

Nose Height to Satellite: the Domain of Airborne Sensors

Harnessing the Heartland or, more generally, studies devoted to Planetary Boundary Layer, will have need for airborne platforms for both remote sensing and in situ sampling.

NASA's research aircraft support science missions that require long-duration flights or heavy-lift capability.

However, cost-effective aircraft that are routinely available to perform local/regional studies can provide essential measurement platforms to support

- Independent measurements
- Sensor development/testing
- Satellite validation

University of Iowa's airborne capability can support Harnessing the Heartland

Iowa's Operator Performance Laboratory is a 100% externally funded R&D organization

Traditionally little-used for science support, we're working to change that, especially for science and measurements at the local/regional level



We're buying one of these pods to support multiple sensor payloads



<https://iti.uiowa.edu/labs/operator-performance-laboratory>

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