



National Transportation Safety Board Aviation Accident Data Summary

Location:	CHICAGO, IL	Accident Number:	CHI91LA103
Date & Time:	03/02/1991, 1545 CST	Registration:	N385MQ
Aircraft:	Short Brothers SD3-60	Injuries:	22 None
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Analysis

THE ACCIDENT AIRPLANE OVERROTATED AND STRUCK THE RUNWAY WITH AIRCRAFT FUSELAGE DURING A NO FLAP LANDING. THE FIRST OFFICER WAS FLYING THE APPROACH AND WHEN HE ASKED FOR FLAP EXTENSION BOTH PILOTS STATED THEY DID NOT EXTEND. THE CAPTAIN ELECTED TO CONTINUE THE APPROACH. THE FINAL APPROACH WAS FLOWN WITH THE CAPTAIN MANIPULATING THE THROTTLES AND THE FIRST OFFICER ON THE FLIGHT CONTROLS. THE AIRPLANE BOUNCED ON TOUCHDOWN. THE CAPTAIN ASSUMED COMPLETE CONTROL OF THE AIRPLANE AND COMPLETED THE LANDING.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: AN EXCESSIVE LANDING FLARE BY THE COPILOT. FACTORS ASSOCIATED WITH THE ACCIDENT ARE THE INOPERATIVE WING FLAPS AND THE CAPTAIN'S INADEQUATE SUPERVISION.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. TERRAIN CONDITION - RUNWAY
2. (C) FLARE - EXCESSIVE - COPILOT/SECOND PILOT
3. (F) FLIGHT CONTROL, FLAP - INOPERATIVE
4. (F) SUPERVISION - INADEQUATE - PILOT IN COMMAND

Pilot Information

Certificate:	Airline Transport	Age:	30
Airplane Rating(s):	Multi-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	5087 hours (Total, all aircraft), 1903 hours (Total, this make and model), 502 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Short Brothers	Registration:	N385MQ
Model/Series:	SD3-60 SD3-60	Engines:	2 Turbo Prop
Operator:	SIMMONS AIRLINES	Engine Manufacturer:	P&W
Operating Certificate(s) Held:	Flag carrier (121)	Engine Model/Series:	PT6A-65AR
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ORD, 667 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 1100 ft agl	Wind Speed/Gusts, Direction:	22 knots / 31 knots, 10°
Temperature:	-1 °C	Visibility	2 Miles
Precipitation and Obscuration:			
Departure Point:	KALAMAZOO, MI (AZO)	Destination:	

Airport Information

Airport:	O'HARE FIELD (ORD)	Runway Surface Type:	Asphalt
Runway Used:	32	Runway Surface Condition:	Wet
Runway Length/Width:	10003 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	3 None	Aircraft Damage:	Substantial
Passenger Injuries:	19 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	William C Bruce	Adopted Date:	12/04/1992
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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