



# Aviation Investigation Final Report

<b>Location:</b>	CHARLESTON, South Carolina	<b>Incident Number:</b>	ATL85IA263
<b>Date &amp; Time:</b>	August 29, 1985, 15:30 Local	<b>Registration:</b>	N8832E
<b>Aircraft:</b>	BOEING 727-225	<b>Aircraft Damage:</b>	None
<b>Defining Event:</b>		<b>Injuries:</b>	7 Minor, 118 None
<b>Flight Conducted Under:</b>	Part 121: Air carrier - Scheduled		

## Analysis

THE FLIGHT WAS LEVEL AT 330 WHEN IT ENCOUNTERED TURBULANCE AND THE AIRCRAFT MOVED AN ESTIMATED 200 FEET DOWN THEN UP BEFORE THE CREW COULD REGAIN ALTITUDE CONTROL. TWO FLIGHT ATTENDENTS AND SEVERAL PASSENGERS INITIALLY COMPLAINED OF INJURIES. NO DOCUMENTATION OF THESE INJURIES HAS BEEN RECEIVED. THE AIRCRAFT WAS INSPECTED AND RELEASED.

## Probable Cause and Findings

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

### Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER  
Phase of Operation: CRUISE - NORMAL

#### Findings

1. WEATHER CONDITION - TURBULENCE IN CLOUDS
2. (C) COMMUNICATIONS - NOT USED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport	<b>Age:</b>	Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Unknown Unknown	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>			

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BOEING	<b>Registration:</b>	N8832E
<b>Model/Series:</b>	727-225 727-225	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	20151
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	134
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	142000 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	3 Turbo fan
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	P&W
<b>ELT:</b>		<b>Engine Model/Series:</b>	JT8D-9
<b>Registered Owner:</b>	EASTERN AIRLINES	<b>Rated Power:</b>	14500 Lbs thrust
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	Flag carrier (121)
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	EAIA

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Instrument (IMC)	<b>Condition of Light:</b>	Not reported
<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>	Unknown	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	ORLANDO , FL (MCO )	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	PHILADELPHIA , PA (PHL )	<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class E

## 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>	
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 Minor, 6 None	<b>Aircraft Damage:</b>	None
<b>Passenger Injuries:</b>	5 Minor, 112 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	7 Minor, 118 None	<b>Latitude, Longitude:</b>	32.779159,-79.930175(est)

## Administrative Information

**Investigator In Charge (IIC):** Fouts, Charles

**Additional Participating Persons:** DAVE ANDERSON;

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=6680>

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