

DAVID D. JACKSON
Department of Earth and Space Sciences,
University of California,
Los Angeles, CA 90095-1567

PROFESSIONAL EMPLOYMENT

Professor of Geophysics, UCLA 1981 - present

EDUCATION

Ph.D, Department of Earth and Planetary Science, MIT 1969
B.S., Department of Physics, California Institute of Technology 1965

AWARDS AND HONORS

National Academy of Sciences/Natural Research Council,
Senior Resident Research Associateship, 1981-1982
Elected to Steering Committee, University NAVSTAR
Consortium (UNAVCO) 1987, 1988, 1989, 1990, 1991, 1992
Elected Secretary, Seismology Section, American Geophysical Union 1989
Elected President, Seismology Section, American Geophysical Union 1991
Fellow, American Geophysical Union 1993
Elected Chair, US Nat. Comm. for Internat. Un. Geod. & Geophysics 1999-2003
Elected Secretary, USNC/IUGG 2003-2007
Elected to Finance Committee, IUGG 2003-2007
Appointed Chair, Dept. Earth and Space Sciences, UCLA 2004-2007

SERVICE

California Earthquake Prediction Evaluation Council, Office of
Emergency Services, State of California 1984-2002
Committee on Seismology, National Academy of Sciences,
National Research Council.
Panel on Crustal Movement Measurements, Committee on Geology,
National Academy of Sciences/National Research Council
Panel on Science of Earthquakes, NAS/NRC 1996-2003
Chair, Committee on Public Affairs, AGU 1996-1998
Science Director, Southern California Earthquake Center 1996-1999
U. S. National Committee for IUGG 1995-2007

- 001) **D.D. Jackson:** "Comparison of Wiener and Maximum Likelihood Multi-Channel Filtering", Texas Instruments Co., (1965) INTERNAL PUBLICATION
- 002) F. Press and **D. Jackson:** "Alaskan Earthquake, 27 March 1964: Vertical Extent of Faulting and Elastic Strain Energy Release", Science, v.147, p.109, 3 pages (1965) RESEARCH ARTICLE
- 003) **D.D. Jackson:** "An Elastic Relaxation Model for Seismic Wave Attenuation in the Earth", Phys. Earth Planet. Int., v.2, p.30, 5 pages (1969) RESEARCH ARTICLE
- 004) **D.D. Jackson:** "Grain Boundary Relaxation and the Attenuation of Seismic Waves", Ph.D. Thesis, Dept. Earth and Planetary Science, M.I.T., 136 pages (1969) PH.D. THESIS
- 005) **D.D. Jackson** and D.L. Anderson: "Physical Mechanisms of Seismic-Wave Attenuation", Rev. Geophys. & Space Phys., v.8:1, p.1, 63 pages (1970) RESEARCH ARTICLE
- 006) L. Knopoff and **D. Jackson:** "Some Basic Relationships in Seismicity Statistics", (1970) RESEARCH ARTICLE
- 007) **D.D. Jackson:** "The Attenuation of Love Waves and Toroidal Oscillations of the Earth", Geophys. J. R. Astron. Soc., v.25, p.25, 10 pages (1971) RESEARCH ARTICLE
- 008) **D.D. Jackson:** "Attenuation of Seismic Waves by Grain Boundary Relaxation (anelastic earth model/frequency-dependent shear velocity)", Proc. Nat. Acad. Sci., USA, v.68:7, p.1577, 3 pages (1971) RESEARCH ARTICLE
- 009) **D.D. Jackson:** "Interpretation of Inaccurate, Insufficient and Inconsistent Data", Geophys. J. R. Astron. Soc., v.28, p.97, 13 pages (1972) RESEARCH ARTICLE
- 010) I. Knopoff and **D.D. Jackson:** "The Analysis of Underdetermined and Overdetermined Systems", Dynamic Response of Structures, G. Hermann and N. Peronne (eds.), Pergamon Press, p.289, 17 pages (1972) CHAPTER IN EDITED BOOK
- 011) L. Knopoff, R. Mitchel and **D.D. Jackson:** "A Stochastic Analysis of a Model Earthquake Sequence", Geophys. J. R. Astron. Soc., v.29, p.255, 7 pages (1972) RESEARCH ARTICLE
- 012) **D.D. Jackson:** "Marginal Solutions to Quasi-Linear Inverse Problems in Geophysics: The Edgohog Method", Geophys. J. R. Astron. Soc., v.35, p.121, 16 pages (1973) RESEARCH ARTICLE
- 013) B. Raleigh, **D. Jackson**, J. Whitcomb, T. Hanks, S. Biehler, R. Kovach and S. Wang: "California Universities Earthquake Program: Workshop on Earthquake Prediction", sponsored by IGPP, UCLA, W.F. Libby, Director, July 23-August 1, 1973, 28 pages (1973) RESEARCH ARTICLE: PROC. CONF.
- 014) B.L. Horning, R.L. McPherron and **D.D. Jackson:** "Application of Linear Inverse Theory to a Line Current Model of Substorm Current Systems", J. Geophys. Res., v.79:34, p.5202, 9 pages (1974) RESEARCH ARTICLE
- 015) D.T. Griggs, **D.D. Jackson**, L. Knopoff and R.L. Shreve: "Earthquake Prediction: Modeling the Anomalous Vp/Vs Source Region", Science, v.187, p.537, 4 pages (1975) RESEARCH ARTICLE
- 016) N. Burkhard and **D.D. Jackson:** "Extremal Inversion of Lunar Travel Time Data", Proc. Lunar Sci. Conf., v.6, p.2881, 5 pages (1975) RESEARCH ARTICLE
- 017) **D.D. Jackson:** "Most Squares Inversion", J. Geophys. Res., v.81:5, p.1027, 4 RESEARCH ARTICLE

