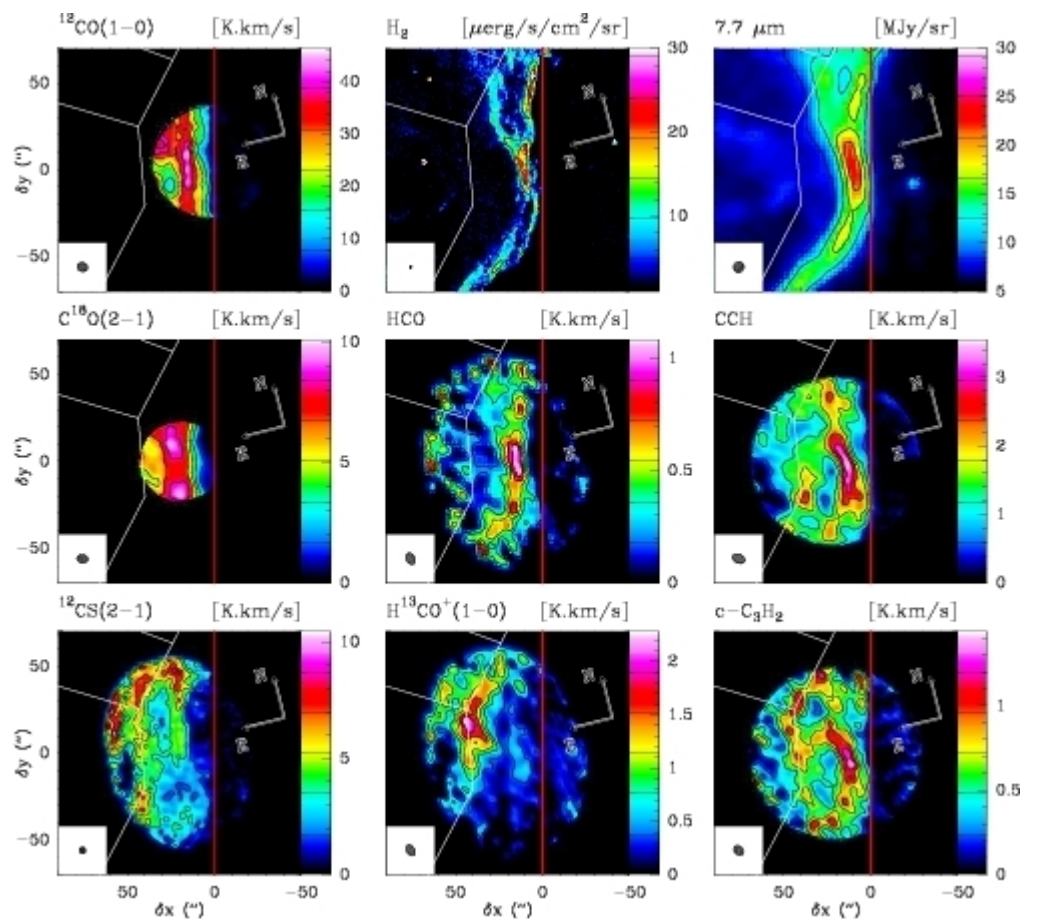


LERMA 2007-2012

Contractualisation vague D
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Bibliography (version 1.1)



Sect. 3. Bibliography

A detailed analysis of the lab's production would need a huge investment to be truly meaningful, so we better stay with simple facts.

The table below shows the distribution among years and thematic poles of refereed and non refereed publications during the reporting period.

Year	ACL Publ.	Pole 1	Pole 2	Pole 3	Pole 4	Overlap
2007	119	37	45	27	18	8
2008	133	40	57	25	21	10
2009	116	27	59	17	17	4
2010	214	50	112	25	87	60
2011	197	81	71	53	51	59
2012	77	31	29	15	10	8
Total	856	266	373	162	204	149

Table 2: Count of refereed publications from the ADS database

Year	Publis ACL	Pôle 1	Pôle 2	Pôle 3	Pôle 4	Overlap
2007	2409	988	798	220	502	99
2008	2239	633	1166	222	290	72
2009	1489	341	852	119	196	19
2010	3283	1394	1412	213	1548	1284
2011	3035	2331	637	1345	1434	2712
2012	239	183	62	20	2	28
Totaux	12694	5870	4927	2139	3972	4214

Table 3: Count of the citations to the refereed publications from the ADS database. Beware the incompleteness of citations to plasma physics, molecular physics, remote sensing and engineering papers in this database

Year	ACL Publ.	Pole 1	Pole 2	Pole 3	Pole 4
2007	20	27	18	8	28
2008	17	16	20	9	14
2009	13	13	14	7	12
2010	15	28	13	9	18
2011	15	29	9	25	28
2012	3	6	2	1	0
Totaux	15	22	13	13	19

Table 4: Average citation rate for the same publications

Year	ACL Publ.	Pole 1	Pole 2	Pole 3	Pole 4
2007	155	153	80	28	155
2008	138	68	138	27	53
2009	74	36	74	29	30
2010	200	200	52	31	146
2011	137	137	87	137	137
2012	32	32	27	4	2
Total	200	200	138	137	155

Table 5: Maximum citation rate from the same survey

These numbers show a sustained production throughout the period at a total rate well over 100 refereed publications per year, and a very significant increase in 2010, essentially due to the outburst of Herschel, Planck and Cassini publications involving LERMA.

