

Automation of data validation

Julia Andreeva, CERN IT

Status

- Project of the Openlab summer student Dimitrios Christidis
- Monthly accounting data (raw wall clock (hours) and wall clock work (HS06 hours)) from EGI portal and experiment-specific accounting systems for ATLAS, ALICE and CMS is imported into SSB. For ATLAS and CMS data is retrieved using APIs provided by the experiment-specific systems, for ALICE introduced manually. Ratio between measurements from the EGI accounting portal and experiment-specific systems is calculated. Colour of the cell is defined by the difference between two measurements. Different thresholds are defined for CMS compared to ATLAS and ALICE.
- For CMS and ATLAS data will be generated monthly. Historical data is available using SSB historical distribution.
- Documentation is available at the task force twiki page:
<https://twiki.cern.ch/twiki/bin/view/LCG/AutomationOfDataValidation>
- Credits to Dimitrios for excellent work

Main view

AutomationOfDataValidati... Site Status Board

wlcg-mon-dev.cern.ch/dashboard/request.py/siteview#currentView=ACCOUNTING_VALIDATION

Firefox has prevented the outdated plugin "Adobe Flash" from running on http://wlcg-mon-dev.cern.ch.

WLCG

Show 200 entries

Print Save view: ACCOUNTING_VALIDATION Search...

