



Erratum: “First Search for Gravitational Waves from Known Pulsars with Advanced LIGO” (2017, ApJ, 839, 12)

B. P. Abbott¹, R. Abbott¹, T. D. Abbott², M. R. Abernathy³, F. Acernese^{4,5}, K. Ackley⁶, C. Adams⁷, T. Adams⁸, P. Addresso⁹, R. X. Adhikari¹, V. B. Adya¹⁰, C. Affeldt¹⁰, M. Agathos¹¹, K. Agatsuma¹¹, N. Aggarwal¹², O. D. Aguiar¹³, L. Aiello^{14,15}, A. Ain¹⁶, P. Ajith¹⁷, B. Allen^{10,18,19}, A. Allocca^{20,21}, P. A. Altin²², A. Ananyeva¹, S. B. Anderson¹, W. G. Anderson¹⁸, S. Appert¹, K. Arai¹, M. C. Araya¹, J. S. Areeda²³, N. Arnaud²⁴, K. G. Arun²⁵, S. Ascenzi^{26,15}, G. Ashton¹⁰, M. Ast²⁷, S. M. Aston⁷, P. Astone²⁸, P. Aufmuth¹⁹, C. Aulbert¹⁰, A. Avila-Alvarez²³, S. Babak²⁹, P. Bacon³⁰, M. K. M. Bader¹¹, P. T. Baker³¹, F. Baldaccini^{32,33}, G. Ballardin³⁴, S. W. Ballmer³⁵, J. C. Barayoga¹, S. E. Barclay³⁶, B. C. Barish¹, D. Barker³⁷, F. Barone^{4,5}, B. Barr³⁶, L. Barsotti¹², M. Barsuglia³⁰, D. Barta³⁸, J. Bartlett³⁷, I. Bartos³⁹, R. Bassiri⁴⁰, A. Basti^{20,21}, J. C. Batch³⁷, C. Baune¹⁰, V. Bavigadga³⁴, M. Bazzan^{41,42}, C. Beer¹⁰, M. Bejger⁴³, I. Belahcene²⁴, M. Belgin⁴⁴, A. S. Bell³⁶, B. K. Berger¹, G. Bergmann¹⁰, C. P. L. Berry⁴⁵, D. Bersanetti^{46,47}, A. Bertolini¹¹, J. Betzwieser⁷, S. Bhagwat³⁵, R. Bhandare⁴⁸, I. A. Bilenko⁴⁹, G. Billingsley¹, C. R. Billman⁶, J. Birch⁷, R. Birney⁵⁰, O. Birnholtz¹⁰, S. Biscans^{12,1}, A. Bisht¹⁹, M. Bitossi³⁴, C. Biwer³⁵, M. A. Bizouard²⁴, J. K. Blackburn¹, J. Blackman⁵¹, C. D. Blair⁵², D. G. Blair⁵², R. M. Blair³⁷, S. Bloemen⁵³, O. Bock¹⁰, M. Boer⁵⁴, G. Bogaert⁵⁴, A. Bohe²⁹, F. Bondu⁵⁵, R. Bonnand⁸, B. A. Boom¹¹, R. Bork¹, V. Boschi^{20,21}, S. Bose^{16,56}, Y. Bouffanais³⁰, A. Bozzi³⁴, C. Bradaschia²¹, P. R. Brady¹⁸, V. B. Braginsky^{49,153}, M. Branchesi^{57,58}, J. E. Brau⁵⁹, T. Briant⁶⁰, A. Brillet⁵⁴, M. Brinkmann¹⁰, V. Brisson²⁴, P. Brockill¹⁸, J. E. Broida⁶¹, A. F. Brooks¹, D. A. Brown³⁵, D. D. Brown⁴⁵, N. M. Brown¹², S. Brunett¹, C. C. Buchanan², A. Buikema¹², T. Bulik⁶², H. J. Bulten^{11,63}, A. Buonanno^{29,64}, D. Buskulic⁸, C. Buy³⁰, R. L. Byer⁴⁰, M. Cabero¹⁰, L. Cadonati⁴⁴, G. Cagnoli^{65,66}, C. Cahillane¹, J. Calderón Bustillo⁴⁴, T. A. Callister¹, E. Calloni^{5,67}, J. B. Camp⁶⁸, M. Canepa^{46,47}, K. C. Cannon⁶⁹, H. Cao⁷⁰, J. Cao⁷¹, C. D. Capano¹⁰, E. Capocasa³⁰, F. Carbognani³⁴, S. Caride⁷², J. Casanueva Diaz²⁴, C. Casentini^{26,15}, S. Caudill¹⁸, M. Cavaglia⁷³, F. Cavalier²⁴, R. Cavalieri³⁴, G. Cella²¹, C. B. Cepeda¹, L. Cerboni Baiardi^{57,58}, G. Cerretani^{20,21}, E. Cesarini^{15,26}, S. J. Chamberlin⁷⁴, M. Chan³⁶, S. Chao⁷⁵, P. Charlton⁷⁶, E. Chassande-Mottin³⁰, B. D. Cheeseboro³¹, H. Y. Chen⁷⁷, Y. Chen⁵¹, H.-P. Cheng⁶, A. Chincarini⁴⁷, A. Chiummo³⁴, T. Chmiel⁷⁸, H. S. Cho⁷⁹, M. Cho⁶⁴, J. H. Chow²², N. Christensen⁶¹, Q. Chu⁵², A. J. K. Chua⁸⁰, S. Chua⁶⁰, S. Chung⁵², G. Ciani⁶, F. Clara³⁷, J. A. Clark⁴⁴, F. Cleva⁵⁴, C. Cocchieri⁷³, E. Coccia^{14,15}, P.-F. Cohadon⁶⁰, A. Colla^{28,81}, C. G. Collette⁸², L. Cominsky⁸³, M. Constanancio Jr.¹³, L. Conti⁴², S. J. Cooper⁴⁵, T. R. Corbitt², N. Cornish⁸⁴, A. Corsi⁷², S. Cortese³⁴, C. A. Costa¹³, M. W. Coughlin⁶¹, S. B. Coughlin⁸⁵, J.