
Near-miss, Boeing 737 and Cessna 185, Juneau, Alaska, July 1, 1994

Micro-summary: This Boeing 737 encountered a near-miss with a Cessna 185


Event Date: 1994-07-01 at 1900 ADT


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


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

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		NTSB ID: ANC94IA075A		Aircraft Registration Number: N769AS	
		Occurrence Date: 07/01/1994		Most Critical Injury: None	
		Occurrence Type: Incident		Investigated By: NTSB	
Location/Time					
Nearest City/Place JUNEAU		State AK	Zip Code 99801	Local Time 1900	Time Zone ADT
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility: 3		Direction From Airport: 90	
Aircraft Information Summary					
Aircraft Manufacturer BOEING		Model/Series 737-400		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 July 1, 1994, at 1659 Alaska daylight time, a Boeing 737-400, N769AS, operating as Alaska Airlines flight 77, was involved in a near-midair-collision (NMAC) with a float equipped Cessna 185 airplane, N1470Q, within the Juneau, Alaska, class D airspace (airport traffic area and control zone). Alaska flight 77 was operating under 14 CFR 121, as a scheduled domestic air carrier arriving from Gustavus, Alaska, and N1470Q was operating under 14 CFR Part 91 as a personal flight to Ketchikan from Juneau. Both aircraft were on a VFR flight plan in visual meteorological conditions and were in contact with the Juneau Air Traffic Control Tower. The Boeing was reportedly in an approach turn to final and the Cessna was on a downwind departure. Alaska flight 77 reportedly had five crewmembers and fifty-six passengers on board. The Cessna had a private pilot and a passenger on board. There were no reported injuries and no reported aircraft damage.</p> <p>Both pilots reported a "near miss" condition had occurred and estimated the distance to be 30 to 50 foot separation, at approximately 800 foot (agl). The captain of the Boeing reported that he took evasive action by employing "max nose up and full power." The private pilot reported that the Boeing passed in front of him at a distance of 50 feet and did not take evasive action.</p> <p>Refer to the Operations Group and Air Traffic Group Chairmans' Factual Reports attached.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ANC94IA075A			
		Occurrence Date: 07/01/1994			
		Occurrence Type: Incident			
Landing Facility/Approach Information					
Airport Name JUNEAU INTL	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: Traffic Pattern					
Aircraft Information					
Aircraft Manufacturer BOEING		Model/Series 737-400		Serial Number	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 0	Certified Max Gross Wt.	131900 LBS	Number of Engines: 2	
Engine Type: Turbo Fan	Engine Manufacturer: GE	Model/Series: CFM56-3B-2	Rated Power:		
- Aircraft Inspection Information					
Type of Last Inspection Continuous Airworthiness	Date of Last Inspection	Time Since Last Inspection Hours	Airframe Total Time Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?	ELT Operated?	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner ALASKA AIRLINES		Street Address P. O. BOX 68900			
		City SEATTLE	State WA	Zip Code 98168	
Operator of Aircraft ALASKA AIRLINES, INC		Street Address P.O. BOX 68900			
		City SEATTLE	State WA	Zip Code 98168	
Operator Does Business As: ALASKA AIRLINES			Operator Designator Code: ASAA		
- 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/Cargo					
FACTUAL REPORT - AVIATION					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: ANC94IA075A
	Occurrence Date: 07/01/1994
	Occurrence Type: Incident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 45
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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:

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Instrument Airplane

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review?
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Medical Cert.: Class 1	Medical Cert. Status: Unknown	Date of Last Medical Exam: 07/1994
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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	15763	5738		15763						
Pilot In Command(PIC)	10000	3000		10000						
Instructor										
Last 90 Days	136	136		136						
Last 30 Days										
Last 24 Hours	2	2		2						

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: VFR

Departure Point GUSTAVUS	State AK	Airport Identifier GST	Departure Time 1840	Time Zone ADT
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Destination Same as Accident/Incident Location	State	Airport Identifier	
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Type of Clearance: VFR

Type of Airspace: Class D

Weather Information

Source of Briefing:
Flight Service Station; PATWAS


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
JNU	1845	ADT	10 Ft. MSL	3 NM	90 Deg. Mag.
Sky/Lowest Cloud Condition: Thin Broken			0 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Broken		8000 Ft. AGL		Visibility: 30 SM	Altimeter: 29.00 "Hg
Temperature: 19 °C	Dew Point: 7 °C	Wind Direction: 330		Density Altitude: Ft.	
Wind Speed: 8	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: None	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				56	56
- TOTAL ABOARD -				61	61
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	61	61

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Administrative Information

Investigator-In-Charge (IIC)
DOUGLAS R. HERLIHY

Additional Persons Participating in This Accident/Incident Investigation:

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