pages (1975)

- 018) N. Burkhard and **D.D. Jackson**: "Application of Stabilized Linear Inverse Theory to Gravity Data", J. Geophys. Res., v.81:8, p.1513, 6 pages (1976) RESEARCH ARTICLE
- 019) N. Burkhard and **D.D. Jackson**: "Density and Surface Wave Inversion", Geophys. Res. Lett., v.3:11, p.637, 2 pages (1976) RESEARCH ARTICLE
- 020) **D.D. Jackson** and N. Burkhard: "Analysis of Errors in Regional and Local Gravity Surveys", 11th Symp. Mathemat. Geophysics, Zeeheim, W. Germany, August 18-27, (1976) RESEARCH ARTICLE
- 021) **D.D. Jackson**: "Earthquake Risks in Southern California", Town Hall Reporter, November, p.14, 2 pages (1976) LECTURE
- 022) J.B. Rundle and **D.D. Jackson**: "A Viscoelastic Relaxation Model for Post-Seismic Deformation from the San Francisco Earthquake of 1906", Pageoph, v.115, p.401, 11 pages (1977) RESEARCH ARTICLE
- 023) J.B. Rundle and **D.D. Jackson**: "A Three-Dimensional Viscoelastic Model of a Strike Slip Fault", Geophys. J. Royal Astron. Soc., v.49, p.575, 17 pages (1977) RESEARCH ARTICLE
- 024) J.B. Rundle and **D.D. Jackson**: "A Kinematic Viscoelastic Model of the San Francisco Earthquake of 1906", Geophys. J. Royal Astron. Soc., v.50, p.441, 18 pages (1977) RESEARCH ARTICLE
- 025) J.B. Rundle and **D.D. Jackson**: "Numerical Simulation of Earthquake Sequences", Bull. Seis. Soc. Amer., v.67:5, p.1363, 15 pages (1977) RESEARCH ARTICLE
- 026) K.A. Poehls and **D.D. Jackson**: "Tectonomagnetic Event Detection using Empirical Transfer Functions", J. Geophys. Res., v.83:B10, p.4933, 8 pages (1978) RESEARCH ARTICLE
- 027) C. Searls, K.A. Poehls, **D.D. Jackson** and E.M. Wescott: "Changes in Crustal Resistivity near Palmdale, California", Geophys. Res. Lett., v.5:11, p.928, 3 pages (1978) RESEARCH ARTICLE
- 028) **D.D. Jackson**: "Linear Inverse Theory with A Priori Data", Lecture Notes in Physics, 85, Applied Inverse Problems&D, ed: P.C. Sabatier [Spring-Verlag, New York p.83, 20 pages (1978) CHAPTER IN EDITED BOOK
- 029) R.A. Ergas and **D.D. Jackson**: "Inversion of Local Earthquake Arrival Times for Horizontal Velocity Structure", 12th Intl. Symp. Mathematl. Geophys., Caracas, Venezuela, August 1978, (1978) RESEARCH ARTICLE
- 030) **D.D. Jackson**: "The Use of A Priori Data to Resolve Non-Uniqueness in Linear Inversion", Geophys. J. Royal Astron. Soc., v.57, p.137, 21 pages (1979) RESEARCH ARTICLE
- 031) **D.D. Jackson** and R.A. Ergas: "Statistical Aanalysis of Travel-Time Anomalies", Phys. Earth Planet. Int., v.18, p.303, 6 pages (1979) RESEARCH ARTICLE
- 032) **D.D. Jackson**: "Interpretation of Geophysical Data for Earthquake Prediction", Summ. Tech. Reports, v.Natl. Earthquake Hazards Reduction, p.253, page 2 (1979) REPORT
- 033) **D.D. Jackson**, C.A. Searls and R.L. McPherron: "Magnetometer Array 1978", Summ. Tech. Reports, v.Vol. VIII: Natl. Earthquake Hazards Reduction, p.334, 3 page (1979) REPORT

