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ATLAS Tracker and Pixel Operational Experience

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The tracking performance of the ATLAS detector relies critically on the silicon and gaseous tracking subsystems that form the ATLAS Inner Detector. Those subsystems have undergone significant hardware and software upgrades to meet the challenges imposed by the higher collision energy, pileup and luminosity that are being delivered by the LHC during Run2. The key status and performance metrics of the Pixel Detector, the Semi Conductor Tracker, and the Transition Radiation Tracker are summarised, and the operational experience and requirements to ensure optimum data quality and data taking efficiency are described.

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