CI System Updates

LArSoft Coordination Meeting

April 25, 2017

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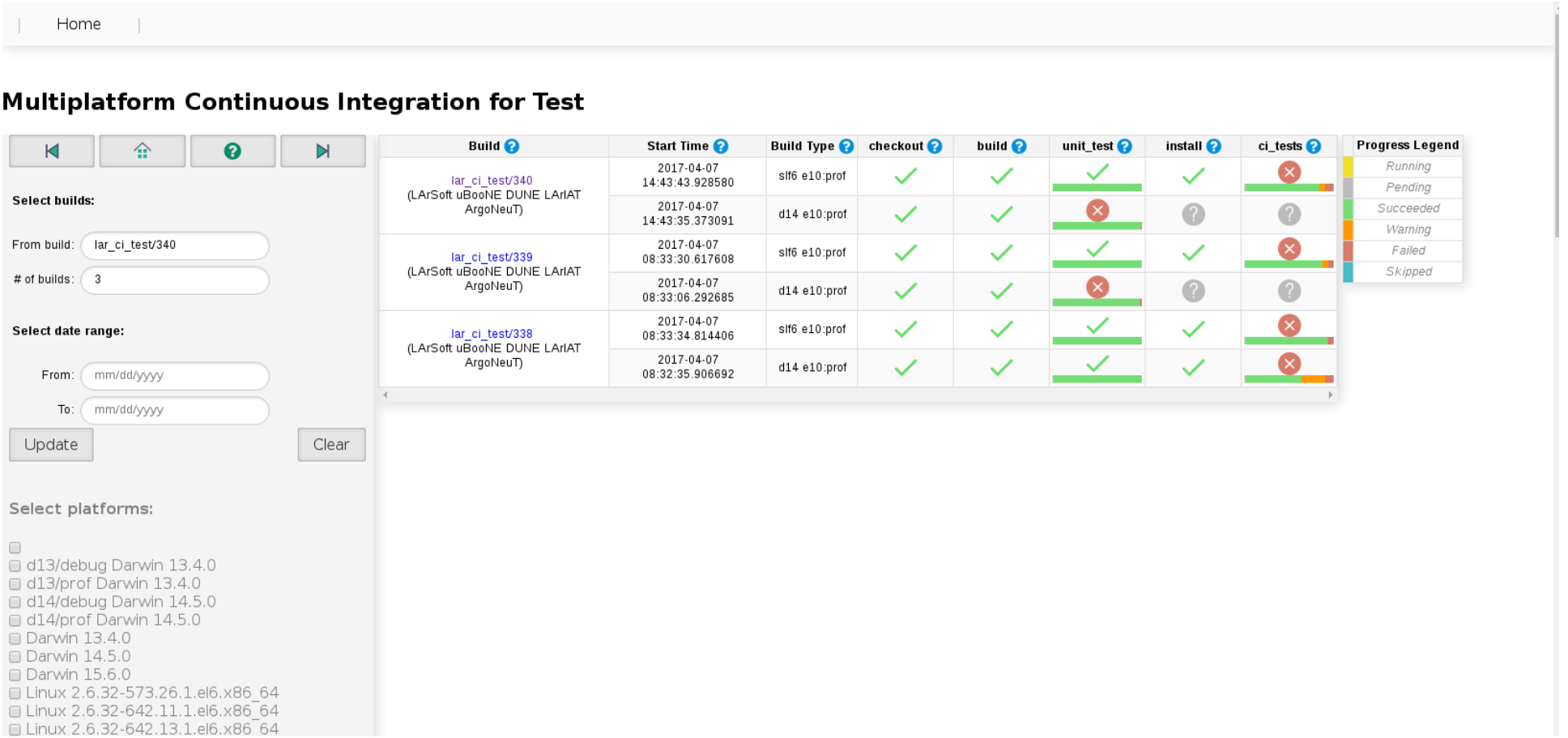
(Fermilab)

Outline:

- **New CI release will be deployed on April 26**
- **New features in the CI system:**
  - support for core dump analysis of CI/unit test that crashes;
  - Support to recover CI tests grid (aka validation) phase;
  - Improved CI web application.

