

## **THE ARAGUAINHA DOME / Brasil - RESULTS AND OPEN QUESTIONS**

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Results of field studies combined with remote sensing and petrographical investigations will be summarised. Structural features like sets of impact related faults in the whole structure, thrust faults in the rim of the central uplift, sheared pebbles in the central uplift and in the terraced rim zone, and the common folds in the collar formed by the steeply dipping Furnas Sandstone in the outer part of the central uplift have been studied in detail. Their significance for the cratering processes will be pointed out. The floor of the transient cavity is exposed at some spots within the central uplift where a polymict allochthonous impact-breccia overlays shocked granite of the basement. The granite exhibits an increasing degree of in-situ-melting the closer it is to the contact. The conditions for the in-situ-melting, the low quantity of impact melt in the whole impact structure, and the degree of erosion still remain questionable and will also be discussed.