- 034) **D.D. Jackson**: "Magnetometer Array", Summ. Tech. Reports, v.V. VIII: Natl. Earthquake Hazards Reduction., p.335, 3 pages (1979) REPORT
- 035) **D.D. Jackson**: "Interpretation of Geophysical Data Premonitory of Earthquakes", Summ. Tech Reports, v.V. III: Natl. Earthquake Hazards Reduction., p.262, 4 pages (1979) REPORT
- 036) C.A. Searls, R.L. McPherron, **D.D. Jackson** and P.J. Coleman: "Total Field Measurements on the San Andreas Fault near Gorman, California", Proc. Conf. VII: Stress & Strain Measurements re Earthquake Prediction, v.U.S.G.S. Open File Report 79-370, p.103, 25 pages (1979) REPORT
- 037) **D.D. Jackson** and A.K. Mal: "Seismic Hazard Potential of Proposed Water-Flooding Operations in the Torrence Oilfield Area", Assoc. Sci. Advisors, v.1 P.O. Box 24-B-73, Los Angeles 90024], Rept. No. 393, (1979) RESEARCH ARTICLE
- 038) P.J. Davis, **D.D. Jackson** and M.J.S. Johnston: "Further Evidence of Localized Geomagnetic Field Changes before the 1974 Thanksgiving Day Earthquake, Hollister, California", Geophys. Res. Lett., v.7:7, p.513, 4 pages (1980) RESEARCH ARTICLE
- 039) **D.D. Jackson** : "Interpretation of Geophysical Data Premonitory of Earthquakes", USGS Open File Report 80-6, p.234, 5 pages (1980) RESEARCH REPORT
- 040) **D.D. Jackson**: "Magnetometer Array at Liebre Mountain", USGS Open File Report 80-6, p.328, 4 pages (1980) RESEARCH REPORT
- 041) **D.D. Jackson**, W.B. Lee and P.M. Davis: "Interpretation of Geophysical Data Premonitory of Earthquakes", USGS Open File Report, v.80-842, p.487, 4 pages (1980) RESEARCH ARTICLE
- 042) **D.D. Jackson** and R.L. McPherron: "Magnetometer Array", USGS Open File Report, v.80-842, p.371, 4 pages (1980) RESEARCH ARTICLE
- 043) **D.D. Jackson**, W.B. Lee and C.C. Liu: "Aseismic Uplift in Southern California: An Alternate Interpretation", Science, v.210, p.534, 3 pages (1981) RESEARCH ARTICLE
- 044) P.M. Davis, **D.D. Jackson**, C.S. Searls and R.L. McPherron: "Detection of Tectonomagnetic Events using Multi-Channel Prediction Filtering", J. Geophys. Res., v.86:B3, p.1731, 7 pages (1981) RESEARCH ARTICLE
- 045) **D.D. Jackson**: "3. Measurements of Deformation near Active Plate Boundaries", Geodetic Monitoring of Tectonic Deformation--Toward a Strategy &D[Panel on Crustal Movement Measurements/Comm. on Geodesy-Seism., Assemb. Math. Phys. Sci: NRC, Washington, D.C., p.25, 25 pages (1981) CHAPTER IN EDITED BOOK
- 046) **D.D. Jackson**, W.B. Lee and C-C. Liu: "Height Dependent Errors in Southern California Leveling", Earthquake Prediction--An International Review Maurice Ewing Series 4 &D[American Geophysical U., p.457, 16 pages (1981) [was WIP #004] RESEARCH ARTICLE
- 047) R.A. Ergas and **D.D. Jackson**: "Spatial Variation of Crustal Seismic Velocities in Southern California", Bull. Seis. Soc. Amer., v.71:3, p.671, 19 pages (1981) [was WIP #003] RESEARCH ARTICLE
- 048) **D.D. Jackson** and C-C. Liu: "Height Dependent Errors in Southern California Leveling Data", Proc. Intl. Symp. Geodetic Networks and Computations &D[Intl. Assoc. Geodesy, Munich, August 31, 1981, p.299, 9 pages (1982) RESEARCH ARTICLE

