



# Aviation Investigation Final Report

<b>Location:</b>	ALBANY, Oregon	<b>Accident Number:</b>	SEA90LA198
<b>Date &amp; Time:</b>	September 29, 1990, 15:45 Local	<b>Registration:</b>	N22450
<b>Aircraft:</b>	PIPER PA-32RT-300T	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

AT THE END OF A CROSS COUNTRY FLIGHT, THE PILOT APPROACHED THE RUNWAY WITH A 15-20 KNOT TAILWIND. THE AIRPLANE TOUCHED DOWN JUST PAST MID-FIELD AND DID NOT HAVE SUFFICIENT RWY TO STOP. THE PILOT ATTEMPTED TO TURN THE AIRPLANE OFF THE RUNWAY; HOWEVER, THE LANDING GEAR COLLAPSED. THERE WERE NO REPORTED MECHANICAL FAILURES OR MALFUNCTIONS WITH THE AIRPLANE AT THE TIME OF THE ACCIDENT.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S DECISION TO LAND WITH A STRONG TAILWIND RESULTED IN THE COLLAPSE OF THE LANDING GEAR.

## Findings

Occurrence #1: COMPLETE GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

### Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
3. (F) WEATHER EVALUATION - INADEQUATE - PILOT IN COMMAND
4. (C) WRONG RUNWAY - SELECTED - PILOT IN COMMAND



## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Expired	<b>Last FAA Medical Exam:</b>	August 29, 1988
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	525 hours (Total, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N22450
<b>Model/Series:</b>	PA-32RT-300T PA-32RT-30	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	32R-7887261
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	7
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	3400 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	TIO-540-S1AD
<b>Registered Owner:</b>	SIMPSON, GARY R.	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	SLE ,210 ft msl	<b>Distance from Accident Site:</b>	17 Nautical Miles
<b>Observation Time:</b>	13:50 Local	<b>Direction from Accident Site:</b>	348°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	12 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	10°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	22°C / 14°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	RIALTO , CA (L67)	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>		<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	10:40 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	ALBANY S12	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	221 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	16	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3000 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	44.620552,-123.129211(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Eckrote, Debra
<b>Additional Participating Persons:</b>	JOE INKS; HILLSBORO, OR
<b>Original Publish Date:</b>	November 9, 1992
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=41289">https://data.nts.gov/Docket?ProjectID=41289</a>

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