



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	San Antonio, TX	<b>Accident Number:</b>	CEN12CA277
<b>Date &amp; Time:</b>	05/01/2012, 1615 CDT	<b>Registration:</b>	N94500
<b>Aircraft:</b>	CESSNA 152	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The solo student pilot intended to practice takeoffs and landings at a nearby airport. On the first landing, the airplane touched down on the main wheels and bounced. The nose landing gear subsequently impacted the runway, separating the nosewheel and landing gear strut. The airplane sustained substantial damage to the firewall and wing struts. The pilot noted that she had very little practice with straight-in approaches. In addition, she thought that using the traffic pattern to set up for the landing might have prevented the accident. The student pilot's logbook revealed that this was her second solo flight and the first time she traveled to the nearby airport without a flight instructor on board. She had logged a total of 1/2 hour of solo flight time prior to the accident flight. Several flights had been logged between the student pilot's home airport and the nearby airport with a flight instructor on board. The logbook contained a current solo endorsement and an endorsement for repeated solo flights between the airports involved.

## Flight Events

Landing-flare/touchdown - Hard landing  
Landing-flare/touchdown - Landing gear collapse

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's misjudgment of the landing flare, which resulted in a hard/bounced landing and subsequent impact with the runway.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C  
Personnel issues-Task performance-Use of equip/info-Aircraft control-Student pilot - C  
Personnel issues-Experience/knowledge-Experience/qualifications-Total experience-Pilot

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	42
<b>Airplane Rating(s):</b>	None	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	36 hours (Total, all aircraft), 32 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 31 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N94500
<b>Model/Series:</b>	152	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Alpha Tango Flying Services Inc.	<b>Engine Manufacturer:</b>	LYCOMING
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	O-235-L2C
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	SSF, 577 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	Broken / 8000 ft agl
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	9 knots, 130°
<b>Temperature:</b>	33° C / 17° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	San Antonio, TX (SAT)	<b>Destination:</b>	San Antonio, TX (SSF)

## Airport Information

<b>Airport:</b>	Stinson Municipal (SSF)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	14	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	1428 ft / 100 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>	Timothy Sorensen	<b>Adopted Date:</b>	07/18/2012
<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=83567">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=83567</a>		

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