



# Aviation Investigation Final Report

<b>Location:</b>	Modesto, California	<b>Accident Number:</b>	WPR24LA043
<b>Date &amp; Time:</b>	November 28, 2023, 16:40 Local	<b>Registration:</b>	N9991N
<b>Aircraft:</b>	Cessna 180J	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Nose over/nose down	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that while landing in a tailwind, he lost directional control on the tail wheeled airplane, and it veered to the left. Subsequently, the main gear exited the runway surface and resulted in the airplane nosing over. The airplane sustained substantial damage to the vertical stabilizer and left-wing strut. The pilot reported that there were no preaccident mechanical failures or malfunctions that would have precluded normal operation.

## Probable Cause and Findings

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

The failure of the pilot to maintain directional control of the airplane during landing, which resulted in a nose over.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Environmental issues</b>	Tailwind - Effect on operation

## Factual Information

### History of Flight

Landing-landing roll	Nose over/nose down (Defining event)
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### Pilot Information

Certificate:	Private	Age:	80,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	January 17, 2023
Occupational Pilot:	No	Last Flight Review or Equivalent:	January 28, 2023
Flight Time:	(Estimated) 2615 hours (Total, all aircraft), 2500 hours (Total, this make and model), 20 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N9991N
Model/Series:	180J	Aircraft Category:	Airplane
Year of Manufacture:	1975	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18052646
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	October 31, 2023 Continuous airworthiness	Certified Max Gross Wt.:	3190 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5800 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	O-470
Registered Owner:	On file	Rated Power:	
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KMOD,87 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	15:53 Local	<b>Direction from Accident Site:</b>	218°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	140°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.06 inches Hg	<b>Temperature/Dew Point:</b>	17°C / 1°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	San Diego, CA (MYF)	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	Modesto, CA	<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	01:40 Local	<b>Type of Airspace:</b>	Class C

## Airport Information

<b>Airport:</b>	MODESTO CITY-COUNTY-HARRY SHAM FLD MOD	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	99 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	10L/28R	<b>IFR Approach:</b>	ILS
<b>Runway Length/Width:</b>	5904 ft / 150 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>		<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	37.63,-120.95(est)

## Administrative Information

Investigator In Charge (IIC):	Nixon, Albert
Additional Participating Persons:	Todd Lambeth; FAA; Fresno, CA
Original Publish Date:	January 10, 2024
Last Revision Date:	
Investigation Class:	<a href="#">Class 4</a>
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	<a href="https://data.nts.gov/Docket?ProjectID=193447">https://data.nts.gov/Docket?ProjectID=193447</a>

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