



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Burlington, NC	<b>Accident Number:</b>	ATL06CA040
<b>Date &amp; Time:</b>	02/01/2006, 0940 EST	<b>Registration:</b>	N3581C
<b>Aircraft:</b>	Piper PA-31-350	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Executive/Corporate		

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## Analysis

The pilot stated that he entered a left downwind for runway 06 and extended his downwind due to another airplane being on left base for the same runway. He turned final and made several s-turns while waiting on the other airplane to clear the runway. Once the other airplane cleared the runway the pilot stated, "I lined up with the runway 06 and flared to land. My main landing gear struck the end of the pavement and sheared the left main gear." The pilot did not report any mechanical problems before the accident.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's misjudgment of altitude/distance which resulted in an undershoot of the runway and subsequent impact with the runway collapsing the main landing gear.

## Findings

Occurrence #1: UNDERSHOOT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings  
1. (C) DISTANCE/ALTITUDE - MISJUDGED - PILOT IN COMMAND  
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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

Findings  
2. OBJECT - OTHER  
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Occurrence #3: MAIN GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

## Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor; Commercial	<b>Age:</b>	49
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Single-engine; Instrument Airplane
<b>Flight Time:</b>	12360 hours (Total, all aircraft), 6000 hours (Total, this make and model), 300 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N3581C
<b>Model/Series:</b>	PA-31-350	<b>Engines:</b>	2 Reciprocating
<b>Operator:</b>	LabCorp	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	TIO-540-J28D
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Executive/Corporate		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KBUY, 617 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None	<b>Wind Speed/Gusts, Direction:</b>	Calm / , Variable
<b>Temperature:</b>	4° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Manassas, VA (KHEF)	<b>Destination:</b>	Burlington, NC (KBUY)

## Airport Information

<b>Airport:</b>	Burlington-Alamance Regional (KBUY)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	06	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	5000 ft / 120 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
<b>Latitude, Longitude:</b>	36.048333, -79.474722		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Butch Wilson	<b>Adopted Date:</b>	05/30/2006
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	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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