

**EARTH SYSTEM DYNAMICS EMBEDDED IN ANCIENT
TAMIL CULTURAL REMAINS AND SATELLITES
OBSERVED EVIDENCES, INDIA**

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A B S T R A C T

The Tamil society is one of the oldest societies in the world as evidenced from the large cultural remains available in the form of literature, historical data, epigraphy, archaeology etc; These cultural remains have hierarchy of information on the ancient Tamils, their culture, social systems and civilization, ancient architecture, the different rulers/ dynasties and their contributions, maritime histories and the inter/intra continental trades, their in depth knowledge in astrology, astronomy, mathematics etc; Interestingly the ancient Tamils have meticulously documented all these in their above cultural remains. In the course of these narrations, there are mentions in many places about the planet Earth and its dynamics, flow paths and the behaviour of the river systems, land-ocean interactive dynamics, natural disasters etc; These, on one side show the wisdom and the knowledge of the ancient Tamils, on the other side had information of contemporary relevance to present day science and technology based development. In this connection, the present article brings out certain newer information on the citations and descriptions made on Earth system dynamics in these cultural remains and their confirmation by the modern satellite based remote sensing technology.

Key words: Ancient Tamils, cultural remains, earth system dynamics of South India