

Erratum to: Helioseismology of Sunspots: A Case Study of NOAA Region 9787

L. Gizon · H. Schunker · C.S. Baldner · S. Basu · A.C. Birch · R.S. Bogart ·
D.C. Braun · R. Cameron · T.L. Duvall Jr. · S.M. Hanasoge · J. Jackiewicz · M. Roth ·
T. Stahn · M.J. Thompson · S. Zharkov

Published online: 1 September 2010
© Springer Science+Business Media B.V. 2010

Erratum to: Space Sci Rev DOI [10.1007/s11214-008-9466-5](https://doi.org/10.1007/s11214-008-9466-5)

In the paper by Gizon et al. (*Space Science Reviews* **144**, 249–273, 2009) on p. 271 one curve in Fig. 18 is incorrect. Here we show the correct fractional wave-speed perturbation

The online version of the original article can be found under doi:[10.1007/s11214-008-9466-5](https://doi.org/10.1007/s11214-008-9466-5).

L. Gizon (✉) · H. Schunker · R. Cameron · S.M. Hanasoge · T. Stahn
Max-Planck-Institut für Sonnensystemforschung, 37191 Katlenburg-Lindau, Germany
e-mail: gizon@mps.mpg.de

C.S. Baldner · S. Basu
Department of Astronomy, Yale University, PO Box 208101, New Haven, CT 06520, USA

A.C. Birch · D.C. Braun
Colorado Research Associates, NWRA, 3380 Mitchell Lane, Boulder, CO 80301-5410, USA

R.S. Bogart
Hansen Experimental Physics Laboratory, Stanford University, Stanford, CA 94305, USA

T.L. Duvall Jr.
Laboratory for Solar Physics, NASA/GSFC, Greenbelt, MD 20771, USA

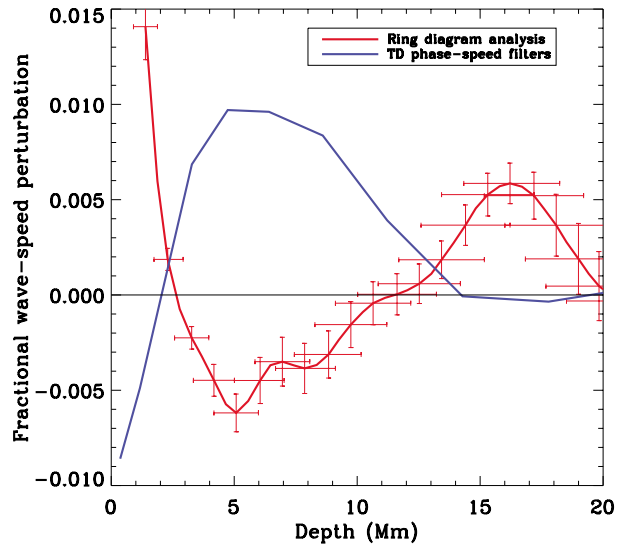
J. Jackiewicz
New Mexico State University, Las Cruces, NM 88003, USA

M. Roth
Kiepenheuer-Institut für Sonnenphysik, Schöneckstraße 6, 79104 Freiburg, Germany

M.J. Thompson
High Altitude Observatory, NCAR, Boulder, CO 80307-3000, USA

S. Zharkov
Mullard Space Science Laboratory, Dorking, Surrey RH5 6NT, UK

Fig. 1 Inferred fractional wave-speed perturbations below the sunspot in AR 9787. The red curve with formal error bars is the ring-diagram result. The solid blue curve shows the time-distance result (using phase-speed filters) averaged over the area used for ring-diagram analysis. See the original paper for a description of the methods of analysis



(with respect to quiet Sun) inferred under the sunspot in active region NOAA 9787 using ring-diagram analysis for the period 21–27 January 2002. The data in the original paper were taken from the wrong Carrington rotation (CR 1986 instead of CR 1985). The conclusion of the original paper is unchanged: the ring-diagram and time-distance analyses of NOAA 9787 are starkly inconsistent.