



National Transportation Safety Board Aviation Accident Data Summary

Location:	Sioux Falls, SD	Accident Number:	CHI01LA060
Date & Time:	01/04/2001, 1046 CST	Registration:	N727SP
Aircraft:	Cessna 172S	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot lost directional control of the aircraft during a takeoff run while practicing solo touch-and-go landings. The pilot stated that after a successful landing he initiated a takeoff and, "as I added power the airplane seemed to shimmy at which time I tried to correct the plane. As I was unable to correct I powered back to idle and tried to stop which is when the plane went off the left side of the runway and hit a windrow of snow." The pilot reported, "Hitting the snow made the planes [plane's] tail lift and spin around which made the right wing hit the ground causing damage." The pilot stated that his total time in all aircraft was 24.1-hours and all hours were flown in the accident airplane make and model. The pilot reported that he had accumulated 1.4-hours of pilot-in-command time.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Aircraft directional control not being maintained by the student pilot during the takeoff roll. Factors to the accident were the snow bank and the student pilot's lack of total experience.

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. (F) TERRAIN CONDITION - SNOWBANK

Pilot Information

Certificate:	Student	Age:	25
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	24 hours (Total, all aircraft), 24 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 24 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N727SP
Model/Series:	172S	Engines:	1 Reciprocating
Operator:	Daedalus Inc.	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-360-L2A
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:	FSD, 1429 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	4 knots / , 230°
Temperature:	0° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	SIOUX FALLS, SD (FSD)	Destination:	Sioux Falls, SD (FSD)

Airport Information

Airport:	JOE FOSS FIELD (FSD)	Runway Surface Type:	Asphalt
Runway Used:	33	Runway Surface Condition:	Ice
Runway Length/Width:	6670 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	1 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): Andrew T Fox

Adopted Date: 10/09/2001

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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