

Tanager Satellite



NOTE

Photos of the backside of the spacecraft and solar panels could not be found. A best guess option was used to somehow to completed the design of this model.

Tanager-1 is a groundbreaking hyperspectral satellite launched on Aug. 16, 2024. The launch marks a critical milestone in Carbon Mapper's work to drive local action on methane and CO₂ super-emitters, globally.

There is more momentum than ever to act on climate. But a lack of public and private investment in global methane and CO₂ monitoring has left gaps that leave many emissions untracked and unaddressed.

With the launch of Tanager-1 we are scaling up high impact monitoring to drive transparency of super-emitters everywhere and grow society's collective capacity to be a big part of the solution.

"Data from this satellite will dramatically improve our ability to pinpoint leaks of methane and CO₂ and ensure action is taken to stop them. It's a great example of how new technology can lead to more transparency and faster progress in cutting emissions — which is needed to avoid the worst impacts of climate change.

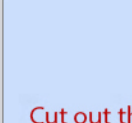
Methane is over 80 times more powerful at retaining heat in the atmosphere than CO₂, contributing to about 30% of global temperature rise to date. Given its outsized climate impact and relatively short lifespan (methane lasts about a decade in the atmosphere), addressing methane is best down payment society can make today to slow the rate of global temperature rise.

Tanager's unique capabilities complement other emissions-detecting sensors in orbit by zooming in on methane super-emitters — facilities or equipment that emit >100 kilograms per hour — across the fossil fuel, waste and agriculture sectors. The Tanager-1 satellite will provide observations with unprecedented granularity to empower industry, policymakers, regulators, and civil society to take actions that reduce emissions at the source. In addition to slowing climate change, mitigating methane will dramatically improve air quality by reducing co-emitted toxic air pollutants, protecting vulnerable communities and improving public health.

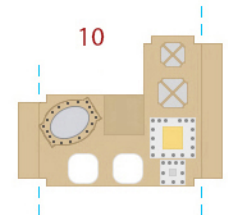
The Tanager-1 mission will use incredible technology to pinpoint emitters and guide action to stop them.



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Cut out this blue area



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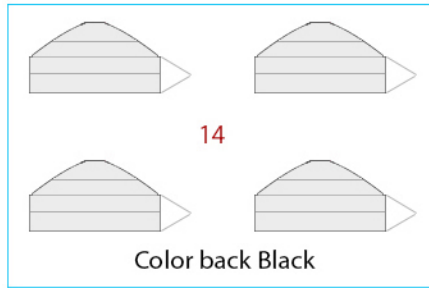
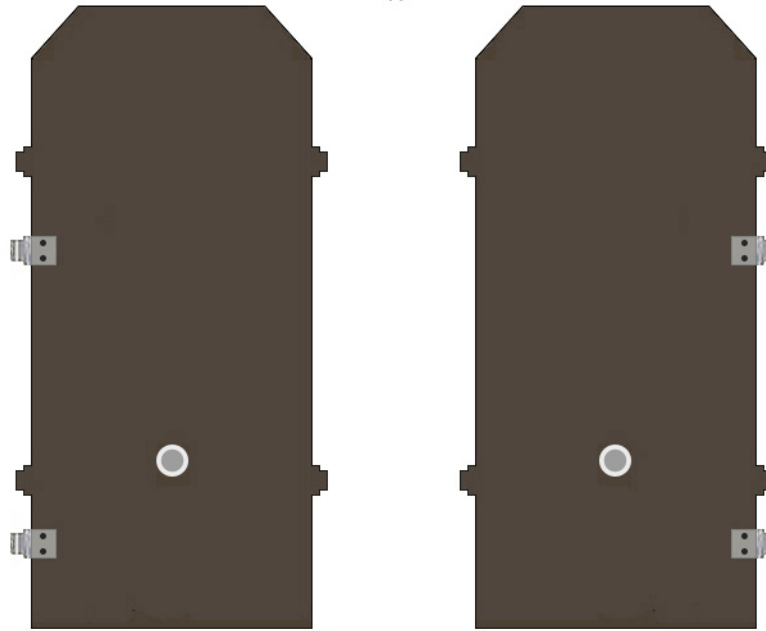


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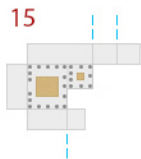
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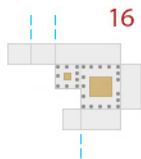
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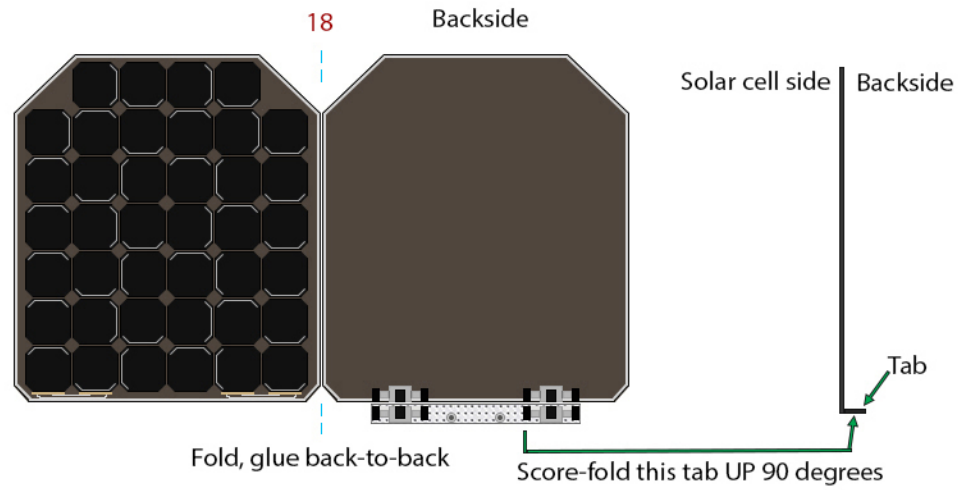
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