

LHCb signoff

Raja Nandakumar



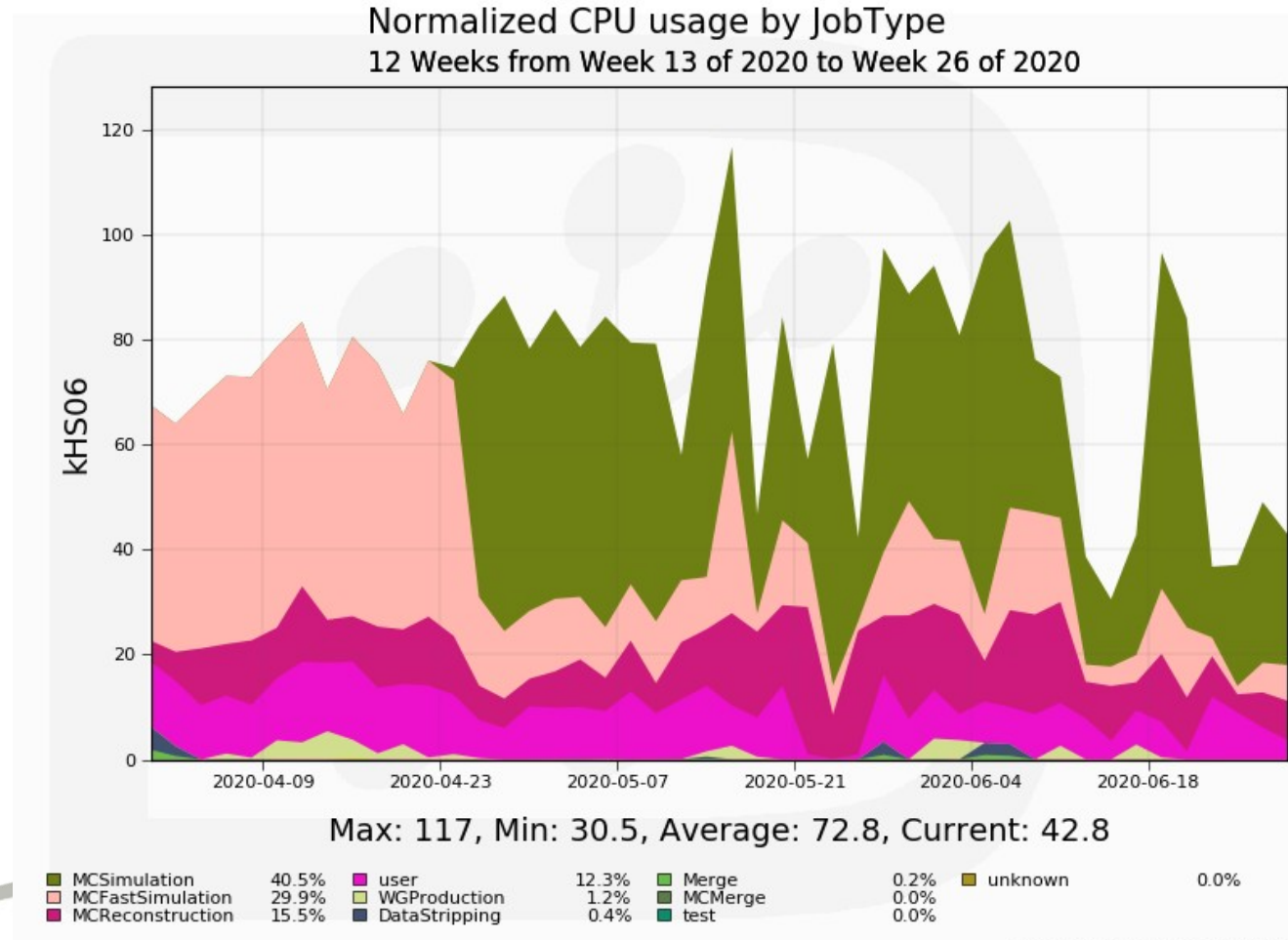
Introduction

- Notes / information remain the same as from Jan 2020
 - [Link to Andrew McNab's talk](#)
 - This talk – essentially same as on 1 July, just with updated plots
- Essential part of LHCb activities
 - Continuing issues streaming data out of ECHO
 - [Affects user jobs \(and WG productions\)](#)
- Overall picture continues to be very good
 - Many thanks to the Tier-1 team!



