# Doing QA at OpenOffice.org

by

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# Agenda

- About the speaker
- Doing QA at OpenOffice.org
  - facts about what we've done so far
    - Statistics about the QA team
    - Statistics about OpenOffice.org (IssueTracker statistics)
  - contributing as QA member
  - confirming issues
  - available types of OpenOffice.org automation
  - doing localization QA
  - working together with OpenOffice.org port contributors
  - About IssueTracker keywords
  - writing and using testplans
  - Releases
  - Developer Builds
  - QA events (bug day events, discussion about timezones, using IRC)
  - Introduction in Automated GUI Testing (follow-up by Joerg Sievers)
- Conclusion/questions

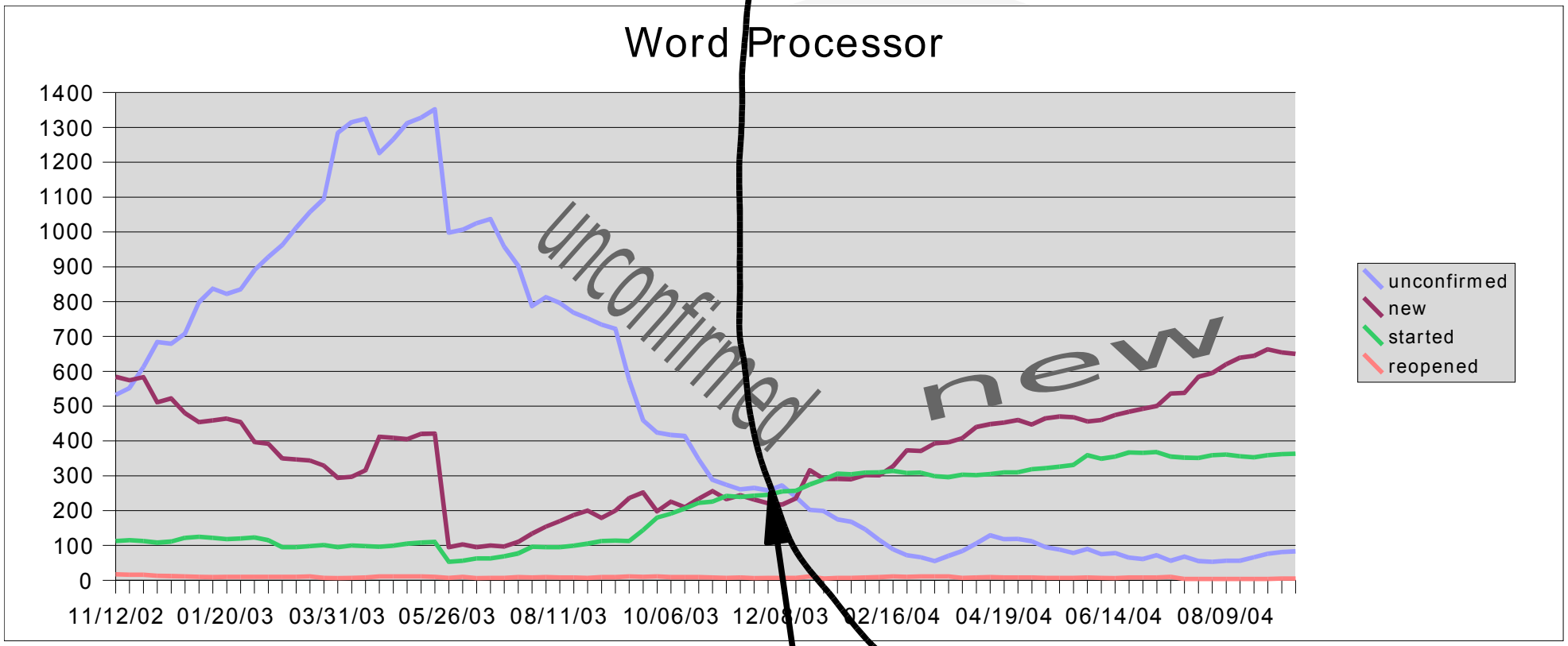
# About the speaker

- Joost Andrae
  - QA & Coordination, Hamburg dev. team
  - since 1995 working at Hamburg dev. team
  - QA & testing of StarCalc, StarMath, StarChart, Sun ONE Webtop
  - Contributor of OpenOffice.org QA project
  - Doing OOo release build tests of most of OOo master & snapshot builds
  - performance measurements (StarOffice)
  - QA&testing „UNIX printing“
  - Coordination of Early Access programs

