# NATIONAL TRANSPORTATION SAFETY BOARD NTSB Form 6120.1 PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

Email the pilot/operator aircraft accident/incident report to the investigator-in-charge of your accident/incident. If email is not available, mail the report per the instructions below.

If your accident/incident occurred in Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, the District of Columbia, Puerto Rico, or the US Virgin Islands, send the form to: NTSB, ERA, 45065 Riverside Parkway, Ashburn, VA 20147.

If your accident/incident occurred in Ohio, Michigan, Indiana, Wisconsin, Illinois, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Colorado, or New Mexico, send the form to: NTSB, CEN, 4760 Oakland Street, Suite 500, Denver, CO 80239.

If your accident/incident occurred in Montana, Wyoming, Idaho, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, or the territories of Guam or American Samoa, send the form to: NTSB, WPR, 505 South 336th Street, Suite 540, Federal Way, WA 98003.

If your accident/incident occurred in Alaska, send the form to: NTSB, ANC, 222 West 7th Avenue, Room 216, Box 11, Anchorage, AK 99513.

Rules pertaining to notification of aircraft accidents and incidents, as well as overdue aircraft are found in 49 Code of Federal Regulations (CFR) Part 830 http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/Title49/49cfr830\_main\_02.tpl. These rules state the authority of the NTSB, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification of accidents and incidents by aircraft pilots/operators.

#### A. APPLICABILITY

The pilot/operator of an aircraft shall send a report to the office listed above, based on accident/incident location; immediate notification is required by 49 CFR 830.5(a). The report shall be filed within 10 days after an accident for which notification is required by Section 830.5, or after 7 days if an overdue aircraft is still missing.

An aircraft accident, as defined in 49 CFR 830.2, is determined as an occurrence that involves a fatality or serious injury, or substantial damage to the aircraft. For occurrences that do not involve a fatality, the determination that the occurrence is an accident can be appealed by writing to the Director, Office of Aviation Safety, NTSB, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The NTSB uses this form for aircraft accident prevention activities and for statistical purposes. NTSB regulations (49 CFR Part 830) require that ALL questions be answered completely and accurately. Completion of this form will take approximately 60 minutes. The NTSB does not guarantee the privacy of any information provided in this form. You need not complete this form unless it displays a valid OMB control number, in accordance with 5 C.F.R. § 1320.5(b), which applies to this collection of information.

#### **B. DEFINITIONS**

- 1. "Aircraft Accident" means an occurrence associated with the operation of an aircraft that takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death, or serious injury, or in which the aircraft receives substantial damage. For purposes of this form, the definition of "aircraft accident" includes "unmanned aircraft accident," as defined at 49 CFR 830.2.
- 2. "Substantial Damage" means damage or failure that adversely affects the structural strength, performance or flight characteristics of the aircraft, and that would normally require major repair or replacement of the affected component. NOTE: Engine failure or damage limited to an engine if only one engine fails or is damaged, bent fairing or cowling, dented skin, small puncture holes in the skin or fabric, ground damage to rotor or propeller blades, and damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wing tips are not considered "substantial damage" for purposes of this report.
- 3. "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.
- 4. "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.
- 5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

### INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM

It is necessary that ALL questions on this report be answered completely and accurately.

If more space is needed, continue on a blank sheet of paper.

Nearest City/Place: Use the name of the nearest community in the state where the accident/incident occurred.

Date/Time: Indicate the date and local time of the event. Be sure to indicate the time zone.

Phase of Operation: Indicate the phase of operation during which the accident/incident occurred.

Aircraft Information: Enter aircraft make and model information as indicated on the aircraft registration certificate, including series. If the involved aircraft is certified as "amateur-built," include the name of the producer of the kit or plans, unless an NTSB employee instructs otherwise.

Maximum Gross Weight: Enter the certificated maximum gross weight for the aircraft involved in the occurrence. This should be the same as the maximum gross weight indicated on the aircraft weight and balance documents.

Engine: Enter engine make and model information as indicated on the engine data plate.

Type of Fire Extinguishing System: If a fire extinguishing system was used to fight an aircraft fire, specify the type(s) of extinguishing system(s) used. Examples include handheld extinguisher, engine fire bottle, cargo/baggage compartment fire suppression system, or airport emergency ground equipment.

Owner/Operator Information: Enter the owner information as shown on the registration certificate. Commercial operators, enter the operator information, including "doing business as" when applicable, as shown on the operator certificate.

Revenue Sightseeing Flight: Indicate whether the accident aircraft was conducting **revenue** sightseeing operations under 14 CFR Part 91 at the time of the accident.

Air Medical Flight: Indicate whether the accident flight was being conducted for the purpose of carrying medical personnel, patient(s), or organs.

Public Aircraft: Federal, state or local government flight operations such as official travel, law-enforcement, low-level observation, aerial application, firefighting, search and rescue, biological or geological resource management, or aeronautical research. Indicate whether the flight was conducted by the armed forces, federal, state, or local government.

Purpose of Flight: 14 CFR Parts 91, 103, 133, 136, and 137: Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

AERIAL APPLICATION--Operations using an aircraft to perform aerial application or dispersion of any substance. Examples include agricultural, health, forestry, cloud seeding, firefighting, insect control, etc.

AERIAL OBSERVATION--These flights include aerial mapping/photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.

AIR DROP--Aerial operations, other than aerial application, that are intended to release items in flight.

AIR RACE/SHOW--Includes any flight operations conducted as part of an organized air race or public demonstration.

BUSINESS--includes all personal flying without a paid professional crew for reasons associated with furthering a business, including transportation to and from business meetings or work. This does not include corporate/executive operations, air taxi, or commuter operations.

EXECUTIVE/CORPORATE--Company flying with a paid professional crew.

FERRY--Non-revenue flight under a special flight or "ferry" permit. Refer to 14 CFR 21.197 for details of special flight permit issuance.

FLIGHT TEST--Flight for the purpose of investigating the flight characteristics of an aircraft/aircraft component or evaluating an applicant for a pilot certificate or rating.

INSTRUCTIONAL--Flying while under the supervision of a flight instructor or receiving air carrier training. Personal proficiency flight operations and personal flight reviews, as required by federal air regulations, are excluded.

OTHER WORK USE--Miscellaneous flight operations conducted for compensation or hire such as construction work (not 14 CFR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

PERSONAL--Flying for personal reasons (excludes business transportation) including pleasure or personal transportation. This also includes practice or proficiency flights performed under flight instructor supervision and not part of an approved flight training program.

POSITIONING--Non-revenue flight conducted for the primary purpose of relocating the aircraft. Examples include moving the aircraft to a maintenance facility or to load passengers or cargo etc.

UNKNOWN--Use only if the primary purpose of flight is not known.

Other Aircraft--Collision: For all accidents involving a collision with another aircraft, including parked aircraft, check "Collision with other aircraft" under Basic Information and complete this section indicating details about the OTHER aircraft involved in the collision.

