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Assessment of Data Quality in ATLAS

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Assessing the quality of data recorded with the Atlas detector
is crucial for commissioning and operating the detector to achieve
sound physics measurements.
In particular, the fast assessment of complex quantities obtained during
event reconstruction and the ability to easily track them over time are
especially important given the large data throughput and the
distributed nature of the analysis environment.
The data are processed once on a computer farm comprising O(1000)
nodes before being distributed on the Grid, and reliable, centralized methods
must be used to organize, merge, present, and archive data-quality metrics
for performance experts and analysts.
A review of the tools and approaches employed by the detector and physics groups
in this environment and a summary of their performances during commissioning
are presented.

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