CURRICULUM VITAE

A: PERSONAL INFORMATION

Full name: Clive Dickinson

Present appointment: 2015–present Professor of Astrophysics and Head of the "Sun, Stars and Galaxies" (SSG) group, Jodrell Bank Centre for Astrophysics, School of Physics & Astronomy, The University of Manchester, U.K

Also Visiting Associate (non-pecuniary), California Institute of Technology (2018–2022)

Previous appointments held

2012–2015 Reader, School of Physics & Astronomy, University of Manchester, U.K.

2011–2012 Lecturer, School of Physics & Astronomy, University of Manchester, U.K.

2009–2014 STFC Advanced Fellow, School of Physics & Astronomy, University of Manchester

2007–2009 Staff Scientist, IPAC, California Institute of Technology, Pasadena, California, U.S.A.

2006–2007 Research Scientist, Jet Propulsion Laboratory (NASA), Pasadena, California, U.S.A.

2004–2006 Researcher scholar, California Institute of Technology, Pasadena, California, U.S.A.

2002–2004 Post-Doctoral Research Associate, Jodrell Bank Observatory, U. Manchester

Education

1995–2002 University of Manchester, Manchester

1993–1995 Cross Hall 6th form college, Ormskirk, Lancashire

1988–1993 Cross Hall High School, Ormskirk, Lancashire

Qualifications

1999–2002 PhD, radio astronomy, Jodrell Bank Observatory, University of Manchester

1995–1999 MPhys 1st class honours, Physics with astrophysics, University of Manchester

B: RESEARCH CONTRIBUTIONS

Publications

- 264 publications are listed at the end of this document. Of these 222 are published in refereed journals and 42 are published in conference proceedings or other non-refereed publications. The full list of published articles can be found at the end of the CV.
- At present (Apr 2022) they have acquired a total of 45000+ citations. Of these, 79 have more than 100 citations and 129 have more than 50 citations. The most cited paper is the Planck Collaboration 2015 results cosmological parameters paper with 10000+ citations. The most cited first author paper is Dickinson et al. (2004) with 210 citations. Dickinson et al. (2003) has 188 citations. Several *Planck* collaboration papers led by myself have 200+ citations. **My h-index is 87**. The citation records were taken from the NASA Astrophysics Data System at `http://adswww.harvard.edu/`
- Of the published papers, the vast majority are in high impact journals: Astrophysical Journal (impact factor 5.53), Monthly Notices of the Royal Astronomical Society (4.96), Astronomy and Astrophysics (5.01). Impact factors were taken from `apps.isiknowledge.com/` for the year 2016.

- The number of refereed publications as a function of year, over the period 2001–2017, are 1,0,9,5,3,6,4,6,4,6,29,7,14,13,35,27,40. This is an average of 13.9 papers per year since 2003.

Grants Awarded

- 2020–2023: STFC Consolidated Grant for JBCA Astrophysics starting April 2020. PI Prof Richard Battye and 28 co-Is, with a total value of **£3.20M**. I was awarded 20% FEC for myself from 2020 for 3 years and one PDRA (Dr Stuart Harper) for *Planck* low frequency foregrounds and C-BASS.
- 2017–2020: STFC Consolidated Grant for JBCA Astrophysics starting April 2017. PI Prof Richard Battye and 21 co-Is, with a total value of **£2.88M**. I was awarded 20% FEC for myself from 2017 for 3 years and one PDRA (Dr Stuart Harper) for *Planck* low frequency foregrounds and C-BASS.
- 2014–2017: STFC Consolidated Grant for JBCA Astrophysics starting April 2014. PI Prof Albert Zijlstra and 23 co-Is, with a total value of **£4.988M**. I was awarded 20% FEC for myself from 2014 for 3 years and one PDRA (Dr Mike Peel) for *Planck* foregrounds and anomalous microwave emission.
- 2013–2014: Digital Backend for the Lovell telescope. Technical project funded by KACST, Saudi Arabia. PI Prof Richard Davis. **£26K**.
- 2013–2014: Optical mapping of the crescent moon. Technical project funded by KACST, Saudi Arabia. PI Dr Clive Dickinson. **£12.5K**.
- 2012–2017: European Research Council (ERC) Starting Grant (consolidator): "Enabling cosmology with radio astronomy surveys", **1.495M Euros** awarded to the P.I. (2012–2017). This funds 75 % of my salary, 3 post-doc positions (Dr Mathieu Remazeilles, Dr Marie-Anne Bigot-Sazy and Dr Yin-Zhe Ma in post), and contributions to travel, consumables, admin support and RF engineering support.
- 2012–2014: "Astrophysics at Jodrell Bank: the radio Universe" STFC Consolidated Grant for JBCA Astrophysics starting April 2012. PI Prof Albert Zijlstra and 23 co-Is. I was awarded 20% FEC for me from 2014 and one PDRA (out of a total of 4.5 for the JBCA group) for *Planck* foregrounds.
- 2010–2013: "Construction of a sensitive 5 GHz receiver for the C-Band All-Sky Survey" - grant awarded by KACST (Saudi Arabia) to the PI. 1.7M Saudi Riyals (approx **£300K**) awarded over 2 years (2010–2012)
- 2010–2014: "Gas, dust and stars: The Life-Cycle of Galaxies" Galactic rolling grant - awarded **£1.124M** over 3 years by STFC starting April 2011. PI Prof Albert Zijlstra and 14 co-Is. No FEC was requested on this grant. However, I was listed because of my significant research related to the interstellar medium and dust, which is a key theme in this grant. I contributed to the surveys theme (one of four themes).
- 2010–2012: "Observations in support of PATT telescopes". **£58K** awarded for travel to observatories. I was awarded funds for 2 trips (2K each) to Chile.
- 2009–2013: "Accurate characterization of CMB foregrounds" - REA Marie-Curie Re-Integration Grant (IRG). **100K Euros** awarded over 4 years beginning July 2009.
- 2009–2012: "Planck-to-Planets" astrophysics/cosmology rolling grant - awarded **£2.464M** over 3 years by STFC starting April 2009. PI Dr Richard Battye and 15 co-Is. I played a significant role in writing the case, with 2 of the 5 areas closely related to my research. One of the PDRAs (Dr Mike Peel) is primarily under my supervision and I work closely with another (Dr Anna Bonaldi).

- 2008–2014: "Accurate CMB foreground removal for future ultra-high sensitive CMB experiments" - STFC Advanced fellowship. 5-year grant worth **£496K** awarded by STFC (running 2009–2014)
- 2005–2008: "C-Band All-Sky Survey". Awarded **$900K** US dollars by NSF (PI Dr Tim Pearson). I led the writing of the science case and was one of the driving forces behind the original proposal.

Other research achievements

Major invited talks and review talks

Here I list major invited talks only (I have given numerous invited and contributed talks not listed here). I have not included invitations that were turned down. Invitations where full expenses were paid by the host are denoted by (*) and local expenses by (+)

20. *Low frequency Galactic foregrounds (invited review)*
Invited review talk at the conference: "Caffe Lattes: Cosmological analyses featuring Galactic foreground emission", 11–15 May 2020, Lattes, Montpellier, France

19. *Overview of large-scale features in the radio sky*
Invited review talk at the workshop: Three elephants in the gamma-away sky: Loop I, the Fermi bubbles, and the Galactic Centre excess, 21-24 October 2017, Garmisch-Partenkirchen, Germany (+)

18. *Diffuse Foreground Surveys*
Astrophysics Colloquium, Max-Planck Institute for Radio Astronomy, Bonn, Germany, 8 April 2016 (*)

17. *Cosmology with radio astronomy surveys: My ERC experience*
Invited talk at the European Science Open Forum (ESOF) 2016, held at the Manchester Central Convention Centre, Manchester, 23–27 June 2016 (+)

16. *Cosmic Microwave Background and Foregrounds*
Invited review talk, "Accurate astrophysics, correct cosmology" cosmology conference, 14 July 2015, UCL, London (+)

15. *Low frequency foregrounds* and *Polarized foregrounds*
Lecturer at the International School of Space Science: Observing the Universe with the Cosmic Microwave Background, L'Aquila, Italy 21-26 April 2014. Approx. 30 students. (*)

14. *Challenges of foreground subtraction for CMB B-modes*
CMB2013 conference, OIST, Okinawa, Japan, 10-14 June 2013. Major international conference on CMB polarization, approx 200 participants. (+)

13. *A New View of the Universe from the Planck spacecraft*
Lovell lecture series (open to the public), Jodrell Bank Observatory, 27 Oct 2011 (+). Approx 150 members of the public paid £7.50 to come to the evening talk, held once per month.

12. *Surveys of diffuse emission*
Invited lecture, Sardinia Summer School on Single Dish Radio Astronomy, Sardinia, Italy, 14

Sept 2011 (*)

11. *CMB foreground observations*
Review talk, Understanding Galactic and extragalactic foregrounds, Zadar, Croatia, 23–27 May 2011 (+). Major international conference on foregrounds, approx 200 participants.

10. *Early Planck results in the Galaxy*
Astrophysics Colloquium, Academia Sinica Institute of Astronomy and Astrophysics (ASIAA), Tapei, Taiwan, 22 Apr 2011 (*)

9. *Planck studies of spinning dust emission*
Herschel and Characteristics of Dust in Galaxies workshop, Lorentz Center, Netherlands, 28 Feb–04 Mar, 2011 (*). International workshop for experts on interstellar dust. Approx 150 participants.

8. *Planck Early Results: New Light on Anomalous Microwave Emission from Spinning Dust Grains*
The Millimeter and Submillimeter sky in the Planck Mission Era, Cite des Sciences, Paris, France, 11-Jan-2011. Major international conference for the first results from the *Planck* space mission. Approx 250 participants. Also major international press coverage (BBC, NewScientist etc.)

7. *The Cosmic Microwave Background*
Invited lecturer at STFC Summer School, University of St. Andrews, Scotland, 27-Aug-2009 (*). Lecture to the incoming cohort of UK astronomy PhD students.

6. *CMB Foregrounds: Friend or Foe?*
Astrophysics Colloquium, SISSA, Trieste, Italy, 28-Apr-2009 (*). Part of a longer visit by invitation of their *Planck* group.

5. *CMB cosmology*
Invited speaker, 4th meeting of the Saudi Physical Society, KACST, Riyadh, Saudi Arabia, 12-Nov-2008 (*). Major conference with 300+ participants. I was part of an international committee of distinguished scientists from various fields of physics.

4. *Component separation for diffuse ISM and point sources*
Invited speaker, Herschel Workshop, IPAC, Caltech, Pasadena, California, U.S.A., 22-Aug-2008 (+). Invited to entertain workshop participants over lunch. Approx 100 participants.

3. *Measuring Foregrounds for future CMB experiments*
Invited speaker, Kavli Institute for Space Science MMIC workshop, Caltech, Pasadena, U.S.A., 21-Jul-2008 (+). Invited to talk to technologists about instrumentation for CMB/foreground surveys. Approx 150 participants.

2. *Foreground contamination in CMB data*
Invited guest speaker, SKA bursary conference, South African Astronomical Observatory, South Africa, 26-Nov-2007 (*). Over 200 participants. One of 4 invited international guests as part of South Africa's bid for the site for the SKA, largest radio telescope in the world.

1. *Foreground contamination in CMB data*
Colloquium, Hartebeesthook Radio Observatory, South Africa, 23-Nov-2007 (*). Invited speaker as part of an observing trip.

Other invited talks

15. *HI intensity mapping*
Astrophysics Colloquium, MSSL, UCL, London, 11 June 2015 (*)

14. *The Galaxy as seen by Planck*
Astrophysics Colloquium, Liverpool John Moore's University, Liverpool, 28 May 2014 (*)

13. *BINGO: A novel single-dish intensity mapping experiment*
University of Sao Paolo, Brazil, 3 Feb 2014 (+)

12. *Planck intermediate results: A study of AME in Galactic clouds*
Astrophysics from the radio to the sub-millimetre, INAF, Bologna, Italy, 13–17 Feb 2012

11. *Early Planck results in the Galaxy*
Astrophysics Colloquium, University of Cambridge, Cambridge, 3 Feb 2012 (*)

10. *Early Planck results in the Galaxy*
Astrophysics Colloquium, Cardiff University, Wales, 23 Nov 2011 (*)

9. *CMB Foregrounds: Friend or Foe?*
Colloquium, Dublin Institute for Advanced Studies (DIAS), Dublin, Ireland, 03-Jun-2010 (*)

8. *CMB Foregrounds: Friend or Foe?*
Oxford Astrophysics Colloquium, University of Oxford, Oxford, U.K., 18-May-2010 (*)

7. *CMB Foregrounds: Friend or Foe?*
Astrophysics Colloquium, UCL, London, U.K., 08-Mar-2010 (*)

6. *CMB Foregrounds: Friend or Foe?*
Astrophysics Colloquium, MSSL, Surrey, U.K., 02-Dec-2009 (*)

5. *CMB Foregrounds: Friend or Foe?"*
Jodrell Bank Colloquium, JBCA, University of Manchester, Manchester, U.K., 10-Jun-2009 (+)

4. *Evidence for anomalous dust emission*
IPAC Seminar, IPAC, California Institute of Technology, Pasadena, California, U.S.A., 05-Sep-2007 (+)

3. *Observational evidence for anomalous (spinning?) dust emission*
Lunch seminar, Jet Propulsion Laboratory, NASA, Pasadena, California, 21-May-2007. (+)

2. *Latest results on the CMB power spectrum from the extended VSA*
NRAO colloquium, Socorro, NM, USA, 9-Jun-2004 (+)

1. *Imaging the Cosmic Microwave Background with the Very Small Array*
Colloquium, South African Astronomical Observatory, Cape Town, 22-Aug-2001 (+)

Extended academic visits

Here I list academic visits of 1 week or longer. Invitations where full expenses were paid by the host are denoted by (*) and local expenses by (+).

