

# OpenSourceGPS 1.16 Released, GNSS 2004, Documentation

**Source:** <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2004-09/1081.html>

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I have released version 1.16 on the website and to sourceforge.

Changes:

Added #ifdefs to allow compilation by DJGPP. So far it compiles but does not run. I think it is a problem with the ISR.

Setup use of PCI interface for Doug Baker's GPS1005 PCI board version. It automatically checks for the PCI board, if not found it defaults to the ISA interface. Modified the almanac read logic to check when a new almanac is available.

We are working on getting a room to meet in after the sessions on Thursday at GNSS 2004. If anyone would like to make a presentation on their project we will ask that the projectors be available. Afterward we'll find someplace to get a bite to eat and have a beer. I believe the Rock Bottom is nearby, I'll check into it.

A new documentation page has been added to the website with links to pdf files documenting OpenSourceGPS. It has many holes in it but it is a start. Anyone who wants to contribute is most welcome. Probably the most pressing need is to document the math and code of the tracking loops. If anyone has ideas on how to change the loops to make this job easier please let me know. The current loops are very simple and the coefficients were essentially set by trial and error.

Best regards,

Cliff