



National Transportation Safety Board Aviation Accident Final Report

Location:	WINTER HAVEN, FL	Accident Number:	MIA83FA074
Date & Time:	02/13/1983, 1445 EST	Registration:	N81416
Aircraft:	Rockwell 690A	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal, 1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE ACFT CRASHED INTO A DITCH OFF THE DEPARTURE END OF THE RWY AND BURST INTO FLAMES DURING TAKEOFF. WITNESSES SAID THE ACFT DID NOT SOUND LIKE IT WAS DEVELOPING NORMAL RPM FOR TAKEOFF. ONE MECHANIC SAID THE ENGINES SOUNDED LIKE THEY WERE STILL IN GROUND IDLE POSITION. THE SURVIVING PASSENGER SAID THEY DIDN'T GET ENOUGH SPEED TO TAKEOFF BUT HE DID NOT SUSPECT ANY ENGINE PROBLEMS. ANOTHER GROUND WITNESS SAID IT SOUNDED LIKE THE PROPELLERS WERE IN VERY HIGH OR CRUISE PITCH. AFTER THE ACCIDENT BOTH PROPELLERS WERE AT OR NEAR THE FEATHER POSITION. TOXICOLOGY STUDIES ON THE PILOT SHOWED HIS BLOOD ALCOHOL LEVEL WAS 0.22%. HE ALSO HAD CIRRHOSIS OF THE LIVER.

Probable Cause and Findings

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

Findings

Occurrence #1: OVERRUN

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) POWERPLANT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
2. (C) ABORTED TAKEOFF - NOT PERFORMED - PILOT IN COMMAND
3. (C) IMPAIRMENT(ALCOHOL) - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

4. TERRAIN CONDITION - DITCH

Factual Information

Pilot Information

Certificate:	Airline Transport	Age:	37, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	01/31/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	11450 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Rockwell	Registration:	N81416
Model/Series:	690A 690A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	11306
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	10250 lbs
Time Since Last Inspection:		Engines:	2 Turbo Prop
Airframe Total Time:	3400 Hours	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE331-5-251K
Registered Owner:	ALLEN N. TRASK	Rated Power:	718 hp
Operator:	CHARLES D. HOWELL	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	LAL, 142 ft msl	Distance from Accident Site:	14 Nautical Miles
Observation Time:	1450 EST	Direction from Accident Site:	250°
Lowest Cloud Condition:	Unknown / 500 ft agl	Visibility	4 Miles
Lowest Ceiling:	Overcast / 500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	17° C / 15° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	ARUBA,N.ANTILLE (MACA)	Type of Clearance:	IFR
Departure Time:	1145 EST	Type of Airspace:	Class D

Airport Information

Airport:	GILBERT (GIF)	Runway Surface Type:	Asphalt
Airport Elevation:	146 ft	Runway Surface Condition:	Wet
Runway Used:	4	IFR Approach:	None
Runway Length/Width:	4000 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	THOMAS W WATSON	Report Date:	
Additional Participating Persons:			
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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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).