
1	1

Case DI-003 for	SafeBack 2.18
	P 002779245 000080325 0173/000/01 0177/254/63 83 Linux
	P 002996658 000425187 0186/136/01 0212/254/63 82 Linux swap
	Safeback log: DI-003/SB_003C.TXT
	SafeBack 2.18 13Feb01 execution started on Oct 19, 2001 10:11.
	10:11:54 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: Auto
	Backfill on restore: No
	10:12:11 Copy from Local drive 0: to local drive 1:
	10:12:17 Copy of Local drive 0: to drive 1: begun on Oct 19, 2001 10:12
	10:12:17 Local SafeBack is running on DOS 6.30
	10:12:17 Partition table for drive 0:
	Source drive 0:
	Capacity1628 MB
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity6181 MB
	Cylinders788
	Heads255
	10:20:20 Partition table for drive 1:
	10:20:21 Copy of drive 0: to drive 1: completed on Oct 19, 2001 10:20
	SafeBack execution ended on Oct 19, 2001 10:33.
	= = = Measurement Logs = = = =
	Cylinder adjustment/alignment Summary
	Boot tracks 4 252 diffs 4
	Partitions 6 2241540 diffs 9 Unallocated 5 1093680 diffs 1009
	Unallocated 5 1093680 diffs 1009
	Total src sectors 3335472
	Partition excess 76671 zero 74189 non-zero 2482
	Disk excess 9260307 zero 10363 non-zero 9249944
	Total dst sectors 12672450
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Cylinder Alignment anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-004 for	: SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
	and cylinder adjustment is turned on
Tester Name:	JRL
Test Date:	Thu Oct 18 08:53:08 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label DB
	Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log

Case DI-004 fo	or SafeBack 2.18
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-004 Beta4 81 DB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-004 Beta4 80 /all /new_log /comment JRL(B5)
	z:\sb\master (copy)
	Z:\ss\ADJCMP.EXE DI-004 Beta4 80 B5 81 DB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-004 beta4 80 /comment JRL(B5) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-004
Log File	Source Disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0785/063/63 (max cyl/hd values)
	Interrupt 13 ext 00786/064/63 (number of cyl/hd) 3169152 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	X 001431360 001128960 0355/000/01 0634/063/63 05 extended
	S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	S 000000063 000185409 0544/001/01 0589/063/63 16 other
	S 000000000 00000000 0000/000/00 0000/000/00 00
	P 002560320 000064512 0635/000/01 0650/063/63 83 Linux
	P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap Destination Disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0786/254/63 (max cyl/hd values)
	Interrupt 13 ext 00787/255/63 (number of cyl/hd)
	12643155 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	x 001438605 001179990 0089/140/01 0162/254/63 05 extended
	S 000000063 000216027 0089/141/01 0102/254/63 83 Linux
	x 000216090 000160650 0103/000/01 0112/254/63 05 extended
	S 000000063 000160587 0103/001/01 0112/254/63 06 Fat16
	x 000788004 000199206 0138/153/01 0150/254/63
	S 000000063 000199143 0138/154/01 0150/254/63 16 other S 000000000 000000000 0000/000/00 0000/000/00 00
	S 000000000 00000000 0000/000/00 0000/000/00 00
	P 002836008 000425187 0176/136/01 0202/254/63 82 Linux swap
	Safeback log: DI-004/SB_004C.TXT
	SafeBack 2.18 13Feb01 execution started on Oct 18, 2001 09:20.
	09:20:32 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: Auto Backfill on restore: Yes
	09:20:40 Copy from Local drive 0: to local drive 1:
	09:20:46 Copy of Local drive 0: to drive 1: begun on Oct 18, 2001 09:20
	09:20:46 Local SafeBack is running on DOS 6.30
	09:20:46 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64 Destination drive 1:
	Capacity6181 MB
	Cylinders788
	Heads255
	09:36:25 Partition table for drive 1:
	09:36:26 Copy of drive 0: to drive 1: completed on Oct 18, 2001 09:36
	SafeBack execution ended on Oct 18, 2001 09:37.
	= = = = Measurement Logs = = = =
	Cylinder adjustment/alignment Summary
	Boot tracks 4 252 diffs 4
	Partitions 6 2241540 diffs 9
	Unallocated 4 931392 diffs 1
	Total src sectors 3173184

Case DI-004 for	SafeBack 2.18
	Partition excess 76671 zero 74189 non-zero 2482
	Disk excess 9422595 zero 9408998 non-zero 13597
	Total dst sectors 12672450
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Cylinder Alignment anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-005 for	SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
•	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Mon Oct 07 12:08:32 2002
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 80 Physical Label none Al is a Ouantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-005 Beta3 81 D7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\baddisk 80 9 2 47 2 10 > a:\err-005.txt Z:\ss\baddisk 80 9 2 47 10 10 >> a:\err-005.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00009/00002/00047
	return code 00010 on command 00010 from disk 00080
	at address 00009/00002/00047
Execute:	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-005 Beta3 80 A1 81 D7 /new_log /comment JRL
Tog files	Z:\ss\DISKHASH.EXE DI-005 JudgeDee 80 /comment A1(JRL) /new_log /after test-archive/sb/sb-2.18/DI-005
Log files loc:	cest-alchive/SD/SD-2.10/D1-003
Log File	Safeback log: DI-005/SB_005C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 7, 2002 12:18.
J J	12:18:49 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	12:18:59 Copy from Local drive 0: to local drive 1: 12:19:04 Copy of Local drive 0: to drive 1: begun on Oct 7, 2002 12:19
	12:19:04 Copy of Local drive 0: to drive 1: begun on oct 7, 2002 12:19 12:19:04 Local SafeBack is running on DOS 7.10
	12:19:04 Partition table for drive 0:
	Source drive 0:
	Capacity1628 MB

Case DI-005 for	SafeBack 2.18
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity1628 MB
	Cylinders827
	Heads64
	12:19:10 While reading drive 0: a sector flagged bad error (status 0a) occurred:
	at relative sector 36460 (Cylinder 9, Head 2, Sector 47)
	12:27:39 Copy of drive 0: to drive 1: completed on Oct 7, 2002 12:27 SafeBack execution ended on Oct 7, 2002 12:29.
	= = = Measurement Logs = = = =
	Sectors Compared 3335472
	Sectors Differ 1009
	Diffs range 36460, 3334464-3335471
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	BIOS anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-006 for	SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
•	to a BIOS-IDE destination disk
<u> </u>	where the source disk is the same size as the destination
<u> </u>	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Mon Oct 07 13:50:36 2002
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 80 Physical Label none
<u> </u>	Al is a Quantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
<u> </u>	Host: JudgeDee
	Operator: JRL
<u> </u>	OS: Windows/Me
<u> </u>	Options: Typical
i l	Date: Tue Oct 16 11:24:16 2001
i	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-006 Beta3 81 D7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\baddisk 81 8 63 3 3 10 > a:\err-006.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00008/00063/00003
Execute:	z:\sb\master (copy)
i	Z:\ss\DISKCMP.EXE DI-006 Beta3 80 A1 81 D7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-006 JudgeDee 80 /comment A1(JRL) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-006
Log File	Safeback log: DI-006/SB_006C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 7, 2002 14:04.
JJ	14:04:59 Menu selections:

Case DI-006 for	SafeBack 2.18	
	Direct access: No	
	Use XBIOS: No	
	Adjust partitions: No	
	Backfill on restore: No	
	14:05:10 Copy from Local drive 0: to local drive 1:	
	14:05:13 Copy of Local drive 0: to drive 1: begun on Oct 7, 2002 14:05	
	14:05:13 Local SafeBack is running on DOS 7.10	
	14:05:13 Partition table for drive 0:	
	Source drive 0:	
	Capacity1628 MB	
	Cylinders827	
	Heads64	
	Destination drive 1:	
	Capacity1628 MB	
	Cylinders827	
	Heads64	
	14:05:19 While writing drive 1:, a sector flagged bad error (status 0a)	
	occurred	
	at relative sector 36227 (Cylinder 8, Head 63, Sector 3)	
	14:13:48 Copy of drive 0: to drive 1: completed on Oct 7, 2002 14:13	
	SafeBack execution ended on Oct 7, 2002 14:26.	
	= = = Measurement Logs = = = =	
	Sectors Compared 3335472	
	Sectors Differ 1076	
	Diffs range 36227-36294, 3334464-3335471 Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F	
Expected	Source disk is unchanged	
Results:	src compares qualified equal to dst	
TODULED.	error message logged	
Actual	BIOS anomaly	
Results:	Dio anomij	
	Expected results not achieved	
Analysis:	Expected results not achieved	

Case DI-007 fo	r SafeBack 2.18		
Case Summary:	Copy a BIOS-IDE source disk		
	to a BIOS-IDE destination disk		
	where the source disk is the same size as the destination		
Tester Name:	JRL		
Test Date:	Thu Oct 18 13:45:57 2001		
PC:	Beta3		
Disks:	Source: DOS Drive 80 Physical Label A1		
	Destination: DOS Drive 81 Physical Label D7		
	Image media: DOS Drive 82 Physical Label none		
	Al is a Quantum Sirooco1700A with 3335472 sectors		
	D7 is a Quantum Sirooco1700A with 3335472 sectors		
	Jaz disk with partition magic and scripts		
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	Linux EXT2 & DOS Fat16		
setup:	Disk: Al		
	Host: JudgeDee		
	Operator: JRL		
	OS: Windows/Me		
	Options: Typical		
	Date: Tue Oct 16 11:24:16 2001		
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log		
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt		
	Load Operating System to Source disk		
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log		
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F		
Destination	Z:\ss\DISKWIPE.EXE DI-007 Beta3 81 D7 /noask /dst /new_log /comment JRL		
Setup:	No partition table defined		
Error Setup:	none		
Execute:	Z:\ss\PARTAB.EXE DI-007 Beta3 80 /all /new_log /comment JRL(A1)		
	z:\sb\master (copy)		
	Z:\ss\DISKCMP.EXE DI-007 Beta3 80 A1 81 D7 /new_log /comment JRL		
	Z:\ss\DISKHASH.EXE DI-007 beta3 80 /comment JRL(A1) /new_log /after		

Case DI-007 for	SafeBack 2.18			
Log files	test-archive/sb/sb-2.18/DI-007			
loc:				
Log File	Safeback log: DI-007/SB_007C.TXT			
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 18, 2001 14:08.			
	14:08:46 Menu selections:			
	Function: Copy			
	Direct access: No			
	Use XBIOS: No			
	Adjust partitions: No			
	Backfill on restore: No			
	14:08:59 Copy from Local drive 0: to local drive 1:			
	14:09:04 Copy of Local drive 0: to drive 1: begun on Oct 18, 2001 14:09			
	14:09:04 Local SafeBack is running on DOS 6.30			
	14:09:04 Partition table for drive 0:			
	Source drive 0:			
	Capacity1628 MB			
	Cylinders827			
	Heads64			
	Destination drive 1:			
	Capacity1628 MB			
	Cylinders827			
	Heads64			
	14:17:54 Copy of drive 0: to drive 1: completed on Oct 18, 2001 14:17			
	SafeBack execution ended on Oct 18, 2001 14:18.			
	= = = Measurement Logs = = = =			
	Sectors Compared 3335472			
	Sectors Differ 1008			
	Diffs range 3334464-3335471			
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F			
Expected	Source disk is unchanged			
Results:	src compares equal to dst			
Actual	BIOS anomaly			
Results:				
Analysis:	Expected results not achieved			

Case DI-008 fo	r SafeBack 2.18			
Case Summary:	Copy a BIOS-IDE source disk			
	to a BIOS-IDE destination disk			
	where the source disk is larger than the destination			
Tester Name:	JRL			
Test Date:	Tue Oct 23 13:50:52 2001			
PC:	Beta3			
Disks:	Source: DOS Drive 80 Physical Label A1			
	Destination: DOS Drive 81 Physical Label B9			
	Image media: DOS Drive 82 Physical Label none			
	Al is a Quantum Siroocol700A with 3335472 sectors			
	B9 is a WDC AC21600H with 3173184 sectors			
	Jaz disk with partition magic and scripts			
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2			
Source disk	Linux EXT2 & DOS Fat16			
setup:	Disk: Al			
	Host: JudgeDee			
	Operator: JRL			
	OS: Windows/Me			
	Options: Typical			
	Date: Tue Oct 16 11:24:16 2001			
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log			
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt			
	Load Operating System to Source disk			
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log			
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F			
Destination	Z:\ss\DISKWIPE.EXE DI-008 Beta3 81 B9 /noask /dst /new_log /comment JRL			
Setup:	No partition table defined			
Error Setup:	none			
Execute:	Z:\ss\PARTAB.EXE DI-008 Beta3 80 /all /new_log /comment JRL(A1)			
	z:\sb\master (copy)			

Case DI-008 for	SafeBack 2.18			
	Z:\ss\DISKCMP.EXE DI-008 Beta3 80 A1 81 B9 /new_log /comment JRL			
	Z:\ss\DISKHASH.EXE DI-008 beta3 80 /comment JRL(A1) /new_log /after			
Log files	test-archive/sb/sb-2.18/DI-008			
loc:				
Log File	Safeback log: DI-008/SB_008C.TXT			
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 23, 2001 13:57.			
	13:58:11 Menu selections:			
	Function: Copy			
	Direct access: No			
	Use XBIOS: No			
	Adjust partitions: No			
	Backfill on restore: No			
	13:58:24 Copy from Local drive 0: to local drive 1:			
	13:58:24 Insufficient destination file space projected.			
	13:58:34 Copy of Local drive 0: to drive 1: begun on Oct 23, 2001 13:58			
	13:58:34 Local SafeBack is running on DOS 6.30			
	13:58:34 Partition table for drive 0:			
	Source drive 0:			
	Capacity1628 MB			
	Cylinders827			
	Heads64			
	Destination drive 1:			
	Capacity1549 MB			
	Cylinders787			
	Heads64			
	14:08:41 Copy of drive 0: to drive 1: completed on Oct 23, 2001 14:08			
	SafeBack execution ended on Oct 23, 2001 14:09.			
	= = = Measurement Logs = = = =			
	Sectors Compared 3173184 Sectors Differ 0			
	Diffs range			
	Source (3335472) has 162288 more sectors than destination (3173184)			
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F			
Expected	Source disk is unchanged			
Results:	src compares qualified equal to dst, src is truncated on dst			
	truncation is logged			
Actual	No anomalies			
Results:				
Analysis:	Expected results achieved			

G DT 000 f	4 4 5 P 1 0 10
Case DI-009 for	
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT12 partition
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Sat Mar 09 17:50:38 2002
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label A4
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 82 Physical Label none
	A4 is a Quantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Fat12 only
setup:	Disk: A4
_	Host: Beta7
	Operator: BJL
	OS: none
	Options: FAT12
	Date: Fri Mar 08 16:17:24 2002
	cmd: Z:\ss\DISKWIPE.EXE A4 Beta7 80 A4 /src /new log
	X:\pm\pqmaqic /cmd=X:\pm\f12-src.txt
	No OS loaded, FAT12 partition only
	cmd: Z:\ss\DISKHASH.EXE A4 Beta7 80 /before /new log
	Disk hash = 95C65798A1068A5BB47AC55C5D34F7BCDCF926E6
	220. 100. 2000. 2011. 201

Case DI-009 for	r SafeBack 2.18		
Destination	Z:\ss\DISKWIPE.EXE DI-009 Beta7 81 D7 /noask /dst /new_log /comment JRL		
Setup:	X:\PM\PQMAGIC /cmd=A:\PM\D12L-SS.txt		
	N Start LBA Length Start C/H/S End C/H/S boot Partition type		
	1 P 000000063 000020097 0000/001/01 0004/063/63		
Error Setup:	none		
Execute:	Z:\ss\PARTAB.EXE DI-009 Beta7 80 /all /new_log /comment JRL(D7) Z:\ss\PARTAB.EXE DI-009 Beta7 81 /all /new log /comment JRL(D7)		
	z:\sb\master (copy)		
	Z:\ss\PARTCMP.EXE DI-009 Beta7 80 A4 81 D7 /new_log /comment JRL /select		
	1 1		
	Z:\ss\DISKHASH.EXE DI-009 Beta7 80 /comment JRL(A4) /new_log /after		
Log files	test-archive/sb/sb-2.18/DI-009		
Log File	Source disk Drive Ov80 RIOS: Legacy		
Highlights:	Source disk Drive 0x80, BIOS: Legacy Interrupt 13 bios 0825/063/63 (max cyl/hd values)		
1119111191100	Interrupt 13 bios 0025/005/03 (max cyl/hd values) Interrupt 13 ext 00826/064/63 (number of cyl/hd)		
	3330432 total number of sectors reported via interrupt 13 from the BIOS		
	N Start LBA Length Start C/H/S End C/H/S boot Partition type		
	1 P 000000063 000016065 0000/001/01 0003/063/63		
	2 P 000000000 000000000 0000/000/00 0000/000/00 00		
	4 P 000000000 000000000 0000/000/00 0000/000/00 00		
	Destination disk Drive 0x81, BIOS: Legacy		
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)		
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)		
	3330432 total number of sectors reported via interrupt 13 from the BIOS		
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 000020097 0000/001/01 0004/063/63 01 Fat12		
	1 P 000000063 000020097 0000/001/01 0004/063/63		
	3 P 000000000 000000000 0000/000/00 0000/000/00 00		
	4 P 000000000 000000000 0000/000/00 0000/000/00 00		
	Safeback log: DI-009/SB_009C.TXT		
	SafeBack 2.18 13Feb01 execution started on Mar 9, 2002 18:05.		
	18:05:52 Menu selections:		
	Function: Copy Direct access: No		
	Use XBIOS: No		
	Adjust partitions: No		
	Backfill on restore: No		
	18:06:11 Copy from Local drive C: to local drive D:		
	18:06:21 Partition/Boot information saved to A:\PT.SPS.		
	18:06:22 Copy of Local drive C: to drive D: begun on Mar 9, 2002 18:06 18:06:22 Local SafeBack is running on DOS 6.30		
	Source drive C:		
	Capacity8 MB		
	Cylinders3		
	Heads64		
	Destination drive D:		
	Capacity10 MB Cylinders4		
	Heads64		
	18:06:25 Copy of drive C: to drive D: completed on Mar 9, 2002 18:06		
	SafeBack execution ended on Mar 9, 2002 18:06.		
	= = = Measurement Logs = = = =		
	Sectors Compared 16065 Sectors Differ 0		
	Diffs range:		
	Source (16065) has 4032 fewer sectors than destination (20097)		
	Zero fill: 0		
	Src Byte fill (A4): 0		
	Dst Byte fill (D7): 4032		
	Other fill: 0		
	Other no fill: 0 Hash after test: 95C65798A1068A5BB47AC55C5D34F7BCDCF926E6		
Expected	Source disk is unchanged		
Results:	src compares qualified equal to dst		
Actual	Backfill anomaly		
Results:			
Analysis:	Expected results not achieved		

Case DI-010 for	r SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is smaller than the destination
Tester Name:	and sector fill is turned on JRL
Test Date:	Mon Nov 05 12:08:28 2001
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label B9
	Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors B9 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Cilia 2 1 \bb \DIDIGIADII. HAB D3 0 dagebee 00 / belole / new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-010 Beta3 81 B9 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-SS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001334529 0000/001/01 0330/063/63 06 Fat16
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-010 Beta3 80 /all /new_log /comment JRL(B9)
	Z:\ss\PARTAB.EXE DI-010 Beta3 81 /all /new_log /comment JRL(B9)
	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-010 Beta3 80 B5 81 B9 /new_log /comment JRL /select 1 1
	Z:\ss\DISKHASH.EXE DI-010 beta4 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-010
loc:	
Log File Highlights:	Source disk Drive 0x80, BIOS: Legacy Interrupt 13 bios 0785/063/63 (max cyl/hd values)
migningnes.	Interrupt 13 ext 00786/064/63 (number of cyl/hd)
	3169152 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001128960 0355/000/01 0634/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux 4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	6 x 000762048 000185472 0544/000/01 0589/063/63
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002560320 000064512 0635/000/01 0650/063/63 83 Linux 10 P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0785/063/63 (max cyl/hd values)
	Interrupt 13 ext 00786/064/63 (number of cyl/hd)
	3169152 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001334529 0000/001/01 0330/063/63 06 Fat16
	2 P 000000000 00000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-010/SB_010C.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 5, 2001 11:33.

Case DI-010 for	SafeBack	2.18			
	11:34:14	Menu selections:			
		Function:	Copy		
		Direct access:	No		
		Use XBIOS:	No		
		Adjust partitions:			
		Backfill on restore:			
		Copy from Local drive C:			
		Partition/Boot informatio	•		
			drive D: begun on Nov 5, 2001 11:34		
	11:34:51	Local SafeBack is running	on DOS 6.30		
		Source drive C:			
		Capacity600 MB			
		Cylinders304			
		Heads64			
	Destination drive D:				
	Capacity652 MB				
		Cylinders330			
	Heads64				
	11:42:06 Copy of drive C: to drive D: completed on Nov 5, 2001 11:42				
	SafeBack execution ended on Nov 5, 2001 11:42.				
	= = = Measurement Logs = = = =				
	Sectors Compared 1229697				
	Sectors D				
	Diffs ran	9	(1224500)		
	Zero fill	•	ectors than destination (1334529)		
		•			
	Src Byte fill (B5): 0				
	Dst Byte fill (B9): 104832 Other fill: 0				
	Other no fill: 0				
	Other no fill: 0 Hash after test: BD4140E6924156E1870E00983701405645359A00				
Expected	Source disk is unchanged				
Results:	src compares qualified equal to dst				
Actual	Backfill anomaly				
Results:	DACKLITT ANOMALY				
Analysis:	Expected	results not achieved			
111017010.	LAPCCCEU	TEDATED HOL GUITEVEG			

	Case DI-014 for SafeBack 2.18		
Case Summary:	Copy a BIOS-IDE source disk		
	to a BIOS-IDE destination disk		
	and the source contains a FAT16 partition		
	where the source disk is the same size as the destination		
	Introduce a read error from the source.		
Tester Name:	JRL		
Test Date:	Sun Jun 16 15:58:57 2002		
PC:	Beta3		
Disks:	Source: DOS Drive 80 Physical Label B5		
	Destination: DOS Drive 81 Physical Label A4		
	Image media: DOS Drive 80 Physical Label none		
	B5 is a WDC AC21600H with 3173184 sectors		
	A4 is a Quantum Sirooco1700A with 3335472 sectors		
	Jaz disk with partition magic and scripts		
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	Linux EXT2 & DOS Fat16		
setup:	Disk: B5		
	Host: JudgeDee		
	Operator: JRL		
	OS: Windows/Me		
	Options: Typical		
	Date: Mon Oct 15 11:18:11 2001		
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log		
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt		
	Load Operating System to Source disk		
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log		
	Disk hash = BD4140E6924156E1870E00983701405645359A00		
Destination	Z:\ss\DISKWIPE.EXE DI-014 Beta3 81 A4 /noask /dst /new_log /comment JRL		
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-ES.txt		

Case DI-014 for	CofoDock 2 10		
Case DI-014 101	See CMPPTLOG.TXT for partition table		
Error Setup:	Z:\ss\baddisk 80 6 11 43 2 10 > a:\err-014.txt		
HITOI Becap	Z:\ss\baddisk 80 6 11 43 10 10 >> a:\err-014.txt		
	Version 3.2 Created 06/05/02 at 13:50:39		
	baddisk compiled on 06/05/02 at 12:19:31		
	return code 00010 on command 00002 from disk 00080		
	at address 00006/00011/00043		
	return code 00010 on command 00010 from disk 00080		
	at address 00006/00011/00043		
Execute:	z:\sb\master (copy)		
	Z:\ss\PARTCMP.EXE DI-014 Beta3 80 B5 81 A4 /new_log /comment JRL /select		
	1 1		
Log files	Z:\ss\DISKHASH.EXE DI-014 JudgeDee 80 /comment JRL(B5) /new_log /after test-archive/sb/sb-2.18/DI-014		
loc:	test-archive/sb/sb-2.10/bi-014		
Log File	Source disk Drive 0x80, BIOS: Legacy		
Highlights:	Interrupt 13 bios 0785/063/63 (max cyl/hd values)		
inightightes.	Interrupt 13 ext 00786/064/63 (number of cyl/hd)		
	3169152 total number of sectors reported via interrupt 13 from the BIOS		
	N Start LBA Length Start C/H/S End C/H/S boot Partition type		
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16		
	2 X 001431360 001128960 0355/000/01 0634/063/63		
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux		
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended		
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16		
	6 x 000762048 000185472 0544/000/01 0589/063/63		
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other		
	8 S 000000000 000000000 0000/000/00 0000/000/00 00		
	9 P 002560320 000064512 0635/000/01 0650/063/63 83 Linux		
	10 P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap		
	Destination disk Drive 0x81, BIOS: Legacy		
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)		
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)		
	3330432 total number of sectors reported via interrupt 13 from the BIOS		
	N Start LBA Length Start C/H/S End C/H/S boot Partition type		
	1 P 000000063 001229697 0000/001/01 0304/063/63		
	2 P 000000000 000000000 0000/000/00 0000/000/00 00		
	3 P 000000000 000000000 0000/000/00 0000/000/00 00		
	Safeback log: DI-014/SB_014C.TXT		
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 16:18.		
	16:18:47 Menu selections:		
	Function: Copy		
	Direct access: No		
	Use XBIOS: Auto		
	Adjust partitions: Auto		
	Backfill on restore: Yes		
	16:18:57 Copy from Local drive C: to local drive D:		
	16:19:02 Partition/Boot information saved to A:\PT.SPS.		
	16:19:03 Copy of Local drive C: to drive D: begun on Jun 16, 2002 16:19 16:19:03 Local SafeBack is running on DOS 7.10		
	Source drive C:		
	Capacity600 MB		
	Cylinders304		
	Heads64		
	Destination drive D:		
	Capacity600 MB		
	Cylinders304		
	Heads64		
	16:19:10 While reading drive C: a bad address mark error (status 02)		
	occurred:		
	at relative sector 24864 (Cylinder 6, Head 10, Sector 43)		
	16:22:21 Copy of drive C: to drive D: completed on Jun 16, 2002 16:22		
	SafeBack execution ended on Jun 16, 2002 16:28.		
	= = = = Measurement Logs = = = =		
	Sectors Compared 1229697		
	Sectors Differ 1		
	Diffs range: 24864		
	Hash after test: BD4140E6924156E1870E00983701405645359A00		
Expected	Source disk is unchanged		

Case DI-014 for SafeBack 2.18	
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-015 for	SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
case summary.	to a BIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Sun Jun 16 16:11:02 2002
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 80 Physical Label none
	F1 is a Ouantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
	Disk: F1
setup:	
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	and relativistic property of the property of the state of
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	<pre>cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log</pre>
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-015 Beta7 81 D7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32L-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 81 0 27 60 3 10 > a:\err-015.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00000/00027/00060
Execute:	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-015 Beta7 80 F1 81 D7 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-015 Beta7 80 /comment F1(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-015
loc:	test archive/sb/sb/sb/2.10/DI vis
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
Highlights.	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)

Case DI-015 for	r SafeBack 2.18
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-015/SB_015C.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 16:30.
	16:30:17 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	16:30:24 Copy from Local drive C: to local drive D:
	16:30:28 Partition/Boot information saved to A:\PT.SPS.
	16:30:29 Copy of Local drive C: to drive D: begun on Jun 16, 2002 16:30
	16:30:29 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity600 MB
	Cylinders304
	Heads64
	16:30:31 While writing drive D:, a bad address mark error (status 02)
	occurred
	at relative sector 1697 (Cylinder 0, Head 26, Sector 60)
	16:33:01 Copy of drive C: to drive D: completed on Jun 16, 2002 16:33
	SafeBack execution ended on Jun 16, 2002 16:38.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 89
	Diffs range: 1, 1697-1784
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

G DT 016 5	g-f-p
Case DI-016 for	
Case Summary:	Copy a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Mon Nov 05 14:14:02 2001
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label B9
	Image media: DOS Drive 82 Physical Label none
	Al is a Quantum Sirooco1700A with 3335472 sectors
	B9 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
-	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: The Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk

Case DI-016 for	r SafeBack 2.18
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-016 Beta3 81 B9 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-ES.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
Error Setup: Execute:	none Z:\ss\PARTAB.EXE DI-016 Beta3 80 /all /new_log /comment JRL(B9)
Execute	Z:\ss\PARTAB.EXE DI-016 Beta3 80 /all /new_log /comment JRL(B9)
	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-016 Beta3 80 A1 81 B9 /new_log /comment JRL /select
	11
Log files	Z:\ss\DISKHASH.EXE DI-016 delta1 80 /comment JRL(A1) /new_log /after test-archive/sb/sb-2.18/DI-016
loc:	test-archive/sb/sb-2.10/br-010
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001290240 0355/000/01 0674/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy Interrupt 13 bios 0785/063/63 (max cyl/hd values)
	Interrupt 13 ext 00786/064/63 (number of cyl/hd)
	3169152 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
	3 P 000000000 00000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-016/SB_016C.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 5, 2001 13:19.
	13:19:52 Menu selections: Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No 13:20:04 Copy from Local drive C: to local drive D:
	13:20:07 Partition/Boot information saved to A:\PT.SPS.
	13:20:08 Copy of Local drive C: to drive D: begun on Nov 5, 2001 13:20
	13:20:08 Local SafeBack is running on DOS 6.30
	Source drive C:
	Capacity600 MB Cylinders304
	Heads64
	Destination drive D:
	Capacity600 MB
	Cylinders64
	13:24:02 Copy of drive C: to drive D: completed on Nov 5, 2001 13:24
	SafeBack execution ended on Nov 5, 2001 13:27.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 0 Diffs range:
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares equal to dst

Case DI-016 for SafeBack 2.18	
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Cage DT-017 for	SafeBack 2.18
Case Summary:	Copy a BIOS-IDE source disk
case summary.	to a BIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Mon Nov 19 10:54:05 2001
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 82 Physical Label none
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
-	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-017 Beta7 81 A4 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32L-BS.txt N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-017 Beta7 80 /all /new_log /comment JRL(A4)
	Z:\ss\PARTAB.EXE DI-017 Beta7 81 /all /new_log /comment JRL(A4)
	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-017 Beta7 80 F1 81 A4 /new_log /comment JRL /select
	1 1 Z:\ss\DISKHASH.EXE DI-017 beta7 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-017
loc:	0000 0100110, 00, 00 1110, 01
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32 2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	1 3 F 000000000 000000000 0000/000/00 0000/000/00 00

Case DI-017 for	SafeBack 2.18
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-017/SB_017C.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 19, 2001 11:41.
	11:42:10 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	11:42:22 Copy from Local drive C: to local drive D:
	11:42:22 Insufficient destination file space projected.
	11:42:32 Partition/Boot information saved to A:\PT.SPS.
	11:42:34 Copy of Local drive C: to drive D: begun on Nov 19, 2001 11:42
	11:42:34 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity551 MB
	Cylinders279
	Heads64
	11:44:49 Copy of drive C: to drive D: completed on Nov 19, 2001 11:44
	SafeBack execution ended on Nov 19, 2001 11:51.
	= = = Measurement Logs = = = =
	Sectors Compared 1128897
	Sectors Differ 1
	Diffs range: 1
	Source (1229697) has 100800 more sectors than destination (1128897) Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
The order of	Source disk is unchanged
Expected Results:	source disk is unchanged src compares qualified equal to dst, src is truncated on dst
KESUILS.	truncation is logged
Actual	FAT32 anomaly
Results:	FA132 anomaly
	Dimensional magnificance askinged
Analysis:	Expected results not achieved

Case DI-018 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Tue Oct 23 15:15:08 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label B6
	Destination: DOS Drive 81 Physical Label BB
	Image media: DOS Drive 82 Physical Label none
	B6 is a WDC AC21600H with 3173184 sectors
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B6
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 16:51:15 2001
	cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new_log
	Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Destination	Z:\ss\DISKWIPE.EXE DI-018 Cadfael 81 BB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-018 Cadfael 80 /all /new_log /comment JRL(B6)

Case DI-018 for	SafeBack 2.18
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-018 Cadfael 80 B6 81 BB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-018 cadfael 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-018
loc:	
Log File	Safeback log: DI-018/SB_018C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 23, 2001 15:24.
	15:25:13 Menu selections: Function: Copy
	Function: Copy Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	15:25:23 Copy from Local drive 0: to local drive 1:
	15:25:28 Copy of Local drive 0: to drive 1: begun on Oct 23, 2001 15:25
	15:25:28 Local SafeBack is running on DOS 6.30
	15:25:28 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity3079 MB
	Cylinders6256
	Heads16
	15:37:55 Copy of drive 0: to drive 1: completed on Oct 23, 2001 15:37 SafeBack execution ended on Oct 23, 2001 15:38.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864
	Src Byte fill (B6): 0
	Dst Byte fill (BB): 0
	Other fill: 0
	Other no fill: 0
T	Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual Results:	Backfill anomaly
	Expected results not achieved
Analysis:	pybecred resurce not genraved

Case DI-019 for	- SafoRack 2 18
Case Summary:	Copy an XBIOS-IDE source disk to an XBIOS-IDE destination disk where the source disk is smaller than the destination and sector fill is turned on
Tester Name:	JRL
Test Date:	Thu Oct 25 13:39:50 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label B6 Destination: DOS Drive 81 Physical Label BB Image media: DOS Drive 82 Physical Label none B6 is a WDC AC21600H with 3173184 sectors BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk setup:	Linux EXT2 & DOS Fat16 Disk: B6 Host: JudgeDee Operator: JRL OS: Windows/Me Options: Typical Date: Thu Oct 18 16:51:15 2001 cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log X:\pm\pqmagic /cmd=X:\pm\nex-src.txt

Load Operating System to Source disk cmd: Z:\ss\DISKMASH.EXE B6 Judgebee 80 / before / new_log	Case DI-019 for	SafeBack 2.18
Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071		Load Operating System to Source disk
Destination		cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new_log
Destination		Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Setup: No partition table defined	Destination	
Error Setup: Execute: Z:\ss\PARTAB.EXE DI-019 Cadfael 80 /all /new_log /comment JRL(B6) z:\ss\DISKCMP.EXE DI-019 Cadfael 80 B6 81 BB /new_log /comment JRL Z:\ss\DISKAMSH.EXE DI-019 Cadfael 80 /comment JRL(B6) /new_log /after Log files loc: Log files log File Highlights: SafeBack log: DI-019/SB_019C.TXT		_ : : : = = =
Execute: 2:\ss\PARTAB.EXE DI-019 Cadfael 80 /all /new_log /comment JRL(B6) 2:\ss\DisKMP.EXE DI-019 Cadfael 80 B6 81 BB /new_log /comment JRL 2:\ss\DisKMP.EXE DI-019 Cadfael 80 /comment JRL(B6) /new_log /after 2:\ss\DisKMP.EXED DI-019 cadfael 80 /comment JRL(B6) /new_log /after 2:\ss\DisKMP.EXED DI-013 cadfael 80 /comment DI-013 cadfael 80 /comment DI-0		-
z:\sb\master (copy)	•	
Z:\ss\DISKCMP.EXE DI-019 Cadfael 80 B6 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-019 cadfael 80 /comment JRL(B6) /new_log /after test-archive/sb/sb-2.18/DI-019		
Z:\ss\DISKHASH.EXE DI-019 cadfael 80 /comment JRL(B6) /new_log /after loc:		
Log files test-archive/sb/sb-2.18/DI-019		
Log File	_	test-archive/sb/sb-2.18/DI-019
## Bighlights: SafeBack 2.18 318-b01 execution started on Oct 25, 2001 13:48. 13:48:26 Menu selections:		Safeback log: DI-019/SB 019C.TXT
Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: Yes 13:48:48 Copy from Local drive 0: to local drive 1: 13:48:53 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:48 13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other iil: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Direct access: No		13:48:26 Menu selections:
Use XBIOS: Yes Adjust partitions: No Backfill on restore: Yes 13:48:48 Copy from Local drive 0: to local drive 1: 13:48:53 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:48 13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Expected Source disk is unchanged Results: src compares qualified equal to dst		Function: Copy
Adjust partitions: No Backfill on restore: Yes 13:48:48 Copy from Local drive 0: to local drive 1: 13:48:53 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:48 13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other no fill: 0 Other no fill: 0 Expected Results: Source disk is unchanged Src compares qualified equal to dst		Direct access: No
Backfill on restore: Yes 13:48:48 Copy from Local drive 0: to local drive 1: 13:48:53 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:48 13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0: Source drive 0: Source drive 0: Capacity		Use XBIOS: Yes
13:48:48 Copy from Local drive 0: to local drive 1: 13:48:53 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:48 13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: srcompares qualified equal to dst		Adjust partitions: No
13:48:53		
13:48:53 Local SafeBack is running on DOS 6.30 13:48:53 Partition table for drive 0:		
13:48:53 Partition table for drive 0:		
Source drive 0:		
Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other no fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: src compares qualified equal to dst		
Cylinders3148 Heads16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: src compares qualified equal to dst		
Heads16 Destination drive 1: Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other no fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: Source disk is unchanged src compares qualified equal to dst		
Destination drive 1:		
Capacity3079 MB Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: Source disk is unchanged Results: src compares qualified equal to dst		
Cylinders6256 Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01 SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: Source disk is unchanged Results: src compares qualified equal to dst		
Heads16 14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01		
14:01:17 Copy of drive 0: to drive 1: completed on Oct 25, 2001 14:01		<u> </u>
SafeBack execution ended on Oct 25, 2001 14:25. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: Source disk is unchanged Results: src compares qualified equal to dst		
Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: src compares qualified equal to dst		
Sectors Differ 0 Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: src compares qualified equal to dst		= = = Measurement Logs = = = =
Diffs range Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Results: src compares qualified equal to dst		Sectors Compared 3173184
Source (3173184) has 3132864 fewer sectors than destination (6306048) Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Zero fill: 3132864 Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Src Byte fill (B6): 0 Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Dst Byte fill (BB): 0 Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Other fill: 0 Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Other no fill: 0 Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071 Expected Source disk is unchanged Results: src compares qualified equal to dst		
Expected Source disk is unchanged Results: src compares qualified equal to dst		
Results: src compares qualified equal to dst	Ermogtod	
	_	
Actual NO anomalies		
Results:	Results:	
Analysis: Expected results achieved	Analysis:	Expected results achieved

Case DI-020 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Fri Oct 19 10:34:20 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label B6
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label none
	B6 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16

Case DI-020 for	SafeBack 2.18
setup:	Disk: B6
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 16:51:15 2001
	cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new log
	Cilid. 2.\Ss\DISKHASH.EME BO UUUGEDEE 80 /DETOTE /Hew_log
	Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Destination	Z:\ss\DISKWIPE.EXE DI-020 Cadfael 81 B7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\badx13 80 42 10 8929 > a:\err-020.txt
_	Version 3.1 Created 10/11/01 at 12:41:45
	badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 42 from drive 80 at LBA sector 8,929
Execute:	Z:\ss\PARTAB.EXE DI-020 Cadfael 80 /all /new_log /comment JRL(B6)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-020 Cadfael 80 B6 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-020 cadfael 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-020
loc:	
Log File	Safeback log: DI-020/SB_020C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 19, 2001 10:40.
	10:41:12 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:41:25 Copy from Local drive 0: to local drive 1:
	10:41:31 Copy of Local drive 0: to drive 1: begun on Oct 19, 2001 10:41
	10:41:31 Local SafeBack is running on DOS 6.30
	10:41:31 Partition table for drive 0:
	Source drive 0: Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	10:41:34 While reading drive 0: a sector flagged bad error (status 0a)
	occurred:
	at relative sector 8929 (Cylinder 8, Head 13, Sector 47)
	10:52:11 Copy of drive 0: to drive 1: completed on Oct 19, 2001 10:52
	SafeBack execution ended on Oct 19, 2001 10:52.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 1
	Diffs range 8929
	Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-021 for SafeBack 2.18	
Case Summary:	Copy an XBIOS-IDE source disk to an XBIOS-IDE destination disk where the source disk is the same size as the destination Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Fri Oct 19 13:05:07 2001

Case DI-021 for	r SafeBack 2.18
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label B6
DISVS.	Destination: DOS Drive 81 Physical Label B7
	-
	Image media: DOS Drive 82 Physical Label none
	B6 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B6
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 16:51:15 2001
	Date. Illu Oct 16 10:51:15 2001
	1. 7.) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new_log
	Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Destination	Z:\ss\DISKWIPE.EXE DI-021 Cadfael 81 B7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\badx13 81 43 10 7392 > a:\err-021.txt
TITOI SECUP.	
	Version 3.1 Created 10/11/01 at 12:41:45
	badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 43 from drive 81 at LBA sector 7,392
Execute:	Z:\ss\PARTAB.EXE DI-021 Cadfael 80 /all /new_log /comment JRL(B6)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-021 Cadfael 80 B6 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-021 cadfael 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-021
loc:	
Log File	Safeback log: DI-021/SB_021C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 19, 2001 13:11.
підпітідпсь.	13:12:02 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	13:12:12 Copy from Local drive 0: to local drive 1:
	13:12:16 Copy of Local drive 0: to drive 1: begun on Oct 19, 2001 13:12
	13:12:16 Local SafeBack is running on DOS 6.30
	13:12:16 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	13:12:18 While writing drive 1:, a sector flagged bad error (status 0a)
	occurred
	at relative sector 7392 (Cylinder 7, Head 5, Sector 22)
	13:22:04 Copy of drive 0: to drive 1: completed on Oct 19, 2001 13:22
	SafeBack execution ended on Oct 19, 2001 13:27.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 105
	Diffs range 7392-7496
	Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
i	
Results:	

Case DI-021 for	SafeBack 2.18
Analysis:	Expected results achieved

Case DI-022 for	SafeBack 2.18	
Case Summary:	Copy an XBIOS-IDE source disk	
	to an XBIOS-IDE destination di	
	where the source disk is the s	ame size as the destination
Tester Name:	JRL	
Test Date:	Fri Oct 19 14:17:05 2001	
PC:	Cadfael	- 1 1 - 4
Disks:	Source: DOS Drive 80 Physical	
	Destination: DOS Drive 81 Phys	
	Image media: DOS Drive 82 Phys B6 is a WDC AC21600H with 3173	
	B7 is a WDC AC21600H with 3173	
	Jaz disk with partition magic	
	FS-TST Release 1.0 CD-ROM + ba	
Source disk	Linux EXT2 & DOS Fat16	
setup:	Disk: B6	
-	Host: JudgeDee	
	Operator: JRL	
	OS: Windows/Me	
	Options: Typical	
	Date: Thu Oct 18 16:51:15 2001	
	cmd: Z:\ss\DISKWIPE.EXE B6 Jud	
	X:\pm\pqmagic /cmd=X:\pm\nex-s	
	Load Operating System to Source	
	cmd: Z:\ss\DISKHASH.EXE B6 Jud	igebee 60 /before /new_rog
	Disk hash = 9AE1258B907A84E4A	D2355BDCC21E9626822F071
Destination		Tael 81 B7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined	act of Br / Housit / abc / Hew_log / comment only
Error Setup:	none	
Execute:	Z:\ss\PARTAB.EXE DI-022 Cadfael 80 /all /new_log /comment JRL(B6)	
	z:\sb\master (copy)	
		eel 80 B6 81 B7 /new_log /comment JRL
		Eael 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-022	
loc:		DVM
Log File Highlights:		I X I
	Safeback log: DI-022/SB_022C.T	11 execution started on Oct 19 2001 14:24
mightights.	SafeBack 2.18 13Feb0	1 execution started on Oct 19, 2001 14:24.
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections:	
inightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function:	Copy
urgurigues.	SafeBack 2.18 13Feb0 14:24:39 Menu selections:	
mightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS:	Copy No Yes
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access:	Copy No Yes No
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions:	Copy No Yes No No
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local driv	Copy No Yes No No
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local driv 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0:	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0:
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0:
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31	Copy No Yes No Te: No Te: No Te: No Te: O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 Mnning on DOS 6.30 drive 0: M9 MB
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is rule:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16	Copy No Yes No No Te: No Te: No Te: No Te: O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 Unning on DOS 6.30 drive 0: MB MB
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1:	Copy No Yes No No No Yes No
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15	Copy No Yes No No No Yes No
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Local SafeBack is rule: 14:24:56 Local SafeBack is rule: 14:24:56 Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Capacity15 Capacity15 Cylinders31	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0: 49 MB 48 649 MB
nightights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16	Copy No Yes No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0: 649 MB 48 649 MB
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 14:35:18 Copy of drive 0: to	Copy No Yes No Te: No Te: No Te: O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 Imming on DOS 6.30 drive 0: 649 MB 448 649 MB 448 6519 MB 651
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 14:35:18 Copy of drive 0: to	Copy No Yes No No Yes No Yes No Yes O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0: 649 MB 448 65 649 MB 648 65 drive 1: completed on Oct 19, 2001 14:35 ended on Oct 19, 2001 17:39.
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Local SafeBack is ru 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 Capacity15 Cylinders31 Heads16 Copy of drive 0: to SafeBack execution execution	Copy No Yes No No Yes No Yes No Yes O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0: 649 MB 448 65 649 MB 648 65 drive 1: completed on Oct 19, 2001 14:35 ended on Oct 19, 2001 17:39.
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Local SafeBack is rule 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 14:35:18 Copy of drive 0: to SafeBack execution e = = = Measurement Logs = = Sectors Compared 3173184 Sectors Differ 0	Copy No Yes No No Yes No Yes No Yes O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 unning on DOS 6.30 drive 0: 649 MB 448 65 649 MB 648 65 drive 1: completed on Oct 19, 2001 14:35 ended on Oct 19, 2001 17:39.
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Copy of Local drive 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 14:35:18 Copy of drive 0: to SafeBack execution e = = Measurement Logs = = Sectors Compared 3173184	Copy No Yes No Te: No Te: No Te: No Te: O: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 Tunning on DOS 6.30 Trive 0: The state of th
inginights.	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Local SafeBack is rule 14:24:56 Local SafeBack is rule 14:24:56 Partition table for Source drive 0: Capacity	Copy No Yes No No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 mning on DOS 6.30 drive 0: 49 MB 48 649 MB 48 649 MB 648 650 669 MB 669
Expected Results:	SafeBack 2.18 13Feb0 14:24:39 Menu selections: Function: Direct access: Use XBIOS: Adjust partitions: Backfill on restor 14:24:51 Copy from Local drive 14:24:56 Local SafeBack is rule: 14:24:56 Local SafeBack is rule: 14:24:56 Partition table for Source drive 0: Capacity15 Cylinders31 Heads16 Destination drive 1: Capacity15 Cylinders31 Heads16 14:35:18 Copy of drive 0: to SafeBack execution e = = = Measurement Logs = = Sectors Compared 3173184 Sectors Differ 0 Diffs range	Copy No Yes No No re: No re 0: to local drive 1: 0: to drive 1: begun on Oct 19, 2001 14:24 mning on DOS 6.30 drive 0: 49 MB 48 649 MB 48 649 MB 648 650 669 MB 669

