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Oral

In 2024, the greatest minimum of the length of day (LOD) over 80 years (-1.57 ms) has been recorded. At the same time, the amplitudes of the Chandler wobble and Free Core Nutation reached minimum. Some researchers relate this to the global warming.

GRACE and GRACE-FO missions track mass redistributions on Earth for more than two decades and can give an answer, to what extent the mass component can be responsible for the present-day anomalies in the Earth rotation

We will discuss the problem of possible interconnection between climate and rotation of the planet, demonstrating the trends related to some particular basins.

Presentation file

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Meeting homepage

[GRACE-FO 2025 Science Team Meeting](#)

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