

Science and Technology Facilities Council

Resources Review Meeting: 2020Q3+4 ATLAS RAL

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Highlights

- Reporting period:
 - Q3+4 2020: 1 Sep 31 Dec (accompanying separate slides for just Q3 and Q4 available)
- Highlights:
 - Deletion campaigns on MCTAPE and DATATAPE
 - Data reprocessing (in Data Carousel model) for full Run-2 data, for RPVLL analysis
 - Disk carousel as 'production'; "Staging throughput at RAL has been high and stable. What are your secrets to reach such a good performance ? :)"
 - Changes to data placement model => fewer replicas on disk of AOD formats
 - Repack of ATLAS Tape to new robot largely completed over this period (Q4).
- Major issues / events:
 - Occasional ATLAS/CERN issues, time taken for ATLAS to recover to fairshare
- New/Ongoing Issues
 - RAL to be able to run singularity in unpriviliged mode; Experiments can then use own version of Singularity (from CVMFS)
 - Rolled into updating to Centos7 (and related batch farm services).
 - Also presume RAL to move to WLCG baseline version (3.5.2) for local version.



Batch farm CPU commitment





Disk usage

- 12PB used on disk
 - 15.6PB deleted over period
 - (includes scheduled lifetime deletion and obsolesce campaigns).
- Pledge to increase to 15.5PB from 2021 Q2





Staging Volume



Deletion Volume





• ~24 PB used at end of period (~32PB pledged).







- 4.8PB transferred into Tape over the period
- Pledge to increase to 34.8 PB from 2021 Q2



5 PB

4 PB

3 PB

2 PB

1 PB

0 B

7 PB

6 PB

5 PB

4 PB

0 B