-P. Coulon⁵⁴, S. T. Countryman³⁹, P. Couvares¹, P. B. Covas⁸⁶, E. E. Cowan⁴⁴, D. M. Coward⁵², M. J. Cowart⁷, D. C. Coyne¹, R. Coyne⁷², J. D. E. Creighton¹⁸, T. D. Creighton⁸⁷, J. Cripe², S. G. Crowder⁸⁸, T. J. Cullen²³, A. Cumming³⁶, L. Cunningham³⁶, E. Cuomo³⁴, T. Dal Canton⁶⁸, S. L. Danilishin³⁶, S. D’Antonio¹⁵, K. Danzmann^{10,19}, A. Dasgupta⁸⁹, C. F. Da Silva Costa⁶, V. Dattilo³⁴, I. Dave⁴⁸, M. Davier²⁴, G. S. Davies³⁶, D. Davis³⁵, E. J. Daw⁹⁰, B. Day⁴⁴, R. Day³⁴, S. De³⁵, D. DeBra⁴⁰, G. Debreczeni³⁸, J. Degallaix⁶⁵, M. De Laurentis^{5,67}, S. Deléglise⁶⁰, W. Del Pozzo⁴⁵, T. Denker¹⁰, T. Dent¹⁰, V. Dergachev²⁹, R. De Rosa^{5,67}, R. T. DeRosa⁷, R. DeSalvo⁹¹, J. Devenson⁵⁰, R. C. Devine³¹, S. Dhurandhar¹⁶, M. C. Díaz⁸⁷, L. Di Fiore⁵, M. Di Giovanni^{92,93}, T. Di Girolamo^{5,67}, A. Di Lieto^{20,21}, S. Di Pace^{28,81}, I. Di Palma^{28,29,81}, A. Di Virgilio²¹, Z. Doctor⁷⁷, V. Dolique⁶⁵, F. Donovan¹², K. L. Dooley⁷³, S. Doravari¹⁰, I. Dorrington⁹⁴, R. Douglas³⁶, M. Dova Álvarez⁴⁵, T. P. Downes¹⁸, M. Drago¹⁰, R. W. P. Drever¹, J. C. Driggers³⁷, Z. Du⁷¹, M. Ducrot⁸, S. E. Dwyer³⁷, T. B. Edo⁹⁰, M. C. Edwards⁶¹, A. Effler⁷, H.-B. Eggenstein¹⁰, P. Ehrens¹, J. Eichholz¹, S. S. Eikenberry⁶, R. A. Eisenstein¹², R. C. Essick¹², Z. Etienne³¹, T. Etzel¹, M. Evans¹², T. M. Evans⁷, R. Everett⁷⁴, M. Factourovich³⁹, V. Fafone^{15,14,26}, H. Fair³⁵, S. Fairhurst⁹⁴, X. Fan⁷¹, S. Farinon⁴⁷, B. Farr⁷⁷, W. M. Farr⁴⁵, E. J. Fauchon-Jones⁹⁴, M. Favata⁹⁵, M. Fays⁹⁴, H. Fehrmann¹⁰, M. M. Fejer⁴⁰, A. Fernández Galiana¹², I. Ferrante^{20,21}, E. C. Ferreira¹³, F. Ferrini³⁴, F. Fidecaro^{20,21}, I. Fiori³⁴, D. Fiorucci³⁰, R. P. Fisher³⁵, R. Flaminio^{65,96}, M. Fletcher³⁶, H. Fong⁹⁷, S. S. Forsyth⁴⁴, J.-D. Fournier⁵⁴, S. Frasca^{28,81}, F. Frasconi²¹, Z. Frei⁹⁸, A. Freise⁴⁵, R. Frey⁵⁹, V. Frey²⁴, E. M. Fries¹, P. Fritschel¹², V. V. Frolov⁷, P. Fulda^{6,68}, M. Fyffe⁷, H. Gabbard¹⁰, B. U. Gadre¹⁶, S. M. Gaebel⁴⁵, J. R. Gair⁹⁹, L. Gammaitoni³², S. G. Gaonkar¹⁶, F. Garufi^{5,67}, G. Gaur¹⁰⁰, V. Gayathri¹⁰¹, N. Gehrels⁶⁸, G. Gemme⁴⁷, E. Genin³⁴, A. Gennai²¹, J. George⁴⁸, L. Gergely¹⁰², V. Germain⁸, S. Ghonge¹⁷, Abhirup Ghosh¹⁷, Archisman Ghosh^{11,17}, S. Ghosh^{11,53}, J. A. Giaime^{2,7}, K. D. Giardina⁷, A. Giazotto²¹, K. Gill¹⁰³, A. Glaefke³⁶, E. Goetz¹⁰, R. Goetz⁶, L. Gondan⁹⁸, G. González², J. M. Gonzalez Castro^{20,21}, A. Gopakumar¹⁰⁴, M. L. Gorodetsky⁴⁹, S. E. Gossan¹, M. Gosselin³⁴, R. Gouaty⁸, A. Grado^{105,5}, C. Graef³⁶, M. Granata⁶⁵, A. Grant³⁶, S. Gras¹², C. Gray³⁷, G. Greco^{57,58}, A. C. Green⁴⁵, P. Groot⁵³, H. Grote¹⁰, S. Grunewald²⁹, G. M. Guidi^{57,58}, X. Guo⁷¹, A. Gupta¹⁶, M. K. Gupta⁸⁹, K. E. Gushwa¹, E. K. Gustafson¹, R. Gustafson¹⁰⁶, J. J. Hacker²³, B. R. Hall⁵⁶, E. D. Hall¹, G. Hammond³⁶, M. Haney¹⁰⁴, M. M. Hanke¹⁰, J. Hanks³⁷, C. Hanna⁷⁴, J. Hanson⁷, T. Hardwick², J. Harms^{57,58}, G. M. Harry³, I. W. Harry²⁹, M. J. Hart³⁶, M. T. Hartman⁶, C.-J. Haster^{45,97}, K. Haughian³⁶, J. Healy¹⁰⁷, A. Heidmann⁶⁰, M. C. Heintze⁷, H. Heitmann⁵⁴, P. Hello²⁴, G. Hemming³⁴, M. Hendry³⁶, I. S. Heng³⁶, J. Hennig³⁶, J. Henry¹⁰⁷, A. W. Heptonstall¹, M. Heurs^{10,19}, S. Hild³⁶, D. Hoak³⁴, D. Hofman⁶⁵, K. Holt⁷, D. E. Holz⁷⁷, P. Hopkins⁹⁴, J. Hough³⁶, E. A. Houston³⁶, E. J. Howell⁵², Y. M. Hu¹⁰, E. A. Huerta¹⁰⁸, D. Huet²⁴, B. Hughey¹⁰³, S. Husa⁸⁶, S. H. Huttner³⁶, T. Huynh-Dinh⁷, N. Indik¹⁰, D. R. Ingram³⁷, R. Inta⁷², H. N. Isa³⁶, J.-M. Isac⁶⁰, M. Isi¹, T. Isogai¹², B. R. Iyer¹⁷, K. Izumi³⁷, T. Jacqmin⁶⁰, K. Jani⁴⁴, P. Jaranowski¹⁰⁹, S. Jawahar¹¹⁰, F. Jiménez-Forteza⁸⁶, W. W. Johnson², D. I. Jones¹¹¹, R. Jones³⁶, R. J. G. Jonker¹¹, L. Ju⁵², J. Junker¹⁰, C. V. Kalaghatgi⁹⁴, V. Kalogera⁸⁵, S. Kandhasamy⁷³, G. Kang⁷⁹, J. B. Kanner¹, S. Karki⁵⁹, K. S. Karvinen¹⁰, M. Kasprzak², E. Katsavounidis¹²

