

Planck intermediate results

XV. A study of anomalous microwave emission in Galactic clouds (Corrigendum)

Planck Collaboration: P. A. R. Ade⁷⁷, N. Aghanim⁵³, M. I. R. Alves⁵³, M. Arnaud⁶⁶, F. Atrio-Barandela¹⁸, J. Aumont⁵³, C. Baccigalupi⁷⁶, A. J. Banday^{82,10}, R. B. Barreiro⁶⁰, E. Battaner⁸³, K. Benabed^{54,80}, A. Benoit-Lévy^{24,54,80}, J.-P. Bernard^{82,10}, M. Bersanelli^{32,46}, P. Bielewicz^{82,10,76}, J. Bobin⁶⁶, A. Bonaldi⁶², J. R. Bond⁹, J. Borrill^{13,78}, F. R. Bouchet^{54,80}, F. Boulanger⁵³, C. Burigana^{45,30}, J.-F. Cardoso^{67,1,54}, S. Casassus⁸¹, A. Catalano^{68,65}, A. Chamballu^{66,15,53}, X. Chen⁵², H. C. Chiang^{26,7}, L.-Y. Chiang⁵⁶, P. R. Christensen^{73,35}, D. L. Clements⁵¹, S. Colombi^{54,80}, L. P. L. Colombo^{23,61}, F. Couchot⁶⁴, B. P. Crill^{61,74}, F. Cuttaia⁴⁵, L. Danese⁷⁶, R. D. Davies⁶², R. J. Davis⁶², P. de Bernardis³¹, A. de Rosa⁴⁵, G. de Zotti^{41,76}, J. Delabrouille¹, F.-X. Désert⁵⁰, C. Dickinson^{62,*}, J. M. Diego⁶⁰, S. Donzelli⁴⁶, O. Doré^{61,11}, X. Dupac³⁸, T. A. Enßlin⁷⁰, H. K. Eriksen⁵⁸, F. Finelli^{45,47}, O. Forni^{82,10}, E. Franceschi⁴⁵, S. Galeotta⁴³, K. Ganga¹, R. T. Génova-Santos⁵⁹, T. Ghosh⁵³, M. Giard^{82,10}, J. González-Nuevo^{60,76}, K. M. Górski^{61,84}, A. Gregorio^{33,43,49}, A. Gruppuso⁴⁵, F. K. Hansen⁵⁸, D. L. Harrison^{57,63}, G. Helou¹¹, C. Hernández-Monteagudo^{12,70}, S. R. Hildebrandt¹¹, E. Hivon^{54,80}, M. Hobson⁶, A. Hornstrup¹⁶, A. H. Jaffe⁵¹, T. R. Jaffe^{82,10}, W. C. Jones²⁶, E. Keihänen²⁵, R. Keskitalo^{21,13}, R. Kneissl^{37,8}, J. Knoche⁷⁰, M. Kunz^{17,53,3}, H. Kurki-Suonio^{25,40}, A. Lähteenmäki^{2,40}, J.-M. Lamarre⁶⁵, A. Lasenby^{6,63}, C. R. Lawrence⁶¹, R. Leonardi³⁸, M. Liguori²⁹, P. B. Lilje⁵⁸, M. Linden-Vørnle¹⁶, M. López-Caniego⁶⁰, J. F. Macías-Pérez⁶⁸, B. Maffei⁶², D. Maino^{32,46}, N. Mandolesi^{45,5,30}, D. J. Marshall⁶⁶, P. G. Martin⁹, E. Martínez-González⁶⁰, S. Masi³¹, M. Massardi⁴⁴, S. Matarrese²⁹, P. Mazzotta³⁴, P. R. Meinhold²⁷, A. Melchiorri^{31,48}, L. Mendes³⁸, A. Mennella^{32,46}, M. Migliaccio^{57,63}, M.-A. Miville-Deschênes^{53,9}, A. Moneti⁵⁴, L. Montier^{82,10}, G. Morgante⁴⁵, D. Mortlock⁵¹, D. Munshi⁷⁷, P. Naselsky^{73,35}, F. Nati³¹, P. Natoli^{30,4,45}, H. U. Nørgaard-Nielsen¹⁶, F. Noviello⁶², D. Novikov⁵¹, I. Novikov⁷³, C. A. Oxborrow¹⁶, L. Pagano^{31,48}, F. Pajot⁵³, R. Paladini⁵², D. Paoletti^{45,47}, G. Patanchon¹, T. J. Pearson^{11,52}, M. Peel⁶², O. Perdereau⁶⁴, F. Perrotta⁷⁶, F. Piacentini³¹, M. Piat¹, E. Pierpaoli²³, D. Pietrobon⁶¹, S. Plaszczyński⁶⁴, E. Pointecouteau^{82,10}, G. Polenta^{4,42}, N. Ponthieu^{53,50}, L. Popa⁵⁵, G. W. Pratt⁶⁶, S. Prunet^{54,80}, J.-L. Puget⁵³, J. P. Rachen^{20,70}, R. Rebolo^{59,14,36}, W. Reich⁷¹, M. Reinecke⁷⁰, M. Remazeilles^{62,53,1}, C. Renault⁶⁸, S. Ricciardi⁴⁵, T. Riller⁷⁰, I. Ristorcelli^{82,10}, G. Rocha^{61,11}, C. Rosset¹, G. Roudier^{1,65,61}, J. A. Rubiño-Martín^{59,36}, B. Rusholme⁵², M. Sandri⁴⁵, G. Savini⁷⁵, D. Scott²², L. D. Spencer⁷⁷, V. Stolyarov^{6,63,79}, D. Sutton^{57,63}, A.-S. Suur-Uski^{25,40}, J.-F. Sygnet⁵⁴, J. A. Tauber³⁹, D. Tavagnacco^{43,33}, L. Terenzi⁴⁵, C. T. Tibbs⁵², L. Toffolatti^{19,60}, M. Tomasi⁴⁶, M. Tristram⁶⁴, M. Tucci^{17,64}, L. Valenziano⁴⁵, J. Valiviita^{40,25,58}, B. Van Tent⁶⁹, J. Varis⁷², L. Verstraete⁵³, P. Vielva⁶⁰, F. Villa⁴⁵, B. D. Wandelt^{54,80,28}, R. Watson⁶², A. Wilkinson⁶², N. Ysard²⁵, D. Yvon¹⁵, A. Zacchei⁴³, and A. Zonca²⁷