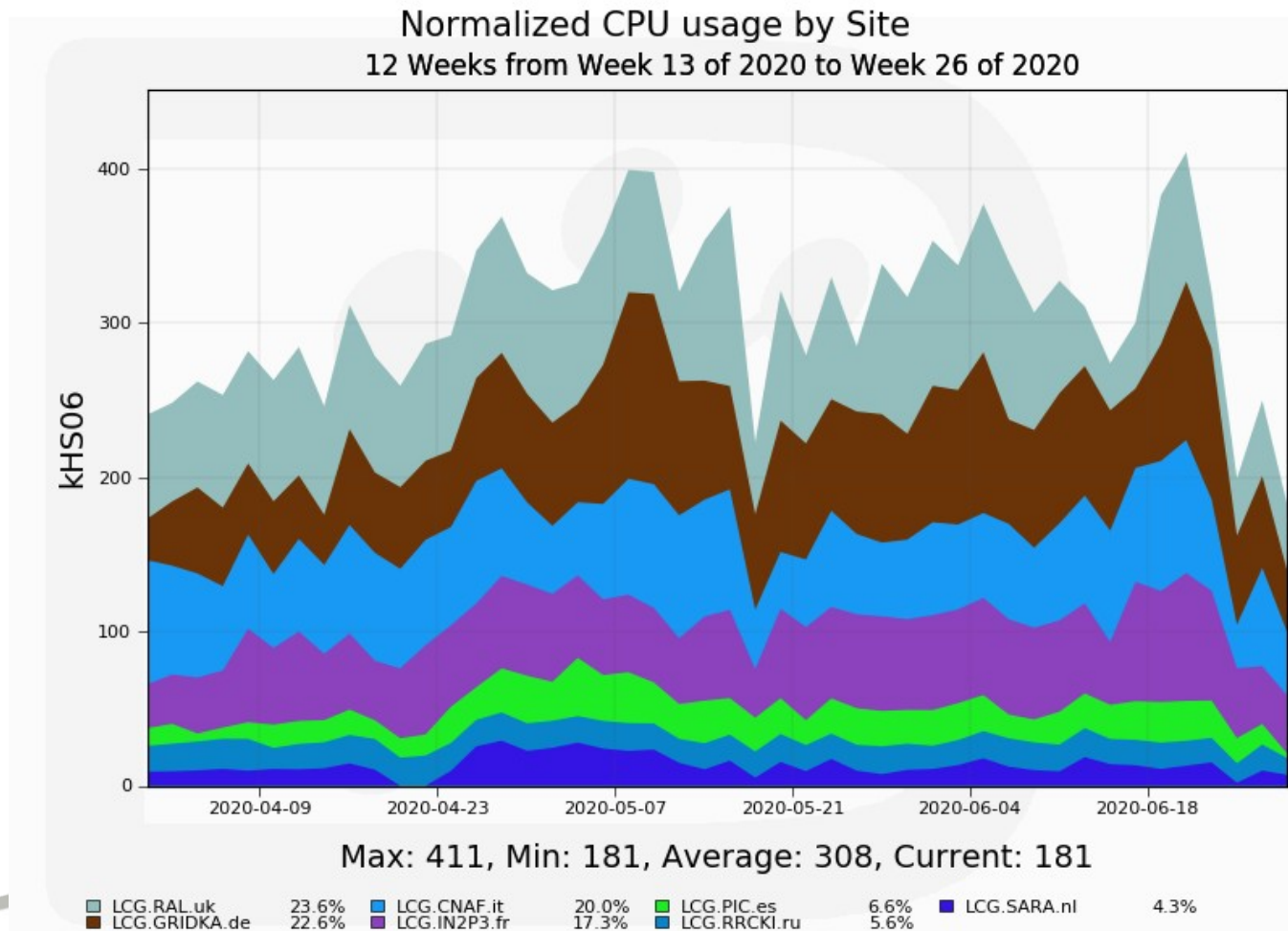
CPU used at RAL

➤ Dominated by MC Simulation



CPU used at all Tier-1 sites

- RAL broadly in line with other Tier-1s
- ➔ Listing in order of contribution
 - Ignoring CERN, HLT farm