# team statistics

- Statistics about the work done by the QA team

  based on http://qa.openoffice.org/files/documents/77/1395/iz_statistic_2.sxc



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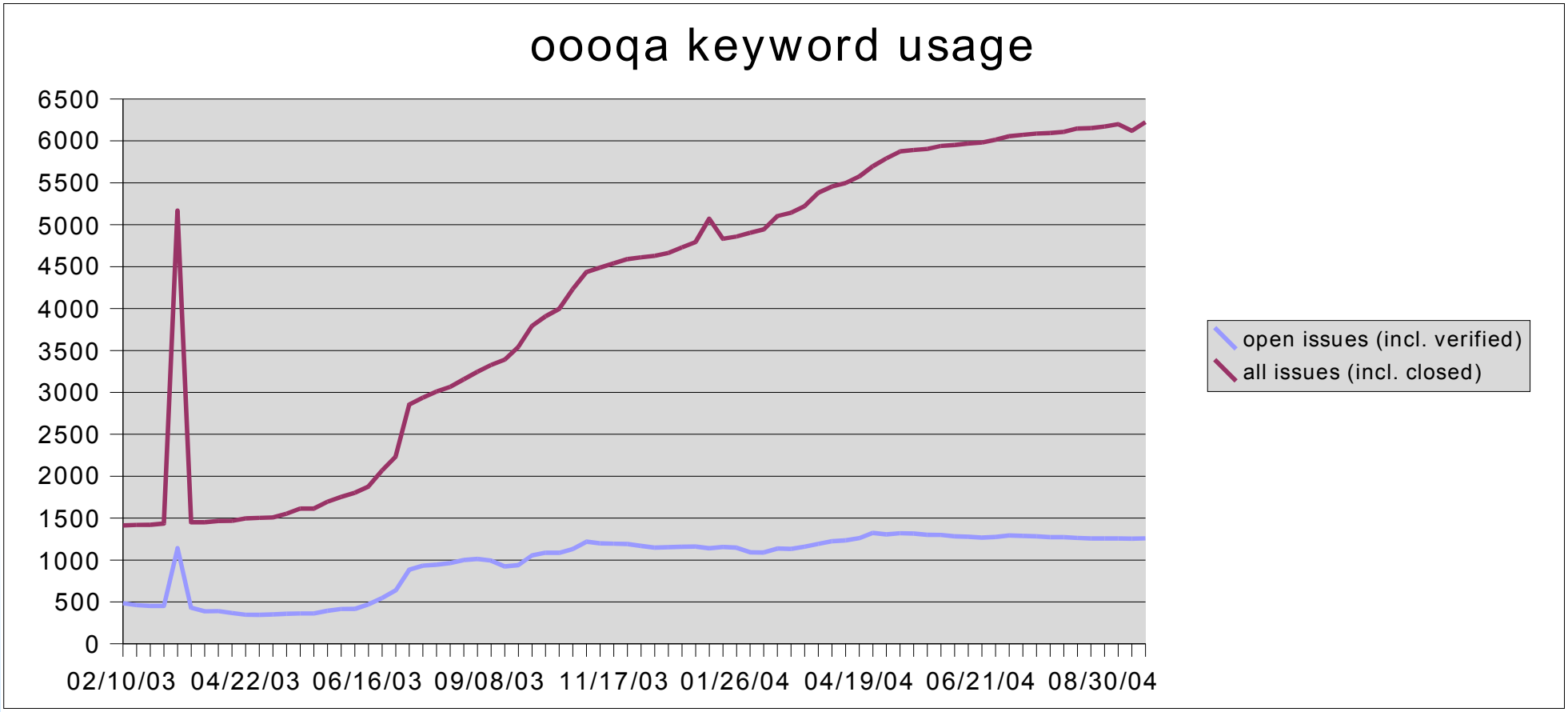

