



National Transportation Safety Board Aviation Incident Data Summary

Location:	MADISON, WI	Incident Number:	CHI87IA039
Date & Time:	12/01/1986, 2326 CST	Registration:	N786NC
Aircraft:	DOUGLAS DC-9-51	Injuries:	114 None
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Analysis

AIRCRAFT SLID OFF THE RIGHT SIDE THE RUNWAY DURING THE ROLLOUT FROM A CROSS WIND LANDING AND STRUCK 6 RUNWAY EDGE LIGHTS CAUSING MINOR DAMAGE TO THE INBOARD TRAILING EDGE OF THE RIGHT FLAP. AT THE TIME OF THE INCIDENT THERE WAS 1/2 INCH OF SNOW ON THE RUNWAY AND BRAKING ACTION WAS REPORTED AS POOR. THE PIC WAS ABLE TO REGAIN CONTROL AND RETURNED THE AIRCRAFT TO THE RUNWAY WHERE THE REMAINDER OF THE LANDING ROLL WAS COMPLETED WITHOUT FURTHER INCIDENT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this incident to be:

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (F) WEATHER CONDITION - CROSSWIND
 2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 3. (C) GROUND LOOP/SWERVE - NOT CORRECTED - PILOT IN COMMAND
 4. (F) WEATHER CONDITION - SNOW
 5. (F) LIGHT CONDITION - DARK NIGHT
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

6. TERRAIN CONDITION - SNOW COVERED
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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Pilot Information

Certificate:	Airline Transport	Age:	43
Airplane Rating(s):	Multi-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	16000 hours (Total, all aircraft), 5000 hours (Total, this make and model), 240 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	DOUGLAS	Registration:	N786NC
Model/Series:	DC-9-51 DC9-51	Engines:	2 Turbo Fan
Operator:	NORTHWEST AIRLINES	Engine Manufacturer:	P&W
Operating Certificate(s) Held:	Flag carrier (121)	Engine Model/Series:	JT8D-17
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	Overcast / 0 ft agl	Wind Speed/Gusts, Direction:	15 knots / , 70°
Temperature:	0°C	Visibility	0 Miles
Precipitation and Obscuration:			
Departure Point:	DETROIT, MI (DTW)	Destination:	

Airport Information

Airport:	MADISON/DANE CNTY. (MSN)	Runway Surface Type:	Asphalt
Runway Used:	18	Runway Surface Condition:	Snow--wet
Runway Length/Width:	9005 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	5 None	Aircraft Damage:	Minor
Passenger Injuries:	109 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): WILLIAM C BRUCE

Adopted Date: 04/25/1988

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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