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

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

BASIC INFORMA	TION												
Accident/Incident Loca	tion					D	ate/Time						
Nearest City/Place: Bapchule State: Az						Date: 10/05/2012 Local Time; 2:15pm							
ZIP: 85121 Country: USA					mm/dd/yyyy Time Zone: MST								
Latitude: 33 08 11 (c		gitude: 11	1 52 30	_ (ddd	:mm:ss E/W)				Tim	e Zone: [VI	51		
Phase of Operation						C	Collision with C	Other Airc	raft	Altitude o	of In-Flight		
☐ Standing ☐ Takeoff	(incl. initial climb)				lover		Midair Midair			Occurren	ice		
☐ Taxi ☐ Climb ☐ Descent ☐ Landing		☐ Man	euvering roach		Other Jnknown		On-ground None				4,000	ft MSL	
AIRCRAFT INFOR	RMATION												
Manufacturer: Piper							Max Gross V	Veight:		2,440 lbs			
Model: PA28-161							Weight at Ti					15 lbs	
Serial Number: 28-801	6121						Location of C						
Registration Number:	V8115Q		Amateur-l	built:	☐ Yes 🗹 N	ю					or 🛮 datu		
					1		-or-				ynamic Cord		
Category of Aircraft	Type of Airwor		Certificate		Number of	Se	ats:	4		ig Gear	Retrac		
☑ Airplane ☐ Balloon	Standard	<i>piy)</i> Spec	inl		If I arge Airc	raft	, how many seats	for			nal landing ge	ear	
☐ Blimp/Dirigible	☑ Normal	-	estricted		W Emborence	····	, non many seas	101.	_	ration that			
☐ Glider ☐ Gyrocraft	Utility	☐ Li	mited		Flight C	rew	:		☑ Tricycle ☐ Tailwheel			ailwheel	
Helicopter	Acrobatic		ovisional		Cabin Ci	Cabin Crew:				Amphibian High Skid			
☐ Powered lift	☐ Transport		perimental pecial Flight		Passenge	ers:			☐ Emergency Float ☐ Skid ☐ Float ☐ Ski				
Ultralight			ght Sport						Hu			ci/Wheel	
Unknown									Un	known			
Type of Maintenance Program La				Last Inspection Type						08/29/2012			
			□ 100 He	our			us Airworthiness			mm/dd/yyyy			
Manufacturer's Inspection	n Program						nal Inspection		T-4-1 Ti 3 931 L				
Other Approved Inspection	on Program (AAIP)	١	Annual Unknow			"	Annamero			e Total Time: 3,931 hrs measured at (check one)			
☐ Continuous Airworthines☐ Other, specify:										•	•	ent/Incident	
IFR Equipped			Stall Wa	arning System Installed			☐ Last Inspection ☐ Time of Accident/Incident Type of Fire Extinguishing System						
✓ Yes ☐ No ☐ Unkı	nown		3	☑ Yes ☐ No ☐ Unknow			1 * "			Extinguishing System			
			MI 162 FIND FIGURION			-WII							
								·					
	LT Activated		ELT Ma	LT Manufacturer: Narco									
Yes No	Yes 🛭 No		Model/S	Model/Series: ELT-10									
ELT Aided in Locating	Accident/Incider	nt	Serial N	umbe	r: unknown								
Yes No				Гуре:	BP-1010				Batter	y Exp. Da	ite: <u>11/201</u>	3	
Engine Type	Rec	iprocatin	g Fuel	Pr	opeller								
Reciprocating Tur	DO 3CC	tem Type Carburetor	;	1_			1	turer: Ser	einich				
☐ Turbo Shaft ☐ Tur ☐ Turbo Prop ☐ Unl	·	Tuel Injecte	ed		Fixed Pitch Controllable P	Pitcl		rurer: <u>001</u> 74DM6-0-					
							· Model: _	1		1			
			ł					Engine Ra			Time	Time	
							Date	as (check	one)	Total	Since	Since	
Engine Engine Manufact	Engine				ıfacturer's		of Mfg.		power or			Overbaul	
