

**NATIONAL TRANSPORTATION SAFETY BOARD
PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT**

This form to be used for reporting civil and public use aircraft accidents and incidents

BASIC INFORMATION																																																						
Accident/Incident Location Nearest City/Place: <u>Midpines</u> State: <u>CA</u> ZIP: <u>95345</u> Country: <u>United States</u> Latitude: <u>37:39:36N</u> (dd:mm:ss N/S) Longitude: <u>119:27:48W</u> (ddd:mm:ss E/W)					Date/Time Date: <u>12/01/2011</u> Local Time: <u>1953</u> <i>mm/dd/yyyy</i> Time Zone: <u>PST</u>																																																	
Phase of Operation <input type="checkbox"/> Standing <input type="checkbox"/> Takeoff (incl. initial climb) <input checked="" type="checkbox"/> Cruise <input type="checkbox"/> Hover <input type="checkbox"/> Taxi <input type="checkbox"/> Climb <input type="checkbox"/> Maneuvering <input type="checkbox"/> Other <input type="checkbox"/> Descent <input type="checkbox"/> Landing <input type="checkbox"/> Approach <input type="checkbox"/> Unknown					Collision with Other Aircraft <input type="checkbox"/> Midair <input type="checkbox"/> On-ground <input checked="" type="checkbox"/> None		Altitude of In-Flight Occurrence <p align="center"><u>30,000</u> ft MSL</p>																																															
AIRCRAFT INFORMATION																																																						
Manufacturer: <u>Boeing</u> Model: <u>737-7H4</u> Serial Number: <u>32517</u> Registration Number: <u>N261WN</u> Amateur-built: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Max Gross Weight: <u>154,500</u> lbs Weight at Time of Accident/Incident: _____ lbs Location of Center of Gravity at Time of Accident/Incident: _____ inches from <input type="checkbox"/> nose or <input type="checkbox"/> datum -or- _____ Percent Mean Aerodynamic Cord (% MAC)																																																	
Category of Aircraft <input checked="" type="checkbox"/> Airplane <input type="checkbox"/> Balloon <input type="checkbox"/> Blimp/Dirigible <input type="checkbox"/> Glider <input type="checkbox"/> Gyrocraft <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered lift <input type="checkbox"/> Ultralight <input type="checkbox"/> Unknown		Type of Airworthiness Certificate <i>(Check all that apply)</i> Standard <input type="checkbox"/> Normal <input type="checkbox"/> Utility <input type="checkbox"/> Acrobatic <input checked="" type="checkbox"/> Transport Special <input type="checkbox"/> Restricted <input type="checkbox"/> Limited <input type="checkbox"/> Provisional <input type="checkbox"/> Experimental <input type="checkbox"/> Special Flight <input type="checkbox"/> Light Sport		Number of Seats: <u>145</u> If Large Aircraft, how many seats for: Flight Crew: <u>4</u> Cabin Crew: <u>4</u> Passengers: <u>137</u>		Landing Gear <input checked="" type="checkbox"/> Retractable Check any additional landing gear configuration that applies: <input checked="" type="checkbox"/> Tricycle <input type="checkbox"/> Tailwheel <input type="checkbox"/> Amphibian <input type="checkbox"/> High Skid <input type="checkbox"/> Emergency Float <input type="checkbox"/> Skid <input type="checkbox"/> Float <input type="checkbox"/> Ski <input type="checkbox"/> Hull <input type="checkbox"/> Ski/Wheel <input type="checkbox"/> Unknown																																																
