

**Bibliography from ADS file: braun.bib**  
September 14, 2022

- Abarr, Q., Beheshtipour, B., Beilicke, M., et al., “Performance of the X-Calibur hard X-ray polarimetry mission during its 2018/19 long-duration balloon flight”, 2022APh...14302749A ADS
- Walsh, N. E., Akaike, Y., Binns, W. R., et al., “SuperTIGER Abundances of Galactic Cosmic Rays for the Atomic Number (Z) Interval 30 to 56”, 2022iirc.confE.118W ADS
- Braun, D. C., Birch, A. C., & Fan, Y., “Erratum: “Probing the Solar Meridional Circulation Using Fourier Legendre Decomposition” (2021, ApJ, 911, 54)”, 2022ApJ...924...140B ADS
- Dikpati, M., Braun, D., Featherstone, N., et al., “Global solar flows and their impact on magnetic activity”, 2021AGUFMSH5D1872D ADS
- Braun, D. C., Birch, A. C., & Fan, Y., “Probing the Solar Meridional Circulation Using Fourier Legendre Decomposition”, 2021ApJ...911...54B ADS
- Dikpati, M., Braun, D. C., Featherstone, N. A., et al., “Global Solar Flows and Magnetic Fields: Observing, Simulating and Predicting Their Impact on the Heliosphere and Terrestrial Atmosphere”, 2020AGUFMSH0020008D ADS
- Lindsey, C., Buitrago-Casas, J. C., Martínez Oliveros, J. C., et al., “Submerged Sources of Transient Acoustic Emission from Solar Flares”, 2020ApJ...901L...9L ADS
- Schunker, H., Baumgartner, C., Birch, A. C., et al., “Average motion of emerging solar active region polarities. II. Joy’s law”, 2020A&A...640A.116S ADS
- Serrano-Enstásiga, E. & Braun, D., “Majorana representation for mixed states”, 2020PhRvA.101b2332S ADS
- Braun, D. C., Birch, A., & Fan, Y., “Probing the Variation with Depth of the Solar Meridional Circulation Using Legendre Function Decomposition”, 2020ASSP...57...125B ADS
- Birch, A. C., Schunker, H., Braun, D. C., & Gizon, L., “Average surface flows before the formation of solar active regions and their relationship to the supergranulation pattern”, 2019A&A...628A...37B ADS
- Braun, D., Birch, A. C., & Fan, Y., “Probing the Variation with Depth of the Solar Meridional Circulation using Legendre Function Decomposition”, 2019AAS...23431802B ADS
- Braun, D., “Active Region Flows and their Contribution to Varying Global Dynamics”, 2019AAS...23430210B ADS
- Schunker, H., Birch, A. C., Cameron, R. H., et al., “Average motion of emerging solar active region polarities. I. Two phases of emergence”, 2019A&A...625A...53S ADS
- Braun, D. C., “Flows around Averaged Solar Active Regions”, 2019ApJ...873...94B ADS
- DeGrave, K., Braun, D. C., Birch, A. C., Crouch, A. D., & Javornik, B., “Validating Forward Modeling and Inversions of Helioseismic Holography Measurements”, 2018ApJ...863...34D ADS
- Braun, D. C., Duvall, Thomas L., Jr., Felipe, T., & DeGrave, K., “Helioseismic Constraints on the Subsurface Flows of the Averaged Supergranule”, 2018tess.conf11506B ADS
- Braun, D. C., “Helioseismic Holography of Flows Around the Averaged Active Region”, 2018tess.conf10628B ADS
- Engebretson, M. J., Posch, J. L., Braun, D., et al., “EMIC wave events during the four QARBM challenge intervals”, 2017AGUFMSM51B2433E ADS
- Engebretson, M. J., Connors, M. G., Braun, D., et al., “Nightside High Latitude Magnetic Impulse Events”, 2017AGUFMSM31B2629E ADS
- Felipe, T., Braun, D. C., & Birch, A. C., “Helioseismic holography of simulated sunspots: dependence of the travel time on magnetic field strength and Wilson depression”, 2017A&A...604A.126F ADS
- Barnes, G., Birch, A. C., Leka, K. D., & Braun, D. C., “VizieR Online Data Catalog: Statistical analysis of solar active regions (Barnes+, 2014)”, 2017yCat...17860019B ADS
- Morasch, M., Liu, J., & Braun, D., “Thermally Driven Accumulation and Dry-Wet Cycles of Nucleotides”, 2017LPICo1967.4153M ADS
- Kühnlein, A., Mast, C. B., Benk, A., Spatz, J. P., & Braun, D., “Driving Early Biochemical Reactions by the Thermal Accumulation of ATP over ADP/AMP?”, 2017LPICo1967.4142K ADS
