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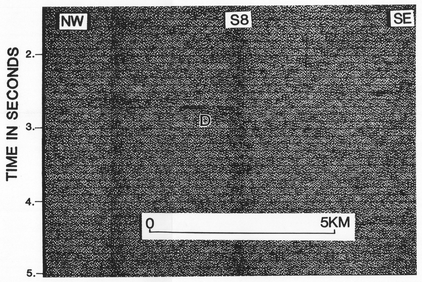
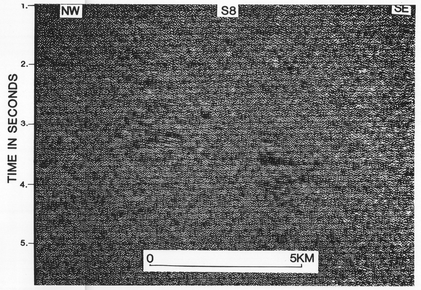
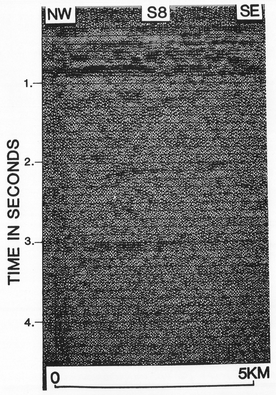


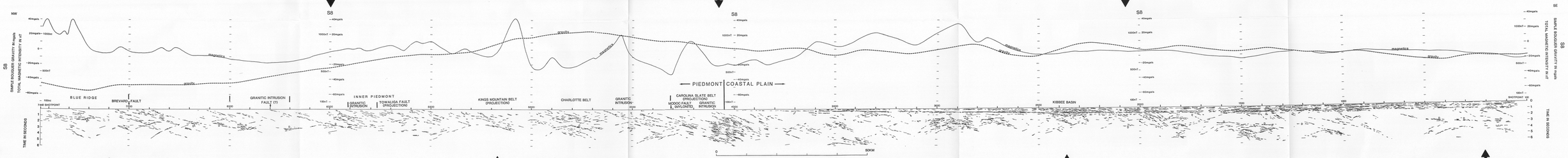
Example from seismic record section showing reflection (D) from Appalachian décollement.



Example from seismic record section crossing the Carolina slate belt, showing reflections and diffractions.

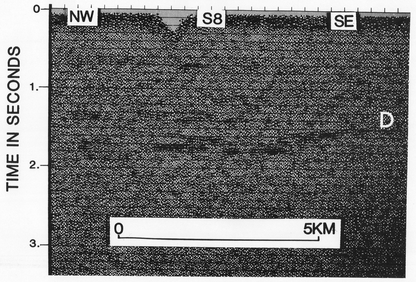


Example from seismic record section crossing Coastal Plain. Reflection at 0.8 s is J, from pre-Cretaceous unconformity. Reflection at about 3.0 s is possibly from Charleston décollement.

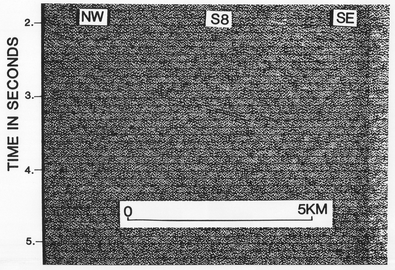


Note: Arrows extending from examples of record sections to the line interpretation are meant to show generally the areas which the sections represent.

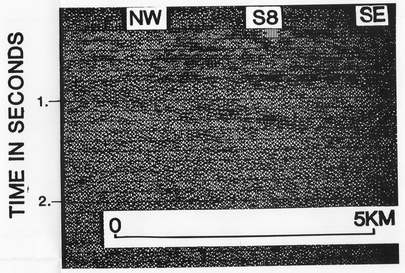
Line-drawing interpretation of seismic record sections for reflection profile S8 (see map); data given in same format as for S4. D indicates reflections from Appalachian décollement, in northwestern part of profile. Note earlier reflection time to D (for example, near the Brevard fault), compared with S6. D arrivals near southeast end of the profile are probably from Charleston décollement and probably are not continuous with Appalachian décollement.



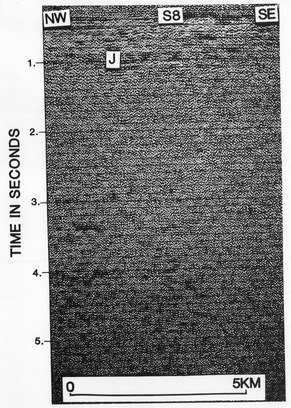
Example from seismic record section showing reflection (D) from Appalachian décollement.



Example from seismic record section of reflection interpreted as having as its source a southeast-dipping fault. The weak arrival would migrate up dip to left in section.



Example from seismic record section crossing Coastal Plain over Kibbee basin. Reflection at about 0.8 s is J, from pre-Cretaceous unconformity.



Example from seismic record section crossing Coastal Plain. Reflection at 0.8 s is J, from pre-Cretaceous unconformity. Reflection at about 2.9 s is possibly from Charleston décollement.

INTERPRETATIONS FROM MULTICHANNEL SEISMIC-REFLECTION PROFILES OF THE DEEP CRUST CROSSING SOUTH CAROLINA AND GEORGIA FROM THE APPALACHIAN MOUNTAINS TO THE ATLANTIC COAST

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1985

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—REPRINTED 1985

For sale by Branch of Distribution, U.S. Geological Survey,
Box 25286, Federal Center, Denver, CO 80225