System Tests

What are we using the systems tests for?

Users: Tool to help you find the right release tag.

Place to document releases.

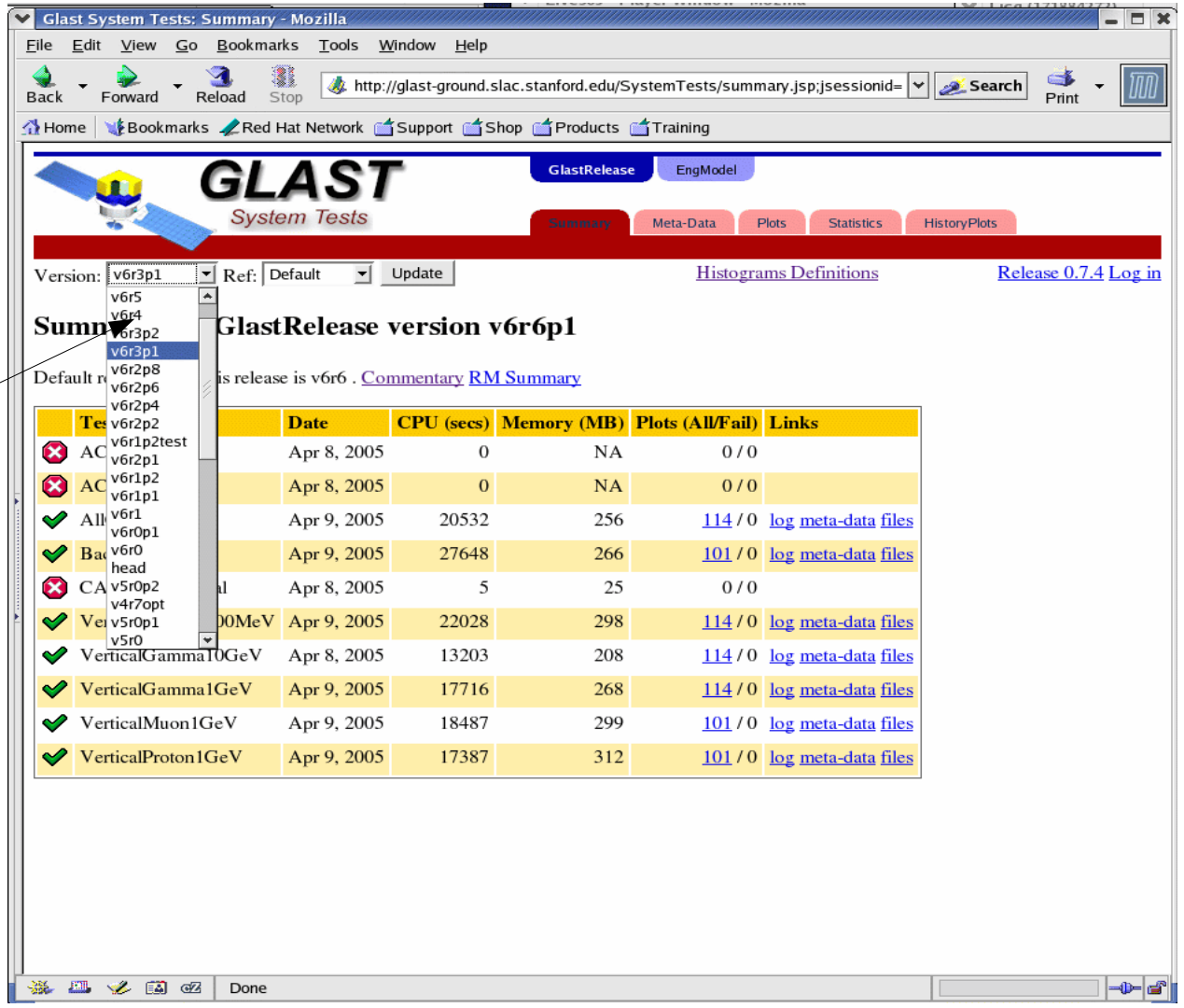
or

Developers: Find bugs/test

I have been focussing mostly on developing systests as a tool for users. So tests are mostly run just on release tags and I assume that changes have been independenly tested by the subsystems.

