

SATA disks go MIA

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2007-12/msg04402.html>

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 - *Date:* Mon, 31 Dec 2007 16:23:37 -0500 (EST)
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Hello all and season's greetings.

I have a system which has 5 hard disks connected. Three are IDE and two are SATA. The IDE disks are performing fine but the SATA disks are a problem. I've had various issues with them ranging from being unable to write to them both disappearing from the system without even an error. Sometimes I do get an error though.

I had this motherboard & CPU pair working in a Windows XP box for a few months without issue. I say that hesitantly because there are a few brain cells murmuring in the back of my head but I can not find them to learn more.

Could this be a flaky SATA controller? Could it be some BIOS setting that needs tweaked? Or... As always, any help would be appreciated.

The system information is as follows:

```
Fedora Core 6
uname -a = Linux www 2.6.22.14-72.fc6 #1 SMP Wed Nov 21 15:12:59 EST 2007
i686 i686 i386 GNU/Linux
Motherboard: ASRock 775Dual-vsta
Chipset: VIA® PT880 Pro/Ultra Chipset
CPU: Intel Pentium D 915 Presler 2.8GHz LGA 775 Dual-Core
Processor Model BX80553915
Hard Drives: Western Digital Caviar SE16 WD5000AAKS 500GB 7200 RPM SATA
3.0Gb/s
```

Below is an example of an error message:

```
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Result:
hostbyte=DID_BAD_TARGET driverbyte=DRIVER_OK,SUGGEST_OK
Dec 23 12:14:41 www kernel: end_request: I/O error, dev sda, sector 58654863
Dec 23 12:14:41 www kernel: Buffer I/O error on device sda1, logical block
7331850
Dec 23 12:14:41 www kernel: lost page write due to I/O error on sda1
Dec 23 12:14:41 www kernel: Buffer I/O error on device sda1, logical block
7331851
Dec 23 12:14:41 www kernel: lost page write due to I/O error on sda1
```

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```
Dec 23 12:14:41 www kernel: Buffer I/O error on device sda1, logical block
7331852
Dec 23 12:14:41 www kernel: lost page write due to I/O error on sda1
Dec 23 12:14:41 www kernel: Aborting journal on device sda1.
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Result:
hostbyte=DID_BAD_TARGET driverbyte=DRIVER_OK,SUGGEST_OK
Dec 23 12:14:41 www kernel: end_request: I/O error, dev sda, sector 56475719
Dec 23 12:14:41 www kernel: Buffer I/O error on device sda1, logical block
7059457
Dec 23 12:14:41 www kernel: lost page write due to I/O error on sda1
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] READ CAPACITY failed
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Result:
hostbyte=DID_BAD_TARGET driverbyte=DRIVER_OK,SUGGEST_OK
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Sense not available.
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Write Protect is off
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Asking for cache data failed
Dec 23 12:14:41 www kernel: sd 0:0:0:0: [sda] Assuming drive cache: write
through
Dec 23 12:14:41 www kernel: journal commit I/O error
Dec 23 12:14:41 www kernel: ext3_abort called.
Dec 23 12:14:41 www kernel: EXT3-fs error (device sda1):
ext3_journal_start_sb: Detected aborted journal
Dec 23 12:14:41 www kernel: Remounting filesystem read-only
Dec 23 12:15:13 www kernel: Buffer I/O error on device sda1, logical block 2
Dec 23 12:15:13 www kernel: lost page write due to I/O error on sda1
Dec 23 12:15:13 www kernel: Buffer I/O error on device sda1, logical block
7045120
<snip>
```

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