



# Aviation Investigation Final Report

<b>Location:</b>	CANTON, Mississippi	<b>Accident Number:</b>	MIA89LA215
<b>Date &amp; Time:</b>	August 5, 1989, 16:30 Local	<b>Registration:</b>	N21895
<b>Aircraft:</b>	CESSNA 188	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

THE PLT RPRTD THAT WHILE TAKING OFF (NORTH), THE ACFT ROLLED ABOUT 400 TO 500 FT, THEN ENCOUNTERED A GUST OF WIND & VEERED LEFT. SUBSEQUENTLY, IT COLLIDED WITH AN UNOCCUPIED ACFT THAT WAS PARKED ABOUT 50 FT FROM THE EDGE OF THE RWY. AT THAT TIME, A THUNDERSTORM CELL WAS LOCATED NEARBY. THE PLT ESTIMATED THE WIND WAS FROM 260 DEG A 15 GUSTING 18 KTS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S ATTEMPTED FLIGHT IN KNOWN ADVERSE WEATHER CONDITIONS. FACTORS RELATED TO THE ACCIDENT WERE: ADVERSE WEATHER CONDITIONS AND THE PRESENCE OF THE PARKED AIRCRAFT NEAR THE RUNWAY.

## Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH WEATHER  
Phase of Operation: TAKEOFF - ROLL/RUN

### Findings

1. (C) FLIGHT INTO KNOWN ADVERSE WEATHER - INITIATED - PILOT IN COMMAND
2. (F) WEATHER CONDITION - THUNDERSTORM
3. (F) WEATHER CONDITION - CROSSWIND
4. (F) WEATHER CONDITION - GUSTS

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Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

- 5. DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
- 6. GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: TAKEOFF

Findings

- 7. (F) OBJECT - AIRCRAFT PARKED/STANDING

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	35, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<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--no waivers/lim.	<b>Last FAA Medical Exam:</b>	March 14, 1989
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	7100 hours (Total, all aircraft), 1000 hours (Total, this make and model), 400 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N21895
<b>Model/Series:</b>	188 188	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	18801106
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	3300 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-520-D
<b>Registered Owner:</b>		<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	COCHRAN FLYING SERVICE	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	QCFG

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	JAN ,244 ft msl	<b>Distance from Accident Site:</b>	18 Nautical Miles
<b>Observation Time:</b>	15:50 Local	<b>Direction from Accident Site:</b>	215°
<b>Lowest Cloud Condition:</b>	Scattered / 4500 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Broken / 7000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	260°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	-18°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	Macadam
<b>Airport Elevation:</b>	385 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3000 ft / 24 ft	<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>		<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>	32.609996,-90.029235(est)

## Administrative Information

**Investigator In Charge (IIC):** Bird, Ronald

**Additional Participating Persons:**

**Original Publish Date:** June 28, 1991

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=32475>

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