



National Transportation Safety Board Aviation Incident Factual Report

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

Pilot Information

Certificate:	Airline Transport	Age:	43, Male
Airplane Rating(s):	Multi-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	10/30/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
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	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	48148
Landing Gear Type:	Retractable - Tricycle	Seats:	
Date/Type of Last Inspection:	AAIP	Certified Max Gross Wt.:	110000 lbs
Time Since Last Inspection:		Engines:	2 Turbo Fan
Airframe Total Time:		Engine Manufacturer:	P&W
ELT:	Not installed	Engine Model/Series:	JT8D-17
Registered Owner:	NORTHWEST AIRLINES	Rated Power:	
Operator:	NORTHWEST AIRLINES	Operating Certificate(s) Held:	Flag carrier (121)
Operator Does Business As:		Operator Designator Code:	NWAA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Partial Obscuration / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	Overcast / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	0° C / -18° C
Precipitation and Obscuration:			
Departure Point:	DETROIT, MI (DTW)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	0000	Type of Airspace:	Class D

Airport Information

Airport:	MADISON/DANE CNTY. (MSN)	Runway Surface Type:	Asphalt
Airport Elevation:	862 ft	Runway Surface Condition:	Snow--wet
Runway Used:	18	IFR Approach:	ILS
Runway Length/Width:	9005 ft / 150 ft	VFR Approach/Landing:	Full Stop; Straight-in

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
Total Injuries:	114 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC): WILLIAM C BRUCE

Additional Participating Persons:

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/>.