- California Institute of Technology. I have made regular 3-4+ week visits every summer since 2009 to continue my links with the astronomy group. Collaborative work includes C-BASS, COMAP, and *Planck*. In 2019 and 2020 I made 6-month visits.
- Sardinia Radio Telescope, Sardinia, Italy, 11 – 17 September 2011. Invited summer school lecturer. Discussed future programmes for the new SRT radio telescope. (*)
- California Institute of Technology, Pasadena, California, U.S.A., 13 April – 1 May 2010. Worked on *Planck* pipeline for the production of the Early Release Compact Source Catalog (ERCSC) (+)
- California Institute of Technology, Pasadena, California, U.S.A., 7 October – 27 October 2009. Worked on *Planck* pipeline for the production of the Early Release Compact Source Catalog (ERCSC) (*).
- King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia, 9 Nov – 18 Nov 2008. Invited speaker at the Saudi Physical Society. Discussions about future collaboration with U. Manchester. (*)
- SISSA, Trieste, Italy, 26 April – 6 May 2009. Invited colloquium speaker. Work on component separation for *Planck* LFI data processing centre. (*)
- HartRAO Radio Observatory and SAAO, Cape Town, South Africa, 21 November – 29 November 2007. Invited colloquium speaker and SKA bursary summer school. Discussed future observing programmes for the HartRAO telescope. (*)

Supervision of research students

I have played an important part in supervising research students since completing my PhD (2002). Although I did not formally supervise research students until 2009, as a PDRA and staff scientist I played a significant role in the supervision of a number of successful MSc(R) and PhD students. Of particular note are Miss Georgina Heron (Manchester MSc(R) 2011, with distinction), Dr Christopher Tibbs (Manchester PhD 2010, now fellow at ESTEC, The Netherlands), Dr Marta Alves (Manchester PhD 2010, now PDRA at IRAP, Toulouse, France), Dr Yaser Hafez (Manchester PhD 2006, now head of astrophysics at KACST, Saudi Arabia) and Dr Robbie Auld (Manchester MSc 2002, now PDRA at Cardiff University).

Successfully completed post-graduate students to-date:

- Dr Adam Barr (PhD 2021)
- Dr Tianyue Chen (PhD 2019)
- Dr Michael D'Cruze (PhD 2018)
- Dr Lucas Olivari (PhD 2018)
- Dr Stuart Harper (PhD 2016)

- Dr Matias Vidal (PhD 2014) - received Springer Book prize for his thesis
- Dr Melis Irfan (PhD 2014)
- Miss Shweta Agarwal (MSc 2015)
- Mr Adam Colclough (MSc 2015, co-supervised with Prof. I. Browne)
- Miss Karenne Mata-Figueras (MSc 2015, co-supervised with Dr. J.P. Leahy)
- Miss Kate Voller (MPhil 2014, co-supervised with Prof. Richard Battye)
- Mr Constantinos Demetroullas (MSc 2012, awarded distinction)
- Mr Dimitrios Stamadianos (MSc 2010 awarded merit)
- Mr Antonio Pasqua (MSc 2010)

I currently supervise 2 post-graduate students:

- Mr Roke Cepeda-Arroita (PhD 2018-2022)
- Mr Thomas Rennie (PhD 2020-2023)

I have supervised short-term research students:

- Mr Roke Cepeda-Arroita (Manchester, summer 2016).
- Mr Ricardo Collados Izqueirdo (Manchester, summer 2014).
- Mr Thomas Armitage (Manchester, summer 2013).
- Miss Tianyue Chen (Manchester, summer 2013).
- Mr Hadrien Montanelli (on work placement from Institut Superieur de l'Aeronautique et de l'Espace, Manchester, Winter 2011-2012)
- Miss Hazel Martindale (Manchester, Summer 2011)
- Dr Yacine Ali-Hamoud (Caltech, summer student 2006, Caltech PhD 2011)
- Miss Priya Kollipara (Caltech SURF summer research student, 2005)

Organisation and promotion of research

- Head of Sun, Stars and Galaxies (SSG) group at JBCA. This is one of three research groups, consisting of 11 academic staff and over 40 postdocs and students. My main responsibilities are for the overall direction of the group, coordinating large grant applications such as the STFC Consolidated Grant, and line management of the academic staff.
- Manchester lead for the Radio Astronomy Programme (RAP). The RAP is an agreement between Caltech, JPL, Oslo and Bonn, to collaborate on radio astronomy programmes related to Caltech's Owens Valley Radio Observatory (OVRO). Each institute contributes \$50K/year to be part of RAP and gets access to facilities at OVRO. As part of this, I am the Manchester PI of the COMAP CO intensity mapping experiment, based at OVRO.
- Manchester PI of the C-Band All-Sky Survey (C-BASS) project. A collaboration between the Universities of Manchester and Oxford (UK), Caltech/JPL (U.S.A.), and Rhodes University (South Africa).
- I was coordinator of *Planck* Working Group 7. I was one of three coordinators of the Galactic and solar system science working group for ESA's *Planck* mission, consisting of 161 scientists. This is one of 7 working groups for the entire space mission that coordinated the work and science outputs for the *Planck* mission.

- I was the chair of the JBCA colloquium committee (2010–2012). I was responsible for the weekly seminar series where we invite guest speakers from around the UK and also internationally. I was also responsible for the internal colloquium held each year.

Statement on research

My interests primarily lie in cosmology, Galactic astrophysics and techniques of radio astronomy. Since my PhD, I have been a key member of a number of leading CMB experiments. For most of these, I have been intimately involved in all aspects of the experiment - from design, implementation, observing, data analysis, scientific exploitation and writing of papers. However, my main contribution has been in analysing and understanding the huge amounts of data required to reach the ultra-high sensitivities needed for CMB measurements. I led the data analysis for the Very Small Array experiment which included the Universities of Cambridge and Manchester and the Instituto de Astrofisica de Canarias in Tenerife. This resulted in the final data paper of Dickinson et al. (2004) which was the best CMB spectrum at intermediate scales for several years. While at Caltech, I played a similar role with the Cosmic Background Imager (CBI) experiment where I led the data reduction that resulted in one of the first detections of CMB polarization and made the front cover of Science magazine (Readhead et al. 2004).

One of my main areas of research is in understanding and removal of foreground contamination for radio cosmology surveys (CMB, HI intensity mapping etc). I have developed component separation algorithms for removing foreground signals based on their spectral characteristics (e.g. Eriksen et al. 2008; Dickinson et al. 2009). Moreover, I am an expert in diffuse Galactic emission, which comprises several distinct components. One of these, often known as "Anomalous Microwave Emission" (AME), is of particular interest. I am a leading expert in AME, having written a large body of papers on the subject and given numerous invited and review talks on the subject. I led two dedicated *Planck* papers on AME, which supports the spinning dust origin. I am involved in a number of observing programmes that aim to understand this new emission mechanism, as well as dedicated CMB foreground surveys such as QUIJOTE and the C-Band All-Sky Survey (C-BASS). C-BASS, for which I am the Manchester PI, aims to map the entire sky in intensity and polarization at 5 GHz. This will be a major resource for future cosmology surveys.

Over the next ~ 5 years, CMB cosmology will be focussed primarily on B-modes and inflation. I am already a major player in proposals to ESA for future CMB polarization space missions. Nevertheless, it is clear that new cosmological probes are needed - the new area of HI mapping at cosmological distances will be the key to progressing cosmology using radio observations. This will only be possible with ultra-sensitive large arrays of telescopes such as the Square Kilometre Array (SKA) that will become operational within the next $\sim 10 - 15$ years. A novel technique that I am investigating is HI intensity mapping on large angular scales. Recent work has shown that this could be powerful in constraining cosmological parameters, including dark energy via acoustic oscillations in the matter power spectrum (Baryon Acoustic Oscillations or BAO). The JBCA cosmology group has recently proposed a new experiment ("BINGO") to attempt to make the first detection of this signal (Battye et al., 2013). My expertise in CMB data analysis, particularly in simulations and diffuse foregrounds will be crucial to the success of this new technique.

I am also involved in the SKA, which will be the leading radio astronomy (at least at frequencies below a few GHz) interest for the foreseeable future. I am a member of several working groups and have co-author several of the SKA "science chapters" for the new SKA science book to be published in Proceedings of Science. In particular, the use of the SKA as an intensity mapper has

recently been proposed, leading to a change in the baseline design of the SKA-MID instrument. In principal, this can provide constraints on cosmic acceleration models at a level as good as, or even better, than the *Euclid* mission due for launch 2023. The preparatory work for BINGO (simulations, design, testing) will be crucial input to the design and use of the SKA for this purpose.

C: OTHER EVIDENCE OF ACADEMIC/PROFESSIONAL STANDING

Prizes / awards

- Royal Astronomical Society Michael Penston prize (2004). Annual award for the best UK thesis in astronomy.
- Royal Astronomical Society (RAS) 2018 Group Achievement to the Planck satellite team.
- *Physics World* top 10 breakthrough of the year 2013, given to the scientists working on the European Space Agency's *Planck* space telescope for making the most precise measurement ever of the cosmic microwave background radiation.
- National Aeronautics and Space Administration (NASA) group achievement award (2010). Awarded to the Planck data analysis pipeline development team.
- PPARC (now STFC) PhD studentship (1999–2002).
- Anglo-Australian Observatory (AAO) summer studentship (1999). Funding and stipend to live in Sydney Australia and carry out a research project for 12 weeks. Typically 2–3 students are awarded this each year by international competition.

Consultancy

I have been a consultant to the King Abdulaziz City for Science and Technology (KACST), Saudi Arabia. KACST is an independent scientific organization administratively reporting to the Prime Minister. KACST is both the Saudi Arabian national science agency and its national laboratories. I gave professional advice on a number of areas of astronomy including radio and optical astronomy:

- 2013–2014 A digital backend spectrometer for the Lovell telescope.
- 2013–2014 Optical measurements of the crescent moon.
- 2010–2012 Design and implementation of a small radio dish for monitoring celestial bodies.
- 2010–2011 Construction of an optical observatory in Saudi Arabia.

Membership of professional societies

- Fellow of the Royal Astronomical Society
- Member of the Institute of Physics
- Member of the American Astronomical Society
- Member of *Planck* LFI and HFI core teams.
- Member of the International Network for the Study and Coordination of Astrophysical Foregrounds (INSCAF).

Referee and panel membership

- 2014–2016. Member of the STFC Project Peer Review Panel (PPRP). PPRP is an important STFC panel which oversees large projects within STFC and makes recommendations on funding and strategy to Science Board. The panel meets approximately 4 times per year and assesses both large projects (PPRP) and technical development projects (PRD).
- NASA Astrophysics Data Analysis Programme (ADAP) panel member (2010, 2014). I am one of a few selected people from outside the U.S. to sit on this panel in 2010, and invited back in 2014. The panel typically meets in Baltimore for 3–5 days and each panel consists of approximately 6 scientists. Proposals are for data analysis for NASA missions such as *Spitzer*, *Chandra* and *FUSE*. The total yearly budget for ADAP is $75M.
- Chief editor, Special Issue "Anomalous Microwave Emission: Theory, Modeling, and Observations", published in Advances in Astronomy, Hindawi Publishing.
- Panel Member of the European Research Council (ERC) PE9 for Universe sciences (2010). The ERC funds science within the EU with a yearly budget of almost 2 Billion Euros. I was a panel member on PE9 (Universe sciences) - one of 24 science panels which met in Brussels. I judged several Advanced Grants for senior researchers at the professor level (each eligible for up to 2.5M Euros).
- Expert reviewer for NASA's Post-doctoral Program (NPP) (2014–2018). Each year I regularly review NPP proposals.
- Expert reviewer for the French Research Funding Agency (2011).
- Expert reviewer for the Romanian National Research Council (2011).
- Referee for numerous international journals including Astrophysical Journal (ApJ), Monthly Notices for the Royal Astronomical Society (MNRAS) and Astronomy and Astrophysics (A&A).
- Summer Undergraduate Research Program (SURF) 2005 speaker judge at Caltech.