W. Katzman⁷, S. Kaufer¹⁹, T. Kaur⁵², K. Kawabe³⁷, F. Kéfélian⁵⁴, D. Keitel⁸⁶, D. B. Kelley³⁵, R. Kennedy⁹⁰, J. S. Key¹¹², F. Y. Khalili⁴⁹, I. Khan¹⁴, S. Khan⁹⁴, Z. Khan⁸⁹, E. A. Khazanov¹¹³, N. Kijbunchoo³⁷, Chunglee Kim¹¹⁴, J. C. Kim¹¹⁵, Whansun Kim¹¹⁶, W. Kim⁷⁰, Y.-M. Kim^{114,117}, S. J. Kimbrell⁴⁴, E. J. King⁷⁰, P. J. King³⁷, R. Kirchhoff¹⁰, J. S. Kissel³⁷, B. Klein⁸⁵, L. Kleybolte²⁷, S. Klimenko⁶, P. Koch¹⁰, S. M. Koehlenbeck¹⁰, S. Koley¹¹, V. Kondrashov¹, A. Kontos¹², M. Korobko²⁷, W. Z. Korth¹, I. Kowalska⁶², D. B. Kozak¹, C. Krämer¹⁰, V. Kringel¹⁰, B. Krishnan¹⁰, A. Królak^{118,119}, G. Kuehn¹⁰, P. Kumar⁹⁷, R. Kumar⁸⁹, L. Kuo⁷⁵, A. Kutynia¹¹⁸, B. D. Lackey^{29,35}, M. Landry³⁷, R. N. Lang¹⁸, J. Lange¹⁰⁷, B. Lantz⁴⁰, R. K. Lanza¹², A. Lartaux-Vollard²⁴, P. D. Lasky¹²⁰, M. Laxen⁷, A. Lazzarini¹, C. Lazzaro⁴², P. Leaci^{28,81}, S. Leavey³⁶, E. O. Lebigot³⁰, C. H. Lee¹¹⁷, H. K. Lee¹²¹, H. M. Lee¹¹⁴, K. Lee³⁶, J. Lehmann¹⁰, A. Lenon³¹, M. Leonardi^{92,93}, J. R. Leong¹⁰, N. Leroy²⁴, N. Letendre⁸, Y. Levin¹²⁰, T. G. F. Li¹²², A. Libson¹², T. B. Littenberg¹²³, J. Liu⁵², N. A. Lockerbie¹¹⁰, A. L. Lombardi⁴⁴, L. T. London⁹⁴, J. E. Lord³⁵, M. Lorenzini^{14,15}, V. Lorient¹²⁴, M. Lormand⁷, G. Losurdo²¹, J. D. Lough^{10,19}, C. O. Lousto¹⁰⁷, G. Lovelace²³, H. Lück^{19,10}, A. P. Lundgren¹⁰, R. Lynch¹², Y. Ma⁵¹, S. Macfoy⁵⁰, B. Machenschalk¹⁰, M. MacInnis¹², D. M. Macleod², F. Magaña-Sandoval³⁵, E. Majorana²⁸, I. Maksimovic¹²⁴, V. Malvezzi^{15,26}, N. Man⁵⁴, V. Mandic¹²⁵, V. Mangano³⁶, G. L. Mansell²², M. Manske¹⁸, M. Mantovani³⁴, F. Marchesoni^{33,126}, F. Marion⁸, S. Márka³⁹, Z. Márka³⁹, A. S. Markosyan⁴⁰, E. Maros¹, F. Martelli^{57,58}, L. Martellini⁵⁴, I. W. Martin³⁶, D. V. Martynov¹², K. Mason¹², A. Masserot⁸, T. J. Massinger¹, M. Masso-Reid³⁶, S. Mastrogiovanni^{28,81}, F. Matichard^{1,12}, L. Matone³⁹, N. Mavalvala¹², N. Mazumder⁵⁶, R. McCarthy³⁷, D. E. McClelland²², S. McCormick⁷, C. McGrath¹⁸, S. C. McGuire¹²⁷, G. McIntyre¹, J. McIver¹, D. J. McManus²², T. McRae²², S. T. McWilliams³¹, D. Meacher^{54,74}, G. D. Meadors^{10,29}, J. Meidam¹¹, A. Melatos¹²⁸, G. Mendell³⁷, D. Mendoza-Gandara¹⁰, R. A. Mercer¹⁸, E. L. Merilh³⁷, M. Merzougui⁵⁴, S. Meshkov¹, C. Messenger³⁶, C. Messick⁷⁴, R. Metzdrorff⁶⁰, P. M. Meyers¹²⁵, F. Mezzani^{28,81}, H. Miao⁴⁵, C. Michel⁶⁵, H. Middleton⁴⁵, E. E. Mikhailov¹²⁹, L. Milano^{5,67}, A. L. Miller^{6,28,81}, A. Miller⁸⁵, B. B. Miller⁸⁵, J. Miller¹², M. Millhouse⁸⁴, Y. Minenkov¹⁵, J. Ming²⁹, S. Mirshekari¹³⁰, C. Mishra¹⁷, S. Mitra¹⁶, V. P. Mitrofanov⁴⁹, G. Mitselmakher⁶, R. Mittleman¹², A. Moggi²¹, M. Mohan³⁴, S. R. P. Mohapatra¹², M. Montani^{57,58}, B. C. Moore⁹⁵, C. J. Moore⁸⁰, D. Moraru³⁷, G. Moreno³⁷, S. R. Morriss⁸⁷, B. Mours⁸, C. M. Mow-Lowry⁴⁵, G. Mueller⁶, A. W. Muir⁹⁴, Arunava Mukherjee¹⁷, D. Mukherjee¹⁸, S. Mukherjee⁸⁷, N. Mukund¹⁶, A. Mullavey⁷, J. Munch⁷⁰, E. A. M. Muniz²³, P. G. Murray³⁶, A. Mytidis⁶, K. Napier⁴⁴, I. Nardecchia^{15,26}, L. Naticchioni^{28,81}, G. Nelemans^{11,53}, T. J. N. Nelson⁷, M. Neri^{46,47}, M. Nery¹⁰, A. Neunzert¹⁰⁶, J. M. Newport³, G. Newton³⁶, T. T. Nguyen²², A. B. Nielsen¹⁰, S. Nissanke^{53,11}, A. Nitz¹⁰, A. Noack¹⁰, F. Nocera³⁴, D. Nolting⁷, M. E. N. Normandin⁸⁷, L. K. Nuttall³⁵, J. Oberling³⁷, E. Ochsner¹⁸, E. Oelker¹², G. H. Oggin¹³¹, J. J. Oh¹¹⁶, S. H. Oh¹¹⁶, F. Ohme^{10,94}, M. Oliver⁸⁶, P. Oppermann¹⁰, Richard