



# National Transportation Safety Board Aviation Accident Final Report

<b>Location:</b>	MONROE, LA	<b>Accident Number:</b>	FTW88MA047
<b>Date &amp; Time:</b>	01/08/1988, 0519 CST	<b>Registration:</b>	N79SF
<b>Aircraft:</b>	GATES LEARJET 36A	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	2 Fatal
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Analysis

THE CREW WAS EXECUTING THE ILS APPROACH AND HAD TURNED BACK INBOUND ON THE PROCEDURE TURN TO THE OUTER MARKER WHEN THE CO-PILOT STATED THEY WERE 5.9 DME IN A CALM VOICE WITH NO INDICATION OF A PROBLEM. IMPACT WITH THE GROUND OCCURRED AT ABOUT 5.9 DME, APPROXIMATELY 10 STATUTE MILES FROM THE AIRPORT, WHILE THE AIRCRAFT WAS IN A SLIGHT NOSEUP, SLIGHT RIGHT WING DOWN ATTITUDE, WITH A HIGH VERTICAL RATE OF DESCENT, AND A HIGH FORWARD SPEED. THE AIRCRAFT WAS DEMOLISHED. NO EVIDENCE OF A PRE-IMPACT FAILURE OR MALFUNCTION OF THE AIRCRAFT OR ITS SYSTEMS COULD BE FOUND. THE COPILOT WAS NOT RATED IN THE AIRCRAFT AND HAD LOGGED A TOTAL OF 7.9 HOURS OF JET TIME IN HIS PERSONAL LOGBOOK.

## Probable Cause and Findings

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

## Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: APPROACH - IAF TO FAF/OUTER MARKER (IFR)

### Findings

1. (C) DESCENT - EXCESSIVE - PILOT IN COMMAND
2. (F) INATTENTIVE - PILOT IN COMMAND
3. (C) LEVEL OFF - NOT PERFORMED - PILOT IN COMMAND
4. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - COPILOT/SECOND PILOT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor	<b>Age:</b>	32, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-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>	Yes
<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last Medical Exam:</b>	07/06/1987
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	3355 hours (Total, all aircraft), 528 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	GATES LEARJET	<b>Registration:</b>	N79SF
<b>Model/Series:</b>	36A 36A	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Transport	<b>Serial Number:</b>	041
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	12/26/1987, Continuous Airworthiness	<b>Certified Max Gross Wt.:</b>	18000 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Turbo Fan
<b>Airframe Total Time:</b>	3039 Hours	<b>Engine Manufacturer:</b>	GARRETT
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	TFE-731-2-2B
<b>Registered Owner:</b>	PHOENIX AIR	<b>Rated Power:</b>	3500 lbs
<b>Operator:</b>	PHOENIX AIR	<b>Air Carrier Operating Certificate:</b>	On-demand Air Taxi (135)

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	MLU, 79 ft msl	Observation Time:	0552 CST
Distance from Accident Site:	9 Nautical Miles	Direction from Accident Site:	45°
Lowest Cloud Condition:	Unknown / 0 ft agl	Temperature/Dew Point:	-4° C / -8° C
Lowest Ceiling:	Overcast / 1000 ft agl	Visibility	7 Miles
Wind Speed/Gusts, Direction:	5 knots, 20°	Visibility (RVR):	0 ft
Altimeter Setting:	30 inches Hg	Visibility (RVV):	0 Miles
Precipitation and Obscuration:			
Departure Point:	MEMPHIS, TN (MEM)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	0432 CST	Type of Airspace:	Class E

## Airport Information

Airport:	MONROE REG. (MLU)	Runway Surface Type:	Asphalt; Concrete
Airport Elevation:	79 ft	Runway Surface Condition:	Ice
Runway Used:	4	IFR Approach:	ILS
Runway Length/Width:	7507 ft / 150 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	2 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	ARMOND V EDWARDS	Adopted Date:	12/29/1989
Additional Participating Persons:	JEAN PYATT; WASHINGTON, DC JOHN ABEL; BATON ROUGE, LA MYRON HIRANO; WICHITA, KS LARRY JONES		
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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