- Mast, C. B., Möller, F., Lanzmich, S., Keil, L., & Braun, D., “Hosting Early Evolution in Heated Pores of Rock”, 2017LPICo1967.4037M ADS
- Edeleva, E. V., Schwintek, P. J., & Braun, D., “Elucidating Signatures of the Genetic Code with Binding Assays”, 2017LPICo1967.4036E ADS
- Gilchrist, S. A., Braun, D. C., & Barnes, G., “A Fixed-point Scheme for the Numerical Construction of Magneto-hydrostatic Atmospheres in Three Dimensions”, 2016SoPh...291.3583G ADS
- Schunker, H., Braun, D. C., Birch, A. C., Burston, R. B., & Gizon, L., “SDO/HMI survey of emerging active regions for helioseismology”, 2016A&A...595A.107S ADS
- Schunker, H., Braun, D. C., & Birch, A. C., “Constraining the common properties of active region formation using the SDO/HEAR dataset”, 2016usc.confE...2S ADS
- Felipe, T., Braun, D. C., Crouch, A. D., & Birch, A. C., “Helioseismic Holography of Simulated Sunspots: Magnetic and Thermal Contributions to Travel Times”, 2016ApJ...829...67F ADS
- Birch, A. C., Schunker, H., Braun, D. C., et al., “A low upper limit on the subsurface rise speed of solar active regions”, 2016SciA...2E0557B ADS
- DeGrave, K., Braun, D., Birch, A., et al., “Forward and Inverse Modeling of Helioseismic Holography Measurements of MHD Simulations of Convection and Sunspot Flows”, 2016SPD...4720303D ADS
- Gilchrist, S., Braun, D., & Barnes, G., “Numerical construction of magneto-hydrostatic atmospheres in three dimensions”, 2016SPD...47.0706G ADS
- Braun, D. & DeGrave, K., “Helioseismic Survey of the Near-surface Flows Around the Largest Active Regions with SDO-HMI Observations”, 2016SPD...47.0702B ADS
- Braun, D., Felipe, T., Birch, A., & Crouch, A. D., “Magnetic and Thermal Contributions to Helioseismic Travel times in Simulated Sunspots”, 2016SPD...47.0701B ADS
- Braun, D. C., “A Helioseismic Survey of Near-surface Flows Around Active Regions and their Association with Flares”, 2016ApJ...819...106B ADS
- Braun, D. C., “Measurements with local helioseismology”, in Extraterrestrial Seismology, 77–90 2015exse.book...77B ADS
- Leka, K. D., Barnes, G., Braun, D. C., & Wagner, E. L., “Studies on Forecasting Solar Flares”, 2014shin.confE.171L ADS
- Braun, D., Leka, K. D., & Barnes, G., “A Helioseismic Survey to Investigate Relationships between Subsurface Flows beneath Large Active Regions and Solar Flares”, 2014AAS...22421815B ADS
- Crouch, A. D., Birch, A., Braun, D., Javornik, B., & Rempel, M. D., “Using Synthetic Data From Convection Simulations To Test Helioseismic Holography Inversions For Three-Dimensional Vector Flows”, 2014AAS...22421807C ADS
- Felipe, T., Braun, D., Crouch, A. D., & Birch, A., “Influence of Magnetic and Thermal Effects on Helioseismic Travel-time Shifts in Sunspot Models”, 2014AAS...22420206F ADS
- Braun, D., Schunker, H., & Birch, A., “A Helioseismic Survey of Emerging Active Regions Using HMI-SDO Data”, 2014AAS...22420201B ADS
- Barnes, G., Birch, A. C., Leka, K. D., & Braun, D. C., “Helioseismology of Pre-emerging Active Regions. III. Statistical Analysis”, 2014ApJ...786...19B ADS
- González Hernández, I., Díaz Alfaro, M., Jain, K., et al., “A Full-Sun Magnetic Index from Helioseismology Inferences”, 2014SoPh...289...503G ADS
- Braun, D. C., “Helioseismic Holography of an Artificial Submerged Sound Speed Perturbation and Implications for the Detection of Pre-emergence Signatures of Active Regions”, 2014SoPh...289...459B ADS
- Baker, D. N., Kanekal, S. G., Hoxie, V. C., et al., “The Relativistic Electron-Proton Telescope (REPT) Instrument on Board the Radiation Belt Storm Probes (RBSP) Spacecraft: Characterization of Earth’s Radiation Belt High-Energy Particle Populations”, 2013SSRv...179...337B ADS
- Leka, K. D., Birch, A., Barnes, G., et al., “A Search for Pre-Emergence Helioseismic Signatures of Active Regions: Study Design and some Average Results”, 2013SPD...44...91L ADS