Engine Engine Manufacte Eng. 1 Lycoming	O-320 D	/Series	<u> </u> ,	Serial -9407-	l Number		mm/dd/yyyy 10/04/1979	☐ lbs of	Thrust 160	(hours) 3,931	(hours) 61	(hours) 2,027	
Eng. 2	0-020 0				-		10,0411979		100	3,931	01	2,721	
Eng. 3							+						
Eng. 4							<u> </u>	<u> </u>		<u> </u>			
							1				i		

OWNER/OPERATOR INFORM	MATION						
Registered Aircraft Owner	Owner A	Owner Address					
Name: Chandler Air Service Inc.	City: Cha	andler					
Fractional Ownership Aircraft: Yes	State: Az Country:	State: Az ZIP: 85286 Country: USA					
Operator of Aircraft	Operator	Operator Address Same As Registered Owner					
Name:		City:					
Doing Business As:		State:	ZIP:				
Air Carrier/Operator Designator (4 Chara	acter Code):	1					
Regulation Flight Conducted Under		Revenue	Revenue Sightseeing Flight				
FAR 91	ect type) State	☐ Yes					
Purpose of Flight for FAR 91, 103, 133, 137 (Select one)	Revenue Operation for FAR 121, 125, 129, 135		Commercial Operating Certificate Held				
Personal Business Executive/Corporate Other Work Use Instructional Ferry Positioning Aerial Application	☐ Scheduled or Commuter ☐ Non-Scheduled or Air Taxi Domestic or International ☐ Domestic ☐ Internation	□ None □ Flag Cal □ Supplen □ Air Carg □ Foreign □ Commu □ On-Den	rrier Operating Certificate (121) nental				
Aerial Observation	Cargo Operation		aft External Load (133)				
☐ Air Drop ☐ Air Race / Show	Passenger/Cargo PassengerH	- or -	• •				
☐ Flight Test	Cargolbs		tural Aircraft (137)				
☐ Public Use ☐ Unknown	Mail	☐ Other O	Other Operator of Large Aircraft				
	YOU was a second						
OTHER AIRCRAFT - COLLIS		urrea, complete this section					
Aircraft Registration Number Manuf	facturer: Piper : PA28R-201		Damage to Other Aircraft ☐ Destroyed ☐ Minor ☐ Substantial ☐ None				
Registered Owner of Other Aircraft			1				
First Name:		City:					
Middle Initial:		City: ZIP	•				
Last Name:		Country:					
Pilot of Other Aircraft		City					
First Name: Middle Initial:	***************************************	City: ZIP					
Last Name:		Country:					
MECHANICAL MALFUNCTIO	N/FAILURE (If more space is ne	eded, continue on separate	sheet)				
Was there Mechanical Malfunction/Fai			Total Time/Cycles				
(If yes, list the name of the part, manufacturer,			On Part				
			Hours				
			Cycles				
			Time Since This Part Inspected/Overhauled				
			Hours				
DAMAGE TO AIRCRAFT AND	OTHER PROPERTY		1				
	ircraft Fire	Aircraft Ex	xplosion				
☐ None ☐ Substantial ☐ Minor ☐ Destroyed ☐	None ☐ Both Ground and In-Flight ☐ Unknown Origin On-Ground	In-Flight 🗹 None	☐ Both Ground and In-Flight ☐ Unknown Origin				

Description of Damage to Aircraft and C The inflight collision resulted in loss of the rig aircraft. The right wing was also displaced, re	ht wing section just outbo	pard of the aile	eron push-rod. The :	ection of the to the fusela	right wing co ge. This renda	mpletely separated from the ered the flaps unuseable.
