



F-22

Raptor
Demo
Team

**MEDIA
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F-22 Demonstration Team Fact Sheet

Mission

The F-22 Raptor Demonstration Team performs precision aerial maneuvers at airshows across the world to demonstrate the unique capabilities of the world's premier 5th generation fighter aircraft. The team also performs with the Air Force Heritage Flight Foundation to showcase modern day fighter jets flying in formation with World War II, Korean, and Vietnam era aircraft.

Background

The F-22 Raptor Demonstration Team is stationed at Joint Base Langley-Eustis in Hampton, Virginia. In March 2007, the team participated in its debut air show at Tyndall Air Force Base. Since then, the team has performed more than 250 demonstrations across the world.

Prior to 2016, the team consisted of the pilot, safety officer, superintendent, team chief, multiple crew chiefs, and avionics specialists. Now, the team has 13 total members to include public affairs and aircrew flight equipment technicians. Together, the team visits local schools, hospitals, and participates in various community events in addition to performing aerial demonstrations.





F-22 Raptor Fact Sheet

Mission

The F-22 Raptor is the Air Force's premier 5th generation fighter aircraft. Its combination of stealth, supercruise, extreme maneuverability, and integrated avionics represents an exponential leap in warfighting capabilities. The Raptor performs both air-to-air and air-to-ground missions that are vital to the 21st century Air Force.

The F-22, a critical component of the Global Strike Task Force, is designed to rapidly project air dominance at great distances while defeating threats attempting to deny access to our nation's Air Force, Army, Navy and Marine Corps. The F-22 cannot be matched by any known or projected fighter aircraft.



Features

A combination of sensor capability, integrated avionics, situational awareness, and advanced weaponry provides a first-look, first-kill opportunity against all enemies. The F-22 possesses a sophisticated sensor suite allowing the pilot to track, identify, shoot, and kill air-to-air threats before being detected. Significant advances in cockpit design and sensor fusion improve the pilot's situational awareness. In the air-to-air configuration, the F-22 Raptor carries six AIM-120 AMRAAMs and two AIM-9 Sidewinders.

The F-22 has an advanced capability of attacking surface targets as well. In the air-to-ground configuration, the aircraft can carry two 1,000-pound GBU-32 Joint Direct Attack Munitions internally and will use on-board avionics for navigation and weapons delivery support. Advances in low-observable technologies provide improved survivability and lethality against air-to-air and surface-to-air threats. The F-22 brings sophisticated stealth technology to the fight as well, allowing it to protect itself and stay virtually undetected from enemy radar.

The dual F-22 engines produce more thrust than any current fighter engine. The combination of sleek aerodynamic design and increased thrust allows the F-22 to cruise at supersonic airspeeds (greater than 1.5 Mach) without using afterburner – a characteristic known as supercruise. Supercruise greatly expands the F-22's operating envelope in both speed and range over other operational fighter aircraft who must use fuel-consuming afterburner to operate at supersonic speeds.

The sophisticated F-22 aero design, advanced flight controls, thrust vectoring, and high thrust-to-weight ratio provide the capability to outmaneuver all other current and projected aircraft. The F-22's design has been extensively tested and refined during the development process to produce a truly one-of-a-kind fighter aircraft.

The F-22's characteristics ensure its unmatched lethality against all advanced air threats. The combination of stealth, integrated avionics, and supercruise drastically shrink surface-to-air missile engagement envelopes and minimizes enemy capabilities to track and engage the F-22. The combination of reduced observability and supercruise accentuates the element of surprise in a tactical environment, one of the Raptor's most lethal characteristics.

The F-22 has better reliability and maintainability than any other fighter aircraft in history. This results in less manpower required to fix the aircraft, allowing the jet to operate more efficiently.