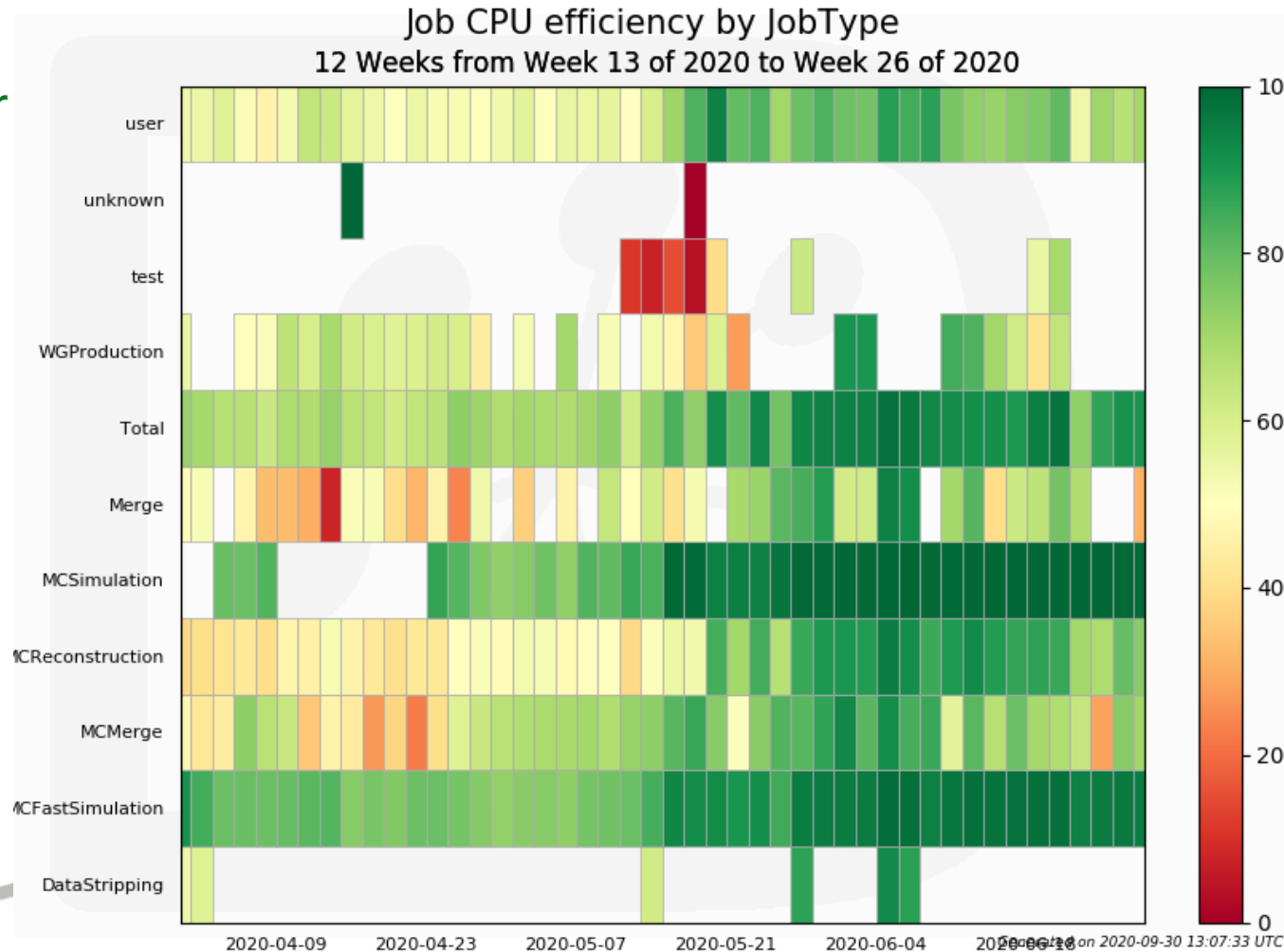
Job efficiency at RAL

➤ WG productions and user jobs are affected by the