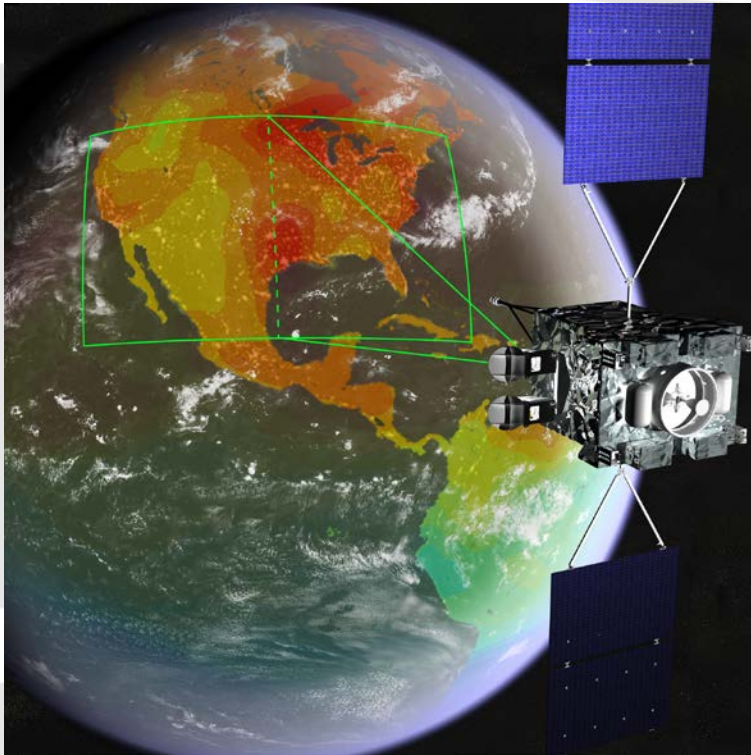




# EVM-2 Mission Summary: Geostationary Carbon Cycle Observatory (GeoCarb)



- Launch Date: NET July 2022
- Category 3 mission per NPR 7120.5E
- Risk classification D per NPR 8705.4
- Single slit, 4-Channel IR Scanning Littrow Spectrometer

## Science:

- Significantly improves knowledge of terrestrial fluxes of CO<sub>2</sub> and CH<sub>4</sub>
- Advances understanding of the global carbon cycle by measuring CO<sub>2</sub>, CH<sub>4</sub>, CO concentrations and solar induced fluorescence for stressed vegetation measurement with high precision and accuracy multiple times per day
- Demonstrates the potential for collaboration between the commercial sector and the science community through hosted payloads

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