



# EVM-3 Investigation Summary: Investigation of Convective Updrafts (INCUS)



Earth System Science Pathfinder (ESSP) Program  
Earth Venture Mission-3 (EVM-3)

Selected 5 November 2021

Phase A, Pre-Formulation

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## Incus Goal:

**To understand why, when and where tropical convective storms form, and why only some storms produce extreme weather.**

*The INCUS mission provides the first tropics-wide investigation of the evolution of the vertical transport of air and water by convective storms, one of the most influential, yet unmeasured atmospheric processes. Such measurements are central to improving our capability to better predict extreme weather events and their changes with warming climates.*

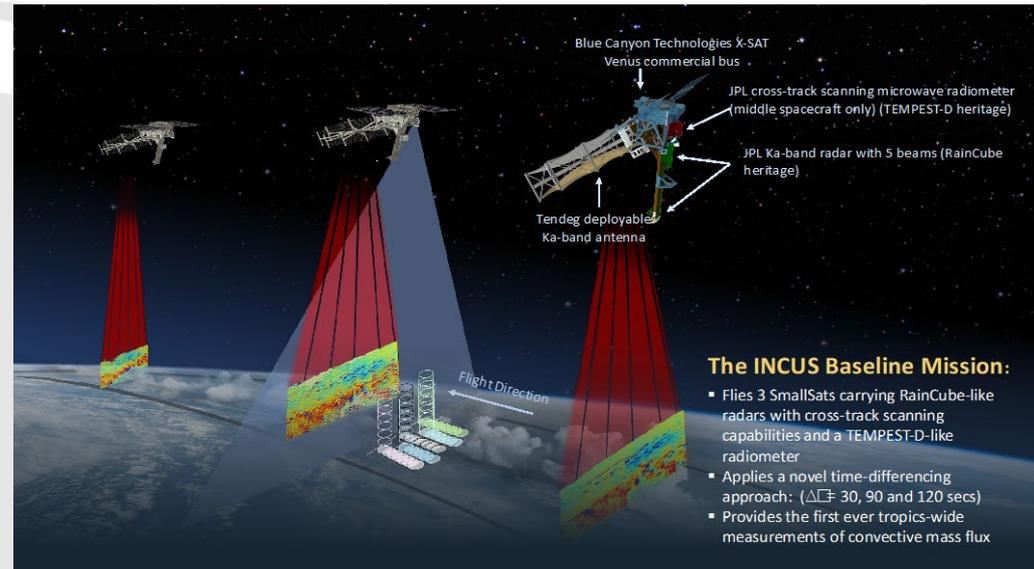


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