



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Soldotna, AK	<b>Accident Number:</b>	ANC14CA026
<b>Date &amp; Time:</b>	05/02/2014, 1745 AKD	<b>Registration:</b>	N3469C
<b>Aircraft:</b>	CESSNA 170B	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The student pilot was practicing solo takeoff and landings in a tailwheel-equipped airplane on a dry, hard surfaced runway. At the beginning of the flight, the winds were light and variable, but during the last landing, the wind had shifted to a slight tailwind. During the landing, the pilot lost control of the airplane, and ground looped, sustaining substantial damage to the right wing. The pilot reported no preaccident mechanical anomalies with the airplane that would have precluded normal operation.

## Flight Events

Landing-landing roll - Loss of control on ground  
Landing-landing roll - Collision with terr/obj (non-CFIT)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The pilot's failure to recognize a wind shift, resulting in a tailwind landing, loss of control, and ground loop.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-(general)-Not attained/maintained - C  
Personnel issues-Action/decision-Info processing/decision-Identification/recognition-Student/instructed pilot - C  
Personnel issues-Task performance-Use of equip/info-Aircraft control-Student/instructed pilot - C  
Environmental issues-Conditions/weather/phenomena-Wind-Tailwind-Effect on operation

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	48
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	74 hours (Total, all aircraft), 74 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N3469C
<b>Model/Series:</b>	170B UNDESIGNAT	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	O-300 SER
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	PASX, 113 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	7 knots, 280°
<b>Temperature:</b>	21°C / 1°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Soldotna, AK (SXQ)	<b>Destination:</b>	Soldotna, AK (SXQ)

## Airport Information

<b>Airport:</b>	SOLDOTNA (SXQ)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	07	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	5000 ft / 132 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Christopher R Shaver	<b>Adopted Date:</b>	06/18/2014
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89170">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89170</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.