



Vera C. Rubin Observatory
Project Science Team

Updated estimates of the Rubin system throughput and expected LSST image depth

federica bianco (she/her/hers)

PSTN-054

Latest Revision: 2022-04-19



Abstract

This document presents updated estimates of the Rubin system throughput and compares them to throughput requirements from the LSST Science Requirements Document. In addition, it uses these estimates to forecast LSST's median single-visit and co-added image depths for the current baseline LSST cadence simulation. Estimated system performance relies on actual measurements of the performance of various system hardware components, and on simulations where measurements are still unavailable. The updated performance estimates meet all the relevant requirements from the LSST Science Requirements Document

Change Record

Version	Date	Description	Owner name
1	YYYY-MM-DD	Unreleased.	federica bianco (she/her/hers)

Document source location: <https://github.com/lstt-pst/pstn-054>



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