



# Trigger Validation news

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for trigger validation group

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- No much news to report. Last week was devoted to CSC studies and this week is the *documentation* week.
- 13.0.20 deadline is July 17.
  - After this week of break from validation, we will need to go back to our duties
  - For 13.0.20 release, we will have an *improved* scheme of validation (which means you will have to do more.. but there will be also more tools)



## New validation scheme



which was planned long ago

- Slice representative :  
daily checks of slice ATN and RTT tests :
  - TriggerTest/test\*SliceAthenaRDO, possibly also AthenaMT and AthenaPT tests
  - TrigAnalysisTest/test\*Slice\* (RDOtoESDAOD, AOD, AOD\_doHypo)

This includes checking logs and histogram files; reporting problems found and updating the references. The Friday report should include status of nightlies for each slice. The instructions are given on TriggerValidationHOWTO twiki.

- Validation shifter:  
daily checks of combined ATN and RTT tests : (everything which is not Slice specific).  
John, Simon, Dmitry, Ricardo and Olya will take shifts for validation of nightlies.

Aim to have the scheme fully functional for 13.0.20 validation



# Trigger Validation HOWTO



Almost ready.



The screenshot shows a TWiki page interface. At the top right, there are 'Jump' and 'Search' input fields. Below them are buttons for 'Edit', 'WYSIWYG', 'Attach', 'PDF', and 'Printable'. The breadcrumb trail reads: 'You are here: TWiki > Atlas > Web > TriggerDAQ > HighLevelTrigger > TriggerValidation > TriggerValidationHOWTO'. The page title is 'Trigger Validation HOWTOs'. A list of links follows, each preceded by a downward arrow: [HOWTO check nightlies](#), [HOWTO check validation sample A](#), [HOWTO update reference log \(REGTEST\) file](#), [HOWTO update reference histogram file](#), [ATN reference root file](#), [RTT reference root file](#), [HOWTO implement histograms](#), [in HLTalgos](#), [to check EDMs from ESD/AOD files](#), and [HOWTO request new trigger validation HOWTO](#). Below this list is the section header 'HOWTO check nightlies' followed by a bullet point: 'around noon (CERN time) tests results from latest nightly should be available.'



# Trigger Validation AID



The tool to compare histograms is being developed by Krzysztof Ciba and Alex Undrus. This will run within nightly tests and the output will look like :

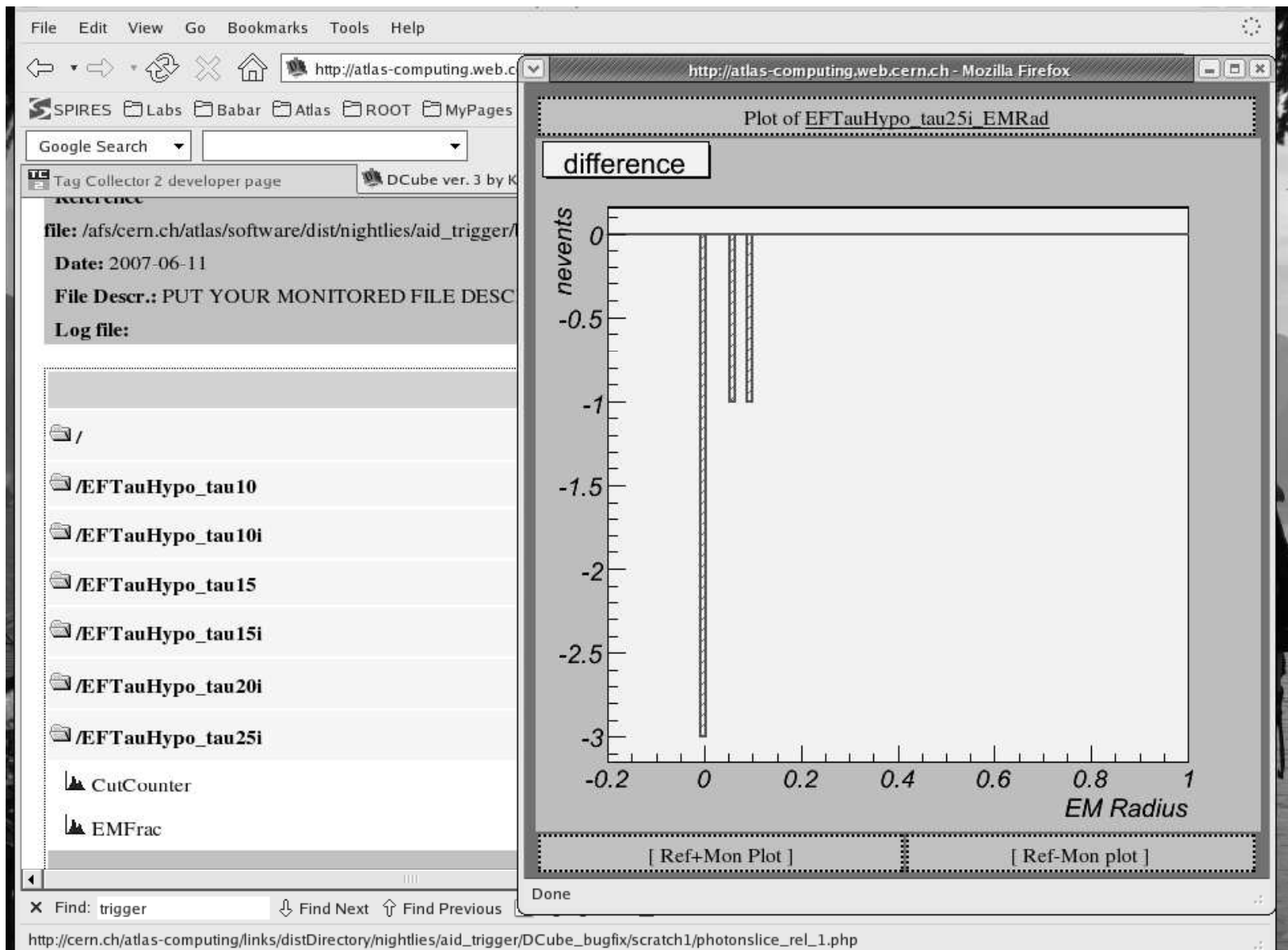
<http://atlas-computing.web.cern.ch/atlas-computing/links/distDirectory/nightlies>

## Class Offline Validation

Process	Component	Test	Package	Log Check	Hist Check	Manager(s)
Trg	Perf	bjetslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	bphysicslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	jetslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	metslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	muonslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	photonslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch
Trg	Perf	tauslice	Trigger/TrigValidation/TriggerTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	perf-validation-nightly-reports at cern.ch



# Trigger Validation AID





## Crash in finalize



13.0.10 release as well as bugfix nightlies have sometimes crash at the end of the job. The traceback is not informative (complains only about python). The result is that the root files are not saved. All 13.0.10 ATN slice tests show it. Later nightlies do not necessarily show it, however the attempt to recreate histograms files for 1000 top events failed.

The reason is unclear yet. Any help tracing the problem would be appreciated. <https://savannah.cern.ch/bugs/?26932>

May be can be avoided with  
*export TDAQ\_ERS\_NO\_SIGNAL\_HANDLERS=1*