Case DI-022 for SafeBack 2.18	
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-023 for	r SafeBack 2.18	
Case Summary:	Copy an XBIOS-IDE source disk	
oase sammar _j	to an XBIOS-IDE destination disk	
	where the source disk is larger than the destination	
Tester Name:	JRL	
Test Date:	Sun Nov 04 12:38:05 2001	
PC:	Wimsey	
Disks:	Source: DOS Drive 80 Physical Label F5	
	Destination: DOS Drive 81 Physical Label A7	
	Image media: DOS Drive 82 Physical Label none	
	F5 is an IBM-DTLA-307020 with 40188960 sectors	
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16	
setup:	Disk: F5	
	Host: Cadfael	
	Operator: JRL	
	OS: WindowsMe/Linux	
	Date: Sat Aug 11 11:13:43 2001	
	DICYMIDE EVE EE CDC Codfool 90 EE /cr-	
	DISKWIPE.EXE F5_SRC Cadfael 80 F5 /src X:\pm\pqmaqic /cmd=X:\pm\fat-src.txt	
	Load Operating System to Source disk	
	DISKHASH.EXE F5_SRC Cadfael 80 /before	
	Disk hash = 83A0002816BBF089F8BE33C41C92C3B5A0F42A54	
Destination	Z:\ss\DISKWIPE.EXE DI-023 Wimsey 81 A7 /noask /dst /new_log /comment JRL	
Setup:		
Error Setup:	none	
Execute:	Z:\ss\PARTAB.EXE DI-023 Wimsey 80 /all /new_log /comment JRL(A7) Z:\ss\PARTAB.EXE DI-023 Wimsey 81 /all /new_log /comment JRL(A7)	
	z:\sb\master (copy)	
	Z:\ss\DISKCMP.EXE DI-023 Wimsey 80 F5 81 A7 /new_log /comment JRL	
	Z:\ss\DISKHASH.EXE DI-023 Wimsey 80 /comment JRL(F5) /new_log /after	
Log files	test-archive/sb/sb-2.18/DI-023	
loc:		
Log File	Safeback log: DI-023/SB_023C.TXT	
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 13:19. 13:20:03 Menu selections:	
	Function: Copy	
	Direct access: No	
	Use XBIOS: Yes	
	Adjust partitions: No	
	Backfill on restore: No	
	13:20:12 Copy from Local drive 0: to local drive 1:	
	13:20:12 Insufficient destination file space projected.	
	13:20:23 Copy of Local drive 0: to drive 1: begun on Nov 4, 2001 13:20 13:20:23 Local SafeBack is running on DOS 6.30	
	13:20:23 Partition table for drive 0:	
	Source drive 0:	
	Capacity19624 MB	
	Cylinders2501	
	Heads255	
	Destination drive 1:	
	Capacity19093 MB	
	Cylinders2434	
	Heads255 14:32:24 Copy of drive 0: to drive 1: completed on Nov 4, 2001 14:32	
	SafeBack execution ended on Nov 4, 2001 14:32	
	= = = Measurement Logs = = = =	
	Sectors Compared 39102336	
	Sectors Differ 0	
	Diffs range	
	Source (40188960) has 1086624 more sectors than destination (39102336)	

Case DI-023 for SafeBack 2.18	
	Hash after test: 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-024 for	CafoPade 2 18
Case DI-024 For Case Summary:	Copy an XBIOS-IDE source disk
case summary.	to an XBIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Tue Nov 06 13:56:18 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label none
	B8 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
-	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-024 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-SS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001334529 0000/001/01 0330/063/63 06 Fat16
Error Setup:	none 00 Facto
Execute:	Z:\ss\PARTAB.EXE DI-024 Rumpole 80 /all /new_log /comment JRL(B7)
Excedee	Z:\ss\PARTAB.EXE DI-024 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-024 Rumpole 80 B8 81 B7 /new_log /comment JRL
	/select 1 1
- 1 -	Z:\ss\DISKHASH.EXE DI-024 Wimsey 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-024
loc: Log File	Source disk Drive 0x80, BIOS: Extensions Present
Log File Highlights:	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
migningnes.	Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001128960 0355/000/01 0634/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16 6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002560320 000064512 0635/000/01 0650/063/63 83 Linux
	10 P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
	Interrupt 13 ext 03148/016/63 (number of cyl/hd)

Case DI-024 for	SafeBack 2.18
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	The observation of the control of th
	Safeback log: DI-024/SB_024C.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 14:49. The tape drive was not used.
	14:49:53 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:50:06 Copy from Local drive C: to local drive D:
	14:50:11 Partition/Boot information saved to A:\PT.SPS.
	14:50:12 Copy of Local drive C: to drive D: begun on Nov 6, 2001 14:50
	14:50:12 Local SafeBack is running on DOS 6.30
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity652 MB
	Cylinders330
	Heads64
	14:57:18 Copy of drive C: to drive D: completed on Nov 6, 2001 14:57 SafeBack execution ended on Nov 6, 2001 14:58.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 0
	Diffs range:
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (B8): 0
	Dst Byte fill (B7): 104832
	Other fill: 0
	Other no fill: 0
T	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged src compares qualified equal to dst
Results:	
Actual Results:	Backfill anomaly
Analysis:	Expected results not achieved
wigilars.	Imposed resures not admireved

Case DI-025 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Tue Dec 11 13:33:19 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label BB
	Image media: DOS Drive 82 Physical Label none
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001

Case DI-025 for	SafeBack 2.18
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\f32-src.txt Load Operating System to Source disk</pre>
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new log
	oma 2 (55 (515)m15112112 11 oddg5550 00 / 551512 / 11011_103
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-025 Cadfael 81 BB /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-SS.txt N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-025 Cadfael 80 /all /new_log /comment JRL(BB)
	Z:\ss\PARTAB.EXE DI-025 Cadfael 81 /all /new_log /comment JRL(BB)
	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-025 Cadfael 80 F1 81 BB /new_log /comment JRL /select 1 1
	Z:\ss\DISKHASH.EXE DI-025 Cadfael 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-025
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 0826/063/63 (max cyl/hd values) Interrupt 13 ext 03309/016/63 (number of cyl/hd)
	3335472 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended 5 S 000000063 000145089 0406/001/01 0441/063/63 0B Fat32
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present Interrupt 13 bios 1023/063/63 (max cyl/hd values)
	Interrupt 13 ext 06256/016/63 (number of cyl/hd)
	6306048 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-025/SB_025C.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 11, 2001 14:58.
	14:58:48 Menu selections:
	Function: Copy
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: Yes
	14:59:09 Copy from Local drive C: to local drive D:
	14:59:15 Partition/Boot information saved to A:\PT.SPS.
	14:59:17 Copy of Local drive C: to drive D: begun on Dec 11, 2001 14:59
	14:59:17 Local SafeBack is running on DOS 7.10 Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity652 MB Cylinders330
	Heads64
	15:01:43 Copy of drive C: to drive D: completed on Dec 11, 2001 15:01
	SafeBack execution ended on Dec 11, 2001 15:01.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 1
	Diffs range: 1

Case DI-025 for	SafeBack 2.18
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (F1): 0
	Dst Byte fill (BB): 104832
	Other fill: 0
	Other no fill: 0
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	FAT32 anomaly, Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-027 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Sun Jun 16 12:37:34 2002
PC:	Wimsey
Disks:	Source: DOS Drive 80 Physical Label A5 Destination: DOS Drive 81 Physical Label A6
	Image media: DOS Drive 80 Physical Label none
	A5 is a WDC WD200BB-00AUA1 with 39102336 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Fat32 only
setup:	Disk: A5
	Host: JudgeDee
	Operator: JRL
	OS: NoOs
	Options: none
	Date: Mon Apr 15 14:35:04 2002
	cmd: Z:\ss\DISKWIPE.EXE A5 JudgeDee 80 A5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	No OS loaded, FAT32 partition only
	cmd: Z:\ss\DISKHASH.EXE A5 JudgeDee 80 /before /new_log
	Disk hash = 3DE5C01B5BB337EA3E6CF9BC25EB844F5D00FD14
Destination	Z:\ss\DISKWIPE.EXE DI-027 Wimsey 81 A6 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
-	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 23 3 15 2 10 >> A:\err-027.txt
	Z:\ss\baddisk 80 23 3 15 10 10 >> A:\err-027.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00023/00003/00015
	return code 00010 on command 00010 from disk 00080
Execute:	at address 00023/00003/00015 z:\sb\master (copy)
Execute.	Z:\ss\PARTCMP.EXE DI-027 Wimsey 80 A5 81 A6 /new_log /comment JRL /select
	2 (OS (FIRTER FIRE ST OZ) WINNEY OS IN OT IN / NEW_TOS / COMMENT ON EX / SETECT
	Z:\ss\DISKHASH.EXE DI-027 JudgeDee 80 /comment A5(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-027
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1023/254/63 (max cyl/hd values)
	Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	39102336 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 0B Fat32
	2 X 001429785 037061955 0089/000/01 1023/254/63
	3 S 000000063 000208782 0089/001/01 0101/254/63 83 Linux

Case DI-027 for	SafeBack 2.18
	4 x 000208845 000144585 0102/000/01 0110/254/63
	5 S 000000063 000144522 0102/001/01 0110/254/63
	6 x 000771120 000192780 0137/000/01 0148/254/63 05 extended
	7 S 000000063 000192717 0137/001/01 0148/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 038491740 000064260 1023/000/01 1023/254/63 83 Linux
	10 P 038684520 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1023/254/63 (max cyl/hd values)
	Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	39102336 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 00000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	*** **** *** *** *** *** *** *** ***
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 15:00.
	15:01:01 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	15:01:15 Copy from Local drive C: to local drive D:
	15:01:20 Partition/Boot information saved to A:\PT.SPS.
	15:01:21 Copy of Local drive C: to drive D: begun on Jun 16, 2002 15:01
	15:01:21 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	15:02:11 While reading drive C: a bad address mark error (status 02)
	occurred:
	at relative sector 369635 (Cylinder 23, Head 2, Sector 15)
	15:03:55 Copy of drive C: to drive D: completed on Jun 16, 2002 15:03
	SafeBack execution ended on Jun 16, 2002 15:04.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 2
	Diffs range: 1, 369635
	Hash after test: 3DE5C01B5BB337EA3E6CF9BC25EB844F5D00FD14
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved
	*

Case DI-030 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Thu Dec 13 15:59:40 2001
PC:	Wimsey
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label none
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32

Case DI-030 for	SafeBack 2.18
setup:	Disk: F1
_	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	<pre>cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log X:\pm\pqmagic /cmd=X:\pm\f32-src.txt</pre>
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-030 Wimsey 81 B7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-BS.txt
БССФР.	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-030 Wimsey 80 /all /new_log /comment JRL(B7) Z:\ss\PARTAB.EXE DI-030 Wimsey 81 /all /new_log /comment JRL(B7)
	z:\sb\master (copy) Z:\ss\PARTCMP.EXE DI-030 Wimsey 80 F1 81 B7 /new_log /comment JRL /select
	1 1 Z:\ss\DISKHASH.EXE DI-030 Wimsey 80 /comment JRL(F1) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-030
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 0826/063/63 (max cyl/hd values)
mightighes.	Interrupt 13 ext 03309/016/63 (number of cyl/hd)
	3335472 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
	Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-030/SB_030C.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 13, 2001 16:27.
	16:27:35 Menu selections:
	Function: Copy Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No Backfill on restore: No
	16:27:52 Copy from Local drive C: to local drive D:
	16:27:52 Copy from Local drive C: to local drive D: 16:27:52 Insufficient destination file space projected.
	16:28:02 Copy of Local drive C: to drive D: begun on Dec 13, 2001 16:28
	16:28:02 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity551 MB
	Cylinders279

Case DI-030 for	SafeBack 2.18
	Heads64
	16:31:02 Copy of drive C: to drive D: completed on Dec 13, 2001 16:31
	SafeBack execution ended on Dec 13, 2001 16:31.
	= = = Measurement Logs = = = =
	Sectors Compared 1128897
	Sectors Differ 1
	Diffs range: 1
	Source (1229697) has 100800 more sectors than destination (1128897)
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-031 fo	r SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
2	to an XBIOS-SCSI destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Thu Oct 25 13:28:32 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E8
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E8 is a SEAGATE ST318404LC with 35843670 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt</pre>
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-031 Rumpole 81 E8 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-031 Rumpole 80 /all /new_log /comment JRL(E3)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-031 Rumpole 80 E3 81 E8 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-031 Rumpole 80 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-031
loc:	
Log File	Safeback log: DI-031/SB_031C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 25, 2001 13:43.
	The tape drive was not used.
	13:43:40 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No Backfill on restore: No
	Backfill on restore: No 13:43:48 Copy from Local drive 0: to local drive 1:
	13:43:48 Copy from Local drive 0: to local drive 1: 13:43:52 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:43
	13:43:52 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:43 13:43:52 Local SafeBack is running on DOS 6.30
	13:43:52 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity8759 MB
	Cylinders1116
	Cylinders

Case DI-031 for	SafeBack 2.18
	Heads255
	Destination drive 1:
	Capacity17502 MB
	Cylinders2231
	Heads255
	13:58:39 Copy of drive 0: to drive 1: completed on Oct 25, 2001 13:58
	SafeBack execution ended on Oct 25, 2001 14:18.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17904685 fewer sectors than destination (35843670)
	Zero fill: 17904685
	Src Byte fill (E3): 0
	Dst Byte fill (E8): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-032 fo	r SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Fri Oct 26 09:10:13 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E8
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E8 is a SEAGATE ST318404LC with 35843670 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-032 Rumpole 81 E8 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-032 Rumpole 80 /all /new_log /comment JRL(E3)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-032 Rumpole 80 E3 81 E8 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-032 Rumpole 80 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-032
loc:	
Log File	Safeback log: DI-032/SB_032C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 09:29.
	The tape drive was not used.
	09:29:57 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes

Case DI-032 for	SafeBack 2.18
	Adjust partitions: No
	Backfill on restore: Yes
	09:30:28 Copy from Local drive 0: to local drive 1:
	09:30:33 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 09:30
	09:30:33 Local SafeBack is running on DOS 6.30
	09:30:33 Partition table for drive 0:
	Source drive 0:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 1:
	Capacity17502 MB
	Cylinders2231
	Heads255
	09:45:13 Copy of drive 0: to drive 1: completed on Oct 26, 2001 09:45
	SafeBack execution ended on Oct 26, 2001 09:46.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17904685 fewer sectors than destination (35843670)
	Zero fill: 17904685
	Src Byte fill (E3): 0
	Dst Byte fill (E8): 0
	Other fill: 0 Other no fill: 0
	Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
B	
Expected Results:	Source disk is unchanged
	src compares qualified equal to dst
Actual	No anomalies
Results:	Pure a shad was sulk a sashi awad
Analysis:	Expected results achieved

Case DI-033 for	r SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	KBR
Test Date:	Wed Nov 14 06:00:35 2001
PC:	marple
Disks:	Source: DOS Drive 80 Physical Label C0
	Destination: DOS Drive 81 Physical Label C1
	Image media: DOS Drive 82 Physical Label none
	CO is a SEAGATE ST39204LC with 17921835 sectors
	C1 is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Diskwipe only, no OS
setup:	Disk: CO
	Host: Marple
	Operator: KBR
	OS: NOOS
	Options: none
	Date: Mon Nov 05 08:29:33 2001
	cmd: Z:\ss\DISKWIPE.EXE CO Marple 80 CO /src /new_log
	No partitions defined
	No OS loaded
	cmd: Z:\ss\DISKHASH.EXE CO Marple 80 /before /new_log
	Disk hash = 469216C0D380A3E415690ADA72F560EAA71693F0
Destination	Z:\ss\DISKWIPE.EXE DI-033 marple 81 C1 /noask /dst /new_log /comment KBR
Setup:	
Error Setup:	Z:\ss\badx13 80 42 10 699 > a:\err-033.txt
	Version 3.1 Created 10/11/01 at 12:41:45
	badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 42 from drive 80 at LBA sector 699
Execute:	Z:\ss\PARTAB.EXE DI-033 marple 80 /all /new_log /comment KBR(C1)

Case DI-033 for	SafeBack 2.18
	Z:\ss\PARTAB.EXE DI-033 marple 81 /all /new_log /comment KBR(C1)
	Z:\ss\DISKCMP.EXE DI-033 marple 80 C0 81 C1 /new_log /comment KBR
	Z:\ss\DISKHASH.EXE DI-033 marple 80 /comment KBR(C0) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-033
loc:	
Log File	Safeback log: DI-033/DI-033SB.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 14, 2001 06:52.
	06:52:57 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	06:53:02 Copy from Local drive 0: to local drive 1:
	06:53:12 Copy of Local drive 0: to drive 1: begun on Nov 14, 2001 06:53
	06:53:12 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity8751 MB
	Cylinders1115
	Heads255
	Destination drive 1:
	Capacity8751 MB
	Cylinders1115
	Heads255
	06:53:13 While reading drive 0: a sector flagged bad error (status 0a)
	occurred:
	at relative sector 699 (Cylinder 0, Head 11, Sector 7)
	07:07:51 Copy of drive 0: to drive 1: completed on Nov 14, 2001 07:07
	SafeBack execution ended on Nov 14, 2001 08:46.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 1
	Diffs range 699
	Hash after test: 469216C0D380A3E415690ADA72F560EAA71693F0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-034 for SafeBack 2.18	
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	KBR
Test Date:	Thu Nov 08 13:03:44 2001
PC:	marple
Disks:	Source: DOS Drive 80 Physical Label C0
	Destination: DOS Drive 81 Physical Label C1
	Image media: DOS Drive 82 Physical Label none
	CO is a SEAGATE ST39204LC with 17921835 sectors
	Cl is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Diskwipe only, no OS
setup:	Disk: CO
	Host: Marple
	Operator: KBR
	OS: NoOs
	Options: none
	Date: Mon Nov 05 08:29:33 2001
	<pre>cmd: Z:\ss\DISKWIPE.EXE CO Marple 80 CO /src /new_log</pre>
	No partitions defined
	No OS loaded
	<pre>cmd: Z:\ss\DISKHASH.EXE CO Marple 80 /before /new_log</pre>

Case DI-034 for	SafeBack 2.18
	Disk hash = 469216C0D380A3E415690ADA72F560EAA71693F0
Destination	Z:\ss\DISKWIPE.EXE DI-034 marple 81 C1 /noask /dst /new_log /comment KBR
Setup:	
Error Setup:	Z:\ss\badx13 81 43 10 90 > a:\err-034.txt
	Version 3.1 Created 10/11/01 at 12:41:45
	badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 43 from drive 81 at LBA sector 90
Execute:	Z:\ss\PARTAB.EXE DI-034 marple 80 /all /new_log /comment KBR(C1)
	Z:\ss\PARTAB.EXE DI-034 marple 81 /all /new_log /comment KBR(C1)
	Z:\ss\DISKCMP.EXE DI-034 marple 80 CO 81 C1 /new_log /comment KBR
	Z:\ss\DISKHASH.EXE DI-034 CO 80 /comment KBR(CO) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-034
loc:	
Log File	Safeback log: DI-034/DI034SB.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 8, 2001 13:34.
	13:34:14 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	13:34:16 Copy from Local drive 0: to local drive 1:
	13:34:21 Copy of Local drive 0: to drive 1: begun on Nov 8, 2001 13:34
	13:34:21 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity8751 MB
	Cylinders1115
	Heads255
	Destination drive 1:
	Capacity8751 MB
	Cylinders1115
	Heads255
	13:34:21 While writing drive 1:, a sector flagged bad error (status 0a)
	occurred
	at relative sector 90 (Cylinder 0, Head 1, Sector 28)
	13:48:57 Copy of drive 0: to drive 1: completed on Nov 8, 2001 13:48
	SafeBack execution ended on Nov 9, 2001 07:03.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 29
	Diffs range 90-118
	Hash after test: 469216C0D380A3E415690ADA72F560EAA71693F0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved
	1

Case DI-035 for SafeBack 2.18		
Case Summary:	Copy an XBIOS-SCSI source disk to an XBIOS-SCSI destination disk where the source disk is the same size as the destination	
Tester Name:	KBR	
Test Date:	Tue Nov 06 07:23:08 2001	
PC:	marple	
Disks:	Source: DOS Drive 80 Physical Label C0 Destination: DOS Drive 81 Physical Label C1 Image media: DOS Drive 82 Physical Label none C0 is a SEAGATE ST39204LC with 17921835 sectors C1 is a SEAGATE ST39204LC with 17921835 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk setup:	Diskwipe only, no OS Disk: C0 Host: Marple Operator: KBR OS: NoOs	

Case DI-035 for	SafeBack 2.18
	Options: none Date: Mon Nov 05 08:29:33 2001
	Bacc. Non Nov 03 00-23-33 2001
	cmd: Z:\ss\DISKWIPE.EXE CO Marple 80 CO /src /new_log
	No partitions defined No OS loaded
	cmd: Z:\ss\DISKHASH.EXE CO Marple 80 /before /new_log
	- (((
	Disk hash = 469216C0D380A3E415690ADA72F560EAA71693F0
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-035 marple 81 C1 /noask /dst /new_log /comment KBR
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-035 marple 80 /all /new_log /comment KBR(C1)
	Z:\ss\PARTAB.EXE DI-035 marple 81 /all /new_log /comment KBR(C1)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-035 marple 80 C0 81 C1 /new_log /comment KBR Z:\ss\DISKHASH.EXE DI-035 Marple 80 /comment KBR(C0) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-035
loc:	
Log File	Safeback log: DI-035/SB_035C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 07:44.
	07:45:10 Menu selections: Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	07:45:24 Copy from Local drive 0: to local drive 1:
	07:45:34 Copy of Local drive 0: to drive 1: begun on Nov 6, 2001 07:45
	07:45:34 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity8751 MB
	Cylinders1115 Heads255
	Destination drive 1:
	Capacity8751 MB
	Cylinders1115
	Heads255
	07:59:52 Copy of drive 0: to drive 1: completed on Nov 6, 2001 07:59
	SafeBack execution ended on Nov 6, 2001 08:34.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835 Sectors Differ 0
	Diffs range
	Hash after test: 469216C0D380A3E415690ADA72F560EAA71693F0
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-036 for	Case DI-036 for SafeBack 2.18	
Case Summary:	Copy an XBIOS-SCSI source disk	
	to an XBIOS-SCSI destination disk	
	where the source disk is larger than the destination	
Tester Name:	JRL	
Test Date:	Tue Oct 16 16:05:41 2001	
PC:	Cadfael	
Disks:	Source: DOS Drive 80 Physical Label E3	
	Destination: DOS Drive 81 Physical Label EA	
	Image media: DOS Drive 82 Physical Label none	
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	EA is a SEAGATE ST39204LC with 17921835 sectors	
	Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16	
setup:	Disk: E3	
	Host: Cadfael	

Case DI-036 for	SafeBack 2.18
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt</pre>
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Diel- beck - 0500240246432107404079200202341004547200
Destination	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Z:\ss\DISKWIPE.EXE DI-036 Cadfael 81 EA /noask /dst /new log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-036 Cadfael 80 /all /new_log /comment JRL(E3)
Execute.	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-036 Cadfael 80 E3 81 EA /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-036 cadfael 80 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-036
loc:	3-
Log File	Safeback log: DI-036/SB_036C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 16, 2001 16:14.
	16:15:09 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	16:15:28 Copy from Local drive 0: to local drive 1:
	16:15:28 Insufficient destination file space projected.
	16:15:38 Copy of Local drive 0: to drive 1: begun on Oct 16, 2001 16:15
	16:15:38 Local SafeBack is running on DOS 6.30
	16:15:38 Partition table for drive 0:
	Source drive 0:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 1: Capacity8751 MB
	Cylinders1115
	Heads255
	16:23:21 Copy of drive 0: to drive 1: completed on Oct 16, 2001 16:23
	SafeBack execution ended on Oct 16, 2001 16:57.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17150 more sectors than destination (17921835)
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-040 for SafeBack 2.18	
Case Summary:	Copy an XBIOS-SCSI source disk to an XBIOS-SCSI destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Sun Jun 16 16:48:12 2002
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E2
	Image media: DOS Drive 80 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors

Case DI-040 for	r SafeBack 2.18
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt Load Operating System to Source disk</pre>
	DISKHASH.EXE E3_SRC Rumpole 80 /before
Dantination.	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-040 Cadfael 81 E2 /noask /dst /new_log /comment JRL X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt
becap.	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 66 2 10 2 10 >> A:\err-040.txt
	Z:\ss\baddisk 80 66 2 10 10 10 >> A:\err-040.txt
	Version 3.2 Created 06/05/02 at 13:50:39 baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00066/00002/00010
	return code 00010 on command 00010 from disk 00080
Execute:	at address 00066/00002/00010 z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-040 Cadfael 80 E3 81 E2 /new_log /comment JRL
	/select 1 1
Log files	Z:\ss\DISKHASH.EXE DI-040 Cadfael 80 /comment E3(JRL) /new_log /after test-archive/sb/sb-2.18/DI-040
loc:	test-archive/sb/sb-2.10/b1-040
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd) 17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63 05 extended 3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63 05 extended
	5 S 000000063 000144522 0153/001/01 0161/254/63 06 Fat16
	6 x 004450005 000192780 0417/000/01 0428/254/63 05 extended
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values) Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	3 P 000000000 00000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-040/SB_040C.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 18:28. 18:28:36 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto Backfill on restore: Yes
	18:28:51 Copy from Local drive C: to local drive D:
	18:28:57 Partition/Boot information saved to A:\PT.SPS.
	18:28:58 Copy of Local drive C: to drive D: begun on Jun 16, 2002 18:28
	18:28:58 Local SafeBack is running on DOS 7.10

Case DI-040 for	SafeBack 2.18
	Source drive C:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	18:29:12 While reading drive C: a bad address mark error (status 02)
	occurred:
	at relative sector 1060362 (Cylinder 66, Head 1, Sector 10)
	18:29:15 Copy of drive C: to drive D: completed on Jun 16, 2002 18:29
	SafeBack execution ended on Jun 16, 2002 18:29.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 1
	Diffs range: 1060362
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

-	
	r SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Sun Jun 16 12:26:26 2002
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E4
	Destination: DOS Drive 81 Physical Label E8
	Image media: DOS Drive 80 Physical Label none
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E8 is a SEAGATE ST318404LC with 35843670 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	<pre>X:\pm\pqmagic /cmd=X:\pm\nt-src.txt</pre>
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-041 Cadfael 81 E8 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 81 32 3 5 3 10 >> A:\err-041.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00032/00003/00005
Execute:	z:\sb\master (copy)
	Z:\ss\PARTCMP.EXE DI-041 Cadfael 80 E4 81 E8 /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-041 Cadfael 80 /comment E4(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-041

Case DI-041 for	SafeBack 2.18
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 006152832 0000/001/01 0382/254/63 Boot 0B Fat32
	2 X 008193150 009735390 0510/000/01 1023/254/63
	3 S 000000000 000000000 0000/000/00 0000/000/00 00
	4 x 002056320 001237005 0638/000/01 0714/254/63 05 extended
	5 S 000000063 001236942 0638/001/01 0714/254/63 07 NTFS
	6 x 005349645 001638630 0843/000/01 0944/254/63
	7 S 000000063 001638567 0843/001/01 0944/254/63 17 other
	8 x 008498385 001237005 1023/000/01 1023/254/63
	9 S 000000063 001236942 1023/001/01 1023/254/63 1B other
	10 S 000000000 000000000 0000/000/00 0000/000/00 00
	11 P 000000000 000000000 0000/000/00 0000/000/00 00
	12 P 000000000 000000000 0000/000/00 0000/000/00 00
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	35843670 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	1 P 000000063 006152832 0000/001/01 0382/254/63
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 13:07.
	13:07:24 Menu selections: Function: Copy
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto Backfill on restore: Yes
	13:07:32 Copy from Local drive C: to local drive D:
	13:07:32 Copy from Local drive C: to local drive D: 13:07:36 Partition/Boot information saved to A:\PT.SPS.
	13:07:37 Copy of Local drive C: to drive D: begun on Jun 16, 2002 13:07
	13:07:37 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity3004 MB
	Cylinders382
	Heads255
	Destination drive D:
	Capacity3004 MB
	Cylinders382
	Heads255
	13:07:49 While writing drive D:, a bad address mark error (status 02)
	occurred
	at relative sector 514210 (Cylinder 32, Head 2, Sector 5)
	13:09:49 Copy of drive C: to drive D: completed on Jun 16, 2002 13:09
	SafeBack execution ended on Jun 16, 2002 13:21.
	= = = Measurement Logs = = = =
	Sectors Compared 6152832
	Sectors Differ 109
	Diffs range: 1, 514210-514317
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-044 for SafeBack 2.18	
Case Summary:	Copy a direct access IDE source disk
	to a direct access IDE destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL

Case DI-044 for	r SafeBack 2.18
Test Date:	Tue Oct 23 14:19:46 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label DB
	Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
~ 1' 1	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16 Disk: B5
setup:	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-044 Beta4 81 DB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-044 Beta4 80 /all /new_log /comment JRL(B5)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-044 Beta4 80 B5 81 DB /new_log /comment JRL
T C'1	Z:\ss\DISKHASH.EXE DI-044 beta4 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-044
Log File	Safeback log: DI-044/SB_044C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 23, 2001 14:35.
1119111191100	14:36:19 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	14:36:55 Copy from Local drive 0: to local drive 1:
	14:37:00 Copy of Local drive 0: to drive 1: begun on Oct 23, 2001 14:37
	14:37:00 Local SafeBack is running on DOS 6.30
	14:37:00 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H Serial Number: WD-WM3364967067
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	Destination drive 1:
	Capacity6188 MB
	Cylinders13410
	Heads15
	Model: FUJITSU MPE3064AT
	Serial Number: 05294480
	Firmware version: ED-03-04
	IDE controller port with LBA direct drive access used.
	15:02:09 Copy of drive 0: to drive 1: completed on Oct 23, 2001 15:02
	SafeBack execution ended on Oct 23, 2001 15:11.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range Source (2172194) has 0400366 forcer gostons than destination (12672450)
	Source (3173184) has 9499266 fewer sectors than destination (12672450) Zero fill: 9499266
	Zero fill: 9499206 Src Byte fill (B5): 0
L	Tore place titt (pp).

Case DI-044 for SafeBack 2.18	
	Dst Byte fill (DB): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-045 for	SafeBack 2.18
Case Summary:	Copy a direct access IDE source disk
-	to a direct access IDE destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Thu Oct 25 12:49:49 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label D7 Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-045 Beta4 81 D7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-045 Beta4 80 /all /new_log /comment JRL(B5)
	z:\sb\master (copy) z:\ss\DISKCMP.EXE DI-045 Beta4 80 B5 81 D7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-045 Beta4 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-045
loc:	
Log File	Safeback log: DI-045/SB_045C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 25, 2001 13:34.
	13:34:36 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto Adjust partitions: No
	Backfill on restore: Yes
	13:35:03 Copy from Local drive 0: to local drive 1:
	13:35:08 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 13:35
	13:35:08 Local SafeBack is running on DOS 6.30
	13:35:08 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H Serial Number: WD-WM3364967067
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
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Case DI-045 for	SafeBack 2.18
	Destination drive 1:
	Capacity1629 MB
	Cylinders3309
	Heads16
	Model: QUANTUM SIROCCO1700A
	Serial Number: 111615915652
	Firmware version: A01.0000
	IDE controller port with LBA direct drive access used.
	13:46:24 Copy of drive 0: to drive 1: completed on Oct 25, 2001 13:46
	SafeBack execution ended on Oct 25, 2001 15:16.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 162288 fewer sectors than destination (3335472)
	Zero fill: 162288
	Src Byte fill (B5): 0
	Dst Byte fill (D7): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-046 fo	r SafeBack 2.18
Case Summary:	Copy a direct access IDE source disk
	to a direct access IDE destination disk
	where the source disk is smaller than the destination
	and cylinder adjustment is turned on
Tester Name:	JRL
Test Date:	Thu Oct 25 15:39:42 2001
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label DB
	Image media: DOS Drive 82 Physical Label none
	Al is a Quantum Sirooco1700A with 3335472 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-046 Beta3 81 DB /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-046 Beta3 80 /all /new_log /comment JRL(A1)
	z:\sb\master (copy)
	Z:\ss\ADJCMP.EXE DI-046 Beta3 80 A1 81 DB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-046 Beta3 80 /comment JRL(A1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-046
loc:	
Log File	Source Disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)

```
Case DI-046 for SafeBack 2.18
                3330432 total number of sectors reported via interrupt 13 from the BIOS
                  Start LBA Length Start C/H/S End C/H/S boot Partition type
                P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
                X 001431360 001290240 0355/000/01 0674/063/63
                                                                05 extended
                S 000000063 000205569 0355/001/01 0405/063/63
                                                                  83 Linux
                x 000205632 000145152 0406/000/01 0441/063/63
                                                                  05 extended
                S 000000063 000145089 0406/001/01 0441/063/63
                                                                  06 Fat16
                x 000762048 000185472 0544/000/01 0589/063/63
                                                                  05 extended
                S 000000063 000185409 0544/001/01 0589/063/63
                                                                  16 other
                S 000000000 000000000 0000/000/00 0000/000/00
                                                                  00 empty entry
                P 002721600 000064512 0675/000/01 0690/063/63
                                                                  83 Linux
                P 002923200 000411264 0725/000/01 0826/063/63
                                                                  82 Linux swap
                Destination Disk Drive 0x81, BIOS: Legacy
                Interrupt 13 bios 0786/254/63 (max cyl/hd values)
                Interrupt 13 ext 00787/255/63 (number of cyl/hd)
                12643155 total number of sectors reported via interrupt 13 from the BIOS
                  Start LBA Length
                                   Start C/H/S End C/H/S boot Partition type
                P 000000063 001230327 0000/001/01 1023/014/63 Boot 06 Fat16
               X 001431990 001291500 1023/014/63 1023/014/63
                                                                  05 extended
                S 000000063 000205632 1023/014/63 1023/014/63
                                                                  83 Linux
               x 000205695 000145530 1023/014/63 1023/014/63
                                                                  05 extended
                S 000000063 000145467 1023/014/63 1023/014/63
                                                                  06 Fat16
                x 000762489 000185976 1023/014/63 1023/014/63
                                                                  05 extended
                S 000000063 000185913 1023/014/63 1023/014/63
                                                                  16 other
                S 000000000 000000000 0000/000/00 0000/000/00
                                                                  00 empty entry
                 \verb|P| 002723490 000065205 1023/014/63 1023/014/63 \\
                                                                  83 Linux
                P 002925783 000411957 1023/014/63 1023/014/63
                                                                  82 Linux swap
                Safeback log: DI-046/SB_046C.TXT
                         SafeBack 2.18 13Feb01 execution started on Oct 25, 2001 15:57.
                15:57:42 Menu selections:
                           Function:
                                                    Copy
                            Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                    Auto
                            Backfill on restore:
                                                   No
                15:58:11 Copy from Local drive 0: to local drive 1:
                15:58:18 Copy of Local drive 0: to drive 1: begun on Oct 25, 2001 15:58
                15:58:18
                         Local SafeBack is running on DOS 6.30
                15:58:18 Partition table for drive 0:
                          Source drive 0:
                            Capacity......1629 MB
                            Cylinders.....3309
                            Heads.....16
                           Model: QUANTUM SIROCCO1700A
                            Serial Number: 111610113604
                            Firmware version: A01.0000
                            IDE controller port with LBA direct drive access used.
                          Destination drive 1:
                            Capacity......6188 MB
                            Cylinders.....13410
                            Heads.....15
                           Model: FUJITSU MPE3064AT
                            Serial Number:
                                                      05294480
                            Firmware version: ED-03-04
                            IDE controller port with LBA direct drive access used.
                16:05:10 SafeBack has set the apparent geometry of the source drive to
                827
                         cylinders, 64 heads and 63 sectors/head after examining the
                         master boot record.
                16:16:53 Partition table for drive 1:
                16:16:54 Copy of drive 0: to drive 1: completed on Oct 25, 2001 16:16
                         SafeBack execution ended on Oct 25, 2001 16:22.
                = = = = Measurement Logs = = = =
                Cylinder adjustment/alignment Summary
                Boot tracks 4
                                        252 diffs
                                                           4
                Partitions
                                    2241540 diffs
                                                           9
                            6
                Unallocated 5
                                    1093680 diffs
                                                           1
                Total src sectors
                                    3335472
                                       2961 zero
                Partition excess
                                                       2856 non-zero
                                                                            105
               Disk excess
                                    9334017 zero
                                                        303 non-zero
                                                                        9333714
```

Case DI-046 for SafeBack 2.18	
	Total dst sectors 12672450
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Cylinder Alignment anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-047 for	r SafeBack 2.18
Case Summary:	Copy a direct access IDE source disk
	to a direct access IDE destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on and cylinder adjustment is turned on
Tester Name:	JRL
Test Date:	Fri Oct 26 08:27:33 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label DB
	Image media: DOS Drive 82 Physical Label none
	B5 is a WDC AC21600H with 3173184 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
Source disk	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Linux EXT2 & DOS Fat16
setup:	Disk: B5
ъссар.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-047 Beta4 81 DB /noask /dst /new_log /comment JRL No partition table defined
Setup: Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-047 Beta4 80 /all /new_log /comment JRL(B5)
	z:\sb\master (copy)
	Z:\ss\ADJCMP.EXE DI-047 Beta4 80 B5 81 DB /new_log /comment JRL
-1-	Z:\ss\DISKHASH.EXE DI-047 Beta4 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-047
loc: Log File	Source Disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0785/063/63 (max cyl/hd values)
1119111191100	Interrupt 13 ext 00786/064/63 (number of cyl/hd)
	3169152 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	X 001431360 001128960 0355/000/01 0634/063/63
	S 000000063 000205569 0355/001/01 0405/063/63 83 Linux x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	S 000000063 000145182 0406/000/01 0441/063/63 06 Fat16
	x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	S 000000063 000185409 0544/001/01 0589/063/63 16 other
	S 000000000 000000000 0000/000/00 0000/000/00 00
	P 002560320 000064512 0635/000/01 0650/063/63 83 Linux
	P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap
	Destination Disk Drive 0x81, BIOS: Legacy Interrupt 13 bios 0786/254/63 (max cyl/hd values)
	Interrupt 13 bios 0/86/254/63 (max cyl/nd values) Interrupt 13 ext 00787/255/63 (number of cyl/hd)
	12643155 total number of sectors reported via interrupt 13 from the BIOS
	Start LBA Length Start C/H/S End C/H/S boot Partition type
	P 000000063 001230327 0000/001/01 1023/014/63 Boot 06 Fat16

X 001431990 001129905 1023/014/63 1023/014/63 05 extended
S 00000063 000205632 1023/014/63 1023/014/63 83 Linux x 000205695 000145530 1023/014/63 1023/014/63 05 extended S 00000063 000145467 1023/014/63 1023/014/63 05 extended S 00000063 000185976 1023/014/63 1023/014/63 05 extended S 00000063 000185913 1023/014/63 1023/014/63 05 extended S 000000063 000185913 1023/014/63 1023/014/63 16 other S 000000000 000000000 0000/000/000 0000/000/00 00
x 000205695 000145530 1023/014/63 1023/014/63 05 extended \$ 000000063 000145467 1023/014/63 1023/014/63 05 extended \$ 000000063 000185976 1023/014/63 1023/014/63 16 other \$ 000000000 000000000 0000/000000000000
S 00000063 000145467 1023/014/63 1023/014/63 06 Fat16 x 000762489 000185976 1023/014/63 1023/014/63 16 other S 000000063 000185913 1023/014/63 1023/014/63 16 other S 000000000 00000000 000000000 0000/000/
x 000762489 000185976 1023/014/63 1023/014/63 05 extended S 000000006 000185913 1023/014/63 1023/014/63 16 other S 000000000 00000000000000000000000000
S 000000063 000185913 1023/014/63 1023/014/63 16 other
S 000000000 000000000 0000/000/00 000 empty entry P 002561895 000065205 1023/014/63 1023/014/63 82 Linux swap Safeback log: DI-047/SB_047C.TXT Safeback 2.18 13Feb01 execution started on Oct 26, 2001 08:43.
P 002764188 000411957 1023/014/63 1023/014/63 82 Linux swap Safeback log: DI-047/SB_047C.TXT
P 002764188 000411957 1023/014/63 1023/014/63 82 Linux swap Safeback log: DI-047/SB_047C.TXT
Safeback log: DI-047/SB_047C.TXT SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 08:43. 08:43:44 Menu selections: Function: Copy Direct access: Yes Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 08:43. Menu selections: Function: Copy Direct access: Yes Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
08:43:44 Menu selections: Function: Copy Direct access: Yes Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders13410 Heads15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to 787 cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
Function: Copy Direct access: Yes Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders13410 Heads15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
Direct access: Yes Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders13410 Heads15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09p07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders13410 Heads15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to 787 cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
Adjust partitions: Auto Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
Backfill on restore: Yes 08:44:15 Copy from Local drive 0: to local drive 1: 08:44:21 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 08:44 08:44:21 Local SafeBack is running on DOS 6.30 08:44:21 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Model: WDC AC21600H Serial Number: WD-WM3364967067 Firmware version: 24.09P07 IDE controller port with LBA direct drive access used. Destination drive 1: Capacity6188 MB Cylinders13410 Heads15 Model: FUJITSU MPE3064AT Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to 787 cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
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Serial Number: 05294480 Firmware version: ED-03-04 IDE controller port with LBA direct drive access used. 08:44:28 SafeBack has set the apparent geometry of the source drive to 787 cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
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787 cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
cylinders, 64 heads and 63 sectors/head after examining the master boot record. 09:09:28 Partition table for drive 1:
09:09:28 Partition table for drive 1:
09:09:29 Copy of drive 0: to drive 1: completed on Oct 26, 2001 09:09
SafeBack execution ended on Oct 26, 2001 09:10.
= = = Measurement Logs = = = =
Cylinder adjustment/alignment Summary
Boot tracks 4 252 diffs 4
Partitions 6 2241540 diffs 9
Unallocated 4 931392 diffs 0
Total src sectors 3173184
Partition excess 2961 zero 2856 non-zero 105
Disk excess 9496305 zero 9496305 non-zero 0
Total dst sectors 12672450
Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected Source disk is unchanged
Results: src compares qualified equal to dst
Actual Cylinder Alignment anomaly
Results:
Analysis: Expected results not achieved

Case DI-048 for	SafeBack 2.18
Case Summary:	Copy a direct access IDE source disk
	to a direct access IDE destination disk
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Fri Oct 19 11:28:03 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label B6
	Destination: DOS Drive 81 Physical Label B7

Case DI-048 for	r SafeBack 2.18
	Image media: DOS Drive 82 Physical Label none
	B6 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B6
БССЦР	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 16:51:15 2001
	cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new_log
	Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Destination	Z:\ss\DISKWIPE.EXE DI-048 Cadfael 81 B7 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-048 Cadfael 80 /all /new_log /comment JRL(B6)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-048 Cadfael 80 B6 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-048 cadfael 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-048
loc:	
Log File	Safeback log: DI-048/SB_048C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 19, 2001 11:39.
iiigiiiigiicb.	11:40:08 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	11:40:44 Copy from Local drive 0: to local drive 1:
	11:40:48 Copy of Local drive 0: to drive 1: begun on Oct 19, 2001 11:40
	11:40:48 Local SafeBack is running on DOS 6.30
	11:40:48 Partition table for drive 0:
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3363275935
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3362453003
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	11:54:02 Copy of drive 0: to drive 1: completed on Oct 19, 2001 11:54
	SafeBack execution ended on Oct 19, 2001 11:34
	· ·
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-049 for	r SafeBack 2.18
Case Summary:	Copy a direct access IDE source disk
	to a direct access IDE destination disk
Togtor Namo:	where the source disk is larger than the destination JRL
Tester Name: Test Date:	Fri Oct 26 10:06:31 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label F5
	Destination: DOS Drive 81 Physical Label A6
	Image media: DOS Drive 82 Physical Label none
	F5 is an IBM-DTLA-307020 with 40188960 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: F5
	Host: Cadfael
	Operator: JRL
	OS: WindowsMe/Linux Date: Sat Aug 11 11:13:43 2001
	Date - Date Aug 11 11 - 13 - 13 2001
	DISKWIPE.EXE F5_SRC Cadfael 80 F5 /src
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt</pre>
	Load Operating System to Source disk
	DISKHASH.EXE F5_SRC Cadfael 80 /before
	Disk hash = 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Destination	Z:\ss\DISKWIPE.EXE DI-049 Cadfael 81 A6 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-049 Cadfael 80 /all /new_log /comment JRL(F5)
	z:\sb\master (copy) Z:\ss\DISKCMP.EXE DI-049 Cadfael 80 F5 81 A6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-049 Cadfael 80 /comment JRL(F5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-049
loc:	
Log File Highlights:	Safeback log: DI-049/SB_049C.TXT SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 11:04.
inightights.	11:04:44 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No Backfill on restore: No
	SafeBack execution ended on Oct 26, 2001 11:05.
	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 11:08.
	11:09:08 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto Adjust partitions: No
	Backfill on restore: No
	11:09:51 Copy from Local drive 0: to local drive 1:
	11:09:51 Insufficient destination file space projected.
	11:10:03 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 11:10
	11:10:03 Local SafeBack is running on DOS 6.30 11:10:03 Partition table for drive 0:
	Source drive 0:
	Capacity19624 MB
	Cylinders39870
	Heads16
	Model: IBM-DTLA-307020 Serial Number: YHDYHLD2706
	Firmware version: TX3GA50C
	IDE controller port with LBA direct drive access used.
	Destination drive 1:
	Capacity19093 MB
	Cylinders38792 Heads16
	Model: WDC WD200BB-00AUA1
	1 11 11 11 11 11 11 11 11 11 11 11 11 1

Case DI-049 for	SafeBack 2.18
	Serial Number: WD-WMA6Y3452777
	Firmware version: 18.20D18
	IDE controller port with LBA direct drive access used. 13:38:13 Copy of drive 0: to drive 1: completed on Oct 26, 2001 13:38 SafeBack execution ended on Oct 26, 2001 13:43.
	= = = Measurement Logs = = = = Sectors Compared 39102336
	Sectors Differ 0
	Diffs range
	Source (40188960) has 1086624 more sectors than destination (39102336) Hash after test: 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual Results:	No anomalies
Analysis:	Expected results achieved

Case DI-050 fo	r SafeBack 2.18
Case Summary:	Copy an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Thu Oct 18 13:41:20 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E6
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E6 is a SEAGATE ST318404LC with 35843670 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DIGNITURE FOR FIG. CDC Daywells 00 FIG. / www. / www.ls.
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before
	DISKHASH.EME ES_SKC Kumpute 00 / Defore
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-050 Cadfael 81 E6 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-050 Cadfael 80 /all /new_log /comment JRL(E3)
21100000	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-050 Cadfael 80 E3 81 E6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-050 cadfael 80 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-050
loc:	
Log File	Safeback log: DI-050/SB_050C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 18, 2001 14:17.
-	14:18:35 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	14:19:06 Copy from Local drive 0: to local drive 1:
	14:19:12 Copy of Local drive 0: to drive 1: begun on Oct 18, 2001 14:19
	14:19:12 Local SafeBack is running on DOS 6.30
	14:19:12 Partition table for drive 0:
	Source drive 0:
	Capacity8759 MB

Case DI-050 for	SafeBack 2.18
	Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	Destination drive 1:
	Capacity17502 MB
	Cylinders14384
	Heads6
	Model: SEAGATE ST318404LC
	Serial Number: 3BT1ZWXT
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	14:29:22 Copy of drive 0: to drive 1: completed on Oct 18, 2001 14:29
	SafeBack execution ended on Oct 18, 2001 14:29.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17904685 fewer sectors than destination (35843670)
	Zero fill: 17904685
	Src Byte fill (E3): 0
	Dst Byte fill (E6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

	SafeBack 2.18
Case Summary:	Copy an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Thu Oct 18 16:43:56 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E6
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E6 is a SEAGATE ST318404LC with 35843670 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt</pre>
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-051 Cadfael 81 E6 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-051 Cadfael 80 /all /new_log /comment JRL(E3)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-051 Cadfael 80 E3 81 E6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-051 cadfael 80 /comment JRL(E3) /new_log /after

Case DI-051 for	SafeBack 2.18
Log files	test-archive/sb/sb-2.18/DI-051
loc:	
Log File	Safeback log: DI-051/SB_051C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 18, 2001 16:57.
підпітупсь.	16:57:49 Menu selections:
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: Yes
	16:58:13 Copy from Local drive 0: to local drive 1:
	16:58:18 Copy of Local drive 0: to drive 1: begun on Oct 18, 2001 16:58
	16:58:18 Local SafeBack is running on DOS 6.30
	16:58:18 Partition table for drive 0:
	Source drive 0:
	Capacity8759 MB
	Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	Destination drive 1:
	Capacity17502 MB
	Cylinders14384
	Heads6
	Model: SEAGATE ST318404LC
	Serial Number: 3BT1ZWXT
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	17:08:29 Copy of drive 0: to drive 1: completed on Oct 18, 2001 17:08
	SafeBack execution ended on Oct 18, 2001 18:12.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17904685 fewer sectors than destination (35843670)
	Zero fill: 17904685
	Src Byte fill (E3): 0
	Dst Byte fill (E6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved
IMIGITY DID.	Imperior reputer defitered