- 049) **D.D. Jackson**, P.M. Davis and W.B. Lee: "Interpretation of Data, 8-0001-19246", U.S.G.S. Open File Report, v.82-65, p.252, 3 pages (1982) RESEARCH ARTICLE
- 050) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, 14-08-0001-18364", USGS Open File Report, v.82-65, p.255, 2 pages (1982) RESEARCH ARTICLE
- 051) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, 14-08-0001-19254", U.S.G.S. Open File Report, v.82-65, p.257, 3 pages (1982) RESEARCH REPORT
- 052) **D.D. Jackson** and R.L. McPherron: "Magnetometer Array, 8-0001-17688", U.S.G.S. Open File Report, v.82-65, p.330, 2 pages (1982) RESEARCH REPORT
- 053) **D.D. Jackson**, P.M. Davis and W.B. Lee: "Intrepretation of Data, 8-0001-17687", U.S.G.S. Open File Report, v.82-65, p.249, 3 pages (1982) RESEARCH REPORT
- 054) **D.D. Jackson**, A. Cheng and C-C. Liu: "Tectonic Motions and Systematic Errors in Leveling and Trilateration Data for California", Tectonophysics, v.97, p.73, 11 pages (1983) RESEARCH ARTICLE
- 055) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, 14-08-0001-19254", USGS Open File Report, v.83-90, p.271, 3 pages (1983) RESEARCH REPORT
- 056) **D.D. Jackson**: "Interpretation of Data, 14-08-0001-19246", USGS Open File Report, v.83-90, p.352, 4 pages (1983) RESEARCH REPORT
- 057) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, 23 Mar 83", Final Technical Report, USGS Contract 14-08-0001-19254, 35 pages (1983) RESEARCH REPORT
- 058) **D.D. Jackson**: "Interpretation of Data, 14-08-0001-21243", USGS Open File Report, v.83-918, 2 pages (1983) RESEARCH REPORT
- 059) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, 14-08-0001-21237", USGS Open File Report, v.83-918, 4 pages (1983) RESEARCH REPORT
- 060) F. Wyatt, R. Bilham, J. Beavan, A.G. Sylvester, T. Owen, A. Harvey, C. Macdonald, **D.D. Jackson** and D.C. Agnew: "Comparing Tiltmeters for Crustal Deformation Measurement - A Preliminary Report", Geophy. Res. Letts., v.11, p.963, 4 pages (1984) RESEARCH ARTICLE
- 061) C. Macdonald, **D.D. Jackson** and P.M. Davis: "Nonlinear Seismic Inversion", Expanded Abstracts with Biographies, 1984 Technical Program: 54th Annual International SEG Meeting, Dec., 1984, Atlanta, Georgia & [Society of Exploration Geophysicists] & @, p.655, 3 pages (1984) RESEARCH ARTICLE
- 062) **D.D. Jackson** and M. Rogers: "Tilt at Pinon Flat, California", USGS Summary for Southern California Data Review, v.14-08-0001-21237, 3 pages (1984) RESEARCH ARTICLE
- 063) **D.D. Jackson**: "Crustal Deformation Observatory, Part A, September 20, 1984", Annual Technical Report for 1983, USGS, v.14-08-0001-21237, 6 pages (1984) RESEARCH REPORT
- 064) **D.D. Jackson**: "Interpretation of Data, 1 April 1984", Final Technical Report for USGS Contract, v.USDI 14-08-0001-19246, 26 pages (1984) RESEARCH REPORT
- 065) **D.D. Jackson**: "Tectonic Deformation in California", v. Annual Technical Report for 1983, p.1, 21 pages (1984) RESEARCH REPORT
- 066) **D.D. Jackson**: "Tectonic Deformation in California", NASA Contract 5-26895, v. Final Technical Report, 42 pages (1984) RESEARCH REPORT

