



Vera C. Rubin Observatory
Rubin Observatory Operations

Rubin Science Performance Metrics

Leanne Guy, ..., and the DM System Science Team

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Abstract

The document provides the detailed mathematical definitions for all Rubin/LSST science performance metrics. It provides quantitative definitions for all the science performance metrics specified in the LSST Science Requirements document and derived documents as well as additional metrics defined as part of system development.

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Rubin Science Performance Metrics

1 Introduction

2 Science Requirements Document Metrics

The LSST science requirements document and associated derived documents define a set of *Science Performance Metrics* that are used to quantify the performance of the LSST.

2.1 Image Quality Metrics

2.2 Photometric Metrics

2.3 Astrometric Metrics

3 Additional Science Performance Metrics

A References

B Acronyms

Acronym	Description
DM	Data Management
LSST	Legacy Survey of Space and Time (formerly Large Synoptic Survey Telescope)
OPS	Operations
RTN	Rubin Technical Note