



# Aviation Investigation Final Report

<b>Location:</b>	SANTA FE, New Mexico	<b>Accident Number:</b>	FTW83LA440
<b>Date &amp; Time:</b>	September 11, 1983, 08:10 Local	<b>Registration:</b>	N2732R
<b>Aircraft:</b>	RAVEN                      S-55A	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT ELECTED TO LAND THE BALLOON BETWEEN 2 POWER LINES. DURING THE LANDING, THE BALLOON IMPACTED ANOTHER POWER LINE THAT WAS INSTALLED ACROSS THE MAIN LINES. ELECTRICAL ARCING OCCURRING OCCURRED. THE BALLOON ATTACHMENT CABLES, SKIRT & GONDOLA WERE SCORCHED & BURNED DURING THE OCCURRENCE. THE PLT SAID HE DIDN'T SEE THE POWER LINE.

## Probable Cause and Findings

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

### Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

#### Findings

1. (F) TERRAIN CONDITION - HIGH OBSTRUCTION(S)
2. (F) OBJECT - WIRE, TRANSMISSION
3. (C) VISUAL LOOKOUT - INADEQUATE - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	34, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	Balloon	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Unknown None	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	313 hours (Total, all aircraft), 313 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	RAVEN	<b>Registration:</b>	N2732R
<b>Model/Series:</b>	S-55A S-55A	<b>Aircraft Category:</b>	Balloon
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	S55A-425
<b>Landing Gear Type:</b>		<b>Seats:</b>	3
<b>Date/Type of Last Inspection:</b>	November 1, 1982 Annual	<b>Certified Max Gross Wt.:</b>	1435 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	Unknown
<b>Airframe Total Time:</b>	155 Hrs	<b>Engine Manufacturer:</b>	
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	
<b>Registered Owner:</b>	GARY S. ROSENBERG	<b>Rated Power:</b>	
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	4000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	Overcast / 4000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	340°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	N/A - None - Rain		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	Unknown
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	35.739536,-105.859878(est)

## Administrative Information

**Investigator In Charge (IIC):** Roth, F.

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=21061>

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