- González Hernández, I., Lindsey, C., Braun, D. C., et al., “Far-side helioseismic maps: the next generation”, 2013JPhCS.440a2029G ADS
- Braun, D. C., “The Helioseismic Search for Emerging Flux”, 2013ens.confE...64B ADS
- Dombroski, D. E., Birch, A. C., Braun, D. C., & Hanasoge, S. M., “Testing Helioseismic-Holography Inversions for Supergranular Flows Using Synthetic Data”, 2013SoPh...282...361D ADS
- Birch, A. C., Braun, D. C., Leka, K. D., Barnes, G., & Javornik, B., “Helioseismology of Pre-emerging Active Regions. II. Average Emergence Properties”, 2013ApJ...762...131B ADS
- Leka, K. D., Barnes, G., Birch, A. C., et al., “Helioseismology of Pre-emerging Active Regions. I. Overview, Data, and Target Selection Criteria”, 2013ApJ...762...130L ADS
- Bradford, C., Hailey-Dunsheath, S., Shirokoff, E., et al., “X-Spec: A Multi-Object Wideband Survey Spectrograph for CCAT”, 2013AAS...22115009B ADS
- Felipe, T., Braun, D., Crouch, A., & Birch, A., “Scattering of the f-mode by Small Magnetic Flux Elements from Observations and Numerical Simulations”, 2012ApJ...757...148F ADS
- Barnes, G., Birch, A., Leka, K., et al., “A Search for Pre-Emergence Helioseismic Signatures of Active Regions”, 2012AAS...22020510B ADS
- Felipe, T., Braun, D. C., Crouch, A. D., & Birch, A. C., “Comparison of Numerical and Observational Scattering of the f-mode by Small Magnetic Elements”, 2012AAS...22010906F ADS
- Braun, D. C., “Comment on textquotedblleftDetection of Emerging Sunspot Regions in the Solar Interiortextquotedblright”, 2012Sci...336...296B ADS

- Braun, D. C., Birch, A. C., Rempel, M., & Duvall, T. L., “*Helioseismology of a Realistic Magnetoconvective Sunspot Simulation*”, 2012ApJ...744...77B ADS
- Rempel, M., Cheung, M., Birch, A. C., & Braun, D. C., “*Numerical simulations of the subsurface structure of sunspots*”, 2011AGUFMSH52B..02R ADS
- Felipe, T., Birch, A. C., Crouch, A. D., & Braun, D. C., “*Numerical simulations of scattering of f-modes by magnetic flux tubes*”, 2011sdmi.confE..80F ADS
- Birch, A. C., Parchevsky, K. V., Braun, D. C., & Kosovichev, A. G., “*“Hare and Hounds” Tests of Helioseismic Holography*”, 2011SoPh..272...11B ADS
- Crouch, A. D., Birch, A. C., Braun, D. C., & Clack, C. T. M., “*Helioseismic probing of the subsurface structure of sunspots*”, 2011IAUS...273...384C ADS
- Braun, D. C., Birch, A. C., Crouch, A. D., & Rempel, M., “*Towards physics-based helioseismic inversions of subsurface sunspot structure*”, 2011IAUS...273...379B ADS
- DeGrave, K., Jackiewicz, J., Braun, D., Birch, A. C., & Research Associates, N., “*F-mode Seismology Of Solar Simulations*”, 2011SPD...42.1613D ADS
- Braun, D., Birch, A., Rempel, M., Duvall, T., & J., “*Local Helioseismology of Magnetoconvective Sunspot Simulations and the Reliability of Standard Inversion Methods*”, 2011SPD...42.1607B ADS
- Crouch, A. D., Braun, D. C., Felipe, T., Birch, A. C., & Duvall, T. L., “*Local Helioseismology of Small-Scale Magnetic Elements*”, 2011SPD...42.1604C ADS
- Braun, D., Birch, A., Crouch, A., et al., “*Towards Reliable Physics-based Helioseismic Inversions of Sunspot Structure*”, 2011SPD...42.1603B ADS
- Clack, C., Crouch, A. D., Birch, A. C., & Braun, D. C., “*Helioseismic Inversions For Magnetic Field And Sound-speed Perturbations*”, 2011SPD...42.1602C ADS
- Schunker, H. & Braun, D. C., “*Newly Identified Properties of Surface Acoustic Power*”, 2011SoPh..268..349S ADS
- Braun, D. C., Birch, A. C., Crouch, A. D., & Rempel, M., “*The Need for Physics-based Inversions of Sunspot Structure and Flows*”, 2011JPhCS.271a2010B ADS
- Braun, D. C. & Wan, K., “*Properties of Near-surface Flows around Active Regions from Helioseismic Holography*”, 2011JPhCS.271a2007B ADS
