

Offline Monitoring Report

June 10, 2015

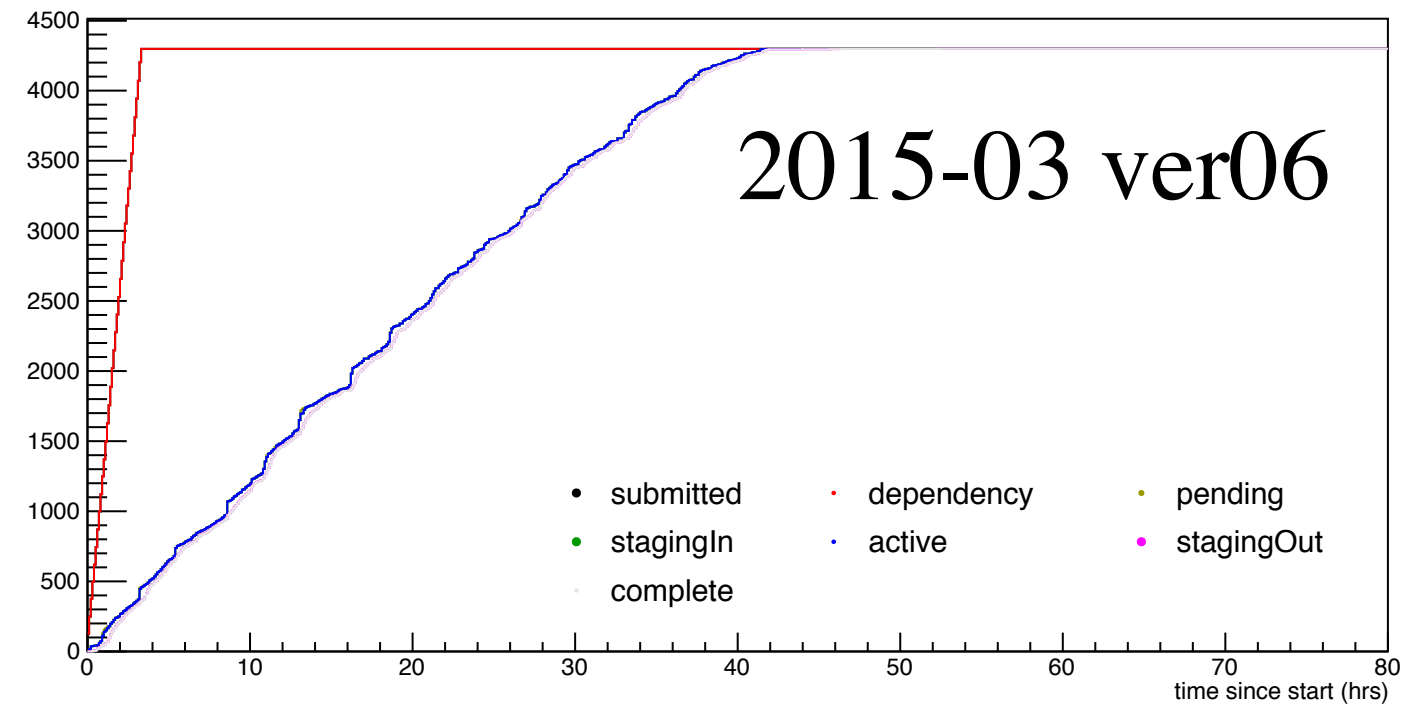
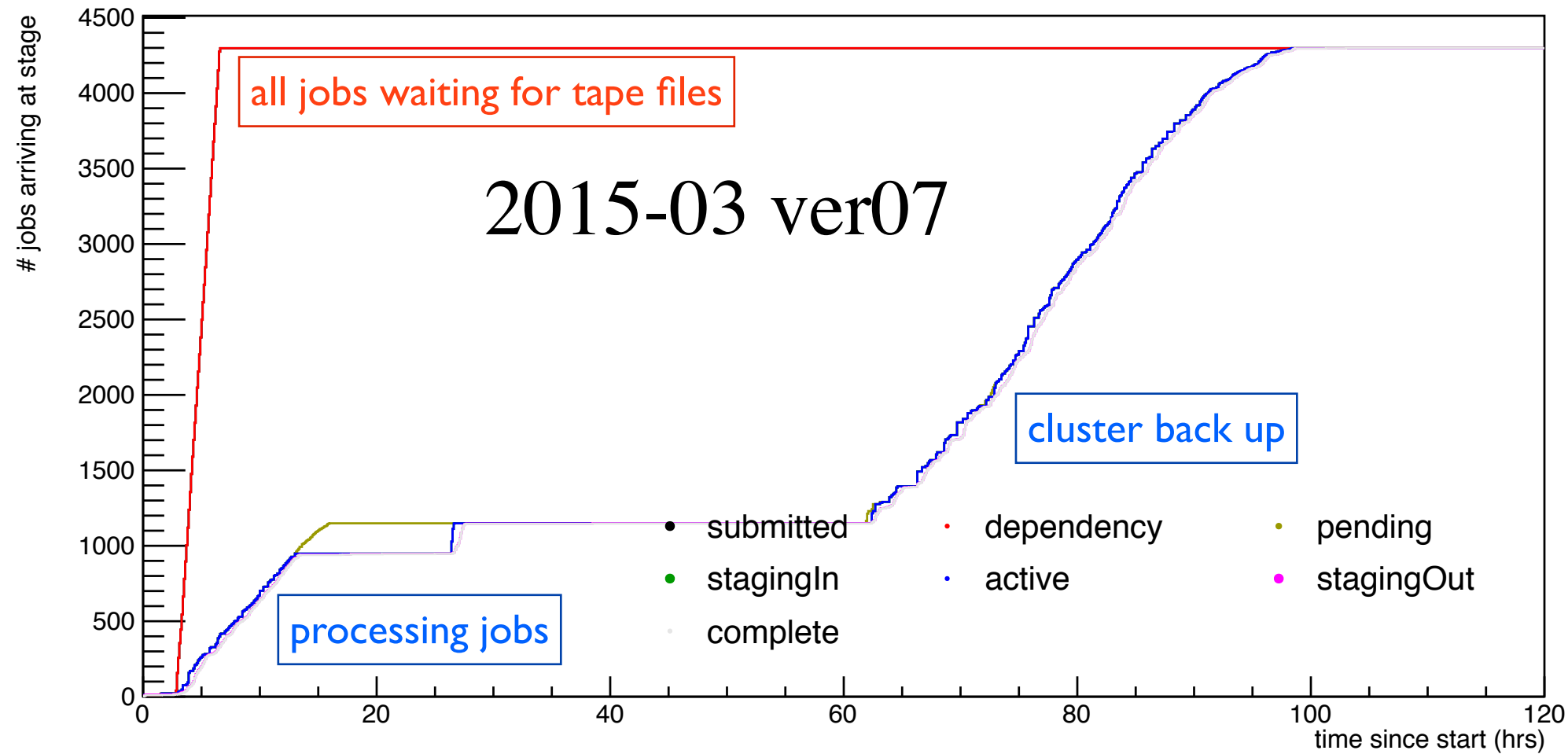
Kei Moriya