Case DI-054 for	Case DI-054 for SafeBack 2.18	
Case Summary:	Copy an ASPI SCSI source disk	
	to an ASPI SCSI destination disk	
	where the source disk is the same size as the destination	
Tester Name:	KBR	
Test Date:	Thu Nov 15 08:05:41 2001	
PC:	marple	
Disks:	Source: DOS Drive 80 Physical Label CO	
	Destination: DOS Drive 81 Physical Label C1	
	Image media: DOS Drive 82 Physical Label none	
	CO is a SEAGATE ST39204LC with 17921835 sectors	
	C1 is a SEAGATE ST39204LC with 17921835 sectors	
	Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Diskwipe only, no OS	
setup:	Disk: CO	
	Host: Marple	
	Operator: KBR	
	OS: NoOs	
	Options: none	

Case DI-054 for	SafeBack 2.18
	Date: Mon Nov 05 08:29:33 2001
	cmd: Z:\ss\DISKWIPE.EXE CO Marple 80 CO /src /new_log
	No partitions defined
	No OS loaded
	cmd: Z:\ss\DISKHASH.EXE CO Marple 80 /before /new_log
	Disk hash = 469216C0D380A3E415690ADA72F560EAA71693F0
Destination	Z:\ss\DISKWIPE.EXE DI-054 marple 81 C1 /noask /dst /new_log /comment KBR
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-054 marple 80 /all /new_log /comment KBR(C1)
	Z:\ss\PARTAB.EXE DI-054 marple 81 /all /new_log /comment KBR(C1)
	Z:\ss\DISKCMP.EXE DI-054 marple 80 C0 81 C1 /new_log /comment KBR
Ton files	Z:\ss\DISKHASH.EXE DI-054 marple 80 /comment KBR(C0) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-054
Log File	Safeback log: DI-054/DI054SB.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 08:56.
nightights.	08:56:34 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	08:57:00 Copy from Local drive 0: to local drive 1:
	08:57:09 Copy of Local drive 0: to drive 1: begun on Nov 15, 2001 08:57
	08:57:09 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity8751 MB
	Cylinders14384
	Heads3
	Model: SEAGATE ST39204LW
	Serial Number: 3BV0N0VW
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	Destination drive 1:
	Capacity8751 MB Cylinders14384
	Heads3
	Model: SEAGATE ST39204LW
	Serial Number: 3BVONJ7F
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	09:07:01 Copy of drive 0: to drive 1: completed on Nov 15, 2001 09:07
	SafeBack execution ended on Nov 15, 2001 11:12.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range
	Hash after test: 469216C0D380A3E415690ADA72F560EAA71693F0
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-055 for SafeBack 2.18	
Case Summary:	Copy an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Thu Oct 18 10:44:09 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label EA
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors

Case DI-055 for	r SafeBack 2.18
	EA is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	DESIGNATION DE L'AMPORT DE PARTIE DE L'AMPORT DE L'AMP
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-055 Cadfael 81 EA /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-055 Cadfael 80 /all /new_log /comment JRL(E3)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-055 Cadfael 80 E3 81 EA /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-055 cadfael 80 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-055
loc:	
Log File	Safeback log: DI-055/SB_055C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 18, 2001 10:50.
	10:50:45 Menu selections:
	Function: Copy
	Direct access: Yes
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:51:15 Copy from Local drive 0: to local drive 1:
	10:51:15 Insufficient destination file space projected.
	10:51:23 Copy of Local drive 0: to drive 1: begun on Oct 18, 2001 10:51
	10:51:23 Local SafeBack is running on DOS 6.30
	10:51:23 Partition table for drive 0: Source drive 0:
	Capacity8759 MB
	Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	Destination drive 1:
	Capacity8751 MB
	Cylinders14384
	Heads3
	Model: SEAGATE ST39204LC
	Serial Number: 3BV0WL0D
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	10:56:26 Copy of drive 0: to drive 1: completed on Oct 18, 2001 10:56
	SafeBack execution ended on Oct 18, 2001 10:56.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17150 more sectors than destination (17921835)
<u></u>	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
7 7	truncation is logged
Actual	No anomalies
Results:	Exported regults ashioved
Analysis:	Expected results achieved

	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-SCSI destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date: PC:	Fri Oct 26 12:23:38 2001 Rumpole
Disks:	Source: DOS Drive 80 Physical Label B6
DIBKS.	Destination: DOS Drive 81 Physical Label EA
	Image media: DOS Drive 82 Physical Label none
	B6 is a WDC AC21600H with 3173184 sectors
	EA is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B6
_	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical Date: Thu Oct 18 16:51:15 2001
	Date: Illu Oct 18 10:51:15 2001
	cmd: Z:\ss\DISKWIPE.EXE B6 JudgeDee 80 B6 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B6 JudgeDee 80 /before /new_log
	Disk hash = 9AE1258B907A84E4AD2355BDCC21E9626822F071
Destination	Z:\ss\DISKWIPE.EXE DI-056 Rumpole 81 EA /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-056 Rumpole 80 /all /new_log /comment JRL(B6)
	z:\sb\master (copy) Z:\ss\DISKCMP.EXE DI-056 Rumpole 80 B6 81 EA /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-056 Rumpole 80 /comment JRL(B6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-056
loc: Log File	
Log File	Cofobools loss DI OEC/CD OECC MYM
_	SafeBack 10g: DI-056/SB_056C.TXT SafeBack 2 18 13Feb01 evenution started on Oct 26 2001 12:29
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29.
_	
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0:
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0:
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function:
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0:
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1:
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders8751 MB Cylinders1115
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB Cylinders115 Heads255
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders8751 MB Cylinders1115
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = =
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. Menu selections: Function: Copy Direct access: No Use XBIOS: Adjust partitions: Backfill on restore: No Backfill on restore: 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. Menu selections: Function: Ouse XBIOS: Adjust partitions: Backfill on restore: No Backfill on restore: 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Capacity1549 MB Cylinders3148 Heads16 Destination drive 1: Capacity8751 MB Cylinders1115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 14748651 fewer sectors than destination (17921835)
_	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 14748651 fewer sectors than destination (17921835) Zero fill: 14748651 Src Byte fill (B6): 0 Dst Byte fill (EA): 0
-	SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 12:29. The tape drive was not used. 12:29:51 Menu selections: Function: Copy Direct access: No Use XBIOS: Adjust partitions: Backfill on restore: No 12:30:02 Copy from Local drive 0: to local drive 1: 12:30:06 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 12:30 12:30:06 Local SafeBack is running on DOS 6.30 12:30:06 Partition table for drive 0: Source drive 0: Capacity1549 MB Cylinders16 Destination drive 1: Capacity8751 MB Cylinders115 Heads255 12:39:24 Copy of drive 0: to drive 1: completed on Oct 26, 2001 12:39 SafeBack execution ended on Oct 26, 2001 12:42. = = = Measurement Logs = = = Sectors Compared 3173184 Sectors Differ 0 Diffs range Source (3173184) has 14748651 fewer sectors than destination (17921835) Zero fill: 14748651 Src Byte fill (B6): 0

Case DI-056 for SafeBack 2.18	
	Hash after test: 9AE1258B907A84E4AD2355BDCC21E9626822F071
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-057 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
1	to an XBIOS-SCSI destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Fri Oct 26 15:30:02 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label EA
	Image media: DOS Drive 82 Physical Label none B8 is a WDC AC21600H with 3173184 sectors
	EA is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
-	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Cilid. 2.\SS\DISKHASH.EME BO_SIC Cautaer 80 /Derore /Hew_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-057 Rumpole 81 EA /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-057 Rumpole 80 /all /new_log /comment JRL(B8)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-057 Rumpole 80 B8 81 EA /new_log /comment JRL
- 613	z:\ss\DISKHASH.EXE DI-057 JudgeDee 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-057
loc:	G. f. hard. Land DT. OF T. (GD. OF T. G. mym.
Log File Highlights:	SafeBack log: DI-057/SB_057C.TXT SafeBack 2.18 13Feb01 execution started on Oct 26, 2001 15:38.
підпітідпсь.	The tape drive was not used.
	15:38:27 Menu selections:
	Function: Copy
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: Yes
	15:38:37 Copy from Local drive 0: to local drive 1:
	15:38:41 Copy of Local drive 0: to drive 1: begun on Oct 26, 2001 15:38
	15:38:41 Local SafeBack is running on DOS 6.30
	15:38:41 Partition table for drive 0:
	Source drive 0: Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity8751 MB
	Cylinders4444
	Heads64
	15:47:58 Copy of drive 0: to drive 1: completed on Oct 26, 2001 15:47
	SafeBack execution ended on Oct 26, 2001 15:49.

Case DI-057 for	SafeBack 2.18
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 14748651 fewer sectors than destination (17921835)
	Zero fill: 14748651
	Src Byte fill (B8): 0
	Dst Byte fill (EA): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-058 fo	r SafeBack 2.18
Case Summary:	Copy an XBIOS-IDE source disk
	to an XBIOS-SCSI destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Tue Nov 06 12:10:25 2001
PC:	Wimsey
Disks:	Source: DOS Drive 80 Physical Label F5
	Destination: DOS Drive 81 Physical Label EB
	Image media: DOS Drive 82 Physical Label none
	F5 is an IBM-DTLA-307020 with 40188960 sectors
	EB is a SEAGATE ST39204LC with 17921835 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: F5
	Host: Cadfael
	Operator: JRL
	OS: WindowsMe/Linux
	Date: Sat Aug 11 11:13:43 2001
	DISKWIPE.EXE F5_SRC Cadfael 80 F5 /src
	<pre>X:\pm\pqmagic /cmd=X:\pm\fat-src.txt</pre>
	Load Operating System to Source disk
	DISKHASH.EXE F5_SRC Cadfael 80 /before
	D
D	Disk hash = 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-058 Wimsey 81 EB /noask /dst /new_log /comment JRL
Error Setup: Execute:	none Z:\ss\PARTAB.EXE DI-058 Wimsey 80 /all /new_log /comment JRL(EB)
Execute.	Z:\ss\PARTAB.EXE DI=058 Wimsey 80 /all /new_log /comment JRL(EB) Z:\ss\PARTAB.EXE DI=058 Wimsey 81 /all /new_log /comment JRL(EB)
	z:\sb\master (copy) Z:\ss\DISKCMP.EXE DI-058 Wimsey 80 F5 81 EB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-058 Willisey 80 F5 81 EB / New_log / Comment JRL(F5) / new_log / after
Log files	test-archive/sb/sb-2.18/DI-058
log illes	test-archive/sb/sb-2.10/DI-030
Log File	Safeback log: DI-058/SB 058C.TXT
LOG FIIE	
Wighlighta:	
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17.
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function: Copy
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function: Copy Direct access: No Use XBIOS: Adjust partitions: No
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function: Copy Direct access: No Use XBIOS: Adjust partitions: Backfill on restore: No
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function: Copy Direct access: No Use XBIOS: Adjust partitions: Backfill on restore: No 12:18:07 Copy from Local drive 0: to local drive 1:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function:
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 12:17. 12:17:53 Menu selections: Function:

Case DI-058	for SafeBack 2.18
	Capacity19624 MB
	Cylinders2501
	Heads255
	Destination drive 1:
	Capacity8751 MB
	Cylinders1115
	Heads255
	12:38:13 Copy of drive 0: to drive 1: completed on Nov 6, 2001 12:38 SafeBack execution ended on Nov 6, 2001 13:22.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range
	Source (40188960) has 22267125 more sectors than destination (17921835) Hash after test: 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-059 fo	r SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Sun Nov 04 11:21:26 2001
PC:	Rumpole
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 80 Physical Label A8
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	2400 240 341 22 20 27 27 2002
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Distribit in 15_5ke kampele of /belefe
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-059 Rumpole 80 A8 /noask /dst /new_log /comment JRL
Setup:	_ (== (== (== == == == == == == == == ==
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-059 Rumpole 80 /all /new_log /comment JRL(A8)
21100000	Z:\ss\PARTAB.EXE DI-059 Rumpole 81 /all /new_log /comment JRL(A8)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-059 Rumpole 81 E3 80 A8 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-059 Rumpole 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-059
loc:	test archive/sb/sb 2.10/DI 039
Log File	Safeback log: DI-059/SB_059C.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 12:03.
Highlights.	The tape drive was not used.
	12:03:45 Menu selections:
	1111
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No

Case DI-059 for	SafeBack 2.18
	12:04:02 Copy from Local drive 1: to local drive 0:
	12:04:08 Copy of Local drive 1: to drive 0: begun on Nov 4, 2001 12:04
	12:04:08 Local SafeBack is running on DOS 6.30
	12:04:08 Partition table for drive 1:
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 0:
	Capacity19093 MB
	Cylinders2434
	Heads255
	12:45:18 Copy of drive 1: to drive 0: completed on Nov 4, 2001 12:45
	SafeBack execution ended on Nov 4, 2001 13:03.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336)
	Zero fill: 21163351 rewer sectors than destination (39102336)
	Src Byte fill (E3): 0
	Dst Byte fill (A8): 0
	Other fill: 0
	Other no fill:
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-060 for	
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination
	and sector fill is turned on
Tester Name:	JRL
Test Date:	Sun Nov 04 12:29:50 2001
PC:	Cadfael
Disks:	Source: DOS Drive 81 Physical Label E4
	Destination: DOS Drive 80 Physical Label A6
	Image media: DOS Drive 82 Physical Label none
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	<pre>X:\pm\pqmagic /cmd=X:\pm\nt-src.txt</pre>
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-060 Cadfael 80 A6 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-060 Cadfael 80 /all /new_log /comment JRL(A6)
	Z:\ss\PARTAB.EXE DI-060 Cadfael 81 /all /new_log /comment JRL(A6)
	z:\sb\master (copy)
	Z:\ss\DISKCMP.EXE DI-060 Cadfael 81 E4 80 A6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-060 Cadfael 81 /comment JRL(E4) /new_log /after

Log files Lest-archive/sb/sb-2.18/DI-060	Case DI-060 for	SafeBack 2.18
Safeback log: DI-060/SB_060C.TXT	Log files	test-archive/sb/sb-2.18/DI-060
### SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 13:12. 13:12:32	loc:	
13:12:32 Menu selections:	Log File	Safeback log: DI-060/SB_060C.TXT
Function: Copy Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: Yes 13:12:42 Copy from Local drive 1: to local drive 0: 13:12:47 Copy of Local drive 1: to drive 0: begun on Nov 4, 2001 13:12 13:12:47 Local SafeBack is running on DOS 6.30 13:12:47 Partition table for drive 1: Source drive 1: Capacity8759 MB Cylinders1116 Heads255 Destination drive 0: Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: Pive Adjust partitions: No Results: No Randing Press Results: No Randing Press Results: No Randing Press Results: No Randing Results: No Ra	Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 13:12.
Direct access: No Use XBIOS: Yes		13:12:32 Menu selections:
Use XBIOS: Yes Adjust partitions: No Backfill on restore: Yes 13:12:42 Copy from Local drive 1: to local drive 0: 13:12:47 Copy of Local drive 1: to drive 0: begun on Nov 4, 2001 13:12 13:12:47 Local SafeBack is running on DOS 6.30 13:12:47 Partition table for drive 1: Source drive 1:		Function: Copy
Adjust partitions: No		Direct access: No
Backfill on restore: Yes 13:12:42 Copy from Local drive 1: to local drive 0: 13:12:47 Copy of Local drive 1: to drive 0: begun on Nov 4, 2001 13:12 13:12:47 Local SafeBack is running on DOS 6.30 13:12:47 Partition table for drive 1: Source drive 1: Capacity8759 MB Cylinders1116 Heads255 Destination drive 0: Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3EOBD1909C96E368DB27F51C49CBF Source disk is unchanged Src compares qualified equal to dst Actual No anomalies		
13:12:42 Copy from Local drive 1: to local drive 0: 13:12:47 Copy of Local drive 1: to drive 0: begun on Nov 4, 2001 13:12 13:12:47 Local SafeBack is running on DOS 6.30 13:12:47 Partition table for drive 1:		Adjust partitions: No
13:12:47 Copy of Local drive 1: to drive 0: begun on Nov		
13:12:47 Local SafeBack is running on DOS 6.30 13:12:47 Partition table for drive 1: Source drive 1: Capacity8759 MB Cylinders1116 Heads255 Destination drive 0: Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: No anomalies		13:12:42 Copy from Local drive 1: to local drive 0:
13:12:47 Partition table for drive 1: Source drive 1: Capacity8759 MB Cylinders1116 Heads255 Destination drive 0: Capacity1993 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other no fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3EOBD1909C96E368DB27F51C49CBF Expected Results: No anomalies		13:12:47
Source drive 1:		13:12:47 Local SafeBack is running on DOS 6.30
Capacity8759 MB Cylinders1116 Heads255 Destination drive 0: Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: No anomalies		13:12:47 Partition table for drive 1:
Cylinders1116		Source drive 1:
Heads255 Destination drive 0: Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6BZD3E0BD1909C96E368DB27F51C49CBF Expected Source disk is unchanged Results: No anomalies		Capacity8759 MB
Destination drive 0:		Cylinders1116
Capacity19093 MB Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3EOBD1909C96E368DB27F51C49CBF Expected Results: Src compares qualified equal to dst Actual Results:		Heads255
Cylinders2434 Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54 SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies		Destination drive 0:
Heads255 13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54		Capacity19093 MB
13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54		Cylinders2434
SafeBack execution ended on Nov 4, 2001 14:10. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies Results:		Heads255
= = = Measurement Logs = = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies Results:		13:54:15 Copy of drive 1: to drive 0: completed on Nov 4, 2001 13:54
Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies No anomalies		SafeBack execution ended on Nov 4, 2001 14:10.
Sectors Differ 0 Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: Src compares qualified equal to dst Actual Results: No anomalies		= = = Measurement Logs = = = =
Diffs range Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies No anomalies		Sectors Compared 17938985
Source (17938985) has 21163351 fewer sectors than destination (39102336) Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged Results: No anomalies No anomalies		Sectors Differ 0
Zero fill: 21163351 Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: src compares qualified equal to dst Actual Results: No anomalies		Diffs range
Src Byte fill (E4): 0 Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged src compares qualified equal to dst Actual Results: No anomalies		Source (17938985) has 21163351 fewer sectors than destination (39102336)
Dst Byte fill (A6): 0 Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Results: Source disk is unchanged src compares qualified equal to dst Actual Results: No anomalies		Zero fill: 21163351
Other fill: 0 Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Results: Results:		Src Byte fill (E4): 0
Other no fill: 0 Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Results: No anomalies		
Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Expected Source disk is unchanged Results: src compares qualified equal to dst Actual No anomalies Results:		
Expected Source disk is unchanged Results: src compares qualified equal to dst Actual No anomalies Results:		
Results: src compares qualified equal to dst Actual No anomalies Results:		
Actual No anomalies Results:		
Results:		
		No anomalies
Property description of the control	Results:	
Analysis: Expected results achieved	Analysis:	Expected results achieved

Case DI-061 for	SafeBack 2.18
Case Summary:	Copy an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Sat Nov 03 10:26:13 2001
PC:	Rumpole
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 80 Physical Label BB
	Image media: DOS Drive 82 Physical Label none
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3 SRC Rumpole 80 E3 /src /new log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-061 Rumpole 80 BB /noask /dst /new_log /comment JRL

Case DI-061 for	SafeBack 2.18
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-061 Rumpole 80 /all /new_log /comment JRL(BB) Z:\ss\PARTAB.EXE DI-061 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (copy) Z:\ss\DISKCMP.EXE DI-061 Rumpole 81 E3 80 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-061 Rumpole 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-061
loc:	
Log File Highlights:	Safeback log: DI-061/SB_061C.TXT
	Source (17938985) has 11632937 more sectors than destination (6306048)
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected Results:	Source disk is unchanged src compares qualified equal to dst, src is truncated on dst truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-062 for	SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk to a BIOS-IDE destination disk where the source disk is smaller than the destination Introduce an error on the image.
Tester Name:	JRL
Test Date:	Sun Nov 04 12:53:38 2001
PC:	Beta6
Disks:	Source: DOS Drive 80 Physical Label A3 Destination: DOS Drive 81 Physical Label BD Image media: DOS Drive 82 Physical Label D3 A3 is a Quantum Sirooco1700A with 3335472 sectors BD is a QUANTUM FIREBALL ST3.2A with 6306048 sectors D3 is a Fujitsu MPE3064AT with 12672450 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk setup:	Linux EXT2 & DOS Fat16 Disk: A3 Host: JudgeDee Operator: JRL OS: Windows/Me Options: Typical

Case DI-062 for	SafeBack 2.18			
	Date: Sat Nov 03 16:01:24 2001			
	cmd: Z:\ss\DISKWIPE.EXE A3 JudgeDee 80 A3 /src /new_log			
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt Load Operating System to Source disk			
	cmd: Z:\ss\DISKHASH.EXE A3 JudgeDee 80 /before /new log			
	ond I (so (SISHIIDII IIS oddgeSee oo / SeIeIe / Hen_Ieg			
	Disk hash = 27E36D91D13ADEE11316951CFE492E3C66053191			
Destination	Z:\ss\DISKWIPE.EXE DI-062 Beta6 81 BD /noask /dst /new_log /comment JRL			
Setup:				
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-062 Host C:\IMG.001 9208 AE /comment None Change byte 9208 of file C:\IMG.001 from 0xFFA3 to 0xFFAE			
Execute:	Z:\ss\PARTAB.EXE DI-062 Beta6 80 /all /new_log /comment JRL(BD)			
IACCUCC.	Z:\ss\PARTAB.EXE DI-062 Beta6 81 /all /new log /comment JRL(BD)			
	z:\sb\master (backup to image)			
	z:\sb\master (restore from image)			
	Z:\ss\DISKCMP.EXE DI-062 Beta6 80 A3 81 BD /new_log /comment JRL			
Tam files	Z:\ss\DISKHASH.EXE DI-062 Beta6 80 /comment JRL(A3) /new_log /after			
Log files loc:	test-archive/sb/sb-2.18/DI-062			
Log File	Safeback log: DI-062/SB_062B.TXT			
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 13:14.			
	13:14:34 Menu selections:			
	Function: Backup Direct access: No			
	Direct access: No Use XBIOS: No			
	Adjust partitions: No			
	Backfill on restore: No			
	13:14:53 Backup file D:\IMG.001 created.			
	Backup file comment record:			
	DI-062 13:15:01 Backing up drive 0:			
	to D:\IMG.001 on Nov 4, 2001 13:15			
	13:15:03 Local SafeBack is running on DOS 6.30			
	Source drive 0:			
	Capacity1628 MB			
	Cylinders827			
	Heads64 13:15:03 Partition table for drive 0:			
	13:27:24 Backup file CRC: 77b22116.			
	13:27:24 Backup of drive 0: completed on Nov 4, 2001 13:27.			
	SafeBack execution ended on Nov 4, 2001 14:04.			
	Safeback log: DI-062/SB_062R.TXT			
	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 14:24.			
	14:24:29 Menu selections: Function: Restore			
	Direct access: No			
	Use XBIOS: No			
	Adjust partitions: No			
	Backfill on restore: No			
	14:24:44 Backup file created on Nov 4, 2001 13:15 by Gary Fisher Natl Institute of Standards & Technology			
	Software Diagnostics & Con			
	Backup file comment record:			
	DI-062			
	14:24:48 Backup file C:\IMG.001 opened for access.			
	14:25:12 Restore of drive 0: from C:\IMG.001			
	to drive 1: started on Nov 4, 2001 14:25 14:25:12 Partition fixup has been disabled.			
	14:25:12 Local SafeBack is running on DOS 6.30			
	Source drive 0:			
	Capacity1628 MB			
	Cylinders827			
	Heads64			
	Destination drive 1: Capacity3079 MB			
	Cylinders782			
	Heads128			
	14:25:12 IMG.001, record 0 has a CRC error. 9649 was expected, but e5c4			
	read.			

Case DI-062 for	SafeBack 2.18
	14:26:50 Backup file CRC error ignored by recovery at sector 0.
	14:27:13 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	14:38:34 CRC mismatch: Calculated: e8b30a50, Read: 77b22116
	14:44:00 Restore of drive 0: to drive 1: completed on Nov 4, 2001 14:44
	14:51:33 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 4, 2001 14:51.
	= = = Measurement Logs = = = =
	Sectors Compared 3335472
	Sectors Differ 1009
	Diffs range 17, 3334464-3335471
	Source (3335472) has 2970576 fewer sectors than destination (6306048)
	Zero fill: 2970576
	Src Byte fill (A3): 0
	Dst Byte fill (BD): 0
	Other fill: 0
	Other no fill: 0
Done on the d	Hash after test: 27E36D91D13ADEE11316951CFE492E3C66053191
Expected Results:	Source disk is unchanged
	image verification error
Actual	BIOS anomaly, Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-063 for SafeBack 2.18 Case Summary: Create an image from a BIOS-IDE source disk to a BIOS-IDE destination disk where the source disk is smaller than the destination Tester Name: JRL Test Date: Thu Nov 01 14:57:33 2001 PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7 Image media: DOS Drive 82 Physical Label D3	
to a BIOS-IDE destination disk where the source disk is smaller than the destination Tester Name: JRL Test Date: Thu Nov 01 14:57:33 2001 PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
where the source disk is smaller than the destination Tester Name: JRL Test Date: Thu Nov 01 14:57:33 2001 PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
Tester Name: JRL Test Date: Thu Nov 01 14:57:33 2001 PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
Test Date: Thu Nov 01 14:57:33 2001 PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
PC: Beta4 Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
Disks: Source: DOS Drive 80 Physical Label B5 Destination: DOS Drive 81 Physical Label D7	
Destination: DOS Drive 81 Physical Label D7	
B5 is a WDC AC21600H with 3173184 sectors	
D7 is a Quantum Sirooco1700A with 3335472 sectors	
D3 is a Fujitsu MPE3064AT with 12672450 sectors	
Jaz disk with partition magic and scripts	
FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk Linux EXT2 & DOS Fat16	
setup: Disk: B5	
Host: JudgeDee	
Operator: JRL	
OS: Windows/Me	
Options: Typical	
Date: Mon Oct 15 11:18:11 2001	
cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new log	
X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt	
Load Operating System to Source disk	
cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log	
Disk hash = BD4140E6924156E1870E00983701405645359A00	
Destination Z:\ss\DISKWIPE.EXE DI-063 Beta4 81 B7 /noask /dst /new_log /comment Setup:	: JRL
Error Setup: none	
Execute: Z:\ss\PARTAB.EXE DI-063 Beta4 80 /all /new_log /comment JRL(B7)	
Z:\ss\PARTAB.EXE DI-063 Beta4 81 /all /new_log /comment JRL(B7)	
z:\sb\master (backup to image)	
z:\sb\master (restore from image)	
Z:\ss\DISKCMP.EXE DI-063 Beta4 80 B5 81 B7 /new_log /comment JRL	
Z:\ss\DISKHASH.EXE DI-063 beta4 80 /comment JRL(B5) /new_log /after	2
Log files test-archive/sb/sb-2.18/DI-063	

Case DI-063 for	SafeBack	2.18
loc:	-	
Log File	Safeback	log: DI-063/SB_063B.TXT
Highlights:		SafeBack 2.18 13Feb01 execution started on Nov 1, 2001 14:58.
	14:58:56	Menu selections:
		Function: Backup
		Direct access: No
		Use XBIOS: No
		Adjust partitions: No
		Backfill on restore: No
		SafeBack execution ended on Nov 1, 2001 15:01.
		SafeBack 2.18 13Feb01 execution started on Nov 1, 2001 15:06.
	15:07:01	Menu selections:
		Function: Backup
		Direct access: No
		Use XBIOS: No
		Adjust partitions: No
		Backfill on restore: No
	15:07:25	Backup file D:\IMG.001 created.
		Backup file comment record:
		test 063
	15:07:49	Backing up drive 0:
		to D:\IMG.001 on Nov 1, 2001 15:07
	15:07:51	Local SafeBack is running on DOS 6.30
		Source drive 0:
		Capacity1549 MB
		Cylinders787
		Heads64
		Partition table for drive 0:
		Backup file CRC: c47d6f53.
	15:19:38	Backup of drive 0: completed on Nov 1, 2001 15:19.
	Cafabaala	SafeBack execution ended on Nov 1, 2001 15:25.
	Saleback	log: DI-063/SB_063R.TXT SafeBack 2.18 13Feb01 execution started on Nov 1, 2001 15:48.
	15.40.22	Menu selections:
	13.40.32	Function: Restore
		Direct access: No
		Use XBIOS: No
		Adjust partitions: No
		Backfill on restore: No
	15:49:16	Backup file created on Nov 1, 2001 15:07
		by Gary Fisher Natl Institute of Standards & Technology
	Software	Diagnostics & Con
		Backup file comment record:
		test 063
	15:49:20	Backup file C:\IMG.001 opened for access.
	15:49:38	Restore of drive 0: from C:\IMG.001
		to drive 1: started on Nov 1, 2001 15:49
		Partition fixup has been disabled.
	15:49:38	Local SafeBack is running on DOS 6.30
		Source drive 0:
		Capacity1549 MB
		Cylinders787
		Heads64
		Destination drive 1:
		Capacity1628 MB
		Cylinders827
	16.00.45	Heads64
	16:00:47	
		Restore of drive 0: to drive 1: completed on Nov 1, 2001 16:01 Menu selections:
	10.04.27	
		Function: Restore Direct access: No
		Use XBIOS: No
		Adjust partitions: No
		Backfill on restore: No
		SafeBack execution ended on Nov 1, 2001 16:04.
	Safeback	log: DI-063/SB_2-0.TXT
		SafeBack 2.0 31Jan00 execution started on Nov 1, 2001 15:05.
	15:05:40	Menu selections:
		Function: Backup
	•	

	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	• -
	Backfill on restore: No
	SafeBack execution ended on Nov 1, 2001 15:06.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 162288 fewer sectors than destination (3335472)
	Zero fill: 161280
	Src Byte fill (B5): 0
	Dst Byte fill (B7): 1008
	Other fill: 0
	Other no fill:
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	BIOS anomaly, Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-064 for	r SafeBack 2.18			
Case Summary:	Create an image from a BIOS-IDE source disk			
oabo bananar ₁	to a BIOS-IDE destination disk			
	where the source disk is the same size as the destination			
	Introduce a read error from the source.			
Tester Name:	JRL			
Test Date:	Tue Oct 08 07:48:50 2002			
PC:	Beta3			
Disks:	Source: DOS Drive 80 Physical Label A1			
	Destination: DOS Drive 81 Physical Label D7			
	Image media: DOS Drive 80 Physical Label D3			
	A1 is a Quantum Sirooco1700A with 3335472 sectors			
	D7 is a Quantum Sirooco1700A with 3335472 sectors			
	D3 is a Fujitsu MPE3064AT with 12672450 sectors			
	Jaz disk with partition magic and scripts			
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2			
Source disk	Linux EXT2 & DOS Fat16			
setup:	Disk: Al			
	Host: JudgeDee			
	Operator: JRL			
	OS: Windows/Me			
	Options: Typical			
	Date: Tue Oct 16 11:24:16 2001			
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log			
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt			
	Load Operating System to Source disk			
	cmd: Z:\ss\DISKHASH.EXE Al JudgeDee 80 /before /new_log			
.	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F			
Destination	Z:\ss\DISKWIPE.EXE DI-064 Beta3 81 D7 /noask /dst /new_log /comment JRL			
Setup: Error Setup:	No partition table defined Z:\ss\baddisk 80 5 2 61 2 10 > a:\err-064.txt			
Ellor Secup.	Z:\ss\baddisk 80 5 2 61 10 10 >> a:\err-064.txt			
	Version 3.2 Created 06/05/02 at 13:50:39			
	baddisk compiled on 06/05/02 at 12:19:31			
	return code 00010 on command 00002 from disk 00080			
	at address 00005/00002/00061			
	return code 00010 on command 00010 from disk 00080			
	at address 00005/00002/00061			
Execute:	z:\sb\master (backup to image)			
EVCCACE.	z:\sb\master (restore from image)			
	Z:\ss\DISKCMP.EXE DI-064 Beta3 80 A1 81 D7 /new_log /comment JRL			
	Z:\ss\DISKHASH.EXE DI-064 JudgeDee 80 /comment A1(JRL) /new_log /after			
Log files	test-archive/sb/sb-2.18/DI-064			
log:	6656 dronive, 557, 557 2.107, 51			
±00+	l			

Case DI-064 for	SafeBack 2.18
Log File	Safeback log: DI-064/SB_064B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 8, 2002 07:59.
	07:59:39 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No Backfill on restore: No
	08:00:11 Backup file F:\IMG.001 created.
	Backup file comment record:
	DI-064
	08:00:20 Backing up drive 0:
	to F:\IMG.001 on Oct 8, 2002 08:00
	08:00:21 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1628 MB Cylinders827
	Heads64
	08:00:21 Partition table for drive 0:
	08:00:26 While reading drive 0: a sector flagged bad error (status 0a)
	occurred:
	at relative sector 20346 (Cylinder 5, Head 2, Sector 61)
	08:14:17 Backup file CRC: b2ce8cc4.
	08:14:17 Backup of drive 0: completed on Oct 8, 2002 08:14.
	SafeBack execution ended on Oct 8, 2002 08:14. Safeback log: DI-064/SB_064R.TXT
	SafeBack 2.18 13Feb01 execution started on Oct 8, 2002 08:17.
	08:17:59 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	08:18:21 Backup file created on Oct 8, 2002 08:00 by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-064
	08:18:23 Backup file D:\IMG.001 opened for access.
	08:18:33 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Oct 8, 2002 08:18
	08:18:33 Partition fixup has been disabled. 08:18:33 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1628 MB
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity1628 MB
	Cylinders827 Heads64
	08:18:39 The image for 0: shows that a sector flagged bad error (status
	0a) occurred
	during backup at relative sector 20346 (Cylinder 5, Head 2,
	Sector 61)
	08:30:28 The whole-file CRC verifies: b2ce8cc4
	08:32:18 Restore of drive 0: to drive 1: completed on Oct 8, 2002 08:32
	08:32:27 Menu selections:
	Function: Restore Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Oct 8, 2002 08:32.
	= = = Measurement Logs = = = =
	Sectors Compared 3335472
	Sectors Differ 1009 Diffs range 20346, 3334464-3335471
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
	-

Case DI-064 for SafeBack 2.18	
Results:	src compares qualified equal to dst
	error message logged
Actual	BIOS anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-065 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
2002 2 2 200000000000000000000000000000	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Mon Oct 07 09:15:08 2002
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label B9
	Image media: DOS Drive 80 Physical Label DB
	B5 is a WDC AC21600H with 3173184 sectors
	B9 is a WDC AC21600H with 3173184 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	and Go and Digwild Bridge Brid
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-065 Beta7 81 B9 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\baddisk 81 5 9 8 3 10 > a:\err-065.txt
HITOI becap.	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00005/00009/00008
Execute:	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-065 Beta7 80 B5 81 B9 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-065 JudgeDee 80 /comment B5(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-065
loc:	
Log File	Safeback log: DI-065/SB_065B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Oct 7, 2002 09:30.
	09:30:10 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	09:30:28 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-065
	09:30:35 Backing up drive 0:
	to D:\IMG.001 on Oct 7, 2002 09:30
	09:30:36 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64
	09:30:36 Partition table for drive 0:

Case DI-065 for	SafeBack 2.18
	09:42:17 Backup file CRC: e4110b05.
	09:42:17 Backup of drive 0: completed on Oct 7, 2002 09:42.
	SafeBack execution ended on Oct 7, 2002 10:07.
	Safeback log: DI-065/SB_065R.TXT
	SafeBack 2.18 13Feb01 execution started on Oct 7, 2002 10:10.
	10:11:12 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	10:11:27 Backup file created on Oct 7, 2002 09:30
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-065
	10:11:29 Backup file C:\IMG.001 opened for access.
	10:11:38 Restore of drive 0: from C:\IMG.001
	to drive 1: started on Oct 7, 2002 10:11
	10:11:38 Partition fixup has been disabled.
	10:11:38 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64
	Destination drive 1:
	Capacity1549 MB
	Cylinders787
	Heads64
	10:11:43 While writing drive 1:, a sector flagged bad error (status 0a)
	occurred
	at relative sector 20734 (Cylinder 5, Head 9, Sector 8)
	10:23:30 The whole-file CRC verifies: e4110b05
	10:23:30 Restore of drive 0: to drive 1: completed on Oct 7, 2002 10:23
	10:23:38 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Oct 7, 2002 10:23.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	-
	Sectors Differ 91
	Diffs range 20734-20824
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-066 for SafeBack 2.18	
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a read error reading from the image.
Tester Name:	JRL
Test Date:	Sun Jun 16 12:43:45 2002
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label Al
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 80 Physical Label DA
	Al is a Quantum Sirooco1700A with 3335472 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors
	DA is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2

Case DI-066 for	r SafeBack 2.18
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
Destination	Disk hash
Setup:	No partition table defined
Error Setup:	Z:\ss\baddisk 80 1 38 29 2 10 > a:\err-066.txt
	Z:\ss\baddisk 80 1 38 29 10 10 >> a:\err-066.txt
	Version 3.2 Created 06/05/02 at 13:50:39 baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00001/00038/00029
	return code 00010 on command 00010 from disk 00080 at address 00001/00038/00029
Execute:	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-066 Beta3 80 A1 81 A4 /new_log /comment JRL
T C ! 3	Z:\ss\DISKHASH.EXE DI-066 Beta6 80 /comment A1(JRL) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-066
Log File	Safeback log: DI-066/SB_066B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 13:20.
	13:20:09 Menu selections: Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	13:21:01 Backup file D:\IMG.001 created. Backup file comment record:
	DI-066
	13:21:09 Backing up drive 0:
	to D:\IMG.001 on Jun 16, 2002 13:21
	13:21:11 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1628 MB
	Cylinders827
	Heads64
	13:21:11 Partition table for drive 0:
	13:33:21 Backup file CRC: 66550957. 13:33:21 Backup of drive 0: completed on Jun 16, 2002 13:33.
	SafeBack execution ended on Jun 16, 2002 14:36.
	Safeback log: DI-066/SB_066R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 14:43.
	14:43:41 Menu selections:
	Function: Restore Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	14:43:52 Backup file created on Jun 16, 2002 13:21 by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-066
	14:43:57 Backup file C:\IMG.001 opened for access.
	14:44:15 Restore of drive 0: from C:\IMG.001 to drive 1: started on Jun 16, 2002 14:44
	14:44:15 Local SafeBack is running on DOS 7.10
	Source drive 0:
-	·

Case DI-066 for	SafeBack 2.18
	Capacity1628 MB
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity1628 MB
	Cylinders827
	Heads64
	14:44:58 While reading C:\IMG.001 at 9120144, an access denied error
	occurred on the backup file. A
	data block consisting of zeroes was used in place of the data
	to
	be read. As a result, another error message will follow this one.
	14:44:58 IMG.001, record 20111 has a CRC error. fbl3 was expected, but
	61bf read.
	14:45:03 Backup file CRC error ignored by recovery at sector 20111.
	14:45:34 Resuming reading at sector 20111: 119 sectors were lost during
	error recovery.
	14:56:00 CRC mismatch: Calculated: e4ced409, Read: 66550957
	14:56:12 Partition table for drive 1:
	14:56:13 Restore of drive 0: to drive 1: completed on Jun 16, 2002 14:56
	14:56:22 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 16, 2002 14:56.
	safeBack execution ended on Jun 16, 2002 14:56.
	Sectors Compared 3335472
	Sectors Differ 1127
	Diffs range 20111-20229, 3334464-3335471
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	error message logged
Actual	BIOS anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-067 for	
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a write error writing to the image.
Tester Name:	JRL
Test Date:	Sun Jun 16 19:10:17 2002
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label Al
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 80 Physical Label DA
	Al is a Quantum Sirooco1700A with 3335472 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors
	DA is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE Al JudgeDee 80 Al /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F

Case DI-067 fo	r SafeBack 2.18
Destination	Z:\ss\DISKWIPE.EXE DI-067 Beta3 81 A4 /noask /dst /new_log /comment JRL
Setup:	No partition table defined
Error Setup:	Z:\ss\baddisk 81 2 35 55 3 10 > a:\err-067.txt
_	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00002/00035/00055
Execute:	z:\sb\master (backup to image)
	<pre>z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-067 Beta3 80 A1 81 A4 /new_log /comment JRL</pre>
	Z:\ss\DISKCMP.EXE DI-067 Beta3 80 AI 81 A4 /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-067 Beta3 80 /comment A1(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-067
loc:	cese archive, but but 2.10/bi 007
Log File	Safeback log: DI-067/SB_067B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:50.
	19:50:54 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto Backfill on restore: Yes
	19:51:13 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-067
	19:51:20 Backing up drive 0:
	to D:\IMG.001 on Jun 16, 2002 19:51
	19:51:21 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1628 MB
	Cylinders64
	19:51:21 Partition table for drive 0:
	19:51:29 An unrecoverable file error was reported while writing backup
	file IMG.001. The session is terminated.
	19:51:34 Backup terminated by user or error on Jun 16, 2002 19:51.
	19:51:36 The backup file is imcomplete and has not been deleted.
	SafeBack execution ended on Jun 16, 2002 19:51.
	Safeback log: DI-067/SB_067R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:54. 19:54:46 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	19:54:53 Backup file created on Jun 16, 2002 19:51
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con Rackup file comment record:
	Backup file comment record: DI-067
	19:54:56 Backup file C:\IMG.001 opened for access.
	19:55:07 Restore of drive 0: from C:\IMG.001
	to drive 1: started on Jun 16, 2002 19:55
	19:55:07 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1628 MB
	Cylinders64
	Destination drive 1:
	Capacity1628 MB
	Cylinders827
	Heads64
	19:55:15 An unexpected end-of-file occurred while reading IMG.001 for
	the
	record for sector 37485.
	19:56:25 Restore operation terminated by error or user. 19:56:29 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto

Case DI-067 for	SafeBack 2.18
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 16, 2002 19:56.
	= = = Measurement Logs = = = =
	Sectors Compared 3335472
	Sectors Differ 3297987
	Diffs range 37485-3335471
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DT-068 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
case sammary	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce an error on the image.
Tester Name:	TRI.
Test Date:	Sun Nov 04 11:58:04 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
DISKS.	Destination: DOS Drive 81 Physical Label B9
	Image media: DOS Drive 82 Physical Label BC
	B5 is a WDC AC21600H with 3173184 sectors
	B9 is a WDC AC21600H with 3173184 sectors
	BC is a OUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
DCCAP	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-068 Beta4 81 B9 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-068 Host C:\IMG.001 9544 AE /comment None
	Change byte 9544 of file C:\IMG.001 from 0xFFB5 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-068 Beta4 80 /all /new_log /comment JRL(B9)
	Z:\ss\PARTAB.EXE DI-068 Beta4 81 /all /new_log /comment JRL(B9)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-068 Beta4 80 B5 81 B9 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-068 beta4 80 /comment JRL(B5) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-068
loc:	Co-fobook low: DT 060/CD 060D mym
Log File	Safeback log: DI-068/SB_068B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 12:10.
	12:10:16 Menu selections:
	Function: Backup Direct access: No
	Use XBIOS: No Adjust partitions: No
	Backfill on restore: No
	12:10:35 Backup file D:\IMG.001 created.
	Backup file D.\IMG.UUI Created. Backup file comment record:
	DI-068
	12:10:41 Backing up drive 0:
	1 12.10.11 Packting up attive 0.

