



National Transportation Safety Board Aviation Accident Final Report

Location:	GILBERT, SC	Accident Number:	ATL88LA160
Date & Time:	05/01/1988, 1800 EDT	Registration:	N5085K
Aircraft:	CESSNA 172N	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE AIRPLANE OVERRAN RWY 23 DURING LDG AND NOSED OVER. THE PLT REPORTED THAT HE ATTEMPTED TO ABORT THE LDG AFTER INITIALLY LANDING LONG ON THE RWY. AS THE AIRPLANE BEGAN TO CLIMB HOWEVER, HE REALIZED THAT IT WOULD NOT CLEAR OBSTACLES LOCATED PAST THE END OF THE RWY. HE SUBSEQUENTLY ABORTED THE TAKEOFF AND LANDED AGAIN. THE AIRPLANE TOUCHED DOWN IN A WHEAT FIELD AT THE END OF THE RWY, WHERE THE NOSEWHEEL DUG INTO SOFT TERRAIN. A NEARBY WX OBSERVATION STATION REPORTED WINDS FROM 040 DEGREES AT 12 KTS, SHORTLY BEFORE THE ACCIDENT.

Probable Cause and Findings

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

Findings

Occurrence #1: OVERRUN

Phase of Operation: LANDING

Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (F) WEATHER EVALUATION - POOR - PILOT IN COMMAND
3. (C) WRONG RUNWAY - SELECTED - PILOT IN COMMAND
4. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND
5. (C) GO-AROUND - DELAYED - PILOT IN COMMAND

Occurrence #2: NOSE OVER

Phase of Operation: LANDING - ROLL

Findings

6. (F) TERRAIN CONDITION - SOFT

Factual Information

Pilot Information

Certificate:	Private	Age:	43, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/29/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	102 hours (Total, all aircraft), 102 hours (Total, this make and model), 51 hours (Pilot In Command, all aircraft), 31 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5085K
Model/Series:	172N 172N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17273957
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	01/27/1987, Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	25 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1895 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, aided in locating accident	Engine Model/Series:	O-320-H2AD
Registered Owner:	SIMONS, ARTHUR L.	Rated Power:	160 hp
Operator:	A. L. SIMONS	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CAE, 236 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	1751 EDT	Direction from Accident Site:	45°
Lowest Cloud Condition:	Scattered / 6500 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	24° C / 3° C
Precipitation and Obscuration:			
Departure Point:	COLUMBIA, SC (CAE)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1730 EDT	Type of Airspace:	Class G

Airport Information

Airport:	BILL BARRIER FIELD	Runway Surface Type:	Grass/turf
Airport Elevation:	530 ft	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	2000 ft / 150 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	SCOTT STRICKLAND	Report Date:	07/10/1989
Additional Participating Persons:	CECIL DAVIDSON; W. COLUMBIA, SC		
Publish Date:			
Investigation Docket:	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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).