



# Aviation Investigation Final Report

<b>Location:</b>	BUFFALO, New York	<b>Accident Number:</b>	NYC86LA110
<b>Date &amp; Time:</b>	April 22, 1986, 01:30 Local	<b>Registration:</b>	N1909G
<b>Aircraft:</b>	CESSNA C-310R	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 135: Air taxi & commuter - Non-scheduled		

## Analysis

THE PILOT OF THE C-310R STATED UPON LANDING FLARE HE HEARD A LOUD NOISE ON THE RIGHT SIDE. HIS SPEED WAS SUCH THAT HE BECAME AIRBORNE AGAIN ON RELANDING RIGHT PROPELLER BLADES STRUCK RUNWAY. AIRCRAFT SUFFERED MAJOR WING AND STRUCTURAL DAMAGE.

## Probable Cause and Findings

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

### Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

#### Findings

1. (C) LEVEL OFF - MISJUDGED - PILOT IN COMMAND
2. (C) FLARE - IMPROPER - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	26, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	December 27, 1985
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2800 hours (Total, all aircraft), 600 hours (Total, this make and model), 2800 hours (Pilot In Command, all aircraft), 270 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N1909G
<b>Model/Series:</b>	C-310R C-310R	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Utility	<b>Serial Number:</b>	310R-1225
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	5
<b>Date/Type of Last Inspection:</b>	June 3, 1985 100 hour	<b>Certified Max Gross Wt.:</b>	5500 lbs
<b>Time Since Last Inspection:</b>	993 Hrs	<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	5988 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-540M
<b>Registered Owner:</b>	FLIGHT GROUP, INC.	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	On-demand air taxi (135)
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Night/dark
<b>Observation Facility, Elevation:</b>	BUF ,724 ft msl	<b>Distance from Accident Site:</b>	70 Nautical Miles
<b>Observation Time:</b>	01:15 Local	<b>Direction from Accident Site:</b>	280°
<b>Lowest Cloud Condition:</b>	Scattered	<b>Visibility</b>	5 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 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>	1°C
<b>Precipitation and Obscuration:</b>	N/A - Blowing - Snow		
<b>Departure Point:</b>	ROCHESTER , NY (ROC )	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	BUFFALO , NY (BUF )	<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class D;Class E

## Airport Information

<b>Airport:</b>	BUFFALO BUF	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	724 ft msl	<b>Runway Surface Condition:</b>	Snow
<b>Runway Used:</b>	32	<b>IFR Approach:</b>	VOR
<b>Runway Length/Width:</b>	5376 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	

## Administrative Information

**Investigator In Charge (IIC):** Ghiorso, Frank

**Additional Participating Persons:**

**Original Publish Date:** April 25, 1988

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=30326>

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