Background

The Advanced Tactical Fighter Program entered the Demonstration and Validation phase in 1986. Two prototype aircraft (YF-22 and YF-23) both completed their first flights in late 1990, competing against each other to be selected as the future 5th generation stealth fighter. Ultimately, the YF-22 was selected as the best of the two, and the engineering and manufacturing development effort began in 1991. Contracts were awarded to Lockheed Martin and Boeing (airframe) and Pratt & Whitney (engines). The Engineering & Manufacturing Development included extensive systems and flight that took place at Edwards Air Force Base, California.

The program received approval to enter low rate initial production in 2001. The Air Force Operational Test and Evaluation Center completed its assessment in 2004. The program received approval for full rate production in 2005. Air Education and Training Command, Air Combat Command, and Pacific Air Forces are the primary Air Force organizations flying the F-22. The F-22 cannot be exported to other countries under American federal law in order to protect its stealth technology and other high-tech features.

General Characteristics

- **Primary Function:** Air dominance, multi-role fighter
- **Contractor:** Lockheed-Martin, Boeing
- **Engines:** Two Pratt & Whitney F119-PW-100 turbofan engines with afterburners and two-dimensional thrust vectoring nozzles.
- **Thrust:** 35,000-pound class (each engine)
- **Wingspan:** 44 feet, 6 inches (13.6 meters)
- **Length:** 62 feet, 1 inch (18.9 meters)
- **Height:** 16 feet, 8 inches (5.1 meters)
- **Weight:** 43,340 pounds (19,700 kilograms)
- **Maximum Takeoff Weight:** 83,500 pounds (38,000 kilograms)
- **Fuel Capacity:** Internal: 18,000 pounds (8,200 kilograms); with 2 external wing fuel tanks: 26,000 pounds (11,900 kilograms)
- **Payload:** Same as armament air-to-air or air-to-ground loadouts; with or without 2 external wing fuel tanks.
- **Speed:** Mach 2 with super-cruise capability
- **Range:** More than 1,850 miles with 2 external wing fuel tanks
- **G-Limit:** +9 Gs
- **Ceiling:** 60,000 ft
- **Armament:** One M61A2 20-millimeter cannon with 480 rounds, internal side weapon bays carriage of two AIM-9 infrared (heat seeking) air-to-air missiles and internal main weapon bays carriage of six AIM-120 radar-guided air-to-air missiles (air-to-air loadout) or two 1,000-pound GBU-32 JDAMs and two AIM-120 radar-guided air-to-air missiles (air-to-ground loadout)
- **Unit Cost:** \$140 million





The 1st Fighter Wing

The 1st Fighter Wing operates and maintains the F-22 Raptor. To accomplish their mission, the men and women of the 1st Fighter Wing work in one of two groups: Operations Group or the Maintenance Group. Eight squadrons comprise the two groups, which include two fighter squadrons: 27th FS “The Fightin’ Eagles” and the 94th FS “Hat-in-the-Ring Gang.”

Continuing the 1st FW's tradition of being the first to bring new fighter jets operational, the Air Force announced in 2002 that the 1st FW would become the first operation F-22 wing; paving the way for the future of air dominance.

In addition to the F-22, the 1st FW has tallied many other firsts throughout its distinguished history. In World War I, when it was known as the 1st Pursuit Organization and Training Center, the wing scored its first aerial victory when Lt. Douglas Campbell of the 94th Aero Squadron downed a German Phalz D-3 over France. By the time the war ended, the unit earned 202 confirmed kills.

During World War II, the 1st FW again excelled, earning three Distinguished Unit Awards for outstanding performance of duty. Re-designated as the 1st Fighter Group, the unit entered the war flying the P-38. Throughout the war, the 1st FG flew more than 20,000 sorties on 1,405 combat missions, and accumulated more than 400 aerial victories.

On Aug. 7, 1990, the 1st FW, then known as the 1st Tactical Fighter Wing, deployed to Saudi Arabia in support of Operation Desert Shield, adding to the list of firsts by becoming the first US unit to establish air superiority over Saudi Arabia. Through both Operations Desert Shield and Desert Storm, the wing flew more than 6,200 sorties and racked up nearly 25,000 flying hours. The wing also recorded an aerial victory when Capt. Steve Tate of the 71st FS shot down an Iraqi F-1 Mirage.