- Braun, D. C., Birch, A. C., Crouch, A. D., et al., “*Sunspot Seismology with the Solar Dynamics Observatory Helioseismic and Magnetic Imager*”, 2010AGUFMSH14A..05B ADS
- Moradi, H., Baldner, C., Birch, A. C., et al., “*Modeling the Subsurface Structure of Sunspots*”, 2010SoPh..267...1M ADS
- Birch, A. C., Braun, D. C., & Fan, Y., “*An Estimate of the Detectability of Rising Flux Tubes*”, 2010ApJ...723L.190B ADS
- Gizon, L., Schunker, H., Baldner, C. S., et al., “*Erratum: Erratum to: Helioseismology of Sunspots: A Case Study of NOAA Region 9787*”, 2010SSRv..156..257G ADS
- Birch, A., Braun, D., Crouch, A., Parchevsky, K., & Kosovichev, A., “*Tests of Helioseismic Holography Sound-Speed Inversions Using Synthetic Data*”, 2010AAS...21640006B ADS
- Crouch, A. D., Birch, A., & Braun, D., “*Modeling the Sensitivity of Helioseismic Measurements to Magnetic Fields and Thermal Perturbations*”, 2010AAS...21631906C ADS
- Birch, A., Braun, D. C., Crouch, A., et al., “*Developing Physics-Based Procedures for Local Helioseismic Probing of Sunspots and Magnetic Regions*”, 2010AAS...21630805B ADS
- Braun, D. C. & Birch, A. C., “*How Much Data Do We Need to Detect the Deep Solar Meridional Circulation?*”, 2009ASPC..416..131B ADS
- González Hernández, I., Scherrer, P., Hill, F., Lindsey, C., & Braun, D., “*Improving the Prediction Capability of Seismic Far-Side Maps*”, 2009ASPC..416...87G ADS
- Jain, R., Hindman, B. W., Braun, D. C., & Birch, A. C., “*Absorption of p Modes by Magnetic Plage*”, 2009ASPC..416...55J ADS
- Braun, D. C., “*The Internal Dynamics and Magnetism of the Sun – the Perspective from Local Helioseismology (Invited)*”, 2009AGUFMSH11B..03B ADS
- Rempel, M., Birch, A. C., & Braun, D. C., “*Numerical sunspot models - subsurface structure and helioseismic forward modeling (Invited)*”, 2009AGUFMSH11B..02R ADS
- Birch, A., Braun, D. C., & Rempel, M., “*Helioseismic Inversions applied to a Realistic MHD Sunspot Simulation*”, 2009SPD...40.0713B ADS
- Leka, K. D., Dunn, T., Gonzalez-Hernandez, I., et al., “*Detecting, Selecting, And Controlling For Emerging ActiveRegions In The Search For Helioseismic Pre-emergence Signatures.*”, 2009SPD...40.0708L ADS
- Gonzalez-Hernandez, I., Scherrer, P., Lindsey, C., Hill, F., & Braun, D., “*Statistical Analysis of the Success Rate of the Far-Side Seismic Mapping of Active Regions.*”, 2009SPD...40.0707G ADS
- Birch, A., Braun, D. C., Leka, K. D., et al., “*A Search for Pre-Emergence Signatures of Active Regions*”, 2009SPD...40.0402B ADS
- Braun, D., Birch, A. C., & Rempel, M., “*Helioseismology of a Realistic MHD Sunspot Simulation*”, 2009SPD...40.0303B ADS
- Gizon, L., Schunker, H., Baldner, C. S., et al., “*Helioseismology of Sunspots: A Case Study of NOAA Region 9787*”, 2009SSRv..144..249G ADS
- Gizon, L., Schunker, H., Baldner, C. S., et al., “*Helioseismology of Sunspots: A Case Study of NOAA Region 9787*”, in M. J. Thompson, A. Balogh, J. L. Culhane, Å. Nordlund, S. K. Solanki, and J. P. Zahn (Eds.), *The Origin and Dynamics of Solar Magnetism*, Vol. 32, 249 2009odsm.book..249G ADS
- Rempel, M., Fan, Y., Birch, A., & Braun, D., “*Magnetic flux emergence on the Sun and Sun-like stars*”, 2009astro2010S..74R ADS
- Birch, A. C., Braun, D. C., Hanasoge, S. M., & Cameron, R., “*Surface-Focused Seismic Holography of Sunspots: II. Expectations from Numerical Simulations Using Sound-Speed Perturbations*”, 2009SoPh..254...17B ADS
- Braun, D. & Birch, A. C., “*Prospects for the Detection of the Deep Solar Meridional Circulation*”, 2009AAS...21349202B ADS
- Braun, D. C. & Birch, A. C., “*Prospects for the Detection of the Deep Solar Meridional Circulation*”, 2008ApJ...689L.161B ADS
- Schunker, H., Braun, D. C., Lindsey, C., & Cally, P. S., “*Physical Properties of Wave Motion in Inclined Magnetic Fields within Sunspot Penumbrae*”, 2008SoPh..251..341S ADS
