





















The Vera C. Rubin Observatory Data Preview 2

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ABSTRACT

We present Rubin Data Preview 2 (DP2), the second data preview from the NSF-DOE Vera C. Rubin Observatory,

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1. INTRODUCTION

2. COMMISSIONING WITH LSSTCAM

3. OVERVIEW OF THE CONTENTS OF RUBIN DP2

4. DATA RELEASE PROCESSING

5. PERFORMANCE CHARACTERIZATION AND KNOWN ISSUES

6. RUBIN SCIENCE PLATFORM

7. SUPPORT FOR COMMUNITY SCIENCE

8. SUMMARY AND FUTURE RELEASES

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59 *Facilities:* Rubin:Simonyi (LSSTComCam), Ru-
 60 bin:USDAC

61 *Software:* Rubin Data Butler (Jenness et al. 2022),
 62 LSST Science Pipelines (Rubin Observatory Science
 63 Pipelines Developers 2025), LSST Feature Based Sched-
 64 uler v3.0 (Yoachim et al. 2024; Naghib et al. 2019) As-
 65 trophy (Astropy Collaboration et al. 2013, 2018, 2022)
 66 PIFF (Jarvis et al. 2021), GBDES (Bernstein 2022),
 67 Qserv (Wang et al. 2011; Mueller et al. 2025), Slurm,
 68 HTCondor, CVMFS, FTS3, ESNet

69 APPENDIX

70 Glossary

71 **Association of Universities for Research in Astronomy:**

72 consortium of US institutions and international
 73 affiliates that operates world-class astronomical
 74 observatories, AURA is the legal entity respon-
 75 sible for managing what it calls independent
 76 operating Centers, including LSST, under respec-
 77 tive cooperative agreements with the National
 78 Science Foundation. AURA assumes fiducial

79 responsibility for the funds provided through
 80 those cooperative agreements. AURA also is the
 81 legal owner of the AURA Observatory properties
 82 in Chile.

83 **AURA:** [Association of Universities for Research in As-](#)
 84 [tronomy.](#)

85 **DP2:** Data Preview 2.

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