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The Intercontinental Chemical Transport Experiment Phase B (INTEX-B)

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For mission details, visit INTEX-B website at:

<http://cloud1.arc.nasa.gov/intex-b/>

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ABSTRACT

[INTEX-NA](#) is a two phase experiment that aims to understand the transport and transformation of gases and aerosols on transcontinental/intercontinental scales and assess their impact on air quality and climate. The primary constituents of interest are ozone and precursors, aerosols and precursors, and the long-lived greenhouse gases. The first phase (INTEX-A) was completed in the summer of 2004 and the second phase (INTEX-B) is to be performed in the spring of 2006. This document is intended to provide an update on the goals of INTEX-B and define its implementation strategy. The scientific goals envisioned here are based on the joint implementation of INTEX-B, [MIRAGE-Mex](#) and DLR/IMPACT studies and their coordination with satellite observations. In collaboration with these partners, the main goals of INTEX-B are to:

- Quantify the transpacific transport and evolution of Asian pollution to North America and assess its implications for regional air quality and climate;
- Quantify the outflow and evolution of gases and aerosols from the Mexico City Megaplex;
- Investigate the transport of Asian and North America pollution to the eastern Atlantic and assess its implications for European air quality;
- Validate and refine satellite observations of tropospheric composition;
- Map emissions of trace gases and aerosols and relate atmospheric composition to sources and sinks

[INTEX-B Science Team Meeting Presentations, Boulder, CO, Oct 27-28, 2005](#)

The INTEX-B field study is to be performed during an approximate 8-week period from March 1 to April 30, 2006... >> [View the entire INTEX-B](#)

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This work was sponsored by [NASA's Earth Science Enterprise](#) through Research, Education, and Applications Solutions Network funding

Last updated: March 31, 2006