

# 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: Lincoln State: CA

ZIP: 95648 Country: USA

Latitude: N 38-54.6 Longitude: W 121-21.1

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

### Accident/Incident Date/Time

Date: 04/27/2019 Local Time: 11:30am  
mm/dd/yyyy

Time Zone: Pacific

Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None

## AIRCRAFT INFORMATION

Registration Number: N5046E

Manufacturer: Bellanca

Model: Citabria 7GCAA

Serial Number: 380-79

Year of Manufacture: 1979

Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Kit/Plans ☐ Original Design Make: \_\_\_\_\_

- ☐ IFR-Equipped and Certified  
☐ Commercial Space Flight  
☐ Unmanned Aircraft

Maximum Gross Weight: 1650 lbs

Weight at Time of Accident/Incident: 1450 lbs

Number of Seats: 2 Flight Crew Seats: 1

Cabin Crew Seats: \_\_\_\_\_ Passenger Seats: 1

Number of Engines: 1

### Category of Aircraft

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

### Type of Airworthiness Certificate

(Check all that apply)

#### Standard

- ☒ Normal  
☐ Aerobatic  
☐ Balloon  
☐ Commuter  
☐ Transport  
☐ Utility

#### Special

- ☐ Restricted  
☐ Limited  
☐ Provisional  
☐ Special Flight  
☐ Experimental  
☐ Special Light-Sport  
☐ 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)

- ☒ Reciprocating ☐ Liquid Rocket  
☐ Turbo Shaft ☐ Solid Rocket  
☐ Turbo Prop ☐ Hybrid Rocket  
☐ Turbo Jet ☐ None  
☐ Turbo Fan ☐ Unknown  
☐ Electric

### Fuel System Type (Reciprocating)

- ☐ Carburetor ☐ Fuel-Injected

| Engine | Engine Manufacturer | Engine Model/Series | Manufacturer's Serial Number | Date of Mfg.<br>mm/dd/yyyy | Rated Power<br><input checked="" type="radio"/> Horsepower or<br><input type="radio"/> lbs of Thrust | Total Time<br>(hours) | Time Since:<br>Inspection<br>(hours) | Overhaul<br>(hours) |
|--------|---------------------|---------------------|------------------------------|----------------------------|--|-----------------------|--------------------------------------|---------------------|
| Eng. 1 | <u>Lycoming</u>     | <u>O-320</u>        |                              | <u>1979</u>                | <u>150</u>   | <u>3200</u>           | <u>45</u>                            | <u>1250</u>         |
| Eng. 2 |                     |                     |                              |                            |  |                       |                                      |                     |
| Eng. 3 |                     |                     |                              |                            |  |                       |                                      |                     |
| Eng. 4 |                     |                     |                              |                            |  |                       |                                      |                     |

### Last Inspection Type

- ☒ 100-Hour ☐ Continuous Airworthiness  
☐ AAIP ☐ Conditional Inspection  
☐ Annual ☐ Unknown

Date Last Inspection: 07/12/2018  
mm/dd/yyyy

Airframe Total Time: 5500 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: \_\_\_\_\_

### Propeller 1

- ☒ Fixed Pitch  
☐ Controllable Pitch  
☐ Ground Adjustable

Manufacturer: Hartzel

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.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz)  
☐ OC126 (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: Fox Two, LLCCity: CaminoFractional Ownership Aircraft: ☐ Yes ☐ NoState: CA ZIP: 95709Country: USA**Operator of Aircraft**☐ Same As Registered Owner☐ Same Address as Registered OwnerName: Mach 5 Aviation, Inc.City: Auburn

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

State: CA ZIP: 95602

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

Country: USA**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: Lincoln RegionalDistance From Airport Center: .2 smAirport Identifier: KLHMDirection From Airport: east degrees trueProximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 121 ft. msl**Runway Information**Runway ID: 15 (L/R/C) Length: 6001 ft Width: 100 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 ☐ Aborted Landing (after touchdown)  
☐ Crosswind ☐ 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