In 1991, the 1st TFW became known as it is today, the 1st Fighter Wing. For most of the 1990s, the wing practiced the lessons it learned during Desert Shield and Desert Storm; participating in numerous deployments and exercises throughout the world. This practice would pay off.

In 2003, the Air Force called once again to the 1st FW to provide air superiority in combat. The wing deployed to Southwest Asia in support of Operation Iraqi Freedom where it flew over 360 training and combat sorties.

Throughout its history, the 1st FW has led the way. On December 15, 2005, the 1st FW continued that tradition with the 27th Fighter Squadron becoming the Air Force's first operational F-22 fighter squadron.

The wing's inventory of 40 F-22s, in the 27th and 94th Fighter Squadrons reached Full Operational Capability on December 12, 2007.



On Jan. 7, 2010, the 9th Air Force activated the 633rd Air Base Wing as the new host unit for Joint Base Langley-Eustis, Va., taking over for the 1st FW in this regard.

On Sept. 30, 2010, the last F-15 transitioned out of Langley, leaving the F-22 as the sole fighter operated and maintained by the wing.





Air Combat Command

Air Combat Command, headquartered at Joint Base Langley-Eustis, Va., is a U.S. Air Force major command created June 1, 1992 by combining its predecessors of the Strategic Air Command and Tactical Air Command. ACC is the primary provider of air combat forces to America's unified combatant commands.

Mission

Air Combat Command is the primary force provider of combat airpower to America's warfighting commands. To support global implementation of the national security strategy, ACC operates fighter, bomber, reconnaissance, battle-management, and electronic-combat aircraft. It also provides command, control, communications and intelligence systems, and conducts global information operations.

As a force provider, ACC organizes, trains, equips, and maintains combat-ready forces for rapid deployment and employment while ensuring strategic air defense forces are ready to meet the challenges of peacetime air sovereignty and wartime air defense. ACC numbered air forces provide air competency to U.S. Central and Southern Commands with Headquarters ACC serving as the air component to U.S. Northern and Joint Forces Commands. ACC also augments forces to European, Pacific, and Strategic Commands.

Personnel and Resources

More than 110,000 active-duty members and civilians make up the ACC work force. When mobilized, more than 61,000 members of the Air National Guard and Air Force Reserve, along with about 618 aircraft, are assigned to ACC. In total, ACC and ACC-gained units fly more than 1,750 aircraft.

Organization

ACC's forces are organized under four numbered air forces, one Air Force Reserve and four primary subordinate units. The command operates 15 major bases, including tenant units on 13 non-ACC bases throughout the United States. ACC also has responsibility for inland search and rescue in the 48 contiguous states. The ACC commander is the component commander of U.S. Air Forces, Joint Forces Command, and U.S. Strategic Command.



Major Paul “Loco” Lopez II

Demonstration Commander/Pilot



Major Paul Lopez II is the United States Air Force F-22 Demonstration Team Commander and Pilot stationed at Joint Base Langley-Eustis in Hampton, Va. As the F-22 Demonstration Team Commander, he is responsible for representing Air Combat Command, the United States Air Force, the Department of Defense, and the United States of America at more than 20 air shows annually.

He leads the 18-member F-22 Demonstration Team, oversees maintenance actions performed on one of the most advanced fighter jets ever built, and showcases the Raptor’s exceptional maneuverability for more than 10 million spectators around the world each year. He is an operational F-22 pilot assigned to the 1st Operations Group within the 1st Fighter Wing.

Maj. Lopez is from Virginia Beach, Virginia. After graduating from Salem High School, he attended college at North Carolina Agricultural and Technical State University (NC A&T SU) in Greensboro, North Carolina. In 2004, he graduated with a Bachelor of Science in Mechanical Engineering and earned his commission through the NC A&T SU Air Force Reserve Officer Training Corps.