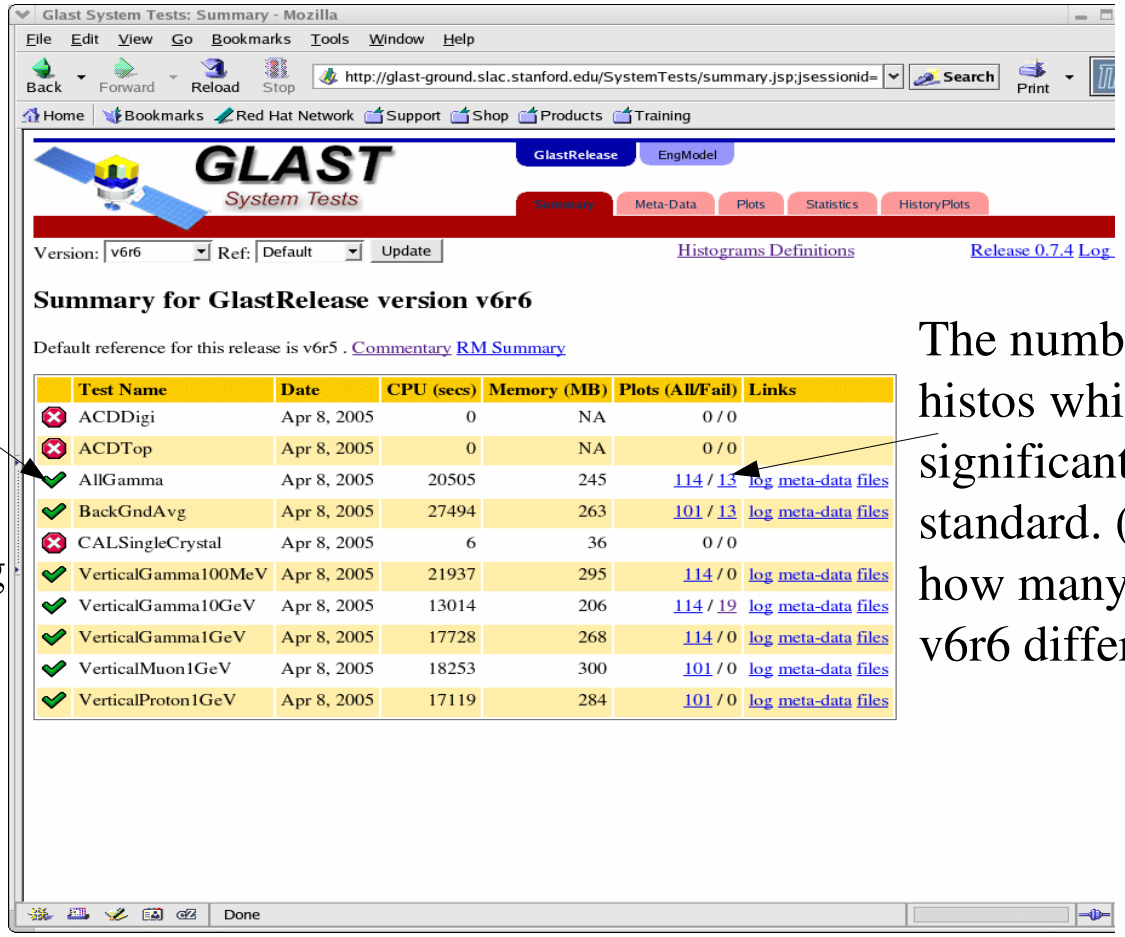
Systest Webpage

Select the release you are interested in.