- Braun, D. C. & Birch, A. C., “*Surface-Focused Seismic Holography of Sunspots: I. Observations*”, 2008SoPh..251..267B ADS
- Gonzalez Hernandez, I., Scherrer, P., Lindsey, C., Braun, D., & Hill, F., “*Combining far-side maps from MDI and GONG to improve the prediction capability*”, 2008AGUSMSP41A..04G ADS
- Braun, D. C., Birch, A. C., Benson, D., Stein, R. F., & Nordlund, Å., “*Helioseismic Holography of Simulated Solar Convection and Prospects for the Detection of Small-Scale Subsurface Flows*”, 2007ApJ...669.1395B ADS
- Braun, D., Birch, A. C., & Hanasoge, S. M., “*Sunspot Seismology: Testing Surface Effects with Numerical Simulations*”, 2007AAS...210.2206B ADS
- Braun, D., Birch, A. C., Benson, D., Stein, R. F., & Nordlund, A., “*Helioseismic Holography of Simulated Solar Convection and Prospects for the Detection of Small-Scale Subsurface Flows*”, 2007AAS...210.2201B ADS
- Schunker, H., Braun, D. C., & Cally, P. S., “*Surface magnetic field effects in local helioseismology*”, 2007AN...328..292S ADS
- Schunker, H., Braun, D. C., Cally, P. S., & Lindsey, C., “*Behaviour of Acoustic Waves in Sunspots*”, 2006ASPC..354..244S ADS
- Crouch, A. P., Cally, P. S., Charbonneau, P., Braun, D. C., & Desjardins, M., “*The Role of MHD Mode Conversion in Sunspot Seismology*”, 2006ASPC..354..161C ADS
- González Hernández, I., Hill, F., Lindsey, C., et al., “*Farside helioseismic holography: recent advances*”, 2006ESASP.624E...3G ADS
- Schunker, H., Braun, D. C., Cally, P. S., & Lindsey, C., “*The interaction between acoustic waves and inclined magnetic fields near the  $\beta 1$  layer*”, 2006IAUJD...17E..16S ADS
- Braun, D. C. & Birch, A. C., “*Observed Frequency Variations of Solar p-Mode Travel Times as Evidence for Surface Effects in Sunspot Seismology*”, 2006ApJ...647L.187B ADS
- Gonzalez-Hernandez, I., Braun, D. C., Hanasoge, S. M., et al., “*Farside Helioseismic Holography: Recent Advances*”, 2006SPD...37.0502G ADS
- Crouch, A. D., Cally, P. S., Charbonneau, P., Braun, D. C., & Desjardins, M., “*Genetic magnetohelioseismology with Hankel analysis data*”, 2005MNRAS.363.1188C ADS
- Birch, A. C. & Braun, D. C., “*Flow Inversions for Phase-Sensitive Helioseismic Holography*”, 2005AGUSMSP24A..05B ADS
- Haber, D. A., Featherstone, N. A., Braun, D. C., Hindman, B. W., & Bogart, R. S., “*Comparison of Solar Subsurface Velocities Using Small-Scale Ring Analysis, Time-Distance and Holography*”, 2005AGUSMSP24A..01H ADS
- Braun, D. C., Schunker, H., Lindsey, C., & Cally, P. S., “*Towards Assessing, Understanding, and Correcting the Influence of Surface Magnetism in Local Helioseismology*”, 2005AGUSMSP23C..03B ADS
- Leibacher, J. W., Braun, D., González Hernández, I., et al., “*The GONG Farside Project*”, 2005AGUSMSP11B..14L ADS
- Schunker, H., Braun, D. C., Cally, P. S., & Lindsey, C., “*The Local Helioseismology of Inclined Magnetic Fields and the Showerglass Effect*”, 2005ApJ...621L.149S ADS
- Lindsey, C. & Braun, D. C., “*The Acoustic Showerglass. II. Imaging Active Region Subphotospheres*”, 2005ApJ...620.1118L ADS
- Lindsey, C. & Braun, D. C., “*The Acoustic Showerglass. I. Seismic Diagnostics of Photospheric Magnetic Fields*”, 2005ApJ...620.1107L ADS
- Lindsey, C. & Braun, D. C., “*Principles of Seismic Holography for Diagnostics of the Shallow Subphotosphere*”, 2004ApJS...155..209L ADS
- Lindsey, C. & Braun, D. C., “*The Penumbra Acoustic Anomaly*”, 2004ESASP.559..552L ADS
- Braun, D. C., Birch, A. C., & Lindsey, C., “*Local Helioseismology of Near-Surface Flows*”, 2004ESASP.559..337B ADS

- Schunker, H., Braun, D. C., Lindsey, C., & Cally, P. S., "Local Helioseismology of Inclined Magnetic Fields and the Showerglass Effect", 2004ESASP.559..227S [ADS](#)
- Lindsey, C. & Braun, D. C., "The Acoustic Showerglass and Diagnostics of Active Region Subphotospheres", 2004AAS...204.5310L [ADS](#)
