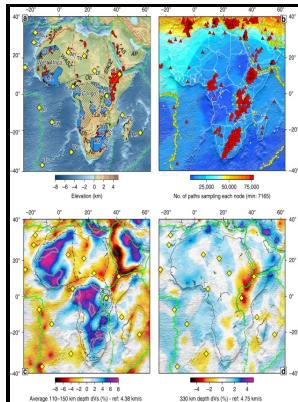


# The structural boundary between the Kaapvaal and Sonoma crustal provinces.

**University of the Witwatersrand. - The crustal architecture of the Kaapvaal crustal block South Africa, between 3.5 and 2.0 Ga**



Description: -

Mi-8 (Helicopters)

Geology - South Africa The structural boundary between the Kaapvaal and Sonoma crustal provinces.

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Notes: 11

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## seismic refraction investigation of the Archaean Kaapvaal Craton, South Africa, using mine tremors as the energy source

Each row of the resolution matrix is a resolution surface or kernel. Group 1 were intruded at ~190 Ma and have low TiO<sub>2</sub> and Zr contents and a significant Archean crustal component, but also evidence of hydrothermal alteration.

## January 2006 LIP of the Month

Dykes of Group 1 and Group 3 are sub-parallel ENE-WSW and both groups were emplaced at ~190 Ma in response to the same regional stress field, which had changed by ~178 Ma, when Group 2 and Group 4 dykes were intruded along a dominantly NNE-SSW strike.

## Crustal structure of the Kaapvaal craton and its significance for early crustal evolution

Overall, in this period range the velocity anomalies are much smaller than those obtained in non-cratonic regions elsewhere in the world, such as California e. Figure 1: Location map of rock outcrops in western Dronning Maud Land Antarctica from Vestjella to H.

## Thrust zones and shear zones of the margin of the Namaqua and Kheis mobile belts, southern Africa

Journal of the Geological Society, London 157, 261- 263. Petrogenesis of the Volcanic Rocks of the Karoo Province.

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