These numbers also show a total of individual pole scores some 5-8% larger than the number of papers, indicating significant interactions between the thematic poles, also witnessed by split membership of a few authors, these being not accounted for twice, though. The apparent increase of the inter-pole activity after 2010 is a side effect of the many authors Herschel and Planck publications in recent years, not related to an increased level of interactivity between the thematic poles, yet.

The citation statistics of our 856 articles in refereed journals amounts to a grand total of 12694 citations as referenced in the ADS database, since the beginning of the period, yielding an average of 15 citations par article with a maximum of 200 (and a minimum of 0). The 119 2007 articles have an average citation count of 20, which is indicative of a short lifetime of these articles on average.

A quantitative analysis would only be possible if we could correct for important biases in the ADS survey, for publications outside of the astronomy field, which is far from a negligible fraction of our publications: molecular physics, plasma physics, geophysical and detector physics journals still have a low coverage rate of citations by ADS todate.

Another bias is

The following bibliographic list includes publications issued between January 2007 and mid-2012. It is obviously incomplete for 2012. Our survey has been based on the SAO/NASA Astrophysics Data System (ADS) Abstract Service, and complemented by hand for publications in fields incompletely covered, namely Physics, Earth observations and Engineering.

1. Refereed articles ACL list

ACL references correspond to articles in refereed journals.

Names of authors having been LERMA personal during the period are boldfaced.

Names of authors having left LERMA, but remained closely related to the lab as frequent visitors are slanted in references to publications co-authored by LERMA personal, while their independent publications are not listed.

In absence of a tight accounting system at paper publication Collecting all paper references produced in the Lab is a tricky exercise, as paper publication is delayed compared to residency in the laboratory.

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[ACL-2011-141] Planck Collaboration, A. Abergel, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, K. Blagrove, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, C. M. Cantalupo, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, O. Forni, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard,

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[ACL-2011-142] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, K. Dobashi, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, O. Forni, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, V. Guillet, F. K. Hansen, D. Harrison, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huppenberger, A. H. Jaffe, A. Jones, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, C. Leroy, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, N. Mandolesi, R. Mann, M. Maris, D. J. Marshall, P. Martin, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, P. McGehee, P. R. Meinhold, A. Melchiorri, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, R. Paladini, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, G. Umana, L. Valenziano, L. Verstraete, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XXV. Thermal dust in nearby molecular clouds. *A&A*, 536:A25, Dec. 2011.

[ACL-2011-143] Planck Collaboration, P. A. R. Ade, N. Aghanim, E. Angelakis, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, A. Bonaldi, L. Bonavera, J. R. Bond, J. Borrill, F. R. Bouchet, M. Bucher, C. Burigana, P. Cabella, B. Cappellini, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, X. Chen, L.-Y. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, O. Forni, M. Frailis, E. Franceschi, L. Fuhrmann, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huppenberger, M. Huynh, A. H. Jaffe, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl,

1. Refereed articles ACL list

L. Knox, T. P. Krichbaum, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, N. Lavonen, C. R. Lawrence, **S. Leach**, J. P. Leahy, R. Leonardi, J. León-Tavares, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, M. Massardi, S. Matarrese, F. Matthai, P. Mazzotta, P. R. Meinhold, A. Melchiorri, L. Mendes, A. Mennella, M. Mingaliev, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, I. Nestoras, C. B. Netterfield, E. Nieppola, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, R. Paladini, B. Partridge, F. Pasian, G. Patanchon, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, S. Plaszczyński, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, P. Procopio, S. Prunet, J.-L. Puget, J. P. Rachen, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, D. Riquelme, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, A. Sajina, M. Sandri, P. Savolainen, D. Scott, M. D. Seiffert, A. Sievers, G. F. Smoot, Y. Sotnikova, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, J.-F. Sygnet, J. Tammi, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, M. Tornikoski, J.-P. Torre, M. Tristram, J. Tuovinen, M. Türlér, M. Turunen, G. Umana, H. Ungerechts, L. Valenziano, J. Varis, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, A. Wilkinson, D. Yvon, A. Zacchei, J. A. Zensus, A. Zonca. Planck early results. XIV. ERCSC validation and extreme radio sources. *A&A*, 536:A14, Dec. 2011.

[ACL-2011-144] Planck Collaboration, P. A. R. Ade, N. Aghanim, F. Argüeso, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, J.-P. Bernard, M. Bersanelli, R. Bhatia, A. Bonaldi, L. Bonavera, J. R. Bond, J. Borrill, F. R. Bouchet, M. Bucher, C. Burigana, P. Cabella, B. Cappellini, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, X. Chen, L.-Y. Chiang, P. R. Christensen, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, O. Forni, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, F. K. Hansen, D. Harrison, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, M. Juvela, E. Keihänen, R. Kesitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, J. P. Leahy, R. Leonardi, P. B. Lilje, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, B. Maffei, M. Magliocchetti, D. Maino, N. Mandolesi, R. Mann, M. Maris, E. Martínez-González, S. Masi, M. Massardi, S. Matarrese, F. Matthai, P. Mazzotta, P. R. Meinhold, A. Melchiorri, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. J. O'Dwyer, S. Osborne, F. Pajot, R. Paladini, B. Partridge, F. Pasian, G. Patanchon, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, S. Plaszczyński, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, R. Rebolo, M. Reinecke, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, A. Sajina, M. Sandri, D. Scott, M. D. Seiffert, S. Serjeant, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Stompor, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, M. Türlér, G. Umana, L. Valenziano, J. Varis, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, A. Wilkinson, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XIII. Statistical properties of extragalactic radio sources in the Planck Early Release Compact Source Catalogue. *A&A*, 536:A13, Dec. 2011.