The CI web application

- **CI web application:**



The CI web application

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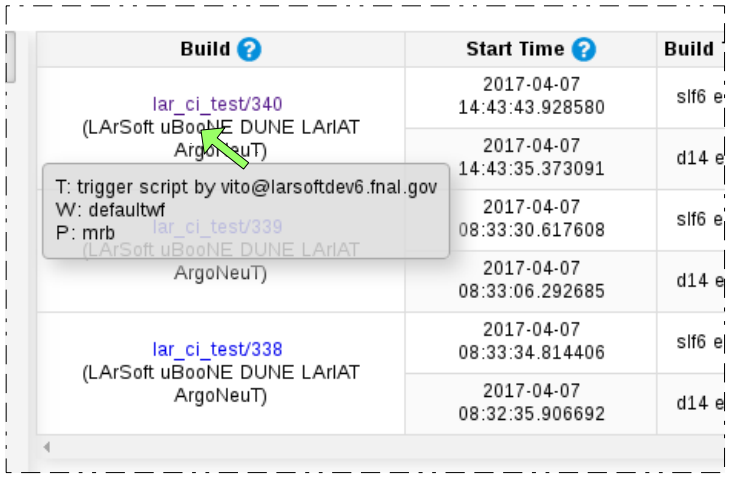

- Hovering the mouse on the “ci_test” box you will get a tooltip that shows:
  - Trigger reason (T:)
  - Workflow (W:)
  - Personality (P:)

The CI web application

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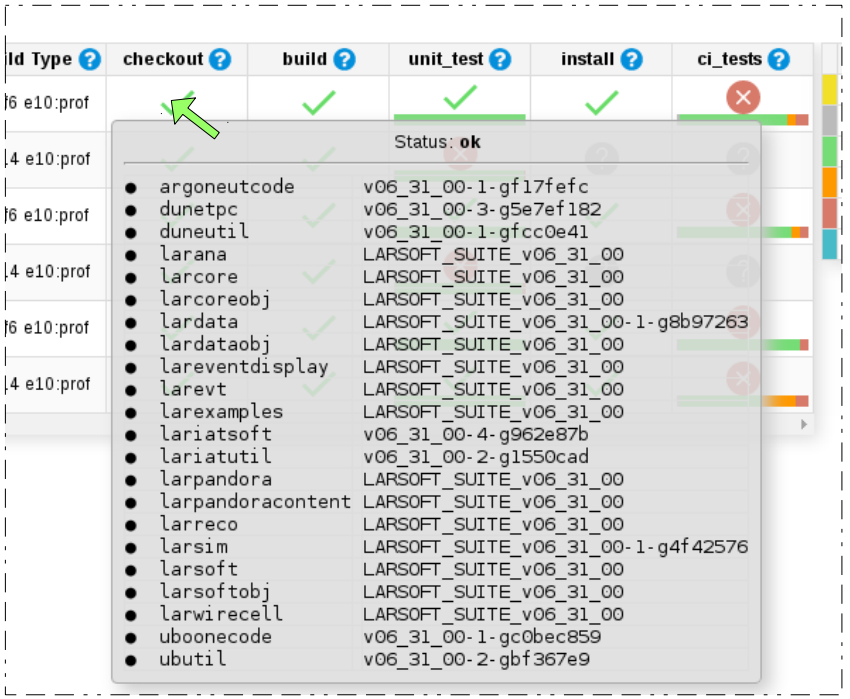

- Hovering the mouse on the “checkout” box you will get a tooltip that shows:
  - repository name
  - git description revision

The CI web application

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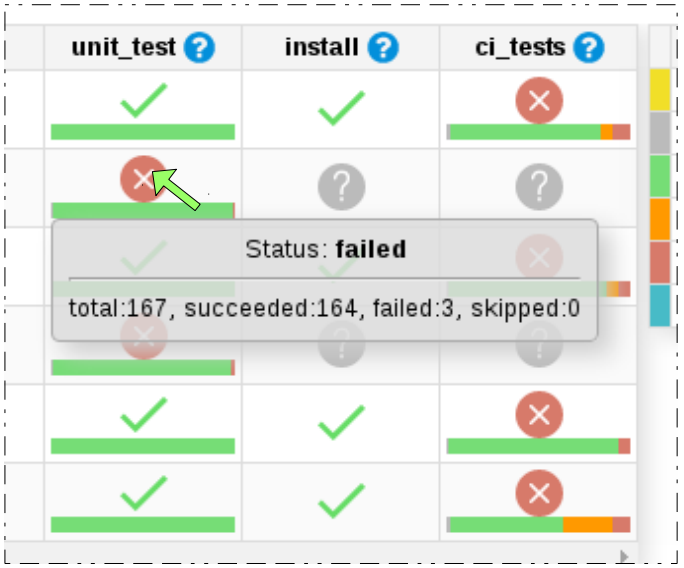

- Hovering the mouse on the “unit_test” box you will get a tooltip that shows:
  - Unit tests stats:
    - total number;
    - succeeded;
    - failed;
    - skipped.