Systest Webpage

The tick or x currently indicate whether all steps of the systests ran, it does not denote whether the test “passed” or “failed”. A ? in this column means that the systest is currently running

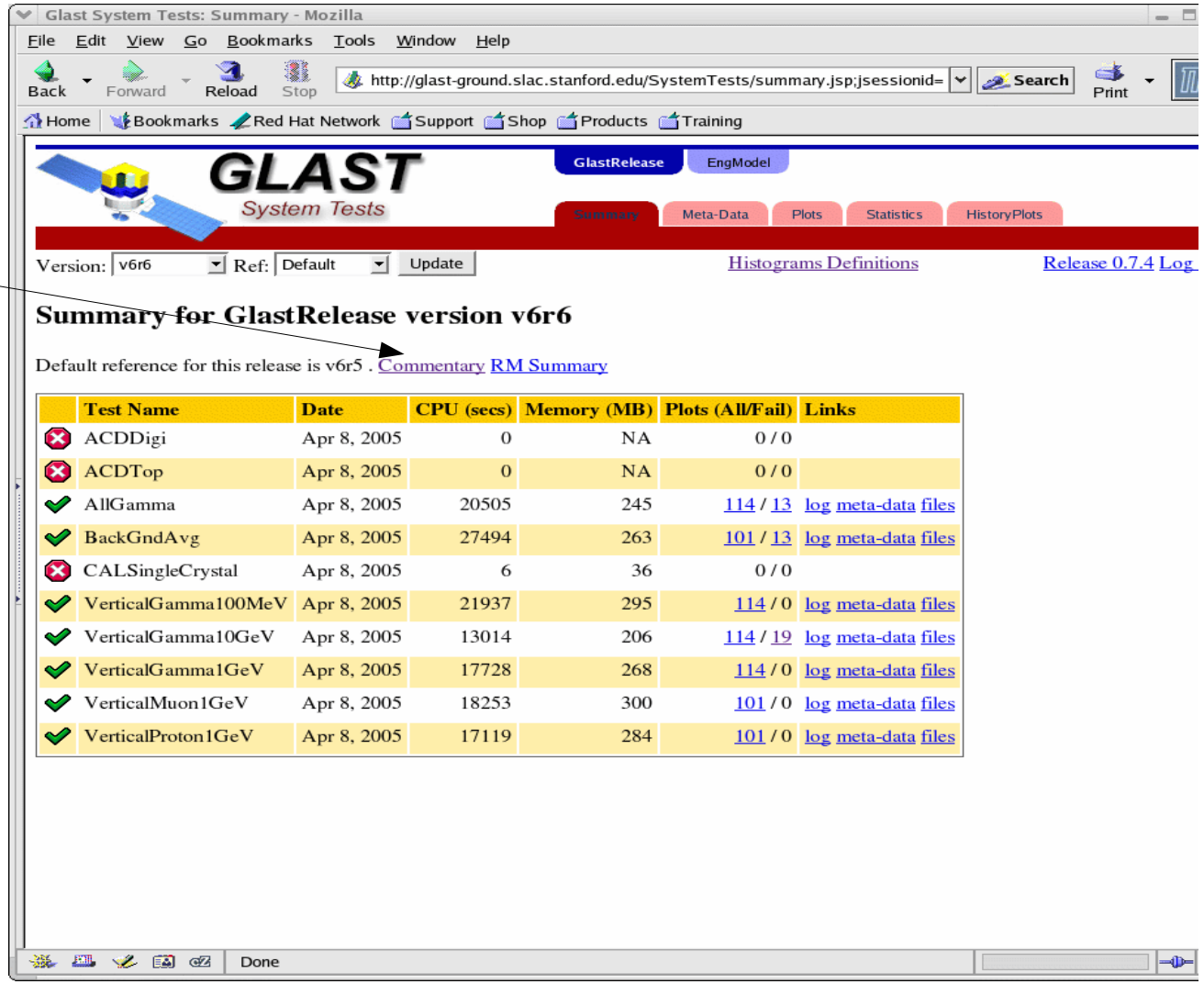


The number of histos which differ significantly from the standard. (in this case how many plots from v6r6 differ from v6r5)