J. Oram⁷, B. O'Reilly⁷, R. O'Shaughnessy¹⁰⁷, D. J. Ottaway⁷⁰, H. Overmier⁷, B. J. Owen⁷², A. E. Pace⁷⁴, J. Page¹²³, A. Pai¹⁰¹, S. A. Pai⁴⁸, J. R. Palamos⁵⁹, O. Palashov¹¹³, C. Palomba²⁸, A. Pal-Singh²⁷, H. Pan⁷⁵, C. Pankow⁸⁵, F. Pannarale⁹⁴, B. C. Pant⁴⁸, F. Paoletti^{21,34}, A. Paoli³⁴, M. A. Papa^{10,18,29}, H. R. Paris⁴⁰, W. Parker⁷, D. Pascucci³⁶, A. Pasqualetti³⁴, R. Passaquieti^{20,21}, D. Passuello²¹, B. Patricelli^{20,21}, B. L. Pearlstone³⁶, M. Pedraza¹, R. Pedurand^{65,132}, L. Pekowsky³⁵, A. Pele⁷, S. Penn¹³³, C. J. Perez³⁷, A. Perreca¹, L. M. Perri⁸⁵, H. P. Pfeiffer⁹⁷, M. Phelps³⁶, O. J. Piccinni^{28,81}, M. Pichot⁵⁴, F. Piergiovanni^{57,58}, V. Pierro⁹, G. Pillant³⁴, L. Pinard⁶⁵, I. M. Pinto⁹, M. Pitkin³⁶, M. Poe¹⁸, R. Poggiani^{20,21}, P. Popolizio³⁴, A. Post¹⁰, J. Powell³⁶, J. Prasad¹⁶, J. W. W. Pratt¹⁰³, V. Predoi⁹⁴, T. Prestegard^{125,18}, M. Prijatelj^{10,34}, M. Principe⁹, S. Privitera²⁹, R. Prix¹⁰, G. A. Prodi^{92,93}, L. G. Prokhorov⁴⁹, O. Puncken¹⁰, M. Punturo³³, P. Puppo²⁸, M. Pürer²⁹, H. Qi¹⁸, J. Qin⁵², S. Qiu¹²⁰, V. Quetschke⁸⁷, E. A. Quintero¹, R. Quitzow-James⁵⁹, F. J. Raab³⁷, D. S. Rabeling²², H. Radkins³⁷, P. Raffai⁹⁸, S. Raja⁴⁸, C. Rajan⁴⁸, M. Rakhmanov⁸⁷, P. Rapagnani^{28,81}, V. Raymond²⁹, M. Razzano^{20,21}, V. Re²⁶, J. Read²³, T. Regimbau⁵⁴, L. Rei⁴⁷, S. Reid⁵⁰, D. H. Reitze^{1,6}, H. Rew¹²⁹, S. D. Reyes³⁵, E. Rhoades¹⁰³, F. Ricci^{28,81}, K. Riles¹⁰⁶, M. Rizzo¹⁰⁷, N. A. Robertson^{1,36}, R. Robie³⁶, F. Robinet²⁴, A. Rocchi¹⁵, L. Rolland⁸, J. G. Rollins¹, V. J. Roma⁵⁹, R. Romano^{4,5}, J. H. Romie⁷, D. Rosińska^{134,43}, S. Rowan³⁶, A. Rüdiger¹⁰, P. Ruggi³⁴, K. Ryan³⁷, S. Sachdev¹, T. Sadecki³⁷, L. Sadeghian¹⁸, M. Sakellariadou¹³⁵, L. Salconi³⁴, M. Saleem¹⁰¹, F. Salemi¹⁰, A. Samajdar¹³⁶, L. Sammut¹²⁰, L. M. Sampson⁸⁵, E. J. Sanchez¹, V. Sandberg³⁷, J. R. Sanders³⁵, B. Sassolas⁶⁵, B. S. Sathyaprakash^{74,94}, P. R. Saulson³⁵, O. Sauter¹⁰⁶, R. L. Savage³⁷, A. Sawadsky¹⁹, P. Schale⁵⁹, J. Scheuer⁸⁵, E. Schmidt¹⁰³, J. Schmidt¹⁰, P. Schmidt^{1,51}, R. Schnabel²⁷, R. M. S. Schofield⁵⁹, A. Schönbeck²⁷, E. Schreiber¹⁰, D. Schuette^{10,19}, B. F. Schutz^{29,94}, S. G. Schwalbe¹⁰³, J. Scott³⁶, S. M. Scott²², D. Sellers⁷, A. S. Sengupta¹³⁷, D. Sentenac³⁴, V. Sequino^{15,26}, A. Sergeev¹¹³, Y. Setyawati^{11,53}, D. A. Shaddock²², T. J. Shaffer³⁷, M. S. Shahriar⁸⁵, B. Shapiro⁴⁰, P. Shawhan⁶⁴, A. Sheperd¹⁸, D. H. Shoemaker¹², D. M. Shoemaker⁴⁴, K. Siellez⁴⁴, X. Siemens¹⁸, M. Sieniawska⁴³, D. Sigg³⁷, A. D. Silva¹³, A. Singer¹, L. P. Singer⁶⁸, A. Singh^{10,19,29}, R. Singh², A. Singhal¹⁴, A. M. Sintes⁸⁶, B. J. J. Slagmolen²², B. Smith⁷, J. R. Smith²³, R. J. E. Smith¹, E. J. Son¹¹⁶, B. Sorazu³⁶, F. Sorrentino⁴⁷, T. Souradeep¹⁶, A. P. Spencer³⁶, A. K. Srivastava⁸⁹, A. Staley³⁹, M. Steinke¹⁰, J. Steinlechner³⁶, S. Steinlechner^{27,36}, D. Steinmeyer^{10,19}, B. C. Stephens¹⁸, S. P. Stevenson⁴⁵, R. Stone⁸⁷, K. A. Strain³⁶, N. Straniero⁶⁵, G. Stratta^{57,58}, S. E. Strigin⁴⁹, R. Sturani¹³⁰, A. L. Stuver⁷, T. Z. Summerscales¹³⁸, L. Sun¹²⁸, S. Sunil⁸⁹, P. J. Sutton⁹⁴, B. L. Swinkels³⁴, M. J. Szczepańczyk¹⁰³, M. Tacca³⁰, D. Talukder⁵⁹, D. B. Tanner⁶, M. Tápai¹⁰², A. Taracchini²⁹, R. Taylor¹, T. Theeg¹⁰, E. G. Thomas⁴⁵, M. Thomas⁷, P. Thomas³⁷, K. A. Thorne⁷, E. Thrane¹²⁰, T. Tippens⁴⁴, S. Tiwari^{14,93}, V. Tiwari⁹⁴, K. V. Tokmakov¹¹⁰, K. Toland³⁶, C. Tomlinson⁹⁰, M. Tonelli^{20,21}, Z. Tornasi³⁶, C. I. Torrie¹, D. Töyrä⁴⁵, F. Travasso^{32,33}, G. Traylor⁷, D. Trifiro⁷³, J. Trinastic⁶, M. C. Tringali^{92,93}, L. Trozzo^{21,139}, M. Tse¹², R. Tso¹, M. Turconi⁵⁴, D. Tuyenbayev⁸⁷, D. Ugolini¹⁴⁰, C. S. Unnikrishnan¹⁰⁴, A. L. Urban¹, S. A. Usman⁹⁴, H. Vahlbruch¹⁹, G. Vajente¹, G. Valdes⁸⁷, N. van Bakel¹¹, M. van Beuzekom¹¹, J. F. J. van den Brand^{11,63}, C. Van Den Broeck¹¹, D. C. Vander-Hyde³⁵, L. van der Schaaf¹¹, J. V. van Heijningen¹¹, A. A. van Veggel³⁶, M. Vardaro^{41,42}, V. Varma⁵¹, S. Vass¹, M. Vasúth³⁸, A. Vecchio⁴⁵, G. Vedovato⁴², J. Veitch⁴⁵, P. J. Veitch⁷⁰