- 067) **D.D. Jackson** and M. Rogers: "Crustal Deformation Observatory", Summary of Annual Technical Report, v.USGS Contract 14-08-0001-21237, 4 pages (1984) RESEARCH REPORT
- 068) L-Y. Sung and **D.D. Jackson**: "Three-Dimensional Adjustment of Trilateration Data", Geophys. Res. Lett., v.12, p.25, 4 pages (1985) RESEARCH ARTICLE
- 069) **D.D. Jackson** and M. Matsu'ura: "A Bayesian Approach to Nonlinear Inversion", J. Geophys. Res., v.90, p.581, 11 pages (1985) [was WIP #001, 002, and 006] RESEARCH ARTICLE
- 070) **D.D. Jackson** and M. Rogers: "Crustal Deformation Observatory, 14-08-0001-21237", USGS Open File Report, v.85-22, 2 pages (1985) RESEARCH REPORT
- 071) **D.D. Jackson** and M. Rogers: "Tilt at Pinon Flat, California", USGS Open File Report, 85-474, v.372, 4 pages (1985) RESEARCH REPORT
- 072) M. Matsu'ura, **D.D. Jackson** and A. Cheng: "Dislocation Model for Aseismic Crustal Deformation at Hollister, California", J. Geophys. Res., v.91:B12, p.12661, 14 pages (1986) [was WIP #005] RESEARCH ARTICLE
- 073) C. Macdonald, P.M. Davis and **D.D. Jackson**: "Inversion of Reflection Data", Seismic Acoustics Laboratory Annual Progress Review, v.17, p.165, 36 pages (1986) RESEARCH ARTICLE
- 074) **D.D. Jackson** and G.P. Bird: "Research Relative to Tectonic Deformation in California", Report to NASA, NAG 5-447, 5 pages (1986) RESEARCH REPORT
- 075) **D.D. Jackson**: "Tectonic Interpretation of Leveling Data in Southern California", Final Technical Report, USGS Contract USDI 14-08-0001-21243, 12 pages (1986) RESEARCH REPORT
- 076) **D.D. Jackson**: "Crustal Deformation Observatory, September 3, 1986", Final Technical Report, USGS Contract 14-08-0001-21237, 10 pages (1986) RESEARCH REPORT
- 077) A. Cheng, **D.D. Jackson** and M. Matsu'ura: "Aseismic Crustal Deformation in the Transverse Ranges of Southern California", Tectonophysics, v.144, p.159, 21 pages (1987) [was WIP #007, and 011] RESEARCH ARTICLE
- 078) C. Macdonald, P.M. Davis and **D.D. Jackson**: "Inversion of Reflection Travel Times and Amplitudes", Geophysics, v.52:5, p.606, 11 pages (1987) [was WIP #008] RESEARCH ARTICLE
- 079) **D.D. Jackson**: "Plausibility Criteria for Intermediate Term Earthquake Prediction", Physical and Observational Basis for Intermediate Term Earthquake Prediction, U.S. Geological Survey Open-File Report 87-591, p.682, 7 pages (1987) CHAPTER IN EDITED BOOK
- 080) **D.D. Jackson**: "Summary of Session on Hydrology and Geochemistry", Physical and Observational Basis for Intermediate-term, Earthquake Prediction, U.S. Geological Survey Open-File Report 87-591, p.334, 3 pages (1987) REVIEW ARTICLE
- 081) L-Y. Sung and **D.D. Jackson**: "Geodetic Evidence of the Seismic Potential at Parkfield, California", Geophys. Res. Lett., v.15:8, p.820, 4 pages (1988) RESEARCH ARTICLE
- 082) D. Agnew, Y. Bock, B.Hager, **D. Jackson**, T. Jordan and R. King: "GPS Measurements in Central and Southern California", CSTG Bulletin #10, GPS Projects for Geodesy and Geodynamics, International Coordination of Space Techniques for Geodesy and Geodynamics, Committee on Space Techniques in Geodesy, International Association of Geodesy, Int. Union Geodesy and Geophysics, p.71, 16 pages (1988) RESEARCH ARTICLE

- 083) C. Agnew, Y. Bock, T.H. Jordan, R.W. King, B.H. Hager and **D.D. Jackson**: "GPS Measurements in Central and Southern California", Interim Progress Report, NSF Grant EAR 86-18393, 11 pages (1988) RESEARCH ARTICLE
- 084) L.-Y. Sung and **D.D. Jackson**: "Reply (to 'Comment on: Geotectonic Evidence for Seismic Potential at Parkfield, California, by L.-Y. Sung and **D.D. Jackson**', P. Segall and R.A. Harris)", Geophys. Res. Lett., v.16, p.105, 3 pages (1989) RESEARCH ARTICLE
- 085) S-B. Yu, **D.D. Jackson**, G-K. Yu and C-C Liu: "Dislocation Model for Crustal Deformation in the Longitudinal Valley Area, Eastern Taiwan", Tectonophysics, v.183, p.97, 13 pages (1990) [was WIP #009] RESEARCH ARTICLE
- 086) P.M. Davis, D.D. Jackson and Y.Y. Kagan: "The Longer It Has Been Since the Last Earthquake, The Longer the Expected Time Till the Next?", Bull. Seis. Soc. Amer., v.79, p.1439-1456, 18 pages (1989) [was WIP #010] RESEARCH ARTICLE
- 087) Y.Y. Kagan and **D.D. Jackson**: "Long-Term Earthquake Clustering", Geophys. J. Int., v.104, p.117-133, 17 pages (1991) RESEARCH ARTICLE
- 088) L.M. Jones, K.E. Sieh, D. Agnew, C. Allen, R. Bilham, M. Ghilarducci, B. Hager, E. Hauksson, K. Hudnut, **D. Jackson**, A. Sylvester, K. Aki and F. Wyatt.: "Short-Term Earthquake Hazard Assessment for the Southern San Andreas Fault, Southern California", U.S. Dept. Interior, U.S. Geol. Survey, v.Open-File Report 91-032, p.1-66, 65 pages (1990) REPORT
- 089) Y.Y. Kagan and **D.D. Jackson**: "Seismic Gap Hypothesis: Ten Years After", J. Geophys. Res., v.96, p.21,419-21,429, 11 pages (1991) RESEARCH ARTICLE
- 090) Sung, L.Y., and **D.D. Jackson**: "Crustal and Uppermost Mantle Structure Under Southern California", Bull. Seis. Soc. Amer., v.82, p.934-961, 27 pages (1992) [was WIP #013] RESEARCH ARTICLE
- 091) Working Group on the Probabilities of Future Large Earthquakes in Southern California: "Future Seismic Hazards in Southern California", Phase I- Implications of the 1992 Landers Earthquake Sequence, 42 pages (1992) REPORT
- 092) S.P. Nishenko, L.R. Sykes, **D.D. Jackson** and Y. Kagan: "Seismic Gap Hypothesis: Ten Years After", J. Geophys. Res., v.98, p.9909-9920, 12 pages (1993) [was WIP #018] DISCUSSION and REPLY
- 093) Z.-K. Shen and **D.D. Jackson**: "Global Positioning System Reoccupation of Early Triangulation Sites: Tectonic Deformation of the Southern Coast Ranges", J. Geophys. Res., v.98, p.9931-9946, 19 pages (1993) [was WIP #012] RESEARCH ARTICLE
- 094) M. Hasimoto and **D.D. Jackson**: "Plate Tectonics and Crustal Deformation Around the Japanese Islands", J. Geophys. Res., v.98, p.16,149-16,166, 18 pages (1993) [was WIP #014] RESEARCH ARTICLE
- 095) K.L. Feigl, D.C. Agnew, Y. Bock, D. Dong, A. Donnellan, B.H. Hager, T.A. Herring, **D.D. Jackson**, R.H. Jordan, R.W. King, S. Larsen, K.M. Larson, M. Murray, Z.-K. Shen and F.H. Webb: "Space Geodetic Measurement of Crustal Deformation in Central and Southern California", J. Geophys. Res., v.98, p.21,677-21,712, 36 pages (1993) [was WIP #017] RESEARCH ARTICLE
- 096) Z.-K. Shen, **D.D. Jackson**, Y. Feng and Y. Bock : "Postseismic Deformation Following the Landers Earthquake, California, 28 June 1992", Bull. Seis. Soc. Amer., v.84, p.780-791, 12 pages (1994) RESEARCH ARTICLE

