

Secondary seismic Signals and their Interpretation

HORST NEUNHÖFER & ALBRECHT ZIEGERT

Abstract

The main object of seismic stations is recording earthquakes. Besides signals from other sources were recorded. Three sorts of it are discussed. First of all, there are quarry blasts. Such ones are taken into consideration which are ignited near MOX and a second nearby station. One result is a model of the Earth's crust beneath MOX. Furthermore, rock bursts are investigated in detail which are initiated by the mining near the town Sondershausen in Thuringia. They initiate a clear wave group of reflected Rayleigh waves. Two regions are found where probably reflection took place. Finally, it is shown how meteors are recorded at seismic stations. The nature of its origination and the kind of interpretation are discussed.