Type of Maintenance Program <input type="checkbox"/> Annual <input type="checkbox"/> Conditional (Amateur-built only) <input type="checkbox"/> Manufacturer's Inspection Program <input type="checkbox"/> Other Approved Inspection Program (AAIP) <input checked="" type="checkbox"/> Continuous Airworthiness <input type="checkbox"/> Other, specify: _____			Last Inspection Type <input type="checkbox"/> 100 Hour <input checked="" type="checkbox"/> Continuous Airworthiness <input type="checkbox"/> AAIP <input type="checkbox"/> Conditional Inspection <input type="checkbox"/> Annual <input type="checkbox"/> Unknown			Date Last Inspection: <u>11/30/11</u> <i>mm/dd/yyyy</i> Airframe Total Time: <u>18,350</u> hrs hours measured at <i>(check one)</i> <input checked="" type="checkbox"/> Last Inspection <input type="checkbox"/> Time of Accident/Incident																																																
IFR Equipped <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			Stall Warning System Installed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			Type of Fire Extinguishing System <input type="checkbox"/> None <input checked="" type="checkbox"/> Specify <u>Halon</u>																																																
ELT Installed ELT Activated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			ELT Manufacturer: _____ Model/Series: _____ Serial Number: _____ Battery Type: _____ Battery Exp. Date: _____																																																			
ELT Aided in Locating Accident/Incident <input type="checkbox"/> Yes <input type="checkbox"/> No			Engine Type <input type="checkbox"/> Reciprocating <input type="checkbox"/> Turbo Jet <input type="checkbox"/> Turbo Shaft <input checked="" type="checkbox"/> Turbo Fan <input type="checkbox"/> Turbo Prop <input type="checkbox"/> Unknown Reciprocating Fuel System Type <input type="checkbox"/> Carburetor <input type="checkbox"/> Fuel Injected Propeller <input type="checkbox"/> Fixed Pitch Manufacturer: _____ <input type="checkbox"/> Controllable Pitch Model: _____																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Engine</th> <th style="width: 15%;">Engine Manufacturer</th> <th style="width: 15%;">Engine Model/Series</th> <th style="width: 15%;">Manufacturer's Serial Number</th> <th style="width: 10%;">Date of Mfg. <i>mm/dd/yyyy</i></th> <th style="width: 10%;">Engine Rated Power Measured as <i>(check one)</i> <input type="checkbox"/> Horsepower or <input checked="" type="checkbox"/> lbs of Thrust</th> <th style="width: 5%;">Total Time (hours)</th> <th style="width: 5%;">Time Since Inspection (hours)</th> <th style="width: 5%;">Time Since Overhaul (hours)</th> </tr> </thead> <tbody> <tr> <td>Eng. 1</td> <td>General Electric</td> <td>CFM56-7B24</td> <td>894346</td> <td>12/14/2006</td> <td align="center">24000</td> <td align="center">18,429</td> <td align="center">79</td> <td></td> </tr> <tr> <td>Eng. 2</td> <td>General Electric</td> <td>CFM56-7B24</td> <td>894360</td> <td>12/14/2006</td> <td align="center">24000</td> <td align="center">18,429</td> <td align="center">79</td> <td></td> </tr> <tr> <td>Eng. 3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Eng. 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Engine Rated Power Measured as <i>(check one)</i> <input type="checkbox"/> Horsepower or <input checked="" type="checkbox"/> lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)	Eng. 1	General Electric	CFM56-7B24	894346	12/14/2006	24000	18,429	79		Eng. 2	General Electric	CFM56-7B24	894360	12/14/2006	24000	18,429	79		Eng. 3									Eng. 4								
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OWNER/OPERATOR INFORMATION		
Registered Aircraft Owner Name: <u>Southwest Airlines, Co.</u> Fractional Ownership Aircraft: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Owner Address City: <u>PO Box 36611 Dallas</u> State: <u>Texas</u> ZIP: <u>75235</u> Country: <u>United States</u>	
Operator of Aircraft <input checked="" type="checkbox"/> Same As Registered Owner Name: _____ Doing Business As: _____ Air Carrier/Operator Designator (4 Character Code): <u>SWAA</u>	Operator Address <input checked="" type="checkbox"/> Same As Registered Owner City: _____ State: _____ ZIP: _____ Country: _____	