[ACL-2011-145] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, M. Baker, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, K. Bennett, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, T. Bradshaw, M. Bremer, M. Bucher, C. Burigana, R. C. Butler, P. Cabella, C. M. Cantalupo, B. Cappellini, J.-F. Cardoso, R. Carr, M. Casale, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, J. Charra, R.-R. Chary, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, G. Crone, M. Crook, F. Cuttaia, L. Danese, O. D'Arcangelo, R. D. Davies, R. J. Davis, P. de Bernardis, J. de Bruin, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, J. Dick, C. Dickinson, K. Dolag, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, S. Foley, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, M. Freschi, T. C. Gaier, S. Galeotta, J. Gallegos, B. Gandolfo, K. Ganga, M. Giard, G. Giardino, G. Gienger, Y. Giraud-Héraud, J. González, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, G. Guyot, J. Haissinski, F. K. Hansen, D. Harrison,

G. Helou, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, A. Hornstrup, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, T. Jagemann, W. C. Jones, J. J. Juillet, M. Juvela, P. Kangaslahti, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, M. Krassenburg, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. E. Lange, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, J. P. Leahy, R. Leonardi, C. Leroy, P. B. Lilje, M. Linden-Vørnle, M. López-Caniego, S. Lowe, P. M. Lubin, J. F. Macías-Pérez, T. Maciaszek, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, E. Martínez-González, S. Masi, M. Massardi, S. Matarrese, F. Matthai, P. Mazzotta, A. McDonald, P. McGehee, P. R. Meinhold, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, C. Mevi, R. Miscalco, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, N. Morisset, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, I. J. O'Dwyer, I. Ortiz, S. Osborne, P. Osuna, C. A. Oxborrow, F. Pajot, R. Paladini, B. Partridge, F. Pasian, T. Passvogel, G. Patanchon, D. Pearson, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, S. Plaszczynski, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, L. Popa, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, W. T. Reach, R. Rebolo, M. Reinecke, J.-M. Reix, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, E. Salerno, M. Sandri, *D. Santos*, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, A. Simonetto, G. F. Smoot, C. Sozzi, J.-L. Starck, J. Sternberg, F. Stivoli, V. Stolyarov, R. Stompor, L. Stringhetti, R. Sudiwala, R. Sunyaev, J.-F. Sygnet, D. Tapiador, J. A. Tauber, D. Tavagnacco, D. Taylor, L. Terenzi, D. Texier, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, M. Türler, M. Tuttlebee, G. Umana, L. Valenziano, J. Valiviita, J. Varis, L. Vibert, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, C. Watson, S. D. M. White, M. White, A. Wilkinson, D. Yvon, A. Zacchei, A. Zonca. Planck early results. I. The Planck mission. *A&A*, 536:A1, Dec. 2011.

[ACL-2011-146] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, M. Baker, A. Balbi, A. J. Banday, R. B. Barreiro, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, P. Bhandari, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borders, J. Borrill, F. R. Bouchet, B. Bowman, T. Bradshaw, E. Bréelle, M. Bucher, C. Burigana, R. C. Butler, P. Cabella, P. Camus, C. M. Cantalupo, B. Cappellini, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, J. P. Chambelland, J. Charra, M. Charra, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, B. Collaudin, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, M. Crook, F. Cuttaia, C. Damasio, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, J. Delabrouille, J.-M. Delouis, F.-X. Désert, K. Dolag, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, C. Filliard, F. Finelli, S. Foley, O. Forni, P. Fosalba, J.-J. Fourmond, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, E. Gavila, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, G. Guyot, D. Harrison, G. Helou, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, A. Hornstrup, W. Hovest, R. J. Hoyland, K. M. Huffenberger, U. Israelsson, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, P. Lami, A. Lasenby, R. J. Laureijs, A. Lavabre, C. R. Lawrence, **S. Leach**, R. Lee, R. Leonardi, C. Leroy, P. B. Lilje, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, T. Maciaszek, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, P. McGehee, P. R. Meinhold, A. Melchiorri, F. Melot, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, J. Mora, G. Morgante, N. Morisset, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, A. Nash, P. Natoli, C. B. Netterfield, D. Novikov, I. Novikov, I. J. O'Dwyer, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, D. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczynski, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, M. Prina, S. Prunet, J.-L. Puget, J. P. Rachen, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, P. Stassi, F. Stivoli, V. Stolyarov, R. Stompor, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, C. Watson, S. D. M. White, A. Wilkinson, P. Wilson, D. Yvon, A. Zacchei, B. Zhang, A. Zonca. Planck early results. II. The thermal performance of Planck. *A&A*, 536:A2, Dec. 2011.

