



National Transportation Safety Board Aviation Accident Final Report

Location:	BOSTON, MA	Accident Number:	NYC84FA227
Date & Time:	06/30/1984, 0820 EDT	Registration:	N120PB
Aircraft:	CESSNA 402C	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 1 Serious
Flight Conducted Under:	Part 91: General Aviation - Positioning		

Analysis

DURING ARRIVAL, THE FLT WAS CLEARED FOR AN ILS/DME APCH TO RWY 27. WHILE ON THE APCH, THE ACFT CRASHED IN THE OCEAN ABOUT 2.7 MI EAST OF THE RWY THRESHOLD. THE PLT REPORTED THAT HE WAS MAKING THE APCH, USING INSTRUMENTS, & LANDED SHORT FOR UNKNOWN REASONS. HE RECEIVED A SERIOUS HEAD INJURY, BUT WAS RESCUED BY FISHERMEN WHO HEARD THE ACFT CRASH AND WENT TO WHERE THEY HEARD THE VOICES OF THE VICTIMS IN THE FOG. THE 0835 WX AT BOSTON WAS IN PART: PARTIAL OBSCURATION, 25,000 FT OVERCAST, 4 MI VISIBILITY WITH FOG & HAZE, WIND FROM 140 DEG AT 7 KTS. OTHER PLTS REPORTED LOW CEILINGS & A FOG BANK IN THE VICINITY OF THE CRASH SITE.

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 - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. (F) WEATHER CONDITION - LOW CEILING
2. (F) WEATHER CONDITION - FOG
3. (F) WEATHER CONDITION - HAZE/SMOKE
4. (C) IFR PROCEDURE - IMPROPER - PILOT IN COMMAND
5. (C) DECISION HEIGHT - NOT IDENTIFIED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport	Age:	41, Male
Airplane Rating(s):	Multi-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	05/10/1984
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	3336 hours (Total, all aircraft), 1979 hours (Pilot In Command, all aircraft), 130 hours (Last 90 days, all aircraft), 56 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N120PB
Model/Series:	402C 402C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	402C0473
Landing Gear Type:	Retractable - Tricycle	Seats:	10
Date/Type of Last Inspection:	06/12/1984, AAIP	Certified Max Gross Wt.:	6350 lbs
Time Since Last Inspection:	43 Hours	Engines:	2 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	TSIO-520-VB
Registered Owner:	PROVINCETOWN BOSTON AIRLINE	Rated Power:	325 hp
Operator:	PROVINCETOWN BOSTON AIRLINE	Operating Certificate(s) Held:	Commuter Air Carrier (135)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BOS, 20 ft msl	Distance from Accident Site:	3 Nautical Miles
Observation Time:	0820 EDT	Direction from Accident Site:	270°
Lowest Cloud Condition:	Partial Obscuration / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	Unknown / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	140°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	20° C / 19° C
Precipitation and Obscuration:			
Departure Point:	PROVINCETOWN, MA (PVC)	Type of Flight Plan Filed:	IFR
Destination:	BOSTON, MA (BOS)	Type of Clearance:	IFR
Departure Time:	0000	Type of Airspace:	Class E

Airport Information

Airport:	GENERAL EDWARD LAWRENCE (BOS)	Runway Surface Type:	Asphalt
Airport Elevation:	20 ft	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	ILS
Runway Length/Width:	7000 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	CHAUNCEY D TWINE, JR.	Report Date:	
Additional Participating Persons:	ALAN C NEMCIK; BEDFORD, MA T. F HARRIS; BEDFORD, MA DALE CARTER; BEDROD, MA		
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 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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