I have been backing up whole disk image from Eee PC, and mounting it using loop file system to access partition in it. However, I have problems with GNU fdisk which reports 4Gb image as:

Disk /backup/eee/hda: 3 GB, 3997486080 bytes 255 heads, 63 sectors/track, 486 cylinders, total 7807590 sectors Units = sectors of 1 \* 512 = 512 bytes

Device Boot Start End Blocks Id System /backup/eee/hda1 63 4803435 2409718 83 Linux /backup/eee/hda2 4819563 7759395 1469947 83 Linux /backup/eee/hda3 7775523 7775460 0 c FAT32 LBA /backup/eee/hda4 7791588 7791525 0 ef EFI FAT

For a start, disk size is wrong:

\$ ls -al hda
-rwxrwxrwx 1 dpavlin root 4001292288 2008-01-20 00:59 hda

And then, even more wrong, offsets of partition seem to be wrong. When same image is examined using fdisk from util-linux, sectors are reported like this:

```
Disk hda: 0 MB, 0 bytes
255 heads, 63 sectors/track, 0 cylinders, total 0 sectors
Units = sectors of 1 * 512 = 512 bytes
Disk identifier: 0x332b332a
```

Device Boot Start End Blocks Id System hda1 63 4819499 2409718+ 83 Linux hda2 4819500 7775459 1477980 83 Linux hda3 7775460 7791524 8032+ c W95 FAT32 (LBA) hda4 7791525 7807589 8032+ ef EFI (FAT-12/16/32)

And this is correct (let's ignore size for now). I can verify this by mounting second file system as:

sudo mount hda 1 -o loop,offset=`expr 4819500 \\* 512`

This seems to be off-by-one error. There is <u>bug reported against Debian package</u> which seems related, but than again, in my case I'm examining same disk image.