Case DI-068 for	SafeBack 2.18
	to D:\IMG.001 on Nov 4, 2001 12:10
	12:10:44 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64
	12:10:44 Partition table for drive 0:
	12:22:54 Backup file CRC: 5d3cb32a.
	12:22:54 Backup of drive 0: completed on Nov 4, 2001 12:22.
	SafeBack execution ended on Nov 4, 2001 12:23.
	Safeback log: DI-068/SB_068R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 4, 2001 13:36.
	13:36:40 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	13:36:58 Backup file created on Nov 4, 2001 12:10
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record: DI-068
	13:37:01 Backup file C:\IMG.001 opened for access.
	13:37:10 Restore of drive 0: from C:\IMG.001
	to drive 1: started on Nov 4, 2001 13:37
	13:37:10 Partition fixup has been disabled.
	13:37:10 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1549 MB
	Cylinders787
	Heads64
	Destination drive 1:
	Capacity1549 MB
	Cylinders787
	Heads64
	13:37:10 IMG.001, record 0 has a CRC error. 83d6 was expected, but 6a42
	read.
	13:37:18 Backup file CRC error ignored by recovery at sector 0.
	13:37:23 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	13:51:39 CRC mismatch: Calculated: f68b0bae, Read: 5d3cb32a
	13:52:39 Restore of drive 0: to drive 1: completed on Nov 4, 2001 13:52
	13:52:51 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 4, 2001 13:52.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 1
	Diffs range 18
	Hash after test: BD4140E6924156E1870E00983701405645359A00
Expected	Source disk is unchanged
Results:	image verification error
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-069 for SafeBack 2.18	
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Sat Nov 03 09:12:36 2001
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1

Case DI-069 for	r SafeBack 2.18
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 82 Physical Label D3
	A1 is a Quantum Sirooco1700A with 3335472 sectors D7 is a Quantum Sirooco1700A with 3335472 sectors
	D3 is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Cilid. 2.\SS\DISKRASH.EXE AI UUUGEDEE 80 / DEIOIE / NEW_109
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-069 Beta3 81 D7 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-069 Beta3 80 /all /new_log /comment JRL(D7)
	<pre>Z:\ss\PARTAB.EXE DI-069 Beta3 81 /all /new_log /comment JRL(D7) z:\sb\master (backup to image)</pre>
	z:\sb\master (backup to image) z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-069 Beta3 80 A1 81 D7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-069 beta3 80 /comment JRL(A1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-069
loc:	
Log File	Safeback log: DI-069/SB_069B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:24. 09:24:18 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	09:24:34 Backup file D:\IMG.001 created. Backup file comment record:
	DI-069
	09:24:43 Backing up drive 0:
	to D:\IMG.001 on Nov 3, 2001 09:24
	09:24:45 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1628 MB
	Cylinders827
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc.
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37.
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40.
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43.
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections:
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Direct access: No Use XBIOS: No
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Direct access: No Use XBIOS: No Adjust partitions: No
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Direct access: No Use XBIOS: No Adjust partitions: No Backfill on restore: No
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Direct access: No Use XBIOS: No Adjust partitions: No Backfill on restore: No 09:43:49 Backup file created on Nov 3, 2001 09:24
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Direct access: No Use XBIOS: No Adjust partitions: No Backfill on restore: No 09:43:49 Backup file created on Nov 3, 2001 09:24 by Gary Fisher Natl Institute of Standards & Technology
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Punction: Restore Direct access: No Use XBIOS: No Adjust partitions: No Backfill on restore: No 09:43:49 Backup file created on Nov 3, 2001 09:24 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Bestore Direct access: No Use XBIOS: No Adjust partitions: No Backfill on restore: No 09:43:49 Backup file created on Nov 3, 2001 09:24 by Gary Fisher Natl Institute of Standards & Technology
	Cylinders827 Heads64 09:24:45 Partition table for drive 0: 09:37:02 Backup file CRC: a56cblbc. 09:37:02 Backup of drive 0: completed on Nov 3, 2001 09:37. SafeBack execution ended on Nov 3, 2001 09:40. Safeback log: DI-069/SB_069R.TXT SafeBack 2.18 13Feb01 execution started on Nov 3, 2001 09:43. 09:43:37 Menu selections: Function: Function: Punction: Restore Direct access: No Use XBIOS: No Adjust partitions: Backfill on restore: No 09:43:49 Backup file created on Nov 3, 2001 09:24 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con Backup file comment record:

Case DI-069 for	SafeBack 2.18
	to drive 1: started on Nov 3, 2001 09:44
	09:44:02 Partition fixup has been disabled.
	09:44:02 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1628 MB
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity1628 MB
	Cylinders827
	Heads64
	09:55:42 The whole-file CRC verifies: a56cblbc
	10:13:44 Restore of drive 0: to drive 1: completed on Nov 3, 2001 10:13
	10:13:51 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 3, 2001 10:13.
	= = = Measurement Logs = = = =
	Sectors Compared 3335472
	Sectors Differ 1008
	Diffs range 3334464-3335471
	Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	BIOS anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-070 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Mon Apr 22 07:05:14 2002
PC:	Beta3
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label B9
	Image media: DOS Drive 82 Physical Label DB
	A1 is a Quantum Sirooco1700A with 3335472 sectors
	B9 is a WDC AC21600H with 3173184 sectors
	DB is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: Al
	Host: JudgeDee
	Operator: JRL
	os: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-070 Beta3 81 B9 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-070 Beta3 80 /all /new_log /comment JRL(B9)
	Z:\ss\PARTAB.EXE DI-070 Beta3 81 /all /new_log /comment JRL(B9)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-070 Beta3 80 A1 81 B9 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-070 Beta3 80 /comment JRL(A1) /new_log /after

Case DI-070 for	r SafeBack 2.18
Log files	test-archive/sb/sb-2.18/DI-070
loc:	
Log File	Safeback log: DI-070/SB_070B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Apr 22, 2002 07:14. 07:15:20 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: No
	Adjust partitions: Auto
	Backfill on restore: Yes
	07:15:38 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-070
	07:15:45 Backing up drive 0:
	to D:\IMG.001 on Apr 22, 2002 07:15
	07:15:46 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1628 MB Cylinders827
	Heads64
	07:15:46 Partition table for drive 0:
	07:27:59 Backup file CRC: 1ba46258.
	07:27:59 Backup of drive 0: completed on Apr 22, 2002 07:27.
	SafeBack execution ended on Apr 22, 2002 07:28.
	Safeback log: DI-070/SB_070R.TXT
	SafeBack 2.18 13Feb01 execution started on Apr 22, 2002 07:31.
	07:31:58 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: Auto
	Backfill on restore: Yes
	07:32:10 Backup file created on Apr 22, 2002 07:15
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-070
	07:32:12 Backup file C:\IMG.001 opened for access.
	07:32:17 The destination drive capacity is smaller than that of the
	original source drive.
	07:32:26 Restore of drive 0: from C:\IMG.001
	to drive 1: started on Apr 22, 2002 07:32 07:32:26 Local SafeBack is running on DOS 6.30
	Source drive 0:
	Capacity1628 MB
	Cylinders827
	Heads64
	Destination drive 1:
	Capacity1549 MB
	Cylinders787
	Heads64
	07:45:59 Partition table for drive 1:
	07:46:01 Restore of drive 0: to drive 1: completed on Apr 22, 2002 07:46
	08:15:16 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Apr 22, 2002 08:15.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range Source (2225472) has 162288 more gostors than destination (2172184)
	Source (3335472) has 162288 more sectors than destination (3173184) Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
TODATOD.	truncation is logged
Actual	No anomalies
	-

Case DI-070 for SafeBack 2.18	
Results:	
Analysis:	Expected results achieved

Case DI-071 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is smaller than the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Tue Nov 06 15:54:32 2001
PC:	Beta4
Disks:	Source: DOS Drive 80 Physical Label B5
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 82 Physical Label DA
	B5 is a WDC AC21600H with 3173184 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors
	DA is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
2 1' 1	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B5
	Host: JudgeDee Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Mon Oct 15 11:18:11 2001
	Date: 11011 000 13 11:10:11 2001
	cmd: Z:\ss\DISKWIPE.EXE B5 JudgeDee 80 B5 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE B5 JudgeDee 80 /before /new_log
	Disk hash = BD4140E6924156E1870E00983701405645359A00
Destination	Z:\ss\DISKWIPE.EXE DI-071 Beta4 81 A4 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-SS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63 06 Fat16
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-071 Host C:\IMG.001 5922 AE /comment None
	Change byte 5922 of file C:\IMG.001 from 0x0A to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-071 Beta4 80 /all /new_log /comment JRL(A4)
	Z:\ss\PARTAB.EXE DI-071 Beta4 81 /all /new_log /comment JRL(A4)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-071 Beta4 80 B5 81 A4 /new_log /comment JRL /select
	1 1 7:\qq\DTCKUACH_FVF_DT_071 dolta1 90 /qqmmant_TDI/DE\ /now_log /after
Tog files	Z:\ss\DISKHASH.EXE DI-071 deltal 80 /comment JRL(B5) /new_log /after test-archive/sb/sb-2.18/DI-071
Log files loc:	test-arthre/sb/sb-2.10/br-0/1
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0785/063/63 (max cyl/hd values)
	Interrupt 13 ext 00786/064/63 (number of cyl/hd)
	3169152 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001128960 0355/000/01 0634/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002560320 000064512 0635/000/01 0650/063/63 83 Linux
	10 P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type

```
Case DI-071 for SafeBack 2.18
                1 P 000000063 001334529 0000/001/01 0330/063/63
                                                                     06 Fat16
                                                                     00 empty entry
                 2 P 000000000 000000000 0000/000/00 0000/000/00
                3 P 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                 4 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-071/SB_071B.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 15:20.
               15:20:12 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Nο
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   Nο
               15:20:33 Backup file D:\IMG.001 created.
                         Backup file comment record:
                           DI-071
               15:20:44 Backing up drive C:
                          to D:\IMG.001 on Nov 6, 2001 15:20
               15:20:46 Local SafeBack is running on DOS 6.30
                         Source drive C:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
               15:28:07 Backup file CRC: 7a50bbc4.
                         Backup of drive C: completed on Nov 6, 2001 15:28.
               15:28:07
                         SafeBack execution ended on Nov 6, 2001 15:29.
               Safeback log: DI-071/SB_071R.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 15:33.
               15:33:48 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Nο
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
               15:34:43 Backup file created on Nov 6, 2001 15:20
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-071
               15:34:50 Backup file C:\IMG.001 opened for access.
               15:35:08 Partition/Boot information saved to A:\PT.SPS.
               15:35:10 Restore of drive C: from C:\IMG.001
                         to drive D: started on Nov 6, 2001 15:35
               15:35:10 Partition fixup has been disabled.
               15:35:10 Local SafeBack is running on DOS 6.30
                         Source drive C:
                           Capacity......600 MB
                           Cylinders.....304
                           Heads.....64
                         Destination drive D:
                           Capacity.....652 MB
                           Cylinders.....330
                           Heads.....64
               15:35:11 IMG.001, record 0 has a CRC error. 9f60 was expected, but 8090
               read.
               15:39:19 Restore operation terminated by error or user.
               15:39:23 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   No
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               15:39:48 Backup file created on Nov 6, 2001 15:20
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-071
               15:39:52 Backup file C:\IMG.001 opened for access.
               15:40:02 Partition/Boot information saved to A:\PT.SPS.
               15:40:03 Restore of drive C: from C:\IMG.001
                         to drive D: started on Nov 6, 2001 15:40
```

Case DI-071 for	SafeBack 2.18
	15:40:03 Partition fixup has been disabled.
	15:40:04 Local SafeBack is running on DOS 6.30
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity652 MB
	Cylinders330
	Heads64
	15:40:04 IMG.001, record 0 has a CRC error. 9f60 was expected, but 8090
	read.
	15:40:08 Backup file CRC error ignored by recovery at sector 0.
	15:40:16 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	15:46:40 CRC mismatch: Calculated: 0a622327, Read: 7a50bbc4
	15:51:52 Restore of drive C: to drive D: completed on Nov 6, 2001 15:51
	15:52:00 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 6, 2001 15:52.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 1
	Diffs range: 11
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (B5): 0
	Dst Byte fill (A4): 104832
	Other fill: 0
	Other no fill: 0

Expected	Hash after test: BD4140E6924156E1870E00983701405645359A00 Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-072 for	
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Tue Nov 27 12:42:03 2001
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 82 Physical Label D3
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors
	D3 is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log

Case DI-072 for	r SafeBack 2.18
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-072 Beta7 81 A4 /noask /dst /new_log /comment JRL
Setup:	<pre>X:\PM\PQMAGIC /cmd=X:\PM\D32L-SS.txt N Start LBA Length Start C/H/S End C/H/S boot Partition type</pre>
	1 P 000000063 001334529 0000/001/01 0330/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-072 Beta7 80 /all /new_log /comment JRL(A4) Z:\ss\PARTAB.EXE DI-072 Beta7 81 /all /new_log /comment JRL(A4)
	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\ss\PARTCMP.EXE DI-072 Beta7 80 F1 81 A4 /new_log /comment JRL /select
	1 1 Z:\ss\DISKHASH.EXE DI-072 delta1 80 /comment JRL(F1) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-072
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other 8 S 000000000 00000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 00000000 0000/000/00 0000/000/00 00
	Safeback log: DI-072/SB_072B.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 13:34.
	13:34:25 Menu selections:
	Function: Backup
	Direct access: No Use XBIOS: No
	Adjust partitions: No
	Backfill on restore: No
	13:34:59 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-072
	13:35:07 Backing up drive C:
	to D:\IMG.001 on Nov 27, 2001 13:35 13:35:09 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	13:38:45 Backup file CRC: bd824e5c.
	13:38:45 Backup of drive C: completed on Nov 27, 2001 13:38. SafeBack execution ended on Nov 27, 2001 13:42.
	Safeback log: DI-072/SB_072R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 13:46.
	13:46:26 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No Backfill on restore: No
	13:46:49 Backup file created on Nov 27, 2001 13:35
L	1 TO TO TO DECREE TITLE CICACOU ON NOV 21, 2001 13:33

Case DI-072 for	CafoPagk 2 10
Case DI-072 IOI	by Gary Fisher Natl Institute of Standards & Technology
	• •
	Software Diagnostics & Con Backup file comment record:
	DI-072
	13:46:52 Backup file C:\IMG.001 opened for access.
	13:47:04 Partition/Boot information saved to A:\PT.SPS.
	13:47:05 Restore of drive C: from C:\IMG.001
	to drive D: started on Nov 27, 2001 13:47
	13:47:05 Partition fixup has been disabled.
	13:47:05 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64 Destination drive D:
	Capacity652 MB Cylinders330
	•
	Heads64 13:52:51 The whole-file CRC verifies: bd824e5c
	13:52:51 The whole-life CRC verifies: bd824e5C 13:56:31 Restore of drive C: to drive D: completed on Nov 27, 2001 13:56
	13:56:39 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: No
	Adjust partitions: No Backfill on restore: No
	Backfill on restore: No SafeBack execution ended on Nov 27, 2001 13:56.
	, ,
	= = = Measurement Logs = = = = Sectors Compared 1229697
	Sectors Differ 1
	Diffs range: 1
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (F1): 0
	• '
	Dst Byte fill (A4): 104832 Other fill: 0
	Other no fill: 0
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	source disk is unchanged src compares qualified equal to dst
Actual	FAT32 anomaly, Backfill anomaly
	FAI32 allowary, backlill allowary
Results:	Ermogtod regulta not aghicyrod
Analysis:	Expected results not achieved

Case DI-081 for	Case DI-081 for SafeBack 2.18	
Case Summary:	Create an image from a BIOS-IDE source disk	
	to a BIOS-IDE destination disk	
	and the source contains a FAT32 partition	
	where the source disk is the same size as the destination	
	Introduce a read error reading from the image.	
Tester Name:	JRL	
Test Date:	Sun Jun 16 12:45:10 2002	
PC:	Beta7	
Disks:	Source: DOS Drive 80 Physical Label F1	
	Destination: DOS Drive 81 Physical Label D7	
	Image media: DOS Drive 80 Physical Label BC	
	F1 is a Quantum Sirooco1700A with 3335472 sectors	
	D7 is a Quantum Sirooco1700A with 3335472 sectors	
	BC is a QUANTUM FIREBALL ST3.2A with 6306048 sectors	
	Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Linux EXT2 & Fat32	
setup:	Disk: F1	

Case DI-081 for	r SafeBack 2.18
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical Date: Fri Nov 16 10:42:33 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
Destination	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A Z:\ss\DISKWIPE.EXE DI-081 Beta7 81 D7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32L-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 3 50 50 2 10 > a:\err-081.txt Z:\ss\baddisk 80 3 50 50 10 10 >> a:\err-081.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080 at address 00003/00050/00050
	return code 00010 on command 00010 from disk 00080
	at address 00003/00050/00050
Execute:	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	z:\so\master (restore from image) Z:\ss\PARTCMP.EXE DI-081 Beta7 80 F1 81 D7 /new_log /comment JRL /select
	1 1
Log files	Z:\ss\DISKHASH.EXE DI-081 Beta7 80 /comment F1(JRL) /new_log /after test-archive/sb/sb-2.18/DI-081
loc:	test-archive/sb/sb-2.10/b1-001
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values) Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 bios 0825/063/63 (max cyl/hd values) Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-081/SB_081B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 13:12.
	13:12:21 Menu selections:
	Function: Backup Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes 13:12:40 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-081
	13:12:50 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 13:12
	13:12:52 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB

Case DI-081 for	SafeBack 2.18
	Cylinders304
	Heads64
	13:16:33 Backup file CRC: ce17ce49.
	13:16:33 Backup of drive C: completed on Jun 16, 2002 13:16.
	SafeBack execution ended on Jun 16, 2002 13:17.
	Safeback log: DI-081/SB_081R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 13:24.
	13:24:08 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	13:24:29 Backup file created on Jun 16, 2002 13:12
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-081
	13:24:33 Backup file C:\IMG.001 opened for access. 13:24:42 Partition/Boot information saved to A:\PT.SPS.
	13:24:42 Partition/Boot information saved to A.\PI.SPS. 13:24:43 Restore of drive C: from C:\IMG.001
	to drive D: started on Jun 16, 2002 13:24
	13:24:43 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity600 MB
	Cylinders304
	Heads64
	13:28:19 While reading C:\IMG.001 at 13663400, an access denied error
	occurred on the backup file. A
	data block consisting of zeroes was used in place of the data
	to
	be read. As a result, another error message will follow this
	one.
	13:28:19 IMG.001, record 30821 has a CRC error. 3127 was expected, but
	2575 read.
	13:28:40 Backup file CRC error ignored by recovery at sector 30821.
	13:29:16 Data starting at sector 30821 and the next 119 sectors is
	questionable due to CRC errors.
	13:37:13 CRC mismatch: Calculated: 8b9ec084, Read: ce17ce49
	13:37:18 Restore of drive C: to drive D: completed on Jun 16, 2002 13:37
	13:37:25 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 16, 2002 13:37.
	= = = Measurement Logs = = = = Sectors Compared 1229697
	Sectors Compared 1229697 Sectors Differ 120
	Diffs range: 1, 30821-30939
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	error message logged
Actual	FAT32 anomaly
Results:	TATOZ GROWATY
Analysis:	Expected results not achieved
INICITY DID.	I purecess reputer not denieved

Case DI-082 for SafeBack 2.18	
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination

Case DI-082 for	r SafeBack 2.18
	Introduce a write error writing to the image.
Tester Name:	JRL
Test Date:	Sun Jun 16 19:09:26 2002
PC:	Beta6
Disks:	Source: DOS Drive 80 Physical Label A3
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 80 Physical Label BC
	A3 is a Quantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors
	BC is a QUANTUM FIREBALL ST3.2A with 6306048 sectors Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: A3
_	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Sat Nov 03 16:01:24 2001
	and: 7:\ aa\ DICKNIDE EVE 32 TudaaDaa 00 32 / / 1
	<pre>cmd: Z:\ss\DISKWIPE.EXE A3 JudgeDee 80 A3 /src /new_log X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE A3 JudgeDee 80 /before /new_log
	Disk hash = 27E36D91D13ADEE11316951CFE492E3C66053191
Destination	Z:\ss\DISKWIPE.EXE DI-082 Beta6 81 D7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 81 9 12 5 3 10 > a:\err-082.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081 at address 00009/00012/00005
Execute:	z:\sb\master (backup to image)
BACCUCC.	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-082 Beta6 80 A3 81 D7 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-082 Beta7 80 /comment A3(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-082
loc:	
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values) Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001290240 0355/000/01 0674/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	6 x 000762048 000185472 0544/000/01 0589/063/63
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other 8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-082/SB_082B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:37.
	19:37:34 Menu selections:
	19:37:34 Menu selections: Function: Backup

Direct access: No Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 19:37:53 Backup file D:\IMG.001 created. Backup file comment record: DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No Use XBIOS: Auto
Use XBIOS: Auto Adjust partitions: Auto Backfill on restore: Yes 19:37:53 Backup file D:\IMG.001 created. Backup file comment record: DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Backfill on restore: Yes 19:37:53 Backup file D:\IMG.001 created. Backup file comment record: DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:37:53 Backup file D:\IMG.001 created. Backup file comment record: DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Backup file comment record: DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
DI-082 19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:37:58 Backing up drive C: to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
to D:\IMG.001 on Jun 16, 2002 19:37 19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:38:00 Local SafeBack is running on DOS 7.10 Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Source drive C: Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Capacity600 MB Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Cylinders304 Heads64 19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:38:14 An unrecoverable file error was reported while writing backup file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
file IMG.001. The session is terminated. 19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:38:57 Backup terminated by user or error on Jun 16, 2002 19:38. 19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:39:11 The backup file is imcomplete and has not been deleted. SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
SafeBack execution ended on Jun 16, 2002 19:39. Safeback log: DI-082/SB_082R.TXT SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
Safeback log: DI-082/SB_082R.TXT
SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 19:44. 19:44:37 Menu selections: Function: Restore Direct access: No
19:44:37 Menu selections: Function: Restore Direct access: No
Function: Restore Direct access: No
Use XBIOS: Auto
11400
Adjust partitions: Auto
Backfill on restore: Yes
19:44:45 Backup file created on Jun 16, 2002 19:37
by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con
Backup file comment record:
DI-082
19:44:50 Backup file C:\IMG.001 opened for access.
19:45:06 Partition/Boot information saved to A:\PT.SPS.
19:45:07 Restore of drive C: from C:\IMG.001
to drive D: started on Jun 16, 2002 19:45
19:45:07 Local SafeBack is running on DOS 7.10
Source drive C: Capacity600 MB
Cylinders304
Heads 64
Destination drive D:
Capacity600 MB
Cylinders304
Heads64
19:45:35 An unexpected end-of-file occurred while reading IMG.001 for
the
record for sector 77231. 19:47:40 Restore operation terminated by error or user.
19:47:40 Restore operation terminated by error of user. 19:47:43 Menu selections:
Function: Restore
Direct access: No
Use XBIOS: Auto
Adjust partitions: Auto
Backfill on restore: Yes
SafeBack execution ended on Jun 16, 2002 19:47.
= = = Measurement Logs = = = = Sectors Compared 1229697
Sectors Compared 1229697 Sectors Differ 1152466
Diffs range: 77231-1229696
Hash after test: 27E36D91D13ADEE11316951CFE492E3C66053191
Expected Source disk is unchanged
Results: error message logged
Actual No anomalies
Results:
Analysis: Expected results achieved

Case DI-083 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
_	to a BIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
Master Neme:	Introduce an error on the image.
Tester Name: Test Date:	JRL Tue Nov 27 14:45:56 2001
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label A4
	Image media: DOS Drive 82 Physical Label D3
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	A4 is a Quantum Sirooco1700A with 3335472 sectors D3 is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	<pre>cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log</pre>
	<pre>X:\pm\pqmagic /cmd=X:\pm\f32-src.txt Load Operating System to Source disk</pre>
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	oma 2 (bb (biblimbii.inii 11 oddgebee oo /belole /iicii_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-083 Beta7 81 A4 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32L-ES.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001229697 0000/001/01 0304/063/63 0B Fat32
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-083 Host C:\IMG.001 5861 AE /comment None
	Change byte 5861 of file C:\IMG.001 from 0x00 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-083 Beta7 80 /all /new_log /comment JRL(A4)
	Z:\ss\PARTAB.EXE DI-083 Beta7 81 /all /new_log /comment JRL(A4)
	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\ss\PARTCMP.EXE DI-083 Beta7 80 F1 81 A4 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-083 delta1 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-083
loc: Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
55	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32 2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other 8 S 000000000 00000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00

```
Case DI-083 for SafeBack 2.18
               Safeback log: DI-083/SB_083B.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 15:18.
               15:18:07 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   No
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
               15:18:27 Backup file D:\IMG.001 created.
                         Backup file comment record:
                           DI-083
               15:18:33 Backing up drive C:
                          to D:\IMG.001 on Nov 27, 2001 15:18
               15:18:35 Local SafeBack is running on DOS 7.10
                          Source drive C:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
               15:22:11 Backup file CRC: ddcc46b0.
               15:22:12 Backup of drive C: completed on Nov 27, 2001 15:22.
                         SafeBack execution ended on Nov 27, 2001 15:33.
               Safeback log: DI-083/SB_083R.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 15:38.
               15:38:14 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                           Adjust partitions:
                                                   No
                            Backfill on restore:
                                                  No
               15:38:27 Backup file created on Nov 27, 2001 15:18
                          by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DT-083
               15:38:31 Backup file C:\IMG.001 opened for access.
               15:38:42 Partition/Boot information saved to A:\PT.SPS.
               15:38:44 Restore of drive C: from C:\IMG.001
                         to drive D: started on Nov 27, 2001 15:38
               15:38:44 Partition fixup has been disabled.
               15:38:44 Local SafeBack is running on DOS 7.10
                          Source drive C:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
                         Destination drive D:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
               15:38:44 IMG.001, record 0 has a CRC error. 1554 was expected, but 8f6f
               read.
               15:38:52 Backup file CRC error ignored by recovery at sector 0.
               15:38:59
                         Data starting at sector 0 and the next 119 sectors is
                         questionable due to CRC errors.
               15:44:44 CRC mismatch: Calculated: 43c7bebf, Read: ddcc46b0
               15:50:09 Restore of drive C: to drive D: completed on Nov 27, 2001 15:50
               15:50:18 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
                         SafeBack execution ended on Nov 27, 2001 15:50.
               = = = = Measurement Logs = = = =
               Sectors Compared 1229697
               Sectors Differ 2
               Diffs range: 1, 10
               Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
               Source disk is unchanged
Expected
Results:
               image verification error
               FAT32 anomaly
Actual
```

Case DI-083 for SafeBack 2.18	
Results:	
Analysis:	Expected results not achieved

Case DI-089 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
	to a BIOS-IDE destination disk
	and the source contains a FAT32 partition
Tester Name:	where the source disk is larger than the destination JRL
Test Date:	Tue Nov 27 11:16:53 2001
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label D7
	Image media: DOS Drive 82 Physical Label D3
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	D7 is a Quantum Sirooco1700A with 3335472 sectors D3 is a Fujitsu MPE3064AT with 12672450 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical Date: Fri Nov 16 10:42:33 2001
	Date: FII NOV 10 10:42:55 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\f32-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-089 Beta7 81 D7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32L-BS.txt
Decap	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-089 Beta7 80 /all /new_log /comment JRL(D7)
	<pre>Z:\ss\PARTAB.EXE DI-089 Beta7 81 /all /new_log /comment JRL(D7) z:\sb\master (backup to image)</pre>
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-089 Beta7 80 F1 81 D7 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-089 delta1 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-089
loc: Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended 3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 00000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00

```
Case DI-089 for SafeBack 2.18
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                 4 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                Safeback log: DI-089/SB_089B.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 11:37.
                11:37:50 Menu selections:
                            Function:
                                                    Backup
                           Direct access:
                                                   No
                            Use XBIOS:
                            Adjust partitions:
                                                    Nο
                            Backfill on restore:
                                                    No
                11:38:06 Backup file D:\IMG.001 created.
                         Backup file comment record:
                           DI-089
                11:38:13 Backing up drive C:
                          to D:\IMG.001 on Nov 27, 2001 11:38
                11:38:15 Local SafeBack is running on DOS 7.10
                          Source drive C:
                           Capacity......600 MB
                           Cylinders.....304
                            Heads.....64
                11:41:52 Backup file CRC: 71889b5a.
                11:41:52 Backup of drive C: completed on Nov 27, 2001 11:41.
                         SafeBack execution ended on Nov 27, 2001 11:42.
                Safeback log: DI-089/SB_089R.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 11:46.
                11:47:03 Menu selections:
                            Function:
                                                    Restore
                           Direct access:
                                                   No
                            Use XBIOS:
                            Adjust partitions:
                                                   No
                            Backfill on restore:
                                                   No
                11:47:18 Backup file created on Nov 27, 2001 11:38
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DI-089
                11:47:25 Backup file C:\IMG.001 opened for access.
                11:47:36
                         The destination drive capacity is smaller than that of the
                          original source drive.
                11:47:44 Partition/Boot information saved to A:\PT.SPS.
                11:47:45 Restore of drive C: from C:\IMG.001
                          to drive D: started on Nov 27, 2001 11:47
                11:47:45 Partition fixup has been disabled.
                11:47:45 Local SafeBack is running on DOS 7.10
                          Source drive C:
                           Capacity......600 MB
                            Cylinders.....304
                           Heads.....64
                          Destination drive D:
                            Capacity......551 MB
                            Cylinders.....279
                           Heads.....64
                11:53:02 Restore of drive C: to drive D: completed on Nov 27, 2001 11:53
                11:53:15 Menu selections:
                            Function:
                                                    Restore
                           Direct access:
                                                   No
                            Use XBIOS:
                                                    No
                            Adjust partitions:
                                                    No
                            Backfill on restore:
                                                   No
                         SafeBack execution ended on Nov 27, 2001 11:53.
                = = = = Measurement Logs = = = =
                Sectors Compared 1128897
                Sectors Differ 1
                Diffs range: 1
                Source (1229697) has 100800 more sectors than destination (1128897)
                Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected
                Source disk is unchanged
Results:
                src compares qualified equal to dst, src is truncated on dst
                truncation is logged
Actual
                FAT32 anomaly
```

Case DI-089 for SafeBack 2.18	
Results:	
Analysis:	Expected results not achieved

Case DI-090 for	r SafeBack 2.18
Case Summary:	Create an image from a BIOS-IDE source disk
2	to a BIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is larger than the destination
	Create the image on a removable medium.
Tester Name:	JRL
Test Date:	Tue Nov 06 16:16:42 2001
PC:	Beta7
Disks:	Source: DOS Drive 80 Physical Label A1
	Destination: DOS Drive 81 Physical Label BA
	Image media: DOS Drive 82 Physical Label Jaz
	A1 is a Quantum Sirooco1700A with 3335472 sectors
	BA is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: A1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Tue Oct 16 11:24:16 2001
	cmd: Z:\ss\DISKWIPE.EXE A1 JudgeDee 80 A1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: Z:\ss\DISKHASH.EXE A1 JudgeDee 80 /before /new_log
	cma: Z:\ss\DISKHASH.EXE AI JuageDee 80 /Defore /new_log
	Disk hash = D0FC573FF774F6897BE520153C9BF770E998428F
Destination	Z:\ss\DISKWIPE.EXE DI-090 Beta7 81 BA /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16L-BS.txt
secup.	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0139/127/63 06 Fat16
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-090 Beta7 80 /all /new_log /comment JRL(BA)
	Z:\ss\PARTAB.EXE DI-090 Beta7 81 /all /new_log /comment JRL(BA)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-090 Beta7 80 A1 81 BA /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-090 beta3 80 /comment JRL(A1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-090
loc:	
Log File	Source disk Drive 0x80, BIOS: Legacy
Highlights:	Interrupt 13 bios 0825/063/63 (max cyl/hd values)
	Interrupt 13 ext 00826/064/63 (number of cyl/hd)
	3330432 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16 2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	2 X 001431360 001290240 0355/000/01 06/4/063/63 05 extended 3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 00 empty entry
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Legacy
	Interrupt 13 bios 0780/127/63 (max cyl/hd values)
	Interrupt 13 ext 00781/128/63 (number of cyl/hd)
	6297984 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001128897 0000/001/01 0139/127/63 06 Fat16
	N Start LBA Length Start C/H/S End C/H/S boot Partition type

```
Case DI-090 for SafeBack 2.18
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-090/SB_090B.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 16:39.
               16:39:25 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
               16:40:03 Backup file X:\IMG.001 created.
                         Backup file comment record:
                           Use one cart DI-090
               16:40:28 Backing up drive C:
                         to X:\IMG.001 on Nov 6, 2001 16:40
               16:40:30 Local SafeBack is running on DOS 6.30
                         Source drive C:
                           Capacity......600 MB
                           Cylinders.....304
                           Heads.....64
               16:49:36 Backup file CRC: a03f0d3d.
               16:49:36 Backup of drive C: completed on Nov 6, 2001 16:49.
                         SafeBack execution ended on Nov 6, 2001 16:50.
               Safeback log: DI-090/SB_090R.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 6, 2001 16:53.
               16:53:47 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               16:54:05 Backup file volume 1 requested.
               16:54:12 Backup file created on Nov 6, 2001 16:40
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           Use one cart DI-090
               16:54:18 Backup file X:\IMG.001 opened for access.
               16:54:38 The destination drive capacity is smaller than that of the
                         original source drive.
               16:54:52 Partition/Boot information saved to A:\PT.SPS.
               16:54:52 Restore of drive C: from X:\IMG.001
                         to drive D: started on Nov 6, 2001 16:54
               16:54:52 Partition fixup has been disabled.
               16:54:52 Local SafeBack is running on DOS 6.30
                         Source drive C:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
                         Destination drive D:
                           Capacity.....551 MB
                           Cylinders.....139
                           Heads.....128
               16:59:56 Restore of drive C: to drive D: completed on Nov 6, 2001 16:59
               17:21:18 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                           Backfill on restore:
                                                  Nο
                         SafeBack execution ended on Nov 6, 2001 17:21.
               = = = = Measurement Logs = = = =
               Sectors Compared 1128897
               Sectors Differ 0
               Diffs range:
               Source (1229697) has 100800 more sectors than destination (1128897)
               Hash after test: D0FC573FF774F6897BE520153C9BF770E998428F
Expected
               Source disk is unchanged
Results:
               src compares qualified equal to dst, src is truncated on dst
               truncation is logged
```

Case DI-090 for SafeBack 2.18	
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-091 for	r SafaRank 2 18
Case Summary:	Create an image from an XBIOS-IDE source disk
case summary.	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Thu Nov 29 13:51:44 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label BB
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors BB is a OUANTUM FIREBALL ST3.2A with 6306048 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical Date: Thu Oct 18 13:47:31 2001
	Date: 1110 Oct 10 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-091 Rumpole 81 BB /noask /dst /new_log /comment JRL
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-091 Host D:\IMG.001 2379 AE /comment None
LIIOI SCOUP	Change byte 2379 of file D:\IMG.001 from 0xFFB8 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-091 Rumpole 80 /all /new_log /comment JRL(BB)
	Z:\ss\PARTAB.EXE DI-091 Rumpole 81 /all /new_log /comment JRL(BB)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-091 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-091 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-091
loc:	0000 0101110/02/02 1110/01
Log File	Safeback log: DI-091/SB_091B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 29, 2001 14:19.
	The tape drive was not used.
	14:19:44 Menu selections:
	Function: Backup
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:20:12 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-091
	14:20:18 Backing up drive 0:
	to D:\IMG.001 on Nov 29, 2001 14:20 14:20:19 Local SafeBack is running on DOS 7.10
	14:20:19 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	14:20:19 Partition table for drive 0:
	14:27:47 Backup file CRC: 4f437945.
	14:27:47 Backup of drive 0: completed on Nov 29, 2001 14:27.
	SafeBack execution ended on Nov 29, 2001 15:59.

Case DI-091 for	SafeBack 2.18
	Safeback log: DI-091/SB_091R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 29, 2001 16:01.
	The tape drive was not used.
	16:01:30 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	16:01:40 Backup file created on Nov 29, 2001 14:20
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-091 16:01:42 Backup file D:\IMG.001 opened for access.
	16:01:55 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Nov 29, 2001 16:01
	16:01:55 Partition fixup has been disabled.
	16:01:55 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity3079 MB
	Cylinders6256
	Heads16
	16:01:55 IMG.001, record 0 has a CRC error. 25ce was expected, but 47bc
	read.
	16:01:59 Backup file CRC error ignored by recovery at sector 0.
	16:02:04 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	16:07:37 CRC mismatch: Calculated: 04627298, Read: 4f437945
	08:36:29 Restore of drive 0: to drive 1: completed on Nov 30, 2001 08:36
	08:36:43 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 30, 2001 08:36.
	= = = Measurement Logs = = = = Sectors Compared 3173184
	Sectors Differ 1
	Diffs range 4
	Source (3173184) has 3132864 fewer sectors than destination (6306048)
	Zero fill: 3132864
	Src Byte fill (B8): 0
	Dst Byte fill (BB): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved
-	<u> </u>

Case DI-092 for	Case DI-092 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-IDE source disk	
	to an XBIOS-IDE destination disk	
	where the source disk is smaller than the destination	
Tester Name:	JRL	
Test Date:	Thu Nov 29 10:47:33 2001	
PC:	Rumpole	
Disks:	Source: DOS Drive 80 Physical Label B8	
	Destination: DOS Drive 81 Physical Label BB	
	Image media: DOS Drive 82 Physical Label CC	
	B8 is a WDC AC21600H with 3173184 sectors	

Case DI-092 for	SafeBack 2.18
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
2 1' 1	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk setup:	Linux EXT2 & DOS Fat16 Disk: B8
secup.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Cilia. 2. SS (DISMASH. EAE BO_SIC Cadiaci of / Deloie / Hew_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-092 Rumpole 81 BB /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-092 Rumpole 80 /all /new_log /comment JRL(BB)
	Z:\ss\PARTAB.EXE DI-092 Rumpole 81 /all /new_log /comment JRL(BB)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-092 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-092 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-092
loc:	
Log File	Safeback log: DI-092/SB_092B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 29, 2001 10:59.
	The tape drive was not used.
	10:59:32 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No Backfill on restore: No
	11:00:28 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	11:00:42 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-092 11:00:49 Backing up drive 0:
	to D:\IMG.001 on Nov 29, 2001 11:00
	11:00:49 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	11:00:50 Partition table for drive 0:
	11:08:18 Backup file CRC: a3a50a2a.
	11:08:18 Backup of drive 0: completed on Nov 29, 2001 11:08. SafeBack execution ended on Nov 29, 2001 11:10.
	Safeback log: DI-092/SB_092R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 29, 2001 11:11.
	The tape drive was not used.
	11:11:50 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No 11:12:00 Backup file created on Nov 29, 2001 11:00
	<u> </u>
	by Gary Fisher Natl Institute of Standards & Technology

Case DI-092 for	SafeBack 2.18
	Software Diagnostics & Con
	Backup file comment record:
	DI-092
	11:12:02 Backup file D:\IMG.001 opened for access.
	11:12:32 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Nov 29, 2001 11:12
	11:12:32 Partition fixup has been disabled.
	11:12:32 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity3079 MB
	Cylinders6256 Heads16
	11:18:04 The whole-file CRC verifies: a3a50a2a
	11:21:58 Restore of drive 0: to drive 1: completed on Nov 29, 2001 11:21
	11:22:59 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 29, 2001 11:23.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 3132864 fewer sectors than destination (6306048)
	Zero fill: 3132864
	Src Byte fill (B8): 0
	Dst Byte fill (BB): 0
	Other fill: 0
	Other no fill: 0
D	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual Results:	Backfill anomaly
	Ermogtod regulta not aghicyrod
Analysis:	Expected results not achieved

Case DI-093 for	Case DI-093 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-IDE source disk to an XBIOS-IDE destination disk where the source disk is the same size as the destination Introduce a read error from the source.	
Tester Name:	JRL	
Test Date:	Tue Nov 27 08:19:00 2001	
PC:	Rumpole	
Disks:	Source: DOS Drive 80 Physical Label B8 Destination: DOS Drive 81 Physical Label B7 Image media: DOS Drive 82 Physical Label CC B8 is a WDC AC21600H with 3173184 sectors B7 is a WDC AC21600H with 3173184 sectors CC is a SEAGATE ST336705LC with 71687370 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk setup:	Linux EXT2 & DOS Fat16 Disk: B8 Host: JudgeDee Operator: JRL OS: Windows/Me Options: Typical Date: Thu Oct 18 13:47:31 2001 cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log X:\pm\pqmagic /cmd=X:\pm\nex-src.txt Load Operating System to Source disk	

Case DI-093 for	r SafeBack 2.18
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-093 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	, , , , , , , , , , , , , , , , , , ,
Error Setup:	Z:\ss\badx13 80 42 10 7895 > a:\err-093.txt
	Version 3.1 Created 10/11/01 at 12:41:45 badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 42 from drive 80 at LBA sector 7,895
Execute:	Z:\ss\PARTAB.EXE DI-093 Rumpole 80 /all /new_log /comment JRL(B7)
	<pre>Z:\ss\PARTAB.EXE DI-093 Rumpole 81 /all /new_log /comment JRL(B7) z:\sb\master (backup to image)</pre>
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-093 Rumpole 80 B8 81 B7 /new_log /comment JRL
T £11	Z:\ss\DISKHASH.EXE DI-093 Rumpole 80 /comment JRL(B8) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-093
Log File	Safeback log: DI-093/SB_093B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 08:55.
	The tape drive was not used. 08:55:22 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes Adjust partitions: No
	Backfill on restore: No
	08:55:43 Backup file D:\IMG.001 created.
	Backup file comment record: DI-093
	08:55:50 Backing up drive 0:
	to D:\IMG.001 on Nov 27, 2001 08:55
	08:55:51 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16 08:55:51 Partition table for drive 0:
	08:55:52 While reading drive 0: a sector flagged bad error (status 0a)
	occurred:
	at relative sector 7895 (Cylinder 7, Head 13, Sector 21)
	09:03:20 Backup file CRC: 91056b0f. 09:03:22 Backup of drive 0: completed on Nov 27, 2001 09:03.
	SafeBack execution ended on Nov 27, 2001 09:07.
	Safeback log: DI-093/SB_093R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 09:11. The tape drive was not used.
	09:11:21 Menu selections:
	Function: Restore
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	09:11:32 Backup file created on Nov 27, 2001 08:55 by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-093
	09:11:35 Backup file D:\IMG.001 opened for access. 09:11:51 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Nov 27, 2001 09:11
	09:11:51 Partition fixup has been disabled. 09:11:51 Local SafeBack is running on DOS 7.10
	09:11:51 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16 Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16

Case DI-093 for	SafeBack 2.18
	09:11:53 The image for 0: shows that a sector flagged bad error (status 0a) occurred
	during backup at relative sector 7895 (Cylinder 7, Head 13, Sector 21)
	09:19:26 The whole-file CRC verifies: 91056b0f
	09:19:26 Restore of drive 0: to drive 1: completed on Nov 27, 2001 09:19 09:20:28 Menu selections:
	Function: Restore Direct access: No
	Use XBIOS: Yes Adjust partitions: No
	Backfill on restore: No SafeBack execution ended on Nov 27, 2001 09:20.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184 Sectors Differ 1
	Diffs range 7895 Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected Results:	Source disk is unchanged src compares qualified equal to dst
	error message logged
Actual Results:	No anomalies
Analysis:	Expected results achieved

	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Tue Nov 27 11:28:48 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
secup.	1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-094 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	Z:\ss\badx13 81 43 10 6381 > a:\err-094.txt
	Version 3.1 Created 10/11/01 at 12:41:45
	badx13 compiled on 10/11/01 at 12:43:21
	Return error code 10 for X13 command 43 from drive 81 at LBA sector 6,381
Execute:	Z:\ss\PARTAB.EXE DI-094 Rumpole 80 /all /new log /comment JRL(B7)
EVECUCE.	Z:\ss\PARTAB.EXE DI-094 Rumpole 80 /all /new_log /comment JRL(B7) Z:\ss\PARTAB.EXE DI-094 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (backup to image)
	Z:\ss\DISKCMP.EXE DI-094 Rumpole 80 B8 81 B7 /new_log /comment JRL
- 613	Z:\ss\DISKHASH.EXE DI-094 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-094

Case DI-094 for	SafeBack 2.18
loc:	
Log File	Safeback log: DI-094/SB_094B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 11:40.
	The tape drive was not used.
	11:40:32 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes Adjust partitions: No
	Backfill on restore: No
	11:40:56 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-094
	11:41:02 Backing up drive 0:
	to D:\IMG.001 on Nov 27, 2001 11:41
	11:41:03 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	11:41:03 Partition table for drive 0:
	11:48:32 Backup file CRC: 4cdfe8f9.
	11:48:32 Backup of drive 0: completed on Nov 27, 2001 11:48. SafeBack execution ended on Nov 27, 2001 12:22.
	Safeback log: DI-094/SB_094R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 12:23.
	The tape drive was not used.
	12:23:51 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	12:24:33 Backup file created on Nov 27, 2001 11:41
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record: DI-094
	12:24:38 Backup file D:\IMG.001 opened for access.
	12:24:55 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Nov 27, 2001 12:24
	12:24:55 Partition fixup has been disabled.
	12:24:55 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16 12:24:56 While writing drive 1:, a sector flagged bad error (status 0a)
	occurred
	at relative sector 6381 (Cylinder 6, Head 5, Sector 19)
	12:32:30 The whole-file CRC verifies: 4cdfe8f9
	12:32:41 Restore of drive 0: to drive 1: completed on Nov 27, 2001 12:32
	12:32:53 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 27, 2001 12:32.
	Sectors Compared 3173184
	Sectors Differ 45
	Diffs range 6381-6425
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
· 	

Case DI-094 for SafeBack 2.18	
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-097 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	where the source disk is the same size as the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Mon Dec 03 10:11:46 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label B7 Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	and (7) as DIGWITTE EVE DO Tudas Dos 00 DO (aug /mon los
	<pre>cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Gilla 2 (BB (BIBNIADI: BIB Bo_BIC Galact Go / Belgie / Hew_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-097 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-097 Host D:\IMG.001 2395 AE /comment None
	Change byte 2395 of file D:\IMG.001 from 0xFFB8 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-097 Rumpole 80 /all /new_log /comment JRL(B7)
	Z:\ss\PARTAB.EXE DI-097 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-097 Rumpole 80 B8 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-097 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-097
loc:	COST ATOMITYC, SB/ SB/ 2.10/ BI 37/
Log File	Safeback log: DI-097/SB_097B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 10:27.
	The tape drive was not used.
	10:27:43 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:28:09 Backup file D:\IMG.001 created. Backup file comment record:
	DI-097
	10:28:19 Backing up drive 0:
	to D:\IMG.001 on Dec 3, 2001 10:28
	10:28:20 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	10:28:20 Partition table for drive 0: 10:35:48 Backup file CRC: 3ald33b9.

