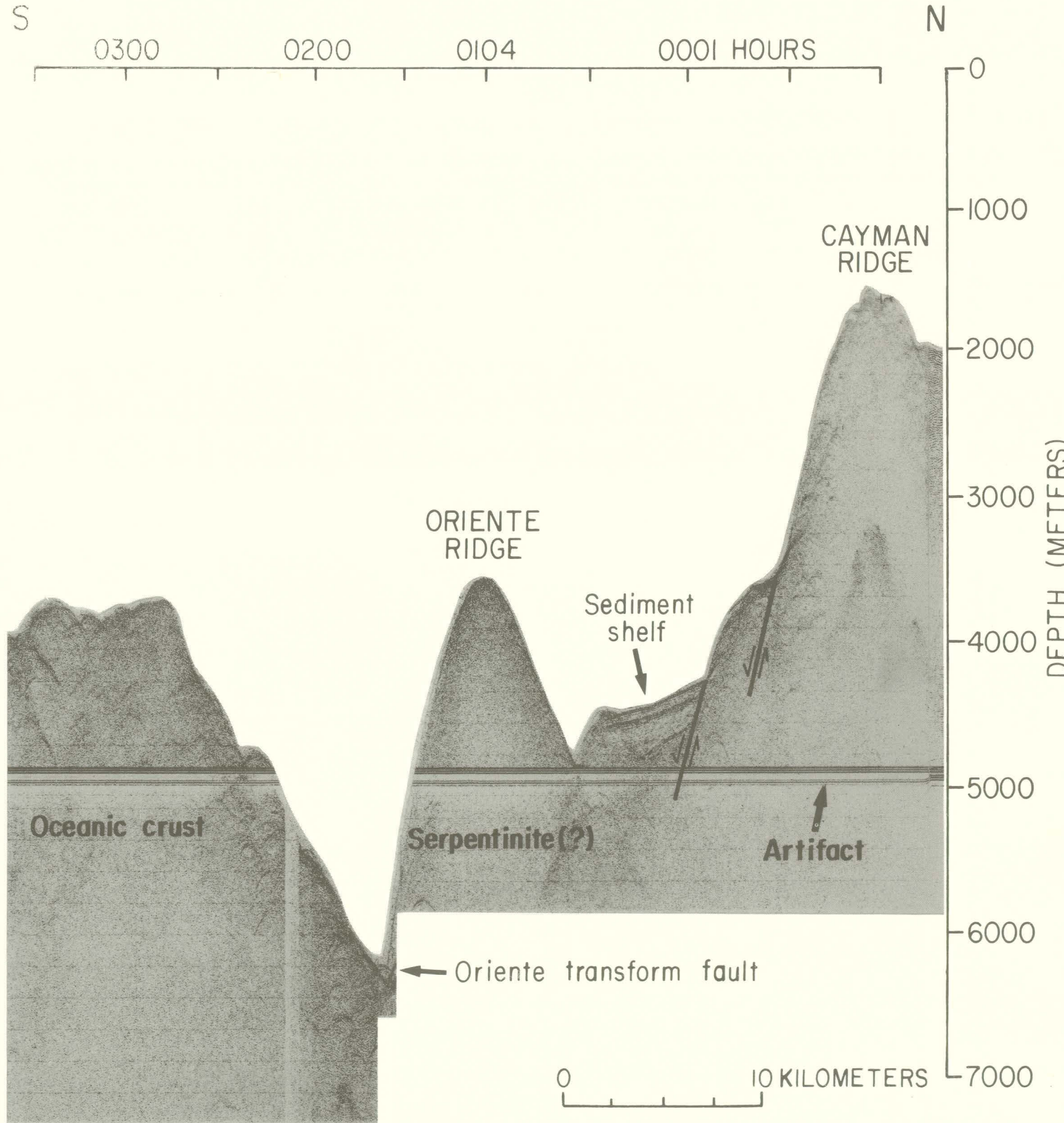




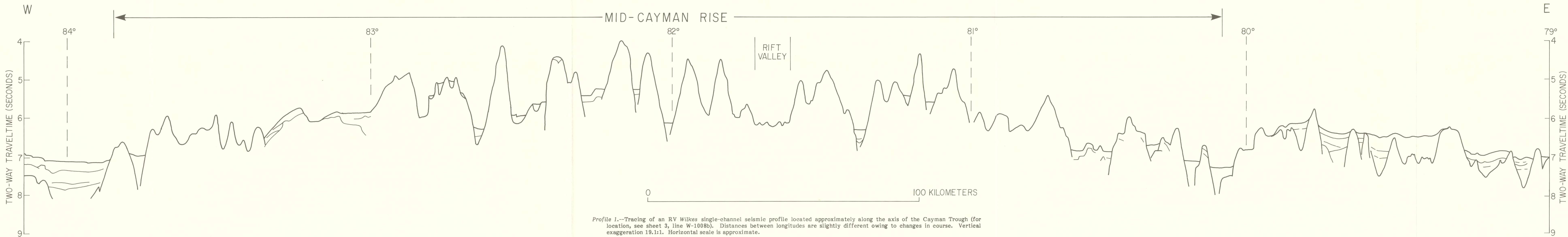
EXPLANATION OF MAP SYMBOLS

Linear features are shown solid where they can be seen on GLORIA images; dashed where inferred. Symbols that are identified on map are not shown below. Lines defining extent of patterned features are solid where edge of feature is visible on GLORIA images; dashed where it is inferred.

- 5000 Bathymetric contour—Interval 250 meters. Closed, hachured contour indicates depression
- Ridge
- ET Top of escarpment
- EB Base of escarpment
- Normal fault
- Transcurrent fault
- Downslope direction in channel or canyon
- Depression
- Pelagic sediment
- Abyssal plain or sediment pond
- Tilted abyssal plain
- Gabbro
- Basalt
- Volcanic structures



Profile 2.—High-resolution seismic-reflection profile across the northern margin of the Cayman Trough, from unpublished data provided by David Fakiel, Texas A and M University (for location, see sheet 3, line A-71). Vertical exaggeration 11.3:1. Horizontal scale is approximate.



Profile 1.—Tracing of an RV Wilkes single-channel seismic profile located approximately along the axis of the Cayman Trough (for location, see sheet 3, line W-100B). Distances between longitudes are slightly different owing to changes in course. Vertical exaggeration 19.1:1. Horizontal scale is approximate.

GEOLOGIC INTERPRETATION AND DETAILED BATHYMETRY

GLORIA SIDESCAN-SONAR IMAGERY AND GEOLOGIC INTERPRETATION OF THE CENTRAL CAYMAN TROUGH, NORTHWESTERN CARIBBEAN SEA

By

N. Terence Edgar¹, William P. Dillon¹, Lindsay M. Parson², Kathryn M. Scanlon¹,
Colin L. Jacobs², and Troy L. Holcombe³