The CI web application

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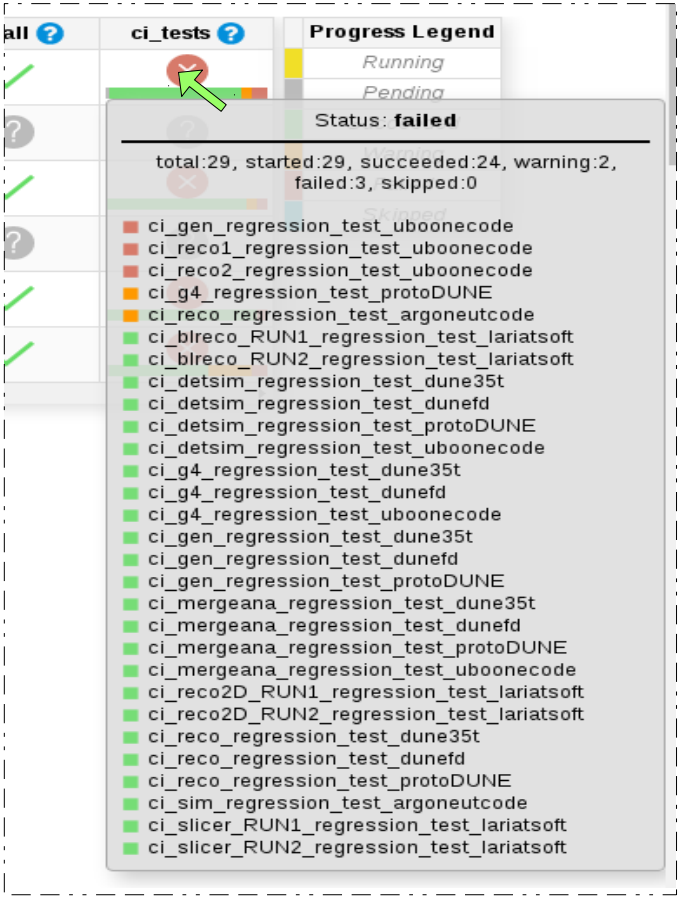
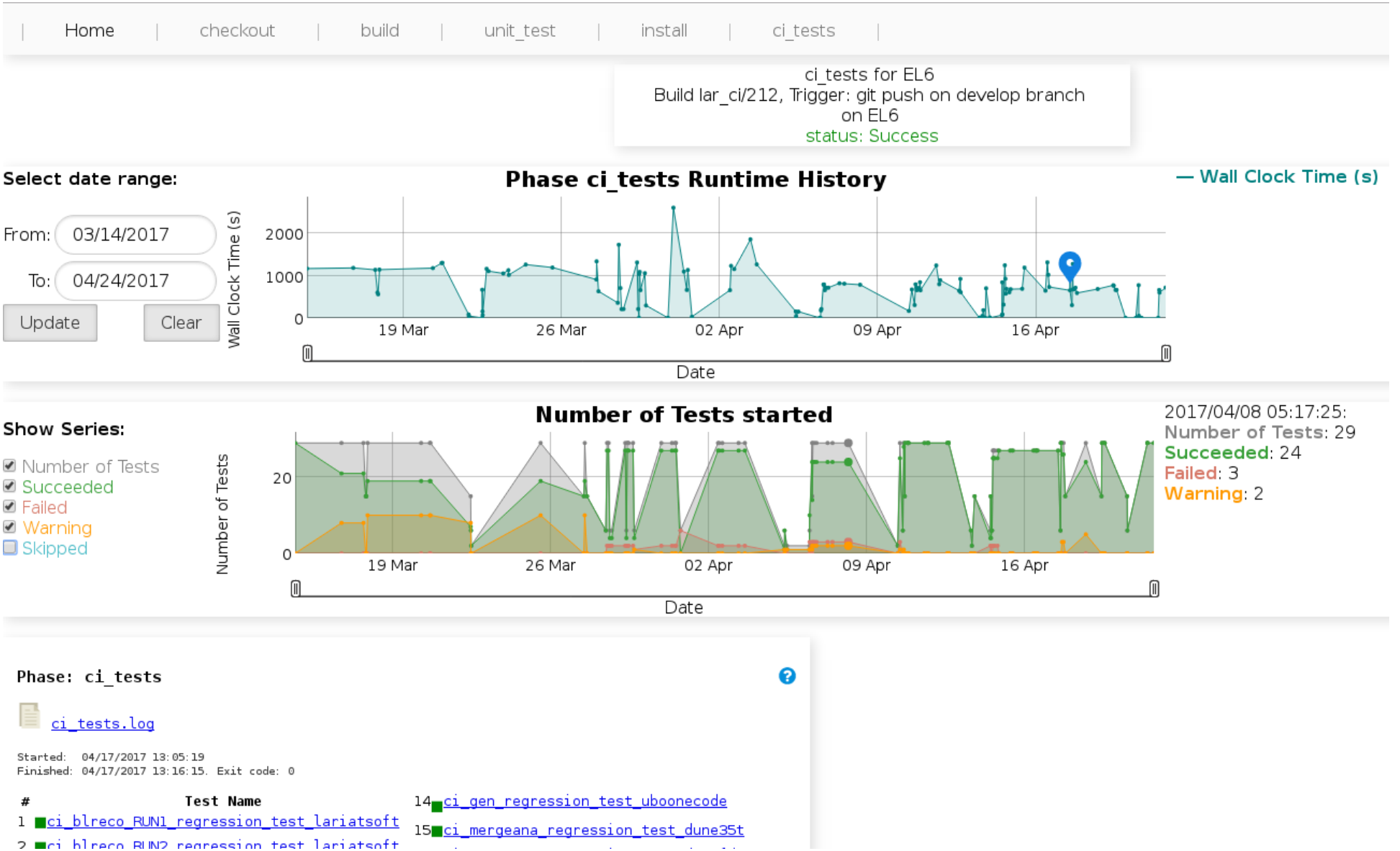