Case DI-097 for	SafeBack 2.18
	10:35:48 Backup of drive 0: completed on Dec 3, 2001 10:35.
	SafeBack execution ended on Dec 3, 2001 10:39.
	Safeback log: DI-097/SB_097R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 10:40.
	The tape drive was not used.
	10:40:21 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:40:35 Backup file created on Dec 3, 2001 10:28
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-097
	10:40:36 Backup file D:\IMG.001 opened for access.
	10:40:54 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Dec 3, 2001 10:40
	10:40:54 Partition fixup has been disabled.
	10:40:54 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	10:40:54 IMG.001, record 0 has a CRC error. 6a96 was expected, but 47bc
	read.
	10:41:01 Backup file CRC error ignored by recovery at sector 0.
	10:41:03 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	10:48:39 CRC mismatch: Calculated: 4321c445, Read: 3a1d33b9
	10:59:39 Restore of drive 0: to drive 1: completed on Dec 3, 2001 10:59
	10:59:47 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 3, 2001 10:59.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 1
	Diffs range 4
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	image verification error
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-098 for	Case DI-098 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-IDE source disk to an XBIOS-IDE destination disk	
	where the source disk is the same size as the destination	
Tester Name:	JRL	
Test Date:	Mon Dec 03 08:41:37 2001	
PC:	Rumpole	
Disks:	Source: DOS Drive 80 Physical Label B8 Destination: DOS Drive 81 Physical Label B7 Image media: DOS Drive 82 Physical Label CC B8 is a WDC AC21600H with 3173184 sectors B7 is a WDC AC21600H with 3173184 sectors CC is a SEAGATE ST336705LC with 71687370 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	

Case DI-098 fo	r SafeBack 2.18
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
	Host: JudgeDee
	Operator: JRL OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	<pre>cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log</pre>
	<pre>X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	CING. 2.\SS\DISKRASH.EAE BO_SIC CAGIAET 60 /Defore /New_tog
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-098 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-098 Rumpole 80 /all /new_log /comment JRL(B7)
	Z:\ss\PARTAB.EXE DI-098 Rumpole 81 /all /new_log /comment JRL(B7) z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-098 Rumpole 80 B8 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-098 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-098
loc:	
Log File Highlights:	Safeback log: DI-098/SB_098B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 08:55.
Highlights.	The tape drive was not used.
	08:55:29 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No 08:56:16 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-098
	08:56:25 Backing up drive 0:
	to D:\IMG.001 on Dec 3, 2001 08:56
	08:56:26 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	08:56:26 Partition table for drive 0:
	09:03:55 Backup file CRC: 760cf5e2.
	09:03:55 Backup of drive 0: completed on Dec 3, 2001 09:03. SafeBack execution ended on Dec 3, 2001 09:24.
	Safeback log: DI-098/SB_098R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 09:25.
	The tape drive was not used.
	09:25:50 Menu selections:
	Function: Restore
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	09:26:00 Backup file created on Dec 3, 2001 08:56
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con Backup file comment record:
	DI-098
	09:26:03 Backup file D:\IMG.001 opened for access.
	09:26:20 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Dec 3, 2001 09:26
	09:26:20 Partition fixup has been disabled.
	09:26:20 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148

Case DI-098 for	SafeBack 2.18
Case DI=098 IOI	Heads16 Destination drive 1:
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual Results:	No anomalies
Analysis:	Expected results achieved

Case DI-099 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
2	to an XBIOS-IDE destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Tue Dec 04 13:59:25 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label F6
	Destination: DOS Drive 81 Physical Label A5
	Image media: DOS Drive 82 Physical Label CC
	F6 is an IBM-DTLA-307020 with 40188960 sectors
	A5 is a WDC WD200BB-00AUA1 with 39102336 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: F6
DOGAL	Host: Wimsey
	Operator: JRL
	OS: Windows 2000
	Date: Sat Jul 21 15:53:12 2001
	2400 240 341 22 23 22 2002
	DISKWIPE.EXE F6_SRC Wimsey 80 F6 /src /new_log /noask /comment Windows
	2000/NT source
	X:\pm\pqmaqic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE IX-27 Morse 80 /before
	DISKIPSIT. HALL IN 27 HOLDE OF 7 SCHOOL
	Disk hash = 8034683D5D55BA51409AC7B5CB0845CA2CF6B235
Destination	Z:\ss\DISKWIPE.EXE DI-099 Cadfael 81 A5 /noask /dst /new_log /comment JRL
Setup:	2 (88 (828)million 21 055 educated of 118 /11848bit / 486 /116W_10g / commented of 118
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-099 Cadfael 80 /all /new_log /comment JRL(A5)
EXCCUCC.	Z:\ss\PARTAB.EXE DI-099 Cadfael 81 /all /new_log /comment JRL(A5)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-099 Cadfael 80 F6 81 A5 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI -099 Cadfael 80 /comment JRL(F6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-099
loc:	0000 0101110,000 000 000
Log File	Safeback log: DI-099/SB_099B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 15:23.
Highlights:	

```
Case DI-099 for SafeBack 2.18
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                           Backfill on restore:
                                                   Nο
               15:24:57 Backup file H:\IMG.001 created.
                         Backup file comment record:
                           DI-099
               15:25:04 Backing up drive 0:
                         to H:\IMG.001 on Dec 4, 2001 15:25
               15:25:05 Local SafeBack is running on DOS 7.10
                         Source drive 0:
                           Capacity......19624 MB
                           Cylinders.....2501
                           Heads.....255
               15:25:05 Partition table for drive 0:
               15:30:51 Backup file H:\IMG.002 created.
               15:36:36 Backup file H:\IMG.003 created.
               15:42:20 Backup file H:\IMG.004 created.
               15:48:04 Backup file H:\IMG.005 created.
               15:53:49 Backup file H:\IMG.006 created.
               15:59:34 Backup file H:\IMG.007 created.
               16:05:19 Backup file H:\IMG.008 created.
               16:11:05 Backup file H:\IMG.009 created.
               16:16:51 Backup file H:\IMG.010 created.
               16:20:19 Backup file CRC: b14c4c88.
               16:20:21 Backup of drive 0: completed on Dec 4, 2001 16:20.
                         SafeBack execution ended on Dec 4, 2001 17:37.
               Safeback log: DI-099/SB_099R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 17:39.
               17:39:18 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                  No
               17:39:33 Backup file created on Dec 4, 2001 15:25
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DT-099
               17:39:34 Backup file H:\IMG.001 opened for access.
               17:40:17 The destination drive capacity is smaller than that of the
                         original source drive.
               17:40:28 Restore of drive 0: from H:\IMG.001
                         to drive 1: started on Dec 4, 2001 17:40
               17:40:28 Partition fixup has been disabled.
               17:40:28 Local SafeBack is running on DOS 7.10
                         Source drive 0:
                           Capacity......19624 MB
                           Cylinders.....2501
                           Heads.....255
                         Destination drive 1:
                           Capacity.....19093 MB
                           Cylinders.....2434
                           Heads.....255
               17:46:19 Backup file H:\IMG.002 opened for access.
               17:52:08 Backup file H:\IMG.003 opened for access.
               17:57:57
                         Backup file H:\IMG.004 opened for access.
               18:03:46 Backup file H:\IMG.005 opened for access.
               18:09:35 Backup file H:\IMG.006 opened for access.
               18:15:28
                         Backup file H:\IMG.007 opened for access.
                         Backup file H:\IMG.008 opened for access.
               18:21:17
               18:27:06 Backup file H:\IMG.009 opened for access.
               18:32:55 Backup file H:\IMG.010 opened for access.
               18:34:55
                         Restore of drive 0: to drive 1: completed on Dec 4, 2001 18:34
               18:39:19 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
```

Case DI-099 for	SafeBack 2.18
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 4, 2001 18:39.
	= = = Measurement Logs = = = =
	Sectors Compared 39102336
	Sectors Differ 0
	Diffs range
	Source (40188960) has 1086624 more sectors than destination (39102336)
	Hash after test: 8034683D5D55BA51409AC7B5CB0845CA2CF6B235
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Cage DT-100 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
case suilliary.	to an XBIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is smaller than the destination
	Introduce an error on the image.
Maghan Nama:	
Tester Name: Test Date:	JRL
PC:	
	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors B7 is a WDC AC21600H with 3173184 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
Source disk	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Linux EXT2 & DOS Fat16
	Disk: B8
setup:	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	and 7. an Dictuine eve no todaches on no (and (now les
	<pre>cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Cild. 2. (88 Distribution EAE Bo_sic Cautaet 80 / Defote / Hew_109
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-100 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-SS.txt
-	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63 06 Fat16
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-100 Host E:\IMG.001 639 AE /comment None
_	Change byte 639 of file E:\IMG.001 from 0x56 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-100 Rumpole 80 /all /new_log /comment JRL(B7)
	Z:\ss\PARTAB.EXE DI-100 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-100 Rumpole 80 B8 81 B7 /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-100 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-100
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
	Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001128960 0355/000/01 0634/063/63

```
Case DI-100 for SafeBack 2.18
                3 S 000000063 000205569 0355/001/01 0405/063/63
                                                                     83 Linux
                 4 x 000205632 000145152 0406/000/01 0441/063/63
                                                                     05 extended
                5 S 000000063 000145089 0406/001/01 0441/063/63
                                                                     06 Fat16
                6 x 000762048 000185472 0544/000/01 0589/063/63
                                                                     05 extended
                7 S 000000063 000185409 0544/001/01 0589/063/63
                                                                     16 other
                8 S 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                9 P 002560320 000064512 0635/000/01 0650/063/63
                                                                     83 Linux
               10 P 002761920 000411264 0685/000/01 0786/063/63
                                                                     82 Linux swap
               Destination disk Drive 0x81, BIOS: Extensions Present
               Interrupt 13 bios 0786/063/63 (max cyl/hd values)
               Interrupt 13 ext 03148/016/63 (number of cyl/hd)
               3173184 total number of sectors reported via interrupt 13 from the BIOS
                N Start LBA Length
                                        Start C/H/S End C/H/S boot Partition type
                1 P 000000063 001334529 0000/001/01 0330/063/63
                                                                     06 Fat16
                 2 P 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-100/SB_100.TXT
                          SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 08:05.
                         The tape drive was not used.
               08:05:35 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                                                   No
                           Backfill on restore:
               08:07:25 Backup file E:\IMG.001 created.
                         Backup file comment record:
                           DI-100
               08:07:30 Backing up drive C:
                          to E:\IMG.001 on Dec 10, 2001 08:07
                08:07:31 Local SafeBack is running on DOS 7.10
                         Source drive C:
                           Capacity......600 MB
                           Cylinders.....304
                           Heads.....64
               08:10:25 Backup file CRC: 91255045.
               08:10:25
                         Backup of drive C: completed on Dec 10, 2001 08:10.
                         SafeBack execution ended on Dec 10, 2001 08:10.
               Safeback log: DI-100/SB_100R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 08:18.
                         The tape drive was not used.
               08:18:38 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBTOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               08:18:51 Backup file created on Dec 10, 2001 08:07
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-100
               08:18:55 Backup file E:\IMG.001 opened for access.
                         Partition/Boot information saved to A:\PT.SPS.
               08:19:21 Restore of drive C: from E:\IMG.001
                         to drive D: started on Dec 10, 2001 08:19
               08:19:21 Partition fixup has been disabled.
                         Local SafeBack is running on DOS 7.10
               08:19:21
                         Source drive C:
                           Capacity.....600 MB
                           Cylinders.....304
                           Heads.....64
                         Destination drive D:
                           Capacity......652 MB
                           Cylinders.....330
                           Heads.....64
               08:19:21 IMG.001, record 0 has a CRC error. 4d38 was expected, but d70f
               read.
               08:19:26 Backup file CRC error ignored by recovery at sector 0.
```

Case DI-100 for	SafeBack 2.18
	08:19:29 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	08:22:40 CRC mismatch: Calculated: 45c4af2b, Read: 91255045
	08:24:01 Restore of drive C: to drive D: completed on Dec 10, 2001 08:24
	08:24:06 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 10, 2001 08:24.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 1
	Diffs range: 0
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (B8): 0
	Dst Byte fill (B7): 104832
	Other fill: 0
	Other no fill: 0
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Fri Dec 14 08:44:50 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label CC
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-101 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-SS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001334529 0000/001/01 0330/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-101 Rumpole 80 /all /new_log /comment JRL(B7)
	Z:\ss\PARTAB.EXE DI-101 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-101 Rumpole 80 F1 81 B7 /new_log /comment JRL
	/select 1 1

Case DI-101 for	r SafeBack 2.18
	Z:\ss\DISKHASH.EXE DI-101 Rumpole 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-101
Log File Highlights:	Source disk Drive 0x80, BIOS: Extensions Present Interrupt 13 bios 0826/063/63 (max cyl/hd values) Interrupt 13 ext 03309/016/63 (number of cyl/hd) 3335472 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32 2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended 3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux 4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended 5 S 000000063 000145089 0406/001/01 0441/063/63 0B Fat32
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended 7 S 000000063 000185409 0544/001/01 0589/063/63 16 other 8 S 000000000 000000000 0000/000/00 0000/000/00 9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux 10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 0786/063/63 (max cyl/hd values) Interrupt 13 ext 03148/016/63 (number of cyl/hd) 3173184 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001334529 0000/001/01 0330/063/63 0B Fat32 2 P 000000000 000000000 0000/000/00 0000/000/00 3 P 00000000 000000000 0000/000/00 0000/000/00 4 P 000000000 000000000 0000/000/00 0000/000/00 5 empty entry 4 P 000000000 000000000 0000/000/00 0000/000/00 Safeback log: DI-101/SB_101B.TXT SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 08:55.
	The tape drive was not used. 08:55:41 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: No Backfill on restore: No
	08:56:15 Backup file E:\IMG.001 created. Backup file comment record: DI-101
	08:56:22 Backing up drive C: to E:\IMG.001 on Dec 14, 2001 08:56 08:56:23 Local SafeBack is running on DOS 7.10
	Source drive C: Capacity600 MB Cylinders304 Heads64
	08:58:40 Backup file CRC: bd08777b. 08:58:40 Backup of drive C: completed on Dec 14, 2001 08:58. SafeBack execution ended on Dec 14, 2001 08:59. Safeback log: DI-101/SB_101R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 08:59. The tape drive was not used. 09:00:10 Menu selections: Function: Restore
	Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No
	09:00:24 Backup file created on Dec 14, 2001 08:56 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con Backup file comment record:
	DI-101 09:00:25 Backup file E:\IMG.001 opened for access. 09:00:48 Partition/Boot information saved to A:\PT.SPS.
	09:00:48 Restore of drive C: from E:\IMG.001 to drive D: started on Dec 14, 2001 09:00 09:00:48 Partition fixup has been disabled. 09:00:48 Local SafeBack is running on DOS 7.10
	Source drive C:

Case DI-101 for	SafeBack 2.18
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity652 MB
	Cylinders330
	Heads64
	09:03:55 The whole-file CRC verifies: bd08777b
	09:03:55 Restore of drive C: to drive D: completed on Dec 14, 2001 09:03
	09:20:52 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 14, 2001 09:20.
	= = = Measurement Logs = = = =
	Sectors Compared 1229697
	Sectors Differ 1
	Diffs range: 1
	Source (1229697) has 104832 fewer sectors than destination (1334529)
	Zero fill: 0
	Src Byte fill (F1): 0
	Dst Byte fill (B7): 104832 Other fill: 0
	Other no fill: 0
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	FAT32 anomaly, Backfill anomaly
Results:	FAISZ anomaly, Backlill anomaly
Analysis:	Expected results not achieved
maryoro.	Impected results not delitered

Case DI-108 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Mon Jul 08 09:24:49 2002
PC:	JudgeDee
Disks:	Source: DOS Drive 80 Physical Label A5
	Destination: DOS Drive 81 Physical Label A6
	Image media: DOS Drive 80 Physical Label A7
	A5 is a WDC WD200BB-00AUA1 with 39102336 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Fat32 only
setup:	Disk: A5
	Host: JudgeDee
	Operator: JRL
	OS: NoOs
	Options: none
	Date: Mon Apr 15 14:35:04 2002
	cmd: Z:\ss\DISKWIPE.EXE A5 JudgeDee 80 A5 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	No OS loaded, FAT32 partition only
	cmd: Z:\ss\DISKHASH.EXE A5 JudgeDee 80 /before /new_log
	Disk hash = 3DE5C01B5BB337EA3E6CF9BC25EB844F5D00FD14
Destination	Z:\ss\DISKWIPE.EXE DI-108 JudgeDee 81 A6 /noask /dst /new_log /comment
Setup:	JRL
_	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 27 9 5 2 10 >> A:\err-108.txt

Case DI-108 for	r SafeBack 2.18
	Z:\ss\baddisk 80 27 9 5 10 10 >> A:\err-108.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00027/00009/00005
	return code 00010 on command 00010 from disk 00080 at address 00027/00009/00005
Evoquto:	z:\sb\master (backup to image)
Execute:	z:\sb\master (backup to image)
	Z:\ss\PARTCMP.EXE DI-108 JudgeDee 80 A5 81 A6 /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-108 JudgeDee 80 /comment A5(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-108
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1023/254/63 (max cyl/hd values)
	Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	39102336 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 0B Fat32
	2 X 001429785 037061955 0089/000/01 1023/254/63 0F extended
	3 S 000000063 000208782 0089/001/01 0101/254/63 83 Linux
	4 x 000208845 000144585 0102/000/01 0110/254/63 05 extended
	5 S 000000063 000144522 0102/000/01 0110/254/63
	6 x 000771120 000192780 0137/000/01 0148/254/63 05 extended
	7 S 000000063 000192717 0137/001/01 0148/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 038491740 000064260 1023/000/01 1023/254/63 83 Linux
	10 P 038684520 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1023/254/63 (max cyl/hd values)
	Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	39102336 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-108/SB_108B.TXT
	SafeBack 2.18 13Feb01 execution started on Jul 8, 2002 10:26.
	10:26:26 Menu selections: Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	10:26:43 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-108
	10:26:47 Backing up drive C:
	to D:\IMG.001 on Jul 8, 2002 10:26
	10:26:48 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity604 MB
	Cylinders76
	Heads255
	10:27:56 While reading drive C: a bad address mark error (status 02)
	occurred:
	at relative sector 434263 (Cylinder 27, Head 8, Sector 5)
	10:29:46 Backup file CRC: 591da57a. 10:29:46 Backup of drive C: completed on Jul 8, 2002 10:29.
	SafeBack execution ended on Jul 8, 2002 10:29.
	Safeback log: DI-108/SB_108R.TXT
	SafeBack 2.18 13Feb01 execution started on Jul 8, 2002 10:33.
	10:33:23 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes

Case DI-108 for	SafeBack 2.18
	10:33:28 Backup file created on Jul 8, 2002 10:26
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-108
	10:33:32 Backup file C:\IMG.001 opened for access.
	10:33:42 Partition/Boot information saved to A:\PT.SPS.
	10:33:43 Restore of drive C: from C:\IMG.001
	to drive D: started on Jul 8, 2002 10:33
	10:33:43 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	10:34:41 The image for C: shows that a bad address mark error (status
	02) occurred
	during backup at relative sector 434263 (Cylinder 27, Head 8,
	Sector 5)
	10:36:32 The whole-file CRC verifies: 591da57a
	10:36:57 Restore of drive C: to drive D: completed on Jul 8, 2002 10:36
	10:37:04 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jul 8, 2002 10:37.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 2
	Diffs range: 1, 434263
	Hash after test: 3DE5C01B5BB337EA3E6CF9BC25EB844F5D00FD14
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
1.054105	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-109 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-IDE destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Sat Jun 22 09:54:39 2002
PC:	JudgeDee
Disks:	Source: DOS Drive 80 Physical Label F5
	Destination: DOS Drive 81 Physical Label A6
	Image media: DOS Drive 80 Physical Label 63
	F5 is an IBM-DTLA-307020 with 40188960 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors
	63 is a WDCWD64AA with 12594960 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: F5
	Host: Cadfael
	Operator: JRL
	OS: WindowsMe/Linux
	Date: Sat Aug 11 11:13:43 2001
	DISKWIPE.EXE F5_SRC Cadfael 80 F5 /src
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt

Case DI-109 for	r SafeBack 2.18
	Load Operating System to Source disk DISKHASH.EXE F5_SRC Cadfael 80 /before
	225/4126/1212 15_5/16 6442452 66 7 562525
	Disk hash = 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-109 JudgeDee 81 A6 /noask /dst /new_log /comment JRL
	X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 81 33 2 10 3 10 >> A:\err-109.txt
	Version 3.2 Created 06/05/02 at 13:50:39 baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081
	at address 00033/00002/00010
Execute:	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\SS\MASTER (lestore from image) Z:\ss\PARTCMP.EXE DI-109 JudgeDee 80 F5 81 A6 /new_log /comment JRL /select 1 1
	Z:\ss\DISKHASH.EXE DI-109 JudgeDee 80 /comment F5(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-109
loc:	
Log File Highlights:	Source disk Drive 0x80, BIOS: Extensions Present Interrupt 13 bios 1023/254/63 (max cyl/hd values)
1119111191105	Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	40188960 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16 2 X 002249100 007181055 0140/000/01 0586/254/63 05 extended
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63 05 extended
	5 S 000000063 000144522 0153/001/01 0161/254/63 06 Fat16
	6 x 004450005 000192780 0417/000/01 0428/254/63
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other 8 S 000000000 00000000 0000/000/00 0000/000/00 00
	9 P 009430155 006152895 0587/000/01 0969/254/63 83 Linux
	10 P 039760875 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1023/254/63 (max cyl/hd values) Interrupt 13 ext 16383/016/63 (number of cyl/hd)
	39102336 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 06 Fat16
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-109/SB_109B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 10:51.
	10:51:32 Menu selections: Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes 10:51:58 Backup file C:\IMG.001 created.
	Backup file comment record:
	DI-109
	10:52:05 Backing up drive D:
	to C:\IMG.001 on Jun 22, 2002 10:52 10:52:06 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB Cylinders76
	Heads255
	10:55:37 Backup file CRC: 5f9fda26.
	10:55:37 Backup of drive D: completed on Jun 22, 2002 10:55.
	SafeBack execution ended on Jun 22, 2002 10:56.
	Safeback log: DI-109/SB_109R.TXT SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 11:00.
	11:00:35 Menu selections: Function: Restore
	Direct access: No

Case DI-109 for	r SafeBack 2.18
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	11:00:41 Backup file created on Jun 22, 2002 10:52
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-109
	11:00:44 Backup file C:\IMG.001 opened for access.
	11:00:56 Partition/Boot information saved to A:\PT.SPS.
	11:00:57 Restore of drive D: from C:\IMG.001
	· ·
	to drive D: started on Jun 22, 2002 11:00
	11:00:57 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	11:02:23 While writing drive D:, a bad address mark error (status 02)
	occurred
	at relative sector 530217 (Cylinder 33, Head 1, Sector 10)
	11:04:01 The whole-file CRC verifies: 5f9fda26
	11:04:01 Restore of drive D: to drive D: completed on Jun 22, 2002 11:04
	11:04:07 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 22, 2002 11:04.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 11
	Diffs range: 530217, 530235-530240, 530245-530247,
	Hash after test: 83A0002816BBF089F8BE33C41C92C3B5A0F42A54
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
MCDUILD.	error message logged
Actual	No anomalies
Actual	NO AUDIMATIES
Results:	Throughod morally applicated
Analysis:	Expected results achieved

Case DI-118 for	Case DI-118 for SafeBack 2.18		
Case Summary:	Create an image from an XBIOS-IDE source disk to an XBIOS-IDE destination disk		
	and the source contains a FAT32 partition where the source disk is larger than the destination		
Tester Name:	JRL		
Test Date:	Fri Dec 14 10:11:43 2001		
PC:	Rumpole		
Disks:	Source: DOS Drive 80 Physical Label F1 Destination: DOS Drive 81 Physical Label B7 Image media: DOS Drive 82 Physical Label CC F1 is a Quantum Sirooco1700A with 3335472 sectors B7 is a WDC AC21600H with 3173184 sectors CC is a SEAGATE ST336705LC with 71687370 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk setup:	Linux EXT2 & Fat32 Disk: F1 Host: JudgeDee Operator: JRL OS: Windows/Me Options: Typical Date: Fri Nov 16 10:42:33 2001		

Cage DT_110 f	SafeBack 2.18
Case DI-II6 IO	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-118 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-BS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-118 Rumpole 80 /all /new_log /comment JRL(B7) Z:\ss\PARTAB.EXE DI-118 Rumpole 81 /all /new log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (backup to image)
	Z:\ss\PARTCMP.EXE DI-118 Rumpole 80 F1 81 B7 /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-118 Rumpole 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-118
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 0826/063/63 (max cyl/hd values)
	Interrupt 13 ext 03309/016/63 (number of cyl/hd)
	3335472 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 0B Fat32
	2 X 001431360 001290240 0355/000/01 0674/063/63 05 extended
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63
	6 x 000762048 000185472 0544/000/01 0589/063/63
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 002721600 000064512 0675/000/01 0690/063/63 83 Linux
	10 P 002923200 000411264 0725/000/01 0826/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 0786/063/63 (max cyl/hd values) Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-118/SB_118B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 10:36.
	The tape drive was not used.
	10:37:09 Menu selections: Function: Backup
	Function: Backup Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:37:46 Backup file E:\IMG.001 created.
	Backup file comment record:
	DI-118
	10:37:58 Backing up drive C:
	to E:\IMG.001 on Dec 14, 2001 10:37
	10:37:59 Local SafeBack is running on DOS 7.10
	Source drive C: Capacity600 MB
	Cylinders304
	Heads64
	10:40:16 Backup file CRC: 0aa597a1.
	10:40:16 Backup of drive C: completed on Dec 14, 2001 10:40.
	SafeBack execution ended on Dec 14, 2001 10:43.
	Safeback log: DI-118/SB_118R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 10:47.
	The tape drive was not used.
	10:47:18 Menu selections:

Case DI-118 for SafeBack 2.18
Function: Restore
Direct access: No
Use XBIOS: Yes
Adjust partitions: No
Backfill on restore: No
10:47:33 Backup file created on Dec 14, 2001 10:37
by Gary Fisher Natl Institute of Standards & Technology
Software Diagnostics & Con
Backup file comment record:
DI-118
10:47:35 Backup file E:\IMG.001 opened for access.
10:47:41 The destination drive capacity is smaller than that of the
original source drive.
10:47:47 Partition/Boot information saved to A:\PT.SPS.
10:47:48 Restore of drive C: from E:\IMG.001
to drive D: started on Dec 14, 2001 10:47
10:47:48 Partition fixup has been disabled.
10:47:48 Local SafeBack is running on DOS 7.10
Source drive C:
Capacity600 MB
Cylinders304
Heads64
Destination drive D:
Capacity551 MB
Cylinders279
Heads64
10:50:39 Restore of drive C: to drive D: completed on Dec 14, 2001 10:50
10:50:45 Menu selections:
Function: Restore
Direct access: No
Use XBIOS: Yes
Adjust partitions: No
Backfill on restore: No
SafeBack execution ended on Dec 14, 2001 10:50.
= = = Measurement Logs = = = =
Sectors Compared 1128897
Sectors Differ 1
Diffs range: 1
Source (1229697) has 100800 more sectors than destination (1128897)
Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected Source disk is unchanged
Results: src compares qualified equal to dst, src is truncated on dst
truncation is logged
Actual FAT32 anomaly
Results:
Analysis: Expected results not achieved

Cago DT-110 for	Case DI-119 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-IDE source disk to an XBIOS-IDE destination disk and the source contains a FAT16 partition where the source disk is larger than the destination Create the image on a removable medium.	
Tester Name:	JRL	
Test Date:	Mon Dec 10 09:12:27 2001	
PC:	Rumpole	
Disks:	Source: DOS Drive 80 Physical Label B8 Destination: DOS Drive 81 Physical Label B7 Image media: DOS Drive 82 Physical Label CC B8 is a WDC AC21600H with 3173184 sectors B7 is a WDC AC21600H with 3173184 sectors CC is a SEAGATE ST336705LC with 71687370 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk setup:	Linux EXT2 & DOS Fat16 Disk: B8 Host: JudgeDee Operator: JRL OS: Windows/Me	

Case DI-119 for	r SafeBack 2.18
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	<pre>cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-119 Rumpole 81 B7 /noask /dst /new_log /comment JRL X:\PM\PQMAGIC /cmd=X:\PM\D16X-BS.txt
Sccup.	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63 06 Fat16
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-119 Rumpole 80 /all /new_log /comment JRL(B7)
	Z:\ss\PARTAB.EXE DI-119 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	<pre>z:\sb\master (restore from image) Z:\ss\PARTCMP.EXE DI-119 Rumpole 80 B8 81 B7 /new_log /comment JRL</pre>
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-119 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-119
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
	Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001229697 0000/001/01 0304/063/63 Boot 06 Fat16
	2 X 001431360 001128960 0355/000/01 0634/063/63
	3 S 000000063 000205569 0355/001/01 0405/063/63 83 Linux
	4 x 000205632 000145152 0406/000/01 0441/063/63 05 extended
	5 S 000000063 000145089 0406/001/01 0441/063/63 06 Fat16
	6 x 000762048 000185472 0544/000/01 0589/063/63 05 extended
	7 S 000000063 000185409 0544/001/01 0589/063/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	10 P 002761920 000411264 0685/000/01 0786/063/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 0786/063/63 (max cyl/hd values)
	Interrupt 13 ext 03148/016/63 (number of cyl/hd)
	3173184 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001128897 0000/001/01 0279/063/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-119/SB_119B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 09:27.
	The tape drive was not used.
	09:27:13 Menu selections:
	Function: Backup
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	09:27:47 Backup file X:\IMG.001 created.
	Backup file comment record:
	DI-119
	09:28:05 Backing up drive C:
	to X:\IMG.001 on Dec 10, 2001 09:28 09:28:07 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	09:38:38 Backup file CRC: 2d38c1fc.
	09:38:38 Backup of drive C: completed on Dec 10, 2001 09:38.
	SafeBack execution ended on Dec 10, 2001 09:39.
	Safeback log: DI-119/SB_119R.TXT

Case DI-119 for	SafeBack 2.18
	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 09:40.
	The tape drive was not used.
	09:40:31 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	09:40:40 Backup file volume 1 requested.
	09:40:49 Backup file created on Dec 10, 2001 09:28
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record: DI-119
	09:40:52 Backup file X:\IMG.001 opened for access.
	09:41:02 The destination drive capacity is smaller than that of the
	original source drive. 09:41:11 Partition/Boot information saved to A:\PT.SPS.
	09:41:11 Partition/Boot information saved to A:\PT.SPS. 09:41:11 Restore of drive C: from X:\IMG.001
	to drive D: started on Dec 10, 2001 09:41
	09:41:11 Partition fixup has been disabled.
	09:41:11 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity600 MB
	Cylinders304
	Heads64
	Destination drive D:
	Capacity551 MB
	Cylinders279
	Heads64
	09:48:50 Restore of drive C: to drive D: completed on Dec 10, 2001 09:48
	= = = Measurement Logs = = = =
	Sectors Compared 1128897
	Sectors Differ 0
	Diffs range:
	Source (1229697) has 100800 more sectors than destination (1128897)
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-120 for	Case DI-120 for SafeBack 2.18		
Case Summary:	Create an image from an XBIOS-SCSI source disk		
	to an XBIOS-SCSI destination disk		
	where the source disk is smaller than the destination		
	Introduce an error on the image.		
Tester Name:	JRL		
Test Date:	Thu Nov 15 12:49:10 2001		
PC:	Wimsey		
Disks:	Source: DOS Drive 81 Physical Label E4		
	Destination: DOS Drive 82 Physical Label E7		
	Image media: DOS Drive 80 Physical Label A7		
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	E7 is a SEAGATE ST318404LC with 35843670 sectors		
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors		
	Jaz disk with partition magic and scripts		
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	Windows 2000 with NTFS & Fat32		
setup:	Disk: E4		
	Host: JudgeDee		
	Operator: JRL		
	OS: Windows 2000/NT		
	Date: Sat Jul 21 16:58:28 2001		
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000 source disk		

X:\pm\pqmagic /cmd=X:\pm\nt-src.txt Load Operating System to Source disk cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment JRI Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from OxFFE4 to OxFFAE Z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log file Highlights: Safeback log: DI-120/SB_120B.TXT Safeback 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB Colinders 1116		Load Operating System to Source disk cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image)
Cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before		cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7)
Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment JRI Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: Z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files test-archive/sb/sb-2.18/DI-120 Log File Highlights: SafeBack log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No Backfill on restore: No Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7)
Destination Setup: Error Setup: Cmd: Z:\ss\CORRUPT.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment JRI cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: Z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log file Highlights: Safeback log: DI-120/SB_120B.TXT Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backifill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		Destination Z:\ss\DISKWIPE.EXE DI-120 Wimsey 81 E7 /noask /dst /new_log /comment Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image)
Setup: Error Setup: Cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from OxFFE4 to OxFFAE Execute: Z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) Z:\sb\master (backup to image) Z:\sb\master (backup to image) Z:\ss\DISKCMM.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKCMM.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log file Highlights: Safeback log: DI-120/SB_120B.TXT Safeback log: DI-120/SB_120B.TXT Safeback 2.18 13Feb01 execution started on Nov 15, 2001 13:07 l3:07:43 Menu selections: Function: Direct access: No Use XBIOS: Yes Adjust partitions: Backup Direct access: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 l3:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		Setup: Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7) z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image)
Cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE	07.	Error Setup: cmd: Z:\ss\CORRUPT.EXE DI-120 Host E:\IMG.001 6103 AE /comment None Change byte 6103 of file E:\IMG.001 from 0xFFE4 to 0xFFAE Execute: z:\ss\PARTAB.EXE DI-120 Wimsey 81 /all /new_log /comment JRL(E7)
Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log file Highlights: Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: No Backill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	<pre>Z:\ss\PARTAB.EXE DI-120 Wimsey 82 /all /new_log /comment JRL(E7) z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log file	07.	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
z:\sb\master (restore from image) z:\ss\DISKCMP.EXE DI-120 Wimsey 81 E4 82 E7 /new_log /comment JRL z:\ss\DISKCMP.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log File Highlights: Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	z:\sb\master (restore from image)
Z:\ss\DISKHASH.EXE DI-120 Wimsey 81 /comment JRL(E4) /new_log /after Log files loc: Log File Highlights: Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: Backup Sackfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	7:\ cc\ DICKOMD EVE DI 120 Mimaco 01 E4 02 E7 /non loc /nommont IDI
Log files loc: Log File Highlights: Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	
Log File Highlights: Safeback log: DI-120/SB_120B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	
Highlights: SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:07 13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	loc:
13:07:43 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB	07.	* =
Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		
Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		
Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		-
Adjust partitions: No Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		
Backfill on restore: No 13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		
13:08:05 Backup file E:\IMG.001 created. Backup file comment record: DI-120 13:08:58 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		
DI-120 13:08:58 Backing up drive 1:		
13:08:58 Backing up drive 1:		- :
to E:\IMG.001 on Nov 15, 2001 13:08 13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		DI-120
13:08:59 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB		3 .
Source drive 1: Capacity8759 MB		· · · · · · · · · · · · · · · · · · ·
Capacity8759 MB		•
-		Cylinders1116
Heads255 13:08:59 Partition table for drive 1:		
13:15:23 Backup file E:\IMG.002 created.		
13:21:41 Backup file E:\IMG.003 created.		- :
13:28:06 Backup file E:\IMG.004 created.		- :
13:34:34 Backup file E:\IMG.005 created.		
13:36:19 Backup file CRC: e5e77797.		
13:36:19 Backup of drive 1: completed on Nov 15, 2001 13:36.		13:36:19 Backup of drive 1: completed on Nov 15, 2001 13:36.
SafeBack execution ended on Nov 15, 2001 14:14.		·
Safeback log: DI-120/SB_120R.TXT		=
SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 14:18	18.	·
14:18:20 Menu selections:		
Function: Restore		
Direct access: No Use XBIOS: Yes		
Adjust partitions: No		
Backfill on restore: No		
14:18:33 Backup file created on Nov 15, 2001 13:08		
by Gary Fisher Natl Institute of Standards & Technology		
Software Diagnostics & Con		• •
Backup file comment record: DI-120		Backup file comment record:
14:18:36 Backup file E:\IMG.001 opened for access.		
14:18:53 Restore of drive 1: from E:\IMG.001		
to drive 2: started on Nov 15, 2001 14:18		·
14:18:53 Partition fixup has been disabled.		
14:18:53 Local SafeBack is running on DOS 7.10 Source drive 1:		14:18:53 Local SafeBack is running on DOS 7.10
Capacity8759 MB		
Cylinders1116		
Heads255		
Destination drive 2:		
Capacity17502 MB		
Cylinders2231		
Heads255		
14:18:53 IMG.001, record 0 has a CRC error. 1dc8 was expected, but e753		Heads255

Case DI-120 for	SafeBack 2.18	
	read.	
	14:19:01 Backup file CRC error ignored by recovery at sector 0.	
	14:19:06 Data starting at sector 0 and the next 119 sectors is	
	questionable due to CRC errors.	
	14:25:50 Backup file E:\IMG.002 opened for access.	
	14:32:35 Backup file E:\IMG.003 opened for access.	
	14:39:29 Backup file E:\IMG.004 opened for access.	
	14:46:25 Backup file E:\IMG.005 opened for access.	
	14:48:18 CRC mismatch: Calculated: 1b535c9a, Read: e5e77797	
	15:11:09 Restore of drive 1: to drive 2: completed on Nov 15, 2001 15:11	
	15:18:51 Menu selections:	
	Function: Restore	
	Direct access: No	
	Use XBIOS: Yes	
	Adjust partitions: No	
	Backfill on restore: No	
	SafeBack execution ended on Nov 15, 2001 15:18.	
	= = = Measurement Logs = = = =	
	Sectors Compared 17938985 Sectors Differ 1	

	Diffs range 11	
	Source (17938985) has 17904685 fewer sectors than destination (35843670)	
	Zero fill: 17904685	
	Src Byte fill (E4): 0 Dst Byte fill (E7): 0	
	Other fill: 0	
	Other no fill:	
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF	
Expected	Source disk is unchanged	
Results:	image verification error	
Actual	Backfill anomaly	
Results:	-	
Analysis:	Expected results not achieved	

Case DI-121 for	SafeBack 2 18	
Case Summary:	Create an image from an XBIOS-SCSI source disk	
case summary.	to an XBIOS-SCSI destination disk	
	where the source disk is smaller than the destination	
Tester Name:	TRL	
	V	
Test Date:	Thu Nov 08 14:24:10 2001	
PC:	Cadfael	
Disks:	Source: DOS Drive 81 Physical Label E3	
	Destination: DOS Drive 82 Physical Label E6	
	Image media: DOS Drive 80 Physical Label A7	
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	E6 is a SEAGATE ST318404LC with 35843670 sectors	
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors	
	Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16	
setup:	Disk: E3	
	Host: Cadfael	
	Operator: JRL	
	OS: Linux Red Hat 7.1/Windows Me	
	Date: Sat Jul 21 16:17:29 2001	
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log	
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt	
	Load Operating System to Source disk	
	DISKHASH.EXE E3_SRC Rumpole 80 /before	
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0	
Destination	Z:\ss\DISKWIPE.EXE DI-121 Wimsey 81 E6 /noask /dst /new_log /comment JRL	
Setup:		
Error Setup:	none	
Execute:	Z:\ss\PARTAB.EXE DI-121 Cadfael 81 /all /new_log /comment JRL(E6)	
	Z:\ss\PARTAB.EXE DI-121 Cadfael 82 /all /new_log /comment JRL(E6)	
	z:\sb\master (backup to image)	
	z:\sb\master (restore from image)	
	, , , , , , , , , , , , , , , , , , , ,	

Case DI-121 fo	or SafeBack 2.18
	Z:\ss\DISKCMP.EXE DI-121 Cadfael 81 E3 82 E6 /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-121 Cadfael 81 /comment JRL(E3) /new_log /after
Log files loc:	test-archive/sb/sb-2.18/DI-121
Log File	Safeback log: DI-121/SB_121B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 8, 2001 14:25.
5 5	14:26:30 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:27:16 Backup file E:\IMG.001 created.
	Backup file comment record: DI-121
	14:27:22 Backing up drive 1:
	to E:\IMG.001 on Nov 8, 2001 14:27
	14:27:24 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	14:27:24 Partition table for drive 1:
	14:33:34 Backup file E:\IMG.002 created.
	14:39:43 Backup file E:\IMG.003 created.
	14:45:54 Backup file E:\IMG.004 created.
	14:52:11 Backup file E:\IMG.005 created.
	14:53:59 Backup file CRC: d3887c3f.
	14:53:59 Backup of drive 1: completed on Nov 8, 2001 14:53.
	SafeBack execution ended on Nov 8, 2001 14:57.
	Safeback log: DI-121/SB_121R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 8, 2001 14:59. 14:59:19 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	15:00:15 Backup file created on Nov 8, 2001 14:27
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-121
	15:00:16 Backup file E:\IMG.001 opened for access.
	15:00:58 Restore of drive 1: from E:\IMG.001
	to drive 2: started on Nov 8, 2001 15:00 15:00:58 Partition fixup has been disabled.
	15:00:58 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 2:
	Capacity17502 MB
	Cylinders2231
	Heads255
	15:07:33 Backup file E:\IMG.002 opened for access.
	15:14:11 Backup file E:\IMG.003 opened for access.
	15:20:52 Backup file E:\IMG.004 opened for access.
	15:27:35 Backup file E:\IMG.005 opened for access.
	15:29:31 The whole-file CRC verifies: d3887c3f
	15:34:54 Restore of drive 1: to drive 2: completed on Nov 8, 2001 15:34 15:36:31 Menu selections:
	15:30:31 Menu selections: Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No

Case DI-121 for	SafeBack 2.18
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17904685 fewer sectors than destination (35843670)
	Zero fill: 17904685
	Src Byte fill (E3): 0
	Dst Byte fill (E6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	-
Analysis:	Expected results not achieved

Case DI-122 fo	r SafeBack 2.18		
Case Summary:	Create an image from an XBIOS-SCSI source disk		
20.00	to an XBIOS-SCSI destination disk		
	where the source disk is the same size as the destination		
	Introduce a read error from the source.		
Tester Name:	JRL		
Test Date:	Tue Apr 16 08:03:28 2002		
PC:	Rumpole		
Disks:	Source: DOS Drive 80 Physical Label E4		
	Destination: DOS Drive 81 Physical Label E1		
	Image media: DOS Drive 82 Physical Label CC		
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	E1 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	CC is a SEAGATE ST336705LC with 71687370 sectors		
	Jaz disk with partition magic and scripts		
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	Windows 2000 with NTFS & Fat32		
setup:	Disk: E4		
	Host: JudgeDee		
	Operator: JRL		
	OS: Windows 2000/NT		
	Date: Sat Jul 21 16:58:28 2001		
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000		
	source disk		
	<pre>X:\pm\pqmagic /cmd=X:\pm\nt-src.txt Load Operating System to Source disk</pre>		
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before		
	Citat. A. (35 (DISMASILERE HASH WITESEY 00 / Comment E4 / Hew_log / Defote		
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF		
Destination	Z:\ss\DISKWIPE.EXE DI-122 Rumpole 81 E1 /noask /dst /new_log /comment JRL		
Setup:			
Error Setup:	Z:\ss\badx13 80 42 10 1380770 > a:\err-122.txt		
_	Version 3.1 Created 10/11/01 at 12:41:45		
	badx13 compiled on 10/11/01 at 12:43:21		
	Return error code 10 for X13 command 42 from drive 80 at LBA sector		
	1,380,770		
Execute:	Z:\ss\PARTAB.EXE DI-122 Rumpole 80 /all /new_log /comment JRL(E1)		
	Z:\ss\PARTAB.EXE DI-122 Rumpole 81 /all /new_log /comment JRL(E1)		
	z:\sb\master (backup to image)		
	z:\sb\master (restore from image)		
	Z:\ss\DISKCMP.EXE DI-122 Rumpole 80 E4 81 E1 /new_log /comment JRL		
- 613	Z:\ss\DISKHASH.EXE DI-122 Rumpole 80 /comment JRL(E4) /new_log /after		
Log files	test-archive/sb/sb-2.18/DI-122		
loc:			
Log File	Safeback log: DI-122/SB_122B.TXT		
Highlights:	SafeBack 2.18 13Feb01 execution started on Apr 16, 2002 08:13.		
	The tape drive was not used.		
	08:13:12 Menu selections:		
	Function: Backup		
	Direct access: No		
	Use XBIOS: Auto		

```
Case DI-122 for SafeBack 2.18
                            Adjust partitions:
                                                   Auto
                           Backfill on restore:
                                                   Yes
               08:13:27 Backup file E:\IMG.001 created.
                         Backup file comment record:
                           DI-122
               08:13:33 Backing up drive 0:
                         to E:\IMG.001 on Apr 16, 2002 08:13
               08:13:34 Local SafeBack is running on DOS 7.10
                         Source drive 0:
                           Capacity.....8759 MB
                           Cylinders.....1116
                           Heads.....255
               08:13:34 Partition table for drive 0:
               08:14:41 While reading drive 0: a sector flagged bad error (status 0a)
               occurred:
                         at relative sector 1380770 (Cylinder 85, Head 241, Sector 63)
               08:17:01 Backup file E:\IMG.002 created.
               08:20:39 Backup file E:\IMG.003 created.
               08:24:26 Backup file E:\IMG.004 created.
               08:28:12
                         Backup file E:\IMG.005 created.
               08:29:09 Backup file CRC: aec0b453.
               08:29:12 Backup of drive 0: completed on Apr 16, 2002 08:29.
                         SafeBack execution ended on Apr 16, 2002 08:31.
               Safeback log: DI-122/SB_122R.TXT
                         SafeBack 2.18 13Feb01 execution started on Apr 16, 2002 08:37.
                         The tape drive was not used.
               08:37:20 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   Auto
                           Backfill on restore:
                                                  Yes
               08:37:42 Backup file created on Apr 16, 2002 08:13
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-122
               08:37:44 Backup file D:\IMG.001 opened for access.
               08:37:54 Restore of drive 0: from D:\IMG.001
                         to drive 1: started on Apr 16, 2002 08:37
               08:37:54 Local SafeBack is running on DOS 7.10
                         Source drive 0:
                           Capacity.....8759 MB
                           Cylinders.....1116
                           Heads.....255
                         Destination drive 1:
                           Capacity......8759 MB
                           Cylinders.....1116
                           Heads.....255
               08:38:51 The image for 0: shows that a sector flagged bad error (status
               0a) occurred
                         during backup at relative sector 1380770 (Cylinder 85, Head
               241, Sector 63)
               08:40:52 Backup file D:\IMG.002 opened for access.
               08:43:48 Backup file D:\IMG.003 opened for access.
               08:46:45 Backup file D:\IMG.004 opened for access.
               08:49:42 Backup file D:\IMG.005 opened for access.
               08:50:31 The whole-file CRC verifies: aec0b453
               08:51:27
                         Partition table for drive 1:
               08:51:27 Restore of drive 0: to drive 1: completed on Apr 16, 2002 08:51
               08:51:31 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                                                   Auto
                           Use XBIOS:
                           Adjust partitions:
                                                   Auto
                           Backfill on restore:
                                                   Yes
                         SafeBack execution ended on Apr 16, 2002 08:51.
                = = = = Measurement Logs = = = =
               Sectors Compared 17938985
               Sectors Differ 1
```

Case DI-122 for SafeBack 2.18		
	Diffs range 1380770	
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF	
Expected	Source disk is unchanged	
Results:	src compares qualified equal to dst	
	error message logged	
Actual	No anomalies	
Results:		
Analysis:	Expected results achieved	

Case DI-123 for	SafeBack 2.18		
Case Summary:	Create an image from an XBIOS-SCSI source disk		
-	to an XBIOS-SCSI destination disk		
	where the source disk is the same size as the destination		
	Introduce a write error to the destination.		
Tester Name:	JRL		
Test Date:	Mon Apr 15 09:35:08 2002		
PC:	Cadfael		
Disks:	Source: DOS Drive 80 Physical Label E4		
	Destination: DOS Drive 81 Physical Label E1 Image media: DOS Drive 82 Physical Label CC		
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	E1 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	CC is a SEAGATE ST336705LC with 71687370 sectors		
	Jaz disk with partition magic and scripts		
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	Windows 2000 with NTFS & Fat32		
setup:	Disk: E4		
	Host: JudgeDee		
	Operator: JRL OS: Windows 2000/NT		
	Date: Sat Jul 21 16:58:28 2001		
	Date: Sat our 21 10.50.20 2001		
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000		
	source disk		
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt		
	Load Operating System to Source disk		
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before		
	Di-l- hl- 05DE0AECD0D0E0DD1000G0CE0C0DD07EE1G40GDE		
Destination	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF Z:\ss\DISKWIPE.EXE DI-123 Cadfael 81 E1 /noask /dst /new_log /comment JRL		
Setup:	2 (bb (blokmilling bi 123 caalact of bi /noabh /abc /new_log /commence on		
Error Setup:	Z:\ss\badx13 81 43 10 17938800 > a:\err-123.txt		
	Version 3.1 Created 10/11/01 at 12:41:45		
	badx13 compiled on 10/11/01 at 12:43:21		
	Return error code 10 for X13 command 43 from drive 81 at LBA sector		
	17,938,800		
Execute:	Z:\ss\PARTAB.EXE DI-123 Cadfael 80 /all /new_log /comment JRL(E1) Z:\ss\PARTAB.EXE DI-123 Cadfael 81 /all /new_log /comment JRL(E1)		
	z:\sb\master (backup to image)		
	z:\sb\master (restore from image)		
	Z:\ss\DISKCMP.EXE DI-123 Cadfael 80 E4 81 E1 /new_log /comment JRL		
	z:\ss\DISKHASH.EXE DI-123 Cadfael 80 /comment JRL(E4) /new_log /after		
Log files	test-archive/sb/sb-2.18/DI-123		
loc:			
Log File	Safeback log: DI-123/SB_123B.TXT		
Highlights:	SafeBack 2.18 13Feb01 execution started on Apr 15, 2002 10:00. 10:00:51 Menu selections:		
	Function: Backup		
	Direct access: No		
	Use XBIOS: Auto		
	Adjust partitions: Auto		
	Backfill on restore: Yes		
	10:01:10 Backup file E:\IMG.001 created.		
	Backup file comment record:		
	DI-123		
	10:01:20 Backing up drive 0:		
	to E:\IMG.001 on Apr 15, 2002 10:01 10:01:22 Local SafeBack is running on DOS 7.10		
	10.01.22 BOCAL SATEBACK IS IMMITTING OIL DOS 7.10		

Case DI-123 for	r SafeBack	2.18
		Source drive 0:
		Capacity8759 MB
		Cylinders1116
	10.01.22	Heads255 Partition table for drive 0:
		Backup file E:\IMG.002 created.
		Backup file E:\IMG.002 created. Backup file E:\IMG.003 created.
		Backup file E:\IMG.004 created.
		Backup file E:\IMG.005 created.
		Backup file CRC: 471e534b.
	10:16:06	Backup of drive 0: completed on Apr 15, 2002 10:16.
	Safeback	SafeBack execution ended on Apr 15, 2002 10:20. log: DI-123/SB_123R.TXT SafeBack 2.18 13Feb01 execution started on Apr 15, 2002 10:24.
	10:24:48	Menu selections:
		Function: Restore
		Direct access: No
		Use XBIOS: Auto
		Adjust partitions: Auto Backfill on restore: Yes
	10:25:15	Backup file created on Apr 15, 2002 10:01
		by Gary Fisher Natl Institute of Standards & Technology
	Software	Diagnostics & Con
		Backup file comment record: DI-123
	10:25:17	Backup file D:\IMG.001 opened for access.
		Restore of drive 0: from D:\IMG.001
	10 20 01	to drive 1: started on Apr 15, 2002 10:25
	10:25:31	Local SafeBack is running on DOS 7.10
		Source drive 0:
		Capacity8759 MB
		Cylinders1116
		Heads255
		Destination drive 1:
		Capacity8759 MB
		Cylinders1116
	10.20.27	Heads255 Backup file D:\IMG.002 opened for access.
		Backup file D:\IMG.003 opened for access.
		Backup file D:\IMG.004 opened for access.
		Backup file D:\IMG.005 opened for access.
	10:37:53	
	occurred	
	55)	at relative sector 17938800 (Cylinder 1116, Head 162, Sector
	10:37:53	The whole-file CRC verifies: 471e534b
	10:52:38	Partition table for drive 1: Restore of drive 0: to drive 1: completed on Apr 15, 2002 10:52
		Menu selections:
	10.33.09	Function: Restore
		Direct access: No
		Use XBIOS: Auto
		Adjust partitions: Auto
		Backfill on restore: Yes
		SafeBack execution ended on Apr 15, 2002 10:53.
		leasurement Logs = = = =
	Sectors D	Compared 17938985
		ge 17938800-17938892
		r test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected		sk is unchanged
Results:	src compa	ures qualified equal to dst sage logged
Actual	No anomal	
Results:	1,0 anomai	
Analysis:	Expected	results achieved

Case DI-126 for SafeBack 2.18		
Case Summary:	Create an image from an XBIOS-SCSI source disk	

Case DI-126 for SafeBack 2.18			
	to an XBIOS-SCSI destination disk		
	where the source disk is the same size as the destination		
	Introduce an error on the image.		
Tester Name:	JRL Thu Nov 15 12:51:47 2001		
Test Date: PC:	Cadfael		
Disks:	Source: DOS Drive 81 Physical Label E3		
DISKS.	Destination: DOS Drive 82 Physical Label E2		
	Image media: DOS Drive 80 Physical Label A8		
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors		
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2		
Source disk	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Dual boot Linux/Windows Me with EXT2 & Fat16		
setup:	Disk: E3		
	Host: Cadfael		
	Operator: JRL		
	OS: Linux Red Hat 7.1/Windows Me		
	Date: Sat Jul 21 16:17:29 2001		
	DIGUNIDE BYE B2 CDC Dumpels 00 B2 /gur /pour loc		
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmaqic /cmd=X:\pm\fat-src.txt		
	Load Operating System to Source disk		
	DISKHASH.EXE E3_SRC Rumpole 80 /before		
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0		
Destination	Z:\ss\DISKWIPE.EXE DI-126 Cadfael 81 E2 /noask /dst /new_log /comment JRL		
Setup:	and an		
Error Setup:	cmd: z:\ss\CORRUPT.EXE di-126 Host E:\img.001 8044 AE /comment None Change byte 8044 of file E:\img.001 from 0xFFE3 to 0xFFAE		
Execute:	Z:\ss\PARTAB.EXE DI-126 Cadfael 81 /all /new_log /comment JRL(E2)		
Exceuce:	Z:\ss\PARTAB.EXE DI-126 Cadfael 82 /all /new_log /comment JRL(E2)		
	z:\sb\master (backup to image)		
	z:\sb\master (restore from image)		
	Z:\ss\DISKCMP.EXE DI-126 Cadfael 81 E3 82 E2 /new_log /comment JRL		
- 617	Z:\ss\DISKHASH.EXE DI-126 Cadfael 81 /comment JRL(E3) /new_log /after		
Log files loc:	test-archive/sb/sb-2.18/DI-126		
Log File	Safeback log: DI-126/SB_126B.TXT		
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 13:00.		
	13:00:50 Menu selections:		
	Function: Backup		
	Direct access: No		
	Use XBIOS: Yes		
	Adjust partitions: No Backfill on restore: No		
	13:01:38 Backup file E:\IMG.001 created.		
	Backup file comment record:		
	DI-126		
	13:01:46 Backing up drive 1:		
	to E:\IMG.001 on Nov 15, 2001 13:01		
	13:01:47 Local SafeBack is running on DOS 7.10		
	Source drive 1: Capacity8759 MB		
	Cylinders1116		
	Heads255		
	13:01:47 Partition table for drive 1:		
	13:08:15 Backup file E:\IMG.002 created.		
	13:14:35 Backup file E:\IMG.003 created.		
	13:21:00 Backup file E:\IMG.004 created.		
	13:27:34 Backup file E:\IMG.005 created. 13:29:19 Backup file CRC: 58a8fle3.		
	13:29:20 Backup of drive 1: completed on Nov 15, 2001 13:29.		
	SafeBack execution ended on Nov 15, 2001 14:10.		
	Safeback log: DI-126/SB_126R.TXT		
	SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 14:17.		
	14:17:22 Menu selections:		
İ	Function: Restore		

Case DI-126 for	r SafeBack 2.18
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:17:33 Backup file created on Nov 15, 2001 13:01
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-126
	14:17:36 Backup file E:\IMG.001 opened for access.
	14:17:58 Restore of drive 1: from E:\IMG.001
	to drive 2: started on Nov 15, 2001 14:17
	14:17:58 Partition fixup has been disabled.
	14:17:58 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255
	14:17:58 IMG.001, record 0 has a CRC error. d3b2 was expected, but f4c3
	read.
	14:18:05 Backup file CRC error ignored by recovery at sector 0.
	14:18:17 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	14:25:07 Backup file E:\IMG.002 opened for access.
	14:31:56 Backup file E:\IMG.003 opened for access.
	14:38:50 Backup file E:\IMG.004 opened for access.
	14:45:52 Backup file E:\IMG.005 opened for access.
	14:47:50 CRC mismatch: Calculated: 1e24a621, Read: 58a8f1e3
	15:10:00 Restore of drive 1: to drive 2: completed on Nov 15, 2001 15:10
	15:10:06 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 15, 2001 15:10.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 1
	Diffs range 15
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	image verification error
Actual Results:	No anomalies
Analysis:	Expected results achieved
wratiors.	Hybereed reputes delitered

Case DI-127 for	Case DI-127 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-SCSI source disk	
	to an XBIOS-SCSI destination disk	
	where the source disk is the same size as the destination	
Tester Name:	JRL	
Test Date:	Tue Nov 13 16:34:19 2001	
PC:	Cadfael	
Disks:	Source: DOS Drive 81 Physical Label E3	
	Destination: DOS Drive 82 Physical Label E2	
	Image media: DOS Drive 80 Physical Label A8	
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors	
	Jaz disk with partition magic and scripts	
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16	
setup:	Disk: E3	
	Host: Cadfael	

Case DI-127 for	SafeBack 2.18
1 202	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	Date: Sat Jul 21 10:17:29 2001
	7.00
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-127 Cadfael 81 E2 /noask /dst /new_log /comment JRL
Setup:	(, 1, 1, 1, 1, 1, 1, 1
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-127 Cadfael 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-127 Cadfael 82 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-127 Cadfael 81 E3 82 E2 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-127 Cadfael 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-127
loc:	
Log File	Safeback log: DI-127/SB_127B.TXT
_	
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 13, 2001 18:04.
	18:04:21 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	18:04:49 Backup file E:\IMG.001 created.
	Backup file comment record:
	DI-127
	18:04:56 Backing up drive 1:
	to E:\IMG.001 on Nov 13, 2001 18:04
	18:04:58 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	18:04:58 Partition table for drive 1:
	18:11:06 Backup file E:\IMG.002 created.
	18:17:17 Backup file E:\IMG.003 created.
	18:23:29 Backup file E:\IMG.004 created.
	18:29:46 Backup file E:\IMG.005 created.
	18:31:35 Backup file CRC: 6fa0ad4f.
	18:31:35 Backup of drive 1: completed on Nov 13, 2001 18:31.
	SafeBack execution ended on Nov 13, 2001 18:48.
	Safeback log: DI-127/SB_127R.TXT
	SafeBack 2.18 13Feb01 execution started on Nov 13, 2001 18:49.
	18:49:41 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	18:50:11 Backup file created on Nov 13, 2001 18:04
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-127
	18:50:15 Backup file E:\IMG.001 opened for access.
	18:50:36 Restore of drive 1: from E:\IMG.001
	· ·
	to drive 2: started on Nov 13, 2001 18:50
	18:50:36 Partition fixup has been disabled.
	18:50:36 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 2:
	Describation arrive 2.