[ACL-2011-147] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, M. Bartelmann, J. G. Bartlett, E. Battaner, R. Battye, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, M. L. Brown, M. Bucher, C. Burigana, P. Cabella, C. M. Cantalupo, J.-F. Cardoso, P. Carvalho,

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A. Catalano, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, L.-Y. Chiang, C. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, J. M. Diego, K. Dolag, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, P. Eisenhardt, T. A. Enßlin, F. Feroz, F. Finelli, I. Flores-Cacho, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta, K. Ganga, R. T. Génova-Santos, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, R. González-Riestra, K. M. Górski, K. J. B. Grainge, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, P. Heinämäki, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, G. Hurier, N. Hurley-Walker, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, M. Le Jeune, **S. Leach**, R. Leonardi, C. Li, A. Liddle, P. B. Lilje, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, S. Mei, P. R. Meinhold, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, F. Nati, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, M. Olamaie, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, R. Piffaretti, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, E. Saar, M. Sandri, *D. Santos*, R. D. E. Saunders, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, A. Stanford, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Stompou, R. Sudiwala, R. Sunyaev, D. Sutton, J.-F. Sygnet, N. Taburet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, J. Weller, S. D. M. White, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. *A&A*, 536:A8, Dec. 2011.

[ACL-2011-148] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoit, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, H. Bourdin, M. L. Brown, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, J. M. Diego, K. Dolag, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, I. Flores-Cacho, O. Forni, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta, K. Ganga, R. T. Génova-Santos, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, J. Lanoux, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, A. Liddle, P. B. Lilje, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, R. Piffaretti, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, S. D. M. White, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations. *A&A*, 536:A11, Dec. 2011.

[ACL-2011-149] (déplacé en [ACL-2011-156])

- [ACL-2011-150] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, K. Blagrove, J. J. Bock, A. Bonaldi, L. Bonavera, J. R. Bond, J. Borrill, F. R. Bouchet, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, J. Grain, S. Gratton, A. Gregorio, A. Gruppuso, F. K. Hansen, D. Harrison, G. Helou, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, C. Leroy, P. B. Lilje, M. Linden-Vørnle, F. J. Lockman, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, P. Martin, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, A. Melchiorri, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, D. Novikov, I. Novikov, I. J. O'Dwyer, S. Oliver, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, D. Pinheiro Gonçalves, S. Plaszczyński, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, W. T. Reach, M. Reinecke, M. Remazeilles, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Stompor, R. Sudiwala, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, G. Umana, L. Valenziano, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XVIII. The power spectrum of cosmic infrared background anisotropies. *A&A*, 536:A18, Dec. 2011.
- [ACL-2011-151] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, L.-Y. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, O. Forni, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, F. K. Hansen, D. Harrison, G. Helou, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, S. Madden, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, A. Melchiorri, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, B. Partridge, F. Pasian, G. Patanchon, M. Peel, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczyński, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, G. Savini, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, M. Türler, G. Umana, L. Valenziano, J. Varis, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XVI. The Planck view of nearby galaxies. *A&A*, 536:A16, Dec. 2011.
- [ACL-2011-152] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, C. Bot, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor,

1. Refereed articles ACL list

A. Chamballu, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, K. Dobashi, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, O. Forni, M. Frailis, E. Franceschi, Y. Fukui, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, G. Helou, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, A. Kawamura, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, C. Leroy, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, S. Madden, B. Maffei, N. Mandolesi, R. Mann, M. Maris, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, P. R. Meinhold, A. Melchiorri, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, F. Nati, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, T. Onishi, S. Osborne, F. Pajot, R. Paladini, D. Paradis, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, G. Savini, D. Scott, M. D. Seiffert, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, G. Umana, L. Valenziano, J. Varis, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, A. Wilkinson, N. Ysard, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. *A&A*, 536:A17, Dec. 2011.

[ACL-2011-153] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, T. M. Dame, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, K. Dobashi, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, **E. Falgarone**, F. Finelli, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, Y. Fukui, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, I. A. Grenier, A. Gruppuso, F. K. Hansen, D. Harrison, G. Helou, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, A. Kawamura, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, C. Leroy, P. B. Lilje, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, P. Martin, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, P. McGehee, P. R. Meinhold, A. Melchiorri, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, I. J. O'Dwyer, T. Onishi, S. Osborne, F. Pajot, R. Paladini, D. Paradis, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Stompor, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, G. Umana, L. Valenziano, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, A. Wilkinson, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XIX. All-sky temperature and dust optical depth from Planck and IRAS. Constraints on the "dark gas" in our Galaxy. *A&A*, 536:A19, Dec. 2011.

