
Birdstrike, Bombardier DHC-8-102, October 6, 1999

Micro-summary: This Bombardier DHC-8-102 experienced bird strike when in cruise at 3000'.


Event Date: 1999-10-06 at 2230 EDT


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


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

Cautions:

1. Accident reports can be and sometimes are revised. Be sure to consult the investigative agency for the latest version before basing anything significant on content (e.g., thesis, research, etc).
 2. Readers are advised that each report is a glimpse of events at specific points in time. While broad themes permeate the causal events leading up to crashes, and we can learn from those, the specific regulatory and technological environments can and do change. ***Your company's flight operations manual is the final authority as to the safe operation of your aircraft!***
 3. Reports may or may not represent reality. Many many non-scientific factors go into an investigation, including the magnitude of the event, the experience of the investigator, the political climate, relationship with the regulatory authority, technological and recovery capabilities, etc. It is recommended that the reader review all reports analytically. Even a "bad" report can be a very useful launching point for learning.
 4. Contact us before reproducing or redistributing a report from this anthology. Individual countries have very differing views on copyright! We can advise you on the steps to follow.
-

		NTSB ID: NYC00LA007		Aircraft Registration Number: N818EX	
		Occurrence Date: 10/06/1999		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place PHILADELPHIA		State PA	Zip Code 19101	Local Time 2230	Time Zone EDT
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Boeing - Canada (de Havilland)		Model/Series DHC-8-102		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 October 6, 1999, about 2230 Eastern Daylight Time, a Bombardier de Havilland DHC-8-102, N818EX, sustained substantial damage while in cruise flight, approximately 5 miles north of Philadelphia, Pennsylvania. The airplane was owned by Seventh Leasing Corporation, and operated by Allegheny Airlines Inc. The 3 crewmembers and 12 passengers were not injured. Visual meteorological conditions prevailed for the flight that originated from Philadelphia International Airport (PHL), Philadelphia, Pennsylvania; destined for Lehigh Valley International Airport (ABE), Allentown Pennsylvania. An instrument flight rules flight plan was filed for the passenger flight conducted under 14 CFR part 121.</p> <p>According to the Captain's written statement:</p> <p>"Multiple large bird strikes at 3000' MSL about 5 NM North of PHL. Had departed PHL for ABE, and leveled of(f) at cruise. While we suspected multiple strikes, only one impact sound was heard as apparently all birds hit at the same time. Extensive damage was not suspected, so flight continued to ABE..."</p> <p>The airplane was examined by a Federal Aviation Administration Inspector. The Inspector observed an approximate 12-inch hole in the front spar of the left wing. He also noted damage to the propellers and radome.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: NYC00LA007			
		Occurrence Date: 10/06/1999			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach: NONE					
VFR Approach/Landing: None					
Aircraft Information					
Aircraft Manufacturer Boeing - Canada (de Havilland)		Model/Series DHC-8-102		Serial Number 235	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 40	Certified Max Gross Wt.	34500 LBS	Number of Engines: 2	
Engine Type: Turbo Prop	Engine Manufacturer: P&W	Model/Series: PW120A	Rated Power: 2000 HP		
- Aircraft Inspection Information					
Type of Last Inspection Continuous Airworthiness	Date of Last Inspection 08/1999	Time Since Last Inspection 307 Hours	Airframe Total Time 21363 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner SEVENTH HFC LEASING CORP.		Street Address 2700 SANDERS ROAD			
		City PROSPECT HEIGHT	State IL	Zip Code 60070	
Operator of Aircraft ALLEGHENY AIRLINES INC.		Street Address 1000 ROSEDALE AVE.			
		City MIDDLETOWN	State PA	Zip Code 17075	
Operator Does Business As:			Operator Designator Code: PCAA		
- 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					
FACTUAL REPORT - AVIATION					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: NYC00LA007
	Occurrence Date: 10/06/1999
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 52
-----------------	-----------------	------------------	--------------------------	-----------

Sex: M	Seat Occupied: Left	Principal Profession: Civilian Pilot	Certificate Number: On File
--------	---------------------	--------------------------------------	-----------------------------

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?
---	---------------------------------

Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 09/1999
------------------------	--	------------------------------------

- 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	19260	6500								
Pilot In Command(PIC)										
Instructor										
Last 90 Days		280								
Last 30 Days		73								
Last 24 Hours		6								

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? Yes
--------------------	----------------------------	--------------------------	-------------------

Flight Plan/Itinerary

Type of Flight Plan Filed: IFR

Departure Point Same as Accident/Incident Location	State	Airport Identifier PHL	Departure Time 2216	Time Zone EDT
---	-------	---------------------------	------------------------	------------------

Destination ALLENTOWN	State PA	Airport Identifier ABE	
--------------------------	-------------	---------------------------	--


Type of Clearance: IFR

Type of Airspace: Class B

Weather Information

Source of Briefing:
Company

Method of Briefing:

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: NYC00LA007
	Occurrence Date: 10/06/1999
	Occurrence Type: Accident

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
PHL	2254	EDT	22 Ft. MSL	180 NM	5 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			6500 Ft. AGL	Condition of Light: Night/Dark	
Lowest Ceiling: None		0 Ft. AGL		Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: 12 °C	Dew Point: 4 °C	Wind Direction: 10		Density Altitude: Ft.	
Wind Speed: 10	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: Substantial	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				1	1
Other Crew					
Passengers				12	12
- TOTAL ABOARD -				15	15
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	15	15

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: NYC00LA007

Occurrence Date: 10/06/1999

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

ROBERT J. GRETZ

Additional Persons Participating in This Accident/Incident Investigation:

STEVEN HUDAK
FAA FSDO-05
ALLENTOWN, PA