ALDDODT INFORMATION						
AIRPORT INFORMATION (If the						
Airport Identifier:		_	Distance From			
Airport Name: Proximity to Airport Off Airport/Airst	-i- Con Airmort Co	On Airctein	Airport Elevation			degrees MAG ft. MSL
Approach Segment (Select one)	пр Попупров П	Ол Анзигр	Airport Eicvain	/N:		II. WoL
☐ On Instrument Approach ☐ Landin☐ Crosswind ☐ Down		e leg v Approach	☐ Fina ☐ Abo		after touchdow	Go Around
IFR Approach (Check all that apply)	☐ MLS ☐ LDA ☐ ASR ☐	Practice GPS Loran Unknown	VFR Approach None Traffic Pattern Straight-In U Valley/Terrain F Go Around Full Stop	(Check all tha	St St To Si Fo Pr	op and Go ouch and Go mulated Forced Landing orced Landing ecautionary Landing nknown
Runway Information					g Surface	(Check all that apply)
Runway ID:(L/R/C) Length:	ft Width:	ft	☐ Dry ☐ Holes	☐ Snow-	-Compacted	☐ Water-Calm ☐ Water-Choppy
Runway/Landing Surface (Check all that of Asphalt Grass/Turf Mace Concrete Gravel Meta Dirt Ice Snow	adam ☐ Water nl/Wood ☐ Unknown v	l	☐ Rough ☐ Rubber Deposits ☐ Slush Covered	☐ Snow- ☐ Snow-	-Dry -Wet	☐ Water-Choppy ☐ Water-Glassy ☐ Wet ☐ Unknown
FLIGHT ITINERARY INFORMA	.,	r				
Last Departure Point Airport ID: KCHD City: Chandler State: Az Country: USA	Time of Departure Time: 1:30pm Time Zone: MST	Destination Airport ID: L City: Chance State: Az Country: US	(CHD bler	-	Type Flight ☑ None ☐ Company ☐ Military V ☐ VFR Activated?	/FR Unknown
Type of ATC Clearance/Service (Check at I None Special VFR	☐ Specia	al IFR	□VFR	Flight Followi	ng	Cruise
☐ VFR ☐ IFR Airspace where the accident/incident occ	VFR C		∐ Han	c Advisory		Unknown / NA
□ Class A □ Class E □ Class B □ Class G □ Class C □ Demo Area □ Class D □ Warning Area	☐ Proh ☐ Resti ☐ Milit ☐ Airp	nibited Area tricted Area trary Operations port Advisory A	Area (MOA)	Jet Training TRSA FAR 93	Area	☐ Special ☐ Air Traffic Control Area ☐ Unknown
Aircraft Load Description (Check all that	r ☐ Parae er ☐ Wate I ☐ Cher	ichutists er mical/Fertilizer/	Ē	Livestock Unknown		
FUEL & SERVICES INFORMAT	ION					
Fuel on Board at Last Takeoff (convert from pounds, as necessary) 34 Gallons	100 Low Lead	☐ 115/145 ☐ Jet A ☐ Automotive	☐ JP3 ☐ JP4 ☐ JP5	☐ Othe	er, specify	.
Other Services, if Any, Prior to Departur	e					

EVACUATION OF AIR	RCRAFT								
Was an emergency evacuation	on of the aircraft	performe	đ?	☐ Yes	No				
Method of Exit - Describe ho	w the occupants e	xited and l	iow m	any occupants ev	acuated each	loca	tion		
WEATHER INFORMA	TION AT THE	ACCIL	DENT	/INCIDENT	SITE				
Weather Observation Facilit	у			ce of Weather In	nformation			Method of Briefing	
Facility ID: KCHD		_	-	ck all that apply) ational Weather Ser	vice		☐ Company	(Check all that apply) ☐ In Person	
Observation Time: 2:10pm		-	∏Fl	ight Service Station			Military	☐ Teletype	
Time Zone: MST	4F .	_		V/Radio utomated Report			☐ Internet ☐ Unknown	☐ Telephone/Computer☐ Aircraft Radio	
Distance from Accident Site: Direction from Accident Site:			☑ Co	ommercial Weather	Service (DUA'	TS)		☐ TV/Radio ☐ Unknown	
Briefing Type/Completeness		æs WIAG	Ligh	t Condition				Visibility	
☐ Full ☐ Partial / Limited By Pilot ☐ Partial / Limited By Briefer	☐ Full ☐ Abbreviated ☐ Partial / Limited By Pilot ☐ Unknown			awn Du	ısk ght		Dark Night Bright Night Not Reported	30_ miles	
Sky/Lowest Cloud Condition Ceiling Clear Thin Broken Few Thin Overcast Partial Obscuration Unknown Overcast Scattered			n Indefinite			Re	estriction to Visibility None Blowing Dust Blowing Sand Blowing Snow	(Check all that apply) Ground Fog Haze Gree Fog	
Lowest Cloud Condition Hei	ght	Ceiling 1	Height				Blowing Spray	Smoke Unknown	
	ft AGL		ft AGL			☐ Dust ☐ Unknown			
Wind Direction	Wind Speed			Wind Gusts		Ту	pe of Turbulence (C	neck all that apply)	
☐ Indicated:	Velocity:	KTS		Velocity:	KTS		None In Cl Clear Air Vicin	ouds nity of Thunderstorm	