Case DI-127 for	SafeBack 2.18
	Capacity8759 MB
	Cylinders1116
	Heads255
	18:57:35 Backup file E:\IMG.002 opened for access.
	19:04:37 Backup file E:\IMG.003 opened for access.
	19:11:42 Backup file E:\IMG.004 opened for access.
	19:18:49 Backup file E:\IMG.005 opened for access.
	19:20:51 The whole-file CRC verifies: 6fa0ad4f
	19:20:51 Restore of drive 1: to drive 2: completed on Nov 13, 2001 19:20
	10:41:17 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 14, 2001 10:41.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-128 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
7	to an XBIOS-SCSI destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Tue Nov 13 16:17:49 2001
PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label E4
DIBRB.	Destination: DOS Drive 82 Physical Label EB
	Image media: DOS Drive 80 Physical Label A7
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	EB is a SEAGATE ST39204LC with 17921835 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat.32
setup:	Disk: E4
secup.	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	Date. Sat Jul 21 10.50.26 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	X:\pm\pqmaqic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Cild. A. (85 (Diodinon), EAE hash winisey of / Comment E4 / new_log / Defore
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-128 Wimsey 81 EB /noask /dst /new_log /comment JRL
Setup:	2 (b) (b) (b) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-128 Wimsey 81 /all /new_log /comment JRL(EB)
	Z:\ss\PARTAB.EXE DI-128 Wimsey 82 /all /new_log /comment JRL(EB)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-128 Wimsey 81 E4 82 EB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-128 Wimsey 81 /comment JRL(E4) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-128
loc:	100000000000000000000000000000000000000
Log File	Safeback log: DI-128/SB_128B.TXT
TOA LITE	Bateback 109. DI-120/BD_120B.IXI

```
Case DI-128 for SafeBack 2.18
Highlights:
                         SafeBack 2.18 13Feb01 execution started on Nov 13, 2001 16:25.
                16:25:48 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                           Backfill on restore:
                                                   No
                16:26:24 Backup file E:\IMG.001 created.
                         Backup file comment record:
                           DI-128
                16:26:31 Backing up drive 1:
                          to E:\IMG.001 on Nov 13, 2001 16:26
                16:26:32 Local SafeBack is running on DOS 7.10
                         Source drive 1:
                           Capacity......8759 MB
                           Cylinders.....1116
                           Heads.....255
                16:26:32 Partition table for drive 1:
                16:32:50 Backup file E:\IMG.002 created.
                16:39:09 Backup file E:\IMG.003 created.
                16:45:29 Backup file E:\IMG.004 created.
                16:51:46 Backup file E:\IMG.005 created.
                16:53:35 Backup file CRC: 119fa3ac.
                16:53:36
                         Backup of drive 1: completed on Nov 13, 2001 16:53.
                         SafeBack execution ended on Nov 13, 2001 16:54.
                Safeback log: DI-128/SB_128R.TXT
                         SafeBack 2.18 13Feb01 execution started on Nov 13, 2001 16:55.
                16:55:49 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
                16:56:04 Backup file created on Nov 13, 2001 16:26
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DI-128
                16:56:07 Backup file E:\IMG.001 opened for access.
                16:56:16 The destination drive capacity is smaller than that of the
                         original source drive.
                16:56:25 Restore of drive 1: from E:\IMG.001
                         to drive 2: started on Nov 13, 2001 16:56
                16:56:25 Partition fixup has been disabled.
                16:56:25
                         Local SafeBack is running on DOS 7.10
                         Source drive 1:
                            Capacity......8759 MB
                           Cylinders.....1116
                           Heads.....255
                         Destination drive 2:
                           Capacity.....8751 MB
                           Cylinders.....1115
                           Heads.....255
                17:03:00 Backup file E:\IMG.002 opened for access.
                17:09:39
                         Backup file E:\IMG.003 opened for access.
                17:16:20 Backup file E:\IMG.004 opened for access.
                17:23:04 Backup file E:\IMG.005 opened for access.
                17:24:58 Restore of drive 1: to drive 2: completed on Nov 13, 2001 17:24
                17:50:40 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
                         SafeBack execution ended on Nov 13, 2001 17:50.
                = = = = Measurement Logs = = = =
                Sectors Compared 17921835
                Sectors Differ 0
                Diffs range
                Source (17938985) has 17150 more sectors than destination (17921835)
```

Case DI-128 for SafeBack 2.18	
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

G DT 100 5	4.5.2.1.0.10
Case DI-129 for	
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk and the source contains a FAT16 partition
	where the source disk is smaller than the destination
	Introduce an error on the image.
Tester Name:	JRL
	Tue Dec 11 13:35:18 2001
Test Date: PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label E3
DISKS.	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	Province and P2 and P 1 and P2 / 1
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmaqic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	DISMINST. BAL BS_Side Rumpore 00 / Serore
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-129 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup:	X:\PM\POMAGIC /cmd=X:\PM\D16X-SS.txt
_	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001333332 0000/001/01 0082/254/63
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-129 Host C:\IMG.001 680 AE /comment None
	Change byte 680 of file C:\IMG.001 from 0x69 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-129 Wimsey 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-129 Wimsey 82 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-129 Wimsey 81 E3 82 E2 /new_log /comment JRL /select
	1 1 7:\ag\DTCKUACU EVE DT_120 Wimgov 01 /gommont TDI/F2\ /now log /after
Log files	Z:\ss\DISKHASH.EXE DI-129 Wimsey 81 /comment JRL(E3) /new_log /after test-archive/sb/sb-2.18/DI-129
log illes	CCDC GLCGLIVE/DD/DD 2.10/DI 127
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63 05 extended
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63
	5 S 000000063 000144522 0153/001/01 0161/254/63
	6 x 004450005 000192780 0417/000/01 0428/254/63 05 extended
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 009430155 006152895 0587/000/01 0969/254/63 83 Linux
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap

```
Case DI-129 for SafeBack 2.18
               Destination disk Drive 0x82, BIOS: Extensions Present
               Interrupt 13 bios 1022/254/63 (max cyl/hd values)
               Interrupt 13 ext 01023/255/63 (number of cyl/hd)
               17938985 total number of sectors reported via interrupt 13 from the BIOS
                N Start LBA Length
                                       Start C/H/S End C/H/S boot Partition type
                1 P 000000063 001333332 0000/001/01 0082/254/63
                                                                     06 Fat16
                2 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                3 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-129/SB_129B.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 11, 2001 13:49.
               13:49:09 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               13:49:57 Backup file C:\IMG.001 created.
                         Backup file comment record:
                           DI-129
               13:50:04 Backing up drive D:
                         to C:\IMG.001 on Dec 11, 2001 13:50
               13:50:05 Local SafeBack is running on DOS 7.10
                          Source drive D:
                           Capacity.....604 MB
                           Cylinders.....76
                           Heads.....255
               13:51:47 Backup file CRC: 361e1960.
               13:51:47 Backup of drive D: completed on Dec 11, 2001 13:51.
                         SafeBack execution ended on Dec 11, 2001 13:52.
               Safeback log: DI-129/SB_129R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 11, 2001 13:53.
               13:53:57 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               13:54:08 Backup file created on Dec 11, 2001 13:50
                          by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-129
               13:54:10 Backup file C:\IMG.001 opened for access.
               13:54:32 Partition/Boot information saved to A:\PT.SPS.
               13:54:33 Restore of drive D: from C:\IMG.001
                         to drive E: started on Dec 11, 2001 13:54
               13:54:33 Partition fixup has been disabled.
               13:54:33 Local SafeBack is running on DOS 7.10
                          Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                         Destination drive E:
                           Capacity......651 MB
                           Cylinders.....82
                           Heads.....255
               13:54:33 IMG.001, record 0 has a CRC error. cf72 was expected, but 4ad4
               read.
               13:54:37 Backup file CRC error ignored by recovery at sector 0.
               13:54:39 Data starting at sector 0 and the next 119 sectors is
                         questionable due to CRC errors.
               13:56:26 CRC mismatch: Calculated: 1be33940, Read: 361e1960
               13:56:32 Restore of drive D: to drive E: completed on Dec 11, 2001 13:56
               13:56:42 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                                                   Nο
                           Adjust partitions:
                           Backfill on restore:
                                                   No
```

Case DI-129 for	SafeBack 2.18
	SafeBack execution ended on Dec 11, 2001 13:56.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 1
	Diffs range: 0
	Source (1236942) has 96390 fewer sectors than destination (1333332)
	Zero fill: 0
	Src Byte fill (E3): 0
	Dst Byte fill (E2): 96390
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-130 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Fri Dec 14 08:10:18 2001
PC:	JudgeDee
Disks:	Source: DOS Drive 81 Physical Label EC
	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7
	EC is a SEAGATE ST39204LC with 17921835 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
Source disk	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Linux EXT2 & Fat32
setup:	Disk: EC
secup.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Dec 13 13:29:12 2001
	Batter 1114 Bet 13 13-25-12 2001
	cmd: Z:\ss\DISKWIPE.EXE EC JudgeDee 80 EC /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE EC JudgeDee 80 /before /new_log
	Disk hash = 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Destination	Z:\ss\DISKWIPE.EXE DI-130 JudgeDee 81 E2 /noask /dst /new_log /comment
Setup:	JRL
	X:\PM\PQMAGIC /cmd=X:\PM\D32X-SS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001333332 0000/001/01 0082/254/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-130 JudgeDee 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-130 JudgeDee 82 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-130 JudgeDee 81 EC 82 E2 /new_log /comment JRL /select 1 1
	Z:\ss\DISKHASH.EXE DI-130 JudgeDee 81 /comment JRL(EC) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-130
log illes	COSC ALCHIVE, BD, BD 2.10/D1 130
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17921835 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type

```
Case DI-130 for SafeBack 2.18
                1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 0B Fat32
                 2 X 001429785 015872220 0089/000/01 1023/254/63
                                                                    OF extended
                3 S 000000063 000208782 0089/001/01 0101/254/63
                                                                     83 Linux
                 4 x 000208845 000144585 0102/000/01 0110/254/63
                                                                     05 extended
                5 S 000000063 000144522 0102/001/01 0110/254/63
                                                                     0B Fat32
                 6 x 000771120 000192780 0137/000/01 0148/254/63
                                                                     05 extended
                7 S 000000063 000192717 0137/001/01 0148/254/63
                                                                     16 other
                8 S 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                9 P 017302005 000064260 1023/000/01 1023/254/63
                                                                     83 Linux
               10 P 017494785 000417690 1023/000/01 1023/254/63
                                                                     82 Linux swap
               Destination disk Drive 0x82, BIOS: Extensions Present
               Interrupt 13 bios 1022/254/63 (max cyl/hd values)
               Interrupt 13 ext 01023/255/63 (number of cyl/hd)
               17938985 total number of sectors reported via interrupt 13 from the BIOS
                                       Start C/H/S End C/H/S boot Partition type
                N Start LBA Length
                1 P 000000063 001333332 0000/001/01 0082/254/63
                                                                     OB Fat32
                2 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-130/SB_130B.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 08:35.
                08:35:15 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
               08:36:09 Backup file F:\IMG.001 created.
                         Backup file comment record:
                           DI-130
               08:36:15 Backing up drive D:
                         to F:\IMG.001 on Dec 14, 2001 08:36
               08:36:16 Local SafeBack is running on DOS 7.10
                          Source drive D:
                           Capacity.....604 MB
                           Cylinders.....76
                           Heads.....255
               08:38:04 Backup file CRC: 4b1656d4.
               08:38:04 Backup of drive D: completed on Dec 14, 2001 08:38.
                         SafeBack execution ended on Dec 14, 2001 08:38.
               Safeback log: DI-130/SB_130R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 08:38.
               08:39:00 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBTOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                  No
               08:39:14 Backup file created on Dec 14, 2001 08:36
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-130
               08:39:16 Backup file F:\IMG.001 opened for access.
               08:39:29 Partition/Boot information saved to A:\PT.SPS.
               08:39:30 Restore of drive D: from F:\IMG.001
                         to drive E: started on Dec 14, 2001 08:39
               08:39:30 Partition fixup has been disabled.
                         Local SafeBack is running on DOS 7.10
               08:39:30
                         Source drive D:
                           Capacity.....604 MB
                           Cylinders.....76
                           Heads.....255
                         Destination drive E:
                           Capacity......651 MB
                           Cylinders.....82
                           Heads.....255
               08:41:16 The whole-file CRC verifies: 4b1656d4
               08:41:19 Restore of drive D: to drive E: completed on Dec 14, 2001 08:41
               08:41:28 Menu selections:
```

Case DI-130 for	SafeBack 2.18
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 14, 2001 08:41.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 1
	Diffs range: 1
	Source (1236942) has 96390 fewer sectors than destination (1333332)
	Zero fill: 0
	Src Byte fill (EC): 0
	Dst Byte fill (E2): 96390
	Other fill: 0
	Other no fill: 0
	Hash after test: 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	FAT32 anomaly, Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-137 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
odbo banandi 1	to an XBIOS-SCSI destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
	Introduce a read error from the source.
Tester Name:	JRL
Test Date:	Sat Jun 22 08:54:09 2002
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label E3
	Destination: DOS Drive 81 Physical Label E8
	Image media: DOS Drive 80 Physical Label 65
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E8 is a SEAGATE ST318404LC with 35843670 sectors
	65 is a WDCWD64AA with 12594960 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI137 Cadfael 81 E8 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 30 1 4 2 10 >> A:\err-137.txt
	Z:\ss\baddisk 80 30 1 4 10 10 >> A:\err-137.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00081
	at address 00030/00001/00004
	return code 00010 on command 00010 from disk 00081
	at address 00030/00001/00004
Execute:	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI137 Cadfael 80 E3 81 E8 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI137 Cadfael 80 /comment E3(JRL) /new_log /after

	r SafeBack 2.18
Log files loc:	test-archive/sb/sb-2.18/DI137
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
1119111191100	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63 05 extended
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63 05 extended
	5 S 000000063 000144522 0153/001/01 0161/254/63 06 Fat16
	6 x 004450005 000192780 0417/000/01 0428/254/63 05 extended
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 009430155 006152895 0587/000/01 0969/254/63 83 Linux
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	35843670 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-137/SB_137B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 09:33.
	09:33:40 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	09:33:57 Backup file C:\IMG.001 created.
	Backup file comment record:
	DI-137
	09:34:03 Backing up drive D:
	to C:\IMG.001 on Jun 22, 2002 09:34
	09:34:04 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	09:35:06 While reading drive D: a bad address mark error (status 02)
	occurred:
	at relative sector 481953 (Cylinder 30, Head 0, Sector 4)
	-
	09:36:42 Backup of drive D: completed on Jun 22, 2002 09:36.
	SafeBack execution ended on Jun 22, 2002 09:36.
	Safeback log: DI-137/SB_137R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 09:46.
	09:46:26 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	09:46:41 Backup file created on Jun 22, 2002 09:34
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-137
	09:46:45 Backup file C:\IMG.001 opened for access.
	09:46:56 Partition/Boot information saved to A:\PT.SPS.
	09:46:57 Restore of drive D: from C:\IMG.001
	to drive D: started on Jun 22, 2002 09:46
	09:46:57 Local SafeBack is running on DOS 7.10

Case DI-137 for	SafeBack 2.18
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	09:47:42 The image for D: shows that a bad address mark error (status
	02) occurred
	during backup at relative sector 481953 (Cylinder 30, Head 0,
	Sector 4)
	09:48:50 The whole-file CRC verifies: 9cf5032d
	09:49:58 Restore of drive D: to drive D: completed on Jun 22, 2002 09:49
	09:50:07 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 22, 2002 09:50.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 1
	Diffs range: 481953
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a write error to the destination.
Tester Name:	JRL
Test Date:	Sun Jun 16 16:55:48 2002
PC:	Wimsey
Disks:	Source: DOS Drive 80 Physical Label E4
	Destination: DOS Drive 81 Physical Label E8
	Image media: DOS Drive 80 Physical Label CB
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E8 is a SEAGATE ST318404LC with 35843670 sectors
	CB is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
-	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-138 Wimsey 81 E8 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 81 23 23 23 3 10 >> A:\err-138.txt
-	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00081

Case DI-138 for	SafeBack 2.18
	at address 00023/00023
Execute:	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-138 Wimsey 80 E4 81 E8 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-138 Wimsey 80 /comment E4(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-138
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 006152832 0000/001/01 0382/254/63 Boot 0B Fat32
	2 X 008193150 009735390 0510/000/01 1023/254/63
	3 S 000000000 000000000 0000/000/00 0000/000/00 00
	4 x 002056320 001237005 0638/000/01 0714/254/63 05 extended
	5 S 000000063 001236942 0638/001/01 0714/254/63 07 NTFS
	6 x 005349645 001638630 0843/000/01 0944/254/63 05 extended
	7 S 000000063 001638567 0843/001/01 0944/254/63 17 other
	8 x 008498385 001237005 1023/000/01 1023/254/63
	9 S 000000063 001236942 1023/001/01 1023/254/63 1B other
	10 S 000000000 000000000 0000/000/00 0000/000/00 00
	11 P 000000000 000000000 0000/000/00 0000/000/00 00
	12 P 000000000 000000000 0000/000/00 0000/000/00 00
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	35843670 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 006152832 0000/001/01 0382/254/63
	2 P 000000000 000000000 0000/000/00 000 empty entry
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-138/SB_138B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 17:24. 17:25:03 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	17:25:21 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-138
	17:25:30 Backing up drive C:
	to D:\IMG.001 on Jun 16, 2002 17:25
	17:25:32 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity3004 MB
	Cylinders382
	Heads255
	17:28:16 Backup file D:\IMG.002 created.
	17:29:31 Backup file CRC: b4ff226a. 17:29:31 Backup of drive C: completed on Jun 16, 2002 17:29.
	SafeBack execution ended on Jun 16, 2002 17:33.
	Safeback log: DI-138/SB_138R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 16, 2002 17:42.
	17:42:35 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	17:42:44 Backup file created on Jun 16, 2002 17:25
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-138
	17:42:46 Backup file C:\IMG.001 opened for access.

Case DI-138 for	SafeBack 2.18
	17:43:07 Partition/Boot information saved to A:\PT.SPS.
	17:43:07 Restore of drive C: from C:\IMG.001
	to drive D: started on Jun 16, 2002 17:43
	17:43:07 Local SafeBack is running on DOS 7.10
	Source drive C:
	Capacity3004 MB
	Cylinders382
	Heads255
	Destination drive D:
	Capacity3004 MB
	Cylinders382
	Heads255
	17:43:32 While writing drive D:, a bad address mark error (status 02)
	occurred
	at relative sector 370903 (Cylinder 23, Head 22, Sector 23)
	17:48:04 Backup file C:\IMG.002 opened for access.
	17:50:21 The whole-file CRC verifies: b4ff226a
	17:51:33 Restore of drive C: to drive D: completed on Jun 16, 2002 17:51
	17:52:02 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 16, 2002 17:52.
	= = = Measurement Logs = = = =
	Sectors Compared 6152832
	Sectors Differ 21
	Diffs range: 1, 370903-370922
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

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Case DI-139 for	
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Introduce a read error reading from the image.
Tester Name:	JRL
Test Date:	Sat Jun 22 09:28:54 2002
PC:	Wimsey
Disks:	Source: DOS Drive 80 Physical Label E4
	Destination: DOS Drive 81 Physical Label E2
	Image media: DOS Drive 80 Physical Label 64
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	64 is a WDCWD64AA with 12594960 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000 source disk
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-139 Wimsey 81 E2 /noask /dst /new_log /comment JRL

Case DI-139 for	r SafeBack 2.18
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 5 7 1 2 10 >> A:\err-139.txt
	Z:\ss\baddisk 80 5 7 1 10 10 >> A:\err-139.txt
	Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00002 from disk 00080
	at address 00005/00007/00001 return code 00010 on command 00010 from disk 00080
	at address 00005/00007/00001
Execute:	z:\sb\master (backup to image)
Incouce.	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-139 Wimsey 80 E4 81 E2 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-139 Wimsey 80 /comment E4(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-139
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 006152832 0000/001/01 0382/254/63 Boot 0B Fat32
	2 X 008193150 009735390 0510/000/01 1023/254/63
	2 X 008193150 009735390 0510/000/01 1023/254/63
	4 x 002056320 001237005 0638/000/01 0714/254/63 05 extended
	5 S 000000063 001236942 0638/001/01 0714/254/63 07 NTFS
	6 x 005349645 001638630 0843/000/01 0944/254/63 05 extended
	7 S 000000063 001638567 0843/001/01 0944/254/63 17 other
	8 x 008498385 001237005 1023/000/01 1023/254/63
	9 S 000000063 001236942 1023/001/01 1023/254/63 1B other
	10 S 000000000 000000000 0000/000/00 0000/000/00 00
	11 P 000000000 000000000 0000/000/00 0000/000/00 00
	12 P 000000000 000000000 0000/000/00 0000/000/00 00
	Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 006152832 0000/001/01 0382/254/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 00000000 0000/000/00 0000/000/00 00
	Safeback log: DI-139/SB_139B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 10:07.
	10:07:44 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	10:08:01 Backup file C:\IMG.001 created.
	Backup file comment record:
	DI-139
	10:08:14 Backing up drive D:
	to C:\IMG.001 on Jun 22, 2002 10:08
	10:08:15 Local SafeBack is running on DOS 7.10 Source drive D:
	Capacity3004 MB
	Cylinders382
	Heads255
	10:19:20 Backup file C:\IMG.002 created.
	10:19:20 Backup file C:\mmg.002 Created: 10:24:53 Backup file CRC: 23b4b171.
	10:24:53 Backup of drive D: completed on Jun 22, 2002 10:24.
	SafeBack execution ended on Jun 22, 2002 10:24.
	Safeback log: DI-139/SB_139R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 22, 2002 10:28.
	10:28:14 Menu selections:
	Function: Restore
	Direct access: No
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Case DI-139 for	SafeBack 2.18
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	10:28:24 Backup file created on Jun 22, 2002 10:08
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-139
	10:28:27 Backup file C:\IMG.001 opened for access.
	10:28:47 Partition/Boot information saved to A:\PT.SPS.
	10:28:47 Partition/Boot information saved to A: \F1.SFS.
	to drive D: started on Jun 22, 2002 10:28
	10:28:47 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity3004 MB
	Cylinders382
	Heads255
	Destination drive D:
	Capacity3004 MB
	Cylinders382
	Heads255
	10:29:44 While reading C:\IMG.001 at 28217801, an access denied error
	occurred on the backup file. A
	data block consisting of zeroes was used in place of the data
	to
	be read. As a result, another error message will follow this
	one.
	10:29:44 IMG.001, record 68068 has a CRC error. 0e70 was expected, but
	7ddf read.
	10:30:04 Backup file CRC error ignored by recovery at sector 68068.
	10:30:40 Data starting at sector 68068 and the next 119 sectors is
	questionable due to CRC errors.
	10:37:18 Backup file C:\IMG.002 opened for access.
	10:40:22 CRC mismatch: Calculated: 23d8afa0, Read: 23b4b171
	10:49:24 Restore of drive D: to drive D: completed on Jun 22, 2002 10:49
	10:49:31 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 22, 2002 10:49.
	= = = Measurement Logs = = = =
	Sectors Compared 6152832
	Sectors Differ 120
	Diffs range: 1, 68068-68186
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	error message logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved
INICITY DID.	Impediced results not deniced

Case DI-140 for	Case DI-140 for SafeBack 2.18	
Case Summary:	Create an image from an XBIOS-SCSI source disk to an XBIOS-SCSI destination disk and the source contains a FAT16 partition where the source disk is the same size as the destination Introduce a write error writing to the image.	
Tester Name:	JRL	
Test Date:	Sun Jun 23 10:40:50 2002	
PC:	Cadfael	
Disks:	Source: DOS Drive 80 Physical Label E3 Destination: DOS Drive 81 Physical Label E8 Image media: DOS Drive 80 Physical Label 65 E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors E8 is a SEAGATE ST318404LC with 35843670 sectors 65 is a WDCWD64AA with 12594960 sectors Jaz disk with partition magic and scripts	

Case DI-140 for	r SafeBack 2.18
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before
	Distribution. Bill 15_Site Rumpore 00 / Derore
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-140 Cadfael 81 E8 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt
Barrer Gatarra	See CMPPTLOG.TXT for partition table
Error Setup:	Z:\ss\baddisk 80 13 13 13 3 10 >> A:\err-140.txt Version 3.2 Created 06/05/02 at 13:50:39
	baddisk compiled on 06/05/02 at 12:19:31
	return code 00010 on command 00003 from disk 00080
	at address 00013/00013/00013
Execute:	z:\sb\master (backup to image)
	<pre>z:\sb\master (restore from image) Z:\ss\PARTCMP.EXE DI-140 Cadfael 80 E3 81 E8 /new_log /comment JRL</pre>
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-140 Cadfael 80 /comment E3(JRL) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-140
loc:	
Log File	Source disk Drive 0x80, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values) Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63 05 extended
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63
	6 x 004450005 000192780 0417/000/01 0428/254/63 05 extended
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 009430155 006152895 0587/000/01 0969/254/63 83 Linux
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap Destination disk Drive 0x81, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	35843670 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-140/SB_140B.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 23, 2002 11:15. 11:15:12 Menu selections:
	II:15:12 Menu selections: Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	11:15:34 Backup file C:\IMG.001 created. Backup file comment record:
	DI-140
	11:15:39 Backing up drive D:
	to C:\IMG.001 on Jun 23, 2002 11:15
	11:15:40 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB

Case DI-140 for	r SafeBack 2.18
	Cylinders76
	Heads255
	11:16:08 An unrecoverable file error was reported while writing backup
	file IMG.001. The session is terminated.
	11:16:34 Backup terminated by user or error on Jun 23, 2002 11:16.
	11:16:49 The backup file is imcomplete and has not been deleted.
	SafeBack execution ended on Jun 23, 2002 11:16.
	Safeback log: DI-140/SB_140R.TXT
	SafeBack 2.18 13Feb01 execution started on Jun 23, 2002 11:24.
	11:24:57 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	11:25:06 Backup file created on Jun 23, 2002 11:15
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-140
	11:25:08 Backup file C:\IMG.001 opened for access.
	11:25:27 Partition/Boot information saved to A:\PT.SPS.
	11:25:28 Restore of drive D: from C:\IMG.001
	to drive D: started on Jun 23, 2002 11:25
	11:25:28 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive D:
	Capacity604 MB Cylinders76
	Heads255
	11:25:48 An unexpected end-of-file occurred while reading IMG.001 for the
	record for sector 212891. 11:26:17 Restore operation terminated by error or user.
	11:26:21 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: Auto
	Backfill on restore: Yes
	SafeBack execution ended on Jun 23, 2002 11:26.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 1024051
	Diffs range: 212891-1236941
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	error message logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-141 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition where the source disk is the same size as the destination Introduce an error on the image.
Tester Name:	JRL
Test Date:	Mon Dec 17 13:48:20 2001
PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label EC Destination: DOS Drive 82 Physical Label E2 Image media: DOS Drive 80 Physical Label A7 EC is a SEAGATE ST39204LC with 17921835 sectors E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors

Case DI-141 for	r SafeBack 2.18
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
Source disk	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Linux EXT2 & Fat32
setup:	Disk: EC
secup.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Dec 13 13:29:12 2001
	cmd: Z:\ss\DISKWIPE.EXE EC JudgeDee 80 EC /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\f32-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE EC JudgeDee 80 /before /new_log
	Disk hash = 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Destination	Z:\ss\DISKWIPE.EXE DI-141 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.txt
_	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-141 Host C:\IMG.001 3869 AE /comment None
Execute:	Change byte 3869 of file C:\IMG.001 from 0x00 to 0xFFAE Z:\ss\PARTAB.EXE DI-141 Wimsey 81 /all /new log /comment JRL(E2)
Excedee	Z:\ss\PARTAB.EXE DI-141 Wimsey 82 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-141 Wimsey 81 EC 82 E2 /new_log /comment JRL /select 1 1
	Z:\ss\DISKHASH.EXE DI-141 Wimsey 81 /comment JRL(EC) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-141
loc:	
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values) Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17921835 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 0B Fat32
	2 X 001429785 015872220 0089/000/01 1023/254/63
	3 S 000000063 000208782 0089/001/01 0101/254/63 83 Linux
	4 x 000208845 000144585 0102/000/01 0110/254/63
	6 x 000771120 000192780 0137/000/01 0148/254/63 05 extended
	7 S 000000063 000192717 0137/001/01 0148/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 017302005 000064260 1023/000/01 1023/254/63 83 Linux
	10 P 017494785 000417690 1023/000/01 1023/254/63 82 Linux swap Destination disk Drive 0x82, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	3 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 000000000 0000/000/00 0000/000/00 00
	Safeback log: DI-141/SB_141B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 14:13.
	14:13:07 Menu selections: Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:13:35 Backup file C:\IMG.001 created. Backup file comment record:
	DI-141
	14:13:42 Backing up drive D:
	to C:\IMG.001 on Dec 17, 2001 14:13

Case DI-141 for	SafeBack 2.18
	14:13:43 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	14:15:25 Backup file CRC: 4634c6f8.
	14:15:25 Backup of drive D: completed on Dec 17, 2001 14:15.
	SafeBack execution ended on Dec 17, 2001 14:15.
	SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 14:16.
	SafeBack execution ended on Dec 17, 2001 14:16.
	Safeback log: DI-141/SB_141R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 14:17.
	14:17:30 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	14:17:43 Backup file created on Dec 17, 2001 14:13
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-141
	14:17:47 Backup file C:\IMG.001 opened for access.
	14:18:00 Partition/Boot information saved to A:\PT.SPS.
	14:18:01 Restore of drive D: from C:\IMG.001
	to drive E: started on Dec 17, 2001 14:18
	14:18:01 Partition fixup has been disabled.
	14:18:01 Local SafeBack is running on DOS 7.10
	Source drive D:
	Capacity604 MB
	Cylinders76 Heads255
	Destination drive E:
	Capacity604 MB Cylinders76
	Heads255
	14:18:01 IMG.001, record 0 has a CRC error. 9850 was expected, but 5726
	read.
	14:18:10 Backup file CRC error ignored by recovery at sector 0.
	14:18:12 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	14:19:59 CRC mismatch: Calculated: b391cfbb, Read: 4634c6f8
	14:20:03 Restore of drive D: to drive E: completed on Dec 17, 2001 14:20
l l	14:20:12 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 17, 2001 14:20.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 2
	Diffs range: 1, 7
	Hash after test: 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Expected	Source disk is unchanged
	image verification error
	FAT32 anomaly
Results:	•
	The same of the sa
Analysis:	Expected results not achieved

Case DI-142 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Mon Dec 10 08:34:19 2001

Case DI-142 for	r SafeBack 2.18
PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before
	DIDITING ED_ONG RUMPOTE OF / DELOTE
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-142 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 06 Fat16
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-142 Wimsey 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-142 Wimsey 82 /all /new_log /comment JRL(E2)
	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\ss\PARTCMP.EXE DI-142 Wimsey 81 E3 82 E2 /new_log /comment JRL /select
	1 1
	Z:\ss\DISKHASH.EXE DI-142 Wimsey 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-142
loc:	
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd) 17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63 05 extended
	5 S 000000063 000144522 0153/001/01 0161/254/63
	6 x 004450005 000192780 0417/000/01 0428/254/63
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other 8 S 000000000 000000000 0000/000/00 0000/000/00 00
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x82, BIOS: Extensions Present
	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type 1 P 000000063 001236942 0000/001/01 0076/254/63 06 Fat16
	1 P 000000063 001236942 0000/001/01 0076/254/63
	3 P 000000000 00000000 0000/000/00 0000/000/00 00
	4 P 000000000 00000000 0000/000/00 0000/000/00 00
	Safeback log: DI-142/SB_142B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 09:00.
	09:00:28 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No 09:01:19 Backup file F:\IMG.001 created.
<u> </u>	05.01.15 Dackup IIIe F.\Ing. 001 Cleated.

Case DI-142 for	r SafeBack 2.18
	Backup file comment record:
	DI-142
	09:01:31 Backing up drive D:
	to F:\IMG.001 on Dec 10, 2001 09:01
	09:01:33 Local SafeBack is running on DOS 7.10 Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	09:03:20 Backup file CRC: d88c8e2f.
	09:03:20 Backup of drive D: completed on Dec 10, 2001 09:03.
	SafeBack execution ended on Dec 10, 2001 09:03.
	Safeback log: DI-142/SB_142R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 09:04.
	09:04:32 Menu selections:
	Function: Restore
	Direct access: No Use XBIOS: Yes
	Use XBIOS: Yes Adjust partitions: No
	Backfill on restore: No
	09:04:48 Backup file created on Dec 10, 2001 09:01
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-142
	09:04:51 Backup file F:\IMG.001 opened for access.
	09:05:03 Partition/Boot information saved to A:\PT.SPS.
	09:05:04 Restore of drive D: from F:\IMG.001
	to drive E: started on Dec 10, 2001 09:05
	09:05:04 Partition fixup has been disabled.
	09:05:04 Local SafeBack is running on DOS 7.10 Source drive D:
	Capacity604 MB
	Cylinders76
	Heads255
	Destination drive E:
	Capacity604 MB
	Cylinders76
	Heads255
	09:06:50 The whole-file CRC verifies: d88c8e2f
	09:06:50 Restore of drive D: to drive E: completed on Dec 10, 2001 09:06
	09:06:58 Menu selections:
	Function: Restore
	Direct access: No Use XBIOS: Yes
	Adjust partitions: No Backfill on restore: No
	SafeBack execution ended on Dec 10, 2001 09:07.
	= = = Measurement Logs = = = =
	Sectors Compared 1236942
	Sectors Differ 0
	Diffs range:
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	Thurse abod we will be a white and
Analysis:	Expected results achieved

Case DI-145 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is the same size as the destination
	Create the image on a removable medium.
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Tue Jun 25 08:14:50 2002
PC:	JudgeDee

Case DI-145 for	r SafeBack 2.18	
Disks:	Source: DOS Drive 80 Physical Label	
	Destination: DOS Drive 81 Physical Image media: DOS Drive 80 Physical	
	1E is a QUANTUM ATLAS10K3_18_SCA wi	
	E2 is a QUANTUM ATLAS10K2-TY092J wi	
	Jaz disk with partition magic and s FS-TST Release 1.0 CD-ROM + baddisk	-
Source disk	Linux EXT2 & Fat32	7012101 312
setup:	Disk: 1E	
	Host: Cadfael Operator: JRL	
	OS: Windows/Me	
	Options: Typical	
	Date: Mon Jun 24 15:28:50 2002	
	cmd: Z:\ss\DISKWIPE.EXE 1E Cadfael	80 1E /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.tx	
	Load Operating System to Source discord: Z:\ss\DISKHASH.EXE 1E Cadfael	
	Cind 2 (55 (516)(IASH 11 Cadract	ov /belole / new_log
	Disk hash = 4D6392101F5906A09F49A8	
Destination Setup:	Z:\ss\DISKWIPE.EXE DI-145 JudgeDee JRL	81 E2 /noask /dst /new_log /comment
Бесар -	X:\PM\PQMAGIC /cmd=X:\PM\D32X-ES.tz	k t
	See CMPPTLOG.TXT for partition tab	
Error Setup:	cmd: z:\ss\CORRUPT.EXE DI-145 Cadfa Change byte 732984 of file X:\img.0	ael X:\img.001 732984 AE /comment JRL
Execute:	z:\sb\master (backup to image)	OI IIOM OXOZ CO OXFFAE
	z:\sb\master (restore from image)	
	Z:\ss\PARTCMP.EXE DI-145 Cadfael 80) 1E 81 E2 /new_log /comment JRL
	/select 1 1 Z:\ss\DISKHASH.EXE DI-145 Cadfael 8	30 /comment 1E(JRL) /new log /after
Log files	test-archive/sb/sb-2.18/DI-145	, , , , , , , , , , , , , , , , , , , ,
loc:		
Log File Highlights:	Source disk Drive 0x80, BIOS: Extending Interrupt 13 bios 1022/254/63 (mag)	
1119111191100	Interrupt 13 ext 01023/255/63 (nu	-
		eported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/ 1 P 000000063 001236942 0000/001/0	S End C/H/S boot Partition type
	2 X 001429785 033865020 0089/000/0	
	3 S 000000063 000208782 0089/001/0	
	4 x 000208845 000144585 0102/000/0 5 S 000000063 000144522 0102/001/0	01 0110/254/63
	6 x 000771120 000192780 0137/000/0	01 0148/254/63
	7 S 000000063 000192717 0137/001/0	01 0148/254/63 16 other
	8 S 000000000 000000000 0000/000/0 9 P 035294805 000064260 1023/000/0	
	10 P 035487585 000417690 1023/000/0	
	Destination disk Drive 0x81, BIOS:	
	Interrupt 13 bios 1022/254/63 (ma Interrupt 13 ext 01023/255/63 (nu	
	-	eported via interrupt 13 from the BIOS
		S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/0 2 P 000000000 000000000 0000/000/0	
	3 P 000000000 000000000 0000/000/0	
	4 P 000000000 000000000 0000/000/0	
	Safeback log: DI-145/SB_145B.TXT	
	SafeBack 2.18 13Feb01 exe	ecution started on Jun 25, 2002 14:22.
	Function:	Backup
	Direct access:	No
	Use XBIOS: Adjust partitions:	Auto Auto
	Backfill on restore:	Yes
	14:22:09 Menu selections:	D 1
	Function:	Backup
	Direct access:	No

Case DI-145 for	r SafeBack	2.18
		Use XBIOS: Auto
		Adjust partitions: Auto
		Backfill on restore: Yes
	14:22:30	Backup file X:\IMG.001 created.
		Backup file comment record:
		DI-145
	14:22:38	Backing up drive C:
		to X:\IMG.001 on Jun 25, 2002 14:22
	14:22:38	Local SafeBack is running on DOS 7.10
		Source drive C:
		Capacity604 MB
		Cylinders76
		Heads255
		Backup file CRC: 68796db1.
	14:32:15	Backup of drive C: completed on Jun 25, 2002 14:32.
	0-6-11-	SafeBack execution ended on Jun 25, 2002 14:37.
	Saleback	log: DI-145/SB_145R.TXT
	12.22.07	SafeBack 2.18 13Feb01 execution started on Jun 27, 2002 12:32. Menu selections:
	12.32.07	Function: Restore
		Direct access: No
		Use XBIOS: Auto
		Adjust partitions: Auto
		Backfill on restore: Yes
	12:32:17	Backup file volume 1 requested.
		Backup file created on Jun 25, 2002 14:22
		by Gary Fisher Natl Institute of Standards & Technology
	Software	Diagnostics & Con
		Backup file comment record:
		DI-145
	12:32:26	Backup file X:\IMG.001 opened for access.
		Partition/Boot information saved to A:\PT.SPS.
	12:32:41	Restore of drive C: from X:\IMG.001
		to drive C: started on Jun 27, 2002 12:32
	12:32:41	Local SafeBack is running on DOS 7.10
		Source drive C:
		Capacity604 MB
		Cylinders76
		Heads255 Destination drive C:
		Capacity604 MB
		Cylinders76
		Heads255
	12:32:42	IMG.001, record 1428 has a CRC error. c5b1 was expected, but
	f0db read	
		Backup file CRC error ignored by recovery at sector 1428.
		Data starting at sector 1428 and the next 119 sectors is
		questionable due to CRC errors.
	12:37:08	CRC mismatch: Calculated: ecaaf057, Read: 68796db1
		Restore of drive C: to drive C: completed on Jun 27, 2002 12:50
	12:51:07	Menu selections:
		Function: Restore
		Direct access: No
		Use XBIOS: Auto
		Adjust partitions: Auto
		Backfill on restore: Yes
	,	SafeBack execution ended on Jun 27, 2002 12:51.
		Measurement Logs = = = =
	Sectors I	Compared 1236942
		nge: 1, 1450
		er test: 4D6392101F5906A09F49A8E9A576F6C4744C63FC
Expected		lsk is unchanged
Results:		rification error
Actual	FAT32 and	
Results:	111152 3110	·····
Analysis:	Expected	results not achieved
2	1 22230	

Case DI-146 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
_	to an XBIOS-SCSI destination disk
	and the source contains a FAT16 partition
	where the source disk is the same size as the destination
	Create the image on a removable medium.
Tester Name:	JRL Man Dog 10 10:40:41 2001
Test Date: PC:	Mon Dec 10 10:48:41 2001
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label Jaz
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-146 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-ES.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 06 Fat16
Error Setup: Execute:	none Z:\ss\PARTAB.EXE DI-146 Wimsey 81 /all /new_log /comment JRL(E2)
Execute.	Z:\ss\PARTAB.EXE DI-146 Wimsey 81 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-146 Wimsey 81 E3 82 E2 /new_log /comment JRL /select
	1 1 Z:\ss\DISKHASH.EXE DI-146 Morse 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-146
loc:	
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63
	5 S 000000063 000144522 0153/001/01 0161/254/63 06 Fat16 6 x 004450005 000192780 0417/000/01 0428/254/63 05 extended
	7 S 000000063 000192717 0417/000/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	9 P 009430155 006152895 0587/000/01 0969/254/63 83 Linux
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap
	Destination disk Drive 0x82, BIOS: Extensions Present Interrupt 13 bios 1022/254/63 (max cyl/hd values)
	Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63
	2 P 000000000 000000000 0000/000/00 0000/000/00 00
	4 P 000000000 00000000 0000/000/00 0000/000/00 00
	Safeback log: DI-146/SB_146B.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 11:00.
	11:00:54 Menu selections:

```
Case DI-146 for SafeBack 2.18
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   Nο
                11:01:33 Backup file X:\IMG.001 created.
                         Backup file comment record:
                           DI-146
                11:01:40 Backing up drive D:
                          to X:\IMG.001 on D
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 10:30.
                10:30:27 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                    Auto
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
                10:31:29 Backup file X:\IMG.001 created.
                         Backup file comment record:
                           DI-146
                10:31:35 Backing up drive D:
                         to X:\IMG.001 on Dec 10, 2001 10:31
                10:31:37 Local SafeBack is running on DOS 7.10
                          Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                10:41:20 Backup file CRC: a350e79a.
                10:41:20 Backup of drive D: completed on Dec 10, 2001 10:41.
                         SafeBack execution ended on Dec 10, 2001 10:41.
                Safeback log: DI-146/SB_146R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 10:42.
                10:43:06 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
                10:43:26 Backup file volume 1 requested.
                10:43:30 Backup file created on Dec 10, 2001 10:31
                         by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DI-146
                10:43:35 Backup file X:\IMG.001 opened for access.
                10:43:55 Partition/Boot information saved to A:\PT.SPS.
                10:43:56 Restore of drive D: from X:\IMG.001
                         to drive E: started on Dec 10, 2001 10:43
                10:43:56 Partition fixup has been disabled.
                10:43:56 Local SafeBack is running on DOS 7.10
                         Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                         Destination drive E:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                10:48:22 The whole-file CRC verifies: a350e79a
                10:49:16 Restore of drive D: to drive E: completed on Dec 10, 2001 10:49
                10:49:27 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   Nο
                            Backfill on restore:
                                                   No
                         SafeBack execution ended on Dec 10, 2001 10:49.
                = = = = Measurement Logs = = = =
                Sectors Compared 1236942
                Sectors Differ 0
```