Regulation Flight Conducted Under <input type="checkbox"/> FAR 91 <input type="checkbox"/> FAR 129 <input type="checkbox"/> FAR 91 Special Flight <input type="checkbox"/> Public Use (select type) <input type="checkbox"/> FAR 103 <input type="checkbox"/> FAR 133 <input type="checkbox"/> Non-US, Commercial <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local <input checked="" type="checkbox"/> FAR 121 <input type="checkbox"/> FAR 135 <input type="checkbox"/> Non-US, Non-commercial <input type="checkbox"/> Unknown <input type="checkbox"/> FAR 125 <input type="checkbox"/> FAR 137 <input type="checkbox"/> Armed Forces	Revenue Sightseeing Flight <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Air Medical Flight <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Purpose of Flight for FAR 91, 103, 133, 137 (Select one) <input type="checkbox"/> Personal <input type="checkbox"/> Business <input type="checkbox"/> Executive/Corporate <input type="checkbox"/> Other Work Use <input type="checkbox"/> Instructional <input type="checkbox"/> Ferry <input type="checkbox"/> Positioning <input type="checkbox"/> Aerial Application <input type="checkbox"/> Aerial Observation <input type="checkbox"/> Air Drop <input type="checkbox"/> Air Race / Show <input type="checkbox"/> Flight Test <input type="checkbox"/> Public Use <input type="checkbox"/> Unknown	Revenue Operation for FAR 121, 125, 129, 135 (Select one) <input checked="" type="checkbox"/> Scheduled or Commuter <input type="checkbox"/> Non-Scheduled or Air Taxi Domestic or International <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> International Cargo Operation <input type="checkbox"/> Passenger/Cargo <input type="checkbox"/> Passenger _____ How many? <input type="checkbox"/> Cargo _____ lbs <input type="checkbox"/> Mail	Type of Commercial Operating Certificate Held (Check all that apply) <input type="checkbox"/> None <input checked="" type="checkbox"/> Flag Carrier Operating Certificate (121) <input type="checkbox"/> Supplemental <input type="checkbox"/> Air Cargo <input type="checkbox"/> Foreign Air Carriers (129) <input type="checkbox"/> Commuter Air Carrier (135) <input type="checkbox"/> On-Demand Air Taxi (135) <input type="checkbox"/> Large Helicopter (127) <input type="checkbox"/> Rotorcraft External Load (133) - or - <input type="checkbox"/> Agricultural Aircraft (137) <input type="checkbox"/> Other Operator of Large Aircraft
OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)		
Aircraft Registration Number _____	Manufacturer: _____ Model: _____	Damage to Other Aircraft <input type="checkbox"/> Destroyed <input type="checkbox"/> Minor <input type="checkbox"/> Substantial <input type="checkbox"/> None
Registered Owner of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		
Pilot of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		
MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)		
Was there Mechanical Malfunction/Failure? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <i>(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)</i>		Total Time/Cycles On Part _____ Hours _____ Cycles Time Since This Part Inspected/Overhauled _____ Hours
DAMAGE TO AIRCRAFT AND OTHER PROPERTY		
Aircraft Damage <input checked="" type="checkbox"/> None <input type="checkbox"/> Substantial <input type="checkbox"/> Minor <input type="checkbox"/> Destroyed	Aircraft Fire <input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight <input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin <input type="checkbox"/> On-Ground	Aircraft Explosion <input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight <input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin <input type="checkbox"/> On-Ground