(Affiliations can be found after the references)

A&A 565, A103 (2014), DOI: 10.1051/0004-6361/201322612e

Key words. HII regions – radiation mechanisms: general – radio continuum: ISM – submillimeter: ISM – errata, addenda

There is a typographical error in the unit of the τ_{250} column of Table 3 of [Planck Collaboration XVI \(2014\)](#), resulting in all τ_{250} values listed being a factor of 10 smaller than they should be.

The values have been multiplied by 10^4 and *not* 10^5 as listed in the previously published version. All the values relating to τ_{250} in the main body of text and figures remain correct.

* Corresponding author: C. Dickinson,
e-mail: clive.dickinson@manchester.ac.uk

References

Planck Collaboration XVI. 2014, *A&A*, **565**, A103

- ¹ APC, AstroParticule et Cosmologie, Université Paris Diderot, CNRS/IN2P3, CEA/Irfu, Observatoire de Paris, Sorbonne Paris Cité, 10, rue Alice Domon et Léonie Duquet, 75205 Paris Cedex 13, France
- ² Aalto University Metsähovi Radio Observatory and Dept of Radio Science and Engineering, PO Box 13000, 00076 Aalto, Finland
- ³ African Institute for Mathematical Sciences, 6-8 Melrose Road, Muizenberg, Cape Town, South Africa
- ⁴ Agenzia Spaziale Italiana Science Data Center, via del Politecnico snc, 00133 Roma, Italy
- ⁵ Agenzia Spaziale Italiana, viale Liegi 26, 00198 Roma, Italy
- ⁶ Astrophysics Group, Cavendish Laboratory, University of Cambridge, J J Thomson Avenue, Cambridge CB3 0HE, UK
- ⁷ Astrophysics & Cosmology Research Unit, School of Mathematics, Statistics & Computer Science, University of KwaZulu-Natal, Westville Campus, Private Bag X54001, 4000 Durban, South Africa
- ⁸ Atacama Large Millimeter/submillimeter Array, ALMA Santiago Central Offices, Alonso de Cordova 3107, Vitacura, Casilla 763 0355, Santiago, Chile
- ⁹ CITA, University of Toronto, 60 St. George St., Toronto, ON M5S 3H8, Canada
- ¹⁰ CNRS, IRAP, 9 Av. colonel Roche, BP 44346, 31028 Toulouse Cedex 4, France
- ¹¹ California Institute of Technology, Pasadena, CA 91125, USA
- ¹² Centro de Estudios de Física del Cosmos de Aragón (CEFCA), Plaza San Juan, 1, planta 2, 44001 Teruel, Spain
- ¹³ Computational Cosmology Center, Lawrence Berkeley National Laboratory, Berkeley, California, USA
- ¹⁴ Consejo Superior de Investigaciones Científicas (CSIC), 28006 Madrid, Spain
- ¹⁵ DSM/Irfu/SPP, CEA-Saclay, 91191 Gif-sur-Yvette Cedex, France
- ¹⁶ DTU Space, National Space Institute, Technical University of Denmark, Elektrovej 327, 2800 Kgs. Lyngby, Denmark
- ¹⁷ Département de Physique Théorique, Université de Genève, 24, Quai E. Ansermet, 1211 Genève 4, Switzerland
- ¹⁸ Departamento de Física Fundamental, Facultad de Ciencias, Universidad de Salamanca, 37008 Salamanca, Spain
- ¹⁹ Departamento de Física, Universidad de Oviedo, Avda. Calvo Sotelo s/n, Oviedo, Spain
- ²⁰ Department of Astrophysics/IMAPP, Radboud University Nijmegen, PO Box 9010, 6500 GL Nijmegen, The Netherlands
- ²¹ Department of Electrical Engineering and Computer Sciences, University of California, Berkeley, California, USA
- ²² Department of Physics & Astronomy, University of British Columbia, 6224 Agricultural Road, Vancouver, British Columbia, Canada
- ²³ Department of Physics and Astronomy, Dana and David Dornsife College of Letter, Arts and Sciences, University of Southern California, Los Angeles, CA 90089, USA
- ²⁴ Department of Physics and Astronomy, University College London, London WC1E 6BT, UK
- ²⁵ Department of Physics, Gustaf Hällströmin katu 2a, University of Helsinki, 00014 Helsinki, Finland
- ²⁶ Department of Physics, Princeton University, Princeton, NJ 08544, USA
- ²⁷ Department of Physics, University of California, Santa Barbara, California, CA 93106, USA
