

From Indonesia to Myanmar: A Review of Seismic Images Across the Indo-Australian/Sunda Plate Margin: The Anatomy of a Subduction Zone in Space & Time

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ABSTRACT

From published and unpublished sources 11 seismic images have been compiled across the Indo- Australian/Sunda Plate margin from Sumatra, where a subduction margin is generally recognized, through the Andaman Islands (India), to Myanmar where the nature of the margin is subject to debate. Shown are the locations of these 11 seismic images plus volcanoes, major faults along the margin and an interpretation of the trend of the volcanic arc. These features and parameters have been tabulated for all seismic images from which trends are recognized and plate margin zones are identified. Observations from the seismic images alone are insufficient to characterize the plate margin, so additional data, models and analogues are integrated into the interpretation to give a better insight into the anatomy of the subduction zone in space and time.