Examining

- External PhD examiner, *The effects of calibration errors and foreground filters on the CHIME power spectrum measurement*, Carolin Hofer, University of British Columbia, Canada (Apr 2022)
- External PhD examiner, *Unravelling the magneto-ionic fabric of the Milky Way Galaxy*, Alec Thomson, Australian National University (Sept 2019)
- External PhD examiner, *Radio Continuum Emission as a Star Formation Tracer: Bridging the Spatial Scales*, Jonathon Westcott, University of Hertfordshire (Dec 2018).
- External PhD examiner, *Low frequency radio observations of high mass star forming regions*, Jonathon Edward Gregson, The Open University (Sept 2017).
- Internal PhD examiner, *Non-Standard Mechanisms for Cosmic Microwave Background B-mode Production*, Christopher Williams (Nov 2021)
- Internal MPhil examiner, *Filamentary star-forming clouds: turbulence and magnetic fields*, Mr Andrés Cartagena (Jan 2020)
- Internal MSc examiner, *Search for radio pulses from the redback pulsar candidate 3FGL J0212+5320*, Eoin T. O'Kelly (Nov 2019)
- Internal PhD examiner, *Data analysis techniques for the detection of B-mode polarization of the CMB*, Christopher Wallis (Nov 2015).
- Internal MSc examiner, *Detectability of exoplanets with Euclid*, Yun-Hak Kim, University of

Manchester (Nov 2014).

- Internal PhD examiner, *Observing pulsars with LOFAR*, Tom Hassall, University of Manchester (Jan 2012).
- Internal MSc examiner, *SiO masers in shells around AGB stars*, Saul Wiggins, University of Manchester (2010).

Conference/workshop organisation

- C-BASS data analysis workshops. Since 2009, I have organised data analysis workshops at Manchester approximately once per year with visitors from University of Oxford, South Africa and Caltech/JPL.
- Chair and organizer, "CMB component separation & the physics of foregrounds", conference held at Caltech, July 2008. I originated the idea for this conference and obtained over $50000 dollars from local industry and from NASA projects to fund this international conference for over 120 participants. I chaired both the scientific and local organising committees.
- SOC member, European Weak of Astronomy and Space Science (EWASS) Symposium "Understanding CMB Polarization Foregrounds - Clearing the Path to Inflationary B-modes", held Crete, Greece, 4–8 July 2016. Over 100 participants.
- LOC member, National Astronomy Meeting (NAM) 2012, to be held at the University of Manchester (27–30 March 2012). This is one of the largest national astronomy meetings held in the UK, in conjunction with the German Astronomical Society and European Astronomical Society. 500+ participants.
- SOC member, "Understanding Galactic and extragalactic foregrounds: A road to success for cosmological experiments", held in Zadar, Croatia (May 2011). Over 150 international participants.
- SOC and LOC chair for *Planck* science meeting, University of Manchester, July 2010. International conference with approximately 100 participants.

D: TEACHING AND LEARNING

My career up to 2018 has been focussed on research, due to accruing large research grants over the period 2009–2017 that has paid my entire salary for this period. From 2018 I am joining the usual academic track, which includes both research and undergraduate teaching. Below I list the teaching which began in 2018. Nevertheless, I have contributed to teaching within the school in a number of ways before this as indicated below. I have also completed the New Academics Programme (NAP) at the University of Manchester which covers teaching and assessment practices.

- 2018–present Course leader for the 2nd year core course PHYS20161 "Introduction to programming for physicists", which covers the fundamentals of programming based on Python and C++ examples (approx 300 students/year).
- 2009–present Supervision of MPhys(hons) 4th year projects (both semesters).
- 2020 Course co-lead for 3rd/4th year course PHYS40712 "Physics and reality" (approx 30 students/year).
- 2018 - Laboratory demonstrator, 2nd year teaching laboratory.
- 2018–present Personal tutor for undergraduates.

- 2018–present 1st and 2nd year physics tutor for undergraduates.
- 2011–2017 Course leader for the astronomy literature review module (PHYS60351).
- 2012–2014 Laboratory demonstrator, 2nd year teaching laboratory, all astrophysics projects
- 2000–2004 Distance Learning demonstrator, 7m radio telescope, Jodrell Bank Observatory
- 1999–2004 Laboratory demonstrator for 2nd, 3rd and 4th year students, School of Physics & Astronomy, U. Manchester.

E: LEADERSHIP AND/OR MANAGEMENT ROLES

- Head of Sun, Stars and Galaxies (SSG) group at JBCA. I am group leader for the SSG group, which includes 9 academic staff, 2 senior researchers, and approximately 50 post-docs and students. This role includes annual reviews for academic staff, coordination of STFC grant applications and general organisational activities.
- Founder and co-coordinator of collaboration between University of Manchester and the King Abdulaziz City for Science and Technology (KACST) in Saudi Arabia. The collaboration consists of a number of research projects, with mutual benefit between the 2 institutions. KACST is currently funding 3 projects based at the University of Manchester in the field of radio astronomy and cosmology. The grants total approximately £900K.
- Coordinator of Working Group 7 (WG7) of the *Planck* collaboration. WG7 is responsible for all Galactic and Solar System science for the entire of *Planck* - the leading ESA/NASA space mission for cosmology in the radio and sub-mm. WG7 consists of over 160 scientists from around the world and 15 sub-projects, each with a leader/co-leader that reports to the WG7 coordinator. The WG7 coordinator is one of the highest positions within the *Planck* collaboration (of over 800 scientists) and reports to the *Planck* Science Team (the highest scientific body within the *Planck* collaboration). I am also a member of the Planck conference committee that overseas and reviews all external Planck talks and presentations.
- Member of the *Planck* conference committee. This committee overseas and authorises all talks from *Planck* team members including conference presentations.
- Leader of the Galactic science programme for the Cosmic Background Imager (CBI) project. I coordinated the observational programme which involved scientists from Caltech (California), NRAO (Socorro), CITA (Canada), Manchester and Oxford.
- Member of the International Network for the Study and Coordination of Astrophysical Foregrounds (INSCAF). This group consists of $\sim$ 50 international scientists who regularly meet to coordinate this area of radio astronomy. I am co-chair of the Science working group of INSCAF.
- Course director for MSc by research in astronomy and astrophysics. I oversee and coordinate the postgraduate course for Jodrell Bank Centre for Astrophysics (typically 10 students per year)
- Member of the post-graduate committee for the School of Physics & Astronomy.
- Member of the Post-graduate Research Panel (PGR) for the EPS faculty - I am the representative for the School of Physics & Astronomy, dealing with degree awards, mitigating circumstances and appeals.
- Advisor to numerous PhD/MSc research students since 2011.

G: OUTREACH AND PUBLIC ENGAGEMENT

Over the past several years I have made a concerted effort to engage the public and present my work outside the astronomy community. I give regular talks to the local community and media. Below I give some examples.

- 2018: Talk at Doncaster Astronomical Society, Doncaster, 11 January 2018. "The Microwave Universe." Approximately 50 people.
- 2017: Talk at Bolton Astronomical Society, Bolton, Lancashire, 17 October 2017. "The Microwave Universe." Approximately 50 people.
- 2017: Talk to year 6 pupils at St. Philips' C of E Primary School about careers and astrophysics, Atherton, Lancashire, 14 June 2017. Approximately 40 children.
- 2016: Talk at West Didsbury Astronomical Society. "Unveiling the Cosmic Microwave Background". 10 October 2016. Approximately 40 people.
- 2016: Talk to 6th formers at Manchester high school for girls. "Unveiling the Cosmic Microwave Background. 7 October 2016. Approx. 50 students.
- 2016: Royal Society Science Festival, London. Hosted at *Planck* stand. 16000 visitors.
- 2015: RAS press release at the National Astronomy Meeting (NAM, 7th July 2015) based on the *Planck* low-frequency foregrounds paper, led by myself and Dr. J. P. Leahy. The talk at NAM2015 was given jointly by Dr. Mike Peel (post-doc) and Dr. J. P. Leahy. This was picked up by numerous magazines, newspapers and societies including the Daily Mail, Scientific American, Astronomy and Astronomy Now magazines.
- 2015: Invited speaker at the Nottingham Astronomical Society (NAS, 4 June 2015) and Macclesfield Astronomical Society (MAS, 16 June 2015) on the "Microwave Universe". Approximately 100 people in attendance at each event. The NAS event was held at the Geological Survey (Keyworth) and was advertised in the local media and in astronomy magazines (e.g. Astronomy Now).
- 2014: Appearance on the Stargazing Live program, aired on BBC2 on 13th January 2014. Over 3 million viewers. I was interviewed for a day at Jodrell Bank Observatory on my research and the relation to the programme.
- 2014: Invited keynote talk at the British Astronomical Association Weekend Meeting, hosted by the Macclesfield Astronomical Society, Macclesfield Town Hall, 5th September 2014. Opening talk of the societies weekend meeting with over 200 participants.
- 2014: Article in New Scientist on "*Supernova shock waves create glowing arcs across sky*", based on work by my team (Vidal et al. 2015). Includes interview quotes with my post-doc Dr Matias Vidal; see http://www.newscientist.com/article/dn26477-supernova-shock-waves-create-glowing-arcs-across-sky.html#.VKrTf8as7A4
- Talks to primary school children on "Space" and "NASA lunar missions", St Philips Church of England Primary School, Atherton, Lancashire (Jan 16th 2013 and Jan 24th 2014).
- Talks to 6th-formers at Bury Grammar School for Girls (19 November 2012 and 7 October 2013). I talked to $\approx$ 30 A-level students about careers in astronomy and about science/cosmology.
- Invited speaker at "Ask the expert" sessions, held at Jodrell Bank Observatory (8 June 2012, 24 August 2012, 29 November 2012, 12 April 2013, 31 May 2013). This involves giving a short talk to the public (including children) and then leading a question & answer session. This lasts for 1 hour and is held after lunchtime during the day.

- Lovell lecture, 27 October 2011. I was invited to give a public lecture at the Jodrell Bank Discovery Centre as part of the Lovell lecture series. Over 100 people attended, each paying £7.50 to attend. Previous speakers include Sir Bernard Lovell, Sir Francis Graham-Smith, Sir Arnold Wolfendale and Prof David Southwood. I have been invited as the expert for the "ask the expert" sessions ran over lunch time for the public at the Jodrell Bank Discovery Centre.
- I gave one of 5 invited talks at the *Planck* early results press conference, 11 Jan 2011, Paris. I gave the talk on behalf of the *Planck* collaboration to over 30 invited press officers from around the world. The talk was video-streamed by ESA and NASA (see e.g. `http://www.esa.int/SPECIALS/Planck/SEMBTA3SNIG_0.html`). I gave numerous interviews after the talk including the BBC and New Scientist; see e.g. `http://www.bbc.co.uk/blogs/thereporters/jonathanamos/2011/01/astrophysical-brass-in-the-mic.shtml`
- I presented a poster at the SET for Britain Conference held at the Houses of Parliament, London, 2nd March 2010. I presented my work to MPs and senior businessmen from around the UK.
- Contributor at the Jodrell Bank stand exhibited at the Big Bang festival, One Central, Manchester, 11–13 March 2010. This event was attended by over 10,000 people.
- Contributor to the *Planck/Herschel* exhibit at the Royal Society science festival, London, 30 June – 3 July 2009. "From the oldest light to the youngest stars: the Herschel and Planck Missions".

Peer reviewed publications (222 total)

222. *Revisiting the Distance to Radio Loops I and IV Using Gaia and Radio/Optical Polarization Data*
Panopoulou, G. V., **Dickinson, C.**, Readhead, A. C. S., Pearson, T. J., Peel, M. W.
The Astrophysical Journal, 2021, Volume 922, Issue 2, id.210, 18 pp.

221. *Detection of spectral variations of Anomalous Microwave Emission with QUIJOTE and C-BASS*
Cepeda-Arroita, R., 35 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2021, Volume 503, Issue 2, pp.2927-2943

220. *Resolved spectral variations of the centimetre-wavelength continuum from the ρ Oph W photodissociation region*
Casassus, Simon, Vidal, Matias, Arce-Tord, Carla, **Dickinson, Clive**, White, Glenn J., Burton, Michael, Indermuehle, Balthasar, Hensley, Brandon
Monthly Notices of the Royal Astronomical Society, 2021, Volume 502, Issue 1, pp.589-600

219. *Planck 2018 results. XII. Galactic astrophysics using polarized dust emission*
Planck Collaboration, 162 co-authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 641, id.A12, 43 pp.