- Hovering the mouse on the “ci_test” box you will get a tooltip that shows:
  - CI tests stats:
    - total number;
    - succeeded;
    - warning;
    - failed;
    - Skipped.
  - Summary of CI tests status.

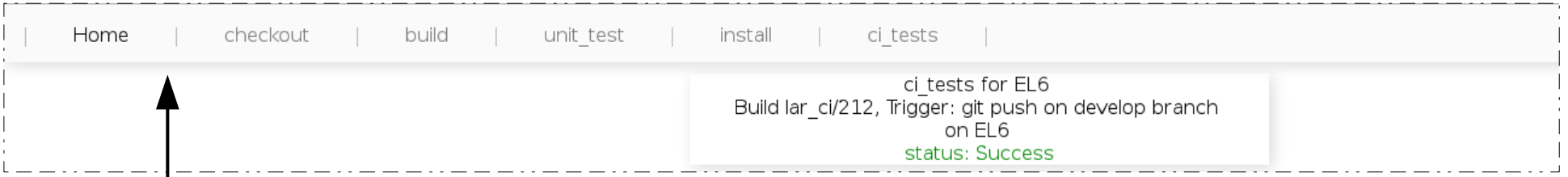
The CI web application

- **CI test view**



The CI web application

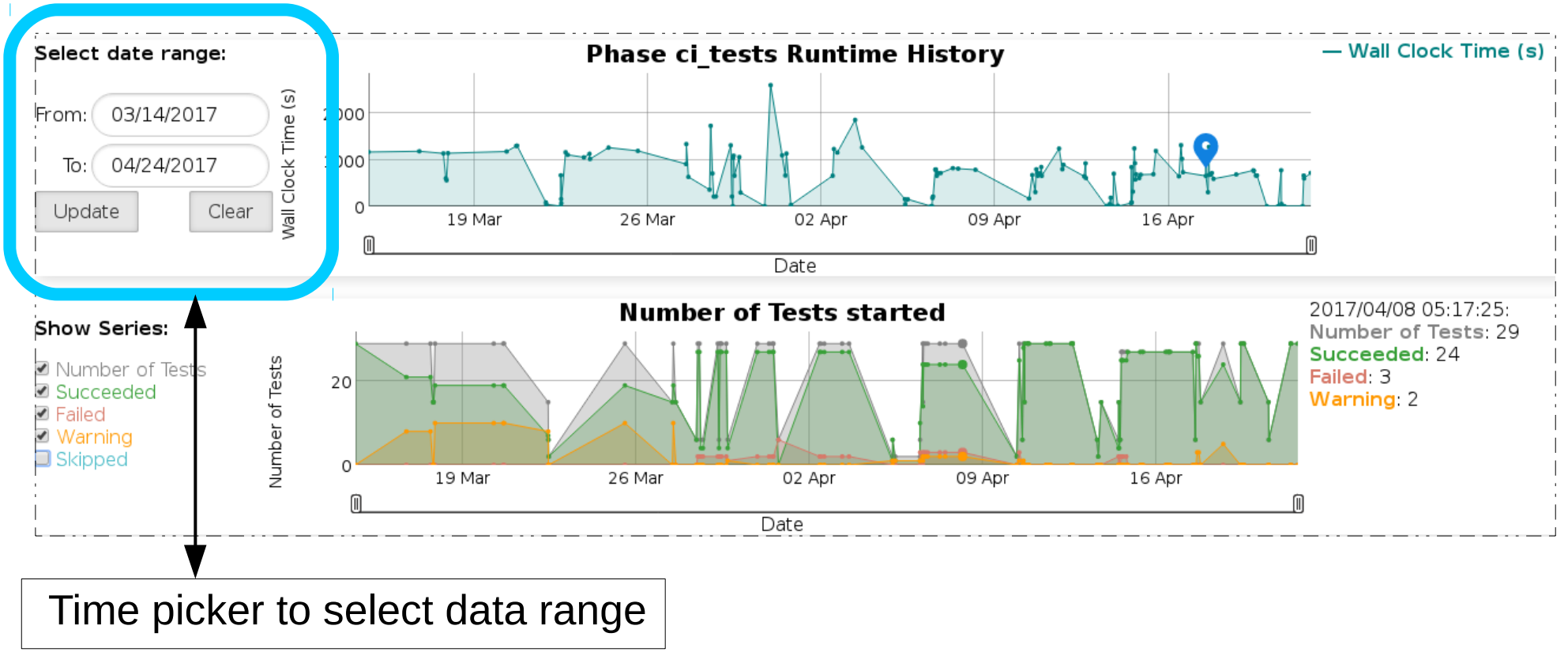
- **CI test view**



Navigation bar to easily navigate through CI phases

The CI web application

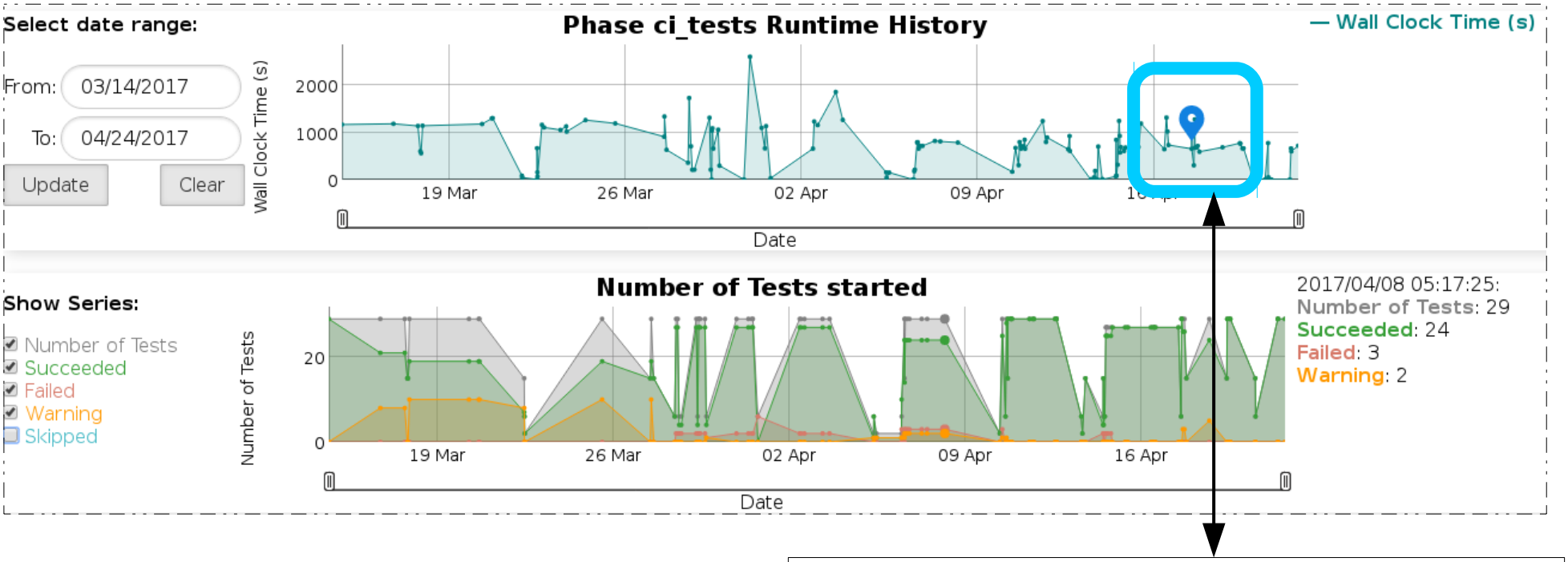
- **CI test view**