degrees MAG	-or-			Поче		i —	verity of Turbulence	•	
☑ Variable	☐ Calm ☑ Light and Varia	ible	☐ Gusting ☑ Not Gusting			Extreme			
NOTAMs (D, L and FDC)	, AIRMETs, SI	GMETs,	PIR	EPs in effect at	the time of	the	accident/incident		
	T ₁ e	ing Forec	ast			. 1	Type of Precipitati	on (Check all that apply)	
Temperature:(C) or90 (F)		Amoun	ıt		Туре			□ Drizzle	
or i	n. HG	None Trace Light		Moderate Severe	☐ Rime ☐ Clear ☐ Mixed		☐ Rain ☐ Snow ☐ Hail	☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains	
Density Altitude:	F	ing Actua	1			\dashv		☐ Ice Crystals ☐-Ice Pellets Shower	
Dew Point:(C)		Amoun None	it	Moderate	Type ☐ Rime			Freezing Drizzle	
or(F)	[Trace Light	_	Severe	Clear Mixed		Intensity of Precipi ☐ Light ☐ M	tation oderate	

Pilot "A" Responsibilities at t	rion									
		-		los tori.		•	Por	T. 1. a		
	Student Pilot	✓ Flight I	Instructor	Check Pilot	LJ Flight	t Engineer	[] Other	Flight Crew		
Pilot "A" Identification First Name: Curtis				Cit	y: Chanc	ller				
Middle Initial:					te: Az		ZIP: 8528	6		
Last Name: Langenhorst Country: USA										
Age at time of Accident/Incident: 53 Date of Birth: 1958 Certificate Number: 1958 Certificate Number: 1958										
Degree of Injury	Seat Occup	ied		Seat	t Belt			Shoulder I	Tarness	
Mone ☐ Fatal ☐ Unknown	Left Right	☑ Front ☐ Rear	Unknov	1] No	Used	Z Yes	□ No
Serious	Center	Single		Avai	ilable	☑ Yes [] No	Available	Yes	□ No
Pilot Certificate(s) (Check all 1	that apply)									
☐ None ☐ Studer ☐ Private ☐ Flight	nt Instructor	☐ Recre		☐ Commerci ☑ Airline Tr			Flight Engi U.S. Militar		Foreign	
	edical Certific					ificate Va		·	ast Medica]
[7] Pilot □	None [Class 3		□v	Vithout lim	itations/wai	vers	03/26	/2012	
] Driver's Lice] Unknown	ense (Sport Pilot		Vith limitat Jnknown	ions/waiver	S	mm/dd		
								1		
Medical Certificate Limitatio Must wear corrective lenses. Have av		r near and inte	rmediate vision.							
	Siddle Siddle is									
Medical Certificate Waivers										
Medical Certificate Walvers										
							_			
Date of Last Flight Review		Fligh	t Review Airo	eraft						
or Equivalent, Including	09/21/2011	~	t Review Airo	eraft						****
	09/21/2011 mm/dd/yyyy	Make		craft						
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s)	mm/dd/yyyy Other Aircraf	Make Model t Rating(s)	Cessna 1: 180	ent Rating(s)			r Rating(s)			
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply)	mm/dd/yyyy Other Aircraf (Check all that a	Make Model t Rating(s)	Cessna 1: 180 Instrum (Check al			(Check all i		_	Legtermont	Airelana
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land	mm/dd/yyyy Other Aircraf (Check all that a None Airship	Make Model it Rating(s)	Cessna 1: 180 Instrum (Check al	ent Rating(s)		(Check all I	that apply)	V	Instrument A	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea	mm/dd/yyyy Other Aircraf (Check all that a None Airship Free Balloon	Make Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i None Airplan Airplan	that apply) e Single-Eng e Multi-Engi	ine	Instrument I Helicopter	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None Airship Free Balloon Glider Gyroplane	Make Model it Rating(s)	Cessna 180 Instrum (Check al	ent Rating(s) I that apply) une		(Check all i None Airplane	that apply) e Single-Eng e Multi-Engi me	ine	Instrument l	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i None Airpland Airpland Gyropla	that apply) e Single-Eng e Multi-Engi me	ine	Instrument l Helicopter Glider	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None Airship Free Balloon Glider Gyroplane	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i	that apply) e Single-Eng e Multi-Engi une d Lift	ine	Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i	that apply) e Single-Eng e Multi-Engi une d Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i	that apply) e Single-Eng e Multi-Engi