[ACL-2011-154] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, B. Cappellini, J.-F. Cardoso, S. Casassus, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, X. Chen, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis,

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- [ACL-2011-155] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, C. M. Cantalupo, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, Y. Doi, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, **E. Falgarone**, F. Finelli, O. Forni, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, F. K. Hansen, D. Harrison, G. Helou, S. Henrot-Versillé, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, N. Ikeda, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, Y. Kitamura, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, C. Leroy, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, J. Malinen, N. Mandolesi, R. Mann, M. Maris, D. J. Marshall, P. Martin, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, P. McGehee, A. Melchiorri, L. Mendes, A. Mennella, C. Meny, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, F. Nati, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, **L. Pagnani**, F. Pajot, R. Paladini, F. Pasian, G. Patanchon, V.-M. Pelkonen, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, S. Plaszczyński, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, G. Savini, D. Scott, M. D. Seiffert, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, V. Toth, M. Tristram, J. Tuovinen, G. Umana, L. Valenziano, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, N. Ysard, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XXII. The submillimetre properties of a sample of Galactic cold clumps. *A&A*, 536:A22, Dec. 2011.
- [ACL-2011-156] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, M. Bucher, C. Burigana, P. Cabella, C. M. Cantalupo, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, L.-Y. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. D. Davies, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, K. Dobashi, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin,

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[ACL-2011-157] Planck Collaboration, P. A. R. Ade, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, A. Bonaldi, L. Bonavera, J. R. Bond, J. Borrill, F. R. Bouchet, M. Bucher, C. Burigana, R. C. Butler, P. Cabella, C. M. Cantalupo, B. Cappellini, J.-F. Cardoso, P. Carvalho, **A. Catalano**, L. Cayón, A. Challinor, A. Chaballu, R.-R. Chary, X. Chen, L.-Y. Chiang, C. Chiang, P. R. Christensen, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, L. Danese, R. J. Davis, P. de Bernardis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, C. Dickinson, J. M. Diego, K. Dolag, H. Dole, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, S. Galeotta, K. Ganga, M. Giard, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, J. Haissinski, F. K. Hansen, D. Harrison, G. Helou, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, A. Hornstrup, W. Hovest, R. J. Hoyland, K. M. Huffenberger, M. Huynh, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, J. P. Leahy, R. Leonardi, J. León-Tavares, C. Leroy, P. B. Lilje, M. Linden-Vørnle, M. López-Cañiego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, G. Maggio, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, D. J. Marshall, E. Martínez-González, S. Masi, M. Massardi, S. Matarrese, F. Matthai, P. Mazzotta, P. McGehee, P. R. Meinhold, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, I. J. O'Dwyer, S. Osborne, F. Pajot, R. Paladini, B. Partridge, F. Pasian, G. Patanchon, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, R. Piffaretti, S. Plaszczyński, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, W. T. Reach, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, M. Rowan-Robinson, J. A. Rubiño-Martín, B. Rusholme, A. Sajina, M. Sandri, *D. Santos*, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, D. Tavagnacco, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, M. Türler, G. Umana, L. Valenziano, J. Valiviita, J. Varis, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, S. D. M. White, A. Wilkinson, D. Yvon, A. Zacchei, A. Zonca. Planck early results. VII. The Early Release Compact Source Catalogue. *A&A*, 536:A7, Dec. 2011.

[ACL-2011-158] Planck Collaboration, N. Aghanim, M. Arnaud, M. Ashdown, F. Atrio-Barandela, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, H. Böhringer, A. Bonaldi, J. R. Bond, S. Borgani, J. Borrill, F. R. Bouchet, M. L. Brown, C. Burigana, P. Cabella, C. M. Cantalupo, B. Cappellini, P. Carvalho, **A. Catalano**, L. Cayón, L.-Y. Chiang, C. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, O. D. Arcangelo, R. J. Davis, P. de Bernardis, G. de Gasperis, G. de Zotti, J. Delabrouille, J.-M. Delouis,

J. Démoclès, F.-X. Désert, C. Dickinson, J. M. Diego, H. Dole, S. Donzelli, O. Doré, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, H. K. Eriksen, F. Finelli, I. Flores-Cacho, O. Forni, P. Fosalba, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta, K. Ganga, R. T. Génova-Santos, M. Giard, J. González-Nuevo, R. González-Riestra, K. M. Górski, A. Gregorio, A. Gruppuso, F. K. Hansen, D. Harrison, P. Heinämäki, C. Hernández-Monteagudo, S. R. Hildebrandt, E. Hivon, M. Hobson, G. Hurier, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, H. Kurki-Suonio, G. Lagache, A. Lähteenmäki, **J.-M. Lamarre**, A. Lasenby, C. R. Lawrence, M. Le Jeune, **S. Leach**, R. Leonardi, C. Leroy, A. Liddle, P. B. Lilje, M. López-Caniego, G. Luzzi, J. F. Macías-Pérez, D. Maino, N. Mandolesi, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, P. Mazzotta, P. R. Meinhold, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, P. Naselsky, P. Natoli, J. Nevalainen, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, I. J. O'Dwyer, S. Osborne, R. Paladini, F. Pasian, G. Patanchon, T. J. Pearson, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, E. Pierpaoli, R. Piffaretti, P. Platania, E. Pointecouteau, G. Polenta, N. Ponthieu, L. Popa, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, J. P. Rachen, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, J. A. Rubiño-Martín, E. Saar, M. Sandri, G. Savini, B. M. Schaefer, D. Scott, G. F. Smoot, J.-L. Starck, D. Sutton, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, M. Tristram, M. Türlér, L. Valenziano, P. Vielva, F. Villa, N. Vittorio, L. A. Wade, B. D. Wandelt, J. Weller, S. D. M. White, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XXVI. Detection with Planck and confirmation by XMM-Newton of PLCK G266.6-27.3, an exceptionally X-ray luminous and massive galaxy cluster at $z \sim 1$. *A&A*, 536:A26, Dec. 2011.

