



Aviation Investigation Final Report

Location:	Las Vegas, New Mexico	Accident Number:	GAA18CA036
Date & Time:	November 5, 2017, 11:45 Local	Registration:	N893CA
Aircraft:	Socata TBM 850	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the turbine-powered airplane reported that, while landing in a gusting crosswind, it was "obvious" the wind had changed directions. He performed a go-around, but "the wind slammed [the airplane] to the ground extremely hard." Subsequently, the airplane veered to the right off the runway and then back to the left before coming to rest.

The airplane sustained substantial damage to the fuselage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The automated weather observation system located at the accident airport reported that, about the time of the accident, the wind was from 270° at 19 knots, gusting to 25 knots. The pilot landed on runway 20.

Probable Cause and Findings

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

The pilot's inadequate compensation for gusting crosswind conditions during the go-around.

Findings

Aircraft	Climb rate - Not attained/maintained
Aircraft	Crosswind correction - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Gusts - Effect on operation
Environmental issues	Gusts - Response/compensation
Environmental issues	Crosswind - Effect on operation
Environmental issues	Crosswind - Response/compensation

Factual Information

History of Flight

Landing-flare/touchdown	Other weather encounter
Landing-aborted after touchdown	Abnormal runway contact
Landing	Loss of control on ground (Defining event)
Landing	Runway excursion

Pilot Information

Certificate:	Private	Age:	54, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	December 19, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 28, 2017
Flight Time:	(Estimated) 3000 hours (Total, all aircraft), 1850 hours (Total, this make and model), 3000 hours (Pilot In Command, all aircraft), 75 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Socata	Registration:	N893CA
Model/Series:	TBM 850	Aircraft Category:	Airplane
Year of Manufacture:	2007	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	393
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	April 13, 2017 100 hour	Certified Max Gross Wt.:	7430 lbs
Time Since Last Inspection:		Engines:	1 Turbo prop
Airframe Total Time:	2304 Hrs at time of accident	Engine Manufacturer:	P&W
ELT:	C91 installed, activated, aided in locating accident	Engine Model/Series:	PT6A-66D
Registered Owner:	On file	Rated Power:	850 Horsepower
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:	KLVS,6874 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:53 Local	Direction from Accident Site:	138°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	19 knots / 25 knots	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.05 inches Hg	Temperature/Dew Point:	16°C / -2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	TOMBALL, TX (TS52)	Type of Flight Plan Filed:	IFR
Destination:	Las Vegas, NM (LVS)	Type of Clearance:	IFR
Departure Time:	09:45 Local	Type of Airspace:	Class E

Airport Information

Airport:	LAS VEGAS MUNI LVS	Runway Surface Type:	Asphalt
Airport Elevation:	6877 ft msl	Runway Surface Condition:	Unknown
Runway Used:	20	IFR Approach:	RNAV
Runway Length/Width:	5006 ft / 75 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:	35.654445,-105.142501(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Ray Ramero; FAA; Albuquerque, NM
Original Publish Date:	February 21, 2018
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=96291

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