ECHO streaming issue

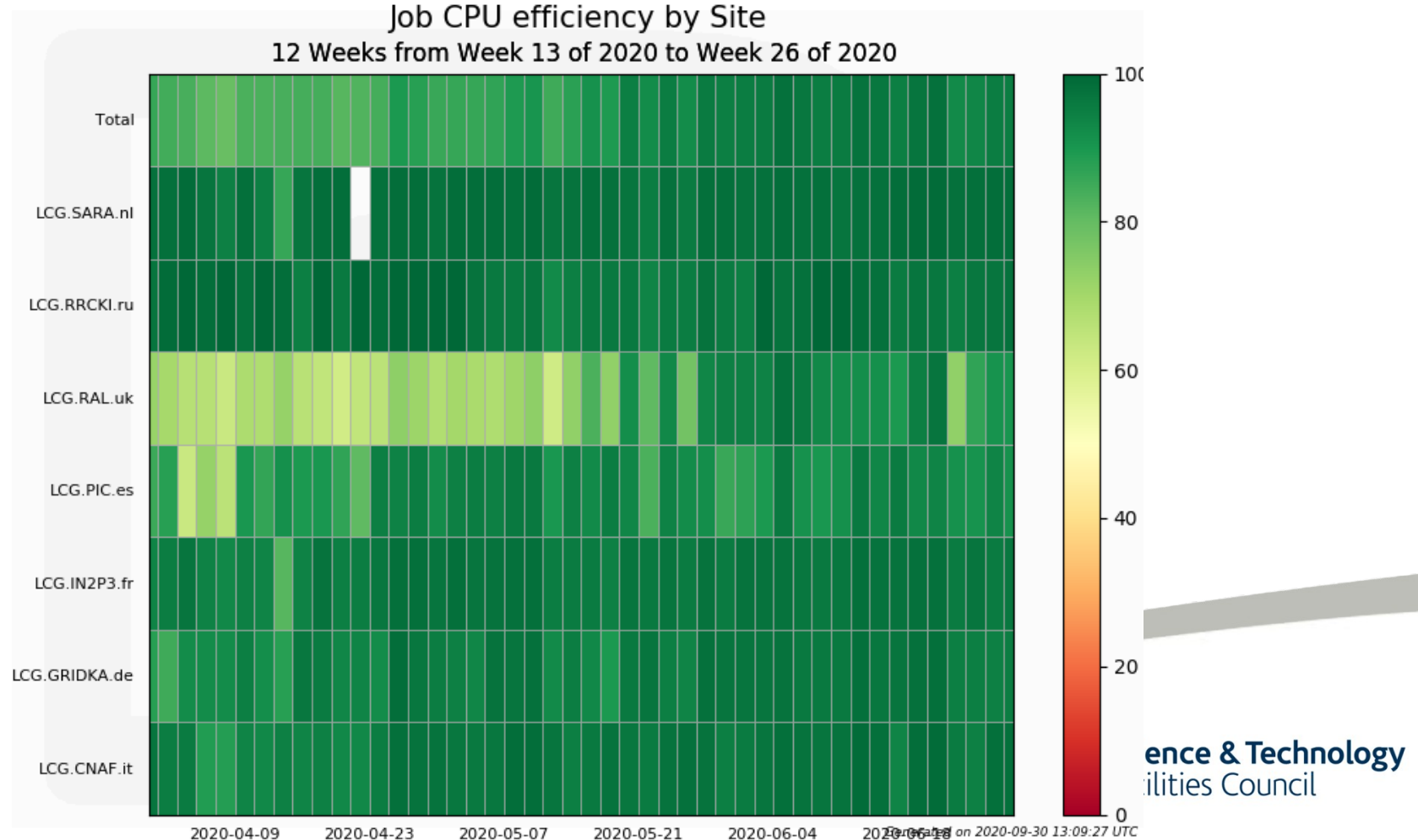
➔ All efficiencies start to recover by end of Q2