Airport Information: Complete this section if the accident/incident occurred on approach, landing, takeoff, departure, or within 3 statute miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

Airport Identifier: Provide the official 3 or 4 character airport identifier number.

Runway: Indicate the number of the runway used, including L, R, or C if applicable.

Runway/Landing Surface: Indicate the type of intended runway/landing surface (do not indicate surface conditions). If the surface type was mixed, check all that apply.

Condition of Runway/Landing Surface: Indicate the condition of the intended runway/landing surface. If multiple conditions existed at the time of the accident, check all that apply.

Weather Information at the Accident/Incident Site: Indicate the weather conditions reported at the accident/incident site at the time of occurrence. If no weather reporting was available for the accident/incident site, indicate the reported conditions at the nearest reporting site. Specify the weather reporting site identifier, the observation time, and distance from the accident/incident.

Sky/Lowest Cloud Condition: Indicate the height above ground level of the lowest cloud condition present at the time of the accident/incident and whether coverage was reported as few, scattered, broken or overcast. Also indicate the height above ground level and coverage of the lowest cloud ceiling present at the time of the accident/incident (reported as broken or overcast).

NOTAMS (*D* and *FDC*), *AIRMETs*, *SIGMETs*, *PIREPs*: Describe all NOTAMS (distant (D) or Flight Data Center (FDC), if known), AIRMETs, SIGMETs, and PIREPs in effect near the accident/incident.

Flight Crewmember Information: Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators "Flight Crewmember 1" and "Flight Crewmember 2" do not refer to a specific pilot position or responsibility. If more than one pilot is aboard, they may be entered in any order and their capacity entered as appropriate.

Degree of Injury: See Definitions on the top half of Page 1 of the instructions. Minor injury is not defined. If an injury does not meet the criteria for another injury category, select Minor.

Date of Last Flight Review or Equivalent: Enter the date of the most recent flight review, or equivalent, completed by this pilot. Refer to 14 CFR 61.56 for accepted equivalents.

Type Ratings: List all type ratings on the pilot certificate. If the pilot holds no type ratings indicate "none." If the pilot holds a pilot certificate other than student and was flying an aircraft requiring an endorsement, enter the type and date of any logbook endorsement(s) for that aircraft. See 14 CFR 61 for examples of required endorsements.

Student Endorsements: If the pilot holds a student pilot certificate, enter all solo endorsements and dates on the student pilot certificate.

Flight Time: Complete the flight time matrix. Solo flight time should be included as "Pilot-in-Command (PIC)" and all dual flight instruction given should be included as "Time as Instructor."

Additional Flight Crewmembers: Complete this section if there were more than two required flight crewmembers on the aircraft. This also includes a check airman performing official duties but does not include cabin crew. State the capacity served by each included crewmember at the time of the accident.

Passenger(s)/Other Personnel: Enter identification and injury severity information for all passengers, cabin crew, and other personnel involved in the accident. See Page 1 of the instructions for the official definition of injury levels.

Several questions throughout the form allow for multiple responses; when appropriate, choose all responses that apply.

These instructions only pertain to major issue areas covered by NTSB Form 6120.1 *Pilot/Operator Aircraft Accident/Incident Report.* For additional definitions of questions and responses, please refer to www.ntsb.gov.

