



Vera C. Rubin Observatory
Data Management

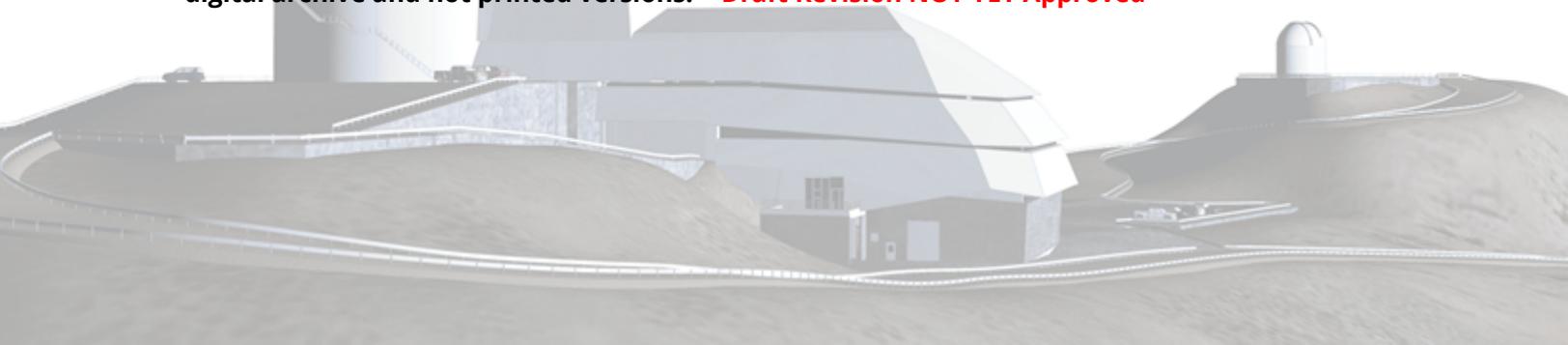
Rubin Observatory LSST Science Validation Plan

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LSE-439

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Abstract

This is the LSST Science Validation Plan. We define the goals, scope and timelines for LSST Science Validation.

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Contents

1 Introduction	1
1.1 Objectives	1
1.2 Scope	1
1.3 Assumptions	1
2 Approach	1
3 Validation Activities	2
4 Validation Timeline	2
A References	2
B Acronyms	2

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Rubin Observatory LSST Science Validation Plan

1 Introduction

This document provides the Science Validation Plan for the Rubin Observatory Legacy Survey of Space and Time (LSST). This Science Validation Plan describes the plans for validating the data products produced by the Rubin Observatory LSST Science Pipelines.

1.1 Objectives

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We describe the approach to scientific validation of the LSST data products together with the various constraints and limitations. We present the validation program and timeline for the partially and fully integrated Rubin Observatory system.

1.2 Scope

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1.3 Assumptions

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2 Approach

This document describes the approach adopted for scientifically validating the LSST data products and services. The LSST Science Requirements are described in LPM-17.

3 Validation Activities

Here we detail the proposed validation activities covering all aspects of the LSST science drivers outlined in ? and the LSST science requirements document LSE-17

4 Validation Timeline

The following presents the tome line for science science validation of the partial and fully integrated system.

A References

- [1] **[LSE-17]**, Claver, C., Angeli, G., Selvy, B., 2016, *Systems Engineering Management Plan*, LSE-17, URL <https://ls.st/LSE-17>
- [2] **[LPM-17]**, Ivezić, Ž., The LSST Science Collaboration, 2018, *LSST Science Requirements Document*, LPM-17, URL <https://ls.st/LPM-17>

B Acronyms

Acronym	Description
DM	Data Management
LPM	LSST Project Management (Document Handle)
LSE	LSST Systems Engineering (Document Handle)
LSST	Legacy Survey of Space and Time (formerly Large Synoptic Survey Telescope)