- Workaround : limiting number of input files to alleviate job failure rate

➤ Simulation is obviously the best

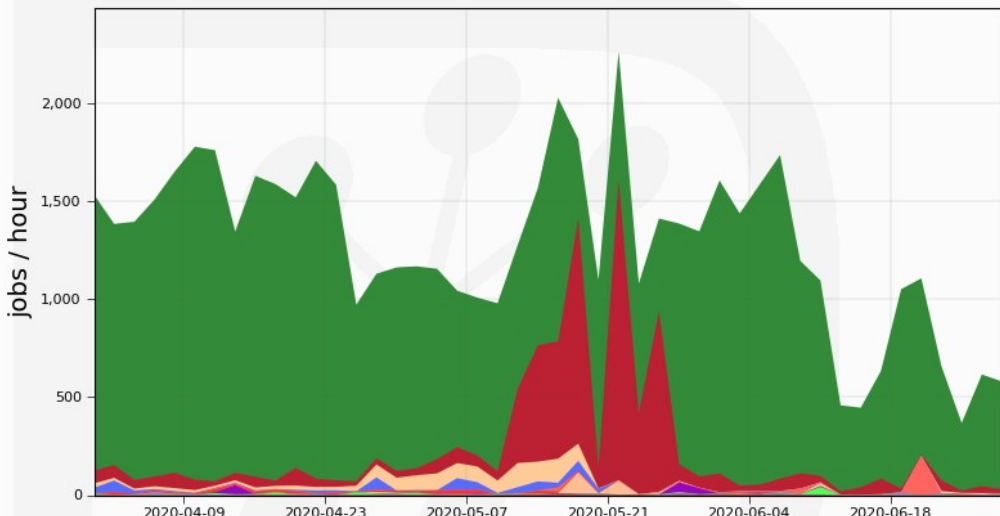


Job efficiency at Tier-1 sites



Jobs by outcome

RAL by final minor status
12 Weeks from Week 13 of 2020 to Week 26 of 2020

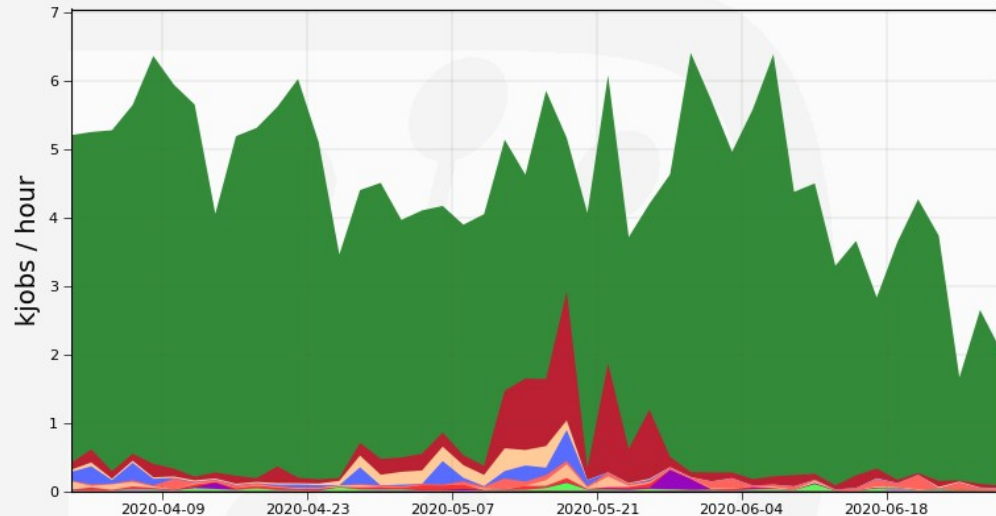


Max: 2,263, Min: 368, Average: 1,279, Current: 580

Execution Complete	82.2%	Input Data Resolution	0.4%
Application Finished With Errors	12.7%	JobWrapper execution	0.3%
Watchdog identified this job as stalled	2.1%	Pending Requests	0.2%
Input Sandbox Download	0.8%	Output Data Uploaded	0.2%
Stalled	0.5%	Exception During Execution	0.1%
Received Kill signal	0.4%	Uploading Job Outputs	0.0%

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RAL by final minor status
12 Weeks from Week 13 of 2020 to Week 26 of 2020



Max: 6.41, Min: 1.66, Average: 4.62, Current: 2.06

Execution Complete	88.8%	JobWrapper execution	0.3%
Application Finished With Errors	5.9%	Pending Requests	0.3%
Watchdog identified this job as stalled	1.3%	Output Data Uploaded	0.1%
Input Sandbox Download	1.2%	Exception During Execution	0.1%
Stalled	0.9%	Uploading Job Outputs	0.0%
Input Data Resolution	0.5%	Job has reached the CPU limit of the queue	0.0%
Received Kill signal	0.5%	Job has insufficient disk space to continue	0.0%

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MC Reconstruction bug in May



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