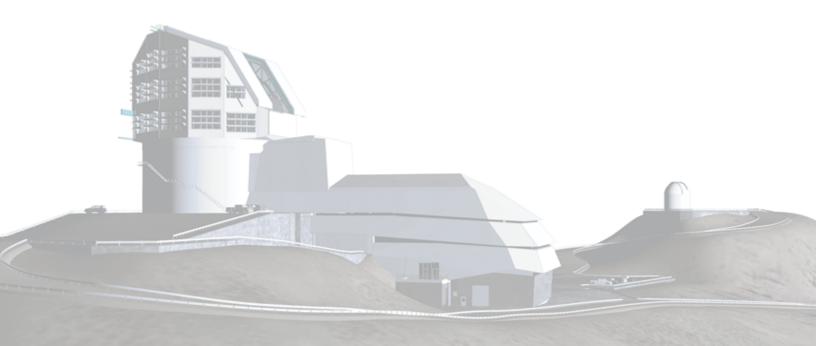
Vera C. Rubin Observatory Data Management

Host Galaxy Association for DIAObjects

Melissa Graham

DMTN-151

Latest Revision: 2020-05-11



Abstract

This document argues that, in order to better enable extragalactic transient science with brokers, two new DIAObject catalog elements should be computed and included in the alert packets: (1) the objectId for the three Object catalog galaxies with the lowest separation distance (based on the galaxy's 2D luminosity profile) from the DIAObject, and (2) the separation distances for those three Objects.

Change Record

Version	Date	Description	Owner name
1	YYYY-MM-	Unreleased.	Melissa Graham
	DD		

Document source location: https://github.com/lsst-dm/dmtn-151

DMTN-151

Latest Revision 2020-05-11

Rubin Observatory

Contents

A References	1
B Acronyms	1

Host Galaxy Association for DIAObjects

- **A** References
- References
- **B** Acronyms