

Biographical Information

Name	William Joseph Simone
Other names	
Born	9 January 1951
Deceased	
Mother	Rose M. Simone
Father	Joseph D. Simone
Spouse	
Children	Joseph W. Simone, Anthony R. Simone
Occupations	Aerospace Engineer – See Attachment Summary
Education	BS Degree from Nothrop Institute of Technology, additional schooling at USC and Cal Tech
Publications	See Attached List
Nationality	US
Notes	Member of Museum and volunteer in the 1990's Former member of the Board of Director, Air Force Flight Test Museum, and Chair of the Museum Committee, currently a volunteer and member of the Restoration Team Air Force officer Pilot “Sabre” Former War Bird owner - F-86F Soled at 16 ½ and flew his first jet at 18 Aircraft historian, published author and photographer

PROFESSIONAL EXPERIENCE

LOCKHEED MARTIN **2016 - 2018**

AERONAUTIC ENGINEER STAFF

- Flight Test Conductor on the F-35A flight test program at Edwards AFB. Retired for third and last time.

NORTHROP GRUMMAN **2008 - 2016**

ENGINEER LEVEL 5

- B-2 Flight Test Engineer. Supported MOP and EHF testing.
- Certified B-2 Test Conductor. 69 tests and approximately 100 hours in the cockpit.
- Lead for the X-47B UCAS Ground Vibration Test.
- Co-lead for the X-47B UCAS Structural Proof Test, which demonstrated its structural integrity.
- Co-lead for the X-47B UCAS Ground Resonance Test.

- ❑ Supported NAVAIR flight and ground tests of the Fire Scout VTUAV vehicle.
- ❑ Certified Test Conductor.

LOCKHEED MARTIN SKUNK WORKS

1996 - 2008

AERONAUTIC ENGINEER STAFF

- ❑ External Loads Lead Engineer on JASSM, U-2, F-117 and several classified programs.
- ❑ Responsible for all static load analysis required for JASSM airworthiness certification.
- ❑ Led flight test effort to demonstrate JASSM structural integrity during PDRR. Received commendation from NAVAIR for efforts in certifying JASSM on the F/A-18C for Carrier Suitability. Qualified JASSM on the B-52H, F-16C/D, and B-1B. Completed all tasks on time and on budget.
- ❑ Generated external loads for all phases of flight and ground handling on U-2 and JASSM. Author of the Structural Design Criteria and External Loads Reports.
- ❑ Author of the U-2 Aircraft Structural Integrity Plan (ASIP) for 5 years. Tracked, reduced and analyzed the aircraft usage data to determine aircraft life. Tracked crack, corrosion, and overload issues on the aircraft to established inspection intervals.
- ❑ Determine missions parameters used in U-2 RCMA effort. Generated external loads for all phases of flight and ground handling used in determining crack growth and inspection intervals.
- ❑ Worked with the vendors and Lockheed Martin Safety to assure that the equipment carried on the U-2 met the demanding U-2 environmental specifications required for equipment airworthiness certification.
- ❑ Environmentally qualified numerous equipment or modifications to original equipment, including the RAS-1R, SYERS and ASIP sensors, for carriage on the U-2. Conducted qualification tests.
- ❑ Worked classified Special Programs as External Loads Lead. Received commendation from the customer for an outstanding effort.
- ❑ Member of U-2 Communications Council and the company U-2 Historian, duties which included planning and carrying out the 50th Anniversary Celebration. Worked with the CIA in recognizing the pioneering U-2 pilots.

RAYTHEON AIRCRAFT

1995 - 1996

SENIOR ENGINEER

- ❑ External Loads Lead Engineer on the T-6A Texan II (JPATS). Responsible for all static and fatigue load analysis required for USAF/USN/FAA certification. Generated external loads for all phases of flight and ground handling. Author of the Structural Design Criteria and External Loads Reports. Supervised two other engineers.
- ❑ Led flight test planning effort to demonstrate aircraft structural integrity during 80% flight loads demonstration. Determined the maneuvers, airspeeds, and altitudes required to show structural integrity leading to the airworthiness certification.
- ❑ Studied to be a FAA DER.

NORTHROP GRUMMAN CORPORATION

1979 - 1995

ENGINEERING SPECIALIST

- ❑ Received a special commendation for 'Exceptional support of a unique flight test program.
- ❑ Generated external loads for all phases of flight and ground handling for the F-20, RF-5E and TSSAM, as well as a number of classified programs.
- ❑ Led Flight Test Total Quality Management team on a classified program that determined the requirements for flight test status reports and standard instrumentation. Resulted in reshaping reports into a format that tracked specification verification.
- ❑ Developed full-scale static test loads, verified test configuration and conducted tests. Evaluated data and briefed the customers and management on the results.
- ❑ Developed requirements for flight test plans. Established limitations for future flights and verified specification compliance. Monitored flight tests. Evaluated flight test data and briefed the customers and management on the results. Wrote flight test reports.

- ❑ As a member of a small team helped solved a problem that had the potential for canceling a classified program by conducting analysis, including systems models and performing tests in order to determine the cause of the anomaly. Received commendation for an outstanding effort.

ROCKWELL INTERNATIONAL

1976 - 1979

ENGINEER

- ❑ External loads analysis on the Space Shuttle orbiter, external tank and solid rocket boosters.
- ❑ Restructured the methods used to reduce the raw wind tunnel data on the Space Shuttle resulting in substantial savings in data analysis cost. Established a wind tunnel database.
- ❑ Realized substantial savings in B-1A flight test data analysis cost by developing a tracking program.
- ❑ Established and maintained a flight-test database.
- ❑ Monitored flight tests.

