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ATLAS Offline Data Quality System Upgrade

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The ATLAS data quality software infrastructure provides tools for prompt investigation of and feedback on collected data and propagation of these results to analysis users. Both manual and automatic inputs are used in this system. In 2011, we upgraded our framework to record
all issues affecting the quality of the data in a manner which allows users to extract as much information (of the data) for their particular analyses as possible. By improved recording of issues, we are allowed the
ability to reassess the impact of the quality of the data on different physics measurements and adapt accordingly. We have gained
significant experience with collision data operations and analysis; we have used this experience to improve the data quality system,
particularly in areas of scaling and user interface. This talk describes the experience gained in assessing and recording of the data
quality of ATLAS and subsequent benefits to the analysis users.

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