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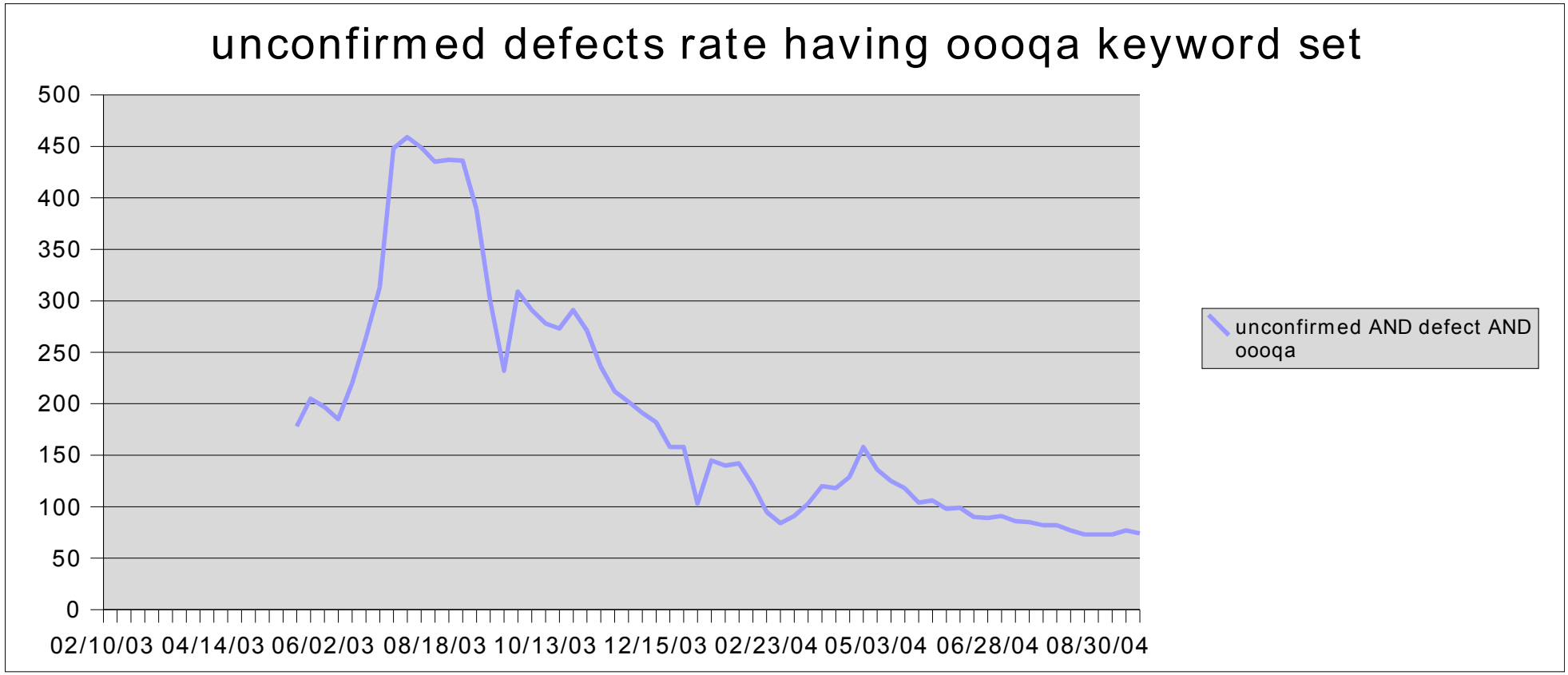