Case DI-146 for SafeBack 2.18		
	Diffs range:	
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0	
Expected	Source disk is unchanged	
Results:	src compares equal to dst	
Actual	No anomalies	
Results:		
Analysis:	Expected results achieved	

Case DI-147 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-SCSI destination disk
	and the source contains a FAT32 partition
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Fri Dec 14 11:12:19 2001
PC:	JudgeDee
Disks:	Source: DOS Drive 81 Physical Label EC Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7
	EC is a SEAGATE ST39204LC with 17921835 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: EC
	Host: JudgeDee Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Dec 13 13:29:12 2001
	cmd: Z:\ss\DISKWIPE.EXE EC JudgeDee 80 EC /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\f32-src.txt</pre>
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE EC JudgeDee 80 /before /new_log
	Disk hash = 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Destination	Z:\ss\DISKWIPE.EXE DI-147 JudgeDee 81 E2 /noask /dst /new_log /comment
Setup:	JRL
_	X:\PM\PQMAGIC /cmd=X:\PM\D32X-BS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001140552 0000/001/01 0070/254/63
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-147 JudgeDee 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-147 JudgeDee 82 /all /new_log /comment JRL(E2)
	<pre>z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\ss\PARTCMP.EXE DI-147 JudgeDee 81 EC 82 E2 /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-147 JudgeDee 81 /comment JRL(EC) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-147
loc:	
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values) Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17921835 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 0B Fat32
	2 X 001429785 015872220 0089/000/01 1023/254/63
	3 S 000000063 000208782 0089/001/01 0101/254/63 83 Linux
	4 x 000208845 000144585 0102/000/01 0110/254/63 05 extended
	5 S 000000063 000144522 0102/001/01 0110/254/63
	6 x 000771120 000192780 0137/000/01 0148/254/63 05 extended
	7 S 000000063 000192717 0137/001/01 0148/254/63 16 other
	8 S 000000000 00000000 0000/000/00 0000/000/00 00
	9 P 017302005 000064260 1023/000/01 1023/254/63 83 Linux 10 P 017494785 000417690 1023/000/01 1023/254/63 82 Linux swap
	10 t 01.13/1/02 000411/020 1073/1000/01 1073/224/02 07 PTHITY RMSb

```
Case DI-147 for SafeBack 2.18
               Destination disk Drive 0x82, BIOS: Extensions Present
               Interrupt 13 bios 1022/254/63 (max cyl/hd values)
               Interrupt 13 ext 01023/255/63 (number of cyl/hd)
               17938985 total number of sectors reported via interrupt 13 from the BIOS
                N Start LBA Length
                                       Start C/H/S End C/H/S boot Partition type
                1 P 000000063 001140552 0000/001/01 0070/254/63
                                                                     0B Fat32
                2 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-147/SB_147B.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 11:25.
               11:25:28 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               11:26:02 Backup file F:\IMG.001 created.
                         Backup file comment record:
                           DI-147
               11:26:09 Backing up drive D:
                         to F:\IMG.001 on Dec 14, 2001 11:26
               11:26:10 Local SafeBack is running on DOS 7.10
                         Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
               11:27:58 Backup file CRC: 91cc2ab0.
               11:27:58 Backup of drive D: completed on Dec 14, 2001 11:27.
                         SafeBack execution ended on Dec 14, 2001 11:28.
               Safeback log: DI-147/SB_147R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 11:28.
               11:28:50 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               11:29:04 Backup file created on Dec 14, 2001 11:26
                         by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DI-147
               11:29:06 Backup file F:\IMG.001 opened for access.
               11:29:23 The destination drive capacity is smaller than that of the
                         original source drive.
               11:29:31 Partition/Boot information saved to A:\PT.SPS.
               11:29:32 Restore of drive D: from F:\IMG.001
                         to drive E: started on Dec 14, 2001 11:29
               11:29:32 Partition fixup has been disabled.
               11:29:32 Local SafeBack is running on DOS 7.10
                         Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                         Destination drive E:
                           Capacity.....557 MB
                           Cylinders.....70
                           Heads.....255
               11:31:10 Restore of drive D: to drive E: completed on Dec 14, 2001 11:31
               11:32:47 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Nο
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
                         SafeBack execution ended on Dec 14, 2001 11:32.
                = = = = Measurement Logs = = = =
               Sectors Compared 1140552
               Sectors Differ 1
```

Case DI-147 for	SafeBack 2.18
	Diffs range: 1
	Source (1236942) has 96390 more sectors than destination (1140552)
	Hash after test: 2EB2013AAAA6079C0360E4B87E6F44CDC2072564
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	FAT32 anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-148 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
2	to an XBIOS-SCSI destination disk
	and the source contains a FAT16 partition
	where the source disk is larger than the destination
	Create the image on a removable medium.
Tester Name:	JRL
Test Date:	Mon Dec 10 14:02:51 2001
PC:	Cadfael
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 82 Physical Label EB
	Image media: DOS Drive 80 Physical Label Jaz
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	EB is a SEAGATE ST39204LC with 17921835 sectors Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DIGWHIDE BYE E2 ODG Down als 00 E2 / mar /mar land
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	2201112011211
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-148 Cadfael 81 EB /noask /dst /new_log /comment JRL
Setup:	X:\PM\PQMAGIC /cmd=X:\PM\D16X-BS.txt
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
7 0 .	1 P 000000063 001128897 0000/001/01 0279/063/63 06 Fat16
Error Setup:	none Z:\ss\PARTAB.EXE DI-148 Cadfael 81 /all /new_log /comment JRL(EB)
Execute:	Z:\ss\PARTAB.EXE DI-148 Cadfael 82 /all /new_log /comment JRL(EB)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\PARTCMP.EXE DI-148 Cadfael 81 E3 82 EB /new_log /comment JRL
	/select 1 1
	Z:\ss\DISKHASH.EXE DI-148 Rumpole 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-148
loc:	
Log File	Source disk Drive 0x81, BIOS: Extensions Present
Highlights:	Interrupt 13 bios 1022/254/63 (max cyl/hd values) Interrupt 13 ext 01023/255/63 (number of cyl/hd)
	17938985 total number of sectors reported via interrupt 13 from the BIOS
	N Start LBA Length Start C/H/S End C/H/S boot Partition type
	1 P 000000063 001236942 0000/001/01 0076/254/63 Boot 06 Fat16
	2 X 002249100 007181055 0140/000/01 0586/254/63
	3 S 000000063 000208782 0140/001/01 0152/254/63 83 Linux
	4 x 000208845 000144585 0153/000/01 0161/254/63 05 extended
	5 S 000000063 000144522 0153/001/01 0161/254/63 06 Fat16
	6 x 004450005 000192780 0417/000/01 0428/254/63
	7 S 000000063 000192717 0417/001/01 0428/254/63 16 other
	8 S 000000000 000000000 0000/000/00 0000/000/00 00
	10 P 017510850 000417690 1023/000/01 1023/254/63 82 Linux swap
	1 to 1 01/310030 00041/070 1023/000/01 1023/234/03 02 HIHUX SWAP

```
Case DI-148 for SafeBack 2.18
               Destination disk Drive 0x82, BIOS: Extensions Present
               Interrupt 13 bios 1022/063/63 (max cyl/hd values)
               Interrupt 13 ext 01023/064/63 (number of cyl/hd)
               17921835 total number of sectors reported via interrupt 13 from the BIOS
                N Start LBA Length
                                        Start C/H/S End C/H/S boot Partition type
                1 P 000000063 001128897 0000/001/01 0279/063/63
                                                                     06 Fat16
                2 P 00000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                3 P 00000000 00000000 0000/000/00 0000/000/00
                                                                     00 empty entry
                4 P 000000000 000000000 0000/000/00 0000/000/00
                                                                     00 empty entry
               Safeback log: DI-148/SB_148B.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 14:15.
               14:15:22 Menu selections:
                           Function:
                                                   Backup
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Auto
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
               14:16:14 Backup file X:\IMG.001 created.
                         Backup file comment record:
                           DI-148
               14:16:20 Backing up drive D:
                         to X:\IMG.001 on Dec 10, 2001 14:16
               14:16:22 Local SafeBack is running on DOS 7.10
                          Source drive D:
                           Capacity.....604 MB
                           Cylinders.....76
                           Heads.....255
               14:26:11 Backup file CRC: 8e7da8f3.
               14:26:12 Backup of drive D: completed on Dec 10, 2001 14:26.
                         SafeBack execution ended on Dec 10, 2001 14:28.
               Safeback log: DI-148/SB_148R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 14:29.
               14:30:14 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   Nο
                           Backfill on restore:
                                                   No
               14:30:23 Backup file volume 1 requested.
               14:30:27 Backup file created on Dec 10, 2001 14:16
                          by Gary Fisher Natl Institute of Standards & Technology
               Software Diagnostics & Con
                         Backup file comment record:
                           DT-148
               14:30:30 Backup file X:\IMG.001 opened for access.
               14:30:47 The destination drive capacity is smaller than that of the
                         original source drive.
               14:30:55 Partition/Boot information saved to A:\PT.SPS.
               14:30:56 Restore of drive D: from X:\IMG.001
                         to drive E: started on Dec 10, 2001 14:30
               14:30:56 Partition fixup has been disabled.
               14:30:56
                         Local SafeBack is running on DOS 7.10
                         Source drive D:
                           Capacity......604 MB
                           Cylinders.....76
                           Heads.....255
                         Destination drive E:
                           Capacity.....551 MB
                           Cylinders.....279
                           Heads.....64
               14:35:07 Restore of drive D: to drive E: completed on Dec 10, 2001 14:35
               14:36:21 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   No
                           Use XBIOS:
                                                   Yes
                           Adjust partitions:
                                                   No
                           Backfill on restore:
                                                   No
                         SafeBack execution ended on Dec 10, 2001 14:36.
               = = = = Measurement Logs = = = =
               Sectors Compared 1128897
```

Case DI-148 for	SafeBack 2.18
	Sectors Differ 0
	Diffs range:
	Source (1236942) has 108045 more sectors than destination (1128897)
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

	r SafeBack 2.18	
Case Summary:	Create an image from a direct access IDE source disk	
-	to a direct access IDE destination disk	
	where the source disk is smaller than the destination	
	Introduce an error on the image.	
Tester Name:	JRL	
Test Date:	Tue Dec 11 10:37:49 2001	
PC:	Rumpole	
Disks:	Source: DOS Drive 80 Physical Label B8	
	Destination: DOS Drive 81 Physical Label BB	
	Image media: DOS Drive 82 Physical Label E1	
	B8 is a WDC AC21600H with 3173184 sectors	
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors	
	E1 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	
Source disk	Linux EXT2 & DOS Fat16	
setup:	Disk: B8	
Decup.	Host: JudgeDee	
	Operator: JRL	
	OS: Windows/Me	
	Options: Typical	
	Date: Thu Oct 18 13:47:31 2001	
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log	
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt	
	Load Operating System to Source disk	
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log	
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2	
Destination	Z:\ss\DISKWIPE.EXE DI-149 Rumpole 81 BB /noask /dst /new_log /comment JRL	
Setup:	2. (35)DIDAWITH. BAB DI TIS Rumpore Of BB / House / dee / New_log / commente ord	
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-149 Host D:\IMG.001 6747 AE /comment None	
-	Change byte 6747 of file D:\IMG.001 from 0xFFB8 to 0xFFAE	
Execute:	7.\\ DADEAD DVD DT 140 D	
	Z:\ss\PARTAB.EXE DI-149 Rumpole 80 /all /new_log /comment JRL(BB)	
	Z:\ss\PARTAB.EXE DI-149 Rumpole 80 /all /new_log /comment JRL(BB) Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB)	
	<pre>Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>	
	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL	
	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after	
Log files	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL	
loc:	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc:	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	
loc: Log File	Z:\ss\PARTAB.EXE DI-149 Rumpole 81 /all /new_log /comment JRL(BB) z:\sb\master (backup to image) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-149 Rumpole 80 B8 81 BB /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-149 Rumpole 80 /comment JRL(B8) /new_log /after test-archive/sb/sb-2.18/DI-149 Safeback log: DI-149/SB_149B.TXT	

```
Case DI-149 for SafeBack 2.18
                         Source drive 0:
                            Capacity.....1549 MB
                            Cylinders.....3148
                            Heads.....16
                            Model: WDC AC21600H
                            Serial Number: WD-WM3363932134
                            Firmware version: 24.09P07
                           IDE controller port with LBA direct drive access used.
                11:14:54 Partition table for drive 0:
                11:23:47 Backup file CRC: 2de48036.
                11:23:47 Backup of drive 0: completed on Dec 11, 2001 11:23.
                         SafeBack execution ended on Dec 11, 2001 12:22.
                Safeback log: DI-149/SB_149R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 11, 2001 12:25.
                         The tape drive was not used.
                12:26:15 Menu selections:
                           Function:
                                                    Restore
                            Direct access:
                                                   Yes
                            Use XBIOS:
                                                   Auto
                            Adjust partitions:
                                                   No
                            Backfill on restore:
                                                   Nο
                12:26:25 Backup file created on Dec 11, 2001 11:14
                         by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DT-149
                12:26:28 Backup file D:\IMG.001 opened for access.
                12:26:50 Restore of drive 0: from D:\IMG.001
                         to drive 1: started on Dec 11, 2001 12:26
                12:26:50 Partition fixup has been disabled.
                12:26:50 Local SafeBack is running on DOS 7.10
                         Source drive 0:
                            Capacity.....1549 MB
                            Cylinders.....3148
                           Heads.....16
                            IDE/ESDI controller port direct drive access used.
                         Destination drive 1:
                            Capacity.....3079 MB
                            Cylinders.....6256
                           Heads.....16
                           Model: QUANTUM FIREBALL ST3.2A
                           Serial Number: 853770808172
                            Firmware version: A0F.0800
                           IDE controller port with LBA direct drive access used.
                12:26:50 IMG.001, record 0 has a CRC error. Obcl was expected, but 47bc
                read.
                12:26:55 Backup file CRC error ignored by recovery at sector 0.
                12:26:57 Data starting at sector 0 and the next 119 sectors is
                         questionable due to CRC errors.
                12:35:33 CRC mismatch: Calculated: 37014d2e, Read: 2de48036
                12:46:55 Restore of drive 0: to drive 1: completed on Dec 11, 2001 12:46
                12:47:05 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                           Adjust partitions:
                                                   Nο
                            Backfill on restore:
                                                   No
                         SafeBack execution ended on Dec 11, 2001 12:47.
                = = = = Measurement Logs = = = =
                Sectors Compared 3173184
                Sectors Differ 1
                Diffs range 12
                Source (3173184) has 3132864 fewer sectors than destination (6306048)
                Zero fill:
                                    3132864
                Src Byte fill (B8):
                                          0
                Dst Byte fill (BB):
                                          0
                Other fill:
                                          0
                Other no fill:
                                          Ω
                Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
               Source disk is unchanged
Expected
```

Case DI-149 for SafeBack 2.18	
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-150 for	SafeBack 2.18
Case Summary:	Create an image from a direct access IDE source disk
case summary.	to a direct access IDE destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Mon Dec 10 14:01:09 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label BB
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
	Host: JudgeDee
	Operator: JRL OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	<pre>X:\pm\pqmagic /cmd=X:\pm\nex-src.txt</pre>
	Load Operating System to Source disk
	<pre>cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log</pre>
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-150 Rumpole 81 BB /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-150 Rumpole 80 /all /new_log /comment JRL(BB) Z:\ss\PARTAB.EXE DI-150 Rumpole 81 /all /new_log /comment JRL(BB)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-150 Rumpole 80 B8 81 BB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-150 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-150
loc:	
Log File	Safeback log: DI-150/SB_150B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 14:26.
	The tape drive was not used.
	14:26:11 Menu selections:
	Function: Backup
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	14:26:51 Backup file D:\IMG.001 created.
	Backup file comment record:
	DI-150
	14:26:56 Backing up drive 0:
	to D:\IMG.001 on Dec 10, 2001 14:26
	14:26:57 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3363932134
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.

```
Case DI-150 for SafeBack 2.18
                14:26:57 Partition table for drive 0:
                14:35:54 Backup file CRC: 479afba8.
                14:35:54 Backup of drive 0: completed on Dec 10, 2001 14:35.
                         SafeBack execution ended on Dec 10, 2001 14:37.
                Safeback log: DI-150/SB_150R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 14:23.
                         The tape drive was not used.
                14:23:28 Menu selections:
                            Function:
                            Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                    Nο
                            Backfill on restore:
                                                   No
                14:23:44 Backup file created on Dec 10, 2001 14:13
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DT-150
                14:23:46 Backup file D:\IMG.001 opened for access.
                         Can't Restore a logical drive (C:) to a physical drive (1:)
                14:24:06
                14:24:34 Restore operation terminated by error or user.
                14:24:36 Menu selections:
                           Function:
                                                    Restore
                            Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                           Adjust partitions:
                                                    No
                            Backfill on restore:
                                                   Nο
                         SafeBack execution ended on Dec 10, 2001 14:24.
                         SafeBack 2.18 13Feb01 execution started on Dec 10, 2001 14:39.
                         The tape drive was not used.
                14:39:29 Menu selections:
                           Function:
                                                   Restore
                           Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                   Nο
                            Backfill on restore:
                                                   No
                14:39:43 Backup file created on Dec 10, 2001 14:26
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DT-150
                14:39:46 Backup file D:\IMG.001 opened for access.
                14:40:16 Restore of drive 0: from D:\IMG.001
                          to drive 1: started on Dec 10, 2001 14:40
                14:40:16 Partition fixup has been disabled.
                14:40:16 Local SafeBack is running on DOS 7.10
                          Source drive 0:
                            Capacity......1549 MB
                            Cylinders.....3148
                            Heads.....16
                           IDE/ESDI controller port direct drive access used.
                          Destination drive 1:
                           Capacity.....3079 MB
                            Cylinders.....6256
                            Heads.....16
                           Model: QUANTUM FIREBALL ST3.2A
                            Serial Number: 853770808172
                            Firmware version: A0F.0800
                            IDE controller port with LBA direct drive access used.
                14:48:53 The whole-file CRC verifies: 479afba8
                14:55:01 Restore of drive 0: to drive 1: completed on Dec 10, 2001 14:55
                14:55:11 Menu selections:
                           Function:
                                                    Restore
                           Direct access:
                                                   Yes
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                    No
                            Backfill on restore:
                                                   No
                         SafeBack execution ended on Dec 10, 2001 14:55.
                = = = = Measurement Logs = = = =
                Sectors Compared 3173184
```

Case DI-150 for	SafeBack 2.18
	Sectors Differ 0
	Diffs range
	Source (3173184) has 3132864 fewer sectors than destination (6306048)
	Zero fill: 3132864
	Src Byte fill (B8): 0
	Dst Byte fill (BB): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Cage DT-151 for	SafeBack 2.18
Case Summary:	Create an image from a direct access IDE source disk
case sammary	to a direct access IDE destination disk
	where the source disk is the same size as the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Fri Dec 14 13:13:45 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
DISKS.	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors
	CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
secup.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	Date: IIIU Oct 10 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
	CHIG. 2.\SS\DISKHASH.EAE BO_SIC CAUTAET 00 /DETOTE /Hew_109
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-151 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	2. (88 /DISKWIFE. EAR DI 131 Kumpole of B7 /Hoask /dst /Hew_log / Comment of B7
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-151 Host D:\IMG.001 3579 AE /comment None
Ellor Secup.	Change byte 3579 of file D:\IMG.001 from 0xFFB8 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-151 Rumpole 80 /all /new log /comment JRL(B7)
Execute.	Z:\ss\PARTAB.EXE DI-151 Rumpole 80 /all /new_log /comment JRL(B7) Z:\ss\PARTAB.EXE DI-151 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-151 Rumpole 80 B8 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-151 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-151
log:	test-alchive/sb/sb-2.10/b1-131
Log File	Safeback log: DI-151/SB 151B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 13:22.
1119111191165.	The tape drive was not used.
	13:22:54 Menu selections:
	Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	13:23:34 Backup file E:\IMG.001 created.
	Backup file comment record:

Case DI-151 for	SafeBack 2.18
	DI-151
	13:23:40 Backing up drive 0:
	to E:\IMG.001 on Dec 14, 2001 13:23
	13:23:43 Local SafeBack is running on DOS 7.10
	Source drive 0: Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3363932134
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	13:23:43 Partition table for drive 0:
	13:32:41 Backup file CRC: 24d2ac4f.
	13:32:41 Backup of drive 0: completed on Dec 14, 2001 13:32.
	SafeBack execution ended on Dec 14, 2001 14:40.
	Safeback log: DI-151/SB_151R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 15:38.
	The tape drive was not used.
	15:38:55 Menu selections: Restore
	Direct access: Yes
	Use XBIOS: Yes Auto
	Adjust partitions: No
	Backfill on restore: No
	15:39:07 Backup file created on Dec 14, 2001 13:23
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-151
	15:39:12 Backup file D:\IMG.001 opened for access.
	15:39:41 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Dec 14, 2001 15:39
	15:39:41 Partition fixup has been disabled.
	15:39:41 Local SafeBack is running on DOS 7.10 Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	IDE/ESDI controller port direct drive access used.
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3362453003
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	15:39:41 IMG.001, record 0 has a CRC error. 4020 was expected, but 47bc read.
	15:39:48 Backup file CRC error ignored by recovery at sector 0.
	15:39:51 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	15:49:18 CRC mismatch: Calculated: e9ad5545, Read: 24d2ac4f
	15:49:22 Restore of drive 0: to drive 1: completed on Dec 14, 2001 15:49
	15:49:29 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 14, 2001 15:49.
	= = = Measurement Logs = = = = Scatters Compared 2172194
	Sectors Compared 3173184 Sectors Differ 1
	Diffs range 6
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	image verification error
Actual	No anomalies

Case DI-151 for	SafeBack 2.18
Results:	
Analysis:	Expected results achieved

Case DI-152 fo	r SafeBack 2.18
Case Summary:	Create an image from a direct access IDE source disk
	to a direct access IDE destination disk
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Tue Dec 04 09:50:34 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 81 Physical Label B7
	Image media: DOS Drive 82 Physical Label CC
	B8 is a WDC AC21600H with 3173184 sectors
	B7 is a WDC AC21600H with 3173184 sectors CC is a SEAGATE ST336705LC with 71687370 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16
setup:	Disk: B8
υς εαρ.	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8_src Cadfael 80 /before /new_log
5	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-152 Rumpole 81 B7 /noask /dst /new_log /comment JRL
Setup:	mana
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-152 Rumpole 80 /all /new_log /comment JRL(B7) Z:\ss\PARTAB.EXE DI-152 Rumpole 81 /all /new_log /comment JRL(B7)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-152 Rumpole 80 B8 81 B7 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-152 Rumpole 80 /comment JRL(B8) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-152
loc:	
Log File	Safeback log: DI-152/SB_152B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 10:03.
	The tape drive was not used.
	10:03:16 Menu selections:
	Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	10:03:56 Backup file D:\IMG.001 created. Backup file comment record:
	DI-152
	10:04:05 Backing up drive 0:
	to D:\IMG.001 on Dec 4, 2001 10:04
	10:04:07 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3363932134
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	10:04:07 Partition table for drive 0:
	10:04:07 Partition table for drive 0: 10:13:04 Backup file CRC: 5c9fb4c1. 10:13:04 Backup of drive 0: completed on Dec 4, 2001 10:13.

Case DI-152 for	r SafeBack 2.18
	SafeBack execution ended on Dec 4, 2001 10:15.
	Safeback log: DI-152/SB_152R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 10:16.
	The tape drive was not used.
	10:17:08 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	10:17:18 Backup file created on Dec 4, 2001 10:04
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-152
	10:17:20 Backup file D:\IMG.001 opened for access.
	10:17:38 Restore of drive 0: from D:\IMG.001
	to drive 1: started on Dec 4, 2001 10:17
	10:17:38 Partition fixup has been disabled.
	10:17:38 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
	Heads16
	IDE/ESDI controller port direct drive access used.
	Destination drive 1:
	Capacity1549 MB
	Cylinders3148
	Heads16
	Model: WDC AC21600H
	Serial Number: WD-WM3362453003
	Firmware version: 24.09P07
	IDE controller port with LBA direct drive access used.
	10:27:02 The whole-file CRC verifies: 5c9fb4c1
	10:27:02 Restore of drive 0: to drive 1: completed on Dec 4, 2001 10:27 10:27:13 Menu selections:
	Function: Restore
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No Backfill on restore: No
	SafeBack execution ended on Dec 4, 2001 10:27.
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-153 for	SafeBack 2.18
Case Summary:	Create an image from a direct access IDE source disk to a direct access IDE destination disk where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Thu Dec 13 14:37:09 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label F6 Destination: DOS Drive 81 Physical Label A5 Image media: DOS Drive 82 Physical Label AB F6 is an IBM-DTLA-307020 with 40188960 sectors A5 is a WDC WD200BB-00AUA1 with 39102336 sectors AB is a Maxtor53073H4 with 60030432 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32

Case DI-153 for	r SafeBack 2.18
setup:	Disk: F6
	Host: Wimsey
	Operator: JRL
	OS: Windows 2000
	Date: Sat Jul 21 15:53:12 2001
	DISKWIPE.EXE F6_SRC Wimsey 80 F6 /src /new_log /noask /comment Windows
	2000/NT source X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE LX-27 Morse 80 /before
	Disk hash = 8034683D5D55BA51409AC7B5CB0845CA2CF6B235
Destination	Z:\ss\DISKWIPE.EXE DI-153 Cadfael 81 A5 /noask /dst /new_log /comment JRL
Setup: Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-153 Cadfael 80 /all /new_log /comment JRL(A5)
Execute.	Z:\ss\PARTAB.EXE DI 153 Cadfael 81 /all /new_log /comment JRL(A5)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-153 Cadfael 80 F6 81 A5 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-153 Cadfael 80 /comment JRL(F6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-153
Log File	Safeback log: DI-153/SB_153B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 07:42.
3 3	07:42:42 Menu selections:
	Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	07:49:52 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	07:50:09 Menu selections:
	Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	07:51:06 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	07:51:20 Menu selections: Function: Backup
	_
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	07:51:42 Backup file E:\IMG.001 created.
	Backup file comment record: DI-153
	07:51:51 Backing up drive 1:
	to E:\IMG.001 on Dec 14, 2001 07:51 07:51:51 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity19624 MB
	Cylinders39870
	Heads16
	Model: IBM-DTLA-307020
	Serial Number: YHDYHLD2691
	Firmware version: TX3GA50C
	IDE controller port with LBA direct drive access used.

```
Case DI-153 for SafeBack 2.18
                07:51:51 Partition table for drive 1:
                08:04:52 Backup file E:\IMG.002 created. 08:17:54 Backup file E:\IMG.003 created.
                08:30:59 Backup file E:\IMG.004 created.
                08:44:03 Backup file E:\IMG.005 created.
                08:57:10 Backup file E:\IMG.006 created.
                09:10:19 Backup file E:\IMG.007 created.
                09:23:29 Backup file E:\IMG.008 created.
                09:36:41 Backup file E:\IMG.009 created.
                09:49:54 Backup file E:\IMG.010 created.
                09:57:52 Backup file CRC: ecf21094.
                09:57:53 Backup of drive 1: completed on Dec 14, 2001 09:57.
                           SafeBack execution ended on Dec 14, 2001 10:04.
                Safeback log: DI-153/SB 153R.TXT
                           SafeBack 2.18 13Feb01 execution started on Dec 14, 2001 10:14.
                10:14:53 Menu selections:
                             Function:
                                                       Restore
                             Direct access:
                                                      No
                             Use XBIOS:
                                                      Yes
                             Adjust partitions:
                                                       No
                             Backfill on restore:
                                                      No
                10:15:23 Backup file created on Dec 14, 2001 07:51
                           by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                           Backup file comment record:
                             DT-153
                10:15:28 Backup file D:\IMG.001 opened for access.
                10:15:47 The destination drive capacity is smaller than that of the
                           original source drive.
                10:15:58 Restore of drive 1: from D:\IMG.001
                           to drive 1: started on Dec 14, 2001 10:15
                10:15:58 Partition fixup has been disabled.
                10:15:58 Local SafeBack is running on DOS 7.10
                           Source drive 1:
                             Capacity......19624 MB
                             Cylinders.....39870
                             Heads.....16
                             IDE/ESDI controller port direct drive access used.
                           Destination drive 1:
                             Capacity.....19093 MB
                             Cylinders.....2434
                             Heads.....255
                10:24:50 Backup file D:\IMG.002 opened for access.
                10:33:40 Backup file D:\IMG.003 opened for access. 10:42:29 Backup file D:\IMG.004 opened for access.
                10:51:19 Backup file D:\IMG.005 opened for access.
                11:00:11 Backup file D:\IMG.006 opened for access.
                11:09:01 Backup file D:\IMG.007 opened for access. 11:17:50 Backup file D:\IMG.008 opened for access.
                11:26:40 Backup file D:\IMG.009 opened for access.
                11:35:29 Backup file D:\IMG.010 opened for access.
                11:38:31
                          Restore of drive 1: to drive 1: completed on Dec 14, 2001 11:38
                11:39:28 Menu selections:
                             Function:
                                                       Restore
                             Direct access:
                                                       Nο
                             Use XBIOS:
                                                      Yes
                             Adjust partitions:
                                                       No
                             Backfill on restore:
                                                      No
                           SafeBack execution ended on Dec 14, 2001 11:39.
                = = = = Measurement Logs = = = =
                Sectors Compared 39102336
                Sectors Differ 0
                Diffs range
                Source (40188960) has 1086624 more sectors than destination (39102336)
                Hash after test: 8034683D5D55BA51409AC7B5CB0845CA2CF6B235
Expected
                Source disk is unchanged
Results:
                src compares qualified equal to dst, src is truncated on dst
                 truncation is logged
Actual
                No anomalies
Results:
```

Case DI-153 for	SafeBack 2.18
Analysis:	Expected results achieved

Case DI-154 for	SafeBack 2.18
Case Summary:	Create an image from an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is smaller than the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Mon Dec 03 09:57:19 2001
PC:	Cadfael
Disks:	Source: DOS Drive 81 Physical Label E4 Destination: DOS Drive 82 Physical Label E6
	Image media: DOS Drive 80 Physical Label A8
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E6 is a SEAGATE ST318404LC with 35843670 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	<pre>X:\pm\pqmagic /cmd=X:\pm\nt-src.txt</pre>
	Load Operating System to Source disk cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	CMG. X.\SS\DISKHASH.EXE HASH WIMSEY 80 /COMMENC E4 /NEW_10g /Defore
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-154 Cadfael 81 E6 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-154 Host E:\IMG.001 6821 AE /comment None
	Change byte 6821 of file E:\IMG.001 from 0xFFE4 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-154 Cadfael 81 /all /new_log /comment JRL(E6) Z:\ss\PARTAB.EXE DI-154 Cadfael 82 /all /new_log /comment JRL(E6)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-154 Cadfael 81 E4 82 E6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-154 Cadfael 81 /comment JRL(E4) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-154
loc:	Orfobrah lawa DT 154/OD 154D mym
Log File Highlights:	Safeback log: DI-154/SB_154B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 10:11.
Highlights.	SaleBack 2.18 13Feb01 execution started on Dec 3, 2001 10:11. 10:11:38 Menu selections:
	Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	10:12:21 Backup file E:\IMG.001 created. Backup file comment record:
	DI-154
	10:12:30 Backing up drive 1:
	to E:\IMG.001 on Dec 3, 2001 10:12
	10:12:31 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders17338
	Heads3 Model: OUANTUM ATLAS10K2-TY092J
	Model: QUANTUM ATLASIUKZ-TYU92U Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	10:12:31 Partition table for drive 1:
	10:12:31 Partition table for drive 1: 10:18:41 Backup file E:\IMG.002 created.

```
Case DI-154 for SafeBack 2.18
                10:31:11 Backup file E:\IMG.004 created.
                10:37:24 Backup file E:\IMG.005 created. 10:39:07 Backup file CRC: bcbf2826.
                10:39:07 Backup of drive 1: completed on Dec 3, 2001 10:39.
                           SafeBack execution ended on Dec 3, 2001 10:40.
                Safeback log: DI-154/SB_154R.TXT
                          SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 10:46.
                10:46:36 Menu selections:
                             Function:
                                                      Restore
                             Direct access:
                                                      Yes
                             Use XBIOS:
                                                      Auto
                             Adjust partitions:
                                                      No
                             Backfill on restore:
                                                     No
                10:46:51 Backup file created on Dec 3, 2001 10:12
                           by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                          Backup file comment record:
                            DI-154
                10:46:54 Backup file E:\IMG.001 opened for access.
                10:47:20 Restore of drive 1: from E:\IMG.001
                           to drive 2: started on Dec 3, 2001 10:47
                10:47:20 Partition fixup has been disabled.
                10:47:20 Local SafeBack is running on DOS 7.10
                           Source drive 1:
                             Capacity......8759 MB
                             Cylinders.....17338
                             Heads.....3
                             SCSI ASPI driver direct drive access used.
                           Destination drive 2:
                             Capacity......17502 MB
                             Cylinders.....14384
                             Heads.....6
                             Model: SEAGATE ST318404LC
                             Serial Number: 3BT1ZWXT
                             Firmware version: 0006
                             SCSI ASPI driver direct drive access used.
                10:47:20 IMG.001, record 0 has a CRC error. 122f was expected, but e753
                read.
                10:47:25 Backup file CRC error ignored by recovery at sector 0.
                10:47:28 Data starting at sector 0 and the next 119 sectors is
                           questionable due to CRC errors.
                10:54:01 \bar{\text{Backup}} file E:\IMG.002 opened for access.
                11:00:39 Backup file E:\IMG.003 opened for access.
                11:07:27 Backup file E:\IMG.004 opened for access. 11:14:14 Backup file E:\IMG.005 opened for access.
                11:16:01 CRC mismatch: Calculated: 7ad426b7, Read: bcbf2826
                11:28:21 Restore of drive 1: to drive 2: completed on Dec 3, 2001 11:28
                11:33:25 Menu selections:
                             Function:
                                                      Restore
                             Direct access:
                                                      Yes
                             Use XBIOS:
                                                      Auto
                             Adjust partitions:
                                                      No
                             Backfill on restore:
                                                     No
                           SafeBack execution ended on Dec 3, 2001 11:33.
                 = = = = Measurement Logs = = = =
                Sectors Compared 17938985
                Sectors Differ 1
                Diffs range 12
                Source (17938985) has 17904685 fewer sectors than destination (35843670)
                Zero fill:
                                   17904685
                Src Byte fill (E4):
                                            0
                Dst Byte fill (E6):
                                            0
                Other fill:
                                            0
                Other no fill:
                Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected
                Source disk is unchanged
Results:
                image verification error
                Backfill anomaly
Actual
Results:
Analysis:
                Expected results not achieved
```

Case Summary:	r SafeBack 2.18
case summary.	Create an image from an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is smaller than the destination
Tester Name: Test Date:	JRL The Nov. 15 17:54:25 2001
PC:	Thu Nov 15 17:54:25 2001 Cadfael
Disks:	Cadraer Source: DOS Drive 81 Physical Label E3
DIBKS.	Destination: DOS Drive 82 Physical Label E6
	Image media: DOS Drive 80 Physical Label A8
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E6 is a SEAGATE ST318404LC with 35843670 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
-	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
Destination	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Z:\ss\DISKWIPE.EXE DI-155 Cadfael 81 E6 /noask /dst /new_log /comment JRL
Setup:	2.\SS\DISKWIPE.EAE DI-155 Cadiael 81 E0 /NOASK /dst /New_log /Comment ORL
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-155 Cadfael 81 /all /new_log /comment JRL(E6)
	Z:\ss\PARTAB.EXE DI-155 Cadfael 82 /all /new_log /comment JRL(E6)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-155 Cadfael 81 E3 82 E6 /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-155 cadfaele 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-155
loc:	
100	
Log File	Safeback log: DI-155/SB_155B.TXT
	Safeback log: DI-155/SB_155B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:25.
Log File	Safeback log: DI-155/SB_155B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:25. 18:25:52 Menu selections:
Log File	Safeback log: DI-155/SB_155B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:25. 18:25:52 Menu selections: Function: Backup
Log File	Safeback log: DI-155/SB_155B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:25. 18:25:52 Menu selections:
Log File	Safeback log: DI-155/SB_155B.TXT SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:25. 18:25:52 Menu selections: Function: Backup Direct access: Yes
Log File	Safeback log: DI-155/SB_155B.TXT

Safeback log: DI-155/SB.155R.TXT SafeBack 2.18 1378001 execution started on Nov 15, 2001 18:53.	Case DI-155 for	SafeBack 2.18
18:53:43 Menu selections:		Safeback log: DI-155/SB_155R.TXT
Function: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No Backfill on Restore DI-155 Biss4:07 Backfill file E:NMS.001 opened for access. Biss4:24 Restore of drive 1: from E:NMS.001 to drive 2: started on Nov 15, 2001 18:54 Biss4:24 Partition fixup has been disabled. Local SafeBack is running on DOS 7.10 Source drive 1: Capacity		SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:53.
Direct access: Yes Use XBIOS: Adjust partitions: No Backfill on restore: No Backfill on restore: No Backfill on restore: No Backgrill or Software Diagnostics & Con Backgrill & Con Backgril		
Use XBIOS:		
Adjust partitions: No Backill on restore: No Backup file created on Nov 15, 2001 18:26		
Backfill on restore: No		
18:54:04 Backup file created on Nov 15, 2001 18:26 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Com Backup file comment record: D1-155 18:54:07 Backup file E:\IMG.001 opened for access. 18:54:24 Restore of drive 1: from E:\IMG.001 to drive 2: started on Nov 15, 2001 18:54 18:54:24 Fartition fixup has been disabled. 18:54:24 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB Cylinders17338 Heads		
by Gary Fisher Natl Institute of Standards & Technology		
Software Diagnostics & Com Backup file comment record: DI-155 18:54:07 Backup file comment record: DI-155 18:54:07 Backup file E:\IMG.001 opened for access. 18:54:24 Restore of drive 1: from E:\IMG.001 to drive 2: started on Nov 15, 2001 18:54 18:54:24 Farttition fixup has been disabled. 18:54:24 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity		
Backup file comment record: DI-155		
18:54:24 Backup file E:\IMG.001 opened for access.		Backup file comment record:
18:54:24 Restore of drive 1: from E:\IMG.001 18:54		
to drive 2: started on Nov 15, 2001 18:54 18:54:24 Partition fixup has been disabled. 18:54:24 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB Cylinders17338 Heads		
18:54:24 Partition fixup has been disabled. 18:54:24 Local SafeBack is running on DOS 7.10 Source drive 1:		· ·
Source drive 1:		
Capacity8759 MB Cylinders17318		18:54:24 Local SafeBack is running on DOS 7.10
Cylinders17338		_
Heads		Capacity8759 MB
SCSI ASPI driver direct drive access used. Destination drive 2: Capacity17502 MB Cylinders14384 Heads6 Model: SEAGATE ST318404LC Serial Number: 3BTIZWXT Firmware version: 0006 SCSI ASPI driver direct drive access used. 19:00:39 Backup file E:\Imm(.002 opened for access. 19:06:56 Backup file E:\Imm(.002 opened for access. 19:13:16 Backup file E:\Imm(.005 opened for access. 19:13:16 Backup file E:\Imm(.005 opened for access. 19:19:42 Backup file E:\Imm(.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: Ty904685 Sectors than destination (35843670) DSt Byte fill (E6): 0 Other fill: 0 O		Cylinders17338
Destination drive 2:		
Capacity17502 MB		
Cylinders14384 Heads		
Heads6 Model: SEAGATE ST318404LC Serial Number: 3BT12WXT Firmware version: 0006 SCSI ASPI driver direct drive access used. 19:00:39 Backup file E:\IMG.002 opened for access. 19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.004 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Other no fill: 0 Other no fill: 0 Source disk is unchanged Src compares qualified equal to dst Actual Backfill anomaly Results: Src compares qualified equal to dst Actual Backfill anomaly Results:		
Model: SEAGATE ST318404LC Serial Number: 3BT1ZWXT Firmware version: 0006 SCSI ASPI driver direct drive access used. 19:00:39 Backup file E:\IMG.002 opened for access. 19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.004 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Other fill: 0 Other no fill: 0 Other fill: 0 Other source of the		
Serial Number: 3BT1ZWXT Firmware version: 0006 SCSI ASPI driver direct drive access used. 19:00:39 Backup file E:\IMG.002 opened for access. 19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.004 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Other no fill: 0 Other no fill: 0 Other no fill: 0 Expected Source disk is unchanged Sectors Differ equal to dst Backfill anomaly Results: Sectors pares qualified equal to dst Backfill anomaly Sectors		
Firmware version: 0006 SCSI ASPI driver direct drive access used. 19:00:39 Backup file E:\IMG.002 opened for access. 19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.004 opened for access. 19:13:16 Backup file E:\IMG.005 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Function: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Backfill anomaly Results:		
SCSI ASPI driver direct drive access used.		
19:00:39 Backup file E:\IMG.002 opened for access. 19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.003 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 Backup file E:\IMG.005 opened for access. 19:221:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other no fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: Backfill anomaly		
19:06:56 Backup file E:\IMG.003 opened for access. 19:13:16 Backup file E:\IMG.004 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Other fill: 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Secutors Sackfill anomaly Results: Sackfill anomaly Sackfil		
19:13:16 Backup file E:\IMG.004 opened for access. 19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections:		
19:19:42 Backup file E:\IMG.005 opened for access. 19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections:		
19:21:33 The whole-file CRC verifies: 921cbf7e 19:26:55 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:26 19:27:29 Menu selections: Function: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Backfill anomaly Backfill anomaly		
19:26:55		
19:27:29 Menu selections: Function: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Surc compares qualified equal to dst Actual Results: Backfill anomaly		
Function: Restore Direct access: Yes Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other no fill: 0 Other no fill: 0 Hash after test: OF9DACDAC663D197C048782003D324108CEC7AB0 Expected Results: Backfill anomaly Results:		
Use XBIOS: Auto Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		
Adjust partitions: No Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Src compares qualified equal to dst Actual Results:		
Backfill on restore: No SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		Use XBIOS: Auto
SafeBack execution ended on Nov 15, 2001 19:27. = = = Measurement Logs = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		Adjust partitions: No
= = = Measurement Logs = = = = Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged src compares qualified equal to dst Actual Results: Backfill anomaly		
Sectors Compared 17938985 Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		
Sectors Differ 0 Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: src compares qualified equal to dst Actual Results: Backfill anomaly		
Diffs range Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		_
Source (17938985) has 17904685 fewer sectors than destination (35843670) Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Results: Source disk is unchanged Results: Backfill anomaly Results:		
Zero fill: 17904685 Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Results:		
Src Byte fill (E3): 0 Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Dst Byte fill (E6): 0 Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Other fill: 0 Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Other no fill: 0 Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0 Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Expected Source disk is unchanged Results: src compares qualified equal to dst Actual Backfill anomaly Results:		
Results: src compares qualified equal to dst Actual Backfill anomaly Results:	Expected	
Actual Backfill anomaly Results:	_	
Results:		
. , , , , , , , , , , , , , , , , , , ,		Expected results not achieved
		-

Case DI-156 for	- defended 2 10
Case DI-156 IOI	SaleBack 2.16
Case Summary:	Create an image from an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is the same size as the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Mon Dec 03 10:33:01 2001
PC:	Wimsey

	r SafeBack 2.18
Disks:	Source: DOS Drive 81 Physical Label E3
	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7 E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
~	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3 Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE E3_SRC Rumpole 80 /before
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-156 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup: Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-156 Host E:\IMG.001 5139 AE /comment None
Ellor pecup.	Change byte 5139 of file E:\IMG.001 from 0xFFE3 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-156 Wimsey 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-156 Wimsey 82 /all /new_log /comment JRL(E2)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-156 Wimsey 81 E3 82 E2 /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-156 Wimsey 81 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-156
loc:	
Log File	Safeback log: DI-156/SB_156B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 10:49.
	10:49:58 Menu selections: Function: Backup
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	10:50:25 Backup file E:\IMG.001 created. Backup file comment record:
	DI-156 ASPI
	10:50:40 Backing up drive 1:
	to E:\IMG.001 on Dec 3, 2001 10:50
	10:50:41 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	Firmware version: DDD6 SCSI ASPI driver direct drive access used.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1:
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1:
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99be1833.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99be1833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99be1833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16. SafeBack execution ended on Dec 3, 2001 11:17.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99be1833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16.
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99be1833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16. SafeBack execution ended on Dec 3, 2001 11:17. Safeback log: DI-156/SB_156R.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 11:20. 11:21:11 Menu selections:
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99bel833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16. SafeBack execution ended on Dec 3, 2001 11:17. Safeback log: DI-156/SB_156R.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 11:20. 11:21:11 Menu selections: Function: Restore
	Firmware version: DDD6 SCSI ASPI driver direct drive access used. 10:50:41 Partition table for drive 1: 10:56:52 Backup file E:\IMG.002 created. 11:03:06 Backup file E:\IMG.003 created. 11:09:17 Backup file E:\IMG.004 created. 11:15:15 Backup file E:\IMG.005 created. 11:16:59 Backup file E:\IMG.005 created. 11:16:59 Backup file CRC: 99bel833. 11:16:59 Backup of drive 1: completed on Dec 3, 2001 11:16. SafeBack execution ended on Dec 3, 2001 11:17. Safeback log: DI-156/SB_156R.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 11:20. 11:21:11 Menu selections:

Case DI-156 for	CafoRack 2 18
Case D1-130 101	Adjust partitions: No
	Backfill on restore: No
	11:21:24 Backup file created on Dec 3, 2001 10:50
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-156 ASPI
	11:21:28 Backup file E:\IMG.001 opened for access.
	11:23:07 Restore of drive 1: from E:\IMG.001
	to drive 2: started on Dec 3, 2001 11:23
	11:23:07 Partition fixup has been disabled.
	11:23:07 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders17338
	Heads3
	SCSI ASPI driver direct drive access used.
	Destination drive 2:
	Capacity8759 MB
	Cylinders17338
	Heads3
	Model: OUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	11:23:07 IMG.001, record 0 has a CRC error. 4321 was expected, but f4c3
	read.
	11:23:13 Backup file CRC error ignored by recovery at sector 0.
	11:23:16 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	11:30:00 Backup file E:\IMG.002 opened for access.
	11:36:49 Backup file E:\IMG.003 opened for access.
	11:43:38 Backup file E:\IMG.004 opened for access.
	11:49:53 Backup file E:\IMG.005 opened for access.
	11:51:41 CRC mismatch: Calculated: d93406b9, Read: 99be1833
	12:02:35 Restore of drive 1: to drive 2: completed on Dec 3, 2001 12:02
	12:02:42 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 3, 2001 12:02.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 1
	Diffs range 9
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
	Source disk is unchanged
Results:	image verification error
	No anomalies
	NO anomaties
Results:	
Analysis:	Expected results achieved

Case DI-157 for	SafeBack 2.18
Case Summary:	Create an image from an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is the same size as the destination
Tester Name:	JRL
Test Date:	Thu Nov 15 17:51:53 2001
PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label E4
	Destination: DOS Drive 82 Physical Label E2
	Image media: DOS Drive 80 Physical Label A7
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	E2 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2