Maj. Lopez attended phases I and II of pilot training at Moody Air Force Base in Valdosta, Georgia, flying the T-6 Texan II. He moved to Laughlin AFB in Del Rio, Texas for phase III of pilot training where he learned to fly the T-38C Talon and earned his pilot wings after completing undergraduate pilot training in 2006.

Following pilot training, Maj. Lopez completed Introduction to Fighter Fundamentals, flying the AT-38C Talon at Moody AFB prior to attending the F-15C Eagle Basic Course at Tyndall AFB in Panama City, Florida in 2007. Upon graduation, Maj. Lopez was assigned to the 71st Fighter Squadron at Langley AFB in Hampton, Virginia as an operational fighter pilot.



Maj. Lopez attended the F-22 Raptor transition course in January 2011 at Tyndall AFB. Upon completion, he flew F-22 Raptors in the 27th Fighter Squadron at Langley AFB until October 2012. Maj Lopez then moved to Joint Base Elmendorf-Richardson in Anchorage, Alaska and flew Raptors there from November 2012 to January 2016. Following the Alaska assignment, Maj Lopez moved back to Langley AFB in January 2016 and served as the Chief of Flight Safety for the 1st Fighter Wing.

While assigned to the 1st FW, he was selected to be the Air Combat Command F-22 Raptor Demonstration Pilot. Maj. Lopez is an experienced Fighter Pilot with over 1,400 fighter hours flying the F-15 and F-22.

Maj. Lopez enjoys being a part of the F-22 Raptor Demonstration Team and accomplishing the mission of Showcasing American Airpower, Recruiting/Retaining America's Finest Personnel into the Armed Forces, and Enhancing International and Domestic Relationships.



Master Sergeant Emanuel Knowlton

Team Superintendent



Master Sergeant Emanuel Knowlton is the United States Air Force's F-22 Raptor Aerial Demonstration Team Superintendent, based at Joint Base Langley-Eustis, Virginia. As the aerial demonstration team superintendent, he is responsible for representing Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually. He leads the 12-member enlisted F-22 Demonstration Team and oversees all maintenance actions performed on the Lockheed Martin \$140 million demo aircraft. By doing so, he ensures the demonstration pilot is equipped with a safe, reliable, and effective F-22 Raptor to execute his aerial maneuvers for more than 10 million spectators around the world each year. MSgt Knowlton also serves as the narrator during demonstration performances.

MSgt Emanuel Knowlton was born in West Memphis Arkansas and graduated from West

Memphis High School in 2003. On 1 October 2003, he enlisted into the United States Air Force.

MSgt Knowlton has held various positions within the 1st Maintenance Group located at JB Langley-Eustis in Hampton, Virginia and also within the Ogden Air Logistics Complex located at Hill AFB, Utah. His latest assignment brings him to the reigns of the Superintendent of the F-22 Demonstration Team. He has deployed in support of Operation Enduring Freedom and Operation Inherent Resolve.

Education

Enrolled: Associates of Aircraft Systems Maintenance Technology, CCAF, Virginia.

Assignments

- 2004-2006: F-16 Assistant Dedicated Crew Chief
- 2006-2009: Weapons System Controller
- 2009-2014: F-22 Dedicated Crew Chief
- 2014-2016: Depot Maintenance Craftsman
- 2016-2018: Aircraft Battle Damage Instructor
- 2018-2019: Specialist Section Chief
- 2019-Present: F-22 Demonstration Team Superintendent



Technical Sergeant Yamil Reyes Sanchez

Team Chief



Technical Sergeant Yamil Reyes Sanchez is the United States Air Force's F-22 Raptor Demonstration Team Chief, based at Joint Base Langley-Eustis, Virginia.