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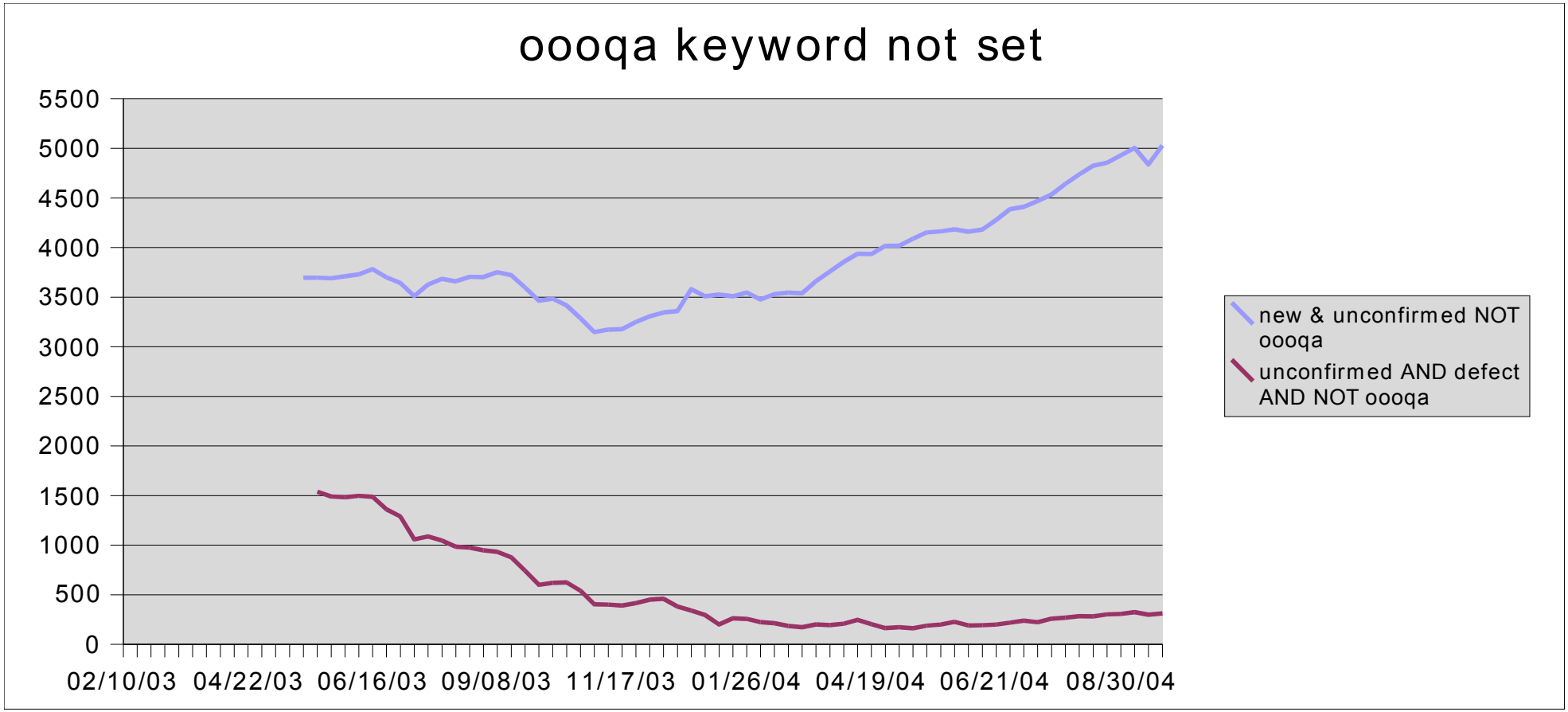