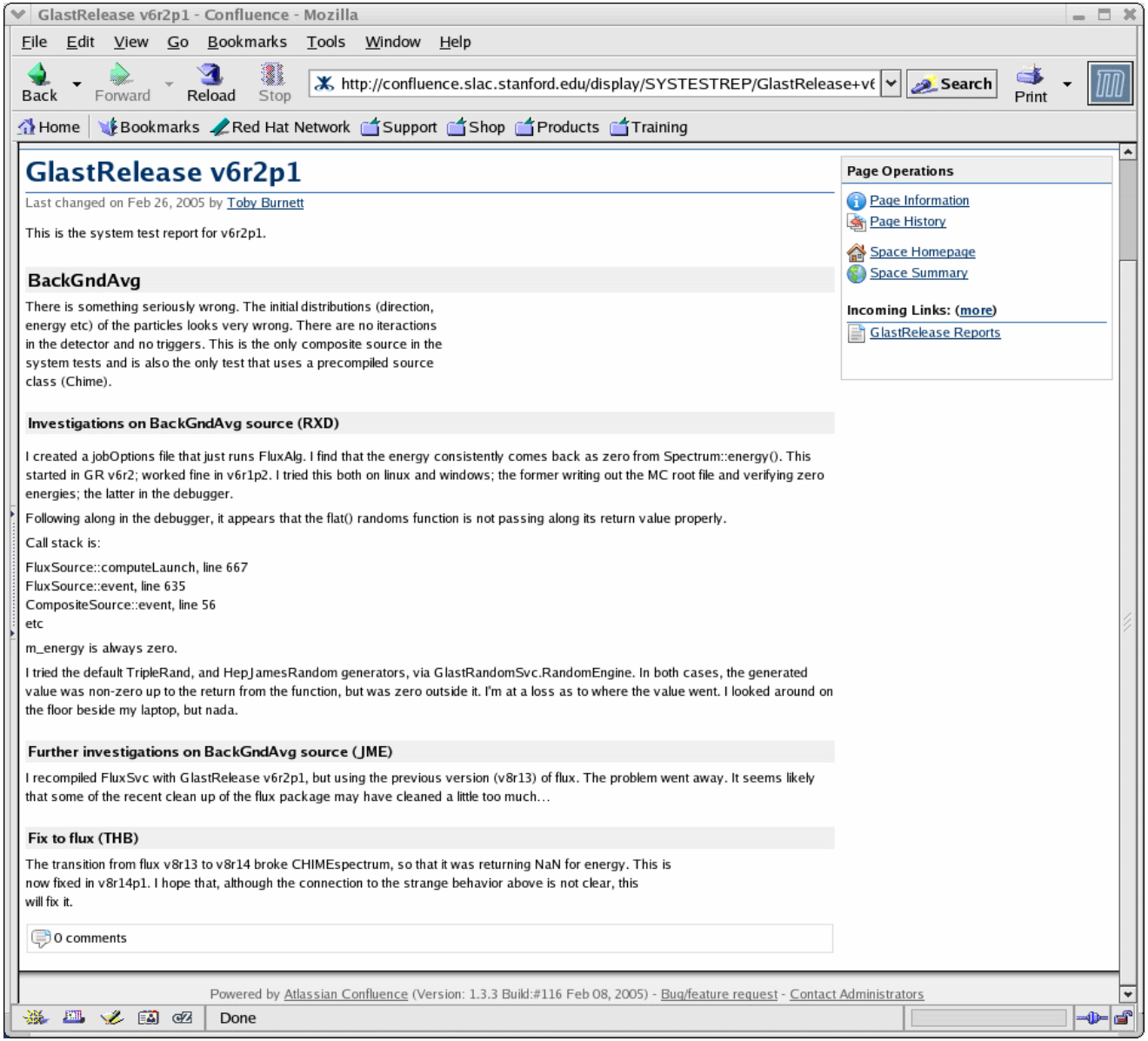
We could change the meaning of the left hand column so that it does indicate whether the systests have passed or failed. Passed could be defined as all either histos are consistent with the standard or the changes are understood to be benign.

