

Contents

- 1339 Preface: Monitoring the Comprehensive Nuclear-Test-Ban Treaty
B. J. Mitchell

- 1341 Introduction
M. H. Ritzwoller, A. L. Levshin

Surface Wave Tomography: Methods and Results

- 1351 A Fast and Reliable Method for Surface Wave Tomography
M. P. Barmin, M. H. Ritzwoller, A. L. Levshin
- 1377 Global Models of Surface Wave Group Velocity
E. W. F. Larson, G. Ekström
- 1401 Optimization of Cell Parameterizations for Tomographic Inverse Problems
W. Spakman, H. Bijwaard
- 1425 Surface Wave Velocities Across Arabia
T. A. Mokhtar, C. J. Ammon, R. B. Herrmann, H. A. A. Ghalib
- 1445 A Surface Wave Dispersion Study of the Middle East and North Africa for Monitoring the Comprehensive Nuclear-Test-Ban Treaty
M. E. Pasyanos, W. R. Walter, S. E. Hazler
- 1475 One-dimensional Shear Velocity Structure of Northern Africa from Rayleigh Wave Group Velocity Dispersion
S. E. Hazler, A. F. Sheehan, D. E. McNamara, W. R. Walter

Surface Wave Identification, Measurement, and Source Characterizations

- 1497 Isotropic and Nonisotropic Components of Earthquakes and Nuclear Explosions on the Lop Nor Test Site, China
B. G. Bukchin, A. Z. Mostinsky, A. A. Egorkin, A. L. Levshin, M. H. Ritzwoller
- 1517 Theoretical and Observed Depth Correction for M_s
M. Herak, G. F. Panza, G. Costa

- 1531 Automated Detection, Extraction, and Measurement of Regional Surface Waves
A. L. Levshin, M. H. Ritzwoller
- 1547 Optimization of Surface Wave Identification and Measurement
J. L. Stevens, K. L. McLaughlin