



National Transportation Safety Board Aviation Accident Data Summary

Location:	AGUADILLA, PR	Accident Number:	MIA93FA198
Date & Time:	09/19/1993, 1615 AST	Registration:	N104F
Aircraft:	SOCATA TB 10	Injuries:	3 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

A PREFLIGHT WEATHER BRIEFING WAS NOT OBTAINED BEFORE DEPARTURE. THUNDERSTORMS WITH HEAVY RAIN SHOWERS WERE FORECAST. DURING THE FLIGHT AN INDIVIDUAL IN THE AIRPLANE REQUESTED WEATHER ADVISORIES FROM THE UNICOM OPERATOR WHO ADVISED THE CREW OF A THUNDERSTORM NEAR THE AIRPORT. THE FLIGHT PROCEEDED TOWARD THE THUNDERSTORM ACCORDING TO WITNESSES BUT THERE WERE NO WITNESSES TO THE ACCIDENT. THE AIRPLANE MINUS THE RIGHT WING WAS RECOVERED. EXAMINATION OF THE AIRPLANE REVEALED THAT THE LEFT WING SEPARATED NEAR THE WING ROOT AND ABOUT 20 INCHES OUTBOARD OF THE OUTBOARD FUEL SENSOR DUE TO OVERLOAD. THE RIGHT WING FAILED NEAR THE WING ROOT DUE TO OVERLOAD. EXAMINATION OF THE FLIGHT CONTROLS REVEALED NO EVIDENCE OF PRE-IMPACT FAILURE OR MALFUNCTION. EXAMINATION OF THE ENGINE ASSEMBLY MINUS THE MAGNETOS, AND FUEL PUMP HOUSING REVEALED NO EVIDENCE OF PRE-IMPACT FAILURE OR MALFUNCTION. NO OCCUPANT HAD AN INSTRUMENT RATING. NO DETERMINATION COULD BE MADE AS TO WHO WAS FLYING THE AIRPLANE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IN FLIGHT ENCOUNTER WITH A LEVEL II THUNDERSTORM AND FLIGHT INTO KNOWN ADVESE WEATHER BY THE PILOT IN COMMAND. CONTRIBUTING TO THE ACCIDENT WAS FAILURE OF THE PILOT IN COMMAND TO OBTAIN A PREFLIGHT WEATHER BRIEFING.

Findings

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

Findings

1. (C) WEATHER CONDITION - THUNDERSTORM, LEVEL II
 2. (F) PREFLIGHT BRIEFING SERVICE - NOT USED - PILOT IN COMMAND
 3. WEATHER OBSERVATION - ISSUED - AIRPORT PERSONNEL
 4. (C) FLIGHT INTO KNOWN ADVERSE WEATHER - ATTEMPTED - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT

Findings

5. TERRAIN CONDITION - WATER

Pilot Information

Certificate:	Private	Age:	50
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	143 hours (Total, all aircraft), 20 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	SOCATA	Registration:	N104F
Model/Series:	TB 10 TB 10	Engines:	1 Reciprocating
Operator:	LOPEZ, EFRAIN	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A1AD
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BQN, 238 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 4000 ft agl	Wind Speed/Gusts, Direction:	10 knots / , 360°
Temperature:	27° C	Visibility	12 Miles
Precipitation and Obscuration:			
Departure Point:	MAYAGUEZ, PR (MJMZ)	Destination:	SAN JUAN, PR (SIG)

Airport Information

Airport:	RAFAEL HERNANDEZ (BQN)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): TIMOTHY W MONVILLE

Adopted Date: 09/13/1994

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 pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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