

Curriculum Vitae

Charles Allan Lindsey

NWRA
3380 Mitchell Lane
Boulder, Colorado 80305
clindsey@cora.nwra.com

Born:

18 April 1947, Nashville, Tennessee

Education:

B.A., 1969, University of California, San Diego
Ph.D., 1975, University of California, San Diego

Appointments:

Assistant Astronomer, Institute for Astronomy, University of Hawaii, 1977–1984
Associate Astronomer, Institute for Astronomy, University of Hawaii, 1984–1991
Astronomer, Solar Physics Research Corp., 1991–2002
Research Scientist, NWRA, 2002–2004
Senior Research Scientist, NWRA, 2004–present

Professional Associations:

American Astronomical Society (Solar Physics Division)
International Astronomical Union
Boulder Solar Alliance

Scientific/Technical/Management Performance on Prior Research Efforts:

Principal Investigator in several programs in local helioseismology involving international collaboration.
Participation in supervision of thesis work by graduate students at Monash University (Australia).
Participation on Organizing Committee of *Boulder Solar Day*.
Member of Scientific Organizing Committees of Coral Sea Conference, Palm Bay, Australia November 2012; NSO Workshop 27, Tucson, May 2013; Leverhulme Flare Seismology Workshop, London, England September 2013.

Selected Publications:

- Liewer, P. C., Qiu, J. & Lindsey, C. 2017 “Comparison of Helioseismic Far-Side Active Region Detections with STEREO Far-Side EUV Observations of Solar Activity,” *Solar Phys.* in press (arXiv:1709.07801).
- Judge, P. G., Paraschiv, A., Lacatus, Donea, A.-C. & Lindsey, C. 2017 “Are All Flare Ribbons Simply Connected to the Corona?” *Ap. J.* **838**, 138.
- Lindsey, C. & Braun, D. C. 2017 “Seismic Imaging of the Sun’s Far Hemisphere and Its Applications in Space Weather Forecasting,” *Space Weather* **14**, 761–781.
- Lindsey, C. & Donea, A.-C. 2017 “What Can He II 304 Å Tell Us about Transient Seismic Emission from Flares?” *IAUS* **327**, 113.
- Buitrago-Casas, J. C., Martínez Oliveros, J. C., Lindsey, C., Calvo-Mozo, B., Krucker, S., Glesener, L. & Zharkov, S. 2015 “A Statistical Correlation of Sunquakes Based on Their Seismic and White-Light Emission,” *Solar Phys.* **290**, 315.
- MacDonald, G. A., Henney, C. J., Díaz Alfaro, M., González Hernández, I., Arge, C. N., Lindsey, C. & McAteer, R. t. J. 2015 “Active Region Morphologies Selected from Near-Side Helioseismic Data,” *Ap. J.* **807**, 21.
- Lindsey, C., Donea, A.-C., Martínez Oliveros & Hudson 2014 “The Role of Magnetic Fields in Transient Seismic Emission Driven by Atmospheric Heating in Flares,” *Solar Phys.* **289**, 1457.
- Lindsey, C. & Donea, A.-C. 2013 “Statistics of Local Seismic Emission from the Solar Granulation,” *Journal of Physics: Conference Series* **440**, 2044.
- Alvarado Gómez, J. D., Buitrago Casas, J. C., Martínez Oliveros, J. C., Lindsey, C. & Hudson, H. 2013 “Magneto-Acoustic Energetics Study of the Seismically Active Flare of 15 February 2011,” *Solar Phys.* **280**, 335.
- Lindsey, C., Braun, D. C., González Hernández, I. & Donea, A.-C. 2011 “Computational Holography of Acoustic Waves in the Solar Interior,” in *Holography InTech*, Ed. F. A. M. Ramirez, <http://www.intechopen.com/articles/show/title/computational-seismic-holography-of-acoustic-waves-in-the-solar-interior>.
- Lindsey, C., Cally, P. S. & Rempel, M. 2010 “Seismic Discrimination of Thermal and Magnetic Anomalies in Sunspot Umbrae,” *Ap. J.* **719**, 1144.
- Lindsey, C. & Donea, A.-C. 2008 “Mechanics of Seismic Emission from Solar Flares,” *Solar Phys.* **251**, 627.
- Schunker, H., Braun, D. C., Lindsey, C. & Cally, P. S. 2008 “Physical Properties of Wave Motion in Inclined Magnetic Fields Within Sunspot Penumbrae,” *Solar Phys.* **251**, 341.
- Lindsey, C., Schunker, H., & Cally, P. S. 2007 “Magnetoseismic Signatures of Flows Beneath Active Regions,” *AN* **328**, 298.
- Lindsey, C. and Braun, D. C. 2004 “Principles of Seismic Holography for Diagnostics of the Shallow Subphotosphere,” *Ap. J. Supp.* **155**, S209.