



# Aviation Investigation Final Report

<b>Location:</b>	LOVELAND, Colorado	<b>Accident Number:</b>	DEN88LA075
<b>Date &amp; Time:</b>	February 21, 1988, 17:00 Local	<b>Registration:</b>	N756EY
<b>Aircraft:</b>	CESSNA 206G	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	6 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

A COMMERCIAL PLT WAS FLYING A GROUP OF PARACHUTISTS FOR A SKYDIVING CLUB. THE AIRCRAFT ENCOUNTERED TURBULENCE DURING A CLIMB TO 4,500 FEET AGL. AS THE SECOND JUMPER WAS EXITING, THE AIRCRAFT DROPPED AND THE PARACHUTIST STRUCK THE HORIZONTAL STABILIZER. THE OUTER FOUR INCHES WERE BENT DOWNWARD AND THE ASSEMBLY WAS PULLED ONE INCH FROM THE FUSELAGE. THE PLT MADE A NORMAL LANDING AND AN INSPECTION REVEALED SOME BULKHEAD DAMAGE IN THE TAIL SECTION. THE PARACHUTIST WAS NOT INJURED.

## 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: CRUISE

Findings  
1. (C) WEATHER CONDITION - TURBULENCE,CLEAR AIR  
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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: CRUISE

Findings

2. (F) OBJECT - OTHER PERSON
3. FLIGHT CONTROL, ELEVATOR SURFACE - BENT
4. PRECAUTIONARY LANDING - PERFORMED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	33, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane; Helicopter	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	December 9, 1987
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	5434 hours (Total, all aircraft), 106 hours (Total, this make and model), 4916 hours (Pilot In Command, all aircraft), 49 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N756EY
<b>Model/Series:</b>	206G 206G	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	U20604043
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	May 1, 1987 Annual	<b>Certified Max Gross Wt.:</b>	3600 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2486 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	TSIO-520-M
<b>Registered Owner:</b>	BLUE SKY ASSETS, INC	<b>Rated Power:</b>	310 Horsepower
<b>Operator:</b>	RICHARD EDDY	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>	BLUE SKY ASSETS, INC	<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	40 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	330°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	7°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	LOVELAND , CO (FNL)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:45 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	5 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	6 None	<b>Latitude, Longitude:</b>	40.359489,-105.179222(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Collins, Robert
<b>Additional Participating Persons:</b>	H O ABBOTT; AURORA , CO
<b>Original Publish Date:</b>	April 25, 1989
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=17452">https://data.nts.gov/Docket?ProjectID=17452</a>

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