



Aviation Investigation Final Report

Location:	Truckee, California	Accident Number:	WPR14CA292
Date & Time:	July 13, 2014, 17:23 Local	Registration:	N501WG
Aircraft:	JONKER SAILPLANES (PTY) LTD JS1-C	Aircraft Damage:	Substantial
Defining Event:	Windshear or thunderstorm	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that following an uneventful flight, he checked the weather at his destination airport, noting wind was from 220 degrees at 7 knots, gusting to 16 knots. The pilot initiated an approach to landing on runway 20, however, while on final approach, the glider began to descend rapidly and roll to the left. The pilot applied opposite control inputs and noted that the glider began to turn to the right prior to impacting terrain slightly downslope from the runway. Recorded weather observations at the airport about 23 minutes after the accident revealed that the wind was from 250 degrees at 11 knots, gusting to 18 knots. The pilot reported no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain aircraft control in gusting wind conditions while on final approach to the runway.

Findings

Personnel issues	Aircraft control - Pilot
Environmental issues	Gusts - Effect on operation
Aircraft	Altitude - Not attained/maintained

Factual Information

History of Flight

Approach-VFR pattern final	Windshear or thunderstorm (Defining event)
Approach-VFR pattern final	Loss of control in flight
Approach-VFR pattern final	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	63
Airplane Rating(s):	Single-engine land	Seat Occupied:	Center
Other Aircraft Rating(s):	Glider	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	April 22, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 19, 2013
Flight Time:	5000 hours (Total, all aircraft), 139 hours (Total, this make and model), 11 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	JONKER SAILPLANES (PTY) LTD	Registration:	N501WG
Model/Series:	JS1-C NO SERIES	Aircraft Category:	Glider
Year of Manufacture:	2013	Amateur Built:	
Airworthiness Certificate:	Experimental (Special)	Serial Number:	1C-050
Landing Gear Type:	Retractable - Tailwheel	Seats:	
Date/Type of Last Inspection:	September 2, 2013 Continuous airworthiness	Certified Max Gross Wt.:	1587 lbs
Time Since Last Inspection:		Engines:	Turbo jet
Airframe Total Time:	130 Hrs at time of accident	Engine Manufacturer:	M&D Flugzeugbau
ELT:		Engine Model/Series:	TJ42
Registered Owner:	On file	Rated Power:	85 Lbs thrust
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KTRK,5900 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	00:45 Local	Direction from Accident Site:	226°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	11 knots / 18 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.25 inches Hg	Temperature/Dew Point:	31°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Truckee, CA (TRK)	Type of Flight Plan Filed:	None
Destination:	Truckee, CA (TRK)	Type of Clearance:	None
Departure Time:	12:30 Local	Type of Airspace:	

Airport Information

Airport:	TRUCKEE-TAHOE TRK	Runway Surface Type:	Asphalt
Airport Elevation:	5901 ft msl	Runway Surface Condition:	Dry
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	4650 ft / 75 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	39.326389,-120.130554(est)

Administrative Information

Investigator In Charge (IIC):	Cawthra, Joshua
Additional Participating Persons:	Don Morgan; Federal Aviation Administration; Reno, NV
Original Publish Date:	October 27, 2014
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=89658

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