

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

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

## BASIC INFORMATION

### Accident/Incident Location

Nearest City/Place: Teton Village State: WY  
 ZIP: 83025 Country: USA  
 Latitude: 43.5875 Longitude: 110.8279

*(Enter in decimal degrees or degrees:minutes:seconds)*

### Accident/Incident Date/Time

Date: 08/03/2020 Local Time: 08:10 AM  
*mm/dd/yyyy* Time Zone: MST

Collision with Other Aircraft:  Midair  On-ground  None

## AIRCRAFT INFORMATION

Registration Number: N45303  
 Manufacturer: Head  
 Model: AX8-8B  
 Serial Number: 154  
 Year of Manufacture: 1988  
 Amateur-Built:  Yes  No If Yes:  Kit/Plans  Original Design Make: \_\_\_\_\_

- IFR-Equipped and Certified  
 Commercial Space Flight  
 Unmanned Aircraft

Maximum Gross Weight: 1500 lbs  
 Weight at Time of Accident/Incident: 1133 lbs

Number of Seats: \_\_\_\_\_ Flight Crew Seats: 1  
 Cabin Crew Seats: \_\_\_\_\_ Passenger Seats: 3

Number of Engines: 2

### Category of Aircraft

- Airplane  
 Balloon  
 Blimp/Dirigible  
 Glider  
 Gyroplane  
 Helicopter  
 Powered Lift  
 Rocket  
 Ultralight  
 Unknown

### Type of Airworthiness Certificate

*(Check all that apply)*

- | Standard                                    | Special   |
|---|---|
| <input type="checkbox"/> Normal             | <input type="checkbox"/> Restricted               |
| <input type="checkbox"/> Aerobatic          | <input type="checkbox"/> Limited                  |
| <input checked="" type="checkbox"/> Balloon | <input type="checkbox"/> Provisional              |
| <input type="checkbox"/> Commuter           | <input type="checkbox"/> Special Flight           |
| <input type="checkbox"/> Transport          | <input type="checkbox"/> Experimental             |
| <input type="checkbox"/> Utility            | <input type="checkbox"/> Special Light-Sport      |
|   | <input type="checkbox"/> Experimental Light-Sport |
- Certificate of Authorization or Waiver (COA)  
 None  Unknown

### Landing Gear

*(Check all that apply)*

- Retractable
- Tricycle  Tailwheel
- Amphibian  High Skid
- Emergency Float  Skid
- Float  Ski
- Hull  Ski/Wheel
- Other Launch/Recovery System  
 None  Unknown

### Engine Type (Select one)

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input type="radio"/> Reciprocating | <input type="radio"/> Liquid Rocket |
| <input type="radio"/> Turbo Shaft   | <input type="radio"/> Solid Rocket  |
| <input type="radio"/> Turbo Prop    | <input type="radio"/> Hybrid Rocket |
| <input type="radio"/> Turbo Jet     | <input type="radio"/> None          |
| <input type="radio"/> Turbo Fan     | <input type="radio"/> Unknown       |
| <input type="radio"/> Electric      |                                     |
- propeller burners*

### Fuel System Type (Reciprocating)

- Carburetor  Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power <input type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	<u>Cameron</u>	<u>Ultra Double</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			
Eng. 2								
Eng. 3								
Eng. 4								

### Last Inspection Type

- 100-Hour  Continuous Airworthiness  
 AAIP  Conditional Inspection  
 Annual  Unknown

Date Last Inspection: 05/20/2020  
*mm/dd/yyyy*

Airframe Total Time: 141 hrs  
 hours measured at (Select one)  
 Last Inspection  Time of Accident/Incident

### Type of Maintenance Program (Select one)

- Annual  
 Conditional (Amateur-built only)  
 Manufacturer's Inspection Program  
 Other Approved Inspection Program (AAIP)  
 Continuous Airworthiness  
 Other, specify: \_\_\_\_\_