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

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

| BASI  | C INFORMA                                     | TION                |                     |             |  |                            |  |                 |                 |                          |                      |                    |                    |
|---|---|---------------------|---------------------|-------------|--|----------------------------|--|-----------------|-----------------|--------------------------|----------------------|--------------------|--------------------|
| Accide  | nt/Incident Loc                               | ation               |                     |             |  |                            | Accident/Incident Date/Time  |                 |                 |                          |                      |                    |                    |
|   | City/Place: Good                              |                     |                     |             | _State: _  | \z                         | Date:  | : 01/2          | 25/2020         | Lo                       | cal Time:            | 0855               |                    |
| ZIP: <u>85</u>  | <u>323                                   </u> | Country: US         | Α                   |             |  |                            |  | mm/da           | l/yyyy          | т:.                      | Zana.                | MOT                |                    |
| Latitude  | ·   |                     | Longitude:          |             |  |                            |  |                 |                 | 111                      | ne Zone: _           | MST                |                    |
|   | (Enter in decima                              | l degrees or a      | legrees:minutes:sec | conds)      |  |                            | Coll   | lision with     | Other Air       | eraft: C                 | <b>)</b> Midair      | OOn-groun          | d <b>O</b> None    |
| AIRC  | RAFT INFO                                     | RMATIO              | N                   |             |  |                            |  |                 |                 |                          |                      |                    |                    |
| Registration Number: N399A  |   |                     |                     |             |  |                            | IFR-Equip  |                 |                 |                          |                      |                    |                    |
| Manufacturer: James Merwin  |   |                     |                     |             | ☐ Commercial Space Flight ☐ Unmanned Aircraft                                |                            |  |                 |                 |                          |                      |                    |                    |
| Model:  | Kit Fox                                       |                     |                     |             |  |                            | Ma   | ximum Gr        | oss Weigh       | t: <u>1320</u>           |                      | lbs                |                    |
| Serial N  | Number:                                       |                     |                     |             |  |                            | We   | ight at Tin     | ne of Accid     | ent/Inci                 | dent:                |                    | _lbs               |
| Year of   | Manufacture:                                  | 2019                |                     |             |  |                            | Nur  | mber of Se      | ats: 2          |                          | Flight Cre           | w Seats: 2         |                    |
| Amateu  |   |                     | Kit/Plans Mal       | ce: Kit Fox | 1  |                            | Cabi   | in Crew Seat    | s:              |                          | Passenger            | Seats:             |                    |
|   | ONo   | (                   | Original Design     |             |  |                            | Nur  | mber of En      | gines: 1        |                          |                      |                    |                    |
|   | ry of Aircraft                                |                     | irworthiness Ce     | rtificate   |  | Landing Gea                |  |                 |                 |                          | Type (Se             |                    |                    |
| <ul><li>Airpl</li><li>Ballo</li></ul>                                       |   | (Check all to       | 11 07               |             |  | (Check all that            |  | ctable          |                 | O Reci                   | procating<br>o Shaft | OLiqui<br>OSolid   | d Rocket<br>Rocket |
| OBlim   | Dirigible                                     | ■ Norma             | l Restric           |             |  | Tricycle                   | icciiac  |                 | ailwheel        | O Turb                   |                      | OHybri             | d Rocket           |
| OGlide<br>OGyro   |   | ☐ Aerob<br>☐ Balloo |                     |             |  |                            | _  |                 |                 | O Turb<br>O Turb         |                      | ONone<br>OUnkn     |                    |
| OHelic  | opter   | Comm                | uter                |             |  | ☐ Amphibian ☐ Emergency    |  |                 | igh Skid<br>cid | O Elect                  |                      | Othkn              | own                |
| O Powe  |   | ☐ Transp            |                     |             |  | □Float<br>□Hull            |  | □SI             |                 |                          |                      |                    |                    |
| OUltra  |   | □ Culity            | ☑ Experii           |             |  |                            | □Ski/Wheel Fuel System Type (Reciprocating)  □Carburetor □Fuel-Injecte |                 |                 |                          |                      |                    |                    |
| OUnkn   | own   | ☐Certificate        | of Authorization    |             | _ [  | ☐ Other Lau                | nch/R  | Recovery Sys    | tem             | <b>⊙</b> Carb            | uretor               | O Fuel-            | Injected           |
|   |   | □None               | <u>_</u>            | Unknown     |  | ☐ None                     | _  |                 | nknown          |                          |                      |                    |                    |
|   |   |                     | Engine              |             | Manuf  | acturer's                  |  | Date<br>of Mfg. | O Horsep        |                          | Total<br>Time        | Time<br>Inspection |                    |
| Engine  | Engine Manufa                                 | cturer              | Model/Series        |             | Serial I   | Number                     |  | mm/dd/yyyy      | O lbs of        | Thrust                   | (hours)              | (hours)            | (hours)            |
| Eng. 1  | Rotax   |                     | 912                 |             |  |                            | +  |                 |                 |                          |                      |                    |                    |
| Eng. 2<br>Eng. 3  |   |                     |                     |             |  |                            | +  |                 |                 |                          |                      |                    |                    |
| Eng. 4  |   |                     |                     |             |  |                            | +  |                 |                 |                          |                      |                    |                    |
| Last In   | spection Type                                 |                     |                     | Propello    | er 1   | ●Fixed Pi                  |  | Ditah           | Prope           | eller 2                  | _                    | Fixed Pitch        | Dital              |
| О100-Н  | our OCont                                     | inuous Airwo        |                     |             | OControllable Pitch OGround Adjustable OGround Adjustable OGround Adjustable |                            |  |                 |                 |                          |                      |                    |                    |
| O AAIP<br>O Annu  | OCono   | ditional Inspec     | ction               | Manufac     | turer:   |                            |  |                 | Manu            | facturer:                |                      |                    |                    |
| Data  | ai Oliki                                      | nown                |                     | Model: _    |  |                            |  |                 | Mode            | 1:                       |                      |                    |                    |
| Date L  | ast Inspection:                               | mm/dd/yv            | ·vv                 | ELT In      | stalled:   | OYes Of                    | No   |                 |                 | _                        | ipment (             | Check all that     | apply)             |
| Airfran   | ne Total Time:                                |                     | hrs                 | If Yes:     |  |                            |  |                 | ✓ AD:           | S-B<br>rame Para         | chute                |                    |                    |
|   | rs measured at (S                             |                     |                     |             |  | er:<br>.:                  |  |                 | Ang             | le of Atta               | ck Indicato          | r                  |                    |
|   | ast Inspection                                |                     |                     |             |  | <br>(121.5 MHz) <b>O</b>   |  | a (121.5 MHz    | Z) Aut          | opilot<br>a Recorde      |                      |                    |                    |
| Type of Maintenance Program (Select one) OC126 (406 MHz)                    |   |                     |                     | (406 MHz)   |  |                            |  |                 |                 | Handheld De              | vice                 |                    |                    |
| O Annual O Conditional (Amateur-built only)  Was ELT still mounted in aircr |   |                     |                     |             |  |                            | □ P1   |                 | ltifunction     |                          |                      |                    |                    |
| O Manu  | facturer's Inspect                            | ion Program         |                     |             |  | nected to anten? OYes ON   |  | OYes ONo        |                 | dheld GPS                | mary Fligh<br>S      | Display            |                    |
|   | Approved Inspec                               |                     | (AAIP)              | If activa   |  | . Ores Or                  | 10   |                 |                 | ds Up Dis                |                      |                    |                    |
|   | , specify:                                    |                     |                     |             |  | ocating Aircraf            | ft: O  | Yes ONo         |                 | oard Wea<br>llite Tracl  | ther<br>cing Device  | •                  |                    |
|   | otion of Fire Ex                              | tinguishing         | System              |             | ctivated:  |                            |  |                 | ☐ Stal          | Warning                  | System               |                    |                    |
| O None<br>O Spec  |   |                     |                     | Indicate    | Reason:  | Impact Dan                 |  |                 |                 | eo Record<br>er, Specify | ing Device           |                    |                    |
| O spec  | шу.   |                     |                     |             |  | ☐ Fire Damag ☐ Battery Exp | ge<br>pired/   | Damaged         |                 | ,peens                   |                      |                    |                    |
|   |   |                     |                     |             |  | ✓ Unknown                  |  | <u> </u>        |                 |                          |                      |                    |                    |

