



Aviation Investigation Final Report

Location:	CHUGIAK, Alaska	Accident Number:	ANC92LA020
Date & Time:	December 15, 1991, 16:30 Local	Registration:	N767C
Aircraft:	STINSON 108	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE AIRPLANE TOUCHED DOWN ABOUT 30 FEET SHORT OF THE APPROACH END OF THE RUNWAY IN ABOUT 2 FEET OF SNOW, THEN NOSED OVER ONTO THE RUNWAY. THE PILOT STATED THAT HE THOUGHT THE FLAT LIGHTING CONDITIONS CONTRIBUTED TO HIS FINAL APPROACH ALTITUDE BEING TOO LOW. THE PRIVATE PILOT REPORTED HAVING A TOTAL OF 430 FLIGHT HOURS, OF WHICH ONLY 1.5 WAS AT NIGHT AS THE PIC. THE ACCIDENT OCCURRED ABOUT 50 MINUTES AFTER SUNSET.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT FAILED TO MAINTAIN PROPER ALTITUDE DURING THE FINAL APPROACH. CONTRIBUTING TO THE ACCIDENT WAS THE PILOT'S LACK OF TOTAL EXPERIENCE PERFORMING LANDINGS IN REDUCED LIGHT CONDITIONS, THE POOR LIGHT CONDITION AT DUSK, AND THE SNOW COVERED TERRAIN.

Findings

Occurrence #1: UNDERSHOOT
Phase of Operation: LANDING

Findings

1. (F) LIGHT CONDITION - DUSK
2. (C) PROPER ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND

3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: LANDING

Findings

4. (F) TERRAIN CONDITION - SNOW COVERED

Factual Information

Pilot Information

Certificate:	Private	Age:	36, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	October 30, 1990
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	430 hours (Total, all aircraft), 87 hours (Total, this make and model), 391 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	STINSON	Registration:	N767C
Model/Series:	108 108	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	108-3767
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	June 5, 1991 Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	50 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2900 Hrs	Engine Manufacturer:	FRANKLIN
ELT:		Engine Model/Series:	6A4-165-B3
Registered Owner:	HANSEN, CHRISTIAN F.	Rated Power:	165 Horsepower
Operator:	HANSEN, CHRISTIAN F.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dusk
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 2000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 2500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	-2°C / -7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CHUGIAK , AK (Z15)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	16:25 Local	Type of Airspace:	Class G

Airport Information

Airport:	BIRCHWOOD Z15	Runway Surface Type:	Asphalt
Airport Elevation:	96 ft msl	Runway Surface Condition:	Snow
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	4010 ft / 100 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	61.410987,-149.169555(est)

Administrative Information

Investigator In Charge (IIC):	Daw, Roy
Additional Participating Persons:	ALAN SCOTT; ANCHORAGE , AK
Original Publish Date:	April 23, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=5677

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