- Braun, D. C., Lindsey, C., & Birch, A. C., "Local Helioseismology of Solar Dynamics", 2004AAS...204.5309B [ADS](#)
- Braun, D., "Microfluidic Experiments exploring Thermal Force approaches to the Origin of Life", 2004cosp...35..781B [ADS](#)
- Malanushenko, A., Braun, D., Kholikov, S., Leibacher, J., & Lindsey, C., "Acoustic Holographic Studies of Solar Active Regions", 2004IAUS...223..283M [ADS](#)
- Cally, P. S., Crouch, A. D., & Braun, D. C., "Probing sunspot magnetic fields with p-mode absorption and phase shift data", 2003MNRAS.346..381C [ADS](#)
- Lindsey, C. & Braun, D. C., "Computational Seismic Holography of Active Region Subphotospheres", 2003SPD...34.0808L [ADS](#)
- Lindsey, C. & Braun, D. C., "The showerglass effect in seismic diagnostics of active region subphotospheres", 2003ESASP.517...23L [ADS](#)
- Braun, D. C. & Lindsey, C., "Helioseismic imaging of the farside and the interior", 2003ESASP.517...15B [ADS](#)
- Barban, C., Howe, R., Hill, F., et al., "MDI and GONG inferences of the changing solar interior", 2002ESASP.508...55B [ADS](#)
- Braun, D. C. & Lindsey, C., "The First Seismic Images of the Solar Interior and Far Side from the GONG+ Network", 2002AAS...200.8906B [ADS](#)
- Lindsey, C. & Braun, D. C., "Computational Seismic Holography of the Deep Interior and Far Surface of the Sun", 2002AAS...200.7903L [ADS](#)
- Braun, D., "Helioseismological observations of active regions", 2002ocnd.confE...3B [ADS](#)
- Braun, D. C. & Lindsey, C., "Seismic forecasting of solar activity", 2002HiA...12..378B [ADS](#)
- Braun, D. C. & Lindsey, C., "Seismic Imaging of the Far Hemisphere of the Sun", 2001ApJ...560L.189B [ADS](#)
- Lindsey, C., Harvey, K. L., Braun, D., et al.: 2001, *Helioseismic Holography and a Study of the Process of Magnetic Flux Disappearance in Canceling Bipoles*, Technical Report, SOPC-nasa-97029.f7 2001STIN...0156300L [ADS](#)
- Lindsey, C. & Braun, D. C., "Prospects for Helioseismic Holography in the Deep Solar Interior", 2001AGUSM.SP21C08L [ADS](#)
- Braun, D. C., "Progress in Helioseismic Holography", 2001AGUSM.SP21C07B [ADS](#)
- Braun, D. C. & Lindsey, C., "Seismic Holography of the Solar Interior and Far Side", 2001IAUS...203..167B [ADS](#)
- Braun, D. C. & Lindsey, C., "Seismic Imaging of the Far Side and Interior of the Sun", 2000SPD...3102112B [ADS](#)
- Lindsey, C. & Braun, D. C., "Seismic Holography of the Deep Solar Interior", 2000SPD...31.0503L [ADS](#)
- Donea, A. C., Lindsey, C., & Braun, D. C., "Stochastic Seismic Emission from Acoustic Glories and the Quiet Sun", 2000SoPh...192..321D [ADS](#)
- Braun, D. C. & Lindsey, C., "Phase-sensitive Holography of Solar Activity", 2000SoPh...192..307B [ADS](#)
- Braun, D. C. & Lindsey, C., "Helioseismic Holography of Active-Region Subphotospheres - (Invited Review)", 2000SoPh...192..285B [ADS](#)
- Lindsey, C. & Braun, D. C., "Basic Principles of Solar Acoustic Holography - (Invited Review)", 2000SoPh...192..261L [ADS](#)
- Lindsey, C. & Braun, D. C., "Seismic Images of the Far Side of the Sun", 2000Sci...287.1799L [ADS](#)
- Lindsey, C. & Braun, D. C., "Seismic Forecasting of Solar Activity", 2000IAUJD...7E...4L [ADS](#)
- Wood, S. E., Paige, D. A., Nguyen, A., et al., "The MVACS Soil Temperature Probe", 1999DPS...31.4711W [ADS](#)
- Wood, S. E., Paige, D. A., Nguyen, A., et al., "The MVACS soil temperature probe.", 1999BAAS...31.1146W [ADS](#)
- Braun, D. C. & Lindsey, C., "Phase-Sensitive Holography of Acoustic Moats", 1999AAS...194.5610B [ADS](#)
- Braun, D. C., "New Results from Helioseismic Holography", 1999AAS...194.4202B [ADS](#)
- Donea, A. C., Braun, D. C., & Lindsey, C., "Seismic Images of a Solar Flare", 1999ApJ...513L.143D [ADS](#)
- Braun, D. C. & Lindsey, C., "Helioseismic Images of an Active Region Complex", 1999ApJ...513L..79B [ADS](#)
