



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Amarillo, TX	<b>Accident Number:</b>	CEN10LA117
<b>Date &amp; Time:</b>	02/04/2010, 0215 CST	<b>Registration:</b>	N644EM
<b>Aircraft:</b>	MITSUBISHI MU-2B-60	<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Analysis

While on approach to the snow and ice-covered runway, the pilot was correcting for a right crosswind. The airplane was flying approximately 20 knots faster than the recommended landing airspeed. The airplane's right main landing gear touched down first followed by the left main landing gear and the nose gear. The airplane made an abrupt left turn and the pilot attempted to correct by depressing the right rudder pedal. The pilot lost control of the airplane and the airplane departed the left side of the runway. The right main landing gear was torn from the airplane and the airplane came to rest in the upright position. Airfield operations reported that the runway's braking condition was estimated at "nil." An examination of the airplane and its systems revealed no anomalies.

## Flight Events

Landing-landing roll - Other weather encounter  
Landing-landing roll - Loss of control on ground  
Landing-landing roll - Runway excursion

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The pilot's loss of directional control while landing on an ice/snow covered runway.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C  
Personnel issues-Physical-Alertness/Fatigue-(general)-Pilot  
Environmental issues-Physical environment-Runway/land/takeoff/taxi surfa-Snow/slush/ice covered-Effect on operation - F

## Pilot Information

<b>Certificate:</b>	Airline Transport	<b>Age:</b>	54
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	12954 hours (Total, all aircraft), 9277 hours (Total, this make and model), 12822 hours (Pilot In Command, all aircraft), 90 hours (Last 90 days, all aircraft), 26 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	MITSUBISHI	<b>Registration:</b>	N644EM
<b>Model/Series:</b>	MU-2B-60	<b>Engines:</b>	2 Turbo Prop
<b>Operator:</b>	MID-COAST AIR CHARTER INC	<b>Engine Manufacturer:</b>	Honeywell
<b>Air Carrier Operating Certificate:</b>	On-demand Air Taxi (135)	<b>Engine Model/Series:</b>	TPE331-10-511
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	KAMA, 3607 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Instrument Conditions	<b>Lowest Ceiling:</b>	Indefinite (V V) / 110 ft agl
<b>Condition of Light:</b>	Night	<b>Wind Speed/Gusts, Direction:</b>	6 knots, 120°
<b>Temperature:</b>	-2° C / -2° C	<b>Visibility:</b>	
<b>Precipitation and Obscuration:</b>	Moderate - Snow; Freezing - Fog		
<b>Departure Point:</b>	DALLAS/FORT WOR, TX (KDFW)	<b>Destination:</b>	Amarillo, TX (KAMA)

## Airport Information

<b>Airport:</b>	Amarillo International (KAMA)	<b>Runway Surface Type:</b>	Concrete
<b>Runway Used:</b>	04	<b>Runway Surface Condition:</b>	Ice; Snow
<b>Runway Length/Width:</b>	13502 ft / 200 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jason T Aguilera	<b>Adopted Date:</b>	06/17/2010
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75357">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75357</a>		

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