218. *Planck 2018 results. XI. Polarized dust foregrounds*
Planck Collaboration, 133 co-authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 641, id.A11, 33 pp.

217. *Planck 2018 results. IV. Diffuse component separation*
Planck Collaboration, 154 co-authors including **Dickinson, C.**

Astronomy & Astrophysics, Volume 641, id.A4, 74 pp.

216. *Planck 2018 results. II. Low Frequency Instrument data processing*
Planck Collaboration, 150 co-authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 641, id.A2, 33 pp.

215. *Planck 2018 results. I. Overview and the cosmological legacy of Planck*
Planck Collaboration, 194 co-authors including **Dickinson, C.**
Astronomy & Astrophysics, 2020, Volume 641, id.A1, 56 pp.

214. *Hierarchical Bayesian CMB component separation with the No-U-Turn Sampler*
Grumitt, R. D. P., Jew, Luke R. P., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2020, Volume 496, Issue 4, pp.4383-4401

213. *The C-Band All-Sky Survey: total intensity point-source detection over the northern sky*
Grummitt, R. D. P., et al., 17 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2020, Volume 496, Issue 2, pp.1941-1958

212. *Modelling the spinning dust emission from LDN 1780*
Vidal, Matias, **Dickinson, Clive**, Harper, S. E., Casassus, Simon, Witt, A. N.
Monthly Notices of the Royal Astronomical Society, 2020, Volume 495, Issue 1, pp.1122-1135

211. *Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts*
Square Kilometre Array Cosmology Science Working Group, 46 co-authors including **Dickinson, C.**
Publications of the Astronomical Society of Australia, 2020, Volume 37, article id. e007

210. *A Two Carrier Families Spectral Profile Model for Anomalous Microwave Emission*
Bernstein, L. S., Shroll, R. M., Quenneville, J., **Dickinson, C.**
The Astrophysical Journal, 2020, Volume 892, Issue 1, id.69, 25 pp.

209. *Resolved observations at 31 GHz of spinning dust emissivity variations in ρ Oph*
Arce-Tord, C., et al., 12 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2020, Volume 495, Issue 3, pp.3482-3493

208. *Updated Design of the CMB Polarization Experiment Satellite LiteBIRD*
Sugai, H., et al., 221 co-authors including **Dickinson, C.**
Journal of Low Temperature Physics, 2020, Volume 199, Issue 3-4, p.1107-1117

207. *Impact of 1/f noise on cosmological parameter constraints for SKA intensity mapping*
Chen, T., Battye, R. A., Costa, A. A., *Dickinson, C.*, Harper, S. E.
Monthly Notices of the Royal Astronomical Society, 2020, Volume 491, Issue 3, p.4254-4266

206. *The C-Band All-Sky Survey (C-BASS): Simulated parametric fitting in single pixels in total intensity and polarization*
Jew, Luke, et al., 16 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2019, Volume 490, Issue 2, p.2958-2975

205. *A first quantification of the effects of absorption for H I intensity mapping experiments*
Roychowdhury, Sambit, **Dickinson, Clive**, Browne, Ian W. A.
Astronomy & Astrophysics, 2019, Volume 631, id.A115, 15 pp.

204. *QUIJOTE scientific results - III. Microwave spectrum of intensity and polarization in the Taurus Molecular Cloud complex and L1527*
Poidevin, F., et al., 19 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2019, Volume 486, Issue 1, p.462-485

203. *The C-Band All-Sky Survey (C-BASS): Constraining diffuse Galactic radio emission in the North Celestial Pole region*
Dickinson, C., et al., 19 co-authors
Monthly Notices of the Royal Astronomical Society, 2019, Volume 485, Issue 2, p.2844-2860

202. *The C-Band All-Sky Survey (C-BASS): digital backend for the northern survey*
Stevenson, M. A., Pearson, T. J., Jones, Michael E., Copley, C. J., **Dickinson, C.**, John, J. J., King, O. G., Muchovej, S. J. C., Taylor, Angela C.
Monthly Notices of the Royal Astronomical Society, 2018, Volume 484, Issue 4, p.5377-5388

201. *Baryon Acoustic Oscillations from Integrated Neutral Gas Observations: Radio Frequency Interference Measurements and Telescope Site Selection*
Peel, M. W., et al., 12 co-authors including **Dickinson, C.**
Journal of Astronomical Instrumentation, Volume 8, Issue 1, id. 1940005

200. *The C-Band All-Sky Survey (C-BASS): design and capabilities*
Jones, M. E., et al., 25 co-authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2018, Volume 480, Issue 3, p.3224-3242

199. *Planck intermediate results. LIV. The Planck multi-frequency catalogue of non-thermal sources*
Planck collaboration, 160 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2018, Volume 619, id.A94, 22 pp.

198. *Impact of SZ cluster residuals in CMB maps and CMB-LSS cross-correlations*
Chen, T., Remazeilles, M., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2018, Volume 479, Issue 3, p.4239-4252

197. *Potential impact of global navigation satellite services on total power H I intensity mapping surveys*
Harper, Stuart E., **Dickinson, Clive**
Monthly Notices of the Royal Astronomical Society, 2018, Volume 479, Issue 2, p.2024-2036

196. *Constraining the Anomalous Microwave Emission Mechanism in the S140 Star-forming Region with Spectroscopic Observations between 4 and 8 GHz at the Green Bank Telescope*
Abitbol, Maximilian H., Johnson, Bradley R., Jones, Glenn, **Dickinson, Clive**; Harper, Stuart
The Astrophysical Journal, 2018, Volume 864, Issue 1, article id. 97, 18 pp.

195. *Planck intermediate results. LIII. Detection of velocity dispersion from the kinetic Sunyaev-Zeldovich effect*

Planck collaboration, 159 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2018, Volume 617, id.A48, 17 pp.

194. *Impact of simulated 1/f noise for HI intensity mapping experiments*
Harper, S. E., **Dickinson, C.**, Battye, R. A., Roychowdhury, S., Browne, I. W. A., Ma, Y.-Z., Olivari, L. C., Chen, T.
Monthly Notices of the Royal Astronomical Society, 2018, Volume 478, Issue 2, p.2416-2437

193. *Large-Scale Features of the Radio Sky and a Model for Loop I*
Dickinson, C.
Galaxies, 2018, vol. 6, issue 2, p. 56

192. *Exploring cosmic origins with CORE: B-mode component separation*
Remazeilles, M., et al., 116 co-authors including **Dickinson, C.**
Journal of Cosmology and Astroparticle Physics, 2018, Issue 04, article id. 023.

191. *Exploring cosmic origins with CORE: Survey requirements and mission design*
Delabrouille, J, et al., 202 co-authors including **Dickinson, C.**
Journal of Cosmology and Astroparticle Physics, 2018, Issue 04, article id. 014.

190. *The State-of-Play of Anomalous Microwave Emission (AME) Research*
Dickinson, Clive, et al., and 32 co-authors
New Astronomy Reviews, 2018, Volume 80, p. 1-28.

189. *Joint Bayesian estimation of tensor and lensing B modes in the power spectrum of CMB polarization data*
Remazeilles, M., **Dickinson, C.**, Eriksen, H. K., Wehus, I. K.
Monthly Notices of the Royal Astronomical Society, 2018, Volume 474, Issue 3, p.3889-3897

188. *Cosmological parameter forecasts for H I intensity mapping experiments using the angular power spectrum*
Olivari, L. C., **Dickinson, C.**, Battye, R. A., Ma, Y.-Z., Costa, A. A., Remazeilles, M., Harper, S.
Monthly Notices of the Royal Astronomical Society, 2018, Volume 473, Issue 3, p.4242-4256

187. *Tests of star formation metrics in the low-metallicity galaxy NGC 5253 using ALMA observations of H30? line emission*
Bendo, G. J., Miura, R. E., Espada, D., Nakanishi, K., Beswick, R. J., D'Cruze, M. J., **Dickinson, C.**, Fuller, G. A.
Monthly Notices of the Royal Astronomical Society, 2017, Volume 472, Issue 1, p.1239-1252

186. *Planck intermediate results. L. Evidence of spatial variation of the polarized thermal dust spectral energy distribution and implications for CMB B-mode analysis* Planck Collaboration, 158 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 599, id.A51, 15

185. *Monopole and dipole estimation for multi-frequency sky maps by linear regression*
Wehus, I. K., Fuskeland, U., Eriksen, H. K., Banday, A. J., **Dickinson, C.**, Ghosh, T., Górski, K. M., Lawrence, C. R., Leahy, J. P., Maino, D., Reich, P., Reich, W.

Astronomy & Astrophysics, 2017, Volume 597, id.A131, 14

184. *Planck intermediate results. XLIX. Parity-violation constraints from polarization data*
Planck Collaboration, 150 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A110, 13

183. *Planck intermediate results. XLVIII. Disentangling Galactic dust emission and cosmic infrared background anisotropies*
Planck Collaboration, 159 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A109, 26

182. *Planck intermediate results. XLVII. Planck constraints on reionization history*
Planck Collaboration, 167 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A108, 19

181. *Planck intermediate results. XLVI. Reduction of large-scale systematic effects in HFI polarization maps and estimation of the reionization optical depth*
Planck Collaboration, 172 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A107, 52

180. *Planck intermediate results. XLV. Radio spectra of northern extragalactic radio sources*
Planck Collaboration, 186 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A106, 37

179. *Planck intermediate results. XLIV. Structure of the Galactic magnetic field from dust polarization maps of the southern Galactic cap*
Planck Collaboration, 167 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A105, 15

178. *Planck intermediate results. XLII. Large-scale Galactic magnetic fields*
Planck Collaboration, 177 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A103, 28

177. *Planck intermediate results. XLI. A map of lensing-induced B-modes*
Planck Collaboration, 180 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A102, 19

176. *Planck intermediate results. XL. The Sunyaev-Zeldovich signal from the Virgo cluster*
Planck Collaboration, 204 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A101, 20

175. *Planck intermediate results. XXXIX. The Planck list of high-redshift source candidates*
Planck Collaboration, 190 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 596, id.A100, 28

174. *Free-free and H42? emission from the dusty starburst within NGC 4945 as observed by ALMA*
Bendo, G. J., Henkel, C., D'Cruze, M. J., Dickinson, C., Fuller, G. A., Karim, A.
Monthly Notices of the Royal Astronomical Society, Volume 463, Issue 1, p.252-269

173. *A new polarization amplitude bias reduction method*
Vidal, Matias, Leahy, J. P., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, Volume 461, Issue 1, p.698-709

172. *Planck 2015 results. XXVIII. The Planck Catalogue of Galactic cold clumps*
Planck Collaboration, 222 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A28, 28

171. *Planck 2015 results. XXVII. The second Planck catalogue of Sunyaev-Zeldovich sources*
Planck Collaboration, 259 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A27, 38

170. *Planck 2015 results. XXVI. The Second Planck Catalogue of Compact Sources*
Planck Collaboration, 242 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A26, 39

169. *Planck 2015 results. XXV. Diffuse low-frequency Galactic foregrounds*
Planck Collaboration, 239 authors including **Dickinson, C.**
***Corresponding author: **C. Dickinson**.
Note that all *Planck* papers are cited as *Planck* collaboration et al., where the corresponding author is the leader of the paper.
Astronomy & Astrophysics, Volume 594, id.A25, 45

168. *Planck 2015 results. XXIII. The thermal Sunyaev-Zeldovich effect-cosmic infrared background correlation*
Planck Collaboration, 201 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A23, 17

167. *Planck 2015 results. XXII. A map of the thermal Sunyaev-Zeldovich effect*
Planck Collaboration, 201 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A22, 24

166. *Planck 2015 results. XIII. Cosmological parameters*
Planck Collaboration, 261 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A13, 63

165. *Planck 2015 results. XII. Full focal plane simulations*
Planck Collaboration, 230 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A12, 28

164. *Planck 2015 results. XI. CMB power spectra, likelihoods, and robustness of parameters*
Planck Collaboration, 223 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A11, 99

163. *Planck 2015 results. X. Diffuse component separation: Foreground maps*
Planck Collaboration, 239 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A10, 63

162. *Planck 2015 results. IX. Diffuse component separation: CMB maps*
Planck Collaboration, 239 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A9, 42

161. *Planck 2015 results. VI. LFI mapmaking*
Planck Collaboration, 200 authors including **Dickinson, C.**
Astronomy & Astrophysics, Volume 594, id.A6, 23

160. *Planck 2015 results. V. LFI calibration*
Planck Collaboration, 208 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 594, id.A5, 24

159. *Planck 2015 results. IV. Low Frequency Instrument beams and window functions*
Planck Collaboration, 202 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 594, id.A4, 22

158. *Planck 2015 results. III. LFI systematic uncertainties*
Planck Collaboration, 170 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 594, id.A3, 32

157. *Planck 2015 results. II. Low Frequency Instrument data processings*
Planck Collaboration, 216 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 594, id.A2, 35