As the demonstration team chief, he is responsible for representing Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually. He helps lead the 12-member enlisted F-22 Demonstration Team and helps oversee all maintenance actions performed on the Lockheed Martin \$143M demo aircraft. By doing so, he ensures the demonstration pilot is equipped with a safe, reliable, and effective F-22 Raptor to execute his aerial maneuvers for more than 10 million spectators around the world each year.

Technical Sergeant Reyes Sanchez was born in Rio Piedras, Puerto Rico but grew up in Yonkers, New

York and got his high school equivalency in 2001.

On 8 April 2003, he enlisted into the United States Air Force. He has held various positions within the aircraft maintenance career field culminating with his most recent position as the F-22A Demonstration Team Chief. He has deployed in support of Operation Inherent Resolve.

Education

- 2002 — Mildred Elley, Proprietary College, Albany, NY, Assoc. Deg in Information Technology

Assignments

- Nov 2003 – May 2005: F-16 Assistant Dedicated Crew Chief, 63rd AMU, Luke AFB, AZ
- May 2005 – May 2006: F-16 Assistant Dedicated Crew Chief, 35th AMU, Kunsan AB, ROK
- May 2006 – Aug 2008: F-16 Phase Dock Crew Chief and Transient Alert, 56th EMS, Luke AFB, AZ
- Sep 2008 – Sep 2009: F-16/A-10 Phase Dock Support Technician, 51st EMS, Osan AB, ROK
- Oct 2009 – Oct 2010: F-22 Dedicated Crew Chief, 43rd AMU, Tyndall AFB, FL
- Oct 2010 - Aug 2016: F-22 Dedicated Crew Chief, 27th AMU, Langley AFB, VA
- Aug 2016 – Dec 2017: F-22 Support Section Shift Lead, 27th AMU, Langley AFB, VA
- Dec 2017 – Present: F-22 Raptor Demonstration Team Chief, Langley AFB, VA



2nd Lieutenant Samuel Eckholm

Public Affairs Officer

2nd Lieutenant Samuel Eckholm serves as the Public Affairs Officer for the F-22 Raptor Demonstration Team. As the PAO, he handles all social media, community relations, civic outreach, and media outreach for the team. Lt Eckholm also serves as the team photographer and videographer, helping to capture, edit, and showcase the story and mission of the F-22 Raptor Demonstration Team to the world. Lt Eckholm manages the team social media pages and interacts with thousands of fans on a daily basis. He represents Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually to over 10 million fans and spectators across the world.

Lt Eckholm graduated from the United States Air Force Academy in 2018 with a Bachelor of Science degree in Legal Studies. Lt Eckholm received his first assignment to Joint Base Langley-Eustis, Virginia in August of 2018 where he joined the Public Affairs shop of the 663d Air Base Wing. This is Lt Eckholm's first season with the F-22 Raptor Demonstration Team. In his spare time, Lt Eckholm enjoys photography, video production, and editing, as well as all things sports related. He is an avid runner, musician, and golfer. He is looking forward to interacting with the thousands of individuals he will meet throughout the season while helping to recruit, retain, and inspire America's finest personnel.

Education

- 2018 – Bachelor of Science degree, U.S. Air Force Academy, Colorado Springs, Colorado.
- 2019 – Public Affairs Qualification Course, Defense Information School, Fort Meade, Maryland

Assignments

- June 2014 – May 2018: United States Air Force Academy Class of 2018
- August 2018: Joint Base Langley-Eustis, Va., 633d Air Base Wing Public Affairs
- January 2019: F-22 Raptor Demonstration Team, Public Affairs Officer, JBLE, Va.



Technical Sergeant Joseph Aronson

Integrated Avionics Specialist

Technical Sergeant Joseph Aronson is an integrated avionics specialist for the F-22 Raptor Demonstration Team and a member of the 192d Aircraft Maintenance Squadron. As an avionics specialist, he is responsible for ensuring the aircraft's communication, navigation, RADAR, and electrical/environmental systems are operational. He represents Air Combat Command, the U.S. Air Force, the Virginia Air National Guard, and the DOD at more than 20 air shows annually. His mission is to ensure the demonstration team has a quality aircraft available to perform a safe demonstration so that millions of spectators can see the F-22 Raptor's air superiority.