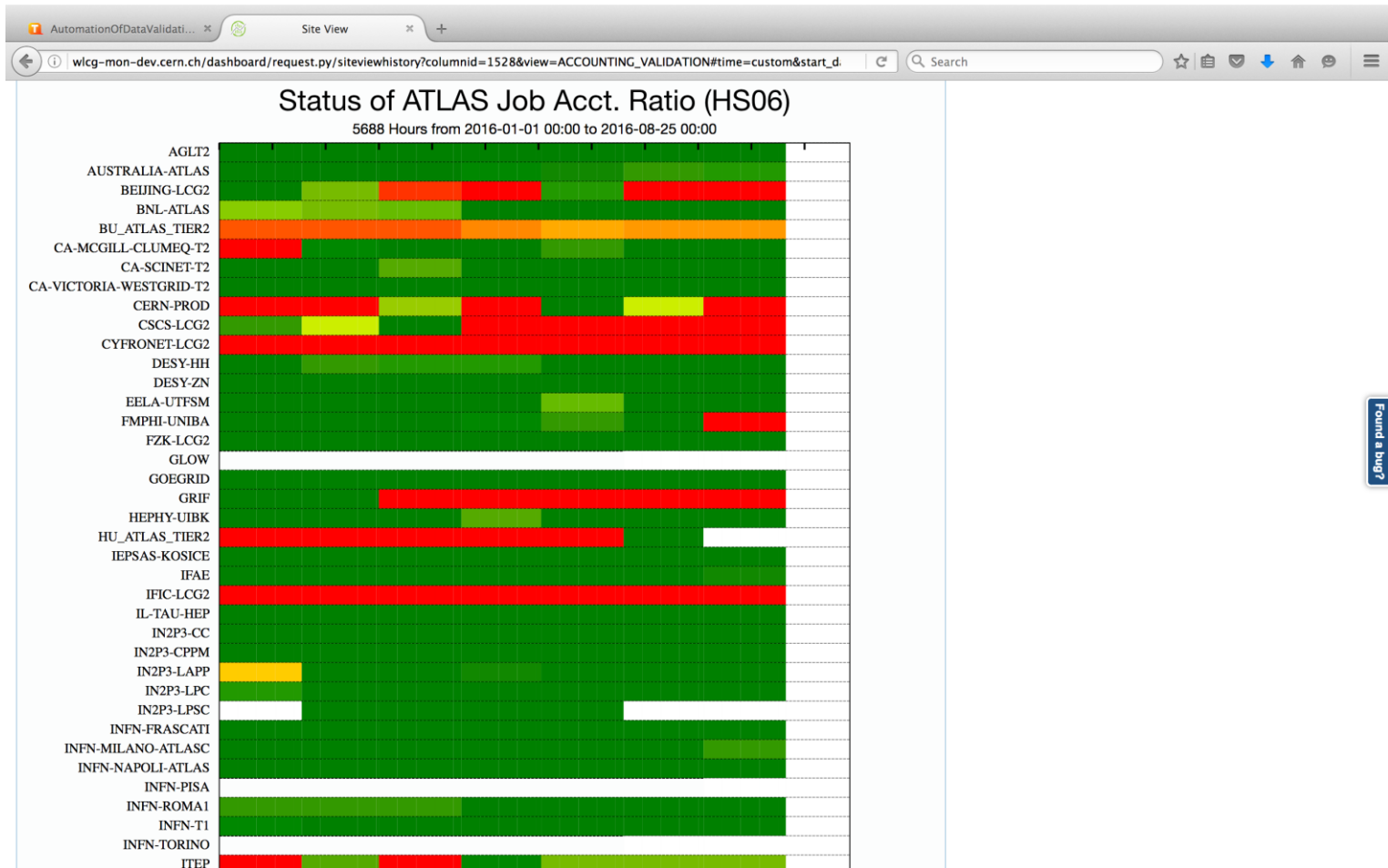
Site Name	ALICE Raw Wall Time Clock			ATLAS HEP-SPEC06 Wall Time Work			ATLAS Raw Wall Time Clock			CMS HEP-SPEC06 Wall Time Work			CMS Raw Wall Time Clock		
	ALICE Job Acct. Dashb. (Raw)	ALICE Job Acct. EGI (Raw)	ALICE Job Acct. Ratio (Raw)	ATLAS Job Acct. Dashb. (HS06)	ATLAS Job Acct. EGI (HS06)	ATLAS Job Acct. Ratio (HS06)	ATLAS Job Acct. Dashb. (Raw)	ATLAS Job Acct. EGI (Raw)	ATLAS Job Acct. Ratio (Raw)	CMS Job Acct. Dashb. (HS06)	CMS Job Acct. EGI (HS06)	CMS Job Acct. Ratio (HS06)	CMS Job Acct. Dashb. (Raw)	CMS Job Acct. EGI (Raw)	CMS Job Acct. Ratio (Raw)
AGLT2				30764596	31731545	100	3056018	3228031	100						
AUSTRALIA-ATLAS				7727643	8728103	113	679353	767238	113						
BEIJING-LCG2				6677938	2297332	34	611061	210224	34	1269792	2339857	184	116192	214116	184
BEgrid-ULB-VUB										6681108	12398143	180	888436	1648689	180
BNL-ATLAS				110353288	109314641	98	11055702	10877079	98						
BUDAPEST	425701	423616	100							3939781	4067138	103	336162	475577	141
BU_ATLAS_TIER2				33634782	20352370	61	1861893	1898542	102						
BelGrid-UCL										1326543	1768008	133	144189	192175	133
CA-MCGILL-CLUMEQ-T2				7672548	7870079	103	529141	542764	103						
CA-SCINET-T2				6981074	6985638	100	558486	558851	100						
CA-VICTORIA-WESTGRID-T2				8343132	8838295	106	580981	615480	106						
CBPF	103110	40011	39												
CERN-PROD	12369398	10359727	84	46030554	21533966	47	5227899	2360628	45						
CETA-GRID	23849	N/A	N/A												
CIEMAT-LCG2										8453380	14795238	175	606844	2800007	461
CIT_CMS_T2										22193	46973337	211508	1622964	4317866	260
CSCS-LCG2				12504541	5727189	46	1116605	439876	39	11508236	8770290	76	1027639	673601	66
CYFRONET-LCG2	146976	89417	61	6278022	1849192	29	442115	130225	29						
DESY-HH				34808334	36750975	106	3319071	3324956	100	33969711	62418523	184	3239106	5501617	170
DESY-ZN				12909028	12952352	100	798823	801507	100						
EELA-UTFSM				2343728	2403160	103	202655	205790	102						

Showing 1 to 164 of 164 entries

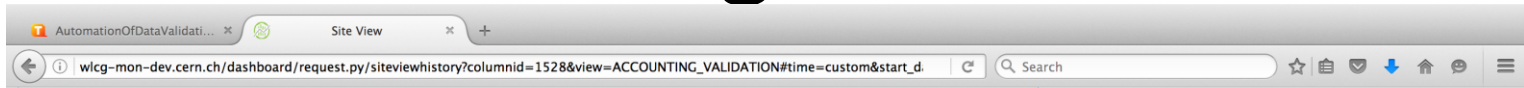
First Previous 1 Next Last

Found a bug?