Commentary

To find out more about a particular release you can click on the commentary link.

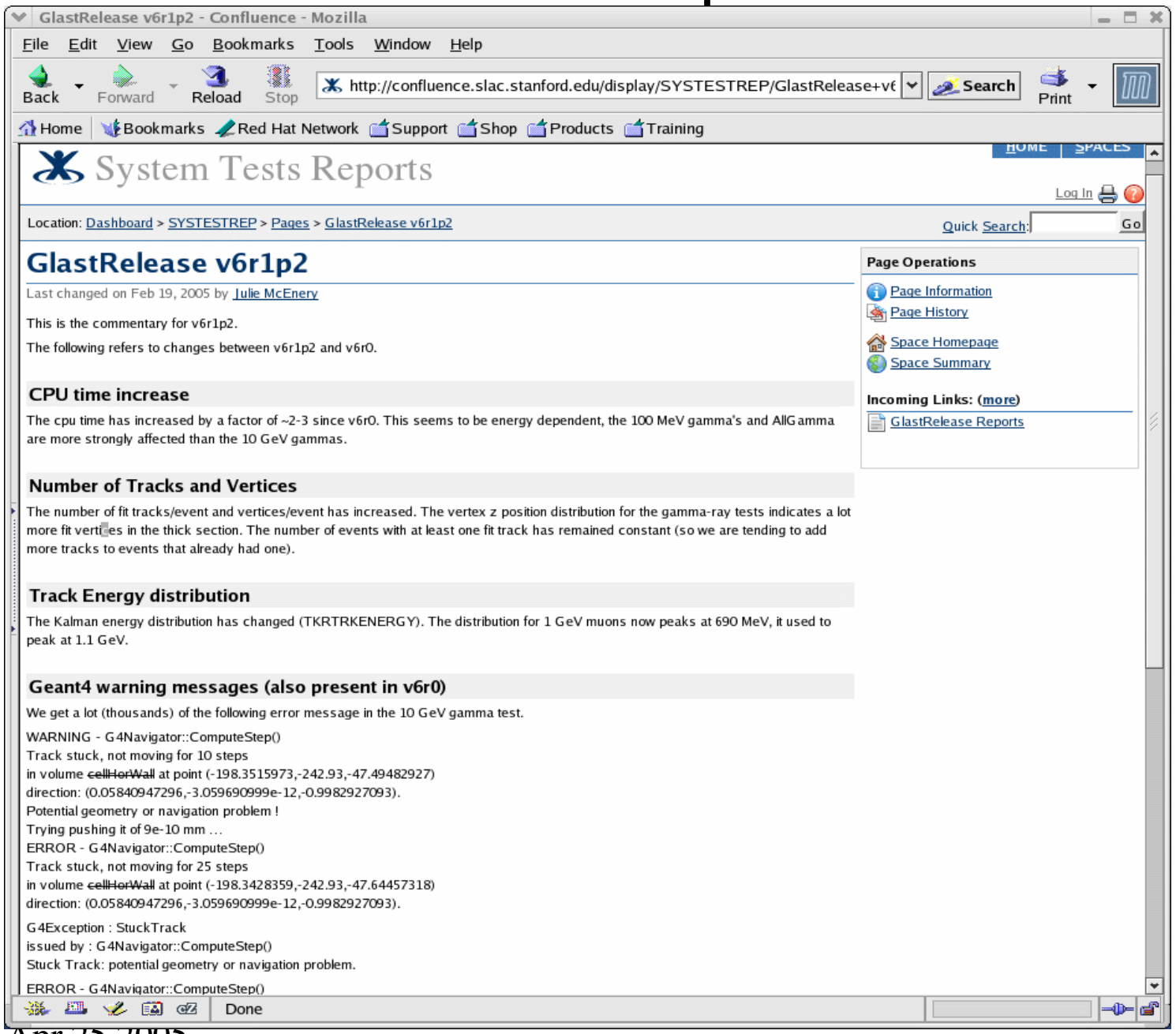


Commentary example

