



National Transportation Safety Board Aviation Accident Final Report

Location:	WILLARD, WA	Accident Number:	SEA83FA038
Date & Time:	01/03/1983, 1818 PST	Registration:	N6087C
Aircraft:	CESSNA T303	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	5 Fatal
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

BEFORE TAKEOFF, THE PLT RECEIVED A WX BRIEFING & FILED AN IFR FLT PLAN TO IDAHO FALLS, ID AT 1300 FT. HE TOOK OFF AT 1804 PST. AT 1814 PST, JUST PRIOR TO CALLING LEVEL AT 13,000 FT, HE REPORTED HE WAS ENCOUNTERING LIGHT TURBULENCE & LIGHT RIME ICE. APRX 4 MIN LATER, THE PLT REPORTED EXPERIENCING HEAVY VIBRATIONS. HE REQUESTED & RECEIVED A CLEARANCE TO RETURN TO PORTLAND & DESCEND TO 7000 FT. SHORTLY AFTER THAT, THE ACFT ENTERED A TIGHT DESCENDING TURN WHICH THE PLT REPORTED HE WAS HAVING DIFFICULTY ARRESTING. HE REPORTED REGAINING DIRECTIONAL CONTROL AT 6000 FT & SAID THE ACFT HAD A HEAVY LOAD OF ICE. SHORTLY THEREAFTER, THE ACFT CRASHED IN MOUNTAINS AT THE 3130 FT LEVEL. DUE TO DAMAGE FROM IMPACT & WRECKAGE RETRIEVAL, THE PREIMPACT CONDITION OF ALL DEICING COMPONENTS WAS NOT VERIFIED. THE ACFT WAS NOT CERTIFIED FOR FLT IN KNOWN ICING CONDITIONS. MODERATE MIXED ICING CONDITION & MODERATE TURBULENCE WERE FORECAST. THE PLT WAS BRIEFED THERE HAD BEEN REPORTS OF MODERATE ICING THRU-OUT THE AREA.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER

Phase of Operation: CLIMB - TO CRUISE

Findings

1. (F) WEATHER CONDITION - TURBULENCE IN CLOUDS
 2. (F) WEATHER CONDITION - ICING CONDITIONS
 3. (C) FLIGHT INTO KNOWN ADVERSE WEATHER - CONTINUED - PILOT IN COMMAND
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: DESCENT

Findings

4. (C) WING - ICE
 5. (C) STABILIZER - ICE
 6. (C) AIRCRAFT PERFORMANCE - DETERIORATED
 7. (C) SPIRAL - UNCONTROLLED - PILOT IN COMMAND
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT

Findings

8. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY
9. (F) TERRAIN CONDITION - HIGH TERRAIN

Factual Information

Pilot Information

Certificate:	Airline Transport	Age:	39, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	02/02/1982
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	7657 hours (Total, all aircraft), 100 hours (Total, this make and model), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N6087C
Model/Series:	T303 T303	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	T30300144
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	5150 lbs
Time Since Last Inspection:	25 Hours	Engines:	2 Reciprocating
Airframe Total Time:	25 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	TSIO-520-AE
Registered Owner:	KEY AIRLINES, INCORPORATED	Rated Power:	250 hp
Operator:	KEY AIRLINES, INCORPORATED	Operating Certificate(s) Held:	On-demand Air Taxi (135)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	DLS, 243 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	1756 PST	Direction from Accident Site:	90°
Lowest Cloud Condition:	Partial Obscuration / 0 ft agl	Visibility	5 Miles
Lowest Ceiling:	Overcast / 1300 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	1° C / 0° C
Precipitation and Obscuration:			
Departure Point:	PORTLAND, OR (PDX)	Type of Flight Plan Filed:	IFR
Destination:	IDAHO FALLS, ID (IDA)	Type of Clearance:	IFR
Departure Time:	0000	Type of Airspace:	Class E

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	4 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	H. D DAILY, JR.	Report Date:	
Additional Participating Persons:			
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).