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Draft version February 23, 2020
Typeset using LaTeX **modern** style in AASTeX62

Vera C. Rubin Observatory LSST Camera Design and Delivered Performance

(Dated: February 23, 2020)

ABSTRACT

A major overview paper with two main components: (i) as-built design, based on the design report with updates. This part can be prepared in advance. (ii) performance relevant to science, as determined during Camera fabrication and I&T. This part will be completed before or around the time of Camera delivery. It might be updated after Camera re-verification on the summit.

1. INTRODUCTION

Editor: S. Ritz
(1-2 pages)
Includes connections to other papers, starting with the Overview paper, and the LSST observatory system.
Starting point is LCA-11591, the Camera Final Design Report.

2. REQUIREMENTS AND DESIGN OVERVIEW

Editor: S. Ritz
(5-10 pages)

2.1. *Summary of requirements*

2.1.1. *Details of Camera requirements related to science performance*

2.1.2. *Summary of functional and related requirements*

2.1.3. *Additional requirements*

Mechanical, etc, will just be listed.

2.2. *Overview of Design*

...which will lead directly into the rest of the sections. We will likely follow the path of the light through the Camera.

3. OPTICS

Editors: S. Ritz and J. Wolfe
(8 pages)

Acronym	Description
I&T	Integration and Test
LSST	Large Synoptic Survey Telescope