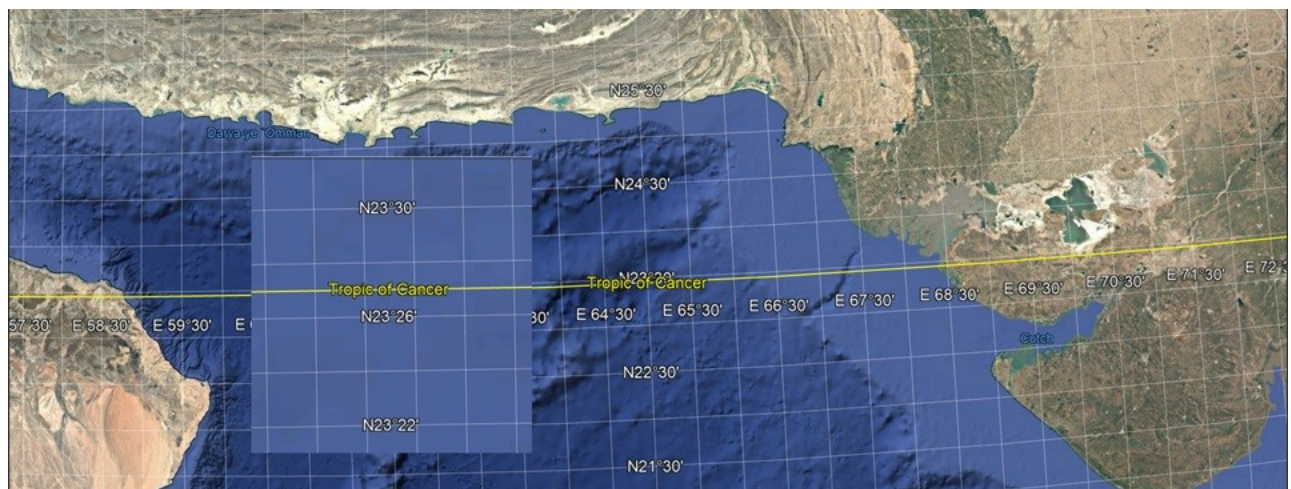
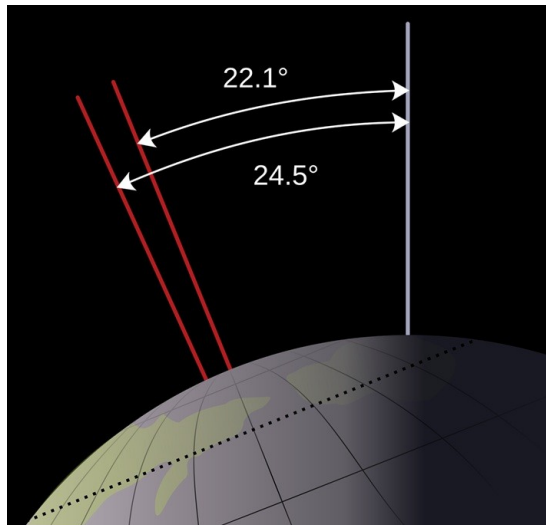


Earth's Axial Precession

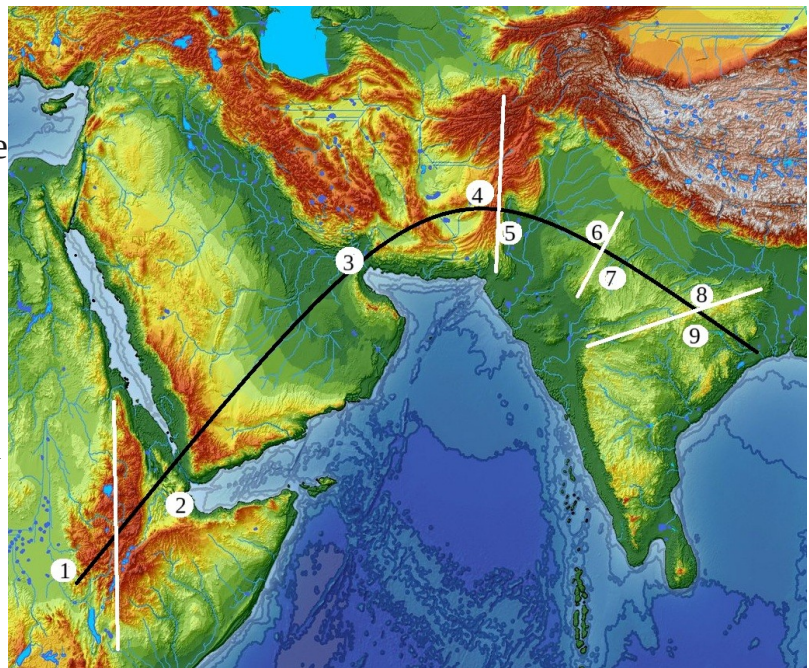
by Potluri Rao In Seattle ©2018 (CC BY 4.0)

As Earth rotates, it wobbles slightly upon its rotational axis, called the axial precession. In addition to the precession, the axis itself changes every 41,000 years, resulting in a shift in the direction of Indian monsoon winds. The current axial tilt is called the Tropic of Cancer. The angle of the Earth's axial tilt with respect to the orbital plane varies between 22.10° and 24.50° , over a cycle of about 41,000 years. The current tilt is 23.44° , roughly halfway between its extreme values. The current exact value is 23.44° ($23^\circ 26' 22''$), not 23.50° , as is commonly assumed. Ten thousand years ago, it was 24.50° . Ten thousand years from now, it will be 22.10° .



When the axial tilt moves from 22.10° to 24.50°, the Indian monsoon winds move from the Arabian Sea to the Bay of Bengal in summer. When the axial tilt moves from 24.50° to 22.10°, the monsoon winds reverse direction and move from the Bay of Bengal to the Arabian Sea in winter. The geology of the mountains acts like the mechanics of a pump to make the winds follow the direction of the piston. Every 20,000 years, the Indian monsoon winds reverse direction.

Hindus (DNA F) were highly advanced, logic-based cultures. They voluntarily left Ethiopia 100,000 years ago and followed the monsoon winds, the black line. They were rainwater people. They lived only along mountain ridges that were perpendicular to the black line, the white lines that trapped rainwater from the monsoon winds. They were forced to move from one location to the next, the white circles, every 20,000 years. They were aware that when one side of a ridge was fertile land, the other side was wasteland.



The Persian Gulf (3) always had some rainwater, no matter which way the winds blew. It was the base camp. Hindus lived in (3) from 80,000 BCE to 10,000 BCE. When the winds blew west to east, (4) and (6) had more rainwater than (3), which prompted migration.

The alternating fertile lands and wastelands had a ratchet effect and moved Hindus from west to east every 20,000 years.

Hindus moved from (8) to (9) only 4,000 years ago. When the winds blew west to east, the area to the east of the Satpura Ridge was a vast wasteland. Currently, the monsoon winds blow in winter from the Bay of Bengal to the Arabian Sea. All the people who lived in (8) for 20,000 years moved to (9). They are now safe for the next 16,000 years.