



# National Transportation Safety Board Aviation Incident Data Summary

<b>Location:</b>	Chicago, IL	<b>Incident Number:</b>	OPS12IA167A
<b>Date &amp; Time:</b>	12/01/2011, 0907 CDT	<b>Registration:</b>	
<b>Aircraft:</b>	LEARJET INC 45	<b>Injuries:</b>	6 None
<b>Flight Conducted Under:</b>			

## Analysis

A runway incursion occurred when a Boeing 737-700 (B737) was cleared by a tower local controller to cross a runway immediately after a Learjet 45 was cleared for takeoff on the same runway. The first officer of the B737 saw the departing Learjet and warned the captain, who stopped the B737 short of the runway edge. Air traffic control personnel did not take any actions to resolve the conflict between the two airplanes. Recorded data indicated that the Learjet passed within 287 feet laterally and 62 feet vertically of the B737.

## Flight Events

Takeoff - Runway incursion veh/AC/person

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this incident to be: The tower local controller did not ensure that the runway was clear of conflict before directing the B737 to cross the runway, and other air traffic control personnel did not effectively intervene when the separation between the two airplanes became questionable.

## Findings

Personnel issues-Action/decision-Info processing/decision-Identification/recognition-ATC personnel - C

Personnel issues-Action/decision-Info processing/decision-Decision making/judgment-ATC personnel - C

Personnel issues-Task performance-Communication (personnel)-Lack of communication-ATC personnel - C

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	LEARJET INC	<b>Registration:</b>	
<b>Model/Series:</b>	45	<b>Engines:</b>	2 Turbo Fan
<b>Operator:</b>		<b>Engine Manufacturer:</b>	HONEYWELL
<b>Air Carrier Operating Certificate:</b>	On-demand Air Taxi (135)	<b>Engine Model/Series:</b>	TFE-731-SER
<b>Flight Conducted Under:</b>			

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	MDW, 620 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 20000 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	4 knots, 180°
Temperature:	1° C / -4° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Chicago, IL	Destination:	Savannah, GA (SAV)

## Airport Information

Airport:	Chicago Midway (MDW)	Runway Surface Type:	Unknown
Runway Used:	31R	Runway Surface Condition:	Dry
Runway Length/Width:	5141 ft / 150 ft		

## Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	None
Passenger Injuries:	4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

## Administrative Information

Investigator In Charge (IIC):	Daniel J Bartlett	Adopted Date:	11/07/2012
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82486">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82486</a>		

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