[ACL-2011-159] (déplacé en [ACL-2012-077])

[ACL-2011-160] Planck Collaboration, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, M. L. Brown, M. Bucher, C. Burigana, P. Cabella, C. M. Cantalupo, J.-F. Cardoso, P. Carvalho, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, J. M. Diego, K. Dolag, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, I. Flores-Cacho, O. Forni, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta, K. Ganga, R. T. Génova-Santos, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, R. González-Riestra, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, P. Heinämäki, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, G. Hurier, A. H. Jaffe, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, M. Le Jeune, **S. Leach**, R. Leonardi, A. Liddle, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Noviello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, R. Piffaretti, S. Plaszczynski, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, E. Saar, M. Sandri, *D. Santos*, B. M. Schaefer, D. Scott, M. D. Seiffert, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, B. D. Wandelt, S. D. M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. IX. XMM-Newton follow-up for validation of Planck cluster candidates. *A&A*, 536:A9, Dec. 2011.

[ACL-2011-161] Planck Collaboration, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, M. L. Brown, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, R.-R. Chary, L.-Y. Chiang, C. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, J. M. Diego, K. Dolag, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, I. Flores-Cacho, O. Forni, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta,

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K. Ganga, R. T. Génova-Santos, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Novello, D. Novikov, I. Novikov, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, R. Piffaretti, S. Plaszczyński, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, *D. Santos*, B. M. Schaefer, D. Scott, M. D. Seiffert, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, B. D. Wandelt, S. D. M. White, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. *A&A*, 536:A10, Dec. 2011.

[ACL-2011-162] Planck Collaboration, N. Aghanim, M. Arnaud, M. Ashdown, J. Aumont, C. Baccigalupi, A. Balbi, A. J. Banday, R. B. Barreiro, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, A. Bonaldi, J. R. Bond, J. Borrill, F. R. Bouchet, M. L. Brown, M. Bucher, C. Burigana, P. Cabella, J.-F. Cardoso, **A. Catalano**, L. Cayón, A. Challinor, A. Chamballu, L.-Y. Chiang, C. Chiang, G. Chon, P. R. Christensen, E. Churazov, D. L. Clements, S. Colafrancesco, S. Colombi, F. Couchot, **A. Coulais**, B. P. Crill, F. Cuttaia, A. da Silva, H. Dahle, L. Danese, R. J. Davis, P. de Bernardis, G. de Gasperis, A. de Rosa, G. de Zotti, J. Delabrouille, J.-M. Delouis, F.-X. Désert, J. M. Diego, K. Dolag, S. Donzelli, O. Doré, U. Dörl, M. Douspis, X. Dupac, G. Efstathiou, T. A. Enßlin, F. Finelli, I. Flores-Cacho, O. Forni, M. Frailis, E. Franceschi, S. Fromenteau, S. Galeotta, K. Ganga, R. T. Génova-Santos, M. Giard, G. Giardino, Y. Giraud-Héraud, J. González-Nuevo, K. M. Górski, S. Gratton, A. Gregorio, A. Gruppuso, D. Harrison, S. Henrot-Versillé, C. Hernández-Monteagudo, D. Herranz, S. R. Hildebrandt, E. Hivon, M. Hobson, W. A. Holmes, W. Hovest, R. J. Hoyland, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, M. Juvela, E. Keihänen, R. Keskitalo, T. S. Kisner, R. Kneissl, L. Knox, H. Kurki-Suonio, G. Lagache, **J.-M. Lamarre**, A. Lasenby, R. J. Laureijs, C. R. Lawrence, **S. Leach**, R. Leonardi, M. Linden-Vørnle, M. López-Caniego, P. M. Lubin, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, D. Maino, N. Mandolesi, R. Mann, M. Maris, F. Marleau, E. Martínez-González, S. Masi, S. Matarrese, F. Matthai, P. Mazzotta, S. Mei, A. Melchiorri, J.-B. Melin, L. Mendes, A. Mennella, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, G. Morgante, D. Mortlock, D. Munshi, A. Murphy, P. Naselsky, P. Natoli, C. B. Netterfield, H. U. Nørgaard-Nielsen, F. Novello, D. Novikov, I. Novikov, I. J. O'Dwyer, S. Osborne, F. Pajot, F. Pasian, G. Patanchon, O. Perdereau, L. Perotto, F. Perrotta, F. Piacentini, M. Piat, E. Pierpaoli, R. Piffaretti, S. Plaszczyński, E. Pointecouteau, G. Polenta, N. Ponthieu, T. Poutanen, G. W. Pratt, G. Prézeau, S. Prunet, J.-L. Puget, R. Rebolo, M. Reinecke, C. Renault, S. Ricciardi, T. Riller, I. Ristorcelli, G. Rocha, C. Rosset, J. A. Rubiño-Martín, B. Rusholme, M. Sandri, G. Savini, B. M. Schaefer, D. Scott, M. D. Seiffert, P. Shellard, G. F. Smoot, J.-L. Starck, F. Stivoli, V. Stolyarov, R. Sudiwala, R. Sunyaev, J.-F. Sygnet, J. A. Tauber, L. Terenzi, L. Toffolatti, M. Tomasi, J.-P. Torre, M. Tristram, J. Tuovinen, L. Valenziano, L. Vibert, P. Vielva, F. Villa, N. Vittorio, B. D. Wandelt, S. D. M. White, M. White, D. Yvon, A. Zacchei, A. Zonca. Planck early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. *A&A*, 536:A12, Dec. 2011.