Time picker to select data range

The CI web application

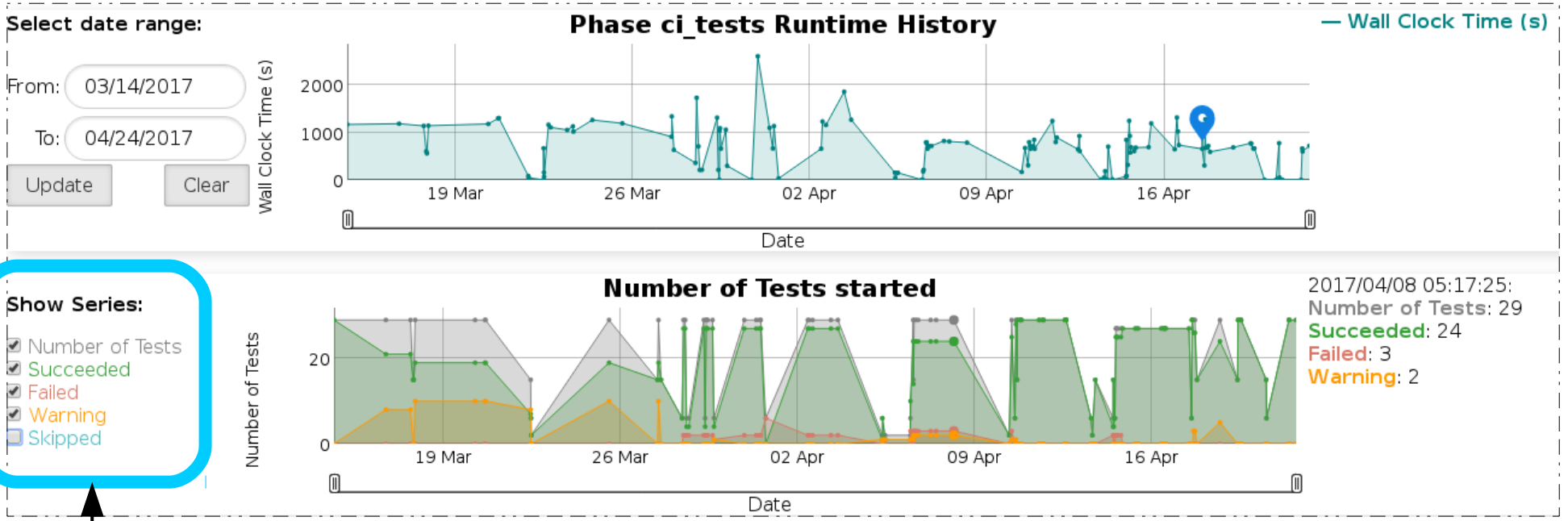
- CI test view



Marker to indicate the selected CI build

The CI web application

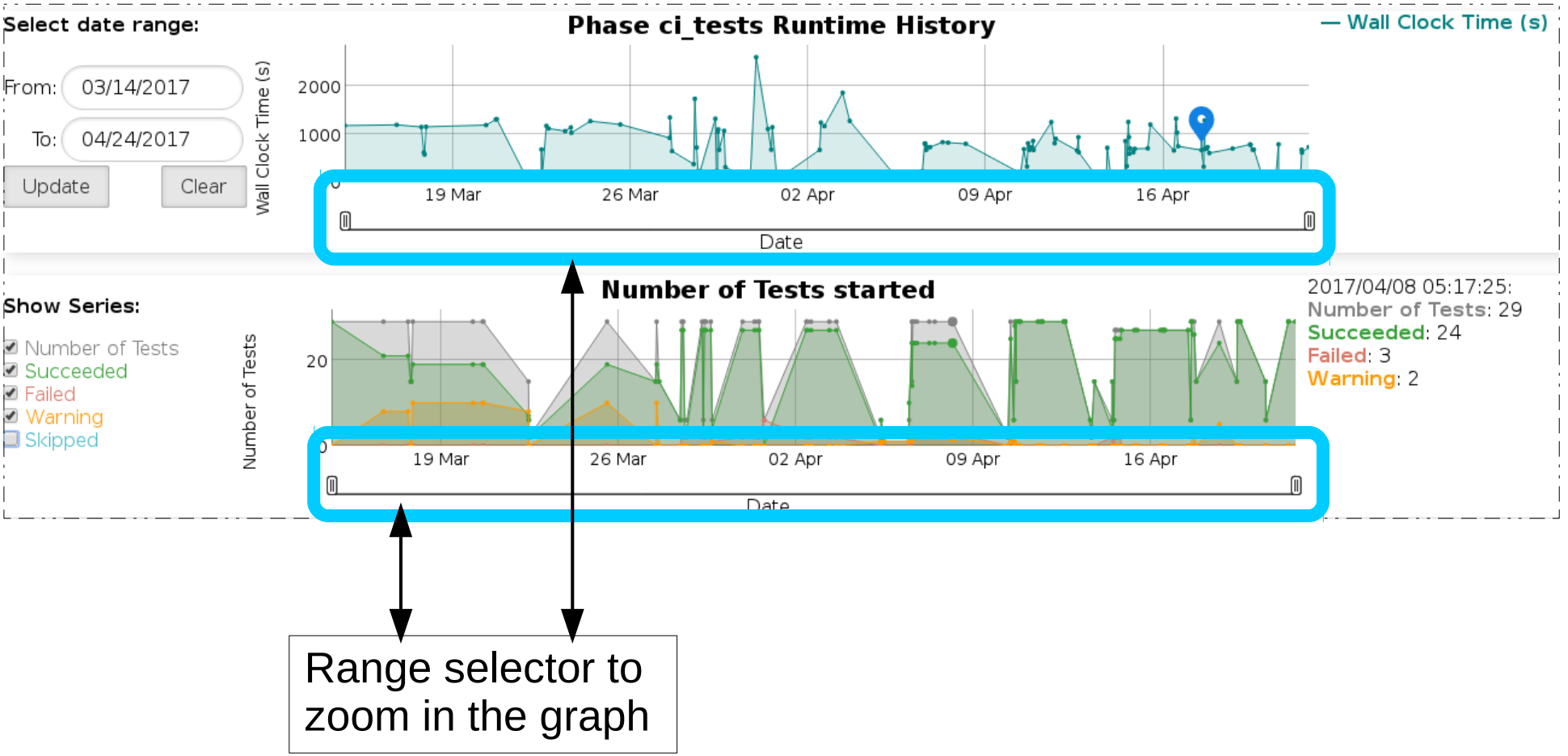
- CI test view



Check box to select the series to show