### Description of Fire Extinguishing System

- None  
 Specify: IN Basket

### Propeller 1

- Fixed Pitch  
 Controllable Pitch  
 Ground Adjustable

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_

### Propeller 2

- Fixed Pitch  
 Controllable Pitch  
 Ground Adjustable

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_

ELT Installed:  Yes  No

If Yes:  
 ELT Manufacturer: \_\_\_\_\_  
 Model or Part No.: \_\_\_\_\_  
 TSO No.:  C91 (121.5 MHz)  C91a (121.5 MHz)  
 C126 (406 MHz)

Was ELT still mounted in aircraft?  Yes  No

Was ELT still connected to antenna?  Yes  No

Did ELT Activate?  Yes  No

If activated:

Did ELT Aid in Locating Aircraft?  Yes  No

If not activated:

- Indicate Reason:  Impact Damage  
 Fire Damage  
 Battery Expired/Damaged  
 Unknown

### Additional Equipment (Check all that apply)

- ADS-B  
 Airframe Parachute  
 Angle of Attack Indicator  
 Autopilot  
 Data Recorder  
 Electronic Flight Bag or Handheld Device  
 Electronic Multifunction Display  
 Electronic Primary Flight Display  
 Handheld GPS  
 Heads Up Display  
 Onboard Weather  
 Satellite Tracking Device  
 Stall Warning System  
 Video Recording Device  
 Other, Specify: \_\_\_\_\_

**OWNER/OPERATOR INFORMATION**

**Registered Aircraft Owner**

Name: Richard GLAS / Donald Edwards

City: Phoenix

State: AZ

ZIP: 85078

Fractional Ownership Aircraft:  Yes  No

Country: USA

**Operator of Aircraft**

Same As Registered Owner

Same Address as Registered Owner

Name: Richard GLAS

City: \_\_\_\_\_

Doing Business As: \_\_\_\_\_

State: \_\_\_\_\_

ZIP: \_\_\_\_\_

Air Carrier/Operator Designator (4 Character Code): \_\_\_\_\_

Country: \_\_\_\_\_

**Operating Certificates Held**

(Check all that apply)

- None
- Flag Carrier Operating Certificate (FAR 121)
- Supplemental
- Air Cargo
- Foreign Air Carriers (FAR 129)
- Rotorcraft External Load (FAR 133)
- Commuter Air Carrier (FAR 135)
- On-Demand Air Taxi (FAR 135)
- Commercial Air Tour (FAR 136)
- Agricultural Aircraft (FAR 137)
- Pilot School (FAR 141)
- Certificate of Authorization or Waiver (COA)
- Commercial Space Transportation Experimental Permit
- Commercial Space Transportation License
- Other Operator of Large Aircraft

**Regulation Flight Conducted Under**

- FAR 91     FAR 129     FAR 415
- FAR 103     FAR 133     FAR 431
- FAR 121     FAR 135     FAR 435
- FAR 125     FAR 137     FAR 437
- FAR 91 Special Flight
- Non-US, Commercial
- Non-US, Non-commercial

Public Aircraft (Select one)

- Armed Forces
- Federal
- State
- Local
- Unknown

**Revenue Operation for FAR 121, 125, 129, 135**

(Select one for each group)

- Scheduled or Commuter     Domestic
- Non-Scheduled or Air Taxi     International
- Passenger
- Cargo
- Mail Contract Only

**Purpose of Flight for FAR 91, 103, 133, 137**

(Select one)

- Aerial Application     Firefighting     Unknown
- Aerial Observation     Flight Test
- Air Drop     Glider Tow
- Air Race/Show     Instructional
- Banner Tow     Other Work Use
- Business     Personal
- Executive/Corporate     Positioning
- External Load     Skydiving
- Ferry