une d Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i	that apply) e Single-Eng e Multi-Engi une d Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all i	that apply) e Single-Eng e Multi-Engi une d Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea Type Ratings	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla Helico Power	ent Rating(s) I that apply) une		(Check all a None None I Airpland Gyropland Powered Student F	that apply) e Single-Engi e Multi-Engi une i Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s)	Cessna 180 Instrum (Check al None Z Airpla	ent Rating(s) I that apply) une		(Check all a None None I Airpland Gyropland Powered Student F	that apply) e Single-Eng e Multi-Engi une d Lift	ine [Instrument I Helicopter Glider Sport	Airplane Helicopter Lighter Than Air
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea Type Ratings Flight Time (enter appropriate	mm/dd/yyyy Other Aircraf (Check all that a None	Make: Model it Rating(s) pply)	Cessna 180 Instrum (Check al None None Power Power Power Single	ent Rating(s) It that apply) ane opter red Lift Airplane		(Check all to None None Airpland Gyropla Powered Student E	that apply) e Single-Enge e Multi-Engi ne d Lift Endorsemen	ine	Instrument I Helicopter Glider Sport	Helicopter
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea Type Ratings Flight Time (enter appropriate number of hours in each box)	mm/dd/yyyy Other Aircraf (Check all that a	Make: Model t Rating(s) pply) This Make & Model	Airplane Single Engine 180 Instrum (Check al None Power Airplane Single Engine 14,199 14,000	ent Rating(s) Ithat apply) ane opter ed Lift Airplane Multiengine	Night	(Check all to None None Airpland Gyropla Powered Student E	that apply) e Single-Enge e Multi-Engi ne d Lift Endorsemen ument Simulated	ne	Instrument I Helicopter Glider Sport Glides Glider 1 0	Lighter Than Air 0
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea Type Ratings Flight Time (enter appropriate number of hours in each box) Total Time	mm/dd/yyyy Other Aircraf (Check all that a [7] None Airship Free Balloon Glider Gyroplane Helicopter Powered Lift Aircraft 15,986	Make: Model t Rating(s) pply) This Make & Model 4,700	Airplane Single Engine 180 Instrum (Check al None Power Airplane Single Engine 14,199	ent Rating(s) Il that apply) une opter red Lift Airplane Multiengine 1,782	Night 284 281 230	Check all a None None Airplane Gyropla Powered Student F	e Single-Engi e Multi-Engi ine i Lift Indorsement Simulated 180 135	Rotorcraft 1 0	Instrument I Helicopter Glider Sport dates) Glider	Lighter Than Air
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea Type Ratings Flight Time (enter appropriate number of hours in each box) Total Time Pilot in Command (PIC) Time as Instructor This Make/Model	mm/dd/yyyy Other Aircraf (Check all that a [] None	This Make & Model 4,700 4,650	Airplane Single Engine 14,000 12,730	Airplane Multiengine 1,782 1,700	Night 284 281 230 150	Check all a None None Airplane Gyropla Powered Student F	e Single-Engie Multi-Engine de Multi-Engine de Lift Condorsement Simulated 180 135 135	Rotorcraft 1 0	Instrument I Helicopter Glider Sport Glider 1 0	Lighter Thau Air 0 0
or Equivalent, Including FAR 121/135 Checks: Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Sea Multiengine Sea Type Ratings Flight Time (enter appropriate number of hours in each box) Total Time Pilot in Command (PIC) Time as Instructor	mm/dd/yyyy Other Aircraf (Check all that a [7] None	This Make & Model 4,700 4,650	Airplane Single Engine 180 Instrum (Check al None Power Airplane Single Engine 14,199 14,000	ent Rating(s) It ihat apply) une upter red Lift Airplane Multiengine 1,782 1,767	Night 284 281 230	Check all to None None Airplant Gyropla Powered Student F Linste Actual 50 40 15	e Single-Engi e Multi-Engi ine i Lift Indorsement Simulated 180 135	Rotorcraft 1 0	Instrument I Helicopter Glider Sport Glides Glider 1 0	Lighter Than Air 0

