















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,

Keywords: Rubin Observatory - LSST

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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Facilities: Rubin:Simonyi (LSSTComCam), Rubin:USDAC

Software: Rubin Data Butler (Jenness et al. 2022), LSST Science Pipelines (Rubin Observatory Science Pipelines Developers 2025), LSST Feature Based Scheduler v3.0 (Yoachim et al. 2024; ?) Astropy (Astropy Collaboration et al. 2013, 2018, 2022) PIFF (?), GBDES

59 (Bernstein 2022), Qserv (Wang et al. 2011; ?), Slurm,
60 HTCondor, CVMFS, FTS3, ESNNet

61 APPENDIX

62 Glossary

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

64 consortium of US institutions and international
65 affiliates that operates world-class astronomical
66 observatories, AURA is the legal entity respon-
67 sible for managing what it calls independent
68 operating Centers, including LSST, under respec-
69 tive cooperative agreements with the National
70 Science Foundation. AURA assumes fiducial

71 responsibility for the funds provided through
72 those cooperative agreements. AURA also is the
73 legal owner of the AURA Observatory properties
74 in Chile.

75 **AURA:** Association of Universities for Research in As-
76 tronomy.

77 **DP2:** Data Preview 2.

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