| OWNER/OPERATOR INFORMA   | ATION   |   |  |  |  |  |
|--|---|---|--|--|--|--|
| Registered Aircraft Owner  |   | City:   |  |  |  |  |
| Name: James Merwin   |   | State: ZIP:   |  |  |  |  |
| Fractional Ownership Aircraft: O Yes O   | No  | Country:  |  |  |  |  |
| Operator of Aircraft   | gistered Owner  | ☐ Same Address as Registered Owner  |  |  |  |  |
| Name: James Merwin   |   | City:   |  |  |  |  |
| Doing Business As:   |   | State: ZIP:   |  |  |  |  |
| Air Carrier/Operator Designator (4 Characte  | er Code):   | Country:  |  |  |  |  |
| Operating Certificates Held (Check all that apply)   | Regulation Flight Conducted Un  | Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)  |  |  |  |  |
| ☑ None □ Flag Carrier Operating Certificate (FAR 121) □ Supplemental □ Air Cargo □ Foreign Air Carriers (FAR 129) □ Rotorcraft External Load (FAR 133)   | OFAR 91 OFAR 129 OFAR OFAR 103 OFAR 133 OFAR OFAR 121 OFAR 135 OFAR OFAR 125 OFAR 137 OFAR OFAR 91 Special Flight | O Scheduled or Commuter O Non-Scheduled or Air Taxi O Passenger O Cargo   |  |  |  |  |
| Commuter Air Carrier (FAR 135)   | O Non-US, Commercial<br>O Non-US, Non-commercial  | O Mail Contract Only  |  |  |  |  |
| ☐ On-Demand Air Taxi (FAR 135) ☐ Commercial Air Tour (FAR 136) ☐ Agricultural Aircraft (FAR 137) ☐ Pilot School (FAR 141)  | OPublic Aircraft (Select one) O Armed Forces  | Purpose of Flight for FAR 91, 103, 133, 137 (Select one)  |  |  |  |  |
| □ Certificate of Authorization or Waiver (COA) □ Commercial Space Transportation Experimental Permit □ Commercial Space Transportation License □ Other Operator of Large Aircraft  |   | O Aerial Application O Aerial Observation O Air Drop O Air Race/Show O Banner Tow O Business O Executive/Corporate O Aerial Observation O Firefighting O Unknown O Flight Test O Glider Tow O Instructional O Other Work Use O Personal O Positioning |  |  |  |  |
| Revenue Sightseeing Flight   | Air Medical Flight  | O External Load O Skydiving   |  |  |  |  |
|  | e e   | 1 01411   |  |  |  |  |
| O Yes O No   | O Yes O No  |   |  |  |  |  |
|  |   | oproach, landing, takeoff, departure, or within 3 miles of an airport)  |  |  |  |  |
| AIRPORT INFORMATION (Fill in   | if accident/incident occurred on app  | oproach, landing, takeoff, departure, or within 3 miles of an airport)  |  |  |  |  |
| AIRPORT INFORMATION (Fill in Airport Name: Phoenix Goodyear Airport Identifier: GYR Proximity to Airport: O Off Airport/Airstri  | if accident/incident occurred on app  | Distance From Airport Center:4 sm Direction From Airport: degrees true Airport Elevation: 978 ft. msl   |  |  |  |  |
| AIRPORT INFORMATION (Fill in  Airport Name: Phoenix Goodyear  Airport Identifier: GYR  | p On Airport/Airstrip ON/A  OOO ft Width: 150 ft  apply) adam Water I/Wood  | Distance From Airport Center:4 sm Direction From Airport: degrees true  |  |  |  |  |
| AIRPORT INFORMATION (Fill in  Airport Name: Phoenix Goodyear  Airport Identifier: GYR  Proximity to Airport: Off Airport/Airstrig  Runway Information  Runway ID: 21 (L/R/C) Length: 10  Runway/Landing Surface (Check all that of Check all that of C | p On Airport/Airstrip ON/A  O000 ft Width: 150 ft  Opply) Odam  | Distance From Airport Center:4 sm  Direction From Airport: degrees true  Airport Elevation: 978 ft. msl  Condition of Runway/Landing Surface (Check all that apply)  Dry  |  |  |  |  |
| AIRPORT INFORMATION (Fill in  Airport Name: Phoenix Goodyear  Airport Identifier: GYR  Proximity to Airport: Off Airport/Airstrig  Runway Information  Runway ID: 21 (L/R/C) Length: 10  Runway/Landing Surface (Check all that of Check all that of Check all that of Concrete Gravel Meta Snow   | if accident/incident occurred on apply  p On Airport/Airstrip ON/A  1000 ft Width: 150 ft  1000                   | Distance From Airport Center: _4 sm  Direction From Airport: degrees true  Airport Elevation: 978 ft. msl  Condition of Runway/Landing Surface (Check all that apply)  Dry  |  |  |  |  |
| AIRPORT INFORMATION (Fill in  Airport Name: Phoenix Goodyear  Airport Identifier: GYR  Proximity to Airport: Off Airport/Airstrig  Runway Information  Runway ID: 21 (L/R/C) Length: 10  Runway/Landing Surface (Check all that of Check all that of C | if accident/incident occurred on apply  p On Airport/Airstrip ON/A  1000 ft Width: 150 ft  1000                   | Distance From Airport Center: _4 sm  Direction From Airport: degrees true  Airport Elevation: 978 ft. msl  Condition of Runway/Landing Surface (Check all that apply)  Dry  |  |  |  |  |
| AIRPORT INFORMATION (Fill in  Airport Name: Phoenix Goodyear  Airport Identifier: GYR  Proximity to Airport: Off Airport/Airstrig  Runway Information  Runway ID: 21 (L/R/C) Length: 10  Runway/Landing Surface (Check all that off Concrete Gravel Meta Concrete Gravel Meta Concrete Gravel Snown  Approach/Departure Segment (Select one OTaxi OTakeoff OIFR Departure Proconcition of Concrete Gravel  | if accident/incident occurred on apply  p On Airport/Airstrip ON/A  1000 ft Width: 150 ft  1000                   | Distance From Airport Center: _4 sm  Direction From Airport: degrees true  Airport Elevation: 978 ft. msl  Condition of Runway/Landing Surface (Check all that apply)  Dry  |  |  |  |  |

| "FLIGHT CREWMEME  | BER 1" INFOR                             | MATION                     | N               |                             |   |                     |                        |                     |                      |                     |
|---|--|----------------------------|-----------------|-----------------------------|---|---------------------|------------------------|---------------------|----------------------|---------------------|
| "Flight Crewmember 1" Res                                   |  | Time of A  O Flight Inst   |                 | i <b>dent</b><br>Check Pilo | ot <b>O</b> Flio                                  | ht Engineer         | O Other I              | Flight Crew         |                      |                     |
| "Flight Crewmember 1" was                                   |  | es 🗆 No                    | articio: C      | Check I II                  | ot Offig  | in Engineer         | • omer i               | ngiit cie           |                      |                     |
| "Flight Crewmember 1" Idea                                  |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| First Name: James   |  |                            |                 |                             | City of Re  | esidence: A         | vondale                |                     |                      |                     |
| Middle Initial: P   |  |                            |                 |                             | State: Ar   |                     |                        | ZIP: <u>8539</u> ;  |                      |                     |
| Last Name: Mayfield   |  |                            |                 |                             |   | IZUIId              |                        | EII . <u>  0009</u> |                      |                     |
|   | Accident/Incident:                       | 71                         | Date of B       | tirth:                      | Country:  | m                   | m/dd/yyyy              |                     |                      |                     |
| Age at time of I  | Accident incident.                       |                            | tificate Num    |                             |   | ""                  | maayyyy                |                     |                      |                     |
| Degree of Injury  | Seat Occupied                            | Cert                       | incate Ivani    | $\overline{}$               | Restraint T                                       | vne                 |                        |                     | Inflatable F         | Pastraints          |
| • None • Fatal  | _  | Front                      | O Unknov        |                             |   | -                   | Used                   |                     | IIIIIatabie f        | cesti amits         |
| O Minor O Unknown O Serious                                 |  | Rear<br>Single             |                 |                             | Availabl<br>O None<br>O Lap o                     |                     | O None O Lap only      |                     | ✓ Not Ins            |                     |
| Pilot Certificate(s) (Check all                             | that apply)                              |                            |                 |                             | O 3-poi   |                     | O3-point               | , l                 | ☐ Not De             | ployed              |
| ☐ None ☐ Flight In  |  | nereial                    | US Mi           | ilitary                     | <b>⊙</b> 4-poi                                    |                     | • 4-point<br>• 5-point |                     | ☐ Deploye            |                     |
| ☐ Private ☐ Recreation ☐ Student ☐ Sport                    |  | ne Transport<br>t Engineer | ☐ Foreig        | n                           | O5-poi<br>OUnkn                                   |                     | O Unknov               | vn                  |                      | *11                 |
| Student Sport   | L Fligh                                  | t Engineer                 |                 |                             |   |                     |                        |                     |                      |                     |
| Principal Occupation M                                      | Iedical Certificate                      |                            |                 | 1                           | Medical Ce  | rtificate Va        | lidity                 |                     | Date of Las          | t Medical           |
|   | None OClar                               |                            |                 |                             | Without lin                                       |                     |                        | nknown              | 08/02/20             | 1Ω                  |
|   | Class 1 O Driv                           |                            | e (Sport Pilot  |                             | <ul><li>With limita</li><li>Special Iss</li></ul> |                     | s ON                   | /A                  | mm/dd/y              |                     |
| Medical Certificate Limitation                              |  |                            |                 |                             | -   |                     |                        | <u> </u>            |                      |                     |
| Corrective lenses   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| M 1 10 (10 1 0 1 1 1  |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| Medical Certificate Special I                               | ssuance                                  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| Date of Last Flight Davison                                 |  | FULLAR                     |                 |                             |   |                     |                        |                     |                      |                     |
| Date of Last Flight Review or Equivalent, Including         |  |                            | Review Airc     | rait                        |   |                     |                        |                     |                      |                     |
| FAR 121/135 Checks:   | 02/22/2018                               | Make:                      |                 |                             |   |                     |                        |                     |                      |                     |
|   | mm/dd/yyyy                               | Model: _                   |                 |                             |   | T                   | <b>.</b>               |                     |                      |                     |
| Airplane Rating(s) (Check all that apply)                   | Other Aircraft Ra (Check all that apply) |                            |                 | ent Ratin<br>I that apply   |   | (Check all          | r Rating(s)            |                     |                      |                     |
| □ None  | □ None                                   |                            | □ None          | i inai appiy                | 9   | □ None              | інаі арріу)            | 6                   | Instrument           | Aimlane             |
| ✓ Single-Engine Land  | ■ Airship                                |                            | ✓ Airpla        |                             |   | Airplan             | e Single-Eng           | ine                 | Instrument           |                     |
| ☐ Single-Engine Sea☐ Multiengine Land                       | ☐ Balloon<br>☐ Glider                    |                            | ☐ Helico        |                             |   | ✓ Airplan ✓ Gyropla | e Multi-Engii<br>ine   |                     | Helicopter<br>Glider |                     |
| ☐ Multiengine Sea   | ☑ Gyroplane                              |                            | -               |                             |   | Powere              |                        | _                   | Sport                |                     |
|   | ☐ Helicopter☐ Powered Lift               |                            |                 |                             |   |                     |                        |                     |                      |                     |
| Type Ratings  |  |                            |                 |                             |   | Student E           | Endorsemer             | nts (Include        | dates)               |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
|   | T T                                      |                            | Airplane        |                             |   | Inch                |                        |                     | T                    |                     |
| Flight Time (Enter appropriate number of hours in each box) |  | s Make<br>Model            | Single          | Airplan<br>Multiengi        |   |                     | rument<br>Simulated    | Rotorcraft          | Glider               | Lighter<br>Than Air |
| Total Time  | 14,000                                   | 5                          | Engine<br>9,000 | 1,1                         |   | Actual              | Simulated              | 3,800               |                      | I Hall Alf          |
| Pilot in Command (PIC)                                      | 1-4,000                                  |                            | 9,000           | 1,1                         |   |                     |                        | 5,600               |                      |                     |
| Time as Instructor  | 8,500                                    |                            |                 |                             |   |                     |                        |                     |                      |                     |
| This Make/Model   |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| Last 90 Days  | 15                                       | 5                          | 15              |                             |   |                     |                        |                     |                      |                     |
| Last 30 Days  |  |                            |                 |                             |   |                     |                        |                     |                      |                     |
| Last 24 Hours   |  |                            |                 |                             |   |                     |                        |                     | 1                    |                     |