156. *Planck 2015 results. I. Overview of products and scientific results*
Planck Collaboration, 369 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 594, id.A1, 38

155. *Sensitivity and foreground modelling for large-scale cosmic microwave background B-mode polarization satellite missions*
Remazeilles, M., **Dickinson, C.**, Eriksen, H. K. K., Wehus, I. K.
Monthly Notices of the Royal Astronomical Society, 2016, Volume 458, Issue 2, p.2032-2050

154. *Extracting H I cosmological signal with generalized needlet internal linear combination*
Olivari, L. C., Remazeilles, M., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2016, Volume 456, Issue 3, p.2749-2765

153. *Planck intermediate results. XXXVIII. E- and B-modes of dust polarization from the magnetized filamentary structure of the interstellar medium*
Planck Collaboration, 205 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A141, 17

152. *Planck intermediate results. XXXVII. Evidence of unbound gas from the kinetic Sunyaev-Zeldovich effect*
Planck Collaboration, 191 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A140, 14

151. *Planck intermediate results. XXXV. Probing the role of the magnetic field in the formation of structure in molecular clouds*

Planck Collaboration, 197 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A138, 29

150. *Planck intermediate results. XXXIV. The magnetic field structure in the Rosette Nebula*
Planck Collaboration, 199 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A137, 16

149. *Planck intermediate results. XXXIII. Signature of the magnetic field geometry of interstellar filaments in dust polarization maps*
Planck Collaboration, 193 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A136, 16

148. *Planck intermediate results. XXXII. The relative orientation between the magnetic field and structures traced by interstellar dust*
Planck Collaboration, 203 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A135, 24 pp

147. *Planck intermediate results. XXXI. Microwave survey of Galactic supernova remnants*
Planck Collaboration, 162 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A134, 21

146. *Planck intermediate results. XXX. The angular power spectrum of polarized dust emission at intermediate and high Galactic latitudes*
Planck Collaboration, 233 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A133, 25

145. *Planck intermediate results. XXIX. All-sky dust modelling with Planck, IRAS, and WISE observations*
Planck Collaboration, 197 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2016, Volume 586, id.A132, 26

144. *Simulations for single-dish intensity mapping experiments*
Bigot-Sazy, M.-A., **Dickinson, C.**, Battye, R. A., Browne, I. W. A., Ma, Y.-Z., Maffei, B., Noviello, F., Remazeilles, M., Wilkinson, P. N.
Monthly Notices of the Royal Astronomical Society, 2015, Volume 454, Issue 3, p.3240-3253

143. *Observations of free-free and anomalous microwave emission from LDN 1622 with the 100 m Green Bank Telescope*
Harper, S. E., **Dickinson, C.**, Cleary, K.
Monthly Notices of the Royal Astronomical Society, 2015, Volume 453, Issue 4, p.3375-3385

142. *Anomalous Microwave Emission in HII Regions: Is it Really Anomalous? The Case of RCW 49*
Paladini, Roberta, Ingallinera, Adriano, Agliozzo, Claudia, Tibbs, Christopher T., Noriega-Crespo, Alberto, Umana, Grazia, **Dickinson, Clive**; Trigilio, Corrado
The Astrophysical Journal, 2015, Volume 813, Issue 1, article id. 24, 12 pp.

141. *Observations of Galactic star-forming regions with the Cosmic Background Imager at 31 GHz*

Demetroullas, C., **Dickinson, C.**, Stamadianos, D., Harper, S. E., Cleary, K., Jones, Michael E., Pearson, T. J., Readhead, A. C. S., Taylor, Angela C.
Monthly Notices of the Royal Astronomical Society, 2015, Volume 453, Issue 2, p.2082-2093

140. *QUIJOTE scientific results - I. Measurements of the intensity and polarisation of the anomalous microwave emission in the Perseus molecular complex*
Genova-Santos, R., et al., 31 authors including **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2015, Volume 452, Issue 4, p.4169-4182

139. *The Q/U Imaging Experiment: Polarization Measurements of the Galactic Plane at 43 and 95 GHz*
Ruud, T.M. et al., 42 authors including **Dickinson, C.**
The Astrophysical Journal, 2015, Volume 811, Issue 2, article id. 89, 21 pp.

138. *Planck intermediate results. XXVIII. Interstellar gas and dust in the Chamaeleon clouds as seen by Fermi LAT and Planck*
Planck Collaboration, 199 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, Volume 582, id.A31, 32 pp.

137. *Planck intermediate results. XXV. The Andromeda galaxy as seen by Planck*
Planck Collaboration, 203 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, Volume 582, id.A28, 23

136. *Polarized radio filaments outside the Galactic plane*
Vidal, Matias, **Dickinson, C.**, Davies, R. D., Leahy, J. P.
Monthly Notices of the Royal Astronomical Society, 2015, Volume 452, Issue 1, p.656-675

135. *Planck 2013 results. XXXII. The updated Planck catalogue of Sunyaev-Zeldovich sources*
Planck Collaboration, 276 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 581, A14, 8

134. *An improved source-subtracted and destriped 408-MHz all-sky map*
Remazeilles, M., **Dickinson, C.**, Banday, A. J., Bigot-Sazy, M.-A., Ghosh, T.
Monthly Notices of the Royal Astronomical Society, 451, 4311

133. *Planck intermediate results. XXIII. Galactic plane emission components derived from Planck with ancillary data*
Planck Collaboration, 192 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 518, 27

132. *ALMA observations of 99 GHz free-free and H40α line emission from star formation in the centre of NGC 253*
Bendo, G. J., Beswick, R. J., D'Cruze, M. J., Dickinson, C., Fuller, G. A., Muxlow, T. W. B.
Monthly Notices of the Royal Astronomical Society, 2015, 450, L80

131. *The HIPASS survey of the Galactic plane in radio recombination lines*
Alves, Marta I. R., Calabretta, Mark, Davies, Rodney D., Dickinson, Clive, Staveley-Smith, Lister, Davis, Richard J., Chen, Tianyue, Barr, Adam
Monthly Notices of the Royal Astronomical Society, 2015, 450, 2025

130. *The Q/U Imaging Experiment: Polarization Measurements of Radio Sources at 43 and 95 GHz*
Huffenberger, K. M., Araujo, D., Bischoff, C., Buder, I., Chinone, Y., Cleary, K., Kusaka, A., Monsalve, R., Næss, S. K., Newburgh, L. B., Reeves, R., Ruud, T. M., Wehus, I. K., Zwart, J. T. L., Dickinson, C., Eriksen, H. K., Gaier, T., Gundersen, J. O., Hasegawa, M., Hazumi, M., Miller, A. D., Radford, S. J. E., Readhead, A. C. S., Staggs, S. T., Tajima, O., Thompson, K. L., QUIET Collaboration
Astrophysical Journal, 2015, 806, 112

129. *C-Band All-Sky Survey: a first look at the Galaxy*
Irfan, M. O., Dickinson, C., Davies, R. D., Copley, C., Davis, R. J., Ferreira, P. G., Holler, C. M., Jonas, J. L., Jones, Michael E., King, O. G., Leahy, J. P., Leech, J., Leitch, E. M., Muchovej, S. J. C., Pearson, T. J., Peel, M. W., Readhead, A. C. S., Stevenson, M. A., Sutton, D., Taylor, Angela C., Zuntz, J.
Monthly Notices of the Royal Astronomical Society, 2015, 448, 3572

128. *Planck intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization*
Planck Collaboration, 179 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 576, 107

127. *Planck intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible*
Planck Collaboration, 195 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 576, 106

126. *Planck intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence*
Planck Collaboration, 188 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 576, 105

125. *Planck intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust*
Planck Collaboration, 201 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2015, 576, 104

124. *Joint Analysis of BICEP2/Keck Array and Planck Data*
BICEP2/Keck and Planck Collaboration, 278 authors including **Dickinson, C.**
Physical Review Letters, 2015, 114, 101301

123. *Planck intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae*
Planck Collaboration, 160 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 573, 6

122. *Planck 2013 results. XXXI. Consistency of the Planck data*
Planck Collaboration, 183 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, 31

121. *Planck 2013 results. XXX. Cosmic infrared background measurements and implications for star formation*
Planck Collaboration, 241 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, 30

120. *Planck 2013 results. XXIX. The Planck catalogue of Sunyaev-Zeldovich sources*
Planck Collaboration, 277 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, 29

119. *Planck intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae*
Planck Collaboration, 161 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 573, A6

118. *Planck 2013 results. XXXI. Consistency of the Planck data*
Planck Collaboration, 183 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A31

117. *Planck 2013 results. XXX. Cosmic infrared background measurements and implications for star formation*
Planck Collaboration, 241 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A30

116. *Planck 2013 results. XXIX. The Planck catalogue of Sunyaev-Zeldovich sources*
Planck Collaboration, 275 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A29

115. *Planck 2013 results. XXVIII. The Planck Catalogue of Compact Sources*
Planck Collaboration, 243 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A28

114. *Planck 2013 results. XXII. Constraints on inflation*
Planck Collaboration, 243 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A22

113. *Planck 2013 results. XXI. Power spectrum and high-order statistics of the Planck all-sky Compton parameter map*
Planck Collaboration, 238 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A21

112. *Planck 2013 results. XX. Cosmology from Sunyaev–Zeldovich cluster counts*
Planck Collaboration, 254 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A20

111. *Planck 2013 results. XIX. The integrated Sachs-Wolfe effect*
Planck Collaboration, 247 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A19

110. *Planck 2013 results. XVII. Gravitational lensing by large-scale structure*
Planck Collaboration, 240 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A17

109. *Planck 2013 results. XVI. Cosmological parameters*
Planck Collaboration, 264 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A16

108. *Planck 2013 results. XV. CMB power spectra and likelihood*
Planck Collaboration, 261 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A15

107. *Planck 2013 results. XIV. Zodiacal emission*
Planck Collaboration, 231 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A14

106. *Planck 2013 results. XIII. Galactic CO emission*
Planck Collaboration, 243 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A13

105. *Planck 2013 results. XII. Diffuse component separation*
Planck Collaboration, 260 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A12

104. *Planck 2013 results. XI. All-sky model of thermal dust emission*
Planck Collaboration, 246 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A11

103. *Planck 2013 results. IX. HFI spectral response*
Planck Collaboration, 219 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A9

102. *Planck 2013 results. VIII. HFI photometric calibration and mapmaking*
Planck Collaboration, 228 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A8

101. *Planck 2013 results. VI. High Frequency Instrument data processing*
Planck Collaboration, 209 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A6

100. *Planck 2013 results. V. LFI calibration*
Planck Collaboration, 219 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A5

99. *Planck 2013 results. IV. Low Frequency Instrument beams and window functions*
Planck Collaboration, 209 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A4

98. *Planck 2013 results. III. LFI systematic uncertainties*

Planck Collaboration, 220 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A3

97. *Planck 2013 results. II. Low Frequency Instrument data processing*
Planck Collaboration, 231 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A2

96. *Planck 2013 results. I. Overview of products and scientific results*
Planck Collaboration, 400 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 571, A1

95. *The pros and cons of the inversion method approach to derive 3D dust emission properties in the ISM: the Hi-GAL field centred on (l, b) = (30°, 0°)*
Traficante, A., Paladini, R,; Compiegne, M., Alves, M. I. R., Cambresy, L., Gibson, S. J., Tibbs, C. T., Noriega-Crespo, A., Molinari, S., Carey, S. J., Ingalls, J. G., Natoli, P., Davies, R. D., Davis, R. J., **Dickinson, C.**, Fuller, G. A.
Monthly Notices of the Royal Astronomical Society, 2014, 440, 3588

94. *Planck intermediate results. XVII. Emission of dust in the diffuse interstellar medium from the far-infrared to microwave frequencies*
Planck collaboration, 191 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 566, A55

93. *Planck intermediate results. XVI. Profile likelihoods for cosmological parameters*
Planck collaboration, 184 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2014, 566, A54

92. *Planck intermediate results. XV. A study of anomalous microwave emission in Galactic clouds*
Planck collaboration, 184 authors including **Dickinson, C.** *as corresponding author****
***Corresponding author: **C. Dickinson**.
Note that all *Planck* papers are cited as *Planck* collaboration et al., where the corresponding author is the leader of the paper.
Astronomy & Astrophysics, 2014, 565, A103

91. *A radio determination of the time of the New Moon*
Hafez, Yaser A., Trojan, Lorenzo, Albaqami, Fahad H., Almutairi, Abdulmajeed Z., Davies, Rodney D., **Dickinson, Clive**, Piccirillo, Lucio
Monthly Notices of the Royal Astronomical Society, 2014, 439, 2271

90. *Planck intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane*
Planck collaboration, 194 authors including **Dickinson, C.**,
Astronomy & Astrophysics, 2014, 564, A45