TSgt Joseph Aronson enlisted into the Air Force on October 22, 2008. He is from Richmond, Virginia and a 2008 graduate of Manchester High School. During his time in the Air Force he has also competed as an amateur mixed martial arts fighter and competed in several weightlifting meets to include the American Weightlifting Federation grand open in Las Vegas.

Assignments

- 2008 – Present: Integrated Avionics Specialist, 192d AMXS, JBLE, Va.



Technical Sergeant Jeffrey Baskin

Crew Chief



Technical Sergeant Jeffrey Baskin is a Dedicated Crew Chief on the F-22 Raptor Demonstration Team and a member of the 192nd Aircraft Maintenance Unit. As a Crew Chief, he is responsible for performing detailed inspections, diagnosing malfunctions, replacing components as necessary, looking over aircraft maintenance documentation, and overall ensuring the aircraft is safe for the aircrew.

He represents Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually. His mission is to ensure the demonstration team has a quality aircraft available to perform a safe demonstration so that millions of spectators are able to see the F-22's air superiority.

Baskin enlisted in the Air Force on November 19, 2002. He is from Virginia Beach, Virginia and graduated from Princess Anne High School in 1999.

After four years on active duty as a crew chief on the C-5 galaxy, he transitioned into the Air Force Reserves in 2006. In 2008, Baskin made the jump from cargo to fighter aircraft by joining the Virginia Air National Guard and becoming a crew chief on the F-22 Raptor. In his free time, he enjoys working and driving cars both on and off the race track.

Education

- 2009 – Federal Aviation Administration Airframe & Powerplant Airmen Certificate holder
- 2008 – AAS in Aviation Maintenance Technology Degree, Community College of The Air Force, Montgomery, Ala.

Assignments

- 2008 – Present: Dedicated Crew Chief, 192nd Aircraft Maintenance Unit, JB Langley Eustis, Va.
- 2002 – 2006: Dedicated Crew Chief, 436th Airlift Wing, Dover Air Force Base, Del.
- 2006 – 2008: Dedicated Crew Chief, 512th Airlift Wing, Dover Air Force Base, Del.
- 2008 – Present: Dedicated Crew Chief, 192^d Aircraft Maintenance Squadron, JBLE, Va.



Technical Sergeant Shantelle Phommathep

Integrated Avionics Specialist

Technical Sergeant Shantelle Phommathep is an Integrated Avionics Craftsman for the F-22 Raptor Demonstration Team and a member of the 1st Fighter Wing. As an avionics specialist, she is responsible for ensuring the aircraft's radar, communication, electrical, environmental, and navigational systems are operational. She represents Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually. Her mission is to ensure the demonstration team has a quality aircraft available to perform a safe demonstration so that millions of spectators are able to see the F-22's air superiority.

TSgt Phommathep enlisted in the Air Force on December 9, 2008. She is a native of Ewa Beach, Hawaii and a graduate of Saint Francis High School. During high school, she participated in bowling and basketball. In her free time, she enjoys bowling, hiking, and fishing.

Education

- 2010 – Community College of the Air Force, Avionics Systems Technology Degree

Assignments

- Sept 2009 – March 2014: F-22 Integrated Avionics Craftsman, 7th AMU, Holloman AFB, NM
- March 2014 – Sept 2015: F-22 Integrated Avionics Craftsman, 525th AMU, Elmendorf AFB, AK
- Sept 2015 – March 2018: F-22 Debrief Section Lead, 525th AMU, Elmendorf AFB, AK
- April 2018 – Present: F-22 Avionics Expediter, 1st Fighter Wing, JBLE, Va.