[ACL-2011-163] Planck HFI Core Team, P. A. R. Ade, N. Aghanim, R. Ansari, M. Arnaud, M. Ashdown, J. Aumont, A. J. Banday, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, T. Bradshaw, E. Bréelle, M. Bucher, P. Camus, J.-F. Cardoso, **A. Catalano**, A. Challinor, A. Chamballu, J. Charra, M. Charra, R.-R. Chary, C. Chiang, S. Church, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, C. Cressiot, B. P. Crill, M. Crook, P. de Bernardis, J. Delabrouille, J.-M. Delouis, F.-X. Désert, K. Dolag, H. Dole, O. Doré, M. Douspis, G. Efstathiou, P. Eng, C. Filliard, O. Forni, P. Fosalba, J.-J. Fourmond, K. Ganga, M. Giard, D. Girard, Y. Giraud-Héraud, R. Gispert, K. M. Górski, S. Gratton, M. Griffin, G. Guyot, J. Haissinski, D. Harrison, G. Helou, S. Henrot-Versillé, C. Hernández-Monteagudo, S. R. Hildebrandt, R. Hills, E. Hivon, M. Hobson, W. A. Holmes, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, J. Kaplan, R. Kneissl, L. Knox, G. Lagache, **J.-M. Lamarre**, P. Lami, A. E. Lange, A. Lasenby, A. Lavabre, C. R. Lawrence, B. Leriche, C. Leroy, Y. Longval, J. F. Macías-Pérez, T. Maciaszek, C. J. MacTavish, B. Maffei, N. Mandolesi, R. Mann, B. Mansoux, S. Masi, T. Matsumura, P. McGehee, J.-B. Melin,