Description of Damage to Aircraft and Other Property (use additional sheet if necessary)

AIRPORT INFORMATION (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)

Airport Identifier: _____ Distance From Airport Center: _____ SM
 Airport Name: _____ Direction From Airport: _____ degrees MAG
 Proximity to Airport Off Airport/Airstrip On Airport On Airstrip Airport Elevation: _____ ft. MSL

Approach Segment (Select one)

On Instrument Approach Landing Base leg Final Go Around
 Crosswind Downwind Low Approach Aborted Landing (after touchdown)

IFR Approach (Check all that apply)

None PAR MLS Practice
 ADF/NDB Sideslep LDA GPS
 SDF ILS ASR Loran
 VOR/TVOR Localizer Only Visual Unknown
 VOR/DME LOC-back course Contact
 TACAN RNAV Circling

VFR Approach (Check all that apply)

None Stop and Go
 Traffic Pattern Touch and Go
 Straight-In Simulated Forced Landing
 Valley/Terrain Following Forced Landing
 Go Around Precautionary Landing
 Full Stop Unknown

Runway Information

Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft

Runway/Landing Surface (Check all that apply)

Asphalt Grass/Turf Macadam Water
 Concrete Gravel Metal/Wood Unknown
 Dirt Ice Snow

Condition of Runway/Landing Surface (Check all that apply)

Dry Snow-Compacted Water-Calm
 Holes Snow-Crusted Water-Choppy
 Ice Covered Snow-Dry Water-Glassy
 Rough Snow-Wet Wet
 Rubber Deposits Soft Unknown
 Slush Covered Vegetation

FLIGHT ITINERARY INFORMATION

Last Departure Point

Airport ID: KABQ
 City: Albuquerque
 State: New Mexico
 Country: United States

Time of Departure

Time: 1919
 Time Zone: MST

Destination

Airport ID: KOAK
 City: Oakland
 State: California
 Country: United States

Type Flight Plan Filed

None VFR/IFR
 Company VFR IFR
 Military VFR Unknown
 VFR
 Activated? Yes No

Type of ATC Clearance/Service (Check all that apply)

None Special VFR Special IFR VFR Flight Following Cruise
 VFR IFR VFR On Top Traffic Advisory Unknown / NA

Airspace where the accident/incident occurred (Check all that apply)

Class A Class E Prohibited Area Jet Training Area Special
 Class B Class G Restricted Area TRSA Air Traffic Control Area
 Class C Demo Area Military Operations Area (MOA) FAR 93 Unknown
 Class D Warning Area Airport Advisory Area

Aircraft Load Description (Check all that apply)

None Towing Glider Parachutists Livestock
 Passengers Towing Banner Water Unknown
 Cargo Other External Chemical/Fertilizer/Seeds

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff

(convert from pounds, as necessary)
 _____ **3,417** Gallons

Fuel Type

80/87 115/145 JP3 Other, specify _____
 100 Low Lead Jet A JP4
 100/130 Automotive JP5

Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFT

Was an emergency evacuation of the aircraft performed? Yes No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Weather Observation Facility Facility ID: <u>KMMH</u> Observation Time: <u>1955</u> Time Zone: <u>PST</u> Distance from Accident Site: <u>30</u> NM Direction from Accident Site: <u>093</u> degrees MAG	Source of Weather Information <i>(Check all that apply)</i> <input checked="" type="checkbox"/> National Weather Service <input type="checkbox"/> Company <input type="checkbox"/> Flight Service Station <input type="checkbox"/> Military <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Internet <input type="checkbox"/> Automated Report <input type="checkbox"/> Unknown <input type="checkbox"/> Commercial Weather Service (DUATS)	Method of Briefing <i>(Check all that apply)</i> <input type="checkbox"/> In Person <input type="checkbox"/> Teletype <input checked="" type="checkbox"/> Telephone/Computer <input type="checkbox"/> Aircraft Radio <input type="checkbox"/> TV/Radio <input type="checkbox"/> Unknown
Briefing Type/Completeness <input checked="" type="checkbox"/> Full <input type="checkbox"/> Abbreviated <input type="checkbox"/> Partial / Limited By Pilot <input type="checkbox"/> Unknown <input type="checkbox"/> Partial / Limited By Briefer <input type="checkbox"/> Not Pertinent	Light Condition <input type="checkbox"/> Dawn <input type="checkbox"/> Dusk <input type="checkbox"/> Dark Night <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> Bright Night <input checked="" type="checkbox"/> Not Reported	Visibility <u>10</u> miles
Sky/Lowest Cloud Condition <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Thin Broken <input type="checkbox"/> Few <input type="checkbox"/> Thin Overcast <input type="checkbox"/> Partial Obscuration <input type="checkbox"/> Unknown <input type="checkbox"/> Scattered	Ceiling <input checked="" type="checkbox"/> None (clear) <input type="checkbox"/> Obscured <input type="checkbox"/> Broken <input type="checkbox"/> Indefinite <input type="checkbox"/> Overcast <input type="checkbox"/> Unknown	Restriction to Visibility <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke <input type="checkbox"/> Dust <input type="checkbox"/> Unknown
Lowest Cloud Condition Height _____ ft AGL	Ceiling Height _____ ft AGL	
Wind Direction <input checked="" type="checkbox"/> Indicated: <u>270</u> degrees MAG <input type="checkbox"/> Variable	Wind Speed Velocity: <u>6</u> KTS -or- <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable	Wind Gusts Velocity: _____ KTS <input type="checkbox"/> Gusting <input checked="" type="checkbox"/> Not Gusting
		Type of Turbulence <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> In Clouds <input checked="" type="checkbox"/> Clear Air <input type="checkbox"/> Vicinity of Thunderstorm Severity of Turbulence <input type="checkbox"/> Extreme <input type="checkbox"/> Moderate <input type="checkbox"/> Light <input checked="" type="checkbox"/> Severe <input type="checkbox"/> Moderate Chop