PILOT "B" INFORMATION										
Pilot "B" Responsibilities a ☑ Pilot ☐ Co-Pilot	t the Time of Ac	ccident/Incid		Check Pilot	☐ Flight	t Engineer	Other	Flight Crew		
Pilot "B" Identification										
First Name: Gabrielle Middle Initial: F Last Name: Palmas				Sta	y: <u>Chanc</u> te: <u>Az</u> untry: <u>U</u> \$	2	ZIP: <u>8522</u> 6	5		######################################
Age at time of Accident/Incident: 25 Date of Birth: 1987 Certificate Number: 1987 Certificate Number: 1987										
Degree of Injury ☑ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious	Seat Occupie	d Front Rear Single	☐ Unknowi	n Used			□ No □ No	Shoulder I Used Available	Harness ☑ Yes ☑ Yes	□ No □ No
Pilot Certificate(s) (Check al	l that apply)						•			
None Student Recreational Commercial Flight Engineer Foreign Private Flight Instructor Sport Airline Transport U.S. Military										
Pilot		Class 3	ense (Sport Pilot	ZIv	lical Cert Vithout limi Vith limitat	itations/wai	ivers	Date of L 06/30/2	ast Medica	
<u>8-1</u> Onles		Unknown	······································		Jnknown	ions waryer		mm/dd/	ייייעע <i>'</i>	
Medical Certificate Limitations Medical Certificate Waivers										
Date of Last Flight Review or Equivalent, Including			t Review Airo	craft						
FAR 121/135 Checks:	06/02/2011 mm/dd/yyyy	1	: <u>Piper</u> I: <u>PA44-180</u>							
Airplane Rating(s) (Check all that apply) None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	Other Aircraf (Check all that a) None Airship Free Balloon Glider Gyroplane Helicopter Powered Lift	pply)		pter		Check all th None Airplane	Single-Engir Multi-Engine	ne 🔲 e 🔲	Instrument A Instrument H Helicopter Glider Sport	irplane elicopter
Type Ratings Student Endorsements (Include dates)										
Flight Time (enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Inst Actual	rument Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time	179	80	173	7	11	0	8	0	0	0
Pilot in Command (PIC)	75	50	73	2	4	0	!	0	0	0
Time as Instructor	0	0	0	0	0	0		0	0	0
This Make/Model					0	0				
Last 90 Days	10	7	10	0	0	0		0	0	0
Last 30 Days	5	5	5	0	0	0	0	0	0	0

ADDITIONAL FLIGHT CRI	EW MEMBERS	(Exclusive of cabin a	ttendants, complete the	following in	formati	ion)		
Pilot Name and Address						Degree of I		
First Name:		City:				☐ None ☐ Minor	☐ Fatal ☐ Unknown	
Middle Initial: Last Name:		State:	ZIP;			Serious	L. Uliknown	
	·	Country:					• .	
Pilot Certificate(s) (Check all tha ☐ None ☐ Student	t apply) Recreational	Commencial	The Estate Engineer	□ Paraio		Seat Occup	Front	
☐ None ☐ Student ☐ Private ☐ Flight Instructor		☐ Commercial ☐ Airline Transport	☐ Flight Engineer ☐ U.S. Military	☐ Foreigi	,	☐ Left ☐ Right	☐ Front ☐ Rear	
Type Rating/Endorsement for		Total Flight T	ime at the Time			Center	Single	
Accident/Incident Aircraft?	☐ Yes ☐ No	of this Acciden	nt/Incident:	hrs			Unknown	
Pilot Name and Address	Committee of the Commit					Degree of I	njury	
First Name:		Cîty:				None	☐ Fatal	
Middle Initial:		State:	ZIP:	- 		☐ Minor ☐ Serious	Unknown	
Last Name:		Country:						
Pilot Certificate(s) (Check all that						Seat Occup		
☐ None ☐ Student ☐ Private ☐ Flight Instructor	Recreational Sport	☐ Commercial ☐ Airline Transport	☐ Flight Engineer ☐ U.S. Military	☐ Foreigr	t	☐ Left ☐ Right	☐ Front ☐ Rear	
Type Rating/Endorsement for		Total Flight Ti	ime at the Time			Center	Single Unknown	
Accident/Incident Aircraft?	☐ Yes ☐ No	of this Acciden	nt/Incident:	hrs				
Pilot Name and Address						Degree of I	njury	
First Name:		City:				None	Fatal	
Middle Initial:		State:	ZIP:			☐ Minor ☐ Serious	Unknown	
Last Name:		Country:						
Pilot Certificate(s) (Check all that		—	—			Seat Occup		
☐ None ☐ Student ☐ Private ☐ Flight Instructor	☐ Recreational ☐ Sport	☐ Commercial ☐ Airline Transport	☐ Flight Engineer ☐ U.S. Military	Foreign		☐ Left ☐ Right	☐ Front ☐ Rear	
