

The Stratospheric Wind Interferometer for Transport studies

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SWIFT (the Stratospheric Wind Interferometer For Transport studies) is a Canadian satellite instrument designed to make continuous global stratospheric wind measurements between 15 and 55 km and provide simultaneous co-located ozone density profiles.

SWIFT is the primary instrument on the Canadian Space Agency's 'Chinook Mission' scheduled for launch in late 2010.

This paper will describe the overall scientific objectives of SWIFT; the observational technique; and the expected impact of SWIFT's observations on atmospheric science.