EDUCATION

BS, Aerospace Engineering • *Northrop Institute*

Certificate in Systems Engineering • *California Institute of Technology*

Extension Course in Flight Testing • *University of Kansas*

Occupations Summary

- Retired Aerospace Engineer – Rockwell, Northrop, Raytheon Aircraft Co, Lockheed Shuck Works
- Air Force Officer
- 45 Years as an Engineer and Flight Tester
- Lead External Loads Engineer on the T-6 Texan II, U-2, JASSM
- B-1A, Space Shuttle, F-5E/F, F-20A, TSSAM, T-6A, JASSM, U-2, F-117A, B-2A, X-47B, F-35A and others
- 21+ years at Edwards AFB – Assigned to the 419th FTS, 452nd FTS, 461st FTS
- Supported flight testing with the 410th FTS, 418th FTS, U-2 Det. 2 and NASA Dryden
- Currently assigned to the 412th TW/MU, Edwards AFB
- Flight tested aircraft and weapon systems at Edwards AFB, Eglin AFB, Pax River, Tonopah Test Range (TTR), Utah Test and Training Range (UTTR), Pt. Mugu, China Lake, White Sands, and others locations

Publications

Books and magazine articles

'Aerophile Magazine (Volume 1, Number 5) – One Oh Seven North American F-107A', published by Jay Miller

'Air Force Legends 203– North American F-107A', published by Steve Ginter

Reviewed by Goliath Business News: 'Aviation enthusiasts have been blessed with many books over the years devoted to covering just one particular aircraft in complete and vivid detail. These books have long been the mainstay of modelers, writers, historians, and aviation artists who would have no other method of seeing this type of airplane up close and personal. Detailed photos of landing gear wells, cockpit panels, engine air intake and exhaust ducts, and other specific structural areas viewed from as close as just a few feet away have always comprised the backbone of these valuable publications.

Such is William Simone's dedicated life-long effort as reviewed here. As part of Ginter Book's 'Air Force Legends' Series, NORTH AMERICAN F-107A takes the reader inside, around, and through this unique and pioneering supersonic aircraft.'

'Air Force Legends 222– Lockheed XF-90 Penetration Fighter', published by Steve Ginter

The review stated "Like so many other aircraft covered by the Air Force Legends and Naval Fighter Series of books, aside from a few magazine articles, there is a dearth of published material on the XF-90. Mr. Simone more than makes up for this by producing a volume that can stand alone as a singularly exceptional XF-90 reference for a wide audience of readers.

Overall, this volume is a standout among the already excellent Air Force Legends Series. A must buy for those interested in early jet fighters, the USAF, or Lockheed aircraft."

'Air Force Legends 227– YF-93A Penetration Fighter', published by Steve Ginter

'F-107A Weapon Separation Tests' American Institute of Aeronautics and Astronautics (AIAA), Fall 2006

From the article: 'Bill has an extensive background in flight test and is currently an engineer at the Lockheed Martin Skunk Works. He is a dedicated enthusiast of the F-107A and has authored a very detailed book about the F-107A.'

'Saving the XB-47', Warbirds International, January 2017

'Saving Willy the Whale', Warbirds International March 2018

'The Air Force Flight Test Center Museum X-4 Restoration', Air Classics, May 2013

'Saving Stealth', Warbirds International, September/October 2012

'The Flight Test Museum's NB-26 VSS', Warbirds International

'The Flight Test Museum's JB-57B', was scheduled to be published in 2020 Warbirds International but Covid-19 delayed publication

'The Early U-2s', FTHF 2015 GOE Program featured article

'Breaking Barriers.....Expanding Horizons Celebrating the Woman of Flight Test' FTHF 2018 GOE Program featured article

Partial list of newspaper and website articles

'Stealth Fighter Moves in Dark of Night', Antelope Valley Press, 9 Jun 2012 – Front Page photo

'Stealth Fighter Moved to Edwards For Museum Display', Pacific Flyer, July 2012 – Photos and story

'Museum's YF-117A Stealth Fighter in on the Move', Aerotech News and Review, 15 June 2012 – Photos and story on front cover

'One of Only Four Existing F-117s Returns to Edwards', Desert Wings (Edwards AFB weekly paper), 15 June 2012 – Supplied technical data, interviewed by author

'Rare XB-47 is Home Once Again', Aerotech News and Review, September 2016 – Photos and story

Air Force Flight Test Museum web page: <http://afftcmuseum.org/visit/edwards-museum/>

Numerous items including the B-2, F-117, X-4, XB-47, and STEM and museum activities

Various unclassified internal articles on the U-2 for the Skunk Works

Various articles over a period of 10 years for the 'North American Retirees Bulletin',

Partial list publications using photos and data from William J. Simone Collection

'Design and Development of the Blackbird' by Peter Merlin (*published in conjunction with NASA*)

Peter wrote 'I couldn't have done this without you. Thanks for the Help.' Supplied vast amounts of unclassified photos and data.

'Air Force Legends 202– North American Sabre Jet, F-86D/K/L, Part I, Design/Structure/Testing', published by Steve Ginter

Nearly 100 photos were supplied for this book.

'Air Force Legends 212– North American F-86 Sabre Hog', published by Steve Ginter

Supplied nearly all of the development and flight test photos.

'North American Aircraft 1934-1999, Volume 2', by Kevin Thompson

Supplied data for the section on the F-107A

Smithsonian Air & Space Magazine, July 01, 2010, 'Century Series Wannabe

From the article: 'In his 2002 book, North American F-107A, William J. Simone recounts one of the hairiest F-107A flights