- ²⁸ Department of Physics, University of Illinois at Urbana-Champaign, 1110 West Green Street, Urbana, Illinois, USA
- ²⁹ Dipartimento di Fisica e Astronomia G. Galilei, Università degli Studi di Padova, via Marzolo 8, 35131 Padova, Italy
- ³⁰ Dipartimento di Fisica e Scienze della Terra, Università di Ferrara, via Saragat 1, 44122 Ferrara, Italy
- ³¹ Dipartimento di Fisica, Università La Sapienza, P. le A. Moro 2, 00185 Roma, Italy
- ³² Dipartimento di Fisica, Università degli Studi di Milano, via Celoria, 16, 20133 Milano, Italy
- ³³ Dipartimento di Fisica, Università degli Studi di Trieste, via A. Valerio 2, 34127 Trieste, Italy
- ³⁴ Dipartimento di Fisica, Università di Roma Tor Vergata, via della Ricerca Scientifica, 1 Roma, Italy
- ³⁵ Discovery Center, Niels Bohr Institute, Blegdamsvej 17, Copenhagen, Denmark
- ³⁶ Dpto. Astrofísica, Universidad de La Laguna (ULL), 38206 La Laguna, Tenerife, Spain
- ³⁷ European Southern Observatory, ESO Vitacura, Alonso de Cordova 3107, Vitacura, Casilla 19001, Santiago, Chile
- ³⁸ European Space Agency, ESAC, Planck Science Office, Camino bajo del Castillo, s/n, Urbanización Villafranca del Castillo, Villanueva de la Cañada, Madrid, Spain
- ³⁹ European Space Agency, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk, The Netherlands
- ⁴⁰ Helsinki Institute of Physics, Gustaf Hällströmin katu 2, University of Helsinki, Helsinki, Finland
- ⁴¹ INAF-Osservatorio Astronomico di Padova, Vicolo dell'Osservatorio 5, 35122 Padova, Italy
- ⁴² INAF-Osservatorio Astronomico di Roma, via di Frascati 33, Monte Porzio Catone, Italy
- ⁴³ INAF-Osservatorio Astronomico di Trieste, via G.B. Tiepolo 11, Trieste, Italy
- ⁴⁴ INAF Istituto di Radioastronomia, via P. Gobetti 101, 40129 Bologna, Italy
- ⁴⁵ INAF/IASF Bologna, via Gobetti 101, Bologna, Italy
- ⁴⁶ INAF/IASF Milano, via E. Bassini 15, Milano, Italy
- ⁴⁷ INFN, Sezione di Bologna, via Irnerio 46, 40126 Bologna, Italy
- ⁴⁸ INFN, Sezione di Roma 1, Università di Roma Sapienza, Piazzale Aldo Moro 2, 00185 Roma, Italy
- ⁴⁹ INFN/National Institute for Nuclear Physics, via Valerio 2, 34127 Trieste, Italy
- ⁵⁰ IPAG: Institut de Planétologie et d'Astrophysique de Grenoble, Université Joseph Fourier, Grenoble 1/CNRS-INSU, UMR 5274, 38041 Grenoble, France
- ⁵¹ Imperial College London, Astrophysics group, Blackett Laboratory, Prince Consort Road, London, SW7 2AZ, UK
- ⁵² Infrared Processing and Analysis Center, California Institute of Technology, Pasadena, CA 91125, USA
- ⁵³ Institut d'Astrophysique Spatiale, CNRS (UMR 8617) Université Paris-Sud 11, Bâtiment 121, Orsay, France
- ⁵⁴ Institut d'Astrophysique de Paris, CNRS (UMR 7095), 98 bis Boulevard Arago, 75014 Paris, France
- ⁵⁵ Institute for Space Sciences, 077125 Bucharest-Magurale, Romania
- ⁵⁶ Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, Taiwan
- ⁵⁷ Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK
- ⁵⁸ Institute of Theoretical Astrophysics, University of Oslo, Blindern, 0371 Oslo, Norway
- ⁵⁹ Instituto de Astrofísica de Canarias, C/Vía Láctea s/n, La Laguna, 38205 Tenerife, Spain
- ⁶⁰ Instituto de Física de Cantabria (CSIC-Universidad de Cantabria), Avda. de los Castros s/n, 39005 Santander, Spain
- ⁶¹ Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, California, USA
- ⁶² Jodrell Bank Centre for Astrophysics, Alan Turing Building, School of Physics and Astronomy, The University of Manchester, Oxford Road, Manchester, M13 9PL, UK
- ⁶³ Kavli Institute for Cosmology Cambridge, Madingley Road, Cambridge, CB3 0HA, UK
- ⁶⁴ LAL, Université Paris-Sud, CNRS/IN2P3, 91898 Orsay, France
- ⁶⁵ LERMA, CNRS, Observatoire de Paris, 61 Avenue de l'Observatoire, 75014 Paris, France
- ⁶⁶ Laboratoire AIM, IRFU/Service d'Astrophysique – CEA/DSM – CNRS – Université Paris Diderot, Bât. 709, CEA-Saclay, 91191 Gif-sur-Yvette Cedex, France

