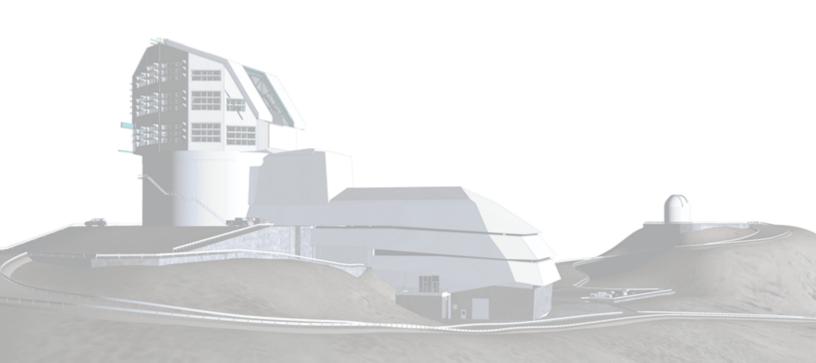# Rubin Observatory

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Data Management

LSST Processing of Gravitational Wave TOO Data in the Early Operations Era

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RTN-008

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Rubin Observatory

Abstract

Since the watershed discovery of an electromagnetic counterpart to the LIGO grav-
itational wave source GW170817, multi-messenger astrophysics has emerged as a
major area of strategic focus for the NSF. LSST's depth, survey speed, and data man-
agement systems will make it a key asset in the search for EM counterparts. Exploit-
ing this capability in the first year of LSST operations (GW observing run O4) may
require special actions, however. We discuss potential approaches to data access,
reference building, and special data processing.

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Change Record

Version	Date	Description	Owner name
1	YYYY-MM-DD	Unreleased.	Leanne Guy

Document source location: `https://github.com/rubin-observatory/rtn-008`

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