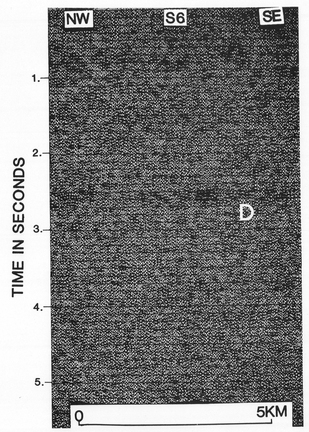
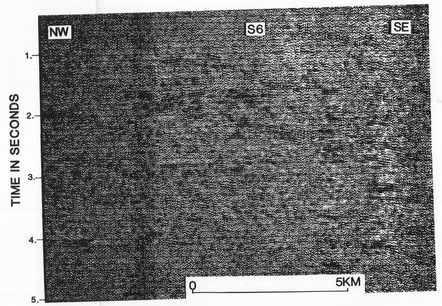
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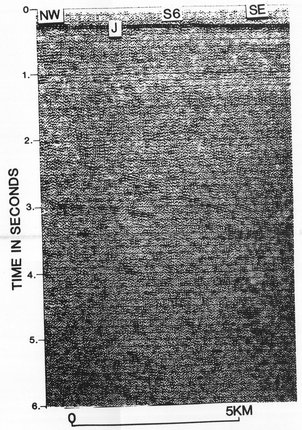
MISCELLANEOUS FIELD STUDIES
MAP MF-1656
SHEET 2 OF 3



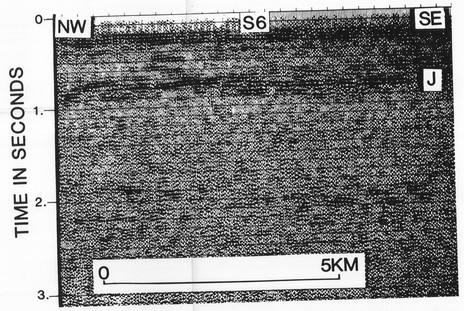
Example from seismic record section showing reflection (D) inferred to be from Appalachian décollement.



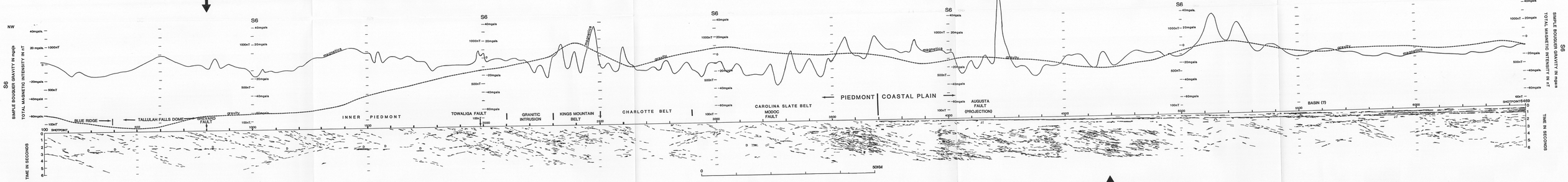
Example from the seismic record section crossing the Carolina slate belt, showing reflections and diffractions.



Example from seismic record section crossing Coastal Plain, showing J reflection from pre-Cretaceous unconformity, a southeast dipping reflection that is probably from a fault zone, and other reflections and diffractions.

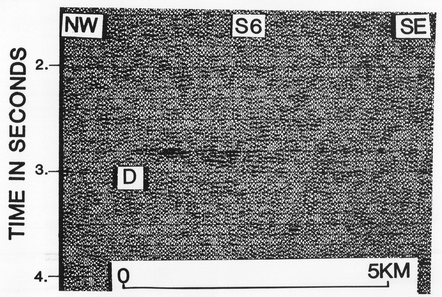


Example from seismic record section crossing the basin (?) (probably the Riddleville basin) visible beneath J reflection from pre-Cretaceous unconformity. Riddleville basin was observed in Georgia COCORP line and discussed by Peterson and others (1984).

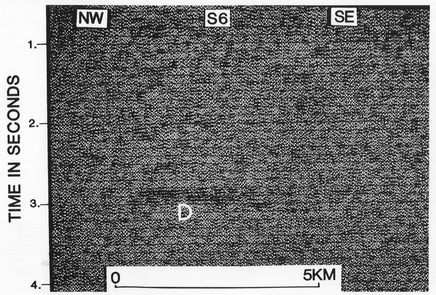


Line-drawing interpretation of seismic record section for reflection profile S6 (see map); data given in same format as S4 profile. Compare S4 and S8; note similar features described for S4. Several examples from record section are shown here. D is reflection from surface interpreted as a décollement.

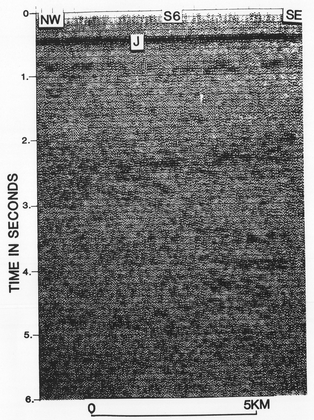
Note: Arrows extending from examples of record sections to the line interpretation are meant to show generally the areas which the sections represent.



Example from seismic record section showing the reflection (D) inferred to be from Appalachian décollement.



Example from seismic record section showing the reflection (D) inferred to be from Appalachian décollement.



Example from seismic record section crossing Coastal Plain, showing J reflection from pre-Cretaceous unconformity and other reflections deeper than the unconformity (some from southeast-dipping faults) and diffractions. Arrival about 0.8 s is probably multiple reflection from J interface.

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

By
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