| "FLIGHT CREWMEN                            | MBER 2" INFOR                  | RMATIO                    | N                     |                           |                   |                             |                        |               |                      |           |
|--|--------------------------------|---------------------------|-----------------------|---------------------------|-------------------|-----------------------------|------------------------|---------------|----------------------|-----------|
| "Flight Crewmember 2" R OPilot OCo-Pilot   |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| "Flight Crewmember 2" w                    | as pilot flying                | Yes 🗖                     | No                    |                           |                   |                             |                        |               |                      |           |
| "Flight Crewmember 2" Id                   | lentification                  |                           |                       |                           |                   |                             |                        |               |                      |           |
| First Name: City of Residence:             |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| Middle Initial: State:                     |                                |                           |                       |                           |                   |                             | Z                      | IP:           |                      |           |
| Last Name: Country:                        |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
|  | Accident/Incident:             |                           |                       |                           |                   |                             | /dd/yyyy               |               |                      |           |
| 1.50                                       | _                              |                           | tificate Numb         |                           |                   |                             |                        |               |                      |           |
| Degree of Injury                           | Seat Occupied                  |                           | incute Ivaino         |                           | estraint T        | `vne                        |                        | 1             | nflatable R          | estraints |
| O None O Fatal                             | _                              | OFront                    | OUnknow               |                           |                   |                             | Used                   | 1             | minumore iv          | esti ames |
| O Minor O Unknown                          | ORight<br>OCenter              | ORear                     |                       |                           | Availab<br>O None |                             | O None                 |               | □ Not Inst           | alled     |
| O Serious                                  |                                | OSingle                   |                       |                           | O Lap             |                             | O Lap only             | ,             | Installed            |           |
| Pilot Certificate(s) (Check of             |                                |                           |                       |                           | O 3-po            |                             | O 3-point<br>O 4-point |               | ☐ Not Dep ☐ Deploye  |           |
| □ None   □ Flight     □ Private   □ Recrea |                                | nmercial<br>line Transpor | US Mil<br>t ☐ Foreign |                           | <b>O</b> 5-po     | int                         | O 5-point              |               | Unknow               |           |
| ☐ Student ☐ Sport                          | _                              | ht Engineer               |                       |                           | O Unk             | nown                        | O Unknow               | 'n            |                      |           |
| Principal Occupation                       | Medical Certificate            |                           |                       | — I                       | ledical Ce        | rtificate Val               | lidity                 | 1             | Date of Las          | t Medical |
| O Pilot                                    | O None O Cl                    |                           |                       |                           |                   | mitations/waiv              | •                      | nknown        | oute of Lus          |           |
| O Other                                    | O Class 1 O Dr                 | river's Licen             | se (Sport Pilot       | only)                     | With limit        | ations/waivers              |                        |               |                      | _         |
| O Unknown                                  | <u> </u>                       | nknown                    |                       | 0                         | Special Iss       | suance                      |                        |               | mm/dd/yy             | yy        |
| Medical Certificate Limita                 | tions                          |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| Medical Certificate Special                | l Issuance                     |                           |                       |                           |                   |                             |                        |               |                      |           |
| Wiedieur Certificate Special               | 1 195uunee                     |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| Date of Last Flight Review                 |                                | Flight                    | Review Airc           | raft                      |                   |                             |                        |               |                      |           |
| or Equivalent, Including                   |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| FAR 121/135 Checks: _                      | /11/                           | - I                       |                       |                           |                   |                             |                        |               |                      |           |
| Airmlana Dating(a)                         | mm/dd/yyyy  Other Aircraft R   | Model:                    |                       | nd Dading                 | (a)               | Tuestanistani               | Dating(s)              |               |                      |           |
| Airplane Rating(s) (Check all that apply)  | (Check all that apply          | 0 ( )                     |                       | ent Rating<br>that apply) | (s)               | Instructor<br>(Check all th |                        |               |                      |           |
| ☐ None                                     | ☐ None                         | ~ /                       | None                  | man approxy               |                   | □ None                      | upp.5/                 |               | Instrument A         | irplane   |
| Single-Engine Land                         | Airship                        |                           | ☐ Airplar             |                           |                   | ☐ Airplane                  |                        |               | Instrument H         | elicopter |
| ☐ Single-Engine Sea☐ Multiengine Land      | ☐ Balloon<br>☐ Glider          |                           | ☐ Helicon             |                           |                   | ☐ Airplane ☐ Gyroplan       |                        |               | Helicopter<br>Glider |           |
| ☐ Multiengine Sea                          | ☐ Gyroplane                    |                           |                       |                           |                   | ☐ Powered                   |                        |               | Sport                |           |
|  | ☐ Helicopter<br>☐ Powered Lift |                           |                       |                           |                   |                             |                        |               |                      |           |
| Type Ratings                               |                                |                           |                       |                           |                   | Student Er                  | idorsement             | S (Include de | ates)                |           |
|  |                                |                           |                       |                           |                   |                             |                        | ,             |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
|  |                                |                           | Airplane              |                           | $\dashv$          | <u> </u>                    |                        |               |                      |           |
| Flight Time (Enter appropria               | 1                              | his Make                  | Single                | Airplane                  |                   |                             | rument                 |               |                      | Lighter   |
| number of hours in each box)               | Aircraft &                     | & Model                   | Engine                | Multiengin                | ne Night          | t Actual                    | Simulated              | Rotorcraft    | Glider               | Than Air  |
| Total Time                                 | +                              | +                         |                       |                           | +                 |                             |                        |               |                      |           |
| Pilot in Command (PIC) Time as Instructor  | + +                            |                           |                       |                           | +                 |                             |                        |               |                      |           |
| This Make/Model                            |                                |                           |                       |                           |                   |                             |                        |               |                      |           |
| Last 90 Days                               |                                |                           |                       |                           |                   | +                           |                        |               |                      |           |
| Last 30 Days                               | + +                            | -+                        |                       |                           | +                 |                             |                        |               |                      |           |
| Last 24 Hours                              |                                |                           |                       |                           |                   |                             |                        |               |                      |           |