Type Rating/Endorsement for	Пъроп		ime at the Time			Center	Single	
Accident/Incident Aircraft?	☐ Yes ☐ No	of this Acciden	t/Incident:	hrs			Unknown	
PASSENGER(S) / OTHER	PERSONNEL	(Include flight attenda	nts: continue on separa	te sheet if ne	cessar	v)		
PASSENGER(S) / OTHER	PERSONNEL	i (Include flight attenda	nts; continue on separa	te sheet if ne			ייט אים	
PASSENGER(S) / OTHER	PERSONNEL	i (Include flight attenda	nts; continue on separa				tal rious mor mor inry Injury	
PASSENGER(S) / OTHER Name and Address	PERSONNEL	(Include flight attenda	nts; continue on separa	te sheet if ne		Revenue (K. Non-Occupant FAA	Fatal Serious Injury Minor Injury No Injury Unknown	
Name and Address First Name:		City:			Crew Non-	Revenue Revenue Non- Occupant FAA		
Name and Address First Name: Middle Initial;		City: State:			Crew Non-			
Name and Address First Name: Middle Initial; Last Name:		City:State:Country:	ZIP:		Crew Non-	Revenue Revenue Non- Occupant FAA		
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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 time and point of departure, intended destination, and services obtained.
Statement on accident dated 10-05-2012
On Oct. 5, 2012 at approximately 1:30pm, I departed KCHD on a dual instructional flight with Gabrielle Palmas in Warrior N8115Q. The purpose of the flight was to conduct a Stage I check for an Instrument training course, with a return to KCHD. We departed on a simulated Instrument clearance using time, headings, and altitudes, and proceeded to the south practice area. The majority of our flight was conducted over what is referred to as the Green Fields, both West and East of I-10. She performed all of the maneuvers required on the lesson, and at approximately 2:15pm I simulated another clearance to fly heading 040, maintain 4000 feet, and to advise when she had Chandler ATIS. She switched from the South practice area frequency to Chandler ATIS and proceeded to fly the clearance. Moments later I saw an aircraft slightly higher, appearing to be in a slight left bank and almost head on. I took the controls and pushed very hard while rolling hard to the left, felt the impact and rolled wings level. I knew we had collided, I looked back behind me and could see the other aircraft in level flight, same allitude, he appeared to be in control. Prior to impact, I never saw the other aircraft make any abrupt pitch or roll inputs so I don't know if he ever saw us. I turned towards Memorial airport intending to land there. I called Chandler tower, reported that I had experienced a mid-air collision and declared an emergency. I informed them that I did not know the status of the other aircraft. We continued to Memorial airport, the aircraft was controllable with left aileron and heavy left rudder. I slowed the aircraft down and descended to Memorial. I was not sure of the condition of the landing gear, so on short final I closed the mixture, shut off all electrical and asked Gabrielle to turn the fuel selector to the off position. The flaps were unuseable, we landed without further incident.
RECOMMENDATION (How could this accident/incident have been prevented?)
Operator/Owner Safety Recommendation

77-744				
ADDITIONAL II	NFORMA	ATION (Please type or print in ink)		
		is needed for any answers.		
I HEREBY CERTIF	Y THAT TH	IE ABOVE INFORMATION IS COMPLE	ETE AND ACCURATE TO THE BEST OF	MY KNOWLEDGE
Date of this Report	Signature	and Name of Pilot/Operator/		
10/12/2012	Signature:			
mm/dd/yyyy	Type or Pri	nt Name: Curtis E, Langenhorst		
		Filing Report if Other than Pilot/Operato	P	
=			1	
Title:				
		FOR NTSB I		•
NTSB Accident/Incid WPR13LA004	ient No.	Reviewed by NTSB Regional Office WPR- Aviation	Name of Investigator	Date Report Received 10/12/2012