K. Venkateswara¹⁴¹, G. Venugopalan¹, D. Verkindt⁸, F. Vetranò^{57,58}, A. Vicere^{57,58}, A. D. Viets¹⁸, S. Vinciguerra⁴⁵, D. J. Vine⁵⁰, J.-Y. Vinet⁵⁴, S. Vitale¹², T. Vo³⁵, H. Vocca^{32,33}, C. Vorvick³⁷, D. V. Voss⁶, W. D. Voudsen⁴⁵, S. P. Vyatchanin⁴⁹, A. R. Wade¹, L. E. Wade⁷⁸, M. Wade⁷⁸, M. Walker², L. Wallace¹, S. Walsh^{29,10}, G. Wang^{14,58}, H. Wang⁴⁵, M. Wang⁴⁵, Y. Wang⁵², R. L. Ward²², J. Warner³⁷, M. Was⁸, J. Watchi⁸², B. Weaver³⁷, L.-W. Wei⁵⁴, M. Weinert¹⁰, A. J. Weinstein¹, R. Weiss¹², L. Wen⁵², P. Weßels¹⁰, T. Westphal¹⁰, K. Wette¹⁰, J. T. Whelan¹⁰⁷, B. F. Whiting⁶, C. Whittle¹²⁰, D. Williams³⁶, R. D. Williams¹, A. R. Williamson⁹⁴, J. L. Willis¹⁴², B. Willke^{19,10}, M. H. Wimmer^{10,19}, W. Winkler¹⁰, C. C. Wipf¹, H. Wittel^{10,19}, G. Woan³⁶, J. Woehler¹⁰, J. Worden³⁷, J. L. Wright³⁶, D. S. Wu¹⁰, G. Wu⁷, W. Yam¹², H. Yamamoto¹, C. C. Yancey⁶⁴, M. J. Yap²², Hang Yu¹², Haocun Yu¹², M. Yvert⁸, A. Zadrożny¹¹⁸, L. Zangrando⁴², M. Zanolin¹⁰³, J.-P. Zendri⁴², M. Zevin⁸⁵, L. Zhang¹, M. Zhang¹²⁹, T. Zhang³⁶, Y. Zhang¹⁰⁷, C. Zhao⁵², M. Zhou⁸⁵, Z. Zhou⁸⁵, S. J. Zhu^{10,29}, X. J. Zhu⁵², M. E. Zucker^{1,12}, J. Zweizig¹