Current Launch

- 2014-10 ver17, 2015-03 ver07 launched on June 5 (Fri)
- 7368 jobs for 2014-10, 4298 jobs for 2015-03
- Results being processed

Cluster Down

- From Saturday night to Monday morning (no messages from SciComp)
- See https://halldweb.jlab.org/data_monitoring/launch_analysis/index.html



Plugins

- ST
 - Mahmoud has started to take over the ST plugins
 - Issues with scones and code in general, did not make it in for this launch
 - If help with plugins is necessary please let us know
- 2-track skim
 - Taken out from this launch since there was concern that it resulted in using more disk space than we requested for each job in previous launch
 - If there are requests for the skims, they can be run

Analysis of Launches

- Analysis for Spring 2015 launches is up and running
- Need to make code more accessible

Run Period 2015 Spring

| Version | Total (%) | Success (%) | Over Limit (%) | Timeout (%) | Failed (%) | NULL (%) |
|---------|---------------|--------------|----------------|-------------|------------|--------------|
| VER02 | 4310 (100.00) | 2345 (54.41) | 17 (0.39) | 41 (0.95) | 0 (0.00) | 1907 (44.25) |
| VER03 | 4310 (100.00) | 327 (7.59) | 2 (0.05) | 0 (0.00) | 22 (0.51) | 3959 (91.86) |
| VER04 | 4310 (100.00) | 1507 (34.97) | 10 (0.23) | 16 (0.37) | 28 (0.65) | 2749 (63.78) |
| VER05 | 4310 (100.00) | 1989 (46.15) | 38 (0.88) | 15 (0.35) | 2 (0.05) | 2266 (52.58) |
| VER06 | 4310 (100.00) | 4206 (97.59) | 79 (1.83) | 25 (0.58) | 0 (0.00) | 0 (0.00) |
| VER07 | 4310 (100.00) | 4255 (98.72) | 12 (0.28) | 33 (0.77) | 10 (0.23) | 0 (0.00) |

From https://halldweb.jlab.org/data_monitoring/launch_analysis/index.html

FCAL Warning

- Repeated message: “ERROR! no associated FCAL pedestal object.”
- Shows up repeatedly in 142 files for 2015-03 - all files were taken with mode 7
- Runs: 3035, 3144, 3147, 3178, 3179, 3180, 3185, 3186, 3220
- Some runs (e.g., 3145, 3148 - 3154) taken with mode 7, but do not show this warning
- David noticed that there are missing words for pulse pedestal and pulse time
- Now in the hands of Hai and Ed (fast electronics)
- For offline analysis of 2015-03 files, David has suggested printing the message for the first N times and suppressing afterwards

Crashes for Large Runs

- Run 2711

- 2 crashes in first 234 files, but no major errors
- Files 235 - 328 : All crashed with error:

```
JANA ERROR>>Exception thrown from ParseEVIOEvent!  
JANA ERROR>>  
JANA ERROR>>?JException: code = 0 text = Number of events in  
JEventSource_EVIO::MergeObjLists do not match!
```

- Run 2792

- 2 crashes in first 238 files, but no major errors
- Files 239 - 521 : All crashed
- Files 522 - 573 seem good

- Run 2931

- First 92 files seem good
- Files 93 - 106 : All crashed

crashes lead to log files of several
hundred MB

Moving Forward

- Next launch is June 19 (Fri)