



Aviation Investigation Final Report

Location:	Lubbock, Texas	Accident Number:	CEN10CA347
Date & Time:	June 26, 2010, 15:30 Local	Registration:	N3495X
Aircraft:	Mooney M20F	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The student pilot was landing with a headwind of 15 knots, gusting to 22 knots. When the airplane was on short final approach, at about 10 to 12 feet above the runway, the student pilot said that the airplane "fell out of the sky...and bounced on all three wheels." He then applied full power and attempted a go-around. While still airborne, the right wing of the airplane struck a tree approximately 125 feet to the left of the runway centerline. The impact with the tree sheared off the outboard three feet of the right wing and the airplane then struck level terrain and came to rest upright. There was a fuel spill, but no post-impact fire. The impacts caused substantial damage to both wings, the fuselage, engine mounts, landing gear, and tail surfaces. The student pilot reported that he was not injured. An examination of the airplane revealed no preexisting anomalies.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain control during a go-around.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing	Aerodynamic stall/spin
Landing	Abnormal runway contact
Approach-VFR go-around	Collision with terr/obj (non-CFIT) (Defining event)
Uncontrolled descent	Part(s) separation from AC
Post-impact	Miscellaneous/other

Student pilot Information

Certificate:	Student	Age:	52, 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 3 Without waivers/limitations	Last FAA Medical Exam:	July 21, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 24, 2010
Flight Time:	104 hours (Total, all aircraft), 84 hours (Total, this make and model), 27 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 22 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Mooney	Registration:	N3495X
Model/Series:	M20F NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	670034
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2740 lbs
Time Since Last Inspection:	47 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2781 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91A installed	Engine Model/Series:	IO-360
Registered Owner:	On file	Rated Power:	200 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:	LBB,3282 ft msl	Distance from Accident Site:	348 Nautical Miles
Observation Time:	14:53 Local	Direction from Accident Site:	11°
Lowest Cloud Condition:	Scattered / 8000 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots / 22 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.89 inches Hg	Temperature/Dew Point:	35°C / 14°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Burleson, TX (FWS)	Type of Flight Plan Filed:	None
Destination:	Lubbock, TX (F82)	Type of Clearance:	VFR flight following
Departure Time:	13:30 Local	Type of Airspace:	

Airport Information

Airport:	Town and Country Airpark F82	Runway Surface Type:	Asphalt
Airport Elevation:	3800 ft msl	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3500 ft / 70 ft	VFR Approach/Landing:	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:	33.485279,-101.807777(est)

Administrative Information

Investigator In Charge (IIC):	Latson, Thomas
Additional Participating Persons:	Mark W McDougall; FAA Lubbock FSDO; Lubbock, TX
Original Publish Date:	October 21, 2010
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=76455

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