Middle Initial: **M** State: **NV** ZIP: **89451**

Last Name: Truax Country: USA

Age at time of Accident/Incident: 26 Date of Birth: [REDACTED] mm/dd/yyyy

Certificate Number: [REDACTED]

|  | Restraint Type | Inflatable Restraint |
|--|----------------|----------------------|
|--|----------------|----------------------|

☒ None
 ☐ Fatal  
☐ Minor
 ☐ Unknown  
☐ Serious

**Pilot Certificate(s)** *(Check all that apply)*

☐ Left      ☒ Front      ☐ Unknown  
☐ Right      ☐ Rear  
☐ Center      ☐ Single

(if applicable)

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Available</b>               | <b>Used</b>                    |
| <input type="radio"/> None     | <input type="radio"/> None     |
| <input type="radio"/> Lap only | <input type="radio"/> Lap only |

☐ 3-point

☐ 5-point ☐ 5-point  
☐ Unknown ☐ Unknown

### Medical Certificate Validity

☒ Not Installed  
☐ Installed  
☐ Not Deployed  
☐ Deployed  
☐ Unknown

□

Date of Last Medical

☒ Pilot  
☐ Other  
☐ Unknown

**Medical Certificate Limit**

☐ None
 ☒ Class 3  
☐ Class 1
 ☐ Driver's License (Sport Pilot only)  
☐ Class 2
 ☐ Unknown

## Conclusions

☒ Without limitations/waivers      ☐ Unknown  
☐ With limitations/waivers      ☐ N/A  
☐ Special Issuance

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10/04/2016  
mm/dd/yyyy

|  |  |
|--|--|
|  |  |
|--|--|

**FAR 121/135 Checks:** 10/14/2018  
mm/dd/yyyy

Other Aircraft R

**Model:** PA-28 Warrior

| Rating(s) | Instrument Rating(s) | Instructor Rating(s) |
|-----------|----------------------|----------------------|
|-----------|----------------------|----------------------|

☐ None  
☒ Single-Engine Land  
☐ Single-Engine Sea  
☐ Multiengine Land  
☐ Multiengine Sea

☐ None  
☐ Airship  
☐ Balloon  
☐ Glider  
☐ Gyroplane  
☐ Helicopter  
☐ Powered Lift

\_\_\_\_\_

☐ None  
☒ Airplane  
☐ Helicopter  
☐ Powered Lift

**■ 参考文献**

☐ None  
☒ Airplane Single-Engine  
☐ Airplane Multi-Engine  
☐ Gyroplane  
☐ Powered Lift  
☐ Instrument Airplane  
☐ Instrument Helicopter  
☐ Helicopter  
☐ Glider  
☐ Sport

— **Front** —

| 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  | 350          | 12                | 350                    | 0                    | 22    | 10         | 45        |            |        |                  |
| Pilot in Command (PIC)                                      | 300          | 12                | 300                    | 0                    | 15    | 10         | 41        |            |        |                  |
| Time as Instructor  | 0            | 1                 | 1                      | 0                    | 0     | 0          | 0         |            |        |                  |
| This Make/Model   |              |                   |                        |                      | 0     | 0          | 0         |            |        |                  |
| Last 90 Days  | 25           | 1                 | 25                     | 0                    | 0     | 0          | 2         |            |        |                  |
| Last 30 Days  | 12           | 1                 | 12                     | 0                    | 0     | 0          | 0         |            |        |                  |
| Last 24 Hours   | 2            | 1                 | 2                      | 0                    | 0     | 0          | 0         |            |        |                  |

### **“Flight Crewmember 2” Responsibilities at the Time of Accident/Incident**

**“Flight Crewmember 2” was pilot flying** ☐ Yes ☒ No

First Name: Dennis

City of Residence: [Lincoln](#)

