
Birdstrike, Boeing 737-300, August 21, 1997

Micro-summary: This Boeing 737-300 hit a bird on approach, resulting in the first officer's window being shattered.

Event Date: 1997-08-21 at 1405 EDT


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


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


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		NTSB ID: MIA97IA237		Aircraft Registration Number: N602SW	
		Occurrence Date: 08/21/1997		Most Critical Injury: Minor	
		Occurrence Type: Incident		Investigated By: NTSB	
Location/Time					
Nearest City/Place TAMPA	State FL	Zip Code 33601	Local Time 1405	Time Zone EDT	
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility: 10		Direction From Airport: 180	
Aircraft Information Summary					
Aircraft Manufacturer Boeing		Model/Series 737-300		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 21, 1997, about 1405 eastern daylight time, a Boeing 737-300, N602SW, operated by Southwest Airlines Inc. (SWA1907), as a Title 14 CFR Part 121, regular scheduled passenger flight, was struck by a bird near Tampa, Florida. Visual meteorological conditions prevailed, and an IFR flight plan was filed. The airplane received minor damage. The airline transport captain, and the airline transport first officer (FO) received minor injuries, 3 flight attendants, and 71 passengers were not injured. The flight had originated from Fort Lauderdale, Florida, at 1305.</p> <p>While descending into Tampa at an altitude of 4,000 feet mean sea level (msl), the flight struck a "large bird." The FO's No. 1 window shattered both panes of the windshield, sending glass into the cockpit, and into the forward galley. The flight landed without further incident. The captain and FO were taken to the hospital to have glass removed. According to the pilot's statement they saw other birds before the bird strike, and they described the birds that they had seen with wing spans of "4 feet." At the time of the bird strike, windshield heat was available and "ON."</p>					
FACTUAL REPORT - AVIATION					
					Page 1

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: MIA97IA237			
		Occurrence Date: 08/21/1997			
		Occurrence Type: Incident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
TAMPA INTERNATIONAL	TPA	27 Ft. MSL	36R	8300	150
Runway Surface Type: Asphalt					
Runway Surface Condition:					
Type Instrument Approach:					
VFR Approach/Landing: Full Stop					
Aircraft Information					
Aircraft Manufacturer		Model/Series		Serial Number	
Boeing		737-300		27953	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats:	Certified Max Gross Wt.		LBS	Number of Engines: 2
Engine Type:	Engine Manufacturer:	Model/Series:		Rated Power:	
Turbo Fan	Cfm	CFM56		22000 LBS	
- Aircraft Inspection Information					
Type of Last Inspection		Date of Last Inspection	Time Since Last Inspection	Airframe Total Time	
Continuous Airworthiness			Hours	Hours	
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? No	ELT Operated?	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner		Street Address			
FLEET NATIONAL BANK TRUSTEE		777 MAIN ST			
		City	State	Zip Code	
		HARFORD	CT	06115	
Operator of Aircraft		Street Address			
SOUTHWEST AIRLINES INC.		2832 SHORECREST DR.			
		City	State	Zip Code	
		DALLAS	TX	75235	
Operator Does Business As:			Operator Designator Code: SWAA		
- 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; Domestic; Passenger Only					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: MIA97IA237
	Occurrence Date: 08/21/1997
	Occurrence Type: Incident

First Pilot Information

Name On File	City On File	State On File	Date of Birth	Age
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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?
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 04/1997
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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	18000	14500								
Pilot In Command(PIC)	13000	10500								
Instructor										
Last 90 Days	205	205								
Last 30 Days	80	80								
Last 24 Hours	4	4								

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	
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Departure Point FT LAUDERDALE	State FL	Airport Identifier FLL	Departure Time 1305	Time Zone EDT
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Destination Same as Accident/Incident Location	State	Airport Identifier TPA	
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Type of Clearance: IFR

Type of Airspace: Class B

Weather Information

Source of Briefing:
Company

Method of Briefing:

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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
	0000		0 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			0 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		0 Ft. AGL	Visibility: 10 SM	Altimeter: "Hg	
Temperature: 32 °C	Dew Point: °C	Wind Direction:		Density Altitude: Ft.	
Wind Speed:	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown			
Restrictions to Visibility: None					
Type of Precipitation: None					

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

Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot			1		1
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants				3	3
Other Crew					
Passengers				71	71
- TOTAL ABOARD -			2	74	76
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	2	74	76

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: MIA97IA237

Occurrence Date: 08/21/1997

Occurrence Type: Incident

Administrative Information

Investigator-In-Charge (IIC)

ALAN J. YURMAN

Additional Persons Participating in This Accident/Incident Investigation:

STAN OKON
ORLANDO FSDO
ORLANDO, FL 32827