Surface wave velocities from broadband OBS array observation in relation to the crustal structure in Ontong Java Plateau

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Surface waves of teleseismic events were observed by a broadband OBS array in Ontong Java Plateau. The array was consisted of 5 broad band OBS developed at ORI and deployed for several weeks in February of 1998. As well as the broadband OBS array, short period OBSs were used to resolve the crustal structure down the array using airguns. Both Love and Rayleigh waves were separated from the surface waves records and the phase velocities of these were compared to the crustal structure derived from the airgun - OBS experiment.