- 097) **D.D. Jackson**, K. Aki, T. Henyey, C.A. Cornell, J. Dieterich, M. Madhyiar, D. Schwartz and S. Ward: "Seismic Hazards in Southern California: Probable Earthquakes, 1991-2004", &D&@&Din&@ Proceedings of the 9'th Joint Meeting of the United States-Japan National Resources Panel on Earthquake Prediction Technology, v.9, p.333-391, 59 pages (1994) RESEARCH ARTICLE
- 098) Y.Y. Kagan and **D.D. Jackson**: "Long-Term Probabilistic Forecasting of Earthquakes", J. Geophys. Res., v.99, p.13685-13700, 15 pages (1994) [incorporated WIP #016 and 019] RESEARCH ARTICLE
- 099) T. Henyey, **D. Jackson**, A. Donnellan and J. Scheid: "Application of the Global Positioning System to Earthquake Hazard Assessment in Southern California", Proceedings of the Joint Meeting of the U.J.N.R. Panel on Earthquake Prediction Technology, v.9, no. 20, p.507-515, 9 pages (1994) RESEARCH ARTICLE
- 100) K.W. Hudnut, Y. Bock, M. Cline, P. Fang, Y. Feng, J. Freymueller, X. Ge, W.K. Gross, **D. Jackson**, M. Kim, N.E. King, J. Langbein, S.C. Larsen, M. Lisowski, Z.-K. Shen, J. Svarc, and J. Zhang: "Co-Seismic Displacements of the 1992 Landers Earthquake Sequence", Bull. of the Seis. Soc. of Amer., v.84, no. 3, p.625-645, 20 pages (1994) RESEARCH ARTICLE
- 101) Y.Y. Kagan and **D.D. Jackson**: "New Seismic Gap Hypothesis: Five Years After ", J. Geophys. Res., v.100, p.3943-3960, 17 pages (1995) RESEARCH ARTICLE
- 102) **D.D. Jackson**, K. Aki, C.A. Cornell, J.H. Dieterich, T.L. Henyey, M. Mahdyiar, D. Schwartz, S.N. Ward: "Seismic Hazards in Southern California: Probable Earthquakes", Bull. Seis. Soc. Amer., v.85, p.379-439, 60 pages (1995) RESEARCH ARTICLE
- 103) **D.D. Jackson**: "The Case for Huge Earthquakes", Seis.Res. Letts., v.67, no.1, p.3-5, 3 pages (1996) OPINION
- 104) Z.-K. Shen, B.X. Ge, **D.D. Jackson**, D. Potter, M. Cline and L.Y. Sung: "Northridge Earthquake Rupture Models Based on the Global Positioning System Measurements", Bull. Seis. Soc. Amer., v.86, p.S37-S48, 11 pages (1996) RESEARCH ARTICLE
- 105) David **D. Jackson**: "Earthquake Prediction Evaluation Standards Applied to the VAN Method", Geophys. Res. Lett., v.23, p.1363-1370, 7 pages (1996) DISCUSSION and REPLY
- 106) Richard A. Snay, M.W. Cline, C.R. Philipp, **D.D. Jackson**, Y. Feng, Z.-K. Shen and M.Lisowski: "Crustal Velocity Field Near the Big Bend of California's San Andreas Fault", J. Geophys. Res., v.101, p.3173-3185, 12 pages (1996) [Incorporate WIP# 106] RESEARCH ARTICLE
- 107) Y.Y. Kagan and **D.D. Jackson**: "Statistical Tests of VAN Earthquake Predictions: Comments and Reflections", Geophys. Res. Lett., v.23, p.1433-1440, 7 pages (1996) DISCUSSION and REPLY
- 108) David **D. Jackson**: "Hypothesis Testing and Earthquake Prediction", Proc. Natl. Acad. Sci., v.93, p.3772-3775, 3 pages (1996) RESEARCH ARTICLE
- 109) A. Gabrielov, Vladimir Keilis-Borok and David **D. Jackson**: "Geometric Incompatibility in a Fault System", Prod. Natl. Acad. Sci. USA, v.93, p.3838-3842, 5 pages (1996) RESEARCH ARTICLE
- 110) Z.-K. Shen, **D.D. Jackson**, B.-X. Ge: "Crustal Deformation Across and Beyond the Los Angeles Basin from Geodetic Measurements", J. Geophys. Res. - Solid Earth, v.101, no.NB12, p.27957-27980, 23 pages (1996) RESEARCH ARTICLE