**Revenue Sightseeing Flight**

Yes     No

**Air Medical Flight**

Yes     No

**AIRPORT INFORMATION** (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)

Airport Name: \_\_\_\_\_

Airport Identifier: \_\_\_\_\_

Proximity to Airport:  Off Airport/Airstrip     On Airport/Airstrip     N/A

Distance From Airport Center: \_\_\_\_\_ sm

Direction From Airport: \_\_\_\_\_ degrees true

Airport Elevation: \_\_\_\_\_ ft. msl

**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
- Dirt     Ice     Snow     Unknown

**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
- Slush-Covered     Vegetation     Unknown

**Approach/Departure Segment** (Select one)

- Taxi     VFR Departure     On Instrument Approach     Downwind     Low Approach
- Takeoff     IFR Departure Procedure/Clearance     Landing     Base     Go Around
- Initial Climb     Final     Crosswind     Aborted Landing (after touchdown)
- Unknown

**IFR Approach** (Check all that apply)

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

**VFR Approach** (Check all that apply)

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

**"FLIGHT CREWMEMBER 1" INFORMATION**

**"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident**

- Pilot  
  Co-Pilot  
  Student Pilot  
  Flight Instructor  
  Check Pilot  
  Flight Engineer  
  Other Flight Crew

"Flight Crewmember 1" was pilot flying  Yes  No

**"Flight Crewmember 1" Identification**

First Name: Richard      City of Residence: Phoenix  
 Middle Initial: M      State: AZ      ZIP: 85078  
 Last Name: Glas      Country: USA  
 Age at time of Accident/Incident: 76      Date of Birth: [REDACTED]      mm/dd/yyyy  
 Certificate Number: [REDACTED]

<b>Degree of Injury</b> <input checked="" type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious	<b>Seat Occupied</b> <u>N/A</u> <input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	<b>Restraint Type</b> <table style="width:100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input checked="" type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input type="radio"/> 4-point</td> <td><input type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input checked="" type="radio"/> None	<input checked="" type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
<input checked="" type="radio"/> None	<input checked="" type="radio"/> None																
<input type="radio"/> Lap only	<input type="radio"/> Lap only																
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<input type="radio"/> 5-point	<input type="radio"/> 5-point																
<input type="radio"/> Unknown	<input type="radio"/> Unknown																
<b>Pilot Certificate(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> US Military <input checked="" type="checkbox"/> Private <u>Fixed Wing</u> <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Medical Certificate Validity</b> <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance															
<b>Principal Occupation</b> <input type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown	<b>Medical Certificate</b> <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	<b>Date of Last Medical</b> _____ mm/dd/yyyy															

**Medical Certificate Limitations**

**Medical Certificate Special Issuance**

**Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:** 05/25/2020      mm/dd/yyyy  
**Flight Review Aircraft**  
 Make: Lindstrand  
 Model: A180

<b>Airplane Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input checked="" type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	<b>Other Aircraft Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airship <input checked="" type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instrument Rating(s)</b> (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instructor Rating(s)</b> (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport
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**Type Ratings** \_\_\_\_\_

**Student Endorsements** (Include dates) \_\_\_\_\_

Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	5195±	20	65							5130±
Pilot in Command (PIC)										5130±
Time as Instructor										
This Make/Model										
Last 90 Days	20	20								
Last 30 Days	15	15								
Last 24 Hours	1	1								

**"FLIGHT CREWMEMBER 2" INFORMATION**

**"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident**

- Pilot  
  Co-Pilot  
  Student Pilot  
  Flight Instructor  
  Check Pilot  
  Flight Engineer  
  Other Flight Crew

**"Flight Crewmember 2" was pilot flying**    Yes    No

**"Flight Crewmember 2" Identification**

First Name: \_\_\_\_\_ City of Residence: \_\_\_\_\_  
 Middle Initial: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Last Name: \_\_\_\_\_ Country: \_\_\_\_\_  
 Age at time of Accident/Incident: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ mm/dd/yyyy  
 Certificate Number: \_\_\_\_\_

