



Aviation Investigation Final Report

Location:	Cypress, Texas	Accident Number:	CEN11CA163
Date & Time:	January 29, 2011, 08:25 Local	Registration:	N64FM
Aircraft:	Mooney M20R	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The student pilot said that he was too fast and had touched down too long on the runway when he realized the airplane would not be able to stop in the distance remaining. He applied full power to go around and the airplane became airborne at the end of the runway with an airspeed of about 55 knots. The airplane's wing struck trees at the airport boundary, causing the pilot to lose directional control. The airplane continued about 300 feet to the left of the runway centerline before impacting terrain and other obstructions and coming to rest in the back yard of a residence. There was an immediate postimpact fire.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's delayed decision to execute a go-around.

Findings

Personnel issues	Lack of action - Student/instructed pilot
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Factual Information

History of Flight

Landing	Landing area overshoot
Approach-VFR go-around	Loss of control in flight (Defining event)
Approach-VFR go-around	Aerodynamic stall/spin
Uncontrolled descent	Collision with terr/obj (non-CFIT)
Post-impact	Fire/smoke (post-impact)

Student pilot Information

Certificate:	Student	Age:	53, 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 With waivers/limitations	Last FAA Medical Exam:	January 13, 2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	313 hours (Total, all aircraft), 26 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Mooney	Registration:	N64FM
Model/Series:	M20R NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	29-0193
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	March 1, 2010 Annual	Certified Max Gross Wt.:	3368 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:	Installed	Engine Model/Series:	IO-550 Series
Registered Owner:	On file	Rated Power:	
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:	KDWH, 152 ft msl	Distance from Accident Site:	8 Nautical Miles
Observation Time:	08:53 Local	Direction from Accident Site:	25°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	190°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.1 inches Hg	Temperature/Dew Point:	15°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bryan, TX (CFD)	Type of Flight Plan Filed:	None
Destination:	Cypress, TX (EYQ)	Type of Clearance:	None
Departure Time:	08:00 Local	Type of Airspace:	

Airport Information

Airport:	Weiser Air Park EYQ	Runway Surface Type:	Asphalt
Airport Elevation:	137 ft msl	Runway Surface Condition:	Dry
Runway Used:	09	IFR Approach:	None
Runway Length/Width:	3455 ft / 40 ft	VFR Approach/Landing:	Go around

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	29.934722,-95.636947(est)

Administrative Information

Investigator In Charge (IIC):	Latson, Thomas
Additional Participating Persons:	James C Storm; FAA Houston FSDO; Houston, TX
Original Publish Date:	June 8, 2011
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=78238

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