- 111) R.J. Geller, **D.D. Jackson**, Y.Y. Kagan, F. Mulargia: "Geoscience - Earthquakes Cannot be Predicted", Science, v.275, no.N5306, p.1616-1617, 2 pages (1997) RESEARCH ARTICLE
- 112) **D.D. Jackson**, Z.-K. Shen, D. Potter, X.-B. Ge; L. Y. Sung: "Southern California Deformation", Science, v.275, no.N5332, p.1621-1622, 2 pages (1997) RESEARCH ARTICLE
- 113) Y. Bock, S. Wdowinski, P. Fang, J. Zhang, S. Williams, H. Johnson, J. Behr, J. Genrich, J. Dean, M. van Domselaar, D. Agnew, F. Wyatt, K. Stak, B. Oral, K. Hudnut, R. King, T. Herring, S. Dinardo, W. Young, **D.D. Jackson**, W. Burtner: "Southern California Permanent GPS Geodetic Array; Continuous Measurements of Regional Crustal Deformation Between the 1992 Landers and 1994 Northridge Earthquakes", J. Geophys. Res. - Solid Earth, v.102, no.B8, p.18,013-18,033, 21 pages (1997) RESEARCH ARTICLE
- 114) Z.-K. Shen, D. Dong, T. Herring, K. Hudnut, **D.D. Jackson**, R. King, S. McClusky, and L.-Y. Sung: "Crustal Deformation Measured in Southern California", EOS, Trans. Am. Geophys. Union, v.78, no.43, p.477 and 482, 2 pages (1997) RESEARCH ARTICLE
- 115) Jackson, D. D., and Y. Y. Kagan, "VAN method lacks validity, in Great Debates in Seismology," EOS, Trans. Am. Geophys. Union, v. 79, no. 47, page 573, 7 pages, (1998). RESEARCH ARTICLE
- 115a) **Translated in to Japanese "Chishitsu News" (1998)* OPINION
D.D. Jackson: "The Case for Huge Earthquakes", Seis.Res. Letts., v.67, no.1, p.3-5, 3 pages (*originally published in English-1996*)
- 116) Kagan, Y.Y., and **D.D. Jackson**, "Spatial aftershock distribution: Effect of normal stress," J. Geophys. Res., v. 103, page 24,453, 14 pages, (1998) RESEARCH ARTICLE
- 117) Field, E. H., **D.D. Jackson**, and J. F. Dolan, "A mutually consistent seismic-hazard source model for southern California," Bull. Seis. Soc. Amer., v. 89, no. 3, p. 559, 19 pages (1999) RESEARCH ARTICLE
- 118) **D.D. Jackson** and Y.Y. Kagan: "Testable earthquake forecasts for 1999", Seis. Res. Letters, v.70, no.4, p. 393-403, 11 pages (1999) (*was WIP # 20*) RESEARCH ARTICLE
- 119) Y.Y. Kagan, and **D.D. Jackson**: "Worldwide doublets of large shallow earthquakes", Bull. Seis. Soc. Amer. v.85, no.9, (1999) RESEARCH ARTICLE
-
- PROFESSOR-IA/S**
- 120) E.H. Field, J. G. Anderson, T. L. Henyey, **D. D. Jackson**, W. B. Joyner, Y. Lee, H. Magistrale, B. Minster, K. B. Olsen, J. H. Steidl, L. A. Wald, and C. J. Wills: "Accounting for site effects in probabilistic seismic hazard analyses of southern California: Overview of the SCEC Phase III Report", Bull. Seis. Soc. Amer., v.90, p.S1 - S31 32 pages (2000) RESEARCH ARTICLE
- 121) Y.Y. Kagan, and **D. D. Jackson**: "Probabilistic forecasting of earthquakes", Geophys. J. Int., v.143, p.438-453, 16 pages (2000). RESEARCH ARTICLE
- 122) M. Hashimoto, S. Miyazaki, **D.D. Jackson**: "A block-fault model for deformation of the Japanese Islands derived from continuous GPS observation", Earth Planets Space, v.52 (11): 1095-1100 (2000) [*was WIP #122*] RESEARCH ARTICLE
- 123) Z.K. Shen, C. K. Zhao, A. Yin, Y. Li, **D.D. Jackson**, P. Fang, and D. Dong: "Contemporary crustal deformation in East Asia constrained by Global Positioning System measurements", J. Geophys. Res., v.105, p.5721-5734, 14 pages (2000). RESEARCH ARTICLE

