
Turbulence injury, Boeing 737-800, August 16, 2003

Micro-summary: This Boeing 737-800 encountered turbulence, which resulted in a flight attendant's broken ankle.

Event Date: 2003-08-16 at 1340 EDT


Investigative Body: National Transportation Safety Board (NTSB), USA


Investigative Body's Web Site: <http://www.nts.gov/>


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		NTSB ID: NYC03LA177		Aircraft Registration Number: N329TZ	
		Occurrence Date: 08/16/2003		Most Critical Injury: Serious	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Wooster	State OH	Zip Code 44691	Local Time 1340	Time Zone EDT	
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility: 35		Direction From Airport: 180	
Aircraft Information Summary					
Aircraft Manufacturer Boeing		Model/Series 737-800		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On August 16, 2003, about 1340 eastern daylight time, a Boeing 737-800, N329TZ, operated by American Trans Air Inc., as flight 820, was not damaged after it encountered turbulence during decent over Wooster, Ohio. There were no injuries to the 2 certificated airline transport pilots, 1 flight attendant, and 129 passengers; however, 1 flight attendant was seriously injured, and two additional flight attendants received minor injuries. Instrument meteorological conditions prevailed for the scheduled, international flight, which originated from the Cancun International Airport (MCUN), Cancun, Mexico, destined for the Cleveland-Hopkins International Airport (CLE), Cleveland, Ohio. Flight 820 was conducted on an instrument flight rules (IFR) flight plan under 14 CFR Part 121</p> <p>According to a representative from the operator, the flight was being vectored around weather in the area of Cleveland, when it encountered turbulence. A flight attendant, who was preparing the cabin for landing, fell and suffered a broken ankle.</p>					
FACTUAL REPORT - AVIATION					
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 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: NYC03LA177				
		Occurrence Date: 08/16/2003				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name Cleveland-Hopkins Int.		Airport ID: CLE	Airport Elevation 791 Ft. MSL	Runway Used NA	Runway Length	Runway Width
Runway Surface Type: Unknown						
Runway Surface Condition: Unknown						
Type Instrument Approach: Unknown						
VFR Approach/Landing: Unknown						
Aircraft Information						
Aircraft Manufacturer Boeing		Model/Series 737-800		Serial Number 32615		
Airworthiness Certificate(s): Transport						
Landing Gear Type: Retractable - Tricycle						
Homebuilt Aircraft? No		Number of Seats: 185	Certified Max Gross Wt. 174200 LBS		Number of Engines: 2	
Engine Type: Turbo Fan		Engine Manufacturer: General Electric		Model/Series: CFM 56-7B	Rated Power: 27000 LBS	
- Aircraft Inspection Information						
Type of Last Inspection Continuous Airworthiness		Date of Last Inspection 07/2003	Time Since Last Inspection 348 Hours		Airframe Total Time 2365 Hours	
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? No		ELT Operated?		ELT Aided in Locating Accident Site?		
Owner/Operator Information						
Registered Aircraft Owner AMERICAN TRANS AIR INC		Street Address PO Box 51609				
		City Indianapolis		State IN	Zip Code 46251	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City		State	Zip Code	
Operator Does Business As:				Operator Designator Code: AMTA		
- Type of U.S. Certificate(s) Held:						
Air Carrier Operating Certificate(s): Flag Carrier/Domestic						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 121: Air Carrier						
Type of Flight Operation Conducted: Scheduled; International; Passenger Only						
FACTUAL REPORT - AVIATION						

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: NYC03LA177
	Occurrence Date: 08/16/2003
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 37
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Sex: M	Seat Occupied: Left	Principal Profession: Civilian Pilot	Certificate Number: On File
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Certificate(s): Airline Transport

Airplane Rating(s): Multi-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): None

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review? 06/2003
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 08/2003
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	5558	781								
Pilot In Command(PIC)										
Instructor										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? Yes
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Flight Plan/Itinerary

Type of Flight Plan Filed: IFR

Departure Point Cancun	State	Airport Identifier MCUN	Departure Time 1435	Time Zone UTC
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Destination Cleveland	State OH	Airport Identifier CLE	
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Type of Clearance: IFR

Type of Airspace: Class B

Weather Information

Source of Briefing: Company

Method of Briefing: In Person

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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
CLE	1351	EDT	791 Ft. MSL	35 NM	180 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			4100 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		Ft. AGL	Visibility: 6	SM	Altimeter: 29.94 "Hg
Temperature: 31 °C	Dew Point: 21 °C	Wind Direction: 270		Density Altitude: Ft.	
Wind Speed: 14	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: Haze					
Type of Precipitation: None					

Accident Information		
Aircraft Damage: None	Aircraft Fire: None	Aircraft Explosion: None

Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				2	2
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants		1	2	1	4
Other Crew					
Passengers				129	129
- TOTAL ABOARD -		1	2	132	135
Other Ground					
- GRAND TOTAL -		1	2	132	135

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: NYC03LA177

Occurrence Date: 08/16/2003

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Stephen M. Demko

Additional Persons Participating in This Accident/Incident Investigation:

FAA
Cleveland, OH