

Rubin Observatory

Vera C. Rubin Observatory
Data Management

Host Galaxy Association for DIAObjects

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DMTN-151

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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-DD	Unreleased.	Melissa Graham

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

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