Staff Sergeant Israel Davila

Crew Chief



Staff Sergeant Israel Davila Jr. is a Dedicated Crew Chief on the F-22 Raptor Demonstration Team and a member of the 94th Aircraft Maintenance Unit. As a Crew Chief, he is responsible for performing detailed inspections, diagnosing malfunctions, replacing components as necessary, looking over aircraft maintenance documentation, as well as ensuring the aircraft is safe for the aircrew.

He represents Air Combat Command, the United States Air Force and the Department of Defense at more than 20 air shows annually.

His mission is to ensure the F-22 Raptors are ready to perform at airshows around the world.

Staff Sergeant Davila enlisted in the Air Force on July 4, 2011 to travel the world and gain a higher education. He was born in the Bronx, New York and later moved to Liverpool, New York.

Assignments

- March 2011 – Mar 2015: Assistant Dedicated Crew Chief, 525 Aircraft Maintenance Unit, Joint Base Elmendorf-Richardson, Alaska.
- March 2015- Present: Dedicated Crew Chief, 94th Aircraft Maintenance unit, JBLE, Va.



Staff Sergeant Annemarie Prozzillo

Aircrew Flight Equipment Technician



Staff Sergeant Annemarie Prozzillo is the Aircrew Flight Equipment Technician for the F-22 Demonstration Team and a member of the 1st Operations Support Squadron. As an Aircrew Flight Equipment Technician, she is responsible for ensuring all flight and safety equipment is in perfect working order for all F-22 and T-38 pilots at Joint Base Langley-Eustis, Virginia.

SSgt Prozzillo enlisted in the Air Force in April 2014. She is a native of Lancaster, Pennsylvania and was a 2011 graduate of Conestoga Valley High School. There, she was on the varsity track and rifle team, band, Technology Student Association, model United Nations, and Superintendent Advisory Council. Prozzillo enjoys volunteering in the local community and with the local American Cancer Society chapter.

Education

- 2017 – AAS in Aircrew Flight Systems, Community College of the Air Force, Montgomery, Ala.
- Enrolled: Bachelors of Criminal Justice, Saint Leo University, Virginia Beach, Va.

Assignments

- 2014 – Present: Aircrew Flight Equipment, 1st Operations Squadron, JBLE, Va.



Staff Sergeant Zachary Zistl

Crew Chief

Staff Sergeant Zachary Zistl is a first year Tactical Aircraft Maintenance Crew Chief with the USAF F-22 Raptor Demonstration Team and a member of the 27th Aircraft Maintenance Unit. As a crew chief, he is responsible for all maintenance actions, inspections, ground operations, troubleshooting, hydraulic systems, auxiliary power systems, pneudraulic systems, power plant systems, and housekeeping of the aircraft. He represents Air Combat Command, the U.S Air Force, and the Department of Defense at more than 20 air shows annually. He ensures that the demonstration team pilot is equipped with a safe, reliable and effective F-22 Raptor to execute aerial maneuvers for millions of spectators around the world.

Sergeant Zistl was born in Dover, Delaware and graduated from Polytech High School in 2012. On 11 March 2014, He enlisted in the United States Air Force.

Education

- 2012- Polytech Highschool, Dover, Del.
- 2014- Aircraft Maintenance Technology, Wichita Falls, Texas
- 2018- Airman Leadership School, Hampton, Va.

Assignments

- November 2014 – Present, Crew Chief, 1st Aircraft Maintenance Squadron, JBLE, Va.



Senior Airman Cody Gose

Integrated Avionics Specialist

Senior Airman Cody Gose is an Integrated Avionics Specialist for the F-22 Raptor Demonstration Team. As an avionics specialist, he is responsible for all electrical components of the F-22. He falls under the command of the Air Combat Command, 1st Fighter Wing, and 94th Aircraft Maintenance Squadron. His mission is to ensure all F-22 electrical components are sound for the demonstration.

SrA Gose, originally from Enid, Oklahoma, enlisted in the Air Force as open electrical on October 6, 2014. Prior to enlisting, he was a diesel technician. In his spare time, he enjoys working on his car and motorcycle. He enjoys any outdoor activities and spends most of his time working out and trying to better himself physically.

