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Geography.

- 1) Explain What is Indian Ocean Geoid Low (IOGL)?
(150 words)

Our Planet is flat at the poles and it bulges at the equator. and it doesnot have uniform gravity. Eg: There is a massive 'gravity hole' in Indian Ocean.

Indian Ocean Geoid Low (IOGL).

1) The strength of the gravitational pull at any part of the world is dependent on the masses of Earth Crust, mantle and Core.

2) A massive region in Indian Ocean about 1200 km. Southwest of the Southernmost tip of India has a such a low pull of gravity. ~~That~~ ~~the~~ ~~sea~~ ~~level~~ ~~of~~ ~~Indian~~ ~~Ocean~~

3) That the Sea level of Indian Ocean ever the hole is around 106m. This is called Indian Ocean Geoid Low.

Recently in IISC in Bengaluru they found gravitational anomaly.

↳ looking at the Computer Stimulated models of past 140 Million years they found

the remains of ancient ~~Indian~~ Ocean 965 km below the Earth crust just under Africa.

The researches found molten rock plumes below Africa, which could be potentially have been caused by tectonic plates into the mantle.

They behind the plumes be the reason for JQGL.

Conclusion

No clear Seismographic evidence That the plumes in the stimulations are actually present in Indian Ocean.