|   | SHT CREWMEN   | IBERS (          | Exclusive | e of cabin cr  | ew, complete  | the followin   | g information)   |  |   |
|---|---|------------------|-----------|--|---|--|--|--|---|
| Crew Name and Add   | ress  |                  |           |  |   |  | Seat Occupie   | d  | Injury  |
| Middle Initial:   | Name:         City of Residence:           le Initial:         State:         ZIP:           Name:         Country: |                  |           |  |   |  | O Left<br>O Center<br>O Right  | O Front O Rear O Single O Unknown  | O None O Minor O Serious O Fatal O Unknown  |
| Pilot Certificate(s) (C  None Private Student  Type Rating/Endorse                        | Flight Instructor Recreational Sport  | □ Airl<br>□ Flig | l         | oort   | t the Time  | 1  | Restraint Tyj Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown  | Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown   | Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown   |
| Accident/Incident Air   | rcrait:   | □ No             | of this A | Accident/Inc   | ident:  | hrs  |  |  |   |
| Crew Name and Add   | ress  |                  |           |  |   |  | Seat Occupie   |  | Injury  |
| First Name:<br>Middle Initial:<br>Last Name:  |   | State            | e:        |  | ZIP:  |  | OLeft<br>OCenter<br>ORight   | O Front O Rear O Single O Unknown  | O None O Minor O Serious O Fatal O Unknown  |
| Pilot Certificate(s) (C   | Flight Instructor Recreational Sport  | □ Airl<br>□ Flig | l         | oort   | t the Time  |  | Restraint Tyj Available O None O Lap Only O 3-point O 4-point O 5-point  | Used O None O Lap Only O 3-point O 4-point O 5-point   | Inflatable Restraints  Not Installed Installed Not Deployed Deployed Unknown  |
| Accident/Incident Air   |   | □ No             |           |  | dent:   |  | O Unknown  | O Unknown  |   |
| PASSENGER(S) /  | OTHER PERSO   | NNEL (           | include c | abın crew; c   | ontinue on se   | eparate shee   | t if necessary)  |  |   |
| Name and Address  |   |                  |           |  |   |  |  | Inflatable   |   |
| Name and Address  |   |                  |           | Seat   | Injury  | Restraint T  |  | Inflatable<br>Restraints   | Age   |
| First Name:  Middle Initial:  Last Name:  OCrew   | State:  | ZIP:             |           | OLeft OCenter ORight OUnknown Row:                               | ONone OMinor OSerious OFatal OUnknown                                       | Restraint T  Available ONone OLap Only O3-point O4-point O5-point OUnknown   | Used O None O Lap Only O 3-point O 4-point O 5-point   |  | ☐ Under 5 years  If Under 5,  ○ Child Restraint ○ Lap-Held  |
| First Name:  Middle Initial:  Last Name:  | State:  | ZIP:             | her       | OLeft<br>OCenter<br>ORight<br>OUnknown                           | O None O Minor O Serious O Fatal  | Available ONone OLap Only O3-point O4-point O5-point   | Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown  Used O None O Lap Only O 3-point O 4-point O 4-point O 5-point   | Restraints  Not Installed Installed Not Deployed Deployed  | Under 5 years  If Under 5, O Child Restraint O Lap-Held O Unknown  Under 5 years  If Under 5, O Child Restraint O Lap-Held  |
| First Name:  Middle Initial:  Last Name:  OCrew  First Name:  Middle Initial:  Last Name: | State:   Country:   OPassenger  | ZIP:Oot          | her       | OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown | O None O Minor O Serious O Fatal O Unknown O None O Minor O Serious O Fatal | Available ONone OLap Only O3-point O4-point O5-point OUnknown  Available ONone OLap Only O3-point O4-point O4-point O5-point | Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown  Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown  Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown  Used O None O Lap Only O 3-point O 4-point O 5-point O 5-point | Not Installed Installed Not Deployed Deployed Unknown  Not Installed Installed Doubled Deployed Deployed Deployed Deployed | ☐ Under 5 years  If Under 5,    ○ Child Restraint    ○ Lap-Held    ○ Unknown  ☐ Under 5 years  If Under 5,    ○ Child Restraint    ○ Lap-Held    ○ Unknown  ☐ Under 5 years |

