Figure 39. Highly schematic map showing approximate depth to the HHT discontinuity in the Caribbean region. Solid straight line segments represent lines of seismic refraction; small numbers indicate depth to layers of seismic velocity of 7.8 km/sec or greater. Lines without numbers are refraction sites where mantle velocities were not detected. Short-dashed lines indicate areas where gravity models were used to control the contours of depth. Stars indicate crustal determinations from local earthquake data. Depths are in kilometers.

Data are from many sources, including: Edgar and others (1971), Officer and others (1957), Ewing and others (1957), Benioff and others (1960), Menard and others (1952), Wenzel and Ewing (1952), Ewing and Wenzel (1954), Schull and others (1971), Bowin (1976), Weiblin (1973), Arden (1975), Case and others (1971), Shear and Fisher (1961), Victor (1976), Woodcock (1975), Barday (1974), Polinbbee (1972), Meyer and others (1976), Weismer and others (1976), Bonini and others (1977), Bonini (1978), Couch (1976), Ladd and others (1978), Derhla and others (1979), Matsumoto and Latham (1977), Matsumoto and others (1976), Case and Donnelly (1976), Solovjev and others (1964), Antoine and Ewing (1963), Martin and Case (1975), Silver and others (1975), Talwani and others (1965), Jin and others (1979), Gettrust and others (1978), Brickebrooks (1978), Dillon and others (1972), and Bunce and Fahlquist (1962).