89. *The C-Band All-Sky Survey (C-BASS): design and implementation of the northern receiver*
King, O. G., Jones, Michael E., Blackhurst, E. J., Copley, C., Davis, R. J., **Dickinson, C.**, Holler, C. M., Irfan, M. O., John, J. J., Leahy, J. P., Leech, J., Muchovej, S. J. C., Pearson, T. J., Stevenson, M. A., Taylor, Angela C., Monthly Notices of the Royal Astronomical Society,

2014, 438, 2426

88. *H I intensity mapping: a single dish approach*
Battye, R. A., Browne, I. W. A., **Dickinson, C.**, Heron, G., Maffei, B., Pourtsidou, A.
Monthly Notices of the Royal Astronomical Society, 2013, 434, 1239

87. *Planck intermediate results. XII: Diffuse Galactic in the Gould Belt system*
Planck collaboration, 181 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 557, A53, p20

86. *Constraints on Free-Free Emission from Anomalous Microwave Emission Sources in the Perseus Molecular Cloud*
Tibbs, C. T., Paladini, R., **Dickinson, C.**, Mason, B. S., Casassus, S., Cleary, K., Davies, R. D., Davis, R. J., Watson, R. A.
The Astrophysical Journal, 2013, 770, 122

85. *Planck intermediate results. X. Physics of the hot gas in the Coma cluster*
Planck collaboration, 209 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 554, A140

84. *Planck intermediate results. IX. Detection of the Galactic haze with Planck*
Planck collaboration, 188 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 554, A139

83. *Long-term variability of extragalactic radio sources in the Planck Early Release Compact Source Catalogue*
Chen, X., Rachen, J. P., López-Caniego, M., **Dickinson, C.**, Pearson, T. J., Fuhrmann, L., Krichbaum, T. P., Partridge, B.
Astronomy & Astrophysics, 2013, 553, A107

82. *The pre-launch Planck Sky Model: a model of sky emission at submillimetre to centimetre wavelengths*
Delabrouille, J., et al., 44 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 553, A96

81. *AMI Observations of the Anomalous Microwave Emission in the Perseus Molecular Cloud*
Tibbs, C. T., Scaife, A. M. M., **Dickinson, C.**, Paladini, R., Davies, R. D., Davis, R. J., Grainge, K. J. B., Watson, R. A.
The Astrophysical Journal, 2013, 768, 98

80. *The Q/U Imaging ExperimenT Instrument*
QUIET collaboration, 54 authors including **Dickinson, C.**
Astrophysical Journal, 2013, 768, 9

79. *Observations of Anomalous Microwave Emission from HII Regions*
Dickinson, C.
Advances in Astronomy, 2013, 2013, id.16478

78. *Planck intermediate results. VII. Statistical properties of infrared and radio extragalactic*

sources from the Planck Early Release Compact Source Catalogue at frequencies between 100 and 857 GHz
Planck collaboration, including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 550, A133

77. *Planck intermediate results. II. Comparison of Sunyaev-Zeldovich measurements from Planck and from the Arcminute Microkelvin Imager for 11 galaxy clusters*
Planck collaboration, including **Dickinson, C.**
Astronomy & Astrophysics, 2013, 550, 20

76. *Second Season QUIET Observations: Measurements of the Cosmic Microwave Background Polarization Power Spectrum at 95 GHz*
QUIET collaboration, including **Dickinson, C.**
Astrophysical Journal, 2012, 760, 10

75. *Template fitting of WMAP 7-year data: anomalous dust or flattening synchrotron emission?*
Peel, M. W., **Dickinson, C.**, Davies, R. D., Banday, A. J., Jaffe, T. R., Jonas, J. L.
Monthly Notices of the Royal Astronomical Society, 2012, 424, 2676

74. *Impact on the tensor-to-scalar ratio of incorrect Galactic foreground modelling*
Armitage-Caplan, Charmaine, Dunkley, Joanna, Eriksen, Hans Kristian, **Dickinson, Clive**
Monthly Notices of the Royal Astronomical Society, 2012, 424, 1914

73. *A Multi-wavelength Investigation of RCW175: An H II Region Harboring Spinning Dust Emission*
Tibbs, C. T., Paladini, R., Compiègne, M., **Dickinson, C.**, Alves, M. I. R., Flagey, N., Shenoy, S., Noriega-Crespo, A., Carey, S., Casassus, S., Davies, R. D., Davis, R. J., Molinari, S., Elia, D., Pestalozzi, M., Schisano, E.
Astrophysical Journal, 2012, 754, 17

72. *On the Limitations of the Anomalous Microwave Emission Emissivity*
Tibbs, Christopher T., Paladini, Roberta, **Dickinson, Clive**
Advances in Astronomy, 2012, id.124931

71. *Foreground analysis using cross-correlations of external templates on the 7-year Wilkinson Microwave Anisotropy Probe data*
Ghosh, T., Banday, A. J., Jaffe, T., **Dickinson, C.**, Davies, R.; Davis, R., Gorski, K.
Monthly Notices of the Royal Astronomical Society, 2012, 422, 3617

70. *A derivation of the free-free emission on the Galactic plane between l=20 and 44 degrees*
Alves, Marta I. R., Davies, Rodney D., **Dickinson, Clive**, Calabretta, Mark, Davis, Richard, Staveley-Smith, Lister
Monthly Notices of the Royal Astronomical Society, 2012, 422, 2429

69. *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* $z \sim 1$
Planck collaboration, 191 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A26

68. *Planck early results. XXV. Thermal dust in nearby molecular clouds*
Planck collaboration, 199 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A25

67. *Planck early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo*
Planck collaboration, 207 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A24

66. *Planck early results. XXIII. The first all-sky survey of Galactic cold clumps*
Planck collaboration, 204 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A23

65. *Planck early results. XXII. The submillimetre properties of a sample of Galactic cold clumps*
Planck collaboration, 203 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A22

64. *Planck early results. XXI. Properties of the interstellar medium in the Galactic plane*
Planck collaboration, 201 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A21

63. *Planck Early Results XX: New Light on Anomalous Microwave Emission from Spinning Dust Grains****
Planck collaboration, 215 authors including **Dickinson, C.** *as corresponding author****
***Corresponding author: **C. Dickinson**.
Note that all *Planck* papers are cited as *Planck* collaboration et al., where the corresponding author is the leader of the paper.
Astronomy & Astrophysics, 2011, 536, A20

62. *Planck early results. XIX. All-sky temperature and dust optical depth from Planck and IRAS. Constraints on the "dark gas" in our Galaxy*
Planck collaboration, 207 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A19

61. *Planck early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds*
Planck collaboration, 200 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A17

60. *Planck early results. XVI. The Planck view of nearby galaxies*
Planck collaboration, 194 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A16

59. *Planck early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources*
Planck collaboration, 248 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A15

58. *Planck early results. XIV. ERCSC validation and extreme radio sources*
Planck collaboration, 217 authors including **Dickinson, C.**

Astronomy & Astrophysics, 2011, 536, A14

57. *Planck early results. XIII. Statistical properties of extragalactic radio sources in the Planck Early Release Compact Source Catalogue*
Planck collaboration, 203 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A13

56. *Planck early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample*
Planck collaboration, 237 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A8

55. *Planck early results. VII. The Early Release Compact Source Catalogue*
Planck collaboration, 230 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A7

54. *Planck early results. V. The Low Frequency Instrument data processing*
Zacchei, A., 148 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A5

53. *Planck early results. III. First assessment of the Low Frequency Instrument in-flight performance*
Mennella, A., et al., 160 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A3

52. *Planck early results. I. The Planck mission*
Planck collaboration, 274 authors including **Dickinson, C.**
Astronomy & Astrophysics, 2011, 536, A1

51. *The Cosmic Background Imager 2*
Taylor, Angela C., Jones, Michael E., Allison, James R., Angelakis, Emmanouil, Bond, J. Richard, Bronfman, Leonardo, Bustos, Ricardo, Davis, Richard J., **Dickinson, Clive**, Leech, Jamie, Mason, Brian S., Myers, Steven T., Pearson, Timothy J., Readhead, Anthony C. S., Reeves, Rodrigo, Shepherd, Martin C., Sievers, Jonathan L.
Monthly Notices of the Royal Astronomical Society, 2011, 418, 2720

50. *Spitzer characterisation of dust in an anomalous emission region: the Perseus cloud*
Tibbs, C.T., Flagey, N., Paladini, R., Compiégne, M., Shenoy, S., Carey, S., Noriega-Crespo, A., **Dickinson, C.**, Ali-Haïmoud, Y., Casassus, S., Cleary, K., Davies, R.D., Davis, R.J., Hirata, C.M., Watson, R.A.
Monthly Notices of the Royal Astronomical Society, 2011, 418, 1889

49. *New constraints on the Polarization of Anomalous Microwave Emission in nearby molecular clouds*
Dickinson, C., Peel, M.W., Vidal, M.
Letters of the Monthly Notices of the Royal Astronomical Society, 2011, 418, 35

48. *Galactic foreground contributions to the WMAP5 maps*
Macellari, N., Pierpaoli, E., **Dickinson, C.**, Vaillancourt, J.
Monthly Notices of the Royal Astronomical Society, 2011, 418, 888

47. *Large-Scale Polarized Foreground Component Separation for Planck*
Armitage-Caplan, C., Dunkley, J., Eriksen, H.K., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2011, 418, 1498

46. *Radio to infrared spectra of late-type galaxies with Planck and Wilkinson Microwave Anisotropy Probe data*
Peel, M.W., **Dickinson, C.**, Davies, R.D., Clements, D.L., Beswick, R.J.
Monthly Notices of the Royal Astronomical Society: Letters, Volume 416, Issue 1, pp. L99-L103

45. *First Season QUIET Observations: Measurements of CMB Polarization Power Spectra at 43 GHz in the Multipole Range ell=25–475*
QUIET Collaboration et al., (50 authors including **Dickinson, C.**),
Astrophysical Journal, 2011, 741, 111

44. *Dust-correlated centimetre-wave radiation from the M78 reflection nebula*
Castellanos, P., Casassus, S., **Dickinson, C.**, Vidal, M., Paladini, R., Cleary, K., Davies, R.D., Davis, R.J., White, G.J., Taylor, A.
Monthly Notices of the Royal Astronomical Society, 2011, 411, 1137

43. *Galactic cold cores II. Herschel study of the extended dust emission around the first Planck detections*
Juvela, M., Ristorcelli, I., Pelkonen, V. -M., Marshall, D. J., Montier, L. A., Bernard, J. -P., Paladini, R., Lunttila, T., Abergel, A., Andre, Ph., **Dickinson, C.**, Dupac, X., Malinen, J., Martin, P., McGehee, P., Pagani, L., Ysard, N., Zavagno, A.
Astronomy & Astrophysics, 2011, 527, 111

42. *Statistical properties of polarized radio sources at high frequency and their impact on CMB polarization measurements*
Battye, R.A., Browne, I.W.A., Peel, M.W., Jackson, N.J., **Dickinson, C.**
Monthly Notices of the Royal Astronomical Society, 2011, 413, 132

41. *IR-correlated 31 GHz radio emission from Orion East*
Dickinson, C., Casassus, S., Davies, R.D., Allison, J.R., Bustos, R., Cleary, K., Davis, R.J., Jones, M.E., Pearson, T.J., Readhead, A.C.S., Reeves, R., Taylor, A.C., Tibbs, C.T., Watson, R.A.
Monthly Notices of the Royal Astronomical Society, 2010, 407, 2223.

40. *Planck pre-launch status: The Planck-LFI programme*
Mandolesi, R., et al. (133 authors including **Dickinson, C.**)
Astronomy & Astrophysics, 2010, 520, 3.

39. *The Planck Pre-Launch Status: The Planck Mission*
Tauber, J., et al. (490 authors including **Dickinson, C.**)
Astronomy & Astrophysics, 2010, 520, 1.

38. *A 33-GHz Very Small Array survey of the Galactic plane from $l = 27°$ to $46°$*
Todorovic, M., Davies, R.D., **Dickinson, C.**, Davis, R.J., Cleary, K.A., Genova-Santos, R., Grainge, K.J.B., Hafez, Y.A., Hobson, M.P., Jones, M.E., Lancaster, K., Rebolo, R., Reich,

W., Rubino-Martin, J.A., Saunders, R.D.E., Savage, R.S., Scott, P.F., Slosar, A., Taylor, A.C., Watson, R.A.
Monthly Notices of the Royal Astronomical Society, 2010, 406, 1629.

37. *Diffuse RRL emission on the Galactic Plane between l=36 to 44 degrees*
Alves, M.I.R., Davies, R.D., **Dickinson, C.**, Davis, R.J., Auld, R.R., Calabretta, M., Stavely-Smith, L.
Monthly Notices of the Royal Astronomical Society, 2010, 405, 1654.