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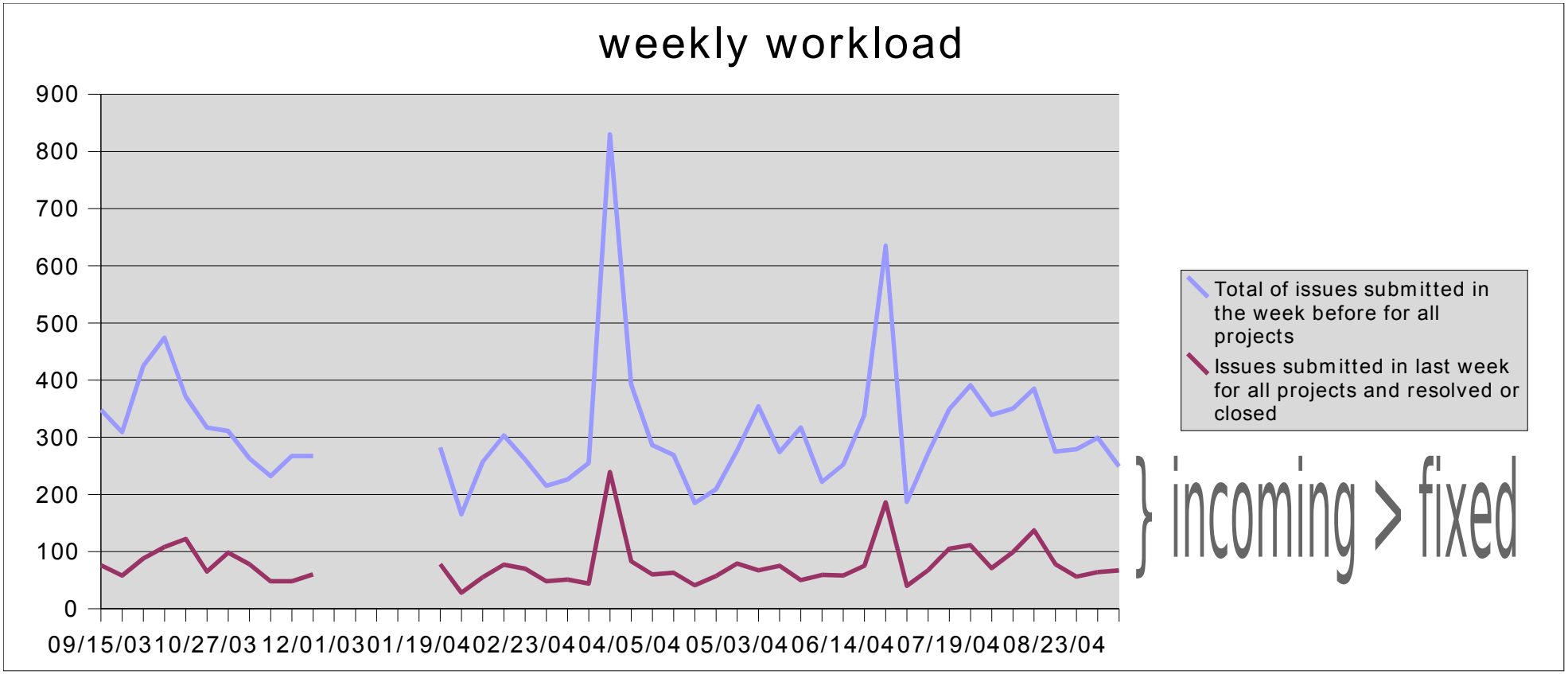

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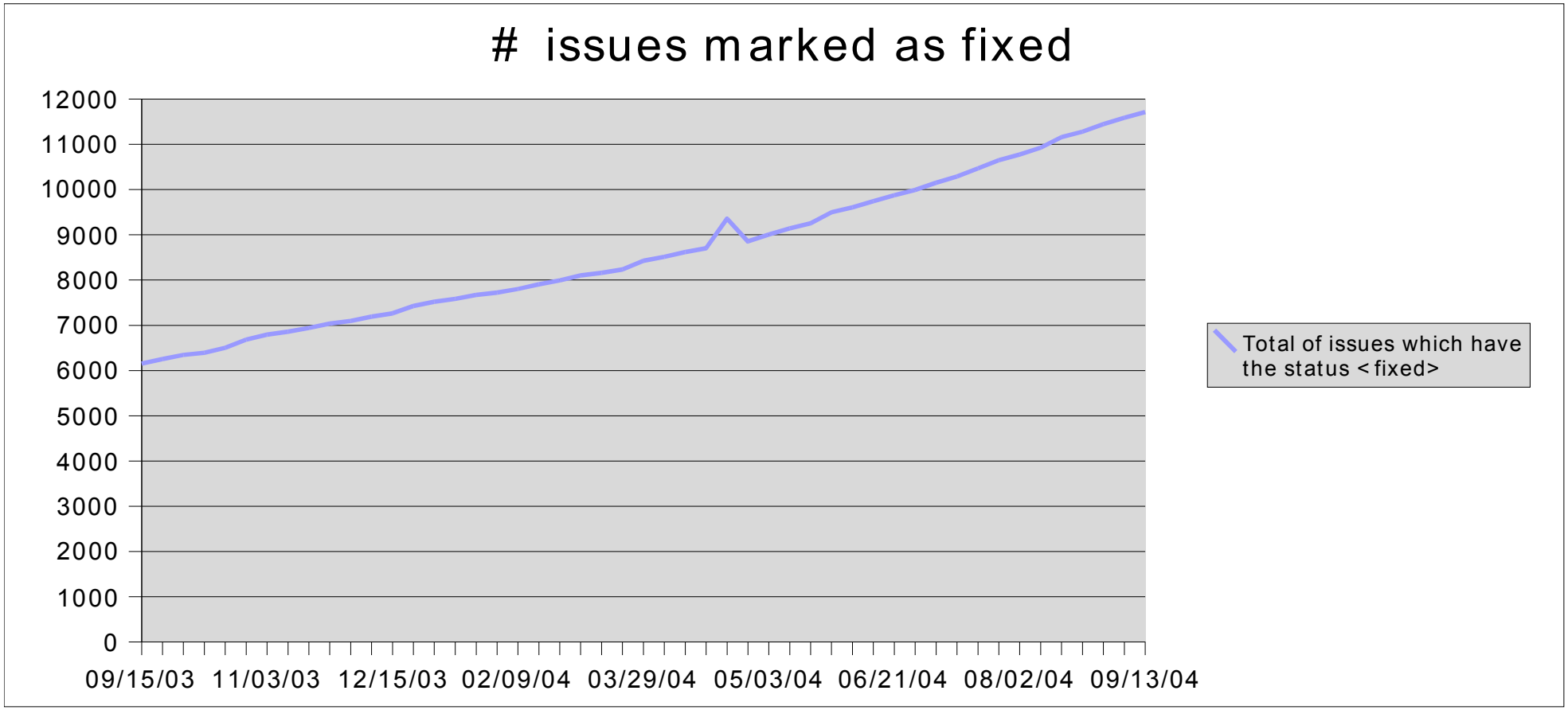


