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SOLEIL Operation and Adaptation to the New Common Metrics

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Synchrotron SOLEIL is the 3rd generation French synchrotron light source. In operation since 2007, it provides photon beams to the 29 beamlines in operation whose intensity can reach 500 mA according to the filling (5 different modes are available).

After early age failures, the efforts to improve the reliability of the equipment and the availability of the beam contributed to bring us close to the target objectives, namely 99% availability and 100 hours of MTBF. We are going to present the evolution of these results and the major breakdowns that have marked these ten years of operation. Also we did the exercise of adapting our statistics to common metrics shared with other synchrotrons. All these results are accessible from a internal WEB page, thanks to a development carried out by an operator of the group.

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