NOTAMs (D, L and FDC), AIRMETS, SIGMETs, PIREPs in effect at the time of the accident/incident

SIGMET WHISKEY 9 was in effect as well as PIREPS for moderate turbulence that generated Turbulence Plots (TPs). Please see attached Supplemental Weather Information (Supplemental Weather Info.pdf).

Temperature: <u>-6</u> (C) or _____ (F) Altimeter Setting: <u>30.15</u> in. HG or _____ MB Density Altitude: _____ ft Dew Point: <u>-15</u> (C) or _____ (F)	Icing Forecast Amount <input type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Trace <input type="checkbox"/> Severe <input type="checkbox"/> Light Type <input type="checkbox"/> Rime <input type="checkbox"/> Clear <input type="checkbox"/> Mixed Icing Actual Amount <input type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Trace <input type="checkbox"/> Severe <input type="checkbox"/> Light Type <input type="checkbox"/> Rime <input type="checkbox"/> Clear <input type="checkbox"/> Mixed	Type of Precipitation <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Snow Shower <input type="checkbox"/> Freezing Drizzle Intensity of Precipitation <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
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ADDITIONAL FLIGHT CREW MEMBERS (Exclusive of cabin attendants, complete the following information)

Pilot Name and Address		Degree of Injury
First Name: _____	City: _____	<input type="checkbox"/> None <input type="checkbox"/> Fatal
Middle Initial: _____	State: _____ ZIP: _____	<input type="checkbox"/> Minor <input type="checkbox"/> Unknown
Last Name: _____	Country: _____	<input type="checkbox"/> Serious
Pilot Certificate(s) (Check all that apply)		Seat Occupied
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		<input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

Pilot Name and Address		Degree of Injury
First Name: _____	City: _____	<input type="checkbox"/> None <input type="checkbox"/> Fatal
Middle Initial: _____	State: _____ ZIP: _____	<input type="checkbox"/> Minor <input type="checkbox"/> Unknown
Last Name: _____	Country: _____	<input type="checkbox"/> Serious
Pilot Certificate(s) (Check all that apply)		Seat Occupied
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		<input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

Pilot Name and Address		Degree of Injury
First Name: _____	City: _____	<input type="checkbox"/> None <input type="checkbox"/> Fatal
Middle Initial: _____	State: _____ ZIP: _____	<input type="checkbox"/> Minor <input type="checkbox"/> Unknown
Last Name: _____	Country: _____	<input type="checkbox"/> Serious
Pilot Certificate(s) (Check all that apply)		Seat Occupied
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		<input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