- 124) Z.-K. Shen, M. Wang, Y. Li, **D.D. Jackson**, A. Yin, D. Dong, and P. Fang: "Crustal deformation along the Altyn Tagh fault system, western China, from GPS". J. Geophys. Res., v.106, p.30607-30621, 15 pages (2001) RESEARCH ARTICLE
- 125) Y.-F. Rong, **D.D. Jackson**: "Earthquake potential in and around China: Estimated from past earthquakes", Geophys. Res. Ltrs., v.29, Issue 16, p.27-1 to 27-4, CiteID 1780, DOI 10.1029/2002GL015297 (2002) 4 pages RESEARCH ARTICLE
- 126) **D.D. Jackson** and P. Patrick Leahy: "Introduction to the special issue on the sustainability of Earth resources - The role of the geosciences in the evolution toward a globally sustainable society", Intern. Geology Rev., v.11, no.12, p.1069-1071 (2002) 3 pages RESEARCH ARTICLE
- 127) P. Bird, Y.Y. Kagan, and **D.D. Jackson**: "Plate tectonics and earthquake potential of spreading ridges and oceanic transform faults", in "Plate Boundary Zones", editors: Seth Stein and Jeffrey T. Freymueller, AGU, Geodynamics Series, v.30, Chapter 14, p. 203-218 (2002) 16 pages REVIEWED BOOK CHAPTER
- 128) Y. Rong, **D.D. Jackson**, and Y.Y. Kagan: "Seismic gaps and earthquakes", J. of Geophys. Res., v.108, no.B10, p.6-1 thru 6-14, 2471, doi:10.1029/2002JB-002334 (2003) 15 pages RESEARCH ARTICLE
- 129) Y. Rong, **D.D. Jackson** and Y.Y. Kagan: "Probabilistic forecasting of seismicity", in "Earthquake science and seismic risk reduction". editors: Francesco Mulargia and Robert J. Geller, Nato Science Services: IV, Earth and Environmental Sciences, v.32, (2003)s REVIEWED BOOK CHAPTER
- 130) **D.D. Jackson** and U.S. committee on The Science of Earthquakes, et al: "Living on an active Earth" – "Perspectives on earthquakes science", National Research Council of the National Academies Press, p.1-418 (2003) REVIEWED BOOK
- 131) **D.D. Jackson**: "Earthquake prediction and forecasting" in "State of the planet: frontiers and challenges", a Project of the International Union of Geodesy and Geophysics (2004). RESEARCH ARTICLE
- 132) D. Schorlemmer, S. Wiemer, M. Wyss, and **D.D. Jackson**, "Earthquake statistics at Parkfield: 2. Probabilistic forecasting and testing, J. Geophys. Res. Solid Earth 109 (B12): Art. No. B12308 (2004). RESEARCH ARTICLE
- 133) Y.Y. Kagan, **D. D. Jackson**, and Z. Liu. Stress and earthquakes in southern California, 1850-2004, J. Geophys. Res., 110(5), B05S14, pp. 1-13, doi:10.1029/2004JB003313,. (2005). RESEARCH ARTICLE
- 134) A. Helmstetter., Y. Y. Kagan, and **D. D. Jackson**. Importance of small earthquakes for stress transfers and earthquake triggering, J. Geophys. Res., 110(5), pp. 1-13, B05S08, doi:10.1029/2004JB003286,. (2005) RESEARCH ARTICLE
- 135) Y.Y. Kagan and **D. D. Jackson**, 2006. Comment on "Testing earthquake prediction methods: "The West Pacific short-term forecast of earthquakes with magnitude $M_w \geq 5.8$ " by V. G. Kossobokov, Tectonophysics, 413, iss. 1-2 [SPECIAL ISSUE], pp. 33-48. RESEARCH ARTICLE
- 136) D. Schorlemmer, **D.D. Jackson**, and M. Gerstenberger: "Earthquake likelihood model testing", Bull. Seis. Soc. Amer., IN PREP RESEARCH ARTICLE
- 137) Helmstetter, A., Y. Y. Kagan, and D. D. Jackson, 2006. Comparison of short-term and time-independent earthquake forecast models for southern California, RESEARCH ARTICLE

Bull. Seismol. Soc. Amer., 76(1), 90-106.