

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.

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.

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.

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.nts.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

BASIC INFORMATION

Accident/Incident Location
 Nearest City/Place: OTTO VOR State: NM
 ZIP: 87035 Country: US
 Latitude: 35.0979N Longitude: 105.9663W
(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time
 Date: 05/01/2015 Local Time: 11:07am
mm/dd/yyyy Time Zone: Mountain
Collision with Other Aircraft: Midair On-ground None

AIRCRAFT INFORMATION

Registration Number: N950TA
Manufacturer: Titan Aerospace Holdings, Inc
Model: Solara 50
Serial Number: 0001
Year of Manufacture: 2015
Amateur-Built: Yes No *If Yes:* Kit/Plans Original Design Make: _____

IFR-Equipped and Certified
 Commercial Space Flight
 Unmanned Aircraft
Maximum Gross Weight: 870 lbs
Weight at Time of Accident/Incident: 833.25 lbs
Number of Seats: 0 Flight Crew Seats: 0
 Cabin Crew Seats: 0 Passenger Seats: 0
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. mm/dd/yyyy | Rated Power <input type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust | Total Time (hours) | Time Since: Inspection (hours) | Overhaul (hours) |
|--------|---------------------|---------------------|------------------------------|-------------------------|---|--------------------|--------------------------------|------------------|
| Eng. 1 | Ramazani & Assoc. | M19 | 1 (prototype) | 01/15/2015 | | 0.1 | 0 | NA |
| Eng. 2 | | | | | | | | |
| Eng. 3 | | | | | | | | |
| Eng. 4 | | | | | | | | |

Last Inspection Type
 100-Hour Continuous Airworthiness
 AAIP Conditional Inspection
 Annual Unknown

Date Last Inspection: 04/27/2015
mm/dd/yyyy
Airframe Total Time: 0.1 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: Titan Aerospace
 Model: 414-00003-001

Propeller 2
 Fixed Pitch
 Controllable Pitch
 Ground Adjustable
 Manufacturer: _____
 Model: _____
ELT Installed: Yes No
If Yes:
ELT Manufacturer: _____
Model or Part No.: _____
TSO No.: C91 (121.5 MHz) C91a (121.5 MHz)
 C126 (406 MHz)
Was ELT still mounted in aircraft? Yes No
Was ELT still connected to antenna? Yes No
Did ELT Activate? Yes No
If activated:
Did ELT Aid in Locating Aircraft? Yes No
If not activated:
Indicate Reason: Impact Damage
 Fire Damage
 Battery Expired/Damaged
 Unknown

Additional Equipment *(Check all that apply)*
 ADS-B
 Airframe Parachute
 Angle of Attack Indicator
 Autopilot
 Data Recorder
 Electronic Flight Bag or Handheld Device
 Electronic Multifunction Display
 Electronic Primary Flight Display
 Handheld GPS
 Heads Up Display
 Onboard Weather
 Satellite Tracking Device
 Stall Warning System
 Video Recording Device
 Other, Specify: Transponder (Mode S)

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**Name: Titan Aerospace Holdings, IncCity: MoriartyFractional Ownership Aircraft: Yes NoState: NM ZIP: 87035Country: US**Operator of Aircraft** Same As Registered Owner Same Address as Registered Owner

Name: _____

City: _____

Doing Business As: _____

State: _____ ZIP: _____

Air Carrier/Operator Designator (4 Character Code): _____

Country: _____

Operating Certificates Held*(Check all that apply)*

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

Regulation Flight Conducted Under

- FAR 91 FAR 129 FAR 415
 FAR 103 FAR 133 FAR 431
 FAR 121 FAR 135 FAR 435
 FAR 125 FAR 137 FAR 437
- FAR 91 Special Flight
 Non-US, Commercial
 Non-US, Non-commercial
- Public Aircraft *(Select one)*
 Armed Forces
 Federal
 State
 Local
 Unknown

Revenue Operation for FAR 121, 125, 129, 135*(Select one for each group)*

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

Purpose of Flight for FAR 91, 103, 133, 137*(Select one)*

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

Revenue Sightseeing Flight Yes No**Air Medical Flight** Yes No**AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)**Airport Name: Private AerodromeDistance From Airport Center: 0.85 smAirport Identifier: NADirection From Airport: approx 050 degrees trueProximity to Airport: Off Airport/Airstrip On Airport/Airstrip N/AAirport Elevation: 6200 ft. msl**Runway Information**Runway ID: NA (L/R/C) Length: _____ ft Width: _____ ft**Runway/Landing Surface (Check all that apply)**

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

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

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

Approach/Departure Segment (Select one)

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

IFR Approach (Check all that apply)

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

VFR Approach (Check all that apply)

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

“FLIGHT CREWMEMBER 2” INFORMATION

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

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

“Flight Crewmember 2” was pilot flying Yes No

“Flight Crewmember 2” Identification

First Name: Michael City of Residence: Tijeras
 Middle Initial: _____ State: NM ZIP: 87059
 Last Name: Elyea Country: USA
 Age at time of Accident/Incident: _____ Date of Birth: _____ mm/dd/yyyy
 Certificate Number: _____

| | | | |
|--|--|--|---|
| Degree of Injury <input checked="" type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious | Seat Occupied <input checked="" type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single | Restraint Type Available <input checked="" type="radio"/> None <input type="radio"/> Lap only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown Used <input checked="" type="radio"/> None <input type="radio"/> Lap only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown | Inflatable Restraints <input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown |
|--|--|--|---|

Pilot Certificate(s) (Check all that apply)

| | | | |
|---|--|--|--------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Flight Instructor | <input type="checkbox"/> Commercial | <input type="checkbox"/> US Military |
| <input checked="" type="checkbox"/> Private | <input type="checkbox"/> Recreational | <input type="checkbox"/> Airline Transport | <input type="checkbox"/> Foreign |
| <input type="checkbox"/> Student | <input type="checkbox"/> Sport | <input type="checkbox"/> Flight Engineer | |

| | | | |
|---|---|--|--|
| Principal Occupation <input type="radio"/> Pilot <input checked="" type="radio"/> Other <input type="radio"/> Unknown | Medical Certificate <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver’s License (Sport Pilot only) <input checked="" type="radio"/> Class 2 <input type="radio"/> Unknown | Medical Certificate Validity <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance | Date of Last Medical <u>03/03/2015</u> mm/dd/yyyy |
|---|---|--|--|

Medical Certificate Limitations
 Must wear corrective lenses for near and distant vision

Medical Certificate Special Issuance
 N/A

| | |
|--|---|
| Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>03/31/2014</u> mm/dd/yyyy | Flight Review Aircraft Make: <u>Cessna</u> Model: <u>172 S</u> |
|--|---|

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

| | |
|----------------------------|--|
| Type Ratings N/A | Student Endorsements (Include dates) N/A |
|----------------------------|--|

| 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 | 296 | 0 | 296 | 0 | 30 | 4 | 49 | 0 | 0 | 0 |
| Pilot in Command (PIC) | 250 | 0 | 250 | 0 | 30 | 4 | 49 | 0 | 0 | 0 |
| Time as Instructor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| This Make/Model | | | | | | | | | | |
| Last 90 Days | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Last 30 Days | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Last 24 Hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

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

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

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

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

FLIGHT ITINERARY INFORMATION

| | | | |
|---|---|--|---|
| Last Departure Point Airport ID: <u>NA - private</u> City: <u>Moriarty</u> State: <u>NM</u> Country: <u>US</u> | Time of Departure Time: <u>11:02</u> Time Zone: <u>Mtn</u> | Destination Airport ID: <u>same</u> City: _____ State: _____ Country: _____ | Type Flight Plan Filed <input type="radio"/> None <input type="radio"/> Company VFR <input type="radio"/> Military VFR <input checked="" type="radio"/> VFR Activated? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> VFR/IFR <input type="radio"/> IFR <input type="radio"/> Unknown |
|---|---|--|---|

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

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

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

| | | | |
|----------------------------------|---|---|---|
| <input type="checkbox"/> Class A | <input 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 | |

Altitude of In-Flight Occurrence:
6700 ft msl

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

| | | | | | | | | | | | | | |
|---|--|---|---|-----------------------------------|-----------------------------------|--|--|-------------------------------|---|----------------------------------|---|--|---|
| Source of Pilot Weather Information (Check all that apply) <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> National Weather Service</td> <td><input checked="" type="checkbox"/> Company</td> </tr> <tr> <td><input type="checkbox"/> Flight Service Station</td> <td><input type="checkbox"/> Military</td> </tr> <tr> <td><input type="checkbox"/> TV/Radio</td> <td><input checked="" type="checkbox"/> Internet</td> </tr> <tr> <td><input checked="" type="checkbox"/> Automated Report</td> <td><input type="checkbox"/> None</td> </tr> <tr> <td><input type="checkbox"/> Commercial Weather Service (DUATS)</td> <td><input type="checkbox"/> Unknown</td> </tr> <tr> <td><input type="checkbox"/> On-Board Weather</td> <td></td> </tr> </table> | <input checked="" type="checkbox"/> National Weather Service | <input checked="" type="checkbox"/> Company | <input type="checkbox"/> Flight Service Station | <input type="checkbox"/> Military | <input type="checkbox"/> TV/Radio | <input checked="" type="checkbox"/> Internet | <input checked="" type="checkbox"/> Automated Report | <input type="checkbox"/> None | <input type="checkbox"/> Commercial Weather Service (DUATS) | <input type="checkbox"/> Unknown | <input type="checkbox"/> On-Board Weather | | Weather Observation Facility Facility ID: <u>Gnd wx station (pri), 0E0 AWOS</u> Observation Time: <u>11:00am</u> Time Zone: <u>Mountain</u> Distance from Accident Site: <u>0.85</u> nm Direction from Accident Site: <u>310</u> degrees true |
| <input checked="" type="checkbox"/> National Weather Service | <input checked="" type="checkbox"/> Company | | | | | | | | | | | | |
| <input type="checkbox"/> Flight Service Station | <input type="checkbox"/> Military | | | | | | | | | | | | |
| <input type="checkbox"/> TV/Radio | <input checked="" type="checkbox"/> Internet | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Automated Report | <input type="checkbox"/> None | | | | | | | | | | | | |
| <input type="checkbox"/> Commercial Weather Service (DUATS) | <input type="checkbox"/> Unknown | | | | | | | | | | | | |
| <input type="checkbox"/> On-Board Weather | | | | | | | | | | | | | |

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

| | | |
|---|---|--|
| Sky/Lowest Cloud Condition <input type="radio"/> Clear <input checked="" type="radio"/> Few <input type="radio"/> Partial Obscuration <input type="radio"/> Scattered <input type="radio"/> Thin Broken <input type="radio"/> Thin Overcast <input type="radio"/> Unknown Lowest Cloud Condition Height <u>10,000</u> ft agl | Ceiling <input checked="" type="radio"/> None (Clear) <input type="radio"/> Broken <input type="radio"/> Overcast <input type="radio"/> Obscured <input type="radio"/> Indefinite <input type="radio"/> Unknown Ceiling Height _____ ft agl | Temperature: <u>22</u> (C) or _____ (F) Dew Point: <u>-3</u> (C) or _____ (F) Altimeter Setting: <u>30.18</u> in. Hg or _____ MB |
|---|---|--|

| | | | |
|--|---|--|--|
| Wind Direction <input checked="" type="checkbox"/> Variable -or- Direction: _____ degrees true | Wind Speed <input type="checkbox"/> Calm <input checked="" type="checkbox"/> Light and Variable -or- Speed: <u>2</u> kts | Wind Gusts <input checked="" type="checkbox"/> Not Gusting -or- Speed: _____ kts | Visibility <u>> 10</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft |
|--|---|--|--|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------------------------------|--|-------------------------------|--------------------------------------|--------------------------------------|-------------------------------|---------------------------------------|---|-------------------------------|--------------------------------------|---|---------------------------------------|---------------------------------------|--|---|--|------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|-------------------------------|---------------------------------------|----------------------------------|--|--------------------------------|-------------------------------|----------------------------------|
| Intensity of Precipitation <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input checked="" type="radio"/> N/A <input type="radio"/> Unknown | Type of Precipitation (Check all that apply) <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> None</td> <td><input type="checkbox"/> Drizzle</td> <td><input type="checkbox"/> Freezing Rain</td> </tr> <tr> <td><input type="checkbox"/> Rain</td> <td><input type="checkbox"/> Ice Pellets</td> <td><input type="checkbox"/> Snow Shower</td> </tr> <tr> <td><input type="checkbox"/> Snow</td> <td><input type="checkbox"/> Snow Pellets</td> <td><input type="checkbox"/> Ice Pellets Shower</td> </tr> <tr> <td><input type="checkbox"/> Hail</td> <td><input type="checkbox"/> Snow Grains</td> <td><input type="checkbox"/> Freezing Drizzle</td> </tr> <tr> <td><input type="checkbox"/> Rain Showers</td> <td><input type="checkbox"/> Ice Crystals</td> <td></td> </tr> </table> | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Drizzle | <input type="checkbox"/> Freezing Rain | <input type="checkbox"/> Rain | <input type="checkbox"/> Ice Pellets | <input type="checkbox"/> Snow Shower | <input type="checkbox"/> Snow | <input type="checkbox"/> Snow Pellets | <input type="checkbox"/> Ice Pellets Shower | <input type="checkbox"/> Hail | <input type="checkbox"/> Snow Grains | <input type="checkbox"/> Freezing Drizzle | <input type="checkbox"/> Rain Showers | <input type="checkbox"/> Ice Crystals | | Restriction to Visibility (Check all that apply) <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> None</td> <td><input type="checkbox"/> Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Dust</td> <td><input type="checkbox"/> Ground Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Sand</td> <td><input type="checkbox"/> Haze</td> </tr> <tr> <td><input type="checkbox"/> Blowing Snow</td> <td><input type="checkbox"/> Ice Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Spray</td> <td><input type="checkbox"/> Smoke</td> </tr> <tr> <td><input type="checkbox"/> Dust</td> <td><input type="checkbox"/> Unknown</td> </tr> </table> | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Fog | <input type="checkbox"/> Blowing Dust | <input type="checkbox"/> Ground Fog | <input type="checkbox"/> Blowing Sand | <input type="checkbox"/> Haze | <input type="checkbox"/> Blowing Snow | <input type="checkbox"/> Ice Fog | <input type="checkbox"/> Blowing Spray | <input type="checkbox"/> Smoke | <input type="checkbox"/> Dust | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Drizzle | <input type="checkbox"/> Freezing Rain | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rain | <input type="checkbox"/> Ice Pellets | <input type="checkbox"/> Snow Shower | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Snow | <input type="checkbox"/> Snow Pellets | <input type="checkbox"/> Ice Pellets Shower | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Hail | <input type="checkbox"/> Snow Grains | <input type="checkbox"/> Freezing Drizzle | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Rain Showers | <input type="checkbox"/> Ice Crystals | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Fog | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Blowing Dust | <input type="checkbox"/> Ground Fog | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Blowing Sand | <input type="checkbox"/> Haze | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Blowing Snow | <input type="checkbox"/> Ice Fog | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Blowing Spray | <input type="checkbox"/> Smoke | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Dust | <input type="checkbox"/> Unknown | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Icing Forecast <table style="width: 100%;"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input checked="" 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 checked="" 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 | | Icing Actual <table style="width: 100%;"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input checked="" 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 checked="" 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 | | Turbulence <table style="width: 100%;"> <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 checked="" 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 checked="" 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:
D-NOTAM for unmanned aircraft operations

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)*

Destruction of aircraft upon contact with ground in rural unpopulated area. No damage to other property.

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 flight of the Titan Solara 50 (Demeter) unmanned experimental aircraft N950TA occurred on May 1, 2015 Northwest of the OTTO VOR. The test flight consisted of several segments. At UTC 17:02:43 the aircraft began a controlled winch tow and rolled on the ground until liftoff. The aircraft then climbed straight ahead on winch tow at a heading of roughly 150 degrees. After the tow release at approximately 30 ft AGL, at UTC 17:03:38 the aircraft was powered up to full throttle for a straight ahead climb. Following liftoff the pilot transitioned to flying the aircraft via instruments which exhibited complicating latency and the pilot's primary concern moved to fly the aircraft to a safe position where the external pilot (copilot) could take control and visually land the aircraft.

At UTC 17:04:25 the aircraft was at approximately 160 ft AGL and the pilot initiated a left hand turn. The left hand turn was continued until the aircraft reached a heading of 338 degrees and an altitude of approximately 385 ft AGL, at UTC 17:06:06. During this time the pilot made two power reductions in attempt to stabilize the aircraft at an altitude and heading acceptable for handover and subsequent recovery (external visual landing) by the copilot, as briefed. Note: handover of controls to the copilot was not ultimately attempted during the flight.

There are indications that the aircraft then encountered significant thermal air mass activity and began to both climb and exceed its design airspeed for an extended period of time. Visible deformation of the wing structure was witnessed by ground personnel during the overspeed condition. It achieved a maximum altitude of approximately 520 ft AGL just prior to structural failure of the left outboard wing. These thermal events were not immediately evident to the pilot due to latency of the aircraft instruments. It is believed the subsequent wing deformation caused the aircraft to begin an uncontrollable right hand turn to a northerly heading around 356 degrees, which the pilot was unable to arrest.

Coincident with the significant wing deformation, the aircraft began an uncontrollable and erratic flight path roughly straight ahead in a rapid descent. The left outboard wing section separated from the aircraft during the first portion of the descent (from 520 ft AGL), the right outboard wing section separated later in the descent. The aircraft impacted the ground at UTC 17:06:59 with the majority of the structure intact and in a nose down attitude. The failure was caused by the aircraft encountering sustained airspeed greater than it was structurally designed to withstand. There were no meteorological indicators that clearly showed evidence of significant pre-launch thermal activity in the test flight area.

The aircraft was destroyed when it struck the ground in a rural unpopulated area. Local terrain surrounding the takeoff area, intended landing area (same as takeoff location), and accident site consisted of flat desert grassland. There were no injuries or damage to property. The aircraft was removed from the area without further incident.

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

Operator/Owner Safety Recommendation

Large lightly loaded structures are inherently susceptible to surface winds and thermal activity which becomes increasingly prevalent in late morning and early afternoon operations. Improved (1) weather monitoring in the low altitude flight area for thermal activity (2) greater fidelity flight simulation and (3) more expedient climb and descent profile would reduce exposure and effect of surface thermals. The weather factors, in combination with instrument and control latency, adversely affected pilot ability to maintain airspeed within limits.

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.)

Left outboard main wing spar.
 Manuf: Titan Aerospace
 PN: NA (Integral to prototype aircraft)
 SN: NA (Integral to prototype aircraft)
 Fracture of outboard main wing spar as a direct result of sustained aircraft overspeed condition.

Total Time/Cycles On Part

0.1 _____ Hours

1 _____ Cycles

Time Since This Part Inspected/Overhauled

N/A _____ Hours

FUEL & SERVICES INFORMATION**Fuel on Board at Last Takeoff**

(Convert from pounds, as necessary)

N/A _____ Gallons

Fuel Type 80/87 115/145 Jet B Other, specify Electric Batteries 100 Low Lead Jet A JP8 100/130 Jet A-1 Automotive**Other Services, if Any, Prior to Departure**

None

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? Yes No**Method of Exit** – Describe how the occupants exited and how many occupants evacuated each location

NA

OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)**Aircraft Registration Number**

NA

Manufacturer: NA**Model:** _____**Damage to Other Aircraft** Destroyed Minor Substantial None**Registered Owner of Other Aircraft**

Name: NA

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

Name: NA

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

07/24/2015

mm/dd/yyyy

Name of Pilot/Operator: _____

Signature: _____

-- or -- Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: Chris Jackman

Title: Titan Aerospace Certification

Signature: _____

-- or -- Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No.

Reviewed by NTSB Regional Office

Name of Investigator

Date Report Received