(LIGO Scientific Collaboration and Virgo Collaboration),

S. Buchner^{143,144}, I. Cognard^{145,146}, A. Corongiu¹⁴⁷, P. C. C. Freire¹⁴⁸, L. Guillemot^{145,146}, G. B. Hobbs¹⁴⁹, M. Kerr¹⁴⁹, A. G. Lyne¹⁵⁰, A. Possenti¹⁴⁷, A. Ridolfi¹⁴⁸, R. M. Shannon^{151,152}, B. W. Stappers¹⁵⁰, and P. Weltevrede¹⁵⁰

¹LIGO, California Institute of Technology, Pasadena, CA 91125, USA

²Louisiana State University, Baton Rouge, LA 70803, USA

³American University, Washington, DC 20016, USA

⁴Università di Salerno, Fisciano, I-84084 Salerno, Italy

⁵INFN, Sezione di Napoli, Complesso Universitario di Monte S. Angelo, I-80126 Napoli, Italy

⁶University of Florida, Gainesville, FL 32611, USA

⁷LIGO Livingston Observatory, Livingston, LA 70754, USA

⁸Laboratoire d'Annecy-le-Vieux de Physique des Particules (LAPP), Université Savoie Mont Blanc, CNRS/IN2P3, F-74941 Annecy-le-Vieux, France

⁹University of Sannio at Benevento, I-82100 Benevento, Italy and INFN, Sezione di Napoli, I-80100 Napoli, Italy

¹⁰Albert-Einstein-Institut, Max-Planck-Institut für Gravitationsphysik, D-30167 Hannover, Germany

¹¹Nikhef, Science Park, 1098 XG Amsterdam, The Netherlands

¹²LIGO, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

¹³Instituto Nacional de Pesquisas Espaciais, 12227-010 São José dos Campos, São Paulo, Brazil

¹⁴INFN, Gran Sasso Science Institute, I-67100 L'Aquila, Italy

¹⁵INFN, Sezione di Roma Tor Vergata, I-00133 Roma, Italy

¹⁶Inter-University Centre for Astronomy and Astrophysics, Pune 411007, India

¹⁷International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Bengaluru 560089, India

¹⁸University of Wisconsin–Milwaukee, Milwaukee, WI 53201, USA

¹⁹Leibniz Universität Hannover, D-30167 Hannover, Germany

²⁰Università di Pisa, I-56127 Pisa, Italy

²¹INFN, Sezione di Pisa, I-56127 Pisa, Italy

²²Australian National University, Canberra, Australian Capital Territory 0200, Australia

²³California State University Fullerton, Fullerton, CA 92831, USA

²⁴LAL, Univ. Paris-Sud, CNRS/IN2P3, Université Paris-Saclay, F-91898 Orsay, France

²⁵Chennai Mathematical Institute, Chennai 603103, India

²⁶Università di Roma Tor Vergata, I-00133 Roma, Italy

²⁷Universität Hamburg, D-22761 Hamburg, Germany

²⁸INFN, Sezione di Roma, I-00185 Roma, Italy

²⁹Albert-Einstein-Institut, Max-Planck-Institut für Gravitationsphysik, D-14476 Potsdam-Golm, Germany

³⁰APC, AstroParticule et Cosmologie, Université Paris Diderot, CNRS/IN2P3, CEA/Irfu, Observatoire de Paris,

Sorbonne Paris Cité, F-75205 Paris Cedex 13, France

³¹West Virginia University, Morgantown, WV 26506, USA

³²Università di Perugia, I-06123 Perugia, Italy

³³INFN, Sezione di Perugia, I-06123 Perugia, Italy

³⁴European Gravitational Observatory (EGO), I-56021 Cascina, Pisa, Italy

³⁵Syracuse University, Syracuse, NY 13244, USA

³⁶SUPA, University of Glasgow, Glasgow G12 8QQ, UK

³⁷LIGO Hanford Observatory, Richland, WA 99352, USA

³⁸Wigner RCP, RMKI, H-1121 Budapest, Konkoly Thege Miklós út 29-33, Hungary

³⁹Columbia University, New York, NY 10027, USA

⁴⁰Stanford University, Stanford, CA 94305, USA

⁴¹Università di Padova, Dipartimento di Fisica e Astronomia, I-35131 Padova, Italy