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- [ACL-2011-164] Planck HFI Core Team, P. A. R. Ade, N. Aghanim, R. Ansari, M. Arnaud, M. Ashdown, J. Aumont, A. J. Banday, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benoît, J.-P. Bernard, M. Bersanelli, J. J. Bock, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, T. Bradshaw, M. Bucher, J.-F. Cardoso, G. Castex, **A. Catalano**, A. Challinor, A. Chamballu, R.-R. Chary, X. Chen, C. Chiang, S. Church, D. L. Clements, J.-M. Colley, S. Colombi, F. Couchot, **A. Coulais**, C. Cressiot, B. P. Crill, M. Crook, P. de Bernardis, J. Delabrouille, J.-M. Delouis, F.-X. Désert, K. Dolag, H. Dole, O. Doré, M. Douspis, J. Dunkley, G. Efstathiou, C. Filliard, O. Forni, P. Fosalba, K. Ganga, M. Giard, D. Girard, Y. Giraud-Héraud, R. Gispert, K. M. Górski, S. Gratton, M. Griffin, G. Guyot, J. Haissinski, D. Harrison, G. Helou, S. Henrot-Versillé, C. Hernández-Monteagudo, S. R. Hildebrandt, R. Hills, E. Hivon, M. Hobson, W. A. Holmes, K. M. Huffenberger, A. H. Jaffe, W. C. Jones, J. Kaplan, R. Kneissl, L. Knox, M. Kunz, G. Lagache, **J.-M. Lamarre**, A. E. Lange, A. Lasenby, A. Lavabre, C. R. Lawrence, M. Le Jeune, C. Leroy, J. Lesgourgues, J. F. Macías-Pérez, C. J. MacTavish, B. Maffei, N. Mandolesi, R. Mann, F. Marleau, D. J. Marshall, S. Masi, T. Matsumura, I. McAuley, P. McGehee, J.-B. Melin, C. Mercier, S. Mitra, M.-A. Miville-Deschênes, A. Moneti, L. Montier, D. Mortlock, A. Murphy, F. Nati, C. B. Netterfield, H. U. Nørgaard-Nielsen, C. North, F. Noviello, D. Novikov, S. Osborne, F. Pajot, G. Patanchon, T. Peacocke, T. J. Pearson, O. Perdereau, L. Perotto, F. Piacentini, M. Piat, S. Plaszczyński, E. Pointecouteau, N. Ponthieu, G. Prézeau, S. Prunet, J.-L. Puget, W. T. Reach, M. Remazeilles, C. Renault, A. Riazuelo, I. Ristorcelli, G. Rocha, C. Rosset, **G. Roudier**, M. Rowan-Robinson, B. Rusholme, R. Saha, *D. Santos*, G. Savini, B. M. Schaefer, P. Shellard, L. Spencer, J.-L. Starck, V. Stolyarov, R. Stompor, R. Sudiwala, R. Sunyaev, D. Sutton, J.-F. Sygnet, J. A. Tauber, C. Thum, J.-P. Torre, F. Touze, M. Tristram, F. van Leeuwen, L. Vibert, D. Vibert, L. A. Wade, B. D. Wandelt, S. D. M. White, H. Wiesemeyer, A. Woodcraft, V. Yurchenko, D. Yvon, A. Zacchei. Planck early results. VI. The High Frequency Instrument data processing. *A&A*, 536:A6, Dec. 2011.
- [ACL-2011-165] Planck HFI Core Team, P. A. R. Ade, N. Aghanim, R. Ansari, M. Arnaud, M. Ashdown, J. Aumont, A. J. Banday, M. Bartelmann, J. G. Bartlett, E. Battaner, K. Benabed, A. Benot, J. . Bernard, M. Bersanelli, R. Bhatia, J. J. Bock, J. R. Bond, J. Borrill, F. R. Bouchet, F. Boulanger, T. Bradshaw, E. Brelle, M. Bucher, P. Camus, J. . Cardoso, **A. Catalano**, A. Challinor, A. Chamballu, J. Charra, M. Charra, R. . Chary, C. Chiang, S. Church, D. L. Clements, S. Colombi, F. Couchot, **A. Coulais**, C. Cressiot, B. P. Crill, M. Crook, P. de Bernardis, J. Delabrouille, J. . Delouis, F. . Désert, K. Dolag, H. Dole, O. Doré, M. Douspis, G. Efstathiou, P. Eng, C. Filliard, O. Forni, P. Fosalba, J. . Fourmond, K. Ganga, M. Giard, D. Girard, Y. Giraud-Héraud, R. Gispert, K. M. Gorski, S. Gratton, M. Griffin, G. Guyot, J. Haissinski, D. Harrison, G. Helou, S. Henrot-Versillé, C. Hernandez-Monteagudo, S. R. Hildebrandt, R. Hills, E. Hivon, M. Hobson, W. A. Holmes, K. M. Huenberger, A. H. Jae, W. C. Jones, J. Kaplan, R. Kneissl, L. Knox, G. Lagache, **J. . Lamarre**, P. Lami, A. E. Lange, A. Lasenby, A. Lavabre, C. R. Lawrence, B. Leriche, C. Leroy, Y. L. J. F. Macas-Perez, T. Maciaszek, C. J. MacTavish, B. Maei, N. Mandolesi, R. Mann, B. Mansoux, S. Masi, T. Matsumura, P. McGehee, J. . Melin, C. Mercier, M. . Miville-Deschênes, A. Moneti, L. Montier, D. Mortlock, A. Murphy, F. Nati, C. B. Nettereld, H. U. Nørgaard-Nielsen, C. North, F. Noviello, D. Novikov, S. Osborne, C. Paine, F. Pajot, G. Patanchon, T. Peacocke, T. J. Pearson, O. Perdereau, L. Perotto, F. Piacentini, M. Piat, S. Plaszczyński, E. Pointecouteau, R. Pons, N. Ponthieu, G. Prezeau, S. Prunet, J. . Puget, W. T. Reach, C. Renault, I. Ristorcelli, G. Rocha, C. Rosset, **G. Roudier**, M. Rowan-Robinson, B. Rusholme, *D. Santos*, G. Savini, B. M. Schaefer, P. Shellard, L. Spencer, J. . Starck, P. Stassi, V. Stolyarov, R. Stompor, R. Sudiwala, R. Sunyaev, J. . Sygnet, J. A. Tauber, C. Thum, J. . Torre, F. Touze, M. Tristram, F. Van Leeuwen, L. Vibert, D. Vibert, L. A. Wade, B. D. Wandelt, S. D. M. White, H. Wiesemeyer, A. Woodcraft, V. Yurchenko, D. Yvon, A. Zacchei. Planck early results: first assessment of the High Frequency Instrument in-flight performance. *accepted in A&A*, Jan. 2011.
- [ACL-2011-166] **C. Prigent**, N. Rochetin, *F. Aires*, **E. Defer**, J.-Y. Grandpeix, **C. Jimenez**, *F. Papa*. Impact of the inundation occurrence on the deep convection at continental scale from satellite observations and modeling experiments. *Journal of Geophysical Research (Atmospheres)*, 116:24118, Dec. 2011.
- [ACL-2011-167] J. Radebaugh, R. D. Lorenz, S. D. Wall, R. L. Kirk, C. A. Wood, J. I. Lunine, E. R. Stofan, R. M. C.

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- [ACL-2011-168] **V. P. Reshetnikov**, Y. H. Mohamed. Statistics of interacting galaxies at $z \sim 0.7$. *Astronomy Letters*, 37:743-750, 2011.
- [ACL-2011-169] J.-P. Rivet, **F. Debbasch**. Validating the Diffusion Approximation Through Conditional Entropies. *Modern Physics Letters B*, 25:377-383, 2011.
- [ACL-2011-170] **S. Sahal-Brechot**, *M. S. Dimitrijevic*, N. Ben Nessib. Comparisons and Comments on Electron and Ion Impact Profiles of Spectral Lines. *Baltic Astronomy*, 20:523-530, 2011.
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- [ACL-2011-172] **P. Salome**, **F. Combes**, *Y. Revaz*, D. Downes, A. C. Edge, A. C. Fabian. A very extended molecular web around NGC 1275. *A&A*, 531:A85, July 2011.
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In practice the list below includes all publications listed in the ADS bibliographic data base as non-refereed publications. A limited attempt only has been made to complement the information retrieved from ADS, which does not cover all fields of LERMA research thoroughly.

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