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Zircon U-Pb ages and Hf isotope data from the Kukuluma Terrain of the Geita Greenstone Belt, Tanzania Craton: implications for stratigraphy, crustal growth and timing of gold mineralization

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Highlights:

- Kukuluma Terrain forms the eastern part of the Geita Greenstone Belt and hosts three major gold deposits
- The main period of deformation and intrusive activity occurred between 2700 Ma and 2650 Ma
- Crustal growth occurred between 2720 Ma and 2620 Ma from mainly a juvenile source
- The maximum age of gold mineralization is 2650 Ma