



# EXPLORE EARTH

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## Earth Information System (EIS)

Monthly Highlights

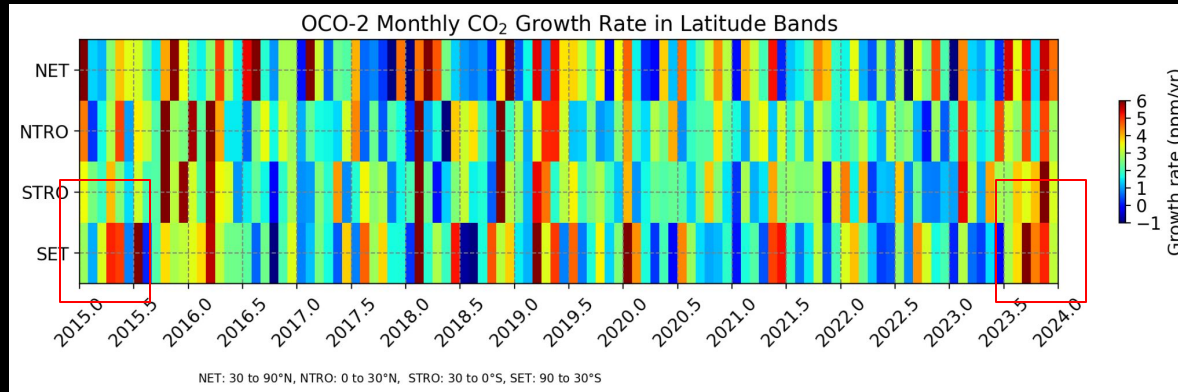
April 2024



<https://www.earthdata.nasa.gov/eis>

# Low-latency CO<sub>2</sub> growth rate shows impact of 2023 El Nino

Recently submitted paper by Pandey et al, “Towards Low-Latency Estimation of Atmospheric CO<sub>2</sub> Growth Rates using Satellite Observations: Evaluating Sampling Errors of Satellite and In Situ Observing Approaches” harnesses OCO-2 data with a new algorithm that can capture latitudinal contributions to the CO<sub>2</sub> growth rate at monthly-scale latencies.



Rapid increase in the CO<sub>2</sub> growth in the Southern extratropics are similar to those of the El Nino in 2015. Further analysis from EIS could help attribute anomalies to hydrological or combustion drivers.

# EIS Engagement and Outreach Activities

Organization/ Meeting	Date(s)/Location	Thematic Area	Activity/ Outcome
Applied Earth Observations Innovation Partnership (AEOIP) Spring Workshop	Apr 23-25, Ann Arbor, MI	Fire	Presented posters focusing on candidate fire detections, post-fire vegetation impacts, and an overview of EIS-Fire
WMO flood standards meeting	Apr 11, Virtual	Freshwater	Provided inputs on developing flood mapping standards.
WWAO annual meeting	Apr 30-May 2, 2024	Freshwater	Discussed connections between EIS synthesis to augment WWAO efforts