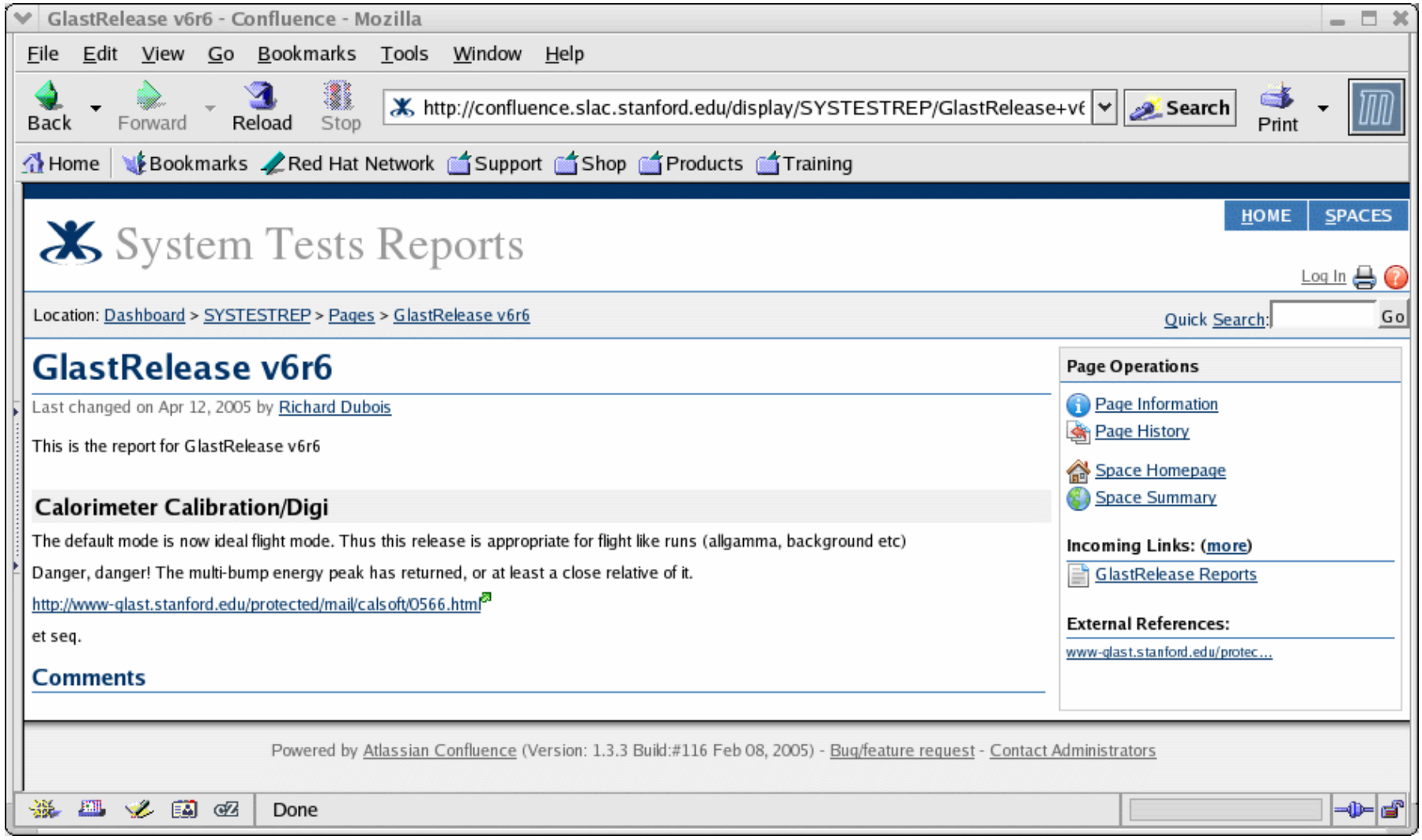


System Tests, Apr 25 2005

Another example



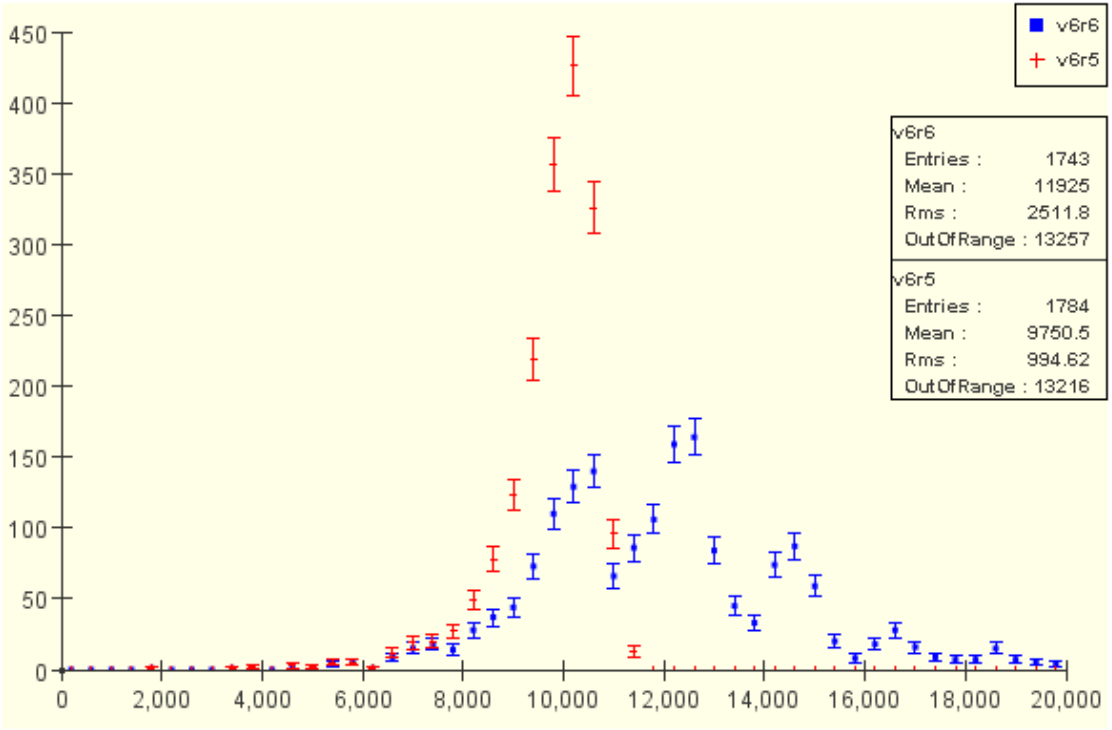
Yet another example



Four bump bug back...

10 GeV Vertical Gamma

This was visible in the system tests, but was independently discovered by Bill. Are developers looking at the systests?