- ⁶⁷ Laboratoire Traitement et Communication de l'Information, CNRS (UMR 5141) and Télécom ParisTech, 46 rue Barrault, 75634 Paris Cedex 13, France
- ⁶⁸ Laboratoire de Physique Subatomique et de Cosmologie, Université Joseph Fourier Grenoble I, CNRS/IN2P3, Institut National Polytechnique de Grenoble, 53 rue des Martyrs, 38026 Grenoble Cedex, France
- ⁶⁹ Laboratoire de Physique Théorique, Université Paris-Sud 11 & CNRS, Bâtiment 210, 91405 Orsay, France
- ⁷⁰ Max-Planck-Institut für Astrophysik, Karl-Schwarzschild-Str. 1, 85741 Garching, Germany
- ⁷¹ Max-Planck-Institut für Radioastronomie, Auf dem Hügel 69, 53121 Bonn, Germany
- ⁷² MilliLab, VTT Technical Research Centre of Finland, Tietotie 3, Espoo, Finland
- ⁷³ Niels Bohr Institute, Blegdamsvej 17, Copenhagen, Denmark
- ⁷⁴ Observational Cosmology, Mail Stop 367-17, California Institute of Technology, Pasadena, CA 91125, USA
- ⁷⁵ Optical Science Laboratory, University College London, Gower Street, London, UK
- ⁷⁶ SISSA, Astrophysics Sector, via Bonomea 265, 34136 Trieste, Italy
- ⁷⁷ School of Physics and Astronomy, Cardiff University, Queens Buildings, The Parade, Cardiff, CF24 3AA, UK
- ⁷⁸ Space Sciences Laboratory, University of California, Berkeley, California, USA
- ⁷⁹ Special Astrophysical Observatory, Russian Academy of Sciences, Nizhnij Arkhyz, Zelenchukskiy region, Karachai-Cherkessian Republic 369167, Russia
- ⁸⁰ UPMC Univ. Paris 06, UMR 7095, 98 bis Boulevard Arago, 75014 Paris, France
- ⁸¹ Universidad de Chile, Casilla 36-D, Santiago, Chile
- ⁸² Université de Toulouse, UPS-OMP, IRAP, 31028 Toulouse Cedex 4, France
- ⁸³ University of Granada, Departamento de Física Teórica y del Cosmos, Facultad de Ciencias, Granada, Spain
- ⁸⁴ Warsaw University Observatory, Aleje Ujazdowskie 4, 00-478 Warszawa, Poland