Assignments

- May 2015 – Present, Avionics Specialist, 1st Fighter Wing, JBLE, Va.



Senior Airman Derek Doerr

Integrated Avionics Specialist

Senior Airman Derek Doerr is an integrated avionics specialist for the F-22 Raptor Demonstration Team and a member of the 1st Aircraft Maintenance Squadron. As an avionics specialist, he is responsible for ensuring the aircraft's communication, navigation, RADAR, and electrical/environmental systems are operational. He represents the Air Combat Command, the United States Air Force, and the Department of Defense at more than 20 air shows annually. His mission is to ensure the demonstration team has a quality aircraft available to perform a safe demonstration so that millions of spectators can see the F-22 Raptor's air superiority.

Senior Airman Derek Doerr enlisted into the Air Force on December 30, 2013. He is from Mountain Home, Idaho and a 2012 Graduate of Mountain Home High School. During his time in High School, he participated in basketball and golf.

Assignments

- 10 Sep 2014 – Present: Integrated Avionics Specialist, 1st AMXS, JBLE, Va.



Senior Airman Erinn Bailey

Crew Chief

Senior Airman Erinn Bailey is an Assistant Dedicated Crew Chief for the F-22 Raptor Demonstration Team and a member of 1st Aircraft Maintenance Squadron. As an Assistant Dedicated Crew Chief, he specializes in the launch and recovery ground show procedure and performing quality maintenance on the F-22 Raptor, giving pilots the ability to safely display air power with healthy jets.

SrA Erinn Bailey enlisted in the Air Force on May 19, 2015. He was raised in Hubert, North Carolina, and a 2012 graduate of Swansboro High School. He was a member of the school's basketball team throughout his four years. SrA Bailey's interests include sports, specifically basketball, football, and soccer, as well as video games.

Assignments

- January 2016 – Present, Assistant Dedicated Crew Chief, 1st Aircraft Maintenance Squadron, JBLE, Va.



Phonetic Alphabet

This is the phonetic alphabet used throughout the military to prevent misunderstood information when transmitting messages. Military members frequently use the phonetic alphabet in place of the traditional alphabet when spelling words or in referencing a location. One of the most popular uses of the phonetic alphabet deals with flight line locations.

Each flight line location is designated by a letter from the phonetic alphabet, followed by a number. For example, runway B-1 would be referenced as Bravo 1.

- Alpha
- Bravo
- Charlie
- Delta
- Echo
- Foxtrot
- Golf
- Hotel
- India
- Juliet
- Kilo
- Lima
- Mike
- November
- Oscar
- Papa
- Quebec
- Romeo
- Sierra
- Tango
- Uniform
- Victor
- Whiskey
- X-ray
- Yankee
- Zulu



F-22 Demonstration Team Contact List

Name	Position	Phone	Email
Maj. Paul Lopez	Demo Pilot/Commander	(757) 764-5028	Paul.lopez@us.af.mil
MSgt Emanuel Knowlton	Superintendent	(757) 921-0706	Emanuel.knowlton@us.af.mil
TSgt Yamil Reyes Sanchez	Team Chief	(757) 764-5028	Yamil.reyes_sanchez.1@us.af.mil
2d Lt. Samuel Eckholm	Public Affairs Officer	(214) 912-6204	Sam.eckholm@gmail.com

Social Media Pages



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#RaptorNation

#F22DemoTeam

#F22Raptor



F-22 Images and B-Roll

Please click on the DVIDS image below to access our feature page. This will provide you access to still images and B-Roll for the F-22 Demonstration Team. Feel free to download as many images or video as you need to help showcase our Demonstration Team



For specific questions or further information regarding the media kit, please contact the team Public Affairs Officer, Second Lieutenant Sam Eckholm at (214) 912-6204 or email sam.eckholm@gmail.com.