The CI web application

- CI test view

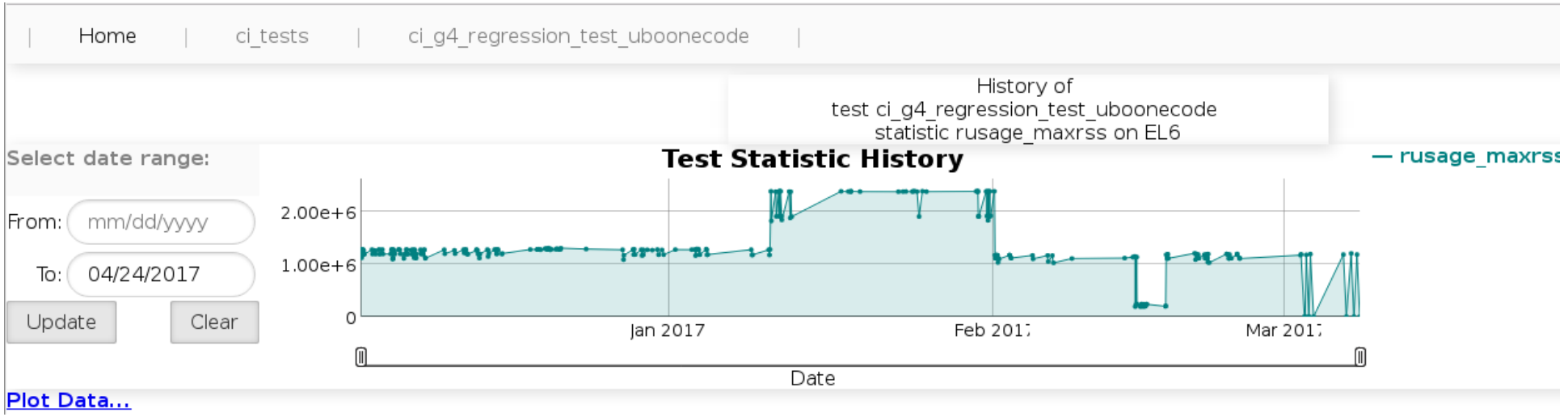


The CI web application

- **Unit test view**

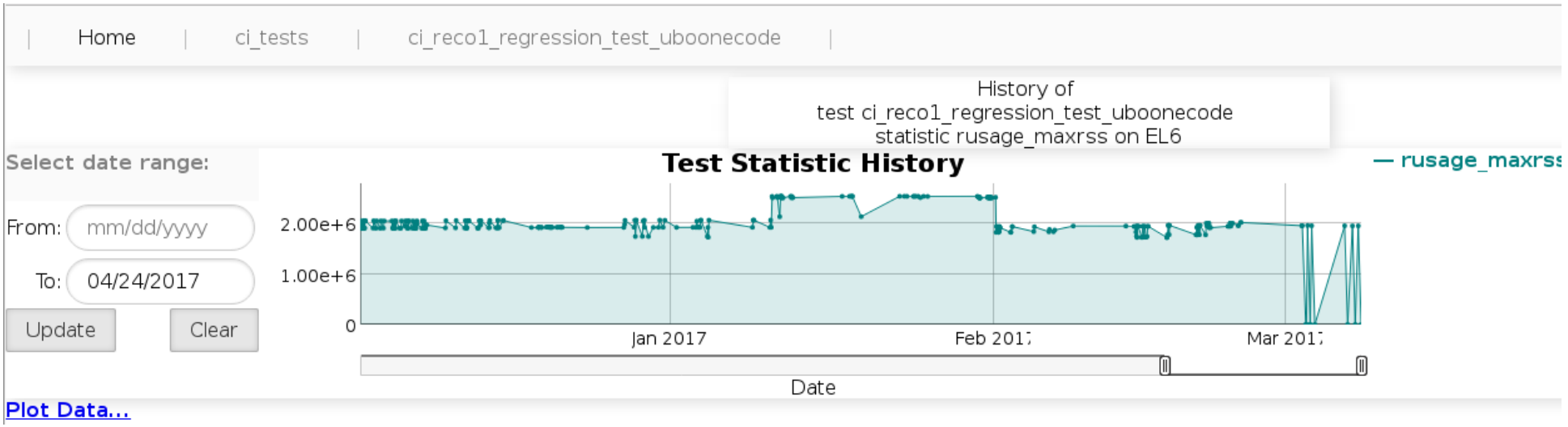
The CI web application

- **CI test details:**
  - RSS memory peak, uboonecode g4 stage as an example



The CI web application

- **CI test details:**
  - RSS memory peak, uboonecode reco stage 1 as an example



Documentation:

The redmine wiki is available at:

CI: http://cdcvs.fnal.gov/redmine/projects/ci/wiki

LarCI: http://cdcvs.fnal.gov/redmine/projects/lar_ci/wiki