

Reprocessing Status

Summary of current and future reprocessing campaigns

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DC14 preparations

- > DC14 reprocessing: first test of rel19, xAOD production and new transforms
 - 2012 period B is used, 72 good runs, about 5 fb⁻¹ of data
 - BLK processing to additionally include several special runs/periods from 2012
- > Slice test to be done as first step using run 204158
 - Conditions, GEO tags (DB rel) now fixed, waiting on Atlas release in order to define r, p tags
 - Test all streams and transforms to be used in the BLK reprocessing:
express_express, physics_CosmicCalo, physics_JetTauEtmis, physics_Muons, physics_Egamma
Reco_tf.py, ESDMerge_tf.py, AODMerge_tf.py (includes TAG prod), HISTMerge_tf.py

Run	Reco task	ESD merging	DESD merging	xAOD merging and TAG production	DRAW merging	DESD/DOAD production	HIST merging	HIST supermerging
204158								
Input	RAW	ESD	DESDM_RPVLL	xAOD	DRAW_MUMU DRAW_ZEE	merged-DRAW_ZMUMU merged-DRAW_ZEE	HIST	merged-HIST
Output	ESD xAOD HIST DESDM_RPVLL DRAW_ZMUMU DRAW_ZEE	merged-ESD	merged-DESDM_RPVLL	merged-xAOD TAG	merged-DRAW_ZMUMU merged-DRAW_ZEE	DESD_ZMUMU DAOD_ZMUMU DESD_ZEE DAOD_ZEE	merged-HIST	supermerged-HIST
Transform	Reco_tf.py	ESDMerge_tf.py	ESDMerge_tf.py	AODMerge_tf.py	RAWMerge_tf.py	Reco_tf.py	HISTMerge_tf.py	HISTMerge_tf.py
Tag	rXXXX	pXXXX	pXXXX	pXXXX	pXXXX	rXXXX	pXXXX	pXXXX
Tasks	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:


 replication to CERN?

DC14 preparations

> Express stream to follow Slice test

- Remaining 71 runs from period B; *express_express, physics_CosmicCalo* streams only
- Probably use the same configuration as the Slice test

Period B 72 runs 202660 - 205113	Reco task	ESD merging	xAOD merging and TAG production	HIST merging	HIST supermerging
Input	RAW	ESD	xAOD	HIST	merged-HIST
Output	ESD xAOD HIST	merged-ESD	merged-xAOD TAG	merged-HIST	supermerged-HIST
Transform	<i>Reco_tf.py</i>	<i>ESDMerge_tf.py</i>	<i>AODMerge_tf.py</i>	<i>HISTMerge_tf.py</i>	<i>HISTMerge_tf.py</i>
Tag	rXXXX	pXXXX	pXXXX	pXXXX	pXXXX
Tasks	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:	list main task: sub-task:

> After DQ sign-off (2 weeks?) launch Bulk reprocessing

- Likely to be a new configuration, following the DQ of the slice tests / express stream
- Full period 72 runs of 2012 period B again
- Same streams and transforms used in the slice test



Other on going reprocessings

- > Replacement of missing AODs in several 2012 streams: Now completed ✓
- > Data 2010 HI: filtered for good events with peripheral collision properties and reconstructed with rel. 17 tracking for comparison with 2013 p-Pb data
 - 39 good runs; reprocessing 38 /132 million filtered events; Output formats: ESD, NTUP_HI
 - Sequence: RAW → temp (D)RAW → ESD / NTUP_HI → merged NTUP_HI
 - Seven skimming tasks still to go, as well as 18 reco and 20 merge tasks
- > First full processing of the ZeroBiasOverlay stream, full 2012 data
 - Full 2012 data launched start of June, with only AOD and TAG outputs
 - Almost completed: only one reco task (1482644) and three merge tasks to go

