Subject: Re: How to fasten formatted printf? Posted by Jeremy Bailin on Tue, 05 Jan 2016 16:34:30 GMT View Forum Message <> Reply to Message

On Monday, January 4, 2016 at 9:53:14 PM UTC-5, Craig Markwardt wrote:

- > On Monday, January 4, 2016 at 9:01:10 PM UTC-5, Yunfeng Tian wrote:
- >> Hi all,

>>

- >> I usually have over a thousand text files to write. Each file contains 9 columns and several thousand lines. The below is a test.
- >> For 1000 files, it will take over 2 minutes. I wonder whether there is a way to do it very quickly.

>

- > You are probably limited by I/O. You can investigate:
- 1. SSD or hybrid SSD drive
- 2. Some kind of "RAM disk"
- 3. Whether you can satisfy your requirements by writing unformatted binary files with WRITEU instead of formatted binary files with PRINTF.
- 3. Computer with better CPU and I/O throughput performance.
- > Other than using binary files, there's really nothing you can do to your IDL code to make it faster.

> Craig

If you need it ultimately in ascii, one option is to have IDL write it in binary and then post-process it with a simple C program, which should be able to do the I/O much faster.

-Jeremy.