- Lindsey, C. & Braun, D. C., "Phase-Sensitive Seismic Holography of the Photospheres and Near Subphotospheres of Active Regions", 1999soho...9E..71L [ADS](#)
- Braun, D. C. & Lindsey, C., "Seismic Imaging of Acoustic Moats around Active Regions", 1999soho...9E..46B [ADS](#)
- Braun, D. C., "Comparative Results from Seismic Imaging and Hankel Analysis", 1999soho...9E..27B [ADS](#)
- Donea, A. C., Braun, D. C., & Lindsey, C., "Seismic images of the solar flare of July 9, 1996.", 1999joso.proc...124D [ADS](#)
- Donea, A. C., Lindsey, C., & Braun, D., "Helioseismic Holography - a Technique for Understanding Solar Flares", 1999RoAJ...9S..71D [ADS](#)
- Braun, D. C. & Fan, Y., "Erratum: Helioseismic Measurements of the Subsurface Meridional Flow", 1999ApJ...510L..81B [ADS](#)
- Lindsey, C. & Braun, D. C., "Chromatic Holography of the Sunspot Acoustic Environment", 1999ApJ...510..494L [ADS](#)
- Lindsey, C. & Braun, D. C., "Acoustic Signatures of Subphotospheric Structure Underlying Sunspots", 1998ApJ...509L.129L [ADS](#)
- Braun, D. C. & Fan, Y., "Helioseismic Measurements of the Subsurface Meridional Flow", 1998ApJ...508L.105B [ADS](#)
- Braun, D. C., Lindsey, C., Fan, Y., & Fagan, M., "Seismic Holography of Solar Activity", 1998ApJ...502..968B [ADS](#)
- Lindsey, C. & Braun, D. C., "The Acoustic Moat and Thermal Transport in the Neighborhoods of Sunspots", 1998ApJ...499L..99L [ADS](#)
- Lindsey, C. & Braun, D. C., "Helioseismic Signatures of Subphotospheric Structure Beneath Active Regions", 1998ESASP.418..641L [ADS](#)
- Bogdan, T. J., Braun, D. C., Lites, B. W., & Thomas, J. H., "The Seismology of Sunspots: A Comparison of Time-Distance and Frequency-Wavenumber Methods", 1998ApJ...492..379B [ADS](#)
- Braun, D. C., "Time-Distance Sunspot Seismology with GONG Data", 1997ApJ...487..447B [ADS](#)
- Lindsey, C. & Braun, D. C., "Helioseismic Holography", 1997ApJ...485..895L [ADS](#)
- Bogdan, T. J., Braun, D. C., Lites, B. W., & Thomas, J. H., "The Seismology of Sunspots: A Comparison of Time-Distance and Frequency-Wavenumber Methods", 1997SPD...28.0210B [ADS](#)
- Lindsey, C., Braun, D. C., Jefferies, S. M., et al., "Doppler Acoustic Diagnostics of Subsurface Solar Magnetic Structure", 1996ApJ...470..636L [ADS](#)
- Lindsey, C., Braun, D., Jefferies, S., et al., "Doppler Acoustic Diagnostics of Subsurface Solar Magnetic Structure", 1996AAS...188.7903L [ADS](#)
- Braun, D. C., Fan, Y., Lindsey, C., & Jefferies, S. M., "Helioseismic Measurements of Subsurface Outflows From Sunspots", 1996AAS...188.6911B [ADS](#)
- Braun, D. C., Fan, Y., Lindsey, C., & Jefferies, S. M., "Diagnostics of a Subsurface Radial Outflow From a Sunspot", 1996astro.ph..3078B [ADS](#)
- Fan, Y., Braun, D. C., & Chou, D. Y., "Scattering of p-Modes by Sunspots. II. Calculations of Phase Shifts from a Phenomenological Model", 1995ApJ...451..877F [ADS](#)
- Braun, D. C., "Scattering of p-Modes by Sunspots. I. Observations", 1995ApJ...451..859B [ADS](#)
- Braun, D. C. & Fan, Y., "Observations and Models of p-Mode Scattering by Sunspots", 1995SPD...26..403B [ADS](#)
- Bogdan, T. J. & Braun, D. C., "Active Region Seismology", 1995ESASP.376a..31B [ADS](#)
- Braun, D. C., "Sunspot Seismology: New Observations and Prospects", 1995ASPC...76..250B [ADS](#)
- Fan, Y. & Braun, D. C., "A Model of P-mode Scattering by Sunspots", 1994AAS...185.4406F [ADS](#)
- Harrison, R. A., Carter, M. K., Clark, T. A., et al., "An active solar prominence in 1.3 mm radiation", 1993A&A...274L...9H [ADS](#)
- Lindsey, C. A., Braun, D. C., & Jefferies, S. M., "Prospects in Helioseismic Holography", 1993BAAS...25.1220L [ADS](#)
- Lindsey, C., Braun, D. C., & Jefferies, S. M., "Local Helioseismology of Subsurface Structure", 1993ASPC...42...81L [ADS](#)