<b>Degree of Injury</b> <input type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious	<b>Seat Occupied</b> <input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	<b>Restraint Type</b> <table style="width:100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td><input type="radio"/> None</td> <td><input type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input type="radio"/> 4-point</td> <td><input type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input type="radio"/> None	<input type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
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<input type="radio"/> Lap only	<input type="radio"/> Lap only																
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<input type="radio"/> 4-point	<input type="radio"/> 4-point																
<input type="radio"/> 5-point	<input type="radio"/> 5-point																
<input type="radio"/> Unknown	<input type="radio"/> Unknown																
<b>Pilot Certificate(s)</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Medical Certificate Validity</b> <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance															
<b>Principal Occupation</b> <input type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown	<b>Medical Certificate</b> <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	<b>Date of Last Medical</b> _____ mm/dd/yyyy															

**Medical Certificate Limitations**

\_\_\_\_\_

**Medical Certificate Special Issuance**

\_\_\_\_\_

<b>Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:</b> _____ mm/dd/yyyy	<b>Flight Review Aircraft</b> Make: _____ Model: _____
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<b>Airplane Rating(s)</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	<b>Other Aircraft Rating(s)</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instrument Rating(s)</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instructor Rating(s)</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift  <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport
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<b>Type Ratings</b>	<b>Student Endorsements</b> <i>(Include dates)</i>
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Flight Time <i>(Enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

**ADDITIONAL FLIGHT CREWMEMBERS** (Exclusive of cabin crew; complete the following information)

<b>Crew Name and Address</b>		<b>Seat Occupied</b>		<b>Injury</b>
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown		<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
<b>Pilot Certificate(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Restraint Type:</b> <b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown		<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs		

<b>Crew Name and Address</b>		<b>Seat Occupied</b>		<b>Injury</b>
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown		<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
<b>Pilot Certificate(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Restraint Type:</b> <b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown		<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs		

**PASSENGER(S) / OTHER PERSONNEL** (Include cabin crew; continue on separate sheet if necessary)

Name and Address	Seat	Injury	Restraint Type	Inflatable Restraints	Age
First Name: <u>Ken</u> City: _____ Middle Initial: <u>I</u> State: _____ ZIP: _____ Last Name: <u>Ketner</u> Country: <u>USA</u> <input type="radio"/> Crew <input checked="" type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input checked="" type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input checked="" type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input checked="" type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: <u>Cheri</u> City: _____ Middle Initial: _____      State: _____ ZIP: _____ Last Name: <u>Ketner</u> Country: <u>USA</u> <input type="radio"/> Crew <input checked="" type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input checked="" type="radio"/> Unknown Row: _____	<input checked="" type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input checked="" type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: _____      City: _____ Middle Initial: _____      State: _____ ZIP: _____ Last Name: _____      Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: _____      City: _____ Middle Initial: _____      State: _____ ZIP: _____ Last Name: _____      Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown

# FLIGHT ITINERARY INFORMATION

<b>Last Departure Point</b> Airport ID: _____ City: _____ State: <u>WY</u> Country: <u>USA</u>	<b>Time of Departure</b> Time: <u>07:10</u> Time Zone: <u>MST</u>	<b>Destination</b> Airport ID: _____ City: _____ State: _____ Country: _____	<b>Type Flight Plan Filed</b> <input checked="" type="radio"/> None <input type="radio"/> Company VFR <input type="radio"/> Military VFR <input type="radio"/> VFR <input type="radio"/> VFR/IFR <input type="radio"/> IFR <input type="radio"/> Unknown Activated? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
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**Type of ATC Clearance/Service** (Check all that apply)

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Special VFR	<input type="checkbox"/> Special IFR	<input type="checkbox"/> VFR Flight Following	<input type="checkbox"/> Cruise
<input checked="" type="checkbox"/> VFR	<input type="checkbox"/> IFR	<input type="checkbox"/> VFR On Top	<input type="checkbox"/> Traffic Advisory	<input type="checkbox"/> Unknown / NA