Middle Initial: K

State: **CA** ZIP: **95648**

Last Name: Pearson

Country: **USA**

Age at time of Accident/Incident: 56 Date of Birth: [REDACTED] mm/dd/yyyy

Certificate Number: [REDACTED]

|   |  |   |  |  |  |   |
|---|--|---|--|--|--|---|
| <b>Degree of Injury</b><br><input checked="" type="radio"/> None <input type="radio"/> Fatal<br><input type="radio"/> Minor <input type="radio"/> Unknown<br><input type="radio"/> Serious  |  | <b>Seat Occupied</b><br><input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown<br><input type="radio"/> Right <input checked="" type="radio"/> Rear<br><input type="radio"/> Center <input type="radio"/> Single              |  | <b>Restraint Type</b><br><div> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap only<br/> <input checked="" type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown         </div> <div> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown         </div> |  | <b>Inflatable Restraints</b><br><input checked="" type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown |
| <b>Pilot Certificate(s)</b> <i>(Check all that apply)</i><br><div> <input type="checkbox"/> None    <input checked="" type="checkbox"/> Flight Instructor    <input checked="" type="checkbox"/> Commercial    <input checked="" type="checkbox"/> US Military<br/> <input type="checkbox"/> Private    <input type="checkbox"/> Recreational    <input checked="" type="checkbox"/> Airline Transport    <input type="checkbox"/> Foreign<br/> <input type="checkbox"/> Student    <input type="checkbox"/> Sport    <input type="checkbox"/> Flight Engineer         </div> |  |   |  |  |  |   |
| <b>Principal Occupation</b><br><input type="radio"/> Pilot<br><input checked="" type="radio"/> Other<br><input type="radio"/> Unknown   |  | <b>Medical Certificate</b><br><input type="radio"/> None <input type="radio"/> Class 3<br><input checked="" type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only)<br><input type="radio"/> Class 2 <input type="radio"/> Unknown |  | <b>Medical Certificate Validity</b><br><div> <input checked="" type="radio"/> Without limitations/waivers    <input type="radio"/> Unknown<br/> <input type="radio"/> With limitations/waivers    <input type="radio"/> N/A<br/> <input type="radio"/> Special Issuance         </div>   |  | <b>Date of Last Medical</b><br><u>11/29/2018</u><br><i>mm/dd/yyyy</i>   |

## None

## Medical Certificate Special Issuance

|   |  |
|---|--|
| <b>Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:</b> _____<br><i>mm/dd/yyyy</i> | <b>Flight Review Aircraft</b><br><b>Make:</b> _____<br><b>Model:</b> _____ |
|---|--|

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

### Type Ratings

B-737, CE-500, CE-525 (Military: T-38A/C, T-37/A, F-4E/F, F-15A/B/C/D)

**Student Endorsements** *(Include dates)*

| 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   | 9,000        | 32                | 2,000                  | 3,500                | 290   | 1,200      | 2,300     | 1          |        |                  |
| Pilot in Command (PIC)   | 8,500        | 8,300             | 1,950                  | 3,200                | 250   | 1,100      | 1,700     |            |        |                  |
| Time as Instructor   | 4,500        | 27                | 2,500                  | 2,800                | 200   | 850        | 600       |            |        |                  |
| This Make/Model  |              |                   |                        |                      | 0     | 0          | 0         |            |        |                  |
| Last 90 Days   | 70           | 2                 | 30                     | 10                   | 0     | 0          | 0         |            |        |                  |
| Last 30 Days   | 20           | 1                 | 10                     | 2                    | 0     | 0          | 0         |            |        |                  |
| Last 24 Hours  | 2            | 1                 | 2                      | 0                    | 0     | 0          | 0         |            |        |                  |

