



# Aviation Investigation Final Report

<b>Location:</b>	DIXON, Illinois	<b>Accident Number:</b>	CHI85LA268
<b>Date &amp; Time:</b>	July 4, 1985, 15:00 Local	<b>Registration:</b>	N29931
<b>Aircraft:</b>	NORTH AMERICAN AT-6G	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Minor, 1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

REPORTEDLY, THE PLT MADE A TOUCH-&GO LANDING WHILE FOLLOWING AN SNJ ACFT. HE STATED THAT DURING THE TAKEOFF, THE ACFT HAD ACCELERATED TO 85 MPH WHEN HE LOWERED THE TAIL SLIGHTLY & THE ACFT LIFTED OFF NORMALLY. HE REPORTED THAT THE ACFT WAS APRX 4 TO 5 FT OFF THE RWY WHEN IT STARTED TO ROLL TO THE RIGHT. HE CORRECTED WITH AILERON & RUDDER, BUT THE ACFT CONTINUED TO THE RIGHT. SUBSEQUENTLY, THE ACFT IMPACTED THE GROUND & WAS DAMAGED. THE PLT ESTIMATED THE WIND WAS FROM 190 TO 200 DEG AT 12 KTS. APRX 35 MI NNE AT ROCKVILLE, IL, THE 1452 CDT WIND WAS FROM 210 DEG AT 18 KTS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

Occurrence #1: VORTEX TURBULENCE ENCOUNTERED  
Phase of Operation: TAKEOFF - INITIAL CLIMB

#### Findings

1. (C) PLANNING/DECISION - IMPROPER - PILOT IN COMMAND

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Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

2. AIRCRAFT HANDLING - NOT MAINTAINED

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: TAKEOFF

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	64,Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	July 19, 1983
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1070 hours (Total, all aircraft), 226 hours (Total, this make and model), 755 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	NORTH AMERICAN	<b>Registration:</b>	N29931
<b>Model/Series:</b>	AT-6G AT-6G	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	49-3449
<b>Landing Gear Type:</b>	Retractable - Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	July 23, 1984 Annual	<b>Certified Max Gross Wt.:</b>	5300 lbs
<b>Time Since Last Inspection:</b>	84 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1447 Hrs	<b>Engine Manufacturer:</b>	P&W
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	R-1340-AN1
<b>Registered Owner:</b>	BOA LTD.	<b>Rated Power:</b>	600 Horsepower
<b>Operator:</b>	WALTER R. BREUN	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>	BOA LTD.	<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>	RFD	<b>Distance from Accident Site:</b>	736 Nautical Miles
<b>Observation Time:</b>	14:52 Local	<b>Direction from Accident Site:</b>	35°
<b>Lowest Cloud Condition:</b>	Scattered / 4000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	Broken / 8000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	12 knots / None	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	200°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 17°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	DIXON MUNI C73	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	786 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	26	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3900 ft / 75 ft	<b>VFR Approach/Landing:</b>	Touch and go

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Minor	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor, 1 None	<b>Latitude, Longitude:</b>	41.840053,-89.470123(est)

## Administrative Information

**Investigator In Charge (IIC):** Siegman, James

**Additional Participating Persons:** DON LEGORE; CHICAGO , IL

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=13123>

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