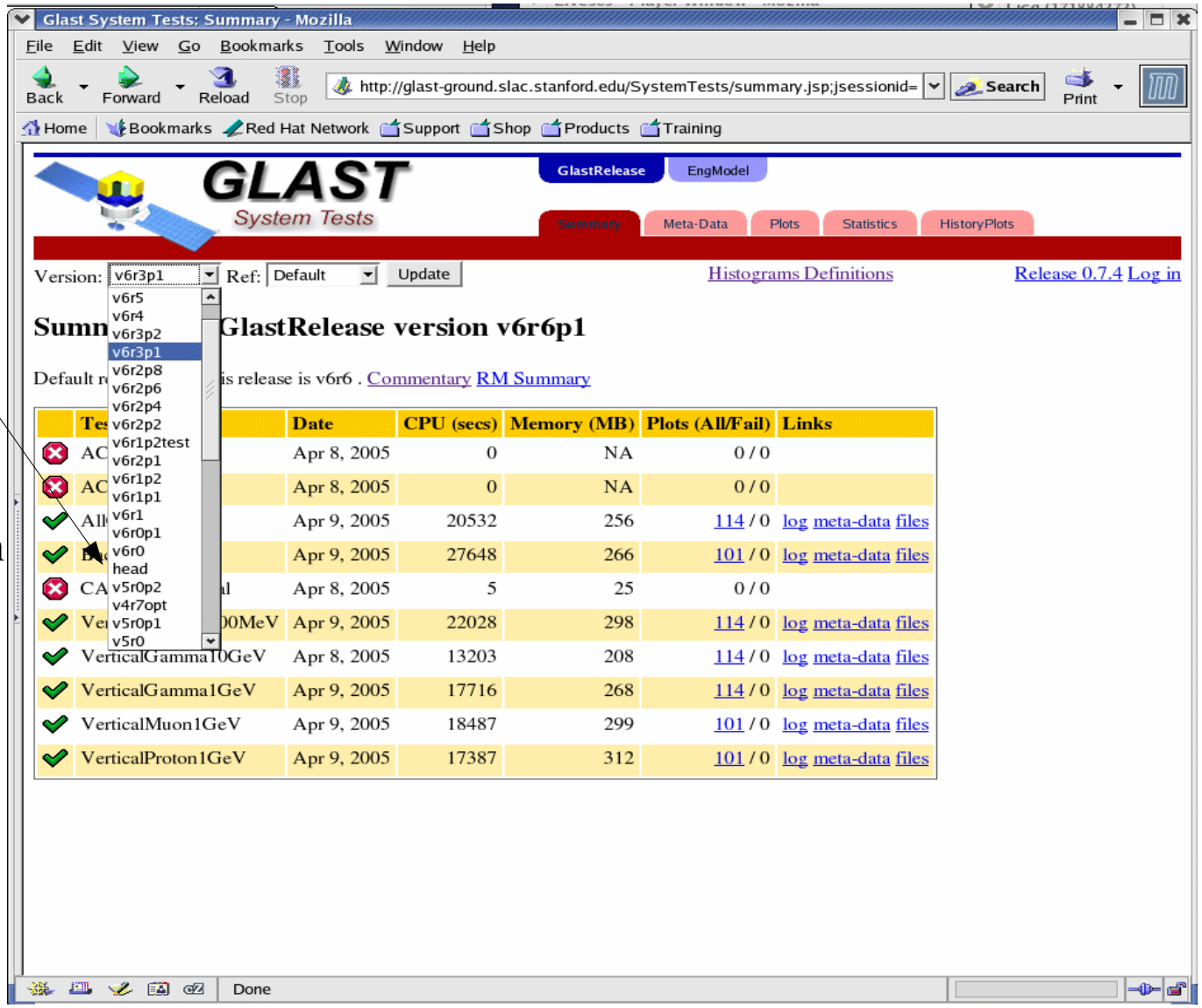
Last Layer corrected energy

This bug is still present in v6r6p1. It seems a little dangerous to go several weeks where the most recent tagged release of GlastRelease has a known bug.

Head builds

Systests can be run on any head build (so you do not need to wait for a release to see systest plots). Only one head build available at a time (or the drop down list would become unusable).

We are not running systests on the new "weekly" builds (to avoid cluttering the menu). For now, we will hold off on automating the running of the systests until we come up with a method for handling these releases.



A final word

The reports/commentary is not as detailed as it should be.

Encourage anyone who spots something odd with a release to document it there. Then the explanation will be available to all.

Or suggestions on better ways to describe problems/features of a particular release would be welcome.