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

<input type="checkbox"/> Class A	<input type="checkbox"/> Class G	<input type="checkbox"/> Military Operations Area (MOA)	<input type="checkbox"/> Special
<input type="checkbox"/> Class B	<input type="checkbox"/> Demo Area	<input type="checkbox"/> Airport Advisory Area	<input type="checkbox"/> Air Traffic Control Area
<input type="checkbox"/> Class C	<input type="checkbox"/> Warning Area	<input type="checkbox"/> Jet Training Area	<input type="checkbox"/> Unknown
<input type="checkbox"/> Class D	<input type="checkbox"/> Prohibited Area	<input type="checkbox"/> TRSA	
<input type="checkbox"/> Class E	<input type="checkbox"/> Restricted Area	<input type="checkbox"/> FAR 93	

**Altitude of In-Flight Occurrence:** \_\_\_\_\_ ft msl

## WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

<b>Source of Pilot Weather Information</b> (Check all that apply) <input checked="" type="checkbox"/> National Weather Service <input type="checkbox"/> Flight Service Station <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> On-Board Weather <input type="checkbox"/> Company <input type="checkbox"/> Military <input checked="" type="checkbox"/> Internet <input type="checkbox"/> None <input type="checkbox"/> Unknown	<b>Weather Observation Facility</b> Facility ID: <u>KJAC / KDIT</u> Observation Time: <u>05:00</u> Time Zone: <u>MST</u> Distance from Accident Site: <u>KJAC-5</u> nm Direction from Accident Site: <u>NE</u> degrees true
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<b>Basic Conditions</b> <input checked="" type="radio"/> VMC <input type="radio"/> IMC <input type="radio"/> Unknown	<b>Light Condition</b> <input type="radio"/> Dawn <input checked="" type="radio"/> Day <input type="radio"/> Dusk <input type="radio"/> Night <input type="radio"/> Dark Night <input type="radio"/> Unknown <input type="radio"/> Bright Night
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<b>Sky/Lowest Cloud Condition</b> <input type="radio"/> Clear <input type="radio"/> Few <input type="radio"/> Partial Obscuration <input type="radio"/> Scattered <input type="radio"/> Thin Broken <input type="radio"/> Thin Overcast <input type="radio"/> Unknown <b>Lowest Cloud Condition Height</b> <u>4000</u> ft agl	<b>Ceiling</b> <input type="radio"/> None (Clear) <input checked="" type="radio"/> Broken <input type="radio"/> Overcast <input type="radio"/> Obscured <input type="radio"/> Indefinite <input type="radio"/> Unknown <b>Ceiling Height</b> <u>14,000</u> ft agl	<b>Temperature:</b> <u>18</u> (C) or _____ (F) <b>Dew Point:</b> <u>06</u> (C) or _____ (F) <b>Altimeter Setting:</b> <u>N/A</u> in. Hg or _____ MB
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<b>Wind Direction</b> <input type="checkbox"/> Variable -or- Direction: <u>300</u> degrees true	<b>Wind Speed</b> <input type="checkbox"/> Calm <input checked="" type="checkbox"/> Light and Variable -or- Speed: _____ kts	<b>Wind Gusts</b> <input type="checkbox"/> Not Gusting -or- Speed: <u>20+</u> kts	<b>Visibility</b> <u>10+</u> miles RVR: _____ feet RVV: _____ miles <b>Density Altitude:</b> _____ ft
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<b>Intensity of Precipitation</b> <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input checked="" type="radio"/> N/A <input type="radio"/> Unknown	<b>Type of Precipitation</b> (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Hail <input type="checkbox"/> Rain Showers <input type="checkbox"/> Drizzle <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Snow Grains <input type="checkbox"/> Ice Crystals <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Snow Shower <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Freezing Drizzle	<b>Restriction to Visibility</b> (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Dust <input type="checkbox"/> Fog <input type="checkbox"/> Ground Fog <input type="checkbox"/> Haze <input type="checkbox"/> Ice Fog <input type="checkbox"/> Smoke <input type="checkbox"/> Unknown
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<b>Icing Forecast</b> Amount <input checked="" type="radio"/> None <input type="radio"/> Trace <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Severe <input type="radio"/> Unknown Type <input type="radio"/> N/A <input type="radio"/> Rime <input type="radio"/> Clear <input type="radio"/> Mixed <input type="radio"/> Unknown	<b>Icing Actual</b> Amount <input checked="" type="radio"/> None <input type="radio"/> Trace <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Severe <input type="radio"/> Unknown Type <input type="radio"/> N/A <input type="radio"/> Rime <input type="radio"/> Clear <input type="radio"/> Mixed <input type="radio"/> Unknown	<b>Turbulence</b> Type (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Clear Air <input type="checkbox"/> Terrain-Induced <input type="checkbox"/> Convective Turbulence Severity <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/> Extreme
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NOTAMs (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

