



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	PROVO, UT	<b>Accident Number:</b>	DEN85FA035
<b>Date &amp; Time:</b>	12/01/1984, 1830 MST	<b>Registration:</b>	N8580S
<b>Aircraft:</b>	CESSNA 182H	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	2 Fatal

**Flight Conducted Under:** Part 91: General Aviation - Instructional

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## Analysis

THE LEFT SEAT NON-INSTRUMENT PVT PLT WAS BEING CHECKED OUT IN THE FLYING CLUB ACFT BY A COMM PLT. THE ACFT WAS BEING FLOWN OVER UTAH LAKE ON A DARK NIGHT, ON FINAL APPROACH TO RUNWAY 31 AT THE PVU ARPT. WHILE ON FINAL, THE FLYING PLT MANUEVERED THE ACFT FOR SPACING FROM A SECOND ACFT. A WITNESS SAW TWO ACFT OVER THE LAKE. ONE AIRCRAFT WAS TURNING TOWARDS THE AIRPORT WHEN IT WENT STRAIGHT DOWN. POST ACCIDENT EXAM REVEALED ACFT CONTACTED THE WATER IN A LEFT WING, NOSE LOW ATTITUDE. THE SURROUNDING TERRAIN TO THE NORTHWEST WEST AND SOUTH PROVIDE NO SIGNIFICANT LIGHTING THAT COULD BE USED FOR VISUAL HORIZON REFERENCE.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: MANEUVERING

### Findings

1. (F) LIGHT CONDITION - DARK NIGHT
2. (C) PROPER ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND
3. (F) VISUAL/AURAL PERCEPTION - PILOT IN COMMAND
4. (F) SPATIAL DISORIENTATION - PILOT IN COMMAND
5. (F) DIVERTED ATTENTION - CHECK PILOT

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

### Findings

6. TERRAIN CONDITION - WATER, GLASSY

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	49, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	09/24/1984
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>			

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N8580S
<b>Model/Series:</b>	182H 182H	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18256680
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-470-R
<b>Registered Owner:</b>	PROVO SQUADRON PILOTS CLUB	<b>Rated Power:</b>	230 hp
<b>Operator:</b>	PROVO SQUADRON PILOTS CLUB	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	PVU, 4490 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1820 MST	Direction from Accident Site:	310°
Lowest Cloud Condition:	Scattered / 6000 ft agl	Visibility	35 Miles
Lowest Ceiling:	Broken / 9000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	320°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	2° C
Precipitation and Obscuration:			
Departure Point:	PROVO, UT	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	Class G

## Airport Information

Airport:	PROVO MUNICIPAL (PVU)	Runway Surface Type:	Asphalt
Airport Elevation:	4490 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	7094 ft / 150 ft	VFR Approach/Landing:	

## 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):	GREGORY A FEITH	Report Date:	
Additional Participating Persons:	GARY GOMES; SALT LAKE CITY, UT RICK TRUDELL; SALT LAKE CITY, UT		
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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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](#).