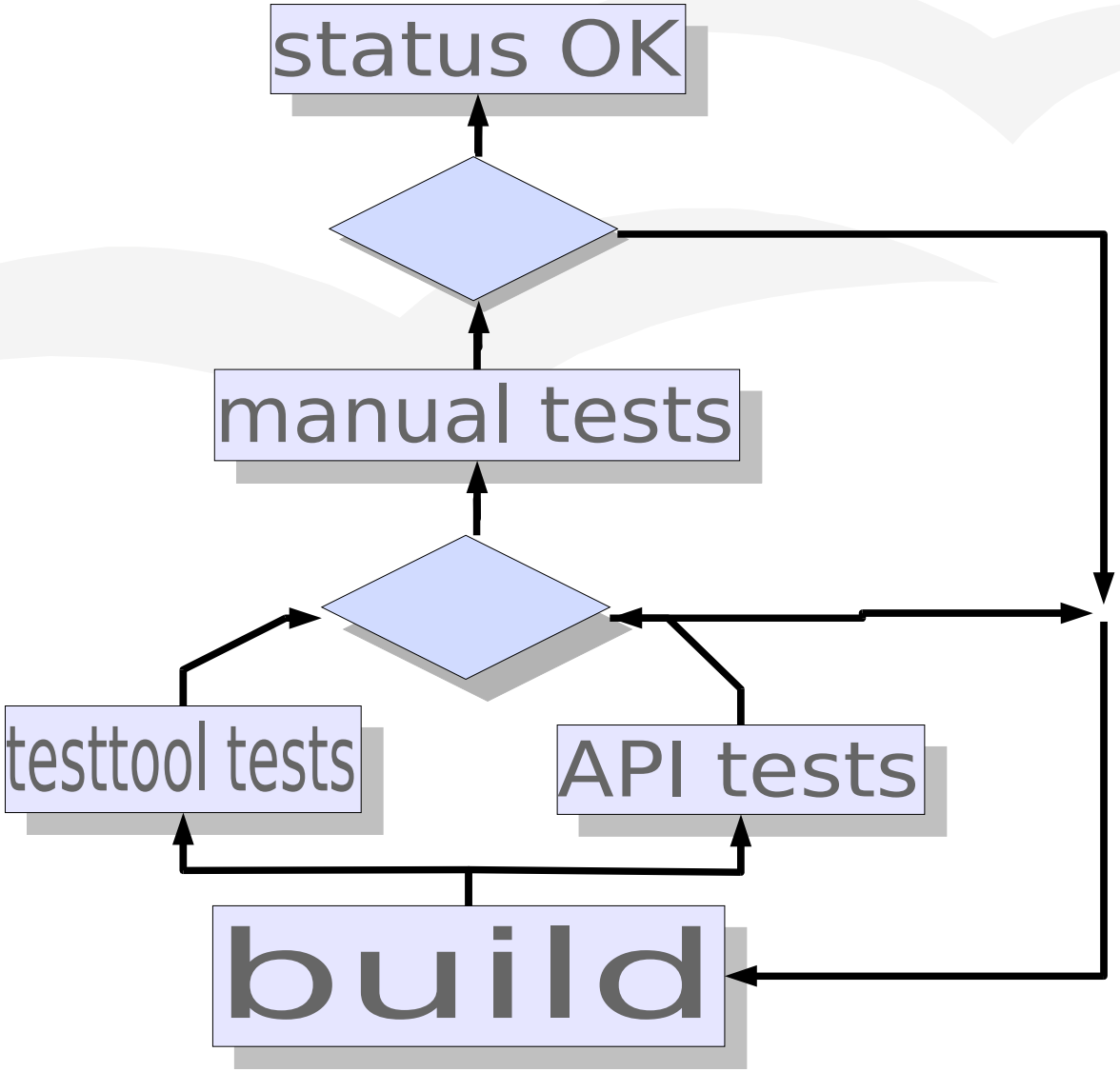
- Contributing as a QA member
  - What can you do to contribute to the project ?
    - confirming issues
    - writing test plans (more to come soon)
    - doing manual tests based on test plans
    - doing automated tests based on API scripts
    - doing automated GUI tests based on testtool scripts
    - communicate within QA mailing list (help others)
    - doing IssueTracker statistics ;-)
    - localization testing
    - testing on ports (Mac OSX, Free BSD, PPC Linux)
    - helping with knowledge within special areas (mostly platform dependend)

