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396

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RESUMOS

RESUMENES

ABSTRACTS



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PRELIMINARY RESULTS OF THE "BRUSQUE TRANSECT"

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The Brusque transect (#2 in the Brazilian Transects Project), in its southern part follows a S-N direction across the precambrian terrains of the Santa Catarina and Paraná states, and close to Curitiba (PR) it bends westwards and proceeds in the NW direction across the deepest part of the Paraná basin and continues across the Mato Grosso do Sul state towards the bolivian border.

Geophysical data are mainly from gravity and aeromagnetic surveys. Boreholes drilled for petroleum exploration provide control points of the sediments and lava sequences, as well as of the topography of the basement underneath the Paraná basin.

Along the outcropping precambrian portion the main structures including the Don Feliciano fold belt, the Luis Alves craton and the Ribeira fold belt, are geologically well detailed. The available reports from petroleum exploration companies and published data provide relevant information on the structure of the basin.

A preliminary gravity data inversion for the southern section of the transect is presented and compared with the magnetic signature where available. A vertical geological section, compatible with the preliminary gravity interpretation is presented.

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349 /