⁴²INFN, Sezione di Padova, I-35131 Padova, Italy

⁴³Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences, 00-716, Warsaw, Poland

⁴⁴Center for Relativistic Astrophysics and School of Physics, Georgia Institute of Technology, Atlanta, GA 30332, USA

⁴⁵University of Birmingham, Birmingham B15 2TT, UK

⁴⁶Università degli Studi di Genova, I-16146 Genova, Italy

⁴⁷INFN, Sezione di Genova, I-16146 Genova, Italy

⁴⁸RRCAT, Indore MP 452013, India

⁴⁹Faculty of Physics, Lomonosov Moscow State University, Moscow 119991, Russia

⁵⁰SUPA, University of the West of Scotland, Paisley PA1 2BE, UK

⁵¹Caltech CaRT, Pasadena, CA 91125, USA

⁵²University of Western Australia, Crawley, Western Australia 6009, Australia

⁵³Department of Astrophysics/IMAPP, Radboud University Nijmegen, P.O. Box 9010, 6500 GL Nijmegen, The Netherlands

⁵⁴Artemis, Université Côte d'Azur, CNRS, Observatoire Côte d'Azur, CS 34229, F-06304 Nice Cedex 4, France

⁵⁵Institut de Physique de Rennes, CNRS, Université de Rennes 1, F-35042 Rennes, France

⁵⁶Washington State University, Pullman, WA 99164, USA

⁵⁷Università degli Studi di Urbino "Carlo Bo", I-61029 Urbino, Italy

⁵⁸INFN, Sezione di Firenze, I-50019 Sesto Fiorentino, Firenze, Italy

⁵⁹University of Oregon, Eugene, OR 97403, USA

⁶⁰Laboratoire Kastler Brossel, UPMC-Sorbonne Universités, CNRS, ENS-PSL Research University, Collège de France, F-75005 Paris, France

- ⁶¹ Carleton College, Northfield, MN 55057, USA
- ⁶² Astronomical Observatory Warsaw University, 00-478 Warsaw, Poland
- ⁶³ VU University Amsterdam, 1081 HV Amsterdam, The Netherlands
- ⁶⁴ University of Maryland, College Park, MD 20742, USA
- ⁶⁵ Laboratoire des Matériaux Avancés (LMA), CNRS/IN2P3, F-69622 Villeurbanne, France
- ⁶⁶ Université Claude Bernard Lyon 1, F-69622 Villeurbanne, France
- ⁶⁷ Università di Napoli “Federico II”, Complesso Universitario di Monte S. Angelo, I-80126 Napoli, Italy
- ⁶⁸ NASA/Goddard Space Flight Center, Greenbelt, MD 20771, USA
- ⁶⁹ RESCEU, University of Tokyo, Tokyo, 113-0033, Japan
- ⁷⁰ University of Adelaide, Adelaide, South Australia 5005, Australia
- ⁷¹ Tsinghua University, Beijing 100084, China
- ⁷² Texas Tech University, Lubbock, TX 79409, USA
- ⁷³ The University of Mississippi, University, MS 38677, USA
- ⁷⁴ The Pennsylvania State University, University Park, PA 16802, USA
- ⁷⁵ National Tsing Hua University, Hsinchu City, 30013 Taiwan, Republic of China
- ⁷⁶ Charles Sturt University, Wagga Wagga, New South Wales 2678, Australia
- ⁷⁷ University of Chicago, Chicago, IL 60637, USA
- ⁷⁸ Kenyon College, Gambier, OH 43022, USA
- ⁷⁹ Korea Institute of Science and Technology Information, Daejeon 305-806, Korea
- ⁸⁰ University of Cambridge, Cambridge CB2 1TN, UK
- ⁸¹ Università di Roma “La Sapienza”, I-00185 Roma, Italy
- ⁸² University of Brussels, Brussels 1050, Belgium
- ⁸³ Sonoma State University, Rohnert Park, CA 94928, USA
- ⁸⁴ Montana State University, Bozeman, MT 59717, USA
- ⁸⁵ Center for Interdisciplinary Exploration & Research in Astrophysics (CIERA), Northwestern University, Evanston, IL 60208, USA
- ⁸⁶ Universitat de les Illes Balears, IAC3—IEEC, E-07122 Palma de Mallorca, Spain
- ⁸⁷ The University of Texas Rio Grande Valley, Brownsville, TX 78520, USA
- ⁸⁸ Bellevue College, Bellevue, WA 98007, USA
- ⁸⁹ Institute for Plasma Research, Bhat, Gandhinagar 382428, India
- ⁹⁰ The University of Sheffield, Sheffield S10 2TN, UK
- ⁹¹ California State University, Los Angeles, 5154 State University Drive, Los Angeles, CA 90032, USA
- ⁹² Università di Trento, Dipartimento di Fisica, I-38123 Povo, Trento, Italy
- ⁹³ INFN, Trento Institute for Fundamental Physics and Applications, I-38123 Povo, Trento, Italy
- ⁹⁴ Cardiff University, Cardiff CF24 3AA, UK
- ⁹⁵ Montclair State University, Montclair, NJ 07043, USA
- ⁹⁶ National Astronomical Observatory of Japan, 2-21-1 Osawa, Mitaka, Tokyo 181-8588, Japan
- ⁹⁷ Canadian Institute for Theoretical Astrophysics, University of Toronto, Toronto, Ontario M5S 3H8, Canada
- ⁹⁸ MTA Eötvös University, “Lendulet” Astrophysics Research Group, Budapest 1117, Hungary
- ⁹⁹ School of Mathematics, University of Edinburgh, Edinburgh EH9 3FD, UK
- ¹⁰⁰ University and Institute of Advanced Research, Gandhinagar, Gujarat 382007, India
- ¹⁰¹ IISER-TVM, CET Campus, Trivandrum Kerala 695016, India
- ¹⁰² University of Szeged, Dóm tér 9, Szeged 6720, Hungary
- ¹⁰³ Embry-Riddle Aeronautical University, Prescott, AZ 86301, USA
- ¹⁰⁴ Tata Institute of Fundamental Research, Mumbai 400005, India
- ¹⁰⁵ INAF, Osservatorio Astronomico di Capodimonte, I-80131, Napoli, Italy
- ¹⁰⁶ University of Michigan, Ann Arbor, MI 48109, USA
- ¹⁰⁷ Rochester Institute of Technology, Rochester, NY 14623, USA
- ¹⁰⁸ NCSA, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA
- ¹⁰⁹ University of Białystok, 15-424 Białystok, Poland
- ¹¹⁰ SUPA, University of Strathclyde, Glasgow G1 1XQ, UK
- ¹¹¹ University of Southampton, Southampton SO17 1BJ, UK
- ¹¹² University of Washington Bothell, 18115 Campus Way NE, Bothell, WA 98011, USA
- ¹¹³ Institute of Applied Physics, Nizhny Novgorod, 603950, Russia
- ¹¹⁴ Seoul National University, Seoul 151-742, Korea
- ¹¹⁵ Inje University Gimhae, 621-749 South Gyeongsang, Korea
- ¹¹⁶ National Institute for Mathematical Sciences, Daejeon 305-390, Korea
- ¹¹⁷ Pusan National University, Busan 609-735, Korea
- ¹¹⁸ NCBJ, 05-400 Świerk-Otwock, Poland
- ¹¹⁹ Institute of Mathematics, Polish Academy of Sciences, 00656 Warsaw, Poland
- ¹²⁰ Monash University, Victoria 3800, Australia
- ¹²¹ Hanyang University, Seoul 133-791, Korea
- ¹²² The Chinese University of Hong Kong, Shatin, NT, Hong Kong
- ¹²³ University of Alabama in Huntsville, Huntsville, AL 35899, USA
- ¹²⁴ ESPCI, CNRS, F-75005 Paris, France
- ¹²⁵ University of Minnesota, Minneapolis, MN 55455, USA
- ¹²⁶ Università di Camerino, Dipartimento di Fisica, I-62032 Camerino, Italy
- ¹²⁷ Southern University and A&M College, Baton Rouge, LA 70813, USA
- ¹²⁸ The University of Melbourne, Parkville, Victoria 3010, Australia
- ¹²⁹ College of William and Mary, Williamsburg, VA 23187, USA
- ¹³⁰ Instituto de Física Teórica, University Estadual Paulista/ICTP South American Institute for Fundamental Research, São Paulo SP 01140-070, Brazil
- ¹³¹ Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362 USA
- ¹³² Université de Lyon, F-69361 Lyon, France
- ¹³³ Hobart and William Smith Colleges, Geneva, NY 14456, USA
- ¹³⁴ Janusz Gil Institute of Astronomy, University of Zielona Góra, 65-265 Zielona Góra, Poland
- ¹³⁵ King’s College London, University of London, London WC2R 2LS, UK
- ¹³⁶ IISER-Kolkata, Mohanpur, West Bengal 741252, India