Case DI-157 for	SafeBack 2.18
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000 source disk
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-157 Wimsey 81 E2 /noask /dst /new_log /comment JRL
Setup: Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-157 Wimsey 81 /all /new_log /comment JRL(E2)
	Z:\ss\PARTAB.EXE DI-157 Wimsey 82 /all /new_log /comment JRL(E2) z:\sb\master (backup to image)
	Z:\ss\DISKCMP.EXE DI-157 Wimsey 81 E4 82 E2 /new_log /comment JRL
T	Z:\ss\DISKHASH.EXE DI-157 Wimsey 81 /comment JRL(E4) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-157
Log File	Safeback log: DI-157/SB_157B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:18.
	18:18:38 Menu selections:
	Function: Backup
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	18:19:37 Backup file E:\IMG.001 created.
	Backup file comment record:
	DI-157
	18:19:44 Backing up drive 1: to E:\IMG.001 on Nov 15, 2001 18:19
	18:19:45 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814 Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	18:19:45 Partition table for drive 1:
	18:25:54 Backup file E:\IMG.002 created.
	18:32:05 Backup file E:\IMG.003 created.
	18:38:16 Backup file E:\IMG.004 created.
	18:44:25 Backup file E:\IMG.005 created.
	18:46:11 Backup file CRC: 80075fd6.
	18:46:11 Backup of drive 1: completed on Nov 15, 2001 18:46. SafeBack execution ended on Nov 15, 2001 18:46.
	Safeback log: DI-157/SB_157R.txt
	SafeBack 2.18 13Feb01 execution started on Nov 15, 2001 18:46.
	18:47:26 Menu selections:
	Function: Restore
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	18:47:55 Backup file created on Nov 15, 2001 18:19 by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record: DI-157
	18:48:00 Backup file E:\IMG.001 opened for access.
	18:48:34 Restore of drive 1: from E:\IMG.001
	to drive 2: started on Nov 15, 2001 18:48

Case DI-157 for	SafeBack 2.18
	18:48:34 Partition fixup has been disabled.
	18:48:34 Local SafeBack is running on DOS 7.10
	Source drive 1:
	Capacity8759 MB
	Cylinders17338
	Heads3
	SCSI ASPI driver direct drive access used.
	Destination drive 2:
	Capacity8759 MB
	Cylinders17338
	Heads3
	Model: OUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814
	Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	18:54:51 Backup file E:\IMG.002 opened for access.
	19:01:10 Backup file E:\IMG.003 opened for access.
	19:07:31 Backup file E:\IMG.004 opened for access.
	19:13:58 Backup file E:\IMG.005 opened for access.
	19:15:49 The whole-file CRC verifies: 80075fd6
	19:15:49 Restore of drive 1: to drive 2: completed on Nov 15, 2001 19:15
	19:16:55 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 15, 2001 19:16.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares equal to dst
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-158 for	
Case Summary:	Create an image from an ASPI SCSI source disk
	to an ASPI SCSI destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Tue Nov 27 16:29:48 2001
PC:	Wimsey
Disks:	Source: DOS Drive 81 Physical Label E4
	Destination: DOS Drive 82 Physical Label EC
	Image media: DOS Drive 80 Physical Label A7
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	EC is a SEAGATE ST39204LC with 17921835 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000
	source disk
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
	Disk hash = 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Destination	Z:\ss\DISKWIPE.EXE DI-158 Wimsey 81 EC /noask /dst /new_log /comment JRL

Case DI-158 for	SafeBack 2.18
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-158 Wimsey 81 /all /new_log /comment JRL(EC) Z:\ss\PARTAB.EXE DI-158 Wimsey 82 /all /new_log /comment JRL(EC) z:\sb\master (restore from image) Z:\ss\DISKCMP.EXE DI-158 Wimsey 81 E4 82 EC /new_log /comment JRL Z:\ss\DISKHASH.EXE DI-158 Wimsey 81 /comment JRL(E4) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-158
Log File	Safeback log: DI-158/SB_158B.txt
Highlights:	SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 18:01. 18:01:25 Menu selections:
	Function: Backup Direct access: Yes
	Direct access: Yes Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	18:02:17 Backup file E:\IMG.001 created. Backup file comment record: DI-158
	18:02:27 Backing up drive 1:
	to E:\IMG.001 on Nov 27, 2001 18:02
	18:02:28 Local SafeBack is running on DOS 7.10 Source drive 1:
	Capacity8759 MB Cylinders17338
	Heads3
	Model: QUANTUM ATLAS10K2-TY092J
	Serial Number: 16902814 Firmware version: DDD6
	SCSI ASPI driver direct drive access used.
	18:02:28 Partition table for drive 1:
	18:08:37 Backup file E:\IMG.002 created.
	18:14:48 Backup file E:\IMG.003 created. 18:21:02 Backup file E:\IMG.004 created.
	18:27:13 Backup file E:\IMG.005 created.
	18:28:59 Backup file CRC: 1af88216.
	18:28:59 Backup of drive 1: completed on Nov 27, 2001 18:28. SafeBack execution ended on Nov 27, 2001 18:30.
	Safeback log: DI-158/SB_158R.TXT SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 18:31.
	18:31:26 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No Backfill on restore: No
	18:32:37 Backup file created on Nov 27, 2001 18:02 by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record: DI-158
	18:32:44 Backup file E:\IMG.001 opened for access.
	18:33:15 The destination drive capacity is smaller than that of the original source drive. 18:33:21 Restore of drive 1: from E:\IMG.001
	to drive 2: started on Nov 27, 2001 18:33
	18:33:21 Partition fixup has been disabled.
	18:33:21 Local SafeBack is running on DOS 7.10 Source drive 1:
	Capacity8759 MB
	Cylinders17338 Heads3
	SCSI ASPI driver direct drive access used.
	Destination drive 2:
	Capacity8751 MB Cylinders14384
	Heads3 Model: SEAGATE ST39204LC
	Serial Number: 3BV0QB1B

Case DI-158 for	SafeBack 2.18
	Firmware version: 0006
	SCSI ASPI driver direct drive access used.
	18:39:39 Backup file E:\IMG.002 opened for access.
	18:46:27 Backup file E:\IMG.003 opened for access.
	18:52:51 Backup file E:\IMG.004 opened for access.
	18:59:18 Backup file E:\IMG.005 opened for access.
	19:01:08 Restore of drive 1: to drive 2: completed on Nov 27, 2001 19:01
	19:05:06 Menu selections:
	Function: Restore
	Direct access: Yes
	Use XBIOS: Auto
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Nov 27, 2001 19:05.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range
	Source (17938985) has 17150 more sectors than destination (17921835)
	Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved

Case DI-159 fo	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
•	to an XBIOS-SCSI destination disk
	where the source disk is smaller than the destination
	Introduce an error on the image.
Tester Name:	JRL
Test Date:	Mon Dec 17 14:44:37 2001
PC:	JudgeDee
Disks:	Source: DOS Drive 80 Physical Label F1
	Destination: DOS Drive 82 Physical Label E6
	Image media: DOS Drive 81 Physical Label A8
	F1 is a Quantum Sirooco1700A with 3335472 sectors
	E6 is a SEAGATE ST318404LC with 35843670 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & Fat32
setup:	Disk: F1
	Host: JudgeDee
	Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Fri Nov 16 10:42:33 2001
	cmd: Z:\ss\DISKWIPE.EXE F1 JudgeDee 80 F1 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\f32-src.txt
	Load Operating System to Source disk
	cmd: Z:\ss\DISKHASH.EXE F1 JudgeDee 80 /before /new_log
	Disk hash = 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Destination	Z:\ss\DISKWIPE.EXE DI-159 JudgeDee 81 E6 /noask /dst /new_log /comment
Setup:	JRL
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-159 Host D:\IMG.001 900 AE /comment None
-	Change byte 900 of file D:\IMG.001 from 0xFFF1 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-159 JudgeDee 80 /all /new_log /comment JRL(E6)
	Z:\ss\PARTAB.EXE DI-159 JudgeDee 82 /all /new_log /comment JRL(E6)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-159 JudgeDee 80 F1 82 E6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-159 JudgeDee 80 /comment JRL(F1) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-159

Log File	
### SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 15:01:07:40 Menu selections: Function: Backup Direct access: No Use XBIDOS: Yes Adjust partitions: No Backfill on restore: No 15:08:01 Backup file D:\IMM.001 created. Backup file D:\IMM.001 created. Backup file comment record: DI-159	
### SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 15:01:07:40 Menu selections: Function: Backup Direct access: No Use XBIDOS: Yes Adjust partitions: No Backfill on restore: No 15:08:01 Backup file D:\IMM.001 created. Backup file D:\IMM.001 created. Backup file comment record: DI-159	
15:07:40 Menu selections:	07.
Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 15:08:01 Backup file D:\IMG.001 created. Backup file comment record: DI-159 15:08:08 Backing up drive 0: to D:\IMG.001 on Dec 17, 2001 15:08 15:08:09 Local SafeBack is running on DOS 7.10 Source drive 0: Capacity1629 MB Cylinders3309 Heads16 15:17:41 Backup file CRC: a5863044. 15:17:41 Backup of drive 0: completed on Dec 17, 2001 15:17. SafeBack execution ended on Dec 17, 2001 15:46. Safeback log: DI-159/SB_159R_TXT SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 15:4 15:47:57 Menu selections: Function: Restore Direct access: No Use XBIOS: Yes Adjust partitions: No Backipl file created on Dec 17, 2001 15:08 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con Backup file comment record: DI-159 15:48:08 Backup file D:\IMG.001 opened for access. 15:48:50 Restore of drive 0: from D:\IMG.001 to drive 2: started on Dec 17, 2001 15:48 15:48:50 Restore of drive 0: from Disabled. 15:48:50 Local SafeBack is running on DOS 7.10 Source drive 0: Capacity1629 MB	
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15:48:50 Local SafeBack is running on DOS 7.10 Source drive 0: Capacity1629 MB	
Capacity1629 MB	
Cylinders3309	
Heads16 Destination drive 2:	
Capacity17502 MB	
Cylinders2231	
Heads255	
15:48:50 IMG.001, record 0 has a CRC error. 159f was expected, but a3	3ce
read.	
15:48:55 Backup file CRC error ignored by recovery at sector 0.	
15:48:57 Data starting at sector 0 and the next 119 sectors is	
questionable due to CRC errors. 15:54:04 CRC mismatch: Calculated: 5a8e4fad, Read: a5863044	
16:07:29 Restore of drive 0: to drive 2: completed on Dec 17, 2001 16	5:07
16:17:44 Menu selections:	
Function: Restore	
Direct access: No	
Use XBIOS: Yes	
Adjust partitions: No	
Backfill on restore: No	
SafeBack execution ended on Dec 17, 2001 16:17.	
Sectors Compared 3335472	
Sectors Differ 1	
Diffs range 1	
Source (3335472) has 32508198 fewer sectors than destination (35843670	0)
Zero fill: 32508198	
Src Byte fill (F1): 0	

Case DI-159 for SafeBack 2.18	
	Dst Byte fill (E6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 3E7E5E0AB0FA333BE39D267F0DB8E340386DC05A
Expected	Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Cago DT 160 for	CofoPosk 2 10
Case DI-160 for	
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-SCSI destination disk
The set and Manual	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Tue Dec 04 15:58:51 2001
PC:	Rumpole
Disks:	Source: DOS Drive 80 Physical Label B8
	Destination: DOS Drive 82 Physical Label EB
	Image media: DOS Drive 81 Physical Label A8
	B8 is a WDC AC21600H with 3173184 sectors
	EB is a SEAGATE ST39204LC with 17921835 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
0	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Linux EXT2 & DOS Fat16 Disk: B8
setup:	
	Host: JudgeDee Operator: JRL
	OS: Windows/Me
	Options: Typical
	Date: Thu Oct 18 13:47:31 2001
	Date: 1114 dec 10 13:17/31 2001
	cmd: Z:\ss\DISKWIPE.EXE B8 JudgeDee 80 B8 /src /new_log
	X:\pm\pqmaqic /cmd=X:\pm\nex-src.txt
	Load Operating System to Source disk
	cmd: z:\ss\DISKHASH.EXE B8 src Cadfael 80 /before /new log
	Disk hash = F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Destination	Z:\ss\DISKWIPE.EXE DI-160 Rumpole 81 A8 /noask /dst /new_log /comment B8
Setup:	
Error Setup:	none
Execute:	Z:\ss\PARTAB.EXE DI-160 Rumpole 80 /all /new_log /comment B8(A8)
	Z:\ss\PARTAB.EXE DI-160 Rumpole 82 /all /new_log /comment B8(A8)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-160 Rumpole 80 EB 82 A8 /new_log /comment B8
	Z:\ss\DISKHASH.EXE DI-160 Rumpole 80 /comment B8(EB) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-160
loc:	
Log File	Safeback log: DI-160/SB_160B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 17:34.
	The tape drive was not used.
	17:34:42 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	17:36:17 Backup file D:\IMG.001 created.
	Backup file comment record: DI-160
	17:36:22 Backing up drive 0:
	to D:\IMG.001 on Dec 4, 2001 17:36
	17:36:23 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity1549 MB
	Cylinders3148
1	C/11macro

```
Case DI-160 for SafeBack 2.18
                            Heads.....16
                17:36:23 Partition table for drive 0:
                17:45:45 Backup file CRC: b4fc3848.
                17:45:45 Backup of drive 0: completed on Dec 4, 2001 17:45.
                          SafeBack execution ended on Dec 4, 2001 17:54.
                Safeback log: DI-160/SB_160R.TXT
                         SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 17:55.
                         The tape drive was not used.
                17:55:37 Menu selections:
                           Function:
                                                    Restore
                            Direct access:
                                                   No
                            Use XBIOS:
                                                   Yes
                            Adjust partitions:
                                                    No
                            Backfill on restore:
                                                   No
                17:55:51 Backup file created on Dec 4, 2001 17:36
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                          Backup file comment record:
                           DI-160
                17:55:54 Backup file D:\IMG.001 opened for access.
                17:56:44 XBIOS access mode for source and destination drives is
                17:57:34 Restore operation terminated by error or user.
                17:57:35 Menu selections:
                           Function:
                                                    Restore
                            Direct access:
                                                   No
                            Use XBIOS:
                           Adjust partitions:
                                                   No
                            Backfill on restore:
                                                   No
                17:57:58 Backup file created on Dec 4, 2001 17:36
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DT-160
                17:58:05 Backup file D:\IMG.001 opened for access.
                17:58:34 Menu selections:
                            Function:
                                                    Restore
                            Direct access:
                                                    No
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                    No
                            Backfill on restore:
                                                   No
                17:58:45 Backup file created on Dec 4, 2001 17:36
                          by Gary Fisher Natl Institute of Standards & Technology
                Software Diagnostics & Con
                         Backup file comment record:
                           DT-160
                17:58:47 Backup file D:\IMG.001 opened for access.
                17:59:28 XBIOS access mode for source and destination drives is
                different.
                18:01:41 Restore of drive 0: from D:\IMG.001
                          to drive 2: started on Dec 4, 2001 18:01
                18:01:41 Partition fixup has been disabled.
                18:01:41 Local SafeBack is running on DOS 7.10
                          Source drive 0:
                           Capacity......1549 MB Cylinders.....3148
                           Heads.....16
                          Destination drive 2:
                            Capacity.....8025 MB
                            Cylinders.....1023
                            Heads.....255
                18:07:26 The whole-file CRC verifies: b4fc3848
                18:14:01 Restore of drive 0: to drive 2: completed on Dec 4, 2001 18:14
                18:14:10 Menu selections:
                            Function:
                                                    Restore
                            Direct access:
                                                    No
                            Use XBIOS:
                                                    Auto
                            Adjust partitions:
                                                    No
                            Backfill on restore:
                                                    No
                          SafeBack execution ended on Dec 4, 2001 18:14.
```

Case DI-160 for	SafeBack 2.18
	= = = Measurement Logs = = = =
	Sectors Compared 3173184
	Sectors Differ 0
	Diffs range
	Source (3173184) has 13261311 fewer sectors than destination (16434495)
	Zero fill: 13261311
	Src Byte fill (EB): 0
	Dst Byte fill (A8): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: F8C64E5C2049AEA8875D913ABAF2568286AE6FF2
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-IDE source disk
	to an XBIOS-SCSI destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Mon Dec 17 10:26:58 2001
PC:	Cadfael
Disks:	Source: DOS Drive 80 Physical Label F6
	Destination: DOS Drive 82 Physical Label EB
	Image media: DOS Drive 81 Physical Label AB
	F6 is an IBM-DTLA-307020 with 40188960 sectors
	EB is a SEAGATE ST39204LC with 17921835 sectors
	AB is a Maxtor53073H4 with 60030432 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: F6
	Host: Wimsey
	Operator: JRL
	OS: Windows 2000
	Date: Sat Jul 21 15:53:12 2001
	DISKWIPE.EXE F6_SRC Wimsey 80 F6 /src /new_log /noask /comment Windows
	2000/NT source
	X:\pm\pqmagic /cmd=X:\pm\nt-src.txt
	Load Operating System to Source disk
	DISKHASH.EXE LX-27 Morse 80 /before
	Diel- beck - 0024602DEDEED2E14002G7DEGD004EG22GD6D22E
5	Disk hash = 8034683D5D55BA51409AC7B5CB0845CA2CF6B235
Destination	Z:\ss\DISKWIPE.EXE DI-161 Cadfael 81 EB /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	none
Execute:	<pre>Z:\ss\PARTAB.EXE DI-161 Cadfael 80 /all /new_log /comment JRL(EB) Z:\ss\PARTAB.EXE DI-161 Cadfael 82 /all /new_log /comment JRL(EB) z:\sb\master (backup to image) z:\sb\master (restore from image)</pre>
	Z:\ss\DISKCMP.EXE DI-161 Cadfael 80 F6 82 EB /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-161 Cadfael 80 /comment JRL(F6) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-161
loc:	
Log File	Safeback log: DI-161/SB_161B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 10:50.
3 3	10:50:19 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:51:32 Backup file E:\IMG.001 created.
	Backup file comment record:
	DI-161

Case DI-161 for	r SafeBack 2.18
	10:51:39 Backing up drive 0:
	to E:\IMG.001 on Dec 17, 2001 10:51
	10:51:40 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity19624 MB
	Cylinders2501
	Heads255
	10:51:40 Partition table for drive 0:
	11:00:31 Backup file E:\IMG.002 created.
	11:09:21 Backup file E:\IMG.003 created.
	11:18:12 Backup file E:\IMG.004 created.
	11:27:02 Backup file E:\IMG.005 created.
	11:35:49 Backup file E:\IMG.006 created. 11:44:37 Backup file E:\IMG.007 created.
	11:53:26 Backup file E:\IMG.008 created.
	12:02:15 Backup file E:\IMG.009 created.
	12:11:05 Backup file E:\IMG.010 created.
	12:16:24 Backup file CRC: 7b1b17db.
	12:16:26 Backup of drive 0: completed on Dec 17, 2001 12:16.
	SafeBack execution ended on Dec 17, 2001 12:40.
	Safeback log: DI-161/SB_161R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 17, 2001 12:46.
	12:47:01 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	12:47:11 Backup file created on Dec 17, 2001 10:51
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con Backup file comment record:
	DI-161
	12:47:14 Backup file E:\IMG.001 opened for access.
	12:47:31 The destination drive capacity is smaller than that of the
	original source drive.
	12:47:40 Restore of drive 0: from E:\IMG.001
	to drive 2: started on Dec 17, 2001 12:47
	12:47:40 Partition fixup has been disabled.
	12:47:40 Local SafeBack is running on DOS 7.10
	Source drive 0:
	Capacity19624 MB
	Cylinders2501
	Heads255
	Destination drive 2:
	Capacity8751 MB
	Cylinders1115
	Heads255
	12:53:33 Backup file E:\IMG.002 opened for access. 12:59:24 Backup file E:\IMG.003 opened for access.
	13:05:14 Backup file E:\IMG.004 opened for access.
	13:11:05 Backup file E:\IMG.005 opened for access.
	13:12:44 Restore of drive 0: to drive 2: completed on Dec 17, 2001 13:12
	13:15:10 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 17, 2001 13:15.
	= = = Measurement Logs = = = =
	Sectors Compared 17921835
	Sectors Differ 0
	Diffs range Source (4019960) has 22267125 more gostors than destination (17021925)
	Source (40188960) has 22267125 more sectors than destination (17921835)
Expected	Hash after test: 8034683D5D55BA51409AC7B5CB0845CA2CF6B235 Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
TODATOD.	truncation is logged
Actual	No anomalies
	·

Case DI-161 for SafeBack 2.18	
Results:	
Analysis:	Expected results achieved

Case DI-162 for	r SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination Introduce an error on the image.
Tester Name:	JRL
Test Date:	Tue Dec 04 11:01:30 2001
PC:	Wimsey
Disks:	Source: DOS Drive 82 Physical Label E3
	Destination: DOS Drive 81 Physical Label A6
	Image media: DOS Drive 80 Physical Label A7
	E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	A6 is a WDC WD200BB-00AUA1 with 39102336 sectors
	A7 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Dual boot Linux/Windows Me with EXT2 & Fat16
setup:	Disk: E3
ъссир.	Host: Cadfael
	Operator: JRL
	OS: Linux Red Hat 7.1/Windows Me
	Date: Sat Jul 21 16:17:29 2001
	DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log
	X:\pm\pqmagic /cmd=X:\pm\fat-src.txt
	Load Operating System to Source disk DISKHASH.EXE E3 SRC Rumpole 80 /before
	DISKNASH.EAE BS_SKC KUMPOTE 60 / DETOTE
	Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0
Destination	Z:\ss\DISKWIPE.EXE DI-162 Wimsey 81 A6 /noask /dst /new_log /comment JRL
Setup:	
Error Setup:	cmd: Z:\ss\CORRUPT.EXE DI-162 Host F:\IMG.001 6938 AE /comment None
	Change byte 6938 of file F:\IMG.001 from 0x30 to 0xFFAE
Execute:	Z:\ss\PARTAB.EXE DI-162 Wimsey 81 /all /new_log /comment JRL(A6) Z:\ss\PARTAB.EXE DI-162 Wimsey 82 /all /new_log /comment JRL(A6)
	z:\sb\master (backup to image)
	z:\sb\master (restore from image)
	Z:\ss\DISKCMP.EXE DI-162 Wimsey 82 E3 81 A6 /new_log /comment JRL
	Z:\ss\DISKHASH.EXE DI-162 Wimsey 82 /comment JRL(E3) /new_log /after
Log files	test-archive/sb/sb-2.18/DI-162
loc:	
Log File	Safeback log: DI-162/SB_162B.TXT
Highlights:	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 11:54. 11:55:14 Menu selections:
	Function: Backup
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	11:55:38 Backup file F:\IMG.001 created.
	Backup file comment record:
	DI-162
	11:55:49 Backing up drive 2: to F:\IMG.001 on Dec 4, 2001 11:55
	11:55:51 Local SafeBack is running on DOS 7.10
	Source drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255
	11:55:51 Partition table for drive 2:
	12:02:12 Backup file F:\IMG.002 created.
	12:08:42 Backup file F:\IMG.003 created.
	12:15:03 Backup file F:\IMG.004 created. 12:21:15 Backup file F:\IMG.005 created.
	12:21:15 Backup file F:\IMG.005 created. 12:23:02 Backup file CRC: f7c78030.
	12:23:02 Backup file ckc: 1/6/8030. 12:23:03 Backup of drive 2: completed on Dec 4, 2001 12:23.
	1 12 23 33 Packap of allive 2: completed on Dec 1, 2001 12.23.

Case DI-162 for	SafeBack 2.18
	SafeBack execution ended on Dec 4, 2001 13:18.
	Safeback log: DI-162/SB_162R.TXT
	SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 13:19.
	13:20:13 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	13:20:27 Backup file created on Dec 4, 2001 11:55
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-162
	13:20:30 Backup file F:\IMG.001 opened for access.
	13:21:06 Restore of drive 2: from F:\IMG.001
	to drive 1: started on Dec 4, 2001 13:21
	13:21:06 Partition fixup has been disabled.
	13:21:06 Local SafeBack is running on DOS 7.10
	Source drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 1:
	Capacity19093 MB
	Cylinders2434
	Heads255
	13:21:06 IMG.001, record 0 has a CRC error. df51 was expected, but 791d
	read.
	13:21:13 Backup file CRC error ignored by recovery at sector 0.
	13:21:15 Data starting at sector 0 and the next 119 sectors is
	questionable due to CRC errors.
	13:31:36 Backup file F:\IMG.002 opened for access.
	13:42:01 Backup file F:\IMG.003 opened for access.
	13:51:51 Backup file F:\IMG.004 opened for access.
	14:01:44 Backup file F:\IMG.005 opened for access.
	14:04:34 CRC mismatch: Calculated: efe8f293, Read: f7c78030
	14:26:32 Restore of drive 2: to drive 1: completed on Dec 4, 2001 14:26
	14:27:46 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 4, 2001 14:27.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 1
	Diffs range 13
	Source (17938985) has 21163351 fewer sectors than destination (39102336)
	Zero fill: 21163351
	Src Byte fill (E3): 0
	Dst Byte fill (A6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	image verification error
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-163 for	SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is smaller than the destination
Tester Name:	JRL
Test Date:	Mon Dec 03 14:34:42 2001
PC:	Wimsey

Destination: DOS Drive 80 Physical Label A6 Image media: DOS Drive 80 Physical Label A7 E3 is a QUANTUM ATLASIOKZ-TYP92J with 17938985 sectors A6 is a MDC WD200BB-OQANAI with 193102236 sectors J2 disk with partition magic and scripts F8-TST Release 1.0 CD-ROM + Daddisk Version 3.2 Dual boot Linux/Windows Me with EXT2 & Fat16 Disk: E3 Host: Cadfael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001 DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\mmypamagic /cmdeX:\mmypamagic disk DISKMIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\mmypamagic /cmdeX:\mmypamagic disk DISKMIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\mmypamagic /cmdeX:\mmypamagic /cmdeX:\mmy	Case DI-163 for	SafeBack 2.18
Destination: DOS Drive 80 Physical Label A6 Image media: DOS Drive 80 Physical Label A7 E3 is a QUANTUM ATLASICKA_TYOP92J with 17938985 sectors A6 is a MDC MD200BB-00AUAI with 39102336 sectors Jaz disk with partition magic and scripts F8-TST Release 1.0 CD-ROW + Daddisk Version 3.2 Dual boot Linux/Nindows Me with EXT2 & Fat16 Disk: E3 Host: Cadfael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001 DISKMIPE.EXE E1_SRC Rumpole 80 E3 /src /new_log X:\pmplegmagic /cmd-X:\pm\fat-src.txt Load Operating System to Source disk DISKMIPE.EXE E1_SRC Rumpole 80 E3 /src /new_log X:\pmplegmagic /cmd-X:\pm\fat-src.txt Load Operating System to Source disk DISKMIPE.EXE E1_SRC Rumpole 80 Destination Z*\ssb\DISKMIPE.EXE DI-163 Wimsey 81 A6 /noask /dst /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 81 A6 /noask /dst /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL(A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL(A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /a11 /new_log /comment JRL (A6) Z*\ss\PATAB.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after Log files Log	Disks:	
B3 is a QUANTUM ATLASIOK2-TYO92D with 17938985 sectors A6 is a NDC MD200BB-00ADA1 with 39102336 sectors A7 is a NDC MD200BB-00ADA1 with 39102336 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	Ì	
A6 is a WDC ND200BB-00AUAl with 39102336 sectors JA2 disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2 Source disk setup: Disk: E3 Host: Caddael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001 DISKWIPE.EXE E3_SKC Rumpole 80 E3 /src /new_log X:\pm\pqmagic /cmd-X:\pm\fat-src.txt Load Operating System to Source disk DISKHASH.EXE E3_SKC Rumpole 80 C5 /src /new_log X:\pm\pqmagic /cmd-X:\pm\fat-src.txt Load Operating System to Source disk DISKHASH.EXE E3_SKC Rumpole 80 /before Disk hash = 0F9DACDA6662D197C048782003D324108CEC7AB0 Destination Setup: Destination Setup: none Execute: Z:\sa\PARTAB.EXE D1-163 Wimsey 81 /a11 /new_log /comment JRL(A6) Z:\sa\PARTAB.EXE D1-163 Wimsey 82 /a11 /new_log /comment JRL G2 files loc: Log files loc: Log files loc: Safeback log: D1-163/SB.EXTY Safeback 2.18 13Feb01 execution started on Dec 3, 2001 15:23. 15:23:42 Menu selections: Function: Backup Direct access: No Use ENGON, Yes Adjust partitions: No Backfill on restore: No 15:24:15 Backing up drive 2: to F:\NMC.001 on Dec 3, 2001 15:24 15:24:15 Backing up drive 2: Capacity8759 MB Cylinders	Ì	Image media: DOS Drive 80 Physical Label A7
A7 is a NDC ND200BB-00AUAl with 39102336 sectors Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROM + baddisk Version 3.2	Ì	
Jaz disk with partition magic and scripts FS-TST Release 1.0 CD-ROW + baddisk Version 3.2 Source disk setup: Dual boot Linux/Windows Me with EXT2 & Fat16 Disk: E3 Host: Cadfael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001 DISKWIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmagic /cmd=X:\pm\fat-src.txt Load Operating System to Source disk DISKRAPS.EXE E3_SRC Rumpole 80 /before Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Destination Setup: Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Destination Setup: Execute: Z:\ss\DARTAB.EXE DI-163 Wimsey 81 /all /new_log /comment JRL (A6) Z:\ss\DARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL(A6) Z:\ss\DARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL (A6) Z:\ss\DARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL (A6) Z:\ss\DARTAB.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL (A6) Z:\ss\DARTAB.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after Log files Log-file Log-file Highlights: SafeBack log: DI-163/SB_163B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. 15:23:42 Menn selections: Punction: Backup file comment record: DI-163 DI-16	Ì	
Source disk	Ì	
Source disk setup: Dual boot Linux/Windows Me with EXT2 & Fat16 Disk: E3 Host: Cadfael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001 DISKNIPE.EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pmmpamagic /cmd=X:\pm\patheta-src.txt Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Destination Setup: Z:\ss\DISKMIPE.EXE DI-163 Wimsey 81 A6 /noask /dst /new_log /comment JRL Execute: Z:\ss\PARTAB.EXE DI-163 Wimsey 81 /all /new_log /comment JRL(A6) Z:\ss\PARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL Cog file Log file Log file Safeback log: DI-163/SB_163B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. 15:23:2 Menu selections: Function:	Ì	
Disk: E3	المستعم المؤامات	
Host: Cadfael Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 201 DISKWIPE_EXE E3_SRC Rumpole 80 E3 /src /new_log X:\pm\pqmagic /cmd=X:\pm\fat-src.txt Load Operating System to Source disk DISKMASH.EXE E3_SRC Rumpole 80 /before Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Destination Setup: Error Setup: Done Execute: Z:\ss\pARTAB.EXE DI-163 Wimsey 81 A6 /noask /dst /new_log /comment JRL (A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 81 A6 /noask /dst /new_log /comment JRL (A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL(A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL(A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL (A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL (A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL (A6) Z:\ss\pARTAB.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after Log files loc: Log files loc: Log File Highlights: SafeBack log: DI-163/SB_163B.TXT Source drive 2: Log: Local SafeBack is running on DOS 7.10 Source drive 2: Capacity8759 MB Cylinders1116 Heads		
Operator: JRL OS: Linux Red Hat 7.1/Windows Me Date: Sat Jul 21 16:17:29 2001	secup.	
OS: Linux Red Hat 7.1/Windows Me	Ì	
Date: Sat Jul 21 16:17:29 2001	Ì	<u> </u>
X:\m\pgmagic /cmd=X:\pm\fat=src.txt Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before	Ì	Date: Sat Jul 21 16:17:29 2001
X:\m\pgmagic /cmd=X:\pm\fat=src.txt Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before	Ì	
Load Operating System to Source disk DISKHASH.EXE E3_SRC Rumpole 80 /before Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0 Destination Setup:	Ì	
DISKHASH.EXE E3_SRC Rumpole 80 /before	Ì	
Disk hash = 0F9DACDA6C63D197C048782003D324108CEC7AB0	Ì	
Destination Setup: none	Ì	DISKHASH.EXE E3_SRC Rumpole 80 /before
Destination Setup: none	ı	Diak hash - 0E0DAGDAGGAD107G040702002D204100GEG7AD0
Setup:	Dogtination	
Error Setup: None		1 0.700/DISKMIEF.EVE DI-IO3 MIMBER OF WO \MOGRA \OSC \WEMTOG \COMMENT OKT
Execute:	-	none
Z:\ss\PARTAB.EXE DI-163 Wimsey 82 /all /new_log /comment JRL(A6) z:\sh\master (backup to image) z:\sh\master (backup to image) z:\sh\DISKCMP.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after Log files test-archive/sb/sb-2.18/DI-163 Log File Safeback log: DI-163/SB_163B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. Log File Safeback log: DI-163/SB_163B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. Log File Safeback log: DI-163/SB_163B.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. Log File Safeback log: Direct access: No		
z:\sb\master (backup to image) z:\sb\master (restore from image) z:\sb\master (restore from image) z:\ss\DISKCMP.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL Z:\ss\DISKCMP.EXE DI-163 Wimsey 82 /comment JRL Z:\ss\DISKCMP.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after Log files test-archive/sb/sb-2.18/DI-163 loc: Safeback log: DI-163/SB_163B.TXT Safeback 2.18 13Feb01 execution started on Dec 3, 2001 15:23. 15:23:42		
z:\sb\master (restore from image) z:\ss\DISKCMP.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL z:\ss\DISKCMP.EXE DI-163 Wimsey 82 /comment JRL z:\ss\DISKASH.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after	ı	
Z:\ss\DISKHASH.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after	Ì	
Log files loc: Safeback Log	Ì	Z:\ss\DISKCMP.EXE DI-163 Wimsey 82 E3 81 A6 /new_log /comment JRL
Log File	<u>i</u>	Z:\ss\DISKHASH.EXE DI-163 Wimsey 82 /comment JRL(E3) /new_log /after
Safeback log: DI-163/SB_163B.TXT	Log files	test-archive/sb/sb-2.18/DI-163
### SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:23. 15:23:42 Menu selections: Function:	loc:	
15:23:42 Menu selections: Function: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backill on restore: No 15:24:08 Backup file F:\IMG.001 created. Backing up drive 2: to F:\IMG.001 on Dec 3, 2001 15:24 15:24:15 Backing up drive 2: to F:\IMG.001 on Dec 3, 2001 15:24 15:24:16 Local SafeBack is running on DOS 7.10 Source drive 2: Capacity8759 MB Cylinders1116 Heads255 15:24:16 Partition table for drive 2: 15:30:34 Backup file F:\IMG.002 created. 15:36:49 Backup file F:\IMG.003 created. 15:49:26 Backup file F:\IMG.004 created. 15:49:26 Backup file F:\IMG.005 created. 15:51:15 Backup of drive 2: completed on Dec 3, 2001 15:51. SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:55. 15:55:46 Menu selections: Function: Restore		
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15:49:26 Backup file F:\IMG.005 created. 15:51:15 Backup file CRC: 463ad0b1. 15:51:15 Backup of drive 2: completed on Dec 3, 2001 15:51. SafeBack execution ended on Dec 3, 2001 15:54. Safeback log: DI-163/SB_163R.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:55. 15:55:46 Menu selections: Function: Restore	1	15:36:49 Backup file F:\IMG.003 created.
15:51:15 Backup file CRC: 463ad0b1. 15:51:15 Backup of drive 2: completed on Dec 3, 2001 15:51. SafeBack execution ended on Dec 3, 2001 15:54. Safeback log: DI-163/SB_163R.TXT SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:55. 15:55:46 Menu selections: Function: Restore	İ	
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SafeBack 2.18 13Feb01 execution started on Dec 3, 2001 15:55. 15:55:46 Menu selections: Function: Restore	1	·
15:55:46 Menu selections: Function: Restore	1	_
Function: Restore	İ	
	1	
Direct access: No	İ	Direct access: No
Use XBIOS: Yes	1	
Adjust partitions: No	İ	
Backfill on restore: No	1	
15:56:05 Backup file created on Dec 3, 2001 15:24	1	
by Gary Fisher Natl Institute of Standards & Technology	1	
Software Diagnostics & Con		Software Diagnostics & Con

Case DI-163 for	SafeBack 2.18
	Backup file comment record:
	DI-163
	15:56:06 Backup file F:\IMG.001 opened for access.
	15:57:03 Restore of drive 2: from F:\IMG.001
	to drive 1: started on Dec 3, 2001 15:57
	15:57:03 Partition fixup has been disabled.
	15:57:03 Local SafeBack is running on DOS 7.10
	Source drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255
	Destination drive 1:
	Capacity19093 MB
	Cylinders2434
	Heads255
	16:06:59 Backup file F:\IMG.002 opened for access.
	16:16:58 Backup file F:\IMG.003 opened for access.
	16:27:01 Backup file F:\IMG.004 opened for access.
	16:37:11 Backup file F:\IMG.005 opened for access.
	16:40:06 The whole-file CRC verifies: 463ad0b1
	17:00:35 Restore of drive 2: to drive 1: completed on Dec 3, 2001 17:00
	17:00:44 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 3, 2001 17:00.
	= = = Measurement Logs = = = =
	Sectors Compared 17938985
	Sectors Differ 0
	Diffs range
	Source (17938985) has 21163351 fewer sectors than destination (39102336)
	Zero fill: 21163351
	Src Byte fill (E3): 0
	Dst Byte fill (A6): 0
	Other fill: 0
	Other no fill: 0
	Hash after test: 0F9DACDA6C63D197C048782003D324108CEC7AB0
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst
Actual	Backfill anomaly
Results:	
Analysis:	Expected results not achieved

Case DI-164 for	: SafeBack 2.18
Case Summary:	Create an image from an XBIOS-SCSI source disk
	to an XBIOS-IDE destination disk
	where the source disk is larger than the destination
Tester Name:	JRL
Test Date:	Tue Dec 04 10:08:37 2001
PC:	Cadfael
Disks:	Source: DOS Drive 82 Physical Label E4
	Destination: DOS Drive 81 Physical Label BB
	Image media: DOS Drive 80 Physical Label A8
	E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	BB is a QUANTUM FIREBALL ST3.2A with 6306048 sectors
	A8 is a WDC WD200BB-00AUA1 with 39102336 sectors
	Jaz disk with partition magic and scripts
	FS-TST Release 1.0 CD-ROM + baddisk Version 3.2
Source disk	Windows 2000 with NTFS & Fat32
setup:	Disk: E4
	Host: JudgeDee
	Operator: JRL
	OS: Windows 2000/NT
	Date: Sat Jul 21 16:58:28 2001
	DISKWIPE.EXE E4_SRC JudgeDee 80 E4 /src /noask /comment Windows 2000 source disk

X:Ymn/pmmasic /cmd=X:Ymn/nt-src.txt Load Operating System to Source disk cmd: X:Yas/DISKHASH.EXE Hash Winsey 80 /comment E4 /new_log /before Disk hash = 258F8AF6B2D3EDB01909996E36BD827F51C49CBF Error Setup: none Z:Yas/DIASKHASH.EXE DI-164 Cadfael 81 88 /noask /dst /new_log /comment JRL Error Setup: none Z:Yas/DATAB.EXE DI-164 Cadfael 82 /all /new_log /comment JRL (BB) Z:Yas/DATAB.EXE DI-164 Cadfael 82 /all /new_log /comment JRL (BB) Z:Yas/DATAB.EXE DI-164 Cadfael 82 /all /new_log /comment JRL Extra comment /make Z:Yas/DATAB.EXE DI-164 Cadfael 82 /all /new_log /comment JRL Log files test-archive/sb/sb-2.18/DI-164 Extra comment JRL Extra commen	Case DI-164 fo	r SafeBack 2.18
cmd: X:\ss\DISKNIASH.EXE Hash Wimsey 80 /comment E4 /new_log /before		_
Disk hash = 25BP8AF6B2D3EOBD1909C96E36BDE27F51C49CBF		Load Operating System to Source disk
Destination Schapur None		cmd: X:\ss\DISKHASH.EXE Hash Wimsey 80 /comment E4 /new_log /before
Execute: none		
Execute: Z:\ss\PARTAB.EXE DI-164 Cadfael 82 /all /new_log /comment JEL(BB) Z:\ss\PARTAB.EXE DI-164 Cadfael 82 /all /new_log /comment JEL(BB) Z:\ss\Databaster (backup to image) Z:\ss\DISKCMP.EXE DI-164 Cadfael 82 /all /new_log /comment JEL Z:\ss\DISKCMP.EXE DI-164 Cadfael 82 /all /new_log /comment JEL Log files Log files Log files Log files Log files Log file Safeback log: DI-164/SB_164.TXT Safeback 2.18 13Feb0l execution started on Nov 27, 2001 12:12. Safeback 2.18 13Feb0l execution started on Nov 27, 2001 12:12. Log file Safeback 2.18 13Feb0l execution started on Nov 27, 2001 12:12. Log file		Z:\ss\DISKWIPE.EXE DI-164 Cadfael 81 BB /noask /dst /new_log /comment JRL
2:\ss\PAPTAB.EXE DI-164 Cadfael 82 /all /new_log /comment JRL	Error Setup:	none
	Execute:	
2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Z:\ss\DISKMSH.EXE DI-164 Cadfael 82 M 81 BB /new_log /comment JRL Z:\ss\DISKHSH.EXE DI-164 Cadfael 82 /comment JRL(E4) /new_log /after loc:		
2:\ss\DISKHASH.EXE DT-164 Cadfael 82 /comment JRL(E4) /new_log /after		
Log files loc: Log File Safeback log: DI -164/SB_164_TT Safeback log: DI -164/SB_164_TT Safeback 2.18 13Feb01 execution started on Nov 27, 2001 12:12. Log File Safeback 2.18 13Feb01 execution started on Nov 27, 2001 12:12. Log File Safeback 2.18 13Feb01 execution started on Nov 27, 2001 12:12. Log File Lo		
Safeback log: DI-164/SB 164.TXT		_
Highlights: SafeBack 2.18 13Feb01 execution started on Nov 27, 2001 12:12. 12:13:21 Menu selections: Restore Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:14:12 Backgill on restore: No 12:14:12 Backgill on restore: No 12:14:12 Backgill on restore: No 12:14:12 Backgill on restore: No 12:14:14 Backgill ecomment record: Diagnostics & Con Backgill ecomment record: Di-164 12:14:14 Backgill ele:\\MMG.001 opened for access. 12:14:28 The destination drive capacity is smaller than that of the original source drive. 12:14:38 Restore of drive 1: from E:\\MG.001 to drive 2: started on Nov 27, 2001 12:14 12:14:38 Partition fixup has been disabled. 12:14:38 Local SafeBack is running on DOS 7.10 Source drive 1: Capacity8759 MB Cylinders		Safeback log: DI-164/SB 164.TXT
Punction: Restore Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No 12:14:12 Backup file created on Nov 27, 2001 11:16 by Gary Fisher Natl Institute of Standards & Technology Software Diagnostics & Con Backup file comment record: D1-164 12:14:18 Backup file E:\IMG.001 opened for access. 12:14:28 The destination drive capacity is smaller than that of the original source drive. 12:14:38 Restore of drive 1: from E:\IMG.001 to drive 2: started on Nov 27, 2001 12:14 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:14:38 Partition fixup has been disabled. 12:21:19 Backup file E:\IMG.003 opened for access. 12:38:09 Backup file E:\IMG.003 opened for access. 12:38:09 Backup file E:\IMG.003 opened for access. 12:38:09 Backup file E:\IMG.003 opened for access. 12:46:54 Restore of drive 1: to drive 2: completed on Nov 27, 2001 12:4 13:25:22 Menu selections: Punction: Restore Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No Punction: Backup Direct access: No Use XBIOS: Yes Adjust partitions: No Backfill on restore: No Backup file F:\IMG.001 created. Backup file F:\IMG.001 created. Backup file comment record:		
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10:22:58 Backup file F:\IMG.001 created. Backup file comment record:		
Backup file comment record:		
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10:23:05 Backing up drive 2:		
to F:\IMG.001 on Dec 4, 2001 10:23		
10:23:07 Local SafeBack is running on DOS 7.10		10:23:07 Local SafeBack is running on DOS 7.10

Case DI-164 for	SafeBack 2.18
	Source drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255
	10:23:07 Partition table for drive 2:
	10:29:18 Backup file F:\IMG.002 created.
	10:35:30 Backup file F:\IMG.003 created.
	10:41:44 Backup file F:\IMG.004 created.
	10:48:02 Backup file F:\IMG.005 created.
	10:49:53 Backup file CRC: 30dleb6a.
	10:49:53 Backup of drive 2: completed on Dec 4, 2001 10:49. SafeBack execution ended on Dec 4, 2001 10:49.
	Safeback log: DI-164/SB_164R.TXT SafeBack 2.18 13Feb01 execution started on Dec 4, 2001 10:51.
	10:51:31 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	10:51:42 Backup file created on Dec 4, 2001 10:23
	by Gary Fisher Natl Institute of Standards & Technology
	Software Diagnostics & Con
	Backup file comment record:
	DI-164
	10:51:44 Backup file F:\IMG.001 opened for access.
	10:52:01 The destination drive capacity is smaller than that of the original source drive.
	10:52:12 Restore of drive 2: from F:\IMG.001 to drive 1: started on Dec 4, 2001 10:52
	10:52:12 Partition fixup has been disabled.
	10:52:12 Local SafeBack is running on DOS 7.10
	Source drive 2:
	Capacity8759 MB
	Cylinders1116
	Heads255 Destination drive 1:
	Capacity3079 MB
	Cylinders6256 Heads16
	11:02:08 Backup file F:\IMG.002 opened for access. 11:07:09 Restore of drive 2: to drive 1: completed on Dec 4, 2001 11:07
	11:07:56 Menu selections:
	Function: Restore
	Direct access: No
	Use XBIOS: Yes
	Adjust partitions: No
	Backfill on restore: No
	SafeBack execution ended on Dec 4, 2001 11:07.
	= = = Measurement Logs = = = =
	Sectors Compared 6306048
	Sectors Differ 0
	Diffs range
	Source (17938985) has 11632937 more sectors than destination (6306048) Hash after test: 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
Expected	Source disk is unchanged
Results:	src compares qualified equal to dst, src is truncated on dst
	truncation is logged
Actual	No anomalies
Results:	
Analysis:	Expected results achieved
-	

About the National Institute of Justice

NIJ is the research, development, and evaluation agency of the U.S. Department of Justice. The Institute provides objective, independent, evidence-based knowledge and tools to enhance the administration of justice and public safety. NIJ's principal authorities are derived from the Omnibus Crime Control and Safe Streets Act of 1968, as amended (see 42 U.S.C. §§ 3721–3723).

The NIJ Director is appointed by the President and confirmed by the Senate. The Director establishes the Institute's objectives, guided by the priorities of the Office of Justice Programs, the U.S. Department of Justice, and the needs of the field. The Institute actively solicits the views of criminal justice and other professionals and researchers to inform its search for the knowledge and tools to guide policy and practice.

Strategic Goals

NIJ has seven strategic goals grouped into three categories:

Creating relevant knowledge and tools

- 1. Partner with State and local practitioners and policymakers to identify social science research and technology needs.
- 2. Create scientific, relevant, and reliable knowledge—with a particular emphasis on terrorism, violent crime, drugs and crime, cost-effectiveness, and community-based efforts—to enhance the administration of justice and public safety.
- 3. Develop affordable and effective tools and technologies to enhance the administration of justice and public safety.

Dissemination

- 4. Disseminate relevant knowledge and information to practitioners and policymakers in an understandable, timely, and concise manner.
- 5. Act as an honest broker to identify the information, tools, and technologies that respond to the needs of stakeholders.

Agency management

- 6. Practice fairness and openness in the research and development process.
- 7. Ensure professionalism, excellence, accountability, cost-effectiveness, and integrity in the management and conduct of NIJ activities and programs.

Program Areas

In addressing these strategic challenges, the Institute is involved in the following program areas: crime control and prevention, including policing; drugs and crime; justice systems and offender behavior, including corrections; violence and victimization; communications and information technologies; critical incident response; investigative and forensic sciences, including DNA; less-than-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

In addition to sponsoring research and development and technology assistance, NIJ evaluates programs, policies, and technologies. NIJ communicates its research and evaluation findings through conferences and print and electronic media.

To find out more about the National Institute of Justice, please contact:

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