| FLIGHT ITINERARY                                     | INFORMATIO  | N  |  |                   |                                     |                         |  |  |
|--|---|--|--|-------------------|-------------------------------------|-------------------------|--|--|
| Last Departure Point                                 | Tin   | e of Departure                             | Destination  | on                |                                     | Type Fligh              | nt Plan Filed                            |  |
| Airport ID: GYR                                      |   | 0000                                       | Airport ID:  | GYR               |                                     | <ul><li>None</li></ul>  | O VFR/IFR                                |  |
| City: Goodyear                                       | Tim   | e: <u>0800</u>                             | City: Goo  | dyear             |                                     | O Company<br>O Military |  |  |
| State: AZ  | Tim   | e Zone: MST                                | State: AZ  |                   |                                     | O VFR                   | VFK O CHKHOWH                            |  |
| Country: USA   |   |  | Country: L   | JSA               |                                     | Activated?              | OYes ONo OUnknown                        |  |
| Type of ATC Clearance/S                              | ervice (Check all that  | apply)                                     |  |                   |                                     |                         |  |  |
|  | ☐ Special VFR<br>☐ IFR  |  | ecial IFR<br>R On Top                                      |                   | ☐ VFR Flight Foll☐ Traffic Advisory |                         | ☐ Cruise<br>☐ Unknown / NA               |  |
| ☐ Class B☐ Class C☐ Class D☐                         | ent/incident occurre Class G Demo Area Warning Area Prohibited Area Restricted Area | ☐ Mil                                      | itary Operations<br>port Advisory A<br>Training Area<br>SA | Area (MOA)<br>rea | □Special □Air Traffic Cont □Unknown | rol Area                | Altitude of In-Flight Occurrence: ft msl |  |
|  |   |  |  | IT CITE           |                                     |                         |  |  |
| WEATHER INFORM                                       |   | ACCIDEN                                    | I/INCIDEN  | 1                 | convetion Facility                  |                         |  |  |
| Source of Pilot Weather In<br>(Check all that apply) | ntormation  |  |  |                   | servation Facility                  |                         |  |  |
| ✓ National Weather Service                           | ☐ Con   | npany                                      |  |                   |                                     |                         |  |  |
| Flight Service Station                               | Mili  | •  |  | 1                 | me:                                 |                         |  |  |
| ☐ TV/Radio<br>☑ Automated Report                     | ☐ Inte  |  |  | _                 |                                     |                         |  |  |
| Commercial Weather Servi                             | ce (DUATS) 🗖 Unk  | nown                                       |  | 1                 | Accident Site:                      |                         |  |  |
| On-Board Weather                                     |   | List Conditi                               | ·  | Direction from    | Accident Site:                      |                         | _ degrees true                           |  |
| Basic Conditions  OVMC OIMC OUnknown                 |   | Light Conditi                              | ODusk<br>ONight  | ODark<br>OBrig    | c Night OUr<br>ht Night             | ıknown                  |  |  |
| Sky/Lowest Cloud Condit                              | ion   | Ceiling                                    |  |                   | Temperature:                        |                         | (C) or(F)                                |  |
| O Clear  | O Thin Broken   | None (Clear)                               |  | Obscured          | 1                                   |                         |  |  |
| O Few O Partial Obscuration O Scattered              | O Thin Overcast O Unknown   | O Broken O Indefinite O Overcast O Unknown |  |                   | Dew Point:(C) or(F)                 |                         |  |  |
| Lowest Cloud Condition                               | Height  | Ceiling Heigh                              | ıt   |                   |                                     | or                      | MB                                       |  |
|  | ft agl  |  |  | ft agl            |                                     |                         |  |  |
| Wind Direction                                       | Wind Speed  |  | Wind Gusts   | <b>,</b>          | Visibility                          | Umlimited               | miles                                    |  |
| ✓ Variable   | ☐ Calm  |  | ✓ Not Gustin   | ng                | DVD                                 | :                       | - Innes                                  |  |
| _  | Light and Vari  | able                                       |  |                   | 1                                   |                         |  |  |
| -or- Direction: degrees tru                          | e Speed:  | kts  | -or-<br>Speed:   | kts               | RVV                                 |                         | miles                                    |  |
| Intensity of Precipitation                           | Type of Precipi   |  |  | KIS               | Density Altitu                      |                         | ft                                       |  |
| O Light  | None  | Drizzle                                    | nat apply)    Freezin                                      | a Dain            | None                                | VISIBILITY (C           | Check all that apply)                    |  |
| O Moderate   | Rain  | Ice Pellets                                | ☐ Snow S   |                   | ☐ Blowing Du                        | ıst 🔲 🤇                 | Ground Fog                               |  |
| OHeavy   | Snow  | Snow Pellet                                | ts 🔲 Ice Pell  | ets Shower        | ☐ Blowing Sa                        |                         | Haze<br>Ice Fog                          |  |
| ● N/A<br>● Unknown                                   | ☐ Hail☐ Rain Showers  | ☐ Snow Grain☐ Ice Crystals                 |  | ig Drizzle        | ☐ Blowing Sn☐ Blowing Sp            |                         | Smoke                                    |  |
| - Common in  | — ram onewers   |  | •  |                   | Dust                                |                         | Unknown                                  |  |
| Icing Forecast                                       |   | Icing Actual                               |  |                   | Turbulence                          |                         |  |  |
| Amount Type O None O N/A                             |   | Amount  None                               | Type<br>O N/A  |                   | Type (Check a  ☑ None               | ll that apply)          | Severity<br>□Light                       |  |
| O Trace O Rime                                       |   | O Trace                                    | O Rime   |                   | Clear Air                           |                         | ■Moderate                                |  |
| O Light O Clear                                      |   | O Light                                    | O Clear  |                   | Terrain-Indu                        |                         | Severe                                   |  |
| O Moderate O Mixe<br>O Severe O Unkn                 |   | O Moderate<br>O Severe                     | O Mixe<br>O Unkr   |                   | Convective                          | Turbulence              | ■Extreme                                 |  |
| O Unknown  |   | O Unknown                                  |  |                   |                                     |                         |  |  |
| NOTAMs (D and FDC).                                  | , AIRMETs, SIG  | METs, PIREP                                | s in effect at   | the time of the   | he accident/inci                    | dent:                   |  |  |
|  | •   |  |  |                   |                                     |                         |  |  |
|  |   |  |  |                   |                                     |                         |  |  |
|  |   |  |  |                   |                                     |                         |  |  |
|  |   |  |  |                   |                                     |                         |  |  |

| DAMAGE TO AIRCRAFT AND OTHER PROPERTY |                                     |                                |  |  |   |  |  |  |
|---------------------------------------|-------------------------------------|--------------------------------|--|--|---|--|--|--|
| Aircraft Dan                          | nage                                | Aircraft Fire                  |  | Aircraft Explosion   |   |  |  |  |
| O None<br>O Minor                     | O Substantial O Destroyed O Unknown | O None O In-Flight O On-Ground | O Both Ground and In-Flight<br>O Fire at Unknown Time<br>O Unknown | <ul><li>None</li><li>In-Flight</li><li>On-Ground</li></ul> | O Both Ground and In-Flight<br>O Explosion at Unknown Time<br>O Unknown |  |  |  |

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

Right Main gear wheel center damaged. Tail wheel torn from acft. Ruder and Rudder post bent

## 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 and location, services obtained, and intended destination. Provide as much detail as possible.

On Saturday, January 25, at approximately 0855 MST, at GYR airport, Kitfox N399A, piloted by me, suffered a landing accident. The flight departed GYR at approximately 0755 MST. The flight was a familiarization flight to determine takeoff and landing characteristics of the aircraft.

As permitted by the aircraft operating limitations, I was the pilot flying and the owner, James Merwin, was monitoring aircraft systems and assisting in the testing.

Approximately 8 takeoffs and 7 landings had been accomplished prior to the incident landing.

N399A had been cleared to land on runway 21. The winds were calm. No abnormalities in aircraft systems or performance were noted. The initial portion of the approach was slightly high and about 5 knots fast at about 80 mph IAS. Normal approach speed with this aircraft ranges from 65 to 75 mph depending on configuration.

At about ½ to ¼ mile from touchdown I remember remarking to Mr. Merwin that we would "hold it off" a little longer to allow the extra airspeed to dissipate.

I proceeded to put the aircraft in final landing configuration with full flaps. I entered a slip to steepen the descent angle without increasing airspeed. After exiting the slip I began to flare the aircraft; landing pitch attitude was achieved and the aircraft was held in the landing pitch attitude as airspeed decayed toward Vso.

At approximately Vso the aircraft touched down on or near the center line with no drift or yaw. The aircraft began to uneventfully "roll out." After a second or two I felt the rudder pedals jerk and the nose began to yaw left rapidly.

There was no swerving from side to side.

I applied right rudder pedal pressure but the aircraft continued to yaw left.

The aircraft left the runway and stopped facing and almost perpendicular to the runway after 270 degrees of rotation.

The Right main landing gear wheel failed in the center. The axle and axle bearing was pulled from the wheel when the wheel failed. Since the direction of the yaw was to the left and the right main gear wheel failed it is likely the failure occurred as the aircraft yawed left and slid right on the runway.

The tail wheel was torn from the bottom of the fuselage and the tail wheel spring attachment bolt was bent over opposite the direction of the yaw. The tail wheel spring retaining plate (shackle) was found near the aircraft with one bolt missing and one bolt sheared. I do not know if the retaining plate attachment bolts failed or dropped out before or after the landing.

The tail wheel chains and steering springs are intact but the chains are not attached to the springs. I suspect one of the tail wheel steering chains may have disconnected during the forward slip since the chain on the side of the aircraft to which the rudder is deflected during the slip slackens. If the chain did disconnect in flight, it would have resulted in loss of tail wheel steering after touchdown. I do not know if the tail wheel steering springs and chains became disconnected prior to or during the incident; and probably never will.

The nut retaining the tail wheel spring was not recovered and the spring hole appears to be undamaged. I do not know if it loosened prior to the landing or was stripped from the attachment bolt by impact forces.

In summation; although this appears to be a classic "ground loop" incident, I believe, but obviously can not be sure, there were causal factors that contraindicate a typical loss of control accident.

The wind was calm. The touchdown was at or very near Vso. There were no side loads and no drift or yaw at touchdown and this aircraft rolls very straight if not disturbed. Several uneventful landings were executed in the previous hour and the tail wheel steering chains were disconnected at some point.

| RECOMMENDATION (How                     | could this   | accident/incident h         | ave been pre                                | vented?)   |                    |                    |                      |             |
|---|--------------|-----------------------------|---|------------|--------------------|--------------------|----------------------|-------------|
| Operator/Owner Safety Recomm            | endation     |                             |   |            |                    |                    |                      |             |
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| MECHANICAL MALFU                        | NCTION/I     | AILURE (If mo               | re space is n                               | eeded, co  | ontinue on separ   | rate sheet)        |                      |             |
| Was there Mechanical Malfun             |              |                             |   |            |                    |                    | Total Time           | e/Cvcles    |
| (If yes, list the name of the part, man |              |                             |   | re.)       |                    |                    | On Part              |             |
| Tailwheel steering spring disc          | connected    |                             |   |            |                    |                    |                      | Hours       |
|   |              |                             |   |            |                    |                    |                      |             |
|   |              |                             |   |            |                    |                    |                      | Cycles      |
|   |              |                             |   |            |                    |                    |                      | e This Part |
|   |              |                             |   |            |                    |                    | Inspected/           | Overhauled  |
|   |              |                             |   |            |                    |                    |                      | Hours       |
|   |              |                             |   |            |                    |                    |                      |             |
| <b>FUEL &amp; SERVICES INF</b>          | ORMATI       | ON                          |   |            |                    |                    |                      |             |
| Fuel on Board at Last Takeoff           |              | Fuel Type                   |   |            |                    |                    |                      |             |
| (Convert from pounds, as necessary)     |              | O 80/87                     | O 115/145                                   |            | O Jet B            | O Other, specify _ |                      |             |
|   | Gallons      | ● 100 Low Lead<br>● 100/130 | <ul><li>O Jet A</li><li>O Jet A-1</li></ul> |            | O JP8 O Automotive |                    |                      |             |
| Other Services, if Any, Prior to        | Departure    |                             |   |            |                    |                    |                      |             |
| , ,,                                    | •            |                             |   |            |                    |                    |                      |             |
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| EVACUATION OF AIRC                      | RAFT         |                             |   |            |                    |                    |                      |             |
| Was an emergency evacuation             | of the aircr | aft performed?              | ☐ Yes                                       | ✓ No       |                    |                    |                      |             |
| Method of Exit – Describe how           | the occupan  | ts exited and how m         | any occupant                                | s evacuate | ed each location   |                    |                      |             |
|   |              |                             |   |            |                    |                    |                      |             |
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| OTHER AIRCRAFT – C                      |              | M (16 - :                   |   |            |                    | i f                | 64)                  |             |
|   |              |                             |   |            | -                  |                    | aπ)<br>amage to Othe | r Aircraft  |
| Aircraft Registration Number            | 1            | urer:                       |   |            |                    |                    | Destroyed            | Minor       |
|   |              |                             |   |            |                    |                    | Substantial          | ☐ None      |
| Registered Owner of Other Air           | rcraft       |                             |   | Pilot of   | Other Aircraft     |                    |                      |             |
| Name:                                   |              |                             |   | Name: _    |                    |                    |                      |             |
| City:ZIP:                               |              |                             |   | City:      |                    | _ZIP:              |                      |             |
| Country:                                |              |                             |   | Country    | :                  | _ZIF               |                      |             |
|   |              |                             |   |            |                    |                    |                      |             |

| ADDITIONAL INF           | ORMATIC      | ON (Please type or print in ink)          |                                   |                      |
|--------------------------|--------------|---|-----------------------------------|----------------------|
| Use this space if addi   | tional space | is needed for any answers.                |                                   |                      |
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| Date of this Report      |              | Pilot/Operator: James P. Mayfield (Pilo   |                                   |                      |
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| If a Person Other tha    | n Pilot/Op   | erator is Filing Report                   |                                   |                      |
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| NTSB Accident/Incid      | dent No.     | Reviewed by NTSB Regional Office          | Name of Investigator              | Date Report Received |
| WPR20CA080               |              | AS-WPR                                    | Tealeye Cornejo                   | 05/27/2020           |