2015 Heavy Ion Reprocessing

Latest Status (as well as other campaigns)

https://twiki.cern.ch/twiki/bin/view/Atlas/March2016HeavyIonReprocessing
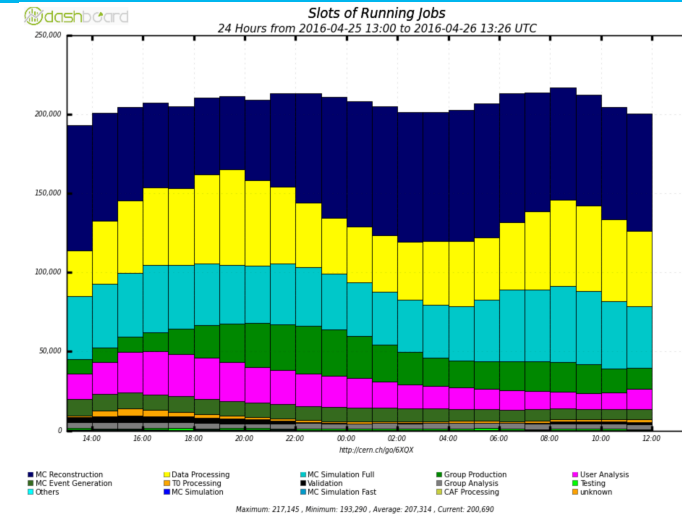https://its.cern.ch/jira/browse/DATREP-46

David South (DESY)
Kostas Nikolopoulos (Birmingham)

ADC
April 26th, 2016

Status: New cutLevel=2 tasks

> New strategy, cutLevel=2 tasks started Friday April 15th,

> 24/34 HardProbes runs now submitted
15 done (80,972,635 events / 203M)
`data15_hi.*.physics_HardProbes.recon.AOD.r7874/`
and a few more tasks at > 90% done, adding about 30M more = 161/203M

> 24/35 MinBias runs now submitted
15 done (111,541,198 events / 285M)
`data15_hi.*.physics_MinBias.recon.AOD.r7874/`
and two more tasks at > 90% done, adding about 20M more = 131/285M

> **Heavy streams: ~ 292M / 488 M events done (~ 60%)**

> 18/34 debugrec_hlt runs now submitted, 8 done, but trigger problems
as described in https://its.cern.ch/jira/browse/ATR-13913
`data15_hi.*.debugrec_hlt.recon.AOD.g*_r7908/`

> **Latest runs submitted with: `corecount=8;ramcount=2750;baseramcount=2000;ramUnit=MBPerCoreFixed;`**

> **I would like to submit the remaining runs for HardProbes and MinBias today (11 HP and 12 MB)**

> **Then, still to do:** MinBiasOverlay (23.2M), UPC (33.6M), express (9.6M)

- -

> **Non Heavy Ion stuff:**

> Also submitted: 6 MinBias runs from 2015 13 TeV, new alignment, two requests (AOD.HIST.DAOD_IDTRKVALID and ESD)
Is progressing well, running in the background in lower memory resources

> Also to come today: data15_5TeV VdM run for luminosity group, https://its.cern.ch/jira/browse/DATREP-48
`data15_5TeV.00286282.calibration_VdM.daq.RAW`, 1823 files, 288.5M events

Status: Original cutLevel=3 tasks

> Eight runs now completed for both HardProbes and MinBias with original `cutLevel` configuration:
  286748, 287281, 287321, 287330, 287334, 287380, 287560, 287594

  - Total (HardProbes) luminosity: **115.78 ub^{-1}**

  - HardProbes datasets (4 runs r7827, 4 runs r7859):
    `data15_hi.*.physics_HardProbes.recon.AOD.r78*/`
    `data15_hi.*.physics_HardProbes.merge.HIST.r78*_p2574_p2574_p2574/`

  - MinBias datasets (1 run r7827, 7 runs r7865):
    `data15_hi.*.physics_MinBias.recon.AOD.r78*/`

> CosmicCalo: **all 35 runs now done**
  `data15_hi.*.physics_CosmicCalo.recon.AOD.r7860/`
  `data15_hi.*.physics_CosmicCalo.merge.HIST.r7860_p2574_p2574/`

> ESDs also ready for all three streams, as requested for run 287594
  `data15_hi.00287594.physics_HardProbes.recon.ESD.r7859/`
  `data15_hi.00287594.physics_MinBias.recon.ESD.r7865/`
  `data15_hi.00287594.physics_CosmicCalo.recon.ESD.r7860/`