36. *Very Small Array Observations of the Anomalous Microwave Emission in the Perseus Region*
Tibbs, C., Watson, R.A., **Dickinson, C.**, Davies, R.D., Davis, R.J., Buckmaster, S., Del Burgo, C., Franzen, T.M.O., Genova-Santos, R., Grainge, K., Hobson, M.P., Padilla-Torres, C.P., Rebolo, R., Rubino-Martin, J.A., Saunders, R.D.E., Scaife, A.M.M., Scott, P.F.
Monthly Notices of the Royal Astronomical Society, 2010, 402, 1969.

35. *Bayesian component separation and CMB estimation for the 5-year WMAP temperature data*
Dickinson, C., Eriksen, H.K., Banday, A.J., Jewell, J.B., Gorski, K.M., Huey, G., Lawrence, C.R., O'Dwyer, I.J., Wandelt, B.D.
Astrophysical Journal, 2009, 705, 1607.

34. *Cosmological Results from Five Years of 30 GHz CMB Intensity Measurements with the Cosmic Background Imager*
Sievers, J.L., Mason, B.S., Weintraub, L., Achermann, C., Altamirano, P., Bond, J.R., Bronfman, L., Bustos, R., Contaldi, C., **Dickinson, C.**, Jones, M.E., May, J., Myers, S.T., Oyarce, N., Padin, S., Pearson, T.J., Pospieszalsi, M., Readhead, A.C.S., Reeves, R., Shepherd, M.C., Taylor, A.C., Torres, S.
Astrophysical Journal, 2009, submitted (still in review process) (arXiv:0901.4540)

33. *A Limit on the Polarized Anomalous Microwave Emission of Lynds 1622*
Mason, B.S., Robishaw, T., Heiles, C., Finkbeiner, D., **Dickinson, C.**
Astrophysical Journal, 2009, 697, 1187.

32. *A refined model for spinning dust radiation*
Ali-Hamoud, Y., Hirata, C.M., **Dickinson, C.**, 2009
Monthly Notices of the Royal Astronomical Society, 2009, 395, 1055.

31. *Anomalous Microwave Emission from the HII region RCW175*
Dickinson, C., Davies, R.D., Allison, J.R., Bond, J.R., Casassus, S., Cleary, K., Davis, R.J., Jones, M.E., Mason, B.S., Myers, S.T., Pearson, T.J., Readhead, A.C.S., Sievers, J.L., Taylor, A.C., Todorovic, M. White, G.J., Wilkinson, P.N.
Astrophysical Journal, 2009, 690, L1585.

30. *Component separation methods for the PLANCK mission*
Leach, S.M., Cardoso, J.-F., Baccigalupi, C., Barreiro, R.B., Betoule, M., Bobin, J., Bonaldi, A., de Zotti, G., Delabrouille, J., **Dickinson, C.**, Eriksen, H.K., Gonzalez-Nuevo, J., Hansen, F.K., Herranz, D., Lopez-Caniego, M., Martin, M., Martinez-Gonzalez, E., Massardi, M., Miville-Deschenes, M.-A., Melin, J.-B., Patanchon, G., Prunet, S., Ricciardi, S., Salerno, E., Sanz, J.L., Starck, J.-L., Stivoli, F., Stompor, R., Stolyarov, V., Vielva, P.

Astronomy & Astrophysics, 2008, 491, 597.

29. *Radio source calibration for the VSA and other CMB experiments at around 30 GHz*
Hafez, Y.A., Davies, R.D., Davis, R.J., **Dickinson, C.**, Battistelli, E.S., Blanco, F., Cleary, K., Franzen, T., Genova-Santos, R., Grainge, K., Hobson, M.P., Jones, M.E., Lancaster, K., Lasenby, A.N., Padilla-Torres, C.P., Rubino-Martin, J.A., Rebolo, R., Saunders, R.D.E., Scott, P.F., Taylor, A.C., Titterington, D., Tucci, M., Watson, R.A.
Monthly Notices of the Royal Astronomical Society, 2008, 388, 1775.

28. *Joint Bayesian component separation and CMB power spectrum estimation*
Eriksen, H.K., Jewell, J.B., **Dickinson, C.**, Banday, A.J., Gorski, K.M., Lawrence, C.L.
Astrophysical Journal, 2008, 676, 10.

27. *The joint large-scale foreground-CMB posteriors of the 3-year WMAP data*
Eriksen, H.K., **Dickinson, C.**, Jewell, J.B., Banday, A.J., Gorski, K.M., Lawrence, C.L.
Astrophysical Journal, 2008, 672, L87.

26. *A centimetre-wave excess over free-free emission in planetary nebulae*
Casassus S., Nyman L.-A., **Dickinson C.**, Readhead A.C.S., Pearson T.J.
Monthly Notices of the Royal Astronomical Society, 2007, 382, 1607.

25. *Limits on 31GHz excess emission in southern HII regions*
Dickinson C., Davies R.D., Davis R.J., Pearson T.J., Readhead A.C.S., Casassus, S.
Monthly Notices of the Royal Astronomical Society, 2007, 379, 297.

24. *Constraints on spinning dust towards Galactic targets with the VSA: a tentative detection of excess microwave emission towards 3C396*
Scaife A., Green D.A., Battye R.A., Davies R.D., Davis R.J., **Dickinson C.**, Franzen T., Genova-Santos R., Grainge K., Hafez Y.A., Hobson M.P., Lasenby A., Pooley G.G., Rajguru N., Rebolo R., Rubino-Martin J.A., Saunders R.D.E., Scott P.F., Titterington D., Waldram E., Watson, R.A.
Monthly Notices of the Royal Astronomical Society, 2007, 377, L69.

23. *Implications of the Cosmic Background Imager Polarization Data*
Sievers J.L., Achermann C., Bond J.R., Bronfman L., Bustos R., Contaldi C.R., **Dickinson C.**, Ferreira P.G., Jones M.E., Lewis A.M., Mason B.S., May J., Myers S.T., Padin S., Pearson T.J., Pospieszalski M., Readhead A.C.S., Reeves R., Taylor A.C., Torres S.
Astrophysical Journal, 2007, 660, 976.

22. *A determination of the Spectra of Galactic components observed by WMAP*
Davies R.D., **Dickinson C.**, Banday A.J., Jaffe T.R., Gorski K.M., Davis R.J.
Monthly Notices of the Royal Astronomical Society, 2006, 370, 1125.

21. *Searching for non-Gaussianity in the Very Small Array data with the Smooth Goodness-of-fits tests*
Rubino-Martin J.A., Aliaga A.M., Barreiro R.B., Battye R.A., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Gutierrez C.M., Hafez Y.A., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A., Leahy J.P., Maisinger K., Martinez-Gonzalez E., Pooley G.G., Rajguru N., Rebolo R., Luis Sanz J., Saunders R.D.E.,

Savage R.S., Scott P., Slosar A., Taylor A.C., Titterington D., Waldram E., Watson R.A.
Monthly Notices of the Royal Astronomical Society, 2006, 369, 909.

20. *An Upper Limit on Anomalous Dust Emission at 31GHz in the diffuse cloud [LPH96]201.663+1.643*
Dickinson, C., Casassus, S., Pineda, J.L., Pearson, T.J., Readhead, A.C.S., Davies, R.D.
Astrophysical Journal, 2006, 643, L111.

19. *Cosmic Microwave Background Component Separation by Parameter Estimation*
Eriksen H.K., **Dickinson C.**, Lawrence C.R., Baccigalupi C., Banday A.J., Gorski K.M., Hansen F.K., Lilje P.B., Pierpaoli E., Seiffert M.D, Smith K.M., Vanderlinde K.
Astrophysical Journal, 2006, 641, 665.

18. *Morphological analysis of the 31 GHz continuum in the dark cloud LDN 1622*
Casassus S., Cabrera G., Forster F., Pearson T.J.,, Readhead A.C.S., **Dickinson C.**
Astrophysical Journal, 2006, 639, 951.

17. *A VSA search for the extended Sunyaev-Zel'dovich Effect in the Corona Borealis Supercluster*
Genova-Santos R., Rubino-Martin J.A., Rebolo R., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Falcon N., Grainge K., Gutierrez C.M., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Padilla-Torres C.P., Saunders R.D.E., Scott P.F., Taylor A.C., Watson R.A.
Monthly Notices of the Royal Astronomical Society, 2005, 363, 79.

16. *Cosmic Microwave Background observations from the Cosmic Background Imager and Very Small Array: A comparison of coincident maps and parameter estimation methods*
Rajguru N., Myers S.T., Battye R.A., Bond J.R., Cleary K., Contaldi C.R., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Hafez Y.A., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A., Mason B.S., Pearson T.J., Pooley G.G., Readhead A.C.S., Rebolo R., Rocha G., Rubino-Martin J.A., Saunders R.D.E., Savage R.S., Scaife A., Scott P.F., Sievers J.L., Slosar A., Taylor A.C., Titterington D., Waldram E., Watson R.A., Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2005, 363, 1125.

15. *Source subtraction for the extended Very Small Array and 33 GHz source count estimates*
Cleary K., Taylor A.C., Waldrum E., Battye R.A., **Dickinson C.**, Davies R.D., Davis R.J., Genova-Santos R., Grainge K., Jones M.E., Kneissl R., Pooley G.G., Rebolo R., Rubino-Martin J.A., Saunders R.D.E., Scott P.F., Slosar A., Titterington D., Watson R.A.
Monthly Notices of the Royal Astronomical Society, 2005, 360, 340.

14. *Polarization Observations with the Cosmic Background Imager*
Readhead A.C.S., Myers S.T., Pearson T.J., Sievers J.L., Mason B.S., Contaldi C.R., Bond J.R., Bustos R., Altamirano P., Achermann C., Bronfman L., Carlstrom J.E., Cartwright J.K., Casassus S., **Dickinson C.**, Holzapfel W.L., Kovac J.M., Leitch E.M., May J., Padin S., Pogosyan D., Pospieszalski M., Pryke C., Reeves R., Shepherd M.C., Torres S.
Science, 2004, 306, 836.

13. *High sensitivity measurements of the CMB power spectrum out to l=1600 with the Very Small Array*
Rebolo R., Battye R.A, Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rubino-Martin J.A., Rusholme B.,

Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2004, 353, 747.

12. *High sensitivity measurements of the CMB power spectrum out to l=1600 with the Very Small Array*
Dickinson C., Battye R.A, Carreira P., Cleary K., Davies R.D., Davis R.J., Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2004, 353, 732.

11. *Estimating the bispectrum of the Very Small Array data*
Smith S., Rocha G., Challinor A., Savage R., Battye R.A, Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R.S., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A.
Monthly Notices of the Royal Astronomical Society, 2004, 352, 887.

10. *Searching for non-gaussianity in VSA data*
Savage R., Battye R.A, Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2004, 349, 973.

9. *Re-appraising foreground contamination in the COBE-DMR data*
Banday A.J., **Dickinson C.**, Davies R.D., Davis R.J. & Gorski K.M.
Monthly Notices of the Royal Astronomical Society, 2003, 345, 897.

8. *Towards a free-free template for CMB foregrounds*
Dickinson, C., Davies, R.D. & Davis, R.J.
Monthly Notices of the Royal Astronomical Society, 2003, 341, 369.

7. *Cosmological parameter estimation and Bayesian model comparison using VSA data*
Slosar A., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, L29.

6. *First results from the Very Small Array – II. Observations of the CMB*
Grainge K., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Genova-Santos R., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Odman C., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Wal-

dram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, L23.

5. *The CMB power spectrum out to l=1400 measured by the VSA*
Rubino-Martin J.A., Rebolo R., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Grainge K., Gutierrez C.M., Hobson M.P., Jones M.E., Kneissl R., Lasenby A.N., Maisinger K., Odman C., Pooley G.G., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, 1084.

4. *First results from the Very Small Array – III. The CMB power spectrum*
Scott P.F., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Grainge K., Gutierrez C.M., Hobson M.P., Jones M.E., Kneissl R., Lasenby A.N., Maisinger K., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, 1076.

3. *First results from the Very Small Array – II. Observations of the CMB*
Taylor A.C., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Grainge K., Gutierrez C.M., Hobson M.P., Jones M.E., Kneissl R., Lasenby A.N., Leahy J.P., Maisinger K., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Titterington D., Waldram E., Watson R.A. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, 1066.

2. *First results from the Very Small Array – I. Observational methods*
Watson R.A., Carreira P., Cleary K., Davies R.D., Davis R.J., **Dickinson C.**, Grainge K., Gutierrez C.M., Hobson M.P., Jones M.E., Kneissl R., Lasenby A.N., Maisinger K., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterington D., Waldram E. & Wilkinson A.
Monthly Notices of the Royal Astronomical Society, 2003, 341, 1057.

