



National Transportation Safety Board Aviation Accident Data Summary

Location:	MARION, IN	Accident Number:	CHI87LA145
Date & Time:	06/02/1987, 1900 EST	Registration:	N2180R
Aircraft:	PIPER PA-28-180	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

AS THE STUDENT PLT WAS MAKING A X-WIND TAKEOFF ON A DUAL INSTRUCTIONAL FLT, THE INSTRUCTOR (CFI) REDUCED THE POWER AT ABOUT 15 FT AGL TO SIMULATE AN ENG FAILURE. THE STUDENT REACTED BY RAISING THE NOSE OF THE ACFT, BUT THE INSTRUCTOR CORRECTED THIS BY LOWERING THE NOSE. HOWEVER, DRG THE ABORTED TAKEOFF, THE STUDENT TURNED THE ACFT INTO THE X-WIND. SUBSEQUENTLY, IT VEERED OFF THE RGT SIDE OF THE RWY & STRUCK A RWY LIGHT.

Probable Cause

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF

Findings

1. EMERGENCY PROCEDURE - SIMULATED - PILOT IN COMMAND(CFI)
2. ABORTED TAKEOFF - PERFORMED
3. (F) FLARE - IMPROPER - DUAL STUDENT
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - DUAL STUDENT
5. (C) GROUND LOOP/SWERVE - INADVERTENT - DUAL STUDENT
6. (C) SUPERVISION - IMPROPER - PILOT IN COMMAND(CFI)

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF

Findings

7. (F) OBJECT - RUNWAY LIGHT

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	41
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	1968 hours (Total, all aircraft), 320 hours (Total, this make and model), 1822 hours (Pilot In Command, all aircraft), 21 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N2180R
Model/Series:	PA-28-180 PA-28-180	Engines:	1 Reciprocating
Operator:	BLUE WANDERERS, INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A4A
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	IND, 0 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 9000 ft agl	Wind Speed/Gusts, Direction:	9 knots / , 340°
Temperature:	20° C	Visibility	5 Miles
Precipitation and Obscuration:			
Departure Point:	(MZZ)	Destination:	

Airport Information

Airport:	MARION (MZZ)	Runway Surface Type:	Asphalt
Runway Used:	22	Runway Surface Condition:	Dry
Runway Length/Width:	5200 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): AMY C CARMEN Adopted Date: 10/25/1988

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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