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Geologic and Structural Map of Eastern Asia

A synthesis of the onshore and offshore geologic data of eastern Asia, prepared by the Institut Français du Pétrole (IFP), has allowed the construction of geologic and structural maps for this region. These maps include three color sheets (scale = 1:2.5 million) and three plates of geologic and structural cross sections. Located between lat. 4° and 35°N, and long. 106° and 132°E, the maps cover the following geographic areas: East and South China Sea, Sulu Sea, West Philippine basin and onshore neighboring terrains, Kyushu and Ryukyu Islands, the China margin, Taiwan Island, Vietnam, North West Borneo, and the Philippines. The maps synthesize seismic interpretations, oil well data, geologic work in south Japan, Taiwan, Borneo, and the Philippines, and recent data published between 1976 and 1985.

Besides exhibiting detailed bathymetry, they display large structural units (oceanic crust, active margins, large tectonic trends, faults, subduction and collision trenches, and troughs), folding and thickness of total sediment in meters (above economic basement) in onshore and offshore sedimentary basins, and onshore geology revised with field data.

Twenty-four geologic cross sections (scale = 1:1.25 million, vertical exaggeration × 6) intersect ocean margins, important basins, and the different structural domains. They are based on seismic profiles, well data, and available onshore and offshore geologic data. These cross sections show basement composition and structures, different tectonic and sedimentary domains, and the structure and thickness of different sedimentary deposits (such as age, unconformities, and geologic structures). Maps and cross sections will be published in early 1987.