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

### [INTEX-B White\\_Paper \(PDF 1.0MB\)](#)

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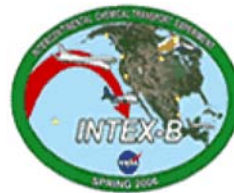
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For mission details, visit INTEX-B website at:

<http://cloud.larc.nasa.gov/intex-b/>

### Tools

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

### 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

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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NASA INTEX-B: Intercontinental Chem...

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