



Vera C. Rubin Observatory
Data Management

The Monster: a southern reference catalog with synthetic ugrizy fluxes for the Vera C. Rubin observatory

Peter Ferguson

DMTN-277

Latest Revision: 2023-12-12



Abstract

In order to facilitate bootstrap photometric calibrations of early Rubin Observatory data we have created the Monster. This reference catalog uses a ranked order set of other reference catalogs to generate synthetic ugrizy fluxes that can be used calibrate images processed with the LSST science pipelines. This document describes the methodology used to create the Monster, documents the input reference catalogs, and performs basic data validation the Monster reference catalog.

Change Record

Version	Date	Description	Owner name
1	YYYY-MM-DD	Unreleased.	Peter Ferguson

Document source location: <https://github.com/lsst-dm/dmtn-277>

Contents

A References **1**

B Acronyms **1**

The Monster: a southern reference catalog with synthetic ugrizy fluxes for the Vera C. Rubin observatory

A References

B Acronyms

Acronym	Description
DM	Data Management