

SETUVA ANTIFORM: AN EXPOSED 2.1Ga BASEMENT OF CAPIRU FORMATION

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In the southern border of the Ribeira Belt, close to the dextral neoproterozoic Lancinha Shear Zone the Setuva Antiform occurs. Covering an area larger than 200 Km² the Setuva Antiform is represented by a NE-SW elliptical structure where the basement gneisses that outcrops on its central part is covered, near the borders, by the supracrustal sequences. The surrounding rocks are represented by the CapiRU Formation a sedimentary sequence of low metamorphic grade composed mainly by stromatolitic dolomites, phylites and quartzite. The orthogneisses of syeno to monzogranitic composition were metamorphosed at greenschist facies showing a strong foliation where a stretched lineation can easily be found. Near the borders, migmatites often crosscut by whitish quartz-feldspatic leucosomes occur associated with biotite gneisses, two mica schists and amphibolitic lenses. The porphyroclastic mylonitic gneisses yield by U-Pb in zircons ages around 2.1-2.2Ga. Based on the radiometric data and in the lithological affinities it is here suggested a correlation between these gneisses and those observed in the Atuba Complex that comprises the basement of Curitiba Microplate.