PASSENGER(S) / OTHER PERSONNEL (Include flight attendants; continue on separate sheet if necessary)

Name and Address	Seat	Crew	Non-Revenue	Revenue	Non-Occupant	FAA	Fatal Injury	Serious Injury	Minor Injury	No Injury	Unknown
First Name: <u>Michelle</u> City: <u>Dallas</u> Middle Initial: _____ State: <u>Texas</u> ZIP: <u>75235</u> Last Name: <u>Rapolla</u> Country: <u>United States</u>	A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: <u>Scott</u> City: <u>Dallas</u> Middle Initial: _____ State: <u>Texas</u> ZIP: <u>75235</u> Last Name: <u>Wheelwright</u> Country: <u>United States</u>	B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: <u>Jamie</u> City: <u>Dallas</u> Middle Initial: _____ State: <u>Texas</u> ZIP: <u>75235</u> Last Name: <u>Bond</u> Country: <u>United States</u>	C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: <u>8 Non-Revenue Passengers</u> City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First Name: <u>87 Revenue Passengers</u> City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State time and point of departure, intended destination, and services obtained.

December 1, 2011

1953 PST

Southwest Airlines Flight 1489

N261WN

Boeing 737-7H4

2 Pilots, 3 Flight Attendants, 95 Passengers onboard

Departed KABQ at 1919 MST

Landed KOAK at 2017 PST

Encountered severe turbulence near Midpines, California while at FL300. Turbulence location recorded as 3739.6N 11927.8W.

SWA Flight 1489 was on a scheduled flight from Albuquerque International Sunport Airport, Albuquerque, New Mexico (ABQ) to Metropolitan Oakland International Airport, Oakland, California (OAK). Turbulence was forecast for portions of the flight, and SWA Dispatch had planned the flight to descend below the areas of forecast and reported turbulence.

Shortly after descending from FL400 to FL300 due to turbulence at FL400, the flight encountered severe turbulence near Midpines, California. The Aircraft Communications Addressing and Reporting System (ACARS) recorded a peak of 3.5Gs, with variations back down to 1G and slightly below within one second. During the turbulence, the A Flight Attendant was in the forward galley and the B and C Flight Attendants were in the aft galley. The A Flight Attendant was thrown up and down and side to side with her feet leaving the cabin floor, but she was able to hold on to a counter. She was then thrown onto the galley floor in a seated position and was able to secure herself in the forward jumpseat. The A Flight Attendant did not request to be transported to the hospital and felt that she could continue on. She has filed an injury report. The B and C Flight Attendants were thrown violently around the aft galley and struck their heads and backs. They were able to secure themselves in the aft jumpseat and remained there throughout landing. The Captain declared an emergency with Air Traffic Control (ATC) after learning of the injuries to the Flight Attendants. The flight landed safely in OAK and taxied to the gate where paramedics were waiting.

The B and C Flight Attendants were both transported to the hospital via ambulance. The C Flight Attendant was released with minor injuries (concussion/head trauma). The B Flight Attendant was released from the hospital and informed the next day that he had suffered a serious injury (compression fractures in his second and third Lumbar Vertebrae). None of the 95 Passengers onboard the flight were transported to the hospital.

RECOMMENDATION (How could this accident/incident have been prevented?)

Operator/Owner Safety Recommendation

Internal investigation in process, any internal recommendations will be released at the conclusion of the investigation.

ADDITIONAL INFORMATION *(Please type or print in ink)*

Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

12/14/2011
mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature: _____

Type or Print Name: _____

Signature and Name of Person Filing Report if Other than Pilot/Operator

Signature: _____

Type or Print Name: Dennis Post

Title: Safety Investigator

FOR NTSB USE ONLY

NTSB Accident/Incident No.
WPR12LA053

Reviewed by NTSB Regional Office
WPR

Name of Investigator
T. Cornejo

Date Report Received
12/16/2011