- ¹³⁷ Indian Institute of Technology, Gandhinagar Ahmedabad Gujarat 382424, India
¹³⁸ Andrews University, Berrien Springs, MI 49104, USA
¹³⁹ Università di Siena, I-53100 Siena, Italy
¹⁴⁰ Trinity University, San Antonio, TX 78212, USA
¹⁴¹ University of Washington, Seattle, WA 98195, USA
¹⁴² Abilene Christian University, Abilene, TX 79699, USA
¹⁴³ Square Kilometer Array South Africa, The Park, Park Road, Pinelands, Cape Town 7405, South Africa
¹⁴⁴ Hartebeesthoek Radio Astronomy Observatory, PO Box 443, Krugersdorp, 1740, South Africa
¹⁴⁵ Laboratoire de Physique et Chimie de l'Environnement et de l'Espace, LPC2E, CNRS-Université d'Orléans, F-45071 Orléans, France
¹⁴⁶ Station de Radioastronomie de Nançay, Observatoire de Paris, CNRS/INSU, F-18330 Nançay, France
¹⁴⁷ INAF—Osservatorio Astronomico di Cagliari, via della Scienza 5, 09047 Selargius, Italy
¹⁴⁸ Max-Planck-Institut für Radioastronomie MPIfR, Auf dem Hügel 69, D-53121 Bonn, Germany
¹⁴⁹ CSIRO Astronomy and Space Science, Australia Telescope National Facility, Box 76 Epping, NSW, 1710, Australia
¹⁵⁰ Jodrell Bank Centre for Astrophysics, School of Physics and Astronomy, University of Manchester, Manchester M13 9PL, UK
¹⁵¹ CSIRO Astronomy and Space Science, Australia Telescope National Facility, Box 76 Epping, NSW, 1710, Australia
¹⁵² International Centre for Radio Astronomy Research, Curtin University, Bentley, WA 6102, Australia
- Received 2017 November 13; published 2017 December 13*

There is an error in Equation (4) of the original paper, which should instead be

$$Q_{22} = h_0 \left(\frac{c^4 d}{16\pi^2 G f_{\text{rot}}^2} \right) \sqrt{\frac{15}{8\pi}}. \quad (1)$$

This makes it consistent with Equation (3) of Aasi et al. (2014), which was actually used when calculating the value of the Q_{22} upper limits from the h_0 upper limits for the results of this paper.

References

Aasi, J., Abadie, J., Abbott, B. P., et al. 2014, *ApJ*, **785**, 119

¹⁵³ Deceased, March 2016.