Historical view. Easy to detect problematic sites

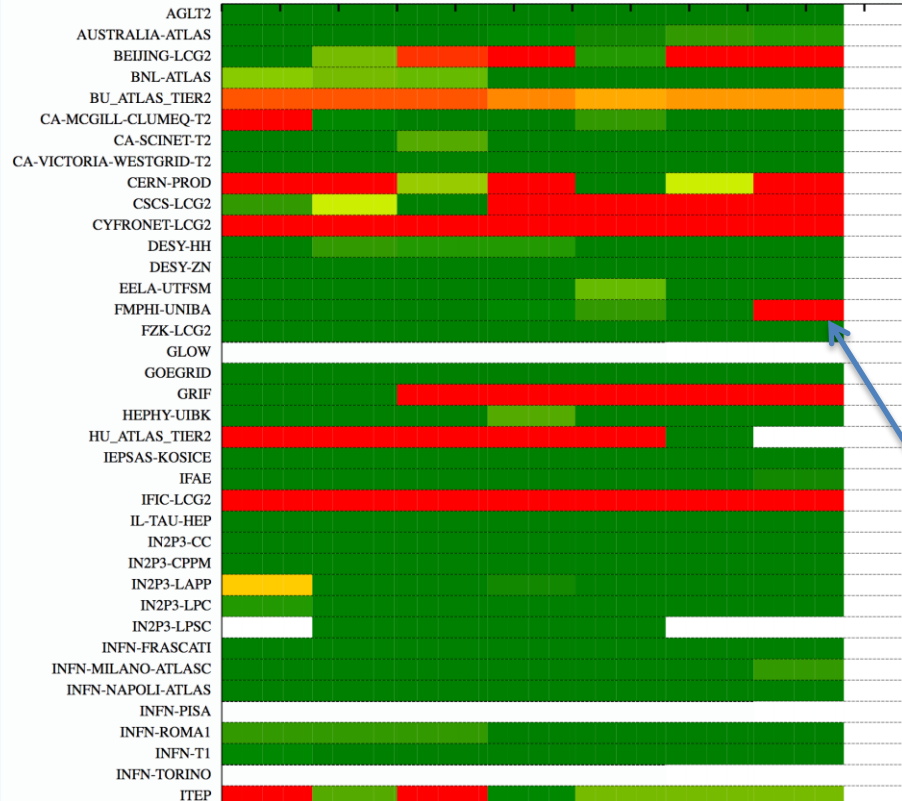


Getting details



Status of ATLAS Job Acct. Ratio (HS06)

5688 Hours from 2016-01-01 00:00 to 2016-08-25 00:00



Found a bug?

CLICK

```
{
  "version": "v0.17.0 r0_rc4.wlcgmon6",
  "adminRightModifyColumn": false,
  "vo_info": {
    "url": "wlcg-mon-dev.cern.ch/dashboard/request.py/getplotdata?columnid=1535&time=custom&dateFrom=2016-07-01&dateTo=2016-07-07&site=FMPHI-UNIBA&sites=one&clouds=all&batch=1",
    "logo": "../templates/images/ssb/wlcglrg.png",
    "vo_name": "WLCG",
    "access": [false, false, false, false],
    "analytics": "UA-53574792-1",
    "meta": {
      "clouds": ["all"],
      "columnid": ["1535"],
      "dateTo": ["2016-07-07"],
      "dateFrom": ["2016-07-01"],
      "site": ["FMPHI-UNIBA"],
      "sites": ["one"],
      "batch": ["1"],
      "time": ["custom"]
    },
    "csvdata": [
      {
        "Status": "HS06: Dashb=1717144 EGI=5495975 Ratio=320",
        "COLORNAME": null,
        "COLOR": null,
        "VOName": "FMPHI-UNIBA",
        "Value": null,
        "URL": null,
        "SiteId": 7970,
        "INSERTTIME": "2016-08-04T11:43:57.835787",
        "Time": "2016-07-01T00:00:00",
        "Tier": null,
        "EndTime": "2016-07-08T00:00:00",
        "Cloud": null
      }
    ],
    "modifyMetricHistoryData": 0
  }
}
```