

Singer+ 2014, ApJ, 795, 105

end-to-end demonstration of aLIGO realtime analysis
sky localization + morphology
"first detection" scenarios
transition from 2 to 3 detectors

Berry+ 2015, ApJ, 804, 118

+glitchy ("recolored") noise
mass and distance estimates

Farr+ 2015, in prep.

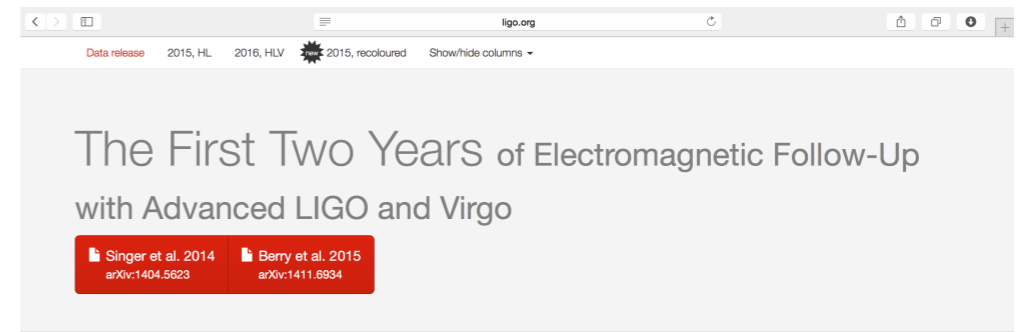
full parameter estimation

www.ligo.org/scientists/first2years

interactive sky map atlas
machine readable catalog
sample FITS files
3D sky map viewer

THE FIRST TWO YEARS

of Electromagnetic Follow-
Up with Advanced LIGO
and Virgo



This web page provides additional online material related to the paper "The First Two Years of Electromagnetic Follow-Up with Advanced LIGO and Virgo" and the follow-up paper "Parameter Estimation for Binary Neutron-Star Coalescences with

Instructions
You can use the tables in the 2015, 2016, and 2015, recoloured tabs above to browse through all of the events and sky maps in the study. You can sort on any column by clicking its header, or show and hide columns using the Show/Hide columns button above. You can also use this menu to switch the image previews between equatorial (RA, Dec) and geographic (longitude, latitude) coordinates

Source codes
Here are some LIGO/Virgo source codes that were used to prepare this dataset:

- GSTLAL inspiral detection pipeline (project page and source repository)
- LALSuite: LIGO Algorithm Library (project page)
- XLALSinInspira1SpinTaylorT4