# Confirming Issues

- What do I need to do to confirm issues
  - get an **OpenOffice.org** account and register at the **QA** project
  - **read** instructions at **http://qa.openoffice.org/helping.html**
  - send an email to **dev@qa.openoffice.org** mailing list with a header containing the subject line **Volunteer Privileges - <Your OpenOffice.org Userid Here>** to get additional privileges to confirm issues
  - communicate with others about issues where you need help

# OpenOffice.org Automation

- There are different ways to automate tests
  - manual tests
  - automated GUI tests (testtool)
  - automated API tests



- What could be done to help localizations ?
  - Get in contact to localization team lead to coordinate QA efforts.
  - localized resources need to be tested (using the testtool)

broken resource files can crash the application

# Testing OOo ports

- What can be done to help porters ?
  - Get in contact with the porters. (eg. ask them on **dev@porting.openoffice.org**)
  - try to do the whole QA cycle (manual and automated QA)
  - please give status at **dev@qa.openoffice.org**

# Issue[Zilla,Tracker] keywords

- Which keywords can be used by QA ?
  - **crash** (can be set to identify this issue as crash)
  - **needhelp** (someone needs assistance in whatever form)
  - **needmoreinfo** (submitter has to provide more information)
  - **oooqa** (this issue has been touched by OOo QA team member)
  - **regression** (feature got broken compared to an older version)
  - **valgrind** (if you find a bug using valgrind then set this keyword)

# Testplans

- About testplans (test case)
  - manual tests
  - automated tests (most test cases should be automated)

a test case describes **step by step** what to test

testplans should be **readable**

all features within a **specification document** should have a testplan

we (Sun) plan to provide testplans soon

# Testing release candidates

- What can be done to test release candidates ?
  - Have a look for announcements of new release candidates on the releases list
  - A release candidate should be stable
  - If you find important (show stopper) issues within a RC then please communicate the issue ID to **releases@openoffice.org** to get them addressed with higher priority

# Testing developer builds

- What can be done to test developer builds ?
- look here

  **http://download.openoffice.org/680/index.html** to get the latest 2.0 developer snapshot
  - These builds can be **unstable**
  - Please read **release notes** carefully
  - **file bugs** to get them addressed before the 2.0 release

# QA events

- 'Bug day' event
  - Party time after successful negotiation on dev@qa

# Conclusion

- Any Questions ?

# Links & questions

- OpenOffice.org (http://www.openoffice.org)
- QA project (http://qa.openoffice.org)
- How to help (http://qa.openoffice.org/helping.html)
- QA mailing list (dev@openoffice.org)
- Releases mailing list (releases@openoffice.org)
- Porting mailing list (dev@porting.openoffice.org)
- L10N mailing list (dev@l10n.openoffice.org)
- IRC channel (irc://irc.freenode.net#qa.openoffice.org)

# Questions?