1. *Deep Hα imagery of the Eridanus Shells*
Boumis P., **Dickinson, C.**, Meaburn, J., Goudis, C.D., Christopoulou, P.E., Lopez, J.A., Bryce, M. & Redman, M.P.
Monthly Notices of the Royal Astronomical Society, 2001, 320, 61.

Non-peer reviewed publications (42 total)

42. *Concept design of low frequency telescope for CMB B-mode polarization satellite LiteBIRD*
Sekimoto, Y., et al., 237 co-authors including **Dickinson, C.**
Proceedings of the SPIE, Volume 11453, id. 1145310 21 pp. (2020)

41. *Overview of the medium and high frequency telescopes of the LiteBIRD space mission*
Montier, L., et al., 237 co-authors including **Dickinson, C.**
Proceedings of the SPIE, Volume 11443, id. 114432G 21 pp. (2020)

40. *LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization*
Hazumi, M., et al., 238 co-authors including **Dickinson, C.**

Proceedings of the SPIE, Volume 11443, id. 114432F 20 pp. (2020)

39. *LiteBIRD: an all-sky cosmic microwave background probe of inflation*
Lee, A., et al., 221 co-authors including **Dickinson, C.**
Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, no. 286; Bulletin of the American Astronomical Society, Vol. 51, Issue 7, id. 286 (2019)

38. *Studying the magnetized ISM with all-sky polarimetric radio maps*
Lonsdale, Colin, Orlando, Elena, Hallinan, Gregg, Taylor, Greg, **Dickinson, Clive**
Astro2020: Decadal Survey on Astronomy and Astrophysics, science white papers, no. 465; Bulletin of the American Astronomical Society, Vol. 51, Issue 3, id. 465 (2019)

37. *Unsolved Problems in Modern Astrophysics: Anomalous Microwave Emission*
Murphy, E., et al., 14 co-authors including **Dickinson, C.**
Astro2020: Decadal Survey on Astronomy and Astrophysics, science white papers, no. 430; Bulletin of the American Astronomical Society, Vol. 51, Issue 3, id. 430 (2019)

36. *Cosmology with Phase 1 of the Square Kilometre Array; Red Book 2018: Technical specifications and performance forecasts*
Square Kilometre Array Cosmology Science Working Group, 46 authors including **Dickinson, C.**
Red Book 2018 of the Square Kilometre Array Cosmology Science Working Group (to be submitted to PASA)

35. *The QUIJOTE Experiment: Prospects for CMB B-MODE polarization detection and foregrounds characterization*
Poidevin, F., et al., including **Dickinson, C.**
Proceeding of the 13th Rencontres du Vietnam, July 9-15, 2017, ICISE, Quy Nhon, Vietnam

34. *The QUIJOTE experiment: project status and first scientific results*
Rubiño-Martín, J. A., et al., including **Dickinson, C.**
Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society held on July 18-22, 2016, in Bilbao, Spain, ISBN 978-84-617-8931-3. S. Arribas, et al. (eds.), p. 99-107

33. *Update on the BINGO 21cm intensity mapping experiment* Battye, R. A., et al., including **Dickinson, C.**
Proceedings for the conference Rencontres de Moriond 2016 on cosmology, La Thuile, Aosta Valley, Italy, March 19-26, 2016 (arXiv:1610.06826)

32. *Simulated Effects of 1/f Noise on an SKA Intensity Mapping Survey*
Harper, Stuart E., **Dickinson, Clive**, Battye, Richard, Olivari, Lucas
Proceedings for the conference Rencontres de Moriond 2016 on cosmology, La Thuile, Aosta Valley, Italy, March 19-26, 2016 (arXiv:1606.09584)

31. *CMB foregrounds - A brief review*
Dickinson, Clive
Proceedings for the conference Rencontres de Moriond 2016 on cosmology, La Thuile, Aosta Valley, Italy, March 19-26, 2016 (arXiv:1606.03606)

30. *MeerGAL: the MeerKAT Galactic Plane Survey*
Thompson, M., et al., including **Dickinson, C.**
Proceedings of MeerKAT Science: On the Pathway to the SKA. 25-27 May, 2016 Stellenbosch, South Africa (MeerKAT2016)

29. *Multi-wavelength constraints on cosmic-ray leptons in the Galaxy*
Orlando, E., Strong, A., Moskalenko, I. V., **Dickinson, C.**, Digel, S. W., Jaffe, T. R., Johannesson, G., Leahy, P., Porter, T., Vidal, M.
Proceedings of the 34th International Cosmic Ray Conference (ICRC2015). 30 July - 6 August, 2015. The Hague, The Netherlands

28. *Synchrotron radiation from molecular clouds*
Strong, A. W., **Dickinson, C.**, Murphy, E. J.
Proceedings of Conference "Cosmic Rays and their InterStellar Medium Environment", (CRISM-2014), June 24-27, 2014, Montpellier, France. PoS(CRISM2014)036

27. *The QUIJOTE experiment: project overview and first results*
Genova-Santos, R., et al., 53 authors including **Dickinson, C.**
Highlights of Spanish Astrophysics VIII, Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society held on September 8-12, 2014, in Teruel, Spain, ISBN 978-84-606-8760-3. A. J. Cenarro, F. Figueras, C. Hernández-Monteagudo, J. Trujillo Bueno, and L. Valdivielso (eds.), p. 207-212

26. *SKA studies of in-situ synchrotron radiation from molecular clouds*
Dickinson, C., R. Beck, R. Crocker, R.M. Crutcher, R.D. Davies, K. Ferriere, G. Fuller, T. Jaffe, D.I. Jones, J.P. Leahy, E.J. Murphy, M.W. Peel, E. Orlando, T. Porter, R.J. Protheroe, T. Robishaw, A.W. Strong, R.A. Watson, F. Yusef-Zadehet al.
"Advancing Astrophysics with the Square Kilometre Array", published in Proceedings of Science, PoS(AASKA14)102

25. *SKA studies of nearby galaxies: star-formation, accretion processes and molecular gas across all environments*
Beswick, R. J., Brinks, E., Perez-Torres, M. A., Richards, A. M. S., Aalto, S., Alberdi, A., Argo, M. K., van Bemmel, I., Conway, J. E., **Dickinson, C.**, Fenech, D. M., Gray, M. D., Klockner, H-R., Murphy, E. J., Muxlow, T. W. B., Peel, M., Rushton, A. P., Schinnerer, E.
"Advancing Astrophysics with the Square Kilometre Array", published in Proceedings of Science, PoS(AASKA14)070

24. *The Astrophysics of Star Formation Across Cosmic Time at ¿10 GHz with the Square Kilometre Array*
Murphy, E. J., Sargent, M. T., Beswick, R. J., **Dickinson, C.**, Heywood, I., Hunt, L. K., Hyunh, M. T., Jarvis, M., Karim, A., Krause, M.; Prandoni, I., Seymour, N., Schinnerer, E., Tabatabaei, F. S., Wagg, J.
"Advancing Astrophysics with the Square Kilometre Array", published in Proceedings of Science, PoS(AASKA14)085

23. *The ionised, radical and molecular Milky Way: spectroscopic surveys with the SKA*
Thompson, M., Beuther, H., **Dickinson, C.**, Mottram, J. C., Klaassen, P., Ginsburg, A.; Longmore, S., Remijan, A., Menten, K.

"Advancing Astrophysics with the Square Kilometre Array", published in Proceedings of Science, PoS(AASKA14)126

22. *Studies of Anomalous Microwave Emission (AME) with the SKA*
Dickinson, C., et al.
"Advancing Astrophysics with the Square Kilometre Array", published in Proceedings of Science, PoS(AASKA14)124

21. *The QUIJOTE CMB Experiment: status and first results with the multi-frequency instrument*
Lopez-Caniego, M., et al., including **Dickinson, C.**
Proceedings of the Recontres du Vietnam, "Cosmology in the Planck Era", 2013 (arXiv:1401.4690)

20. *BINGO: a single dish approach to 21cm intensity mapping*
C. Dickinson
Proceedings of the Moriond cosmology conference, March 2014 (arXiv:1405.7936)

19. *The Polarized Radiation Imaging and Spectroscopy Mission: An Extended White Paper*
PRISM Collaboration, including **Dickinson, C.**
Mission concept paper for ESA Large Mission, posted on arXiv:1310.1554.

18. *PRISM (Polarized Radiation Imaging and Spectroscopy Mission): A White Paper on the Ultimate Polarimetric Spectro-Imaging of the Microwave and Far-Infrared Sky*
PRISM Collaboration, including **Dickinson, C.**
ESA call for Large Missions, posted on arXiv:1306.2259

17. *The status of the QUIJOTE multi-frequency instrument*
Hoyland, R.J., et al., including **Dickinson, C.**
Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VI, Proceedings of the SPIE, 2012, 8452, 15

16. *The QUIJOTE-CMB experiment: studying the polarisation of the galactic and cosmological microwave emissions*
Rubino-Martin, J.-A., et al., including **Dickinson, C.**
Ground-based and air-borne telescopes IV, Proceedings of SPIE, 2012, 8444, 11

15. *Future Science Prospects for AMI*
Grainge, K., et al. (75 authors), including **Dickinson, C.**
White paper (arXiv:1208.1966)

14. *BINGO: a single dish approach to 21cm intensity mapping*
R. Battye, M. L. Brown, I. W. A. Browne, R. J. Davis, P. Dewdney, **C. Dickinson**, G. Heron, B. Maffei, A. Pourtsidou, P. N. Wilkinson
Proceedings for Moriond cosmology conference, March 2012

13. *Explanatory Supplement to the Planck Early Release Compact Source Catalogue*
Planck collaboration et al., including **Dickinson, C.**
NASA IRSA webpage: `http://irsa.ipac.caltech.edu/data/Planck/explanatory_supplement.pdf`

12. *COrE (Cosmic Origins Explorer) A White Paper*
The COrE collaboration (74 authors including **Dickinson, C.**)
White paper for ESA (arXiv:1102.2181)

11. *Polarized CMB Foregrounds: What do we know and how bad is it?*
Clive Dickinson
Proceedings for Moriond cosmology conference March 2010

10. *The C-Band All-Sky Survey: instrument design, status, and first-look data*
King, Oliver G., Copley, Charles, Davies, Rod, Davis, Richard, **Dickinson, Clive**, Hafez, Yaser A., Holler, Christian, John, Jaya John, Jonas, Justin L., Jones, Michael E., Leahy, J. Patrick, Muchovej, Stephen J. C., Pearson, Timothy J., Readhead, Anthony C. S., Stevenson, Matthew A., Taylor, Angela C.
Proceedings of SPIE, 2010, 7741, 77411I-77411I-10

9. *Study of the Experimental Probe of Inflationary Cosmology (EPIC)-Intemediate Mission for NASA's Einstein Inflation Probe*
Bock, J., et al.
NASA Mission concept report for CMBpol (arXiv:0906.1188)

8. *Prospects for polarized foreground removal*
Dunkley, J., Amblard, A., Baccigalupi, C., Betoule, M., Chuss, D., Cooray, A., Delabrouille, J., **Dickinson, C.**, Dobler, G., Dotson, J., Eriksen, H.K., Finkbeiner, D., Fixen, D., Fosalba, P., Fraisse, A., Hirata, C., Kogut, A., Kristiansen, J., Lawrence, C., Magalhaes, A.M., Miville-Deschenes, M.A., Meyer, S., Miller, ., Naess, S.K., Page, L., Peiris, H.V., Phillips, N., Pierpaoli, E., Rocha, G., Vaillancourt, J.E., Verde, L.
CMBPol Mission Concept Study, AIP Conference Proceedings, 2009, 1141, 222 (arXiv:0811.3915)

7. *Observing the Evolution of the Universe*
Aguirre, J., et al.
Science White Paper submitted to the US Astro2010 Decadal Survey, 2009 (arXiv:0903.0902)

6. *The Origin of the Universe as Revealed Through the Polarization of the Cosmic Microwave Background*
Dodelson, S., et al.
Science White Paper submitted to the US Astro2010 Decadal Survey (No. 67), 2009, (arXiv:0902.3796)

5. *Anomalous emission from HII regions*
Dickinson, C.
Proceedings of the conference "CMB Component Separation and the Physics of Foregrounds", 2008, arXiv:0808.0473

4. *Bayesian foreground analysis with CMB data*
Eriksen H.K., **Dickinson C.** et al.
New Astronomy, 2006, 50, 861.

3. *Diffuse Galactic radiation and its application to CMB observations*
Dickinson C.
Observatory, April, 2003

2. *Diffuse Galactic foregrounds for the Very Small Array at 30 GHz*
Dickinson C.
"The Cosmological Model", proceedings of Recontres de Moriond, March 2002, Les Arcs, France

1. *Very Small Array: First Results'*
Slosar A. & **Dickinson C.**
IAU Symposium 216, 2003, "Maps of the cosmos", Eds. M. Colless & L. Stavely-Smith