- Braun, D. C., Labonte, B. J., Duvall, T. L., J., et al., "The P-Mode Scattering Properties of a Sunspot", 1993ASPC...42...77B [ADS](#)
- Clark, T. A., Naylor, D. A., Tompkins, G. J., et al., "Measurement of the Height of the Solar CO Layer During the 11 July 1991 Eclipse", 1992AAS...181.8108C [ADS](#)
- Lindsey, C., Jefferies, J. T., Clark, T. A., et al., "Extreme-infrared brightness profile of the solar chromosphere obtained during the total eclipse of 1991", 1992Natur.358..308L [ADS](#)
- Braun, D. C., Lindsey, C., Fan, Y., & Jefferies, S. M., "Local Acoustic Diagnostics of the Solar Interior", 1992ApJ...392..739B [ADS](#)
- Braun, D. C., Duvall, T. L., J., Labonte, B. J., et al., "Scattering of p-Modes by a Sunspot", 1992ApJ...391L.113B [ADS](#)
- Lindsey, C., Braun, D. C., Fan, Y., & Jefferies, S. M., "Prospects in Acoustic Holography of the Solar Interior", 1992AAS...180.1703L [ADS](#)
- Braun, D. C., Duvall, T. L., J., Labonte, B. J., et al., "Scattering of p-Modes by a Sunspot", 1992AAS...180.0604B [ADS](#)
- Chou, D. Y., Labonte, B. J., Braun, D. C., & Duvall, T. L., J., "Power Spectra of Solar Convection", 1991ApJ...372..314C [ADS](#)
- Braun, D. C. & Lindsey, C., "An Acoustic Poynting Vector for Solar p-mode Oscillations", 1991BAAS...23.1049B [ADS](#)
- Braun, D. C. & Duvall, T. L., J., "p-mode absorption in the giant active region of 10 March, 1989", 1990SoPh...129...83B [ADS](#)
- Braun, D. C., Labonte, B. J., & Duvall, T. L., J., "The Spatial Distribution of p-Mode Absorption in Active Regions", 1990ApJ...354..372B [ADS](#)

- Lindsey, C. & Braun, D. C., “*Helioseismic Imaging of Sunspots at Their Antipodes*”, 1990SoPh. .126. .101L [ADS](#)
- Lindsey, C., Kopp, G., Becklin, E. E., et al., “*Far-Infrared Intensity Variations Caused by 5 Minute Oscillations*”, 1990ApJ. . .350. .475L [ADS](#)
- Braun, D. C., Duvall, T. L., J., & Jefferies, S. M., “*Observations of p-Mode Absorption in Active Regions*”, in Y. Osaki and H. Shibahashi (Eds.), *Progress of Seismology of the Sun and Stars*, Vol. 367, 181 1990LNP. . .367. .181B [ADS](#)
- Braun, D. C. D.: 1988, “*The interaction of high-degree p-mode oscillations with solar active regions*”, *Ph.D. thesis*, University of Hawaii, Manoa 1988PhDT. . . . .201B [ADS](#)
- Braun, D. C., Duvall, T. L., J., & Labonte, B. J., “*The Absorption of High-Degree p-Mode Oscillations in and around Sunspots*”, 1988ApJ. . .335.1015B [ADS](#)
- Braun, D. C., Labonte, B. J., & Duvall, T. L., J., “*Tomography of Solar Active Regions*”, 1988BAAS. . .20. .701B [ADS](#)
- Braun, D. & Lindsey, C., “*A Solar Chromosphere and Spicule Model Based on Far-Infrared Limb Observations*”, 1987ApJ. . .320. .898B [ADS](#)
- Braun, D. C., Duvall, T. L., J., & Labonte, B. J., “*Acoustic Absorption by Sunspots*”, 1987ApJ. . .319L. .27B [ADS](#)
- Duvall, T. L., J., Harvey, J. W., Braun, D. C., Labonte, B. J., & Pomerantz, M. A., “*Sunspots as Sinks of P-Mode Wave Energy*”, 1987BAAS. . .19R.934D [ADS](#)
- Braun, D. C., Labonte, B. J., & Duvall, T. L., J., “*The Absorption of 5-Minute Oscillations by Sunspots*”, 1987BAAS. . .19. .936B [ADS](#)
- Holt, R., Fortune, N., Braun, D., & Mullan, D., “*Observations of the Ca II K spectral line in He 10830 Å dark points.*”, 1985BAAS. . .17. .760H [ADS](#)
- Braun, D. C. & Labonte, B. J., “*The Solar Irradiance From January to February, 1981*”, 1985BAAS. . .17. .756B [ADS](#)
- Holt, R., Fortune, N., Braun, D., & Mullan, D., “*Observations of the Ca II K spectral line in He 10830 Å dark points.*”, 1985BAAS. . .17. .933H [ADS](#)
- McCarthy, D., Low, F., Kleinmann, S., Lippincott, S. L., & Braun, D., “*Planet Size Stars or Star Size Planets*”, 1983S&T. . . . .66. .114M [ADS](#)
- Lippincott, S. L., Braun, D., & McCarthy, D. W., J., “*Astrometric and infrared speckle analysis of the visually unresolved binary BD +41 328.*”, 1983PASP. . .95. .271L [ADS](#)