

Polarization anomalies of Rayleigh waves recorded at SPANET stations

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Polarization anomalies of Rayleigh waves running through Pacific Ocean recorded at SPANET station are investigated, and the effects of plumes on the polarizations are discussed. Multi-taper Polarization Analysis is applied. Surface waves from the 4 August 1998 off coast of Ecuador earthquake recorded at NIUE run through southern Pacific, and no trench exists along the path. The path of Rayleigh wave deviated from great circle path to south. The path could be effected by the plume or hotspots located in southern Pacific.