
Wing strike on ground during landing, Boeing 727-100, February 14, 2002

Micro-summary: This Boeing 727-100's right wing dragged on the ground during landing.

Event Date: 2002-02-14 at 1400 AST


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


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


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		NTSB ID: ANC02LA015		Aircraft Registration Number: N190AJ	
		Occurrence Date: 02/14/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Kotzebue		State AK	Zip Code 99752	Local Time 1400	Time Zone AST
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Boeing		Model/Series 727-100		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 February 14, 2002, about 1400 Alaska standard time, a Boeing 727-100 airplane, N190AJ, sustained substantial damage during an approach to landing at the Ralph Wien Memorial Airport, Kotzebue, Alaska. The airplane was being operated as an instrument flight rules (IFR) cargo flight under Title 14, CFR Part 121, when the accident occurred. The airplane was operated by Northern Air Cargo, Inc., Anchorage, Alaska, as Flight 20. The airline transport certificated pilot, and the three other crewmembers were not injured. Visual meteorological conditions prevailed, and an instrument flight rules (IFR) flight plan was filed. The flight originated at the Fairbanks Airport, Fairbanks, Alaska.</p> <p>During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC), on February 15, 2002, and a subsequent meeting on February 19, 2002, the director of operations for the operator said that the pilot was making a visual approach. He said that the pilot overshot the centerline of the runway while making the left turn from the base leg to the final segment of the approach. On the final segment of the approach, the pilot made a left, and then a right turn, attempting to realign the airplane with the centerline. During the right turn, the right wing struck the snow-covered ground. The pilot landed the airplane without further incident.</p> <p>During a meeting with the operator's director of maintenance on February 19, 2002, the director of maintenance said the right wing's outboard leading-edge slat was replaced because of the damage received in the accident, and the right wingtip was repaired. No other portions of the airplane were damaged. He said there were no known mechanical problems with the airplane prior to the accident.</p> <p>In a written statement, the pilot said he was executing the Vor Dme 2 Rwy 26 approach when he received information from Kotzebue radio that the winds favored runway 8. He told the co-pilot to tell Kotzebue radio they would circle and land on runway 8. The pilot wrote, "on the turn to final, I overshot the centerline of the runway and started correcting to the centerline." He said he was still "slightly correcting to centerline," when his "right wing dipped causing the right main to touch first." He said he was not aware of the wing dragging or the damage, until the flight engineer did a visual inspection of the airplane prior to departure.</p> <p>In a written statement, the first officer said "... upon rollout of 180 degree turn to runway 8. Yukon 20 was positioned outward from the visual centerline of runway 8 and continued toward runway 8 at an approximate 20-30 degree intercept, 060 to 050 heading. Upon approaching touchdown right wingtip struck ice, snow or combination of both at touchdown."</p>					
FACTUAL REPORT - AVIATION					
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 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ANC02LA015			
		Occurrence Date: 02/14/2002			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
Ralph Wien Memorial	OTZ	11 Ft. MSL	08	5900	150
Runway Surface Type: Asphalt					
Runway Surface Condition: Snow--dry					
Type Instrument Approach: Circling; Visual; VOR/TVOR					
VFR Approach/Landing: Traffic Pattern					
Aircraft Information					
Aircraft Manufacturer		Model/Series		Serial Number	
Boeing		727-100		18878	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 5	Certified Max Gross Wt.	170000 LBS	Number of Engines: 3	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Turbo Fan	P&W	JT8D-7B	14500 LBS		
- Aircraft Inspection Information					
Type of Last Inspection		Date of Last Inspection	Time Since Last Inspection	Airframe Total Time	
Continuous Airworthiness		02/2002	41 Hours	74093 Hours	
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? No	ELT Operated? No	ELT Aided in Locating Accident Site? No			
Owner/Operator Information					
Registered Aircraft Owner		Street Address			
NORTHERN AIR CARGO INC		3900 W. International Airport Rd.			
		City	State	Zip Code	
		Anchorage	AK	99502	
Operator of Aircraft		Street Address			
Same as Reg'd Aircraft Owner		Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As: Northern Air Cargo Inc.			Operator Designator Code: NACA		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s): Flag Carrier/Domestic; Supplemental					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 121: Air Carrier					
Type of Flight Operation Conducted: Non-scheduled; Domestic; Cargo					
FACTUAL REPORT - AVIATION					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: ANC02LA015
	Occurrence Date: 02/14/2002
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 48
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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; Flight Instructor; Flight Engineer

Airplane Rating(s): Multi-engine Land; Single-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Single-engine

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review? 08/2001
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 12/2001
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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	10018	1848								
Pilot In Command(PIC)										
Instructor										
Last 90 Days	150	187								
Last 30 Days		51								
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 Fairbanks	State AK	Airport Identifier PAFA	Departure Time	Time Zone DT
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Destination Same as Accident/Incident Location	State	Airport Identifier PAOT	
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Type of Clearance: IFR

Type of Airspace: Class E

Weather Information

Source of Briefing: Company; Flight Service Station

Method of Briefing: Telephone

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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation Ft. MSL	WOF Distance From Accident Site NM	Direction From Accident Site Deg. Mag.
Sky/Lowest Cloud Condition:			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Overcast		2100 Ft. AGL		Visibility: 3 SM	Altimeter: 29.27 "Hg
Temperature: -14 °C	Dew Point: -16 °C	Wind Direction: 10		Density Altitude: Ft.	
Wind Speed: 15	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV) SM	Intensity of Precipitation: Light			
Restrictions to Visibility: Blowing Snow					
Type of Precipitation: Snow					

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				1	1
Cabin Attendants					
Other Crew				1	1
Passengers					
- TOTAL ABOARD -				4	4
Other Ground					
- GRAND TOTAL -				4	4

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: ANC02LA015

Occurrence Date: 02/14/2002

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Lawrence R. Lewis

Additional Persons Participating in This Accident/Incident Investigation:

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Fairbanks, AK 99709