NONE

# NTSB Narrative History of Flight - N45303

August 03, 2020

04:45 Checked weather at our office at the North end of East Gros Ventre Butte , approximately 4 miles North of Jackson, WY and approximately 4 miles east of the landing site. Met with 2 other experienced pilot and went over all available sources for the flight. All pilots agreed that everything looked good for the morning.

07:10 (Approx). Passengers boarded the balloon and gave my normal preflight briefing which included where to hold on and that upon landing to stay in the basket until I asked them to exit. Also to follow any other instructions I may have for them. Took off from our standard launch site in very calm winds.

Had a very normal flight for 50+ minutes, changing direction by changing altitude as is normal for this area.

08:05 (Approx). Heading in a Southwesterly direction the winds picked up to 11 mph (on GPS) then abruptly changed direction approximately 180 degrees to a Northwesterly direction and picked up to over 20 mph (estimated) driving the aircraft into the ground and dragging on its side over 30 yards to a stop. I checked the passengers for medical condition and found Mr Ketner sustained a broken ankle. Mrs Ketner said she was ok and she appeared to be in good condition. I had crew call 911 and dispatched aid to the site.



**DAMAGE TO AIRCRAFT AND OTHER PROPERTY**

**Aircraft Damage**

- None
- Substantial
- Minor
- Destroyed
- Unknown

**Aircraft Fire**

- None
- Both Ground and In-Flight
- In-Flight
- Fire at Unknown Time
- On-Ground
- Unknown

**Aircraft Explosion**

- None
- Both Ground and In-Flight
- In-Flight
- Explosion at Unknown Time
- On-Ground
- Unknown

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

None

**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 departure time and location, services obtained, and intended destination. Provide as much detail as possible.

Attached



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

Operator/Owner Safety Recommendation

**MECHANICAL MALFUNCTION/FAILURE** (If more space is needed, continue on separate sheet)

Was there Mechanical Malfunction/Failure?  Yes  No  
 (If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

Total Time/Cycles On Part

\_\_\_\_\_ Hours  
 \_\_\_\_\_ Cycles

Time Since This Part Inspected/Overhauled

\_\_\_\_\_ Hours

**FUEL & SERVICES INFORMATION**

Fuel on Board at Last Takeoff  
 (Convert from pounds, as necessary)

40 Gallons

Fuel Type

- 80/87                       115/145                       Jet B  
 100 Low Lead               Jet A                           JP8  
 100/130                       Jet A-1                       Automotive

Other, specify propane

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

**OTHER AIRCRAFT - COLLISION** (If air or ground collision occurred, complete this section for *other* aircraft)

Aircraft Registration Number

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_

Damage to Other Aircraft

- Destroyed                       Minor  
 Substantial                       None

Registered Owner of Other Aircraft

Pilot of Other Aircraft

Name: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Country: \_\_\_\_\_

Name: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Country: \_\_\_\_\_

**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  
08/31/20  
mm/dd/yyyy

Name of Pilot/Operator: Richard GLAS  
Signature: \_\_\_\_\_  
-- or --  Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_  
-- or --  Check here to electronically sign this document

**FOR NTSB USE ONLY**

NTSB Accident/Incident No. WPR20CA262	Reviewed by NTSB Regional Office WPR	Name of Investigator Eleazar Nepomuceno	Date Report Received 9/1/2020
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