Compute for Science

Language

- BOINC lets you help cutting-edge science research using your computer. The BOINC app, running on your computer, downloads scientific computing jobs and runs them invisibly in the background. It's easy and safe.
- About 30 science projects use BOINC. They investigate diseases, study climate change, discover pulsars, and do many other types of scientific research.
- The BOINC and Science United projects are located at the University of California, Berkeley and are supported by the National Science Foundation.

START COMPUTING!

To contribute to science areas (biomedicine, physics, astronomy, and so on) use Science United. Your computer will help current and future projects in the areas you choose.

Join Science United

Or download BOINC and choose specific projects. This will let you participate in competitions and systems like Gridcoin.

Download BOINC

News from BOINC Projects

[SETI@home] SETI@home papers accepted for publication

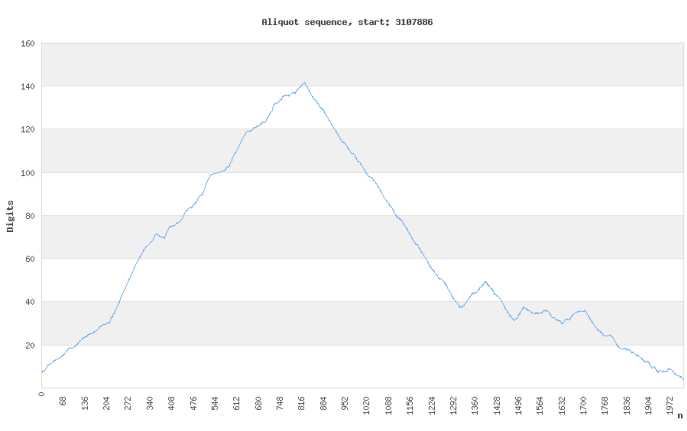
Two papers on SETI@home will be published in The Astronomical Journal, a well-regarded scientific journal:

- SETI@home: Data Acquisition and Front-End Processing describes SETI@home's data recorder, splitter, and client program. It covers the five detection types, their parameters and statistics, and the algorithm for finding them.
- SETI@home: Data Analysis and Findings describes the back end (Nebula) and its results: RFI removal, candidate finding and ranking. It explains how artificial signals, or 'birdies', were used to optimize algorithms and estimate overall sensitivity.

For details, see an entry in the Nebula blog.
View article · Wed, 18 Jun 2025 03:23:30 +0000

[YAFU] Aliquot sequence 3107886 has terminated!!!

Aliquot sequence 3107886 has terminated!!!



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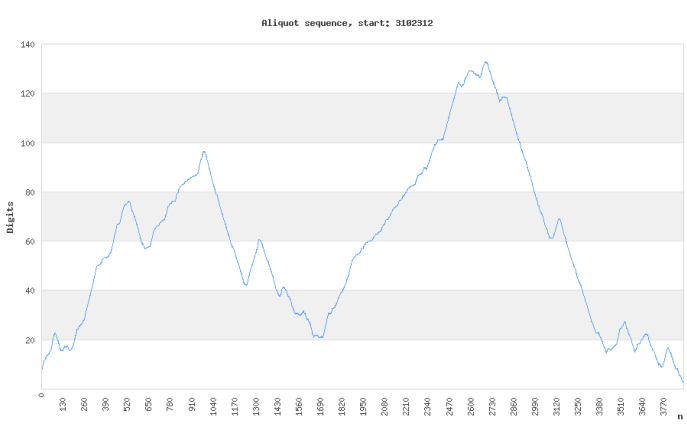
[YAFU] Aliquot sequence 3102312 has terminated!!!

Aliquot sequence 3102312 has terminated!!!



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Scientists:

- Create and maintain a BOINC project.
- Run Autodock Vina jobs with BOINC Central and Raccoon2

Programmers:

- Visit the BOINC github repo

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News

Lines of code visualization

Vitalii made a visualization of the number of lines of code in BOINC going back to 2002.
16 Mar 2025, 9:07:20 UTC · Discuss

Grafana project dashboards

Check out Grafana project dashboards showing time-varying graphs of project info such as number of unsent and in-progress jobs.
15 Feb 2025, 21:03:13 UTC · Discuss

Contributor history video

Vitalii made a video showing the top 25 BOINC committers, based on CVS, Subversion and Git data, every month going back to 2002.
2 Jan 2025, 3:33:26 UTC · Discuss

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News is available as an RSS feed

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