| 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: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____   |  |  |  | <input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown   |  | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown   |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> None<br/> <input type="checkbox"/> Private<br/> <input type="checkbox"/> Student               </div> <div> <input type="checkbox"/> Flight Instructor<br/> <input type="checkbox"/> Recreational<br/> <input type="checkbox"/> Sport               </div> <div> <input type="checkbox"/> Commercial<br/> <input type="checkbox"/> Airline Transport<br/> <input type="checkbox"/> Flight Engineer               </div> <div> <input type="checkbox"/> US Military<br/> <input type="checkbox"/> Foreign               </div> </div> |  |  |  | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div> |  | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><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: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____   |  |  |  | <input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown   |  | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown   |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> None<br/> <input type="checkbox"/> Private<br/> <input type="checkbox"/> Student               </div> <div> <input type="checkbox"/> Flight Instructor<br/> <input type="checkbox"/> Recreational<br/> <input type="checkbox"/> Sport               </div> <div> <input type="checkbox"/> Commercial<br/> <input type="checkbox"/> Airline Transport<br/> <input type="checkbox"/> Flight Engineer               </div> <div> <input type="checkbox"/> US Military<br/> <input type="checkbox"/> Foreign               </div> </div> |  |  |  | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div> |  | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><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)   |  |  |  |  |  |  |
| <b>Name and Address</b>  |  | <b>Seat</b>  | <b>Injury</b>  | <b>Restraint Type</b>  |  | <b>Inflatable Restraints</b>   |
| First Name: _____ City : _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____ | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div>                           |  | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |
|  |  |  |  |  |  | <input type="checkbox"/> Under 5 years<br><i>If Under 5,</i><br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown   |
| First Name: _____ City : _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____ | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div>                           |  | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |
|  |  |  |  |  |  | <input type="checkbox"/> Under 5 years<br><i>If Under 5,</i><br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown   |
| First Name: _____ City : _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____ | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div>                           |  | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |
|  |  |  |  |  |  | <input type="checkbox"/> Under 5 years<br><i>If Under 5,</i><br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown   |
| First Name: _____ City : _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____ | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div>                           |  | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |
|  |  |  |  |  |  | <input type="checkbox"/> Under 5 years<br><i>If Under 5,</i><br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown   |

## FLIGHT ITINERARY INFORMATION

|  |   |  |  |
|--|---|--|--|
| <b>Last Departure Point</b><br>Airport ID: <u>KAUN</u><br>City: <u>Auburn</u><br>State: <u>CA</u><br>Country: <u>USA</u> | <b>Time of Departure</b><br>Time: <u>11:00am</u><br>Time Zone: <u>Pacific</u> | <b>Destination</b><br>Airport ID: <u>KLHM</u><br>City: <u>Lincoln</u><br>State: <u>CA</u><br>Country: <u>USA</u> | <b>Type Flight Plan Filed</b><br><input checked="" type="radio"/> None <input type="radio"/> VFR/IFR<br><input type="radio"/> Company VFR <input type="radio"/> IFR<br><input type="radio"/> Military VFR <input type="radio"/> Unknown<br><input type="radio"/> VFR<br><b>Activated?</b> <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown |
|--|---|--|--|

|   |                                      |                                      |   |                                       |
|---|--------------------------------------|--------------------------------------|---|---------------------------------------|
| <b>Type of ATC Clearance/Service</b> (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 type="checkbox"/> VFR                                | <input type="checkbox"/> IFR         | <input type="checkbox"/> VFR On Top  | <input type="checkbox"/> Traffic Advisory     | <input type="checkbox"/> Unknown / NA |

|   |   |   |   |
|---|---|---|---|
| <b>Airspace where the accident/incident occurred</b> (Check all that apply) |   |   | <b>Altitude of In-Flight Occurrence:</b> _____ ft msl |
| <input type="checkbox"/> Class A  | <input checked="" 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                         |   |

## WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

|   |   |
|---|---|
| <b>Source of Pilot Weather Information</b><br>(Check all that apply)  | <b>Weather Observation Facility</b>   |
| <input checked="" type="checkbox"/> National Weather Service<br><input type="checkbox"/> Flight Service Station<br><input type="checkbox"/> TV/Radio<br><input type="checkbox"/> Automated Report<br><input type="checkbox"/> Commercial Weather Service (DUATS)<br><input type="checkbox"/> On-Board Weather | Facility ID: <u>KLHM (AWOS)</u><br>Observation Time: <u>11:29am</u><br>Time Zone: <u>Pacific</u><br>Distance from Accident Site: <u>0</u> nm<br>Direction from Accident Site: <u>0</u> degrees true |
| <input type="checkbox"/> Company<br><input type="checkbox"/> Military<br><input type="checkbox"/> Internet<br><input type="checkbox"/> None<br><input type="checkbox"/> Unknown   |   |

|   |   |
|---|---|
| <b>Basic Conditions</b><br><input checked="" type="radio"/> VMC<br><input type="radio"/> IMC<br><input type="radio"/> Unknown | <b>Light Condition</b><br><input type="radio"/> Dawn <input type="radio"/> Dusk <input type="radio"/> Dark Night <input type="radio"/> Unknown<br><input checked="" type="radio"/> Day <input type="radio"/> Night <input type="radio"/> Bright Night |
|---|---|

|  |   |   |
|--|---|---|
| <b>Sky/Lowest Cloud Condition</b><br><input checked="" type="radio"/> Clear <input type="radio"/> Thin Broken<br><input type="radio"/> Few <input type="radio"/> Thin Overcast<br><input type="radio"/> Partial Obscuration <input type="radio"/> Unknown<br><input type="radio"/> Scattered | <b>Ceiling</b><br><input checked="" type="radio"/> None (Clear) <input type="radio"/> Obscured<br><input type="radio"/> Broken <input type="radio"/> Indefinite<br><input type="radio"/> Overcast <input type="radio"/> Unknown | <b>Temperature:</b> <u>74</u> (C) or _____ (F)<br><b>Dew Point:</b> _____ (C) or _____ (F)<br><b>Altimeter Setting:</b> _____ in. Hg<br>or _____ MB |
| <b>Lowest Cloud Condition Height</b><br>_____ ft agl   | <b>Ceiling Height</b><br>_____ ft agl   |   |

|  |  |   |   |
|--|--|---|---|
| <b>Wind Direction</b><br><input checked="" type="checkbox"/> Variable<br>-or-<br>Direction: _____ degrees true | <b>Wind Speed</b><br><input type="checkbox"/> Calm<br><input type="checkbox"/> Light and Variable<br>-or-<br>Speed: <u>4 - 7</u> kts | <b>Wind Gusts</b><br><input type="checkbox"/> Not Gusting<br>-or-<br>Speed: <u>12</u> kts | <b>Visibility</b> <u>10</u> miles<br>RVR: _____ feet<br>RVV: _____ miles<br><b>Density Altitude:</b> _____ ft |
|--|--|---|---|

|  |   |  |
|--|---|--|
| <b>Intensity of Precipitation</b><br><input type="radio"/> Light<br><input type="radio"/> Moderate<br><input type="radio"/> Heavy<br><input checked="" type="radio"/> N/A<br><input type="radio"/> Unknown | <b>Type of Precipitation</b> (Check all that apply)   | <b>Restriction to Visibility</b> (Check all that apply)  |
|  | <input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Rain<br><input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Shower<br><input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Ice Pellets Shower<br><input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Freezing Drizzle<br><input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals | <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog<br><input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog<br><input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze<br><input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog<br><input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke<br><input type="checkbox"/> Dust <input type="checkbox"/> Unknown |

