



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	San Andreas, CA	<b>Accident Number:</b>	LAX05CA287
<b>Date &amp; Time:</b>	09/01/2005, 1615 PDT	<b>Registration:</b>	N1644M
<b>Aircraft:</b>	Cessna A185E	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None

**Flight Conducted Under:** Part 91: General Aviation - Personal

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On September 1, 2005 at 1615 Pacific daylight time, a Cessna A185E airplane, N1644M, was substantially damaged when it impacted terrain during the takeoff roll at the Calaveras County Airport, San Andreas, California. The private pilot and three passengers were not injured. The pilot operated the airplane under the provisions of 14 CFR Part 91 as a personal flight. Visual meteorological conditions prevailed and a flight plan had not been filed for the local flight. The flight was departing at the time of the accident.

According to the pilot's written statement, the airplane was 600 feet down the 3,603-foot-runway (runway 31) when the airplane encountered a dust devil. The airplane veered to the left, and the pilot added full right rudder to counteract the left movement. The airplane was thrust left and upward onto the left wing. The pilot reduced power and then the right main landing gear impacted an earthen berm and sheared the landing gear. The airplane came to rest on the right wing, engine cowling, and right horizontal stabilizer (all of which were structurally damage).

Witnesses approached the pilot following the accident and informed him they observed a dust devil approach the airplane during the takeoff roll. The pilot indicated that there were no anomalies with the airframe or the engine prior to the event.

The pilot reported accumulating a total of 1,200 hours of flight time, of which 300 hours were accumulated in the same make and model as the accident airplane.

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	09/01/2003
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1200 hours (Total, all aircraft), 300 hours (Total, this make and model), 5 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N1644M
<b>Model/Series:</b>	A185E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18501847
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	IO-520D
<b>Registered Owner:</b>	Skyline Holdings, Inc.	<b>Rated Power:</b>	
<b>Operator:</b>	Casey M. Long	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SCK	Distance from Accident Site:	
Observation Time:	1655	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	310°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.79 inches Hg	Temperature/Dew Point:	33° C / 11° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Andreas, CA (CPU)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1615 PDT	Type of Airspace:	

## Airport Information

Airport:	Calaveras County (CPU)	Runway Surface Type:	Asphalt
Airport Elevation:	1320 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	3603 ft / 60 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	4 None	Latitude, Longitude:	38.146111, -120.648056

## Administrative Information

Investigator In Charge (IIC):	Nicole L Charnon
Additional Participating Persons:	; Federal Aviation Administration; Oakland, CA
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .