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

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

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

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

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

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

Rules pertaining to notification of aircraft accidents and incidents, as well as overdue aircraft are found in 49 Code of Federal Regulations (CFR) Part 830 http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/Title49/49cfr830_main_02.tpl. These rules state the authority of the NTSB, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification of accidents and incidents by aircraft pilots/operators.

A. APPLICABILITY

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

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

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

B. DEFINITIONS

- "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.
- "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.
- "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.
- 5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM It is necessary that ALL questions on this report be answered completely and accurately. If more space is needed, continue on a blank sheet of paper.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EXECUTIVE/CORPORATE—Company flying with a paid, professional crew.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BASIC INFORM	ATION											
Accident/Incident L	ocation					Accident/Incident Date/Time						
Nearest City/Place: Fo	rt Davis			State: T	X	Date:	111	102021	Lo	cal Time:	1100	
ZIP: 79734	Country: US	A					mm de	t_{yyyy}	***	7 (тет	
Latitude: 30.735729		Longitude: -104	.006387						1,0	me Zone: _	CST	
(Enter in decimal degrees or degrees:minutes:seconds)					Collision	with	Other Air	eraft: C) Midair	OOn-ground	i ⊚ None	
AIRCRAFT INF	ORMATIO	N										
Registration Number	r: N3027W	26				_		ped and Ce				
Manufacturer: ROBINSON							al Space Fli l Aircraft	ght 				
Model: R44						Maximu	m Gr	oss Weigh	t: 2500		lbs	
Serial Number:						Weight a	t Tin	ne of Accid	ent/Inci	dent: 223	36	lbs
Year of Manufactur	e:					Number	of Se	ats: 4		Flight Cre	w Seats: 1	
Amateur-Built: O'		O Kit/Plans Mal	ce:			Cabin Crev	w Seat	ts:		Passenger	Seats: 3	
© 1	io (Original Design				Number	of Er	gines: 1		_		
Category of Aircra		irworthiness Ce	rtificate		Landing Gea					Type (Se		
O Airplane	(Check all I	11.77			(Check all that	apply) letractable				procating o Shaft	O Liquid O Solid	
O Balloon O Blimp/Dirigible	☑ Norma		ted		□Tricycle	cuacianic	ΠТ	ailwheel	O Turb		OHybri	
OGlider	☐ Aerob			- 1			şΞ.		OTurb		O None O Unkno	
O Gyroplane O Helicopter	Comn				☐ Amphibian ☐ Emergency				O Turb O Elect	7	Conkin	own.
O Powered Lift	Transp				□Float	□Ski						
O Rocket O Ultralight	Utility		Light-Spor	ight-Sport				Type (Reciprocating)				
OUnknown	□Certificate	e of Authorization	Other Launch/Rec			nch/Recove	ry Sys	stem	O Carb	uretor	● Fuel-I	njected
	None		Unknown	(00.1)	☐ None	Unknown						
		TO Constitute		M6	acturer's	Date		Rated Pow O Horsep		Total Time	Time S Inspection	
Engine Engine Man	ıfacturer	Engine Model/Series		7	Number	of Mf		O lbs of	Thrust	(hours)	(hours)	(hours)
Eng. 1 LYCOMING		IO-540				\perp						
Eng. 2						1-						
Eng. 3						-						
Eng. 4			Propelle	r 1	OFixed Pit	tch		Prone	ller 2	0	Fixed Pitch	
Last Inspection Ty			Tropene	11	OControlla OControlla	Pritch Propeller 2 OFixed Pitch OControllable Pitch						
OAAIP OC	ontinuous Airwo onditional Inspe			27		d Adjustable OGround Adjustable Manufacturer:						
	nknown	caon										
Date Last Inspectio	1:											
	mm/dd/yy	*.*		talled:	⊚Yes ON	No		Additio	_	ipment (Check all that	apply)
Airframe Total Tim hours measured at		hrs	If Yes:	nufactur	er:			Airf	rame Para			
OLast Inspection		ccident/Incident			<u> </u>			☐ Ang		ck Indicato	г	
Type of Maintenance			TSO No.:		(121.5 MHz) O	C91a (121.:	5 MH	z) 🔲 Data	Recorde			
O Annual	c r rogram pa	neci one)			(406 MHz)	4	4				Handheld Dev	ice
O Conditional (Amater					unted in aircraft nected to anten					ltifunction mary Flight		
O Manufacturer's Insp		(AAID)			? OYes ON		ON	☑Han	dheld GPS	3		
O Other Approved Inst O Continuous Airwort		(AAIP)	If activa						ds Up Dis oard Wea			
O Other, specify:			Did ELT	Aid in L	ocating Aircraft	t: OYes	⊙ No			ting Device	,	
Description of Fire	Extinguishing	System	If not ac						Warning			
None Specify:			Indicate l	Reason:	Impact Dam				eo Record er, Specify	ing Device		
C specify.					☐ Fire Damage ☐ Battery Exp		zed					
					Unknown							

OWNER/OPERATOR INFORMA	ATION						
Registered Aircraft Owner			City: ALBANY				
Name: S2 HELICOPTER SERVICES			State: TX	ZIP: 76430			
Fractional Ownership Aircraft: O Yes ©	No		Country: USA				
Operator of Aircraft	gistered Owner		Same Address as Registered Ow	ner			
Name: AARON KELLUM			City: KILLEEN				
Doing Business As:			State: <u>TX</u> ZIP: <u>76542</u>				
Air Carrier/Operator Designator (4 Characte	er Code):		Country: USA				
			1				
Operating Certificates Held (Check all that apply)	Regulation Flight Condu	icted Under	Revenue Operation for FAR (Select one for each group)	121, 125, 129, 135			
☑ None ☐ Flag Carrier Operating Certificate (FAR 121) ☐ Supplemental ☐ Air Cargo ☐ Foreign Air Carriers (FAR 129) ☐ Rotorcraft External Load (FAR 133)	OFAR 121 OFAR 135 OFAR 125 OFAR 137 OFAR 91 Special Flight	OFAR 415 OFAR 431 OFAR 435 OFAR 437	O Scheduled or Commuter O Non-Scheduled or Air Taxi O Passenger O Cargo	O Domestic O International			
☐ Commuter Air Carrier (FAR 135) ☐ On-Demand Air Taxi (FAR 135)	O Non-US, Commercial O Non-US, Non-commercial		O Mail Contract Only				
Commercial Air Tour (FAR 136) Agricultural Aircraft (FAR 137) Pilot School (FAR 141) Certificate of Authorization or Waiver (COA)	O Public Aircraft (Select one) O Armed Forces			efighting OUnknown			
Commercial Space Transportation Experimental Permit	O State			ght Test ider Tow			
☐ Commercial Space Transportation License	O Local		O Air Race/Show Olns	tructional			
Other Operator of Large Aircraft	O Unknown			her Work Use rsonal			
			O Executive/Corporate O Pos	sitioning			
Revenue Sightseeing Flight	Air Medical Flight		O External Load OSky	ydiving			
O Yes ● No	O Yes ⊚ No		7				
AIRPORT INFORMATION (Fill in	if accident/incident occurre	ed on approac	ch, landing, takeoff, departure, o	r within 3 miles of an airport)			
			100				
Airport Name:			istance From Airport Center: _				
Proximity to Airport: O Off Airport/Airstri		~ ~~	Direction From Airport: degrees Airport Elevation: ft. msl				
	, , , , , , , , , , , , , , , , , , , ,	A	irport Elevation:	ft. msl			
Runway Information		Co	ndition of Runway/Landing Sur	rface (Check all that apply)			
Runway ID:(L/R/C) Length:	ft Width:		Dry Snow-Comp				
Runway/Landing Surface (Check all that of	apply)		Holes Snow-Cruste	d Water-Choppy Water-Glassy			
☐ Asphalt ☐ Grass/Turf ☐ Maca		-	Rough Snow-Wet	□ Water-Classy			
☐ Concrete ☐ Gravel ☐ Meta ☐ Dirt ☐ Ice ☐ Snow			Rubber Deposits Soft Slush-Covered Vegetation	Unknown			
	_ Chanoni	"	Sitisf-Covered	☐ Unknown			
Approach/Departure Segment (Select one)						
OTaxi OVFR Departure OTakeoff OlfR Departure Proc Olnitial Climb		ument Approac	OBase OGo A	rted Landing (after touchdown)			
IFR Approach (Check all that apply)		VF	R Approach (Check all that apply	<i>y</i>			
None			None	-			
□ ADF/NDB □ PAR □ SDF □ Sidestep □ VOR/TVOR □ ILS □ VOR/DME □ Localizer Only □ TACAN □ LOC-back course □ RNAV	☐MLS ☐Prac ☐LDA ☐GPS ☐ASR ☐Visual ☐Contact ☐Circling ☐Unk		Traffic Pattern Straight-In Valley/Terrain Following Go Around Full Stop	☐ Stop and Go ☐ Touch and Go ☐ Simulated Forced Landing ☐ Forced Landing ☐ Precautionary Landing ☐ Unknown			

"FLIGHT CREWMEMBER 1" INFORMATION											
"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident ⊙ Pilot O Co-Pilot O Student Pilot O Flight Instructor O Check Pilot O Flight Engineer O Other Flight Crew											
"Flight Crewmember 1" was pilot flying Yes No											
"Flight Crewmember 1" Id	lentification										
First Name: AARON City of Residence: KILLEEN											
Middle Initial: J					State	e: TX			ZIP: 7654	2	
Last Name: KELLUM						intry:					
	f Accident/Incident:	37	Data of F	Dieth:				m/dd/www			•
Age at time of Accident/Incident: 37 Date of Birth: 1984 mm/dd/yyyy Certificate Number: 1984											
D	6-40	Ce	rtificate Nun	nber:	Distant	- 4 T					
Degree of Injury Seat Occupied Restraint Type Inflatable Restraints O None O Fatal O Left O Front O Unknown Applicable Under the Company of								Restraints			
O Minor O Unknown		Rear	Ocimio			ailable None		O None		☑ Not Ins	
O Serious		Single				Lap or		O Lap onl	y	☐ Installe	
Pilot Certificate(s) (Check a						3-poin 4-poin				□ Not De □ Deploy	ed
□ None □ Flight □ Private □ Recre	Instructor	mercial ne Transpo	US M			5-poin		O 5-point		Unkno	
☐ Student ☐ Sport		t Engineer		,	0) Unkno	wn	OUnknow	vn		
										Data of La	-4 M - 4'1
Principal Occupation	Medical Certificate	1923		- 1			tificate Va			Date of La	st Medical
Other	O None O Cla		se (Sport Pilo	t only)			itations/wai ions/waiver:		nknown /A	04/29/20	21
O Unknown	0	known	ise (oport i no	cony,	-	cial Issu				mm dd y	
Medical Certificate Limita	tions										
İ											
Medical Certificate Special	Issuance										
Date of Last Flight Review		Flight	Review Aire	craft							
or Equivalent, Including FAR 121/135 Checks:	10/23/2021	Make:	ROBINSON	V							
PAR 121/133 CHECKS.	mm/dd/yyyy	Model:	R44								
Airplane Rating(s)	Other Aircraft Ra	ting(s)	Instrum	ent Rati	ing(s)		Instructo	r Rating(s)			
(Check all that apply)	(Check all that apply		1000000 000 0	ll that app			(Check all	40.0			
None	None		☐ None				☐ None			Instrument	
☐ Single-Engine Land ☐ Single-Engine Sea	☐ Airship ☐ Balloon		☐ Airpla					e Single-Eng		Instrument	Helicopter
☐ Multiengine Land	Glider		☐ Helice				Gyropla	e Multi-Engir me		☐ Helicopter☐ Glider	
☐ Multiengine Sea	☐ Gyroplane						Powered			Sport	
	☑ Helicopter ☐ Powered Lift										
Type Ratings	- rowered Lin					_	Student F	ndorsemer	its (Include	datesi	
-, pc							Student L	augur scance	as (memas	uurcsy	
Flight Time (Enter appropria	te All Th	is Make	Airplane	A !1			Inst	rument		T	
number of hours in each box)	NOTE: 10.1855-10	Model	Single Engine	Airpla Multien		Night	Actual	Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time	2,737					1,211	22	158	2,73	7	
Pilot in Command (PIC)	2,100	151									
Time as Instructor	2,000										
This Make/Model											
Last 90 Days		151									
Last 30 Days		51									
Last 24 Hours											

"FLIGHT CREWMEMBER 2" INFORMATION										
"Flight Crewmember 2" Re	sponsibilities at	the Time of	Accident/Inc	ident						
OPilot OCo-Pilot	O Student Pilot	OFlight In	nstructor C	Check Pilot	O Flig	ht Engineer	OOther F	light Crew		
"Flight Crewmember 2" was pilot flying Yes No										
"Flight Crewmember 2" Ide										
First Name: City of Residence:										
Middle Initial:				St	ate:		Z	IP:		
Last Name:										
					J.,	mn	dd vyv			
Age at time of Accident/Incident: Date of Birth: mm/dd/yyyy Certificate Number:										
Degree of Injury	Seat Occup		The state of the s		traint T	vne			Inflatable D	
O None O Fatal	OLeft	OFront	OUnknow	um l	Availab		17	Ι,	Inflatable R	estraints
O Minor O Unknown O Serious	O Right O Center	ORear OSingle			O None	1.7	O None		□ Not Inst	alled
Pilot Certificate(s) (Check al		Osingie			O Lap		O Lap only	,	☐ Installed	I
□ None □ Flight	10	Commercial	□ US Mi	Literania -	O 3-po		O 3-point O 4-point		☐ Not Dep ☐ Deploye	
☐ Private ☐ Recrea		Airline Transpo			O 5-po	int	O 5-point		Unknow	
☐ Student ☐ Sport		Flight Enginee	г		O Unki	iown	O Unknow	n		
Principal Occupation	Medical Certific	ate		Med	dical Ce	rtificate Va	lidity		Date of Las	t Medical
	_	Class 3				mitations/wai		nknown	Date of Las	Wiculcai
1	O Class 1	Driver's Lice	nse (Sport Pilot	only) OV	Vith limit	ations/waivers				_
) Unknown		Os	pecial Iss	suance			mm/dd/yy	yy
Medical Certificate Limitat	ions									
Medical Certificate Special	Issuance									
Date of Last Flight Review		Flight	Review Airc							
or Equivalent, Including										
FAR 121/135 Checks:	/11:									_
Atantana Battania	mm/dd/yyyy	Model								
Airplane Rating(s) (Check all that apply)	Other Aircraf		Instrum	ent Rating(s)	Instructor				
None	None	PPU	None	that apply)		(Check all II	ат арргу)	п	Instrument A	irolana
☐ Single-Engine Land	☐ Airship		☐ Airpla			☐ Airplane	Single-Engir	e 🗆	Instrument H	
☐ Single-Engine Sea ☐ Multiengine Land	☐ Balloon ☐ Glider		☐ Helico			Airplane	Multi-Engine		Helicopter	F
☐ Multiengine Sea	Gyroplane		LI Power	ea Lin		☐ Gyroplar ☐ Powered			Glider Sport	
	Helicopter							_	орол	
Type Ratings	☐ Powered Lift					Student F	ndorsement	e (Innlests 1	ertan)	
Type Ratings						Student El	iuorsemeni	s (include a	ates)	
Flight Time (Enter appropria	te All	This Make	Airplane Single	Airplane		Inst	rument			Lighter
number of hours in each box)	Aircraft	& Model	Engine	Multiengine	Night	Actual	Simulated	Rotorcraft	Glider	Than Air
Total Time										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days	+	·			-					
Last 30 Days					-					
Last 24 Hours					1		l		1	

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)								
Crew Name and Addre	ess					Seat Occupie	ed	Injury
Middle Initial:	First Name:							O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (Check all that apply) None						Restraint Ty Available O None O Lap Only O 3-point	pe: Used O None O Lap Only O 3-point	Inflatable Restraints Not Installed Installed
Type Rating/Endorsement for Accident/Incident Aircraft?						O 4-point O 5-point O Unknown	☐ Not Deployed ☐ Deployed ☐ Unknown	
Crew Name and Addr	ess					Seat Occupie	d	Injury
First Name: Middle Initial: Last Name:	_	State:	esidence:	ZIP:		OLeft OCenter ORight	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (Check all that apply) None Flight Instructor Commercial US Military Private Recreational Airline Transport Foreign Student Sport Flight Engineer Type Rating/Endorsement for Total Flight Time at the Time Accident/Incident Aircraft? Yes No of this Accident/Incident: hrs						Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
DACCENCED(C) //	ATHER REPARK							
PASSENGER(S)/	OTHER PERSON	INEL (Inclu	ide cabin crew; c	ontinue on s	eparate shee	t if necessary)		
Name and Address	OTHER PERSON	INEL (Inclu	seat	ontinue on s Injury	eparate shee Restraint T		Inflatable Restraints	Age
	City : Midland State: TX Z	IP: <u>79701</u>	Seat OLeft			Used O None O Lap Only 3-point O 4-point O 5-point		Under 5 years
Name and Address First Name: James Middle Initial: Last Name: Cooper	City: Midland State: TX Z Country: USA Passenger City: Midland State: TX Z	IP: <u>79701</u> O Other IP: <u>79701</u>	Seat OLeft OCenter ORight OUnknown Row: 1	O None O Minor O Serious O Fatal	Restraint T Available ONone OLap Only @3-point O4-point O5-point OUnknown Available ONone OLap Only @3-point O4-point	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 4-point O 5-point	Provided Section Provided Provided Section Provided Section Provided Provided Section Provided	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Name and Address First Name: James Middle Initial: Last Name: Cooper OCrew First Name: Stephen Middle Initial: Last Name: Standage	City: Midland State: TX	IP: 79701 O Other IP: 79701 O Other	Seat OLeft OCenter ORight OUnknown Row: 1 OLeft OCenter ORight OUnknown Row: 2	None OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal	Restraint T Available O None O Lap Only @ 3-point O 4-point O Unknown Available O None O Lap Only @ 3-point O 4-point O 4-point O 5-point	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown O 5-point O 4-point O 5-point O 5-point O 5-point O 5-point	Not Installed Installed Installed Not Deployed Deployed Unknown Not Installed Installed Installed Installed Deployed Deployed Deployed	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown

FLIGHT ITINERARY	INFORMATION	1						
Last Departure Point		e of Departure	Destinatio	0		Type Fligh	t Plan Filed	
Airport ID:						None	O VFR/IFR	
City:	Time	1030				O Company		
State:		Zone: CST	State:			O Military O VFR	VFR O Unknown	
	- 1					-	OYes ONo OUnknown	
Country:			Country.					
	Special VFR	<i>appiy)</i> ☐ Speci	ial IFR		☐ VFR Flight Foll	lowing	☐ Cruise	
] IFR	□ VFR			☐ Traffic Advisor	у	Unknown / NA	
Airspace where the accider	nt/incident occurred	(Check all that a	pply)				Altitude of In-Flight	
☐ Class A ☐ Class G ☐ Military Operations Are ☐ Class B ☐ Demo Area ☐ Airport Advisory Area					Special		Occurrence:	
	Demo Area Warning Area	☐ Airpo	ort Advisory Ai raining Area	rea	☐ Air Traffic Cont ☐ Unknown	trol Area	6000 ft msl	
	Prohibited Area	TRS			Chknown		tt ilisi	
	Restricted Area	☐ FAR	93					
WEATHER INFORM	ATION AT THE	ACCIDENT	/INCIDEN	T SITE				
Source of Pilot Weather In	formation			Weather Ob	servation Facilit	у		
(Check all that apply)	5.0			Facility ID: K	MRF			
☑ National Weather Service ☐ Flight Service Station	□ Con			Observation T	ime: 0930			
TV/Radio	Inter				ST			
☐ Automated Report	☐ Non				Accident Site: 24			
☐ Commercial Weather Servic ☐ On-Board Weather	ce (DUATS) Unk	nown			Accident Site: 16			
Basic Conditions		Light Condition		Direction from	Accident alte: 10		degrees true	
O VMC		ODawn	ODusk	ODe	k Night Ol	Jnknown		
OIMC		@Day	ONight	_	ght Night	Jikilowii		
OUnknown		0	O. High	O	B			
Sky/Lowest Cloud Conditi	ion	Ceiling			Temperatur	e: 20	_(C) or(F)	
⊙ Clear	None (Clear) Obscured			27.7				
O Few	O Thin Overcast	O Broken	O Broken O Indefinite			Dew Point:(C) or(F)		
O Partial Obscuration O Scattered	OUnknown	O Overcast	O Overcast O Unknown			Altimeter Setting:in. Hg		
Lowest Cloud Condition I	Height	Ceiling Height				or	MB	
	ft agl	Cump morgan	•	ft agl				
Nils A Discoules	W-161		W-16		Violbilla			
Wind Direction	Wind Speed		Wind Gust		Visibility	10	miles	
☐ Variable	☐ Calm ☐ Light and Vari	abla	■ Not Gust	ing	R\	VR:	feet	
-or-	-or-	able	-or-		R	VV:	miles	
Direction: 180 degrees tru		kts	Speed: 15	kts	Density Alti	8 A	ft	
Intensity of Precipitation		tation (Check all t					(Check all that apply)	
OLight	☑ None	Drizzle	□ Freezi	ne Rain	☑ None		□ Fog	
O Moderate	Rain	lce Pellets	☐ Snow		Blowing		Ground Fog	
OHeavy	☐ Snow	☐ Snow Pellet	s 🔲 lce Pe	llets Shower	Blowing		Haze	
⊙ N/A	Hail	Snow Grain		ing Drizzle	☐ Blowing ☐ Blowing	Snow	□ Ice Fog □ Smoke	
OUnknown	☐ Rain Showers	☐ Ice Crystals			Dust		Unknown	
Icing Forecast		Icing Actual			Turbulence			
Amount Type		Amount	Type		Type (Chec	ck all that app	(y) Severity	
⊙ None ⊙ N/A		⊚ None	⊙ N/A		None	ше	□ Light	
O Trace O Rime O Light O Clear		O Trace O Light	O Rin O Cle		Clear Ai		☐ Moderate ☐ Severe	
O Moderate O Mixe		O Moderate	O Mi		-	ive Turbulenc		
O Severe O Unkn	-	O Severe		known			_	
OUnknown		OUnknown			1			
NOTAMs (D and FDC).	AIRMET SIG	METS PIDED	s in effect o	t the time of	the accident/i	ncident:		
N/A	,		a m chect a	the time of	the accidentin	uciuciii.		

DAMAGE	TO AIRCRAFT AI	ND OTHER PRO	PERTY	ALC: YOU WANTED	
Aircraft Dama		Aircraft Fire		Aircraft Explosion	
O None	Substantial Subst	⊙ None	O Both Ground and In-Flight	⊙ None	O Both Ground and In-Flight
O Minor	O Destroyed O Unknown	O In-Flight O On-Ground	O Fire at Unknown Time O Unknown	O In-Flight O On-Ground	O Explosion at Unknown Time O Unknown
Description of	Damage to Aircraft a	nd Other Property	Use additional sheet if necessary)	2 22	
Aircraft touche	ed down and rolled on	to its left side. Taill	boom seperated. Main rotor blade	es destroyed.	
NADDATIVE	HISTORY OF FLI	CHT (Disease to the sec	and at la lab		
			circumstances leading to and nat	ure of accident/incide	nt Describe terrain and include
wreckage dist		ent. Attach extra sheet	s if needed. State departure time and		
		eparted the Buffalo T	rail Scout Ranch (BTSR) in a Ro	binson R44 under P	art 91.
Pilot certificati Tail Number:					
		s out of the South, u	inlimited visibility, no ceiling.		
I was flying no	orth of the McDonald	Observatory with 2 p	assengers seeing the local sight	s.	
At around 110 with wildlife. T	00 am I flew north to re The aircraft caught a d	eturn to BTSR. I des lown draft from the o	cended down to approx 50 feet Apposing ridge and force me to the	AGL along the ridge leground.	ine to view an area of interest
I initially tried	to fly out of the rate of	f decent towards the	low ground but did not have the	power or airspeed to	arrest of decent.
The aircraft lo	w rotor warning went	off and the aircraft o	ontacted the ground and rolled o	n to its left side after	striking a rock.
	ofter rolling over the ai ut of the aircraft.	rcraft began to tear	it self apart. I performed the eme	rgency shut down pr	ocedure and egress the
The front seal	passenger had cuts	on his face and com	plained of pain in his neck and b	ack.	
The back sea	t passenger was able	to assist in the med	ical triage with no injuries. I was	uninjured.	

RECOMMENDATION (How	could this	accident/incident ha	ave been pre	vented?)			
Operator/Owner Safety Recomm	endation						
I will increase my training in th	e following	areas prior to oper	ating in that	type of	area.		
- Flying within the mountains,	analyzing te	errain with wind cor	nditions that	will caus	se up and dow	n drafts.	
- Low rotor recovery emergen	cy procedur	e training.					
MECHANICAL MALFU	NCTION/	AILURE (If mor	re space is n	eeded, co	ontinue on sepa	rate sheet)	
Was there Mechanical Malfund (If yes, list the name of the part, man			scribe the failu	re.)			Total Time/Cycles On Part
							Hours
							Cycles
							Time Since This Don't
							Time Since This Part Inspected/Overhauled
							1 A*
							Hours
FUEL & SERVICES INF	ODMATI	ON					
Fuel on Board at Last Takeoff	URMATI	Fuel Type					
(Convert from pounds, as necessary)		O 80/87	O 115/145		O Jet B	O Other, specify	
20	Gallons	100 Low Lead 100/130	O Jet A O Jet A-1		O JP8 O Automotive		
Other Services, if Any, Prior to	Departure	0 100/130	O Jel A-1		O Automotive		
	• 107						
EVACUATION OF AIRC	DAFT						
EVACUATION OF AIRC							
Was an emergency evacuation		•	☑ Yes	□ No			
Method of Exit - Describe how		s exited and how ma	iny occupants	evacuate	ed each location		
We all exited through the wind	iscreen.						
OTHER AIRCRAFT - C	OLLISIO	(If air or ground	collision occ	urred, co	mplete this sect	tion for other aircraf	t)
Aircraft Registration Number	Manufacti	ırer:					age to Other Aircraft
	596.54					□ D	estroyed Minor ubstantial None
Registered Owner of Other Air	craft			Pilot of	Other Aircraft		
Name:				Name:			
City: ZIP:				City: _		ZIP:	
State:ZIP: _				State: Country		_ZIP:	

ADDITIONAL INF	OPMATIC	N (Please type or print in ink)	Section 1 section 1 section 1	The second section of the second
Use this space if addi	tional space	is needed for any answers.		
94				
I HERERY CERTIE	Y THAT TH	E ABOVE INFORMATION IS COMPLE	TE AND ACCURATE TO	THE BEST OF MY KNOWLEDGE
Date of this Report	Name of I	Pilot/Operator: Aaron Kellum		
11/22/2021	Signature	:		
mm/dd/yyyy	or	Check here to electronically sign this of	locument	
If a Person Other the	an Pilot/On	erator is Filing Report		
And the second second			That	
0.9730				
or 🔲 C	heck here to	electronically sign this document		
VEGETAL SEE PART OF		FOR NTSB	ISE ONLY	
NTSB Accident/Inci	dent No.	Reviewed by NTSB Regional Office	Name of Investigator	Date Report Received
CEN22LA034		Central	S Williams	11/23/2021