| <b>Icing Forecast</b>  | <b>Icing Actual</b>               | <b>Turbulence</b> |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
|--|-----------------------------------|-------------------|---------------------------------------|---------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|--|--------|------|---------------------------------------|---------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|--|--|------|----------|--|--------------------------------|------------------------------------|-----------------------------------|--|---------------------------------|--|----------------------------------|
| <table border="0"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input type="radio"/> N/A</td> </tr> <tr> <td><input type="radio"/> Trace</td> <td><input type="radio"/> Rime</td> </tr> <tr> <td><input type="radio"/> Light</td> <td><input type="radio"/> Clear</td> </tr> <tr> <td><input type="radio"/> Moderate</td> <td><input type="radio"/> Mixed</td> </tr> <tr> <td><input type="radio"/> Severe</td> <td><input type="radio"/> Unknown</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td></td> </tr> </table> | Amount                            | Type              | <input checked="" type="radio"/> None | <input type="radio"/> N/A | <input type="radio"/> Trace | <input type="radio"/> Rime | <input type="radio"/> Light | <input type="radio"/> Clear | <input type="radio"/> Moderate | <input type="radio"/> Mixed | <input type="radio"/> Severe | <input type="radio"/> Unknown | <input type="radio"/> Unknown |  | <table border="0"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input type="radio"/> N/A</td> </tr> <tr> <td><input type="radio"/> Trace</td> <td><input type="radio"/> Rime</td> </tr> <tr> <td><input type="radio"/> Light</td> <td><input type="radio"/> Clear</td> </tr> <tr> <td><input type="radio"/> Moderate</td> <td><input type="radio"/> Mixed</td> </tr> <tr> <td><input type="radio"/> Severe</td> <td><input type="radio"/> Unknown</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td></td> </tr> </table> | Amount | Type | <input checked="" type="radio"/> None | <input type="radio"/> N/A | <input type="radio"/> Trace | <input type="radio"/> Rime | <input type="radio"/> Light | <input type="radio"/> Clear | <input type="radio"/> Moderate | <input type="radio"/> Mixed | <input type="radio"/> Severe | <input type="radio"/> Unknown | <input type="radio"/> Unknown |  | <table border="0"> <tr> <th>Type</th> <th>Severity</th> </tr> <tr> <td><input checked="" type="checkbox"/> None</td> <td><input type="checkbox"/> Light</td> </tr> <tr> <td><input type="checkbox"/> Clear Air</td> <td><input type="checkbox"/> Moderate</td> </tr> <tr> <td><input type="checkbox"/> Terrain-Induced</td> <td><input type="checkbox"/> Severe</td> </tr> <tr> <td><input type="checkbox"/> Convective Turbulence</td> <td><input type="checkbox"/> Extreme</td> </tr> </table> | Type | Severity | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Light | <input type="checkbox"/> Clear Air | <input type="checkbox"/> Moderate | <input type="checkbox"/> Terrain-Induced | <input type="checkbox"/> Severe | <input type="checkbox"/> Convective Turbulence | <input type="checkbox"/> Extreme |
| Amount   | Type                              |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input checked="" type="radio"/> None  | <input type="radio"/> N/A         |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Trace  | <input type="radio"/> Rime        |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Light  | <input type="radio"/> Clear       |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Moderate   | <input type="radio"/> Mixed       |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Severe   | <input type="radio"/> Unknown     |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Unknown  |                                   |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| Amount   | Type                              |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input checked="" type="radio"/> None  | <input type="radio"/> N/A         |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Trace  | <input type="radio"/> Rime        |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Light  | <input type="radio"/> Clear       |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Moderate   | <input type="radio"/> Mixed       |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Severe   | <input type="radio"/> Unknown     |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="radio"/> Unknown  |                                   |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| Type   | Severity                          |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input checked="" type="checkbox"/> None   | <input type="checkbox"/> Light    |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="checkbox"/> Clear Air   | <input type="checkbox"/> Moderate |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="checkbox"/> Terrain-Induced   | <input type="checkbox"/> Severe   |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |
| <input type="checkbox"/> Convective Turbulence   | <input type="checkbox"/> Extreme  |                   |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |        |      |                                       |                           |                             |                            |                             |                             |                                |                             |                              |                               |                               |  |  |      |          |  |                                |                                    |                                   |  |                                 |  |                                  |

**NOTAMs (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:**

None that were applicable

**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)*

Significant damage to left main landing gear, left wingtip and wing, leading edge of right wing, trailing edge of right wingtip, left horizontal stabilizer, bottom of rudder, lower tail / tail section.

**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.

The PIC (front seat) has significant tail-wheel experience in Cub aircraft. This was a check-out in the Citabria aircraft being given by the back seat instructor. Of note, the Cub the mishap pilot flew was the model where the PIC flew from the rear seat.

The winds at KLHM were stated by the AWOS to be variable 7-9 knots, with gusts to 12. On short final it was noted that the wind-sock displayed the wind as approximately 20 degrees off of runway heading, estimated at 5-7 knots (front/left quartering wind). There was one other aircraft in the pattern that landed and taxied clear (left side of runway) approximately 30 seconds prior to the mishap landing.

Start, taxi, takeoff from KAUN was uneventful. Enroute, descent, traffic pattern entry, traffic pattern and the initial landing were all uneventful.

Shortly after a normal (3-point) landing, the PIC began to apply forward stick pressure. The rear-seat instructor commanded 'full aft stick'. However, the PIC then raised the tail in an attempt to initiate a go-around. However, before thrust became effective the wind had unknowingly shifted from a left quartering head-wind to a right quartering tail-wind. Since the tail had been raised off the ground at a speed below rudder-effective speed, this caused an immediate and abrupt yawing moment (tail-left) and high-rate left drift. At that moment the thrust from applied power became effective (as did the associating dynamics of P-factor, torque and gyroscopic precession). There was a momentary over-reaction of rudder input right, then left with a simultaneous input of right aileron (causing left wing-drag/yaw/drift left). Unfortunately, by this time there was not enough speed to lift off and the airplane departed the prepared surface (left side of runway). The rear seat took the flight controls just prior to departing the prepared surface. The added drag of tall grass and very rough terrain made it impossible to accelerate to lift-off speed and an abort was initiated almost immediately. The rough terrain exaggerated the yawing moments causing further excursions. An unknown and unavoidable 6-ft deep trench became the final impediment and the ultimate cause of the significant damage to the aircraft when the left main wheel impacted the far side of the trench in a yaw-right/left wing low attitude. The aircraft came to a stop with damages to the wingtips and tail. However, there was no prop-strike / sudden stoppage of the engine. The aircraft was shut down and the pilots exited without incident. It was only then, when we were outside the aircraft that it was discovered that the wind had shifted from a left/forward quartering wind to the right/aft quartering wind and the wind-sock was more erect (estimated 8-12 knots).

Post mishap discussion revealed that when the PIC had initially made the 3-point landed, she was under the belief that she had performed a 'wheel' landing (2-point). This mis-perception was likely the result of the different viewpoint between the Cub (primarily flown from the back seat) and the front seat of the Citabria.

When the rear-seat instructor had commanded 'aft stick', this was confusing to the PIC so she attempted to 'continue' with a wheel-landing procedure (i.e. maintain a tail-up attitude). This, in combination with the sudden wind change caused the initial aircraft flightpath excursion.



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

Operator/Owner Safety Recommendation

None

**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)

18 Gallons**Fuel Type**☐ 80/87☐ 115/145☐ Jet B☐ Other, specify \_\_\_\_\_☒ 100 Low Lead☐ Jet A☐ JP8☐ 100/130☐ Jet A-1☐ Automotive**Other Services, if Any, Prior to Departure**

None

**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**

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

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

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

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

**Pilot of Other Aircraft**

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

05/06/2019

*mm/dd/yyyy*

Name of Pilot/Operator: Mach 5 Aviation, Inc.

Signature: \_\_\_\_\_

-- or --

☐

Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: Dennis Pearson

Title: CFI / Aircraft owner

Signature: \_\_\_\_\_

-- or --

☒

Check here to electronically sign this document

**FOR NTSB USE ONLY**

NTSB Accident/Incident No.

GAA19CA228

Reviewed by NTSB Regional Office

GAA

Name of Investigator

Eric M. Gutierrez

Date Report Received

5/6/2019