

Attachment Number 2

To the Memorandum of Understanding (LIGO-M0900312, VIR-0109A-10)

between the

IceCube Collaboration

and the

Laser Interferometer Gravitational Wave Observatory (LIGO) Scientific Collaboration

and

Virgo

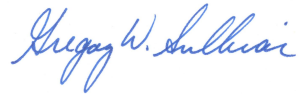
December 31, 2011

The Attachment No. 1 to the Memorandum of Understanding (MOU) signed on Jan 26, 2010 between the IceCube Collaboration, the Laser Interferometer Gravitational-Wave Observatory Scientific Collaboration (LSC) and Virgo defines the terms and conditions governing the joint analysis of LSC, Virgo and IceCube data¹ collected during LIGO's S5 science run (covering the period from November 4, 2005 through September 30, 2007) and S6 science run (covering the period from July 7, 2009 through October 21, 2010), Virgo's VSR1 science run (covering the period from May 18, 2007 through September 30, 2007) and VSR2 science run (covering the period from July 7, 2009 through January 8, 2010) and VSR3 (covering the period from June 26, 2010 through October 21, 2010), and IceCube's 22-string science run (covering the period from May 31, 2007 through April 4, 2008) and IC59 and IC79 science runs (covering the period from May 20, 2009 through May 12, 2011). Attachment No. 1 defines an original time frame ending on December 31, 2011.

With the present Attachment No. 2 to the same MOU, the parties to the Memorandum of Understanding hereby agree to extend the original time frame for a period of three years from the end of the former agreement, enabling and encouraging the continuation of the analysis effort.

Therefore, this analysis effort may not continue beyond December 31, 2014 without the explicit extension of this Attachment agreed to by all parties.

¹ LSC data includes data from the LIGO and GEO detectors.



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LIGO Laboratory Executive Director

Gregory Sullivan
IceCube Spokesperson

Date

3/21/2012
Date

Gabriela Gonzalez
LSC Spokesperson

Albert Lazzarini
LIGO Laboratory Deputy Director

Date

Date

Federico Ferrini
Director of EGO

Jean-Yves Vinet
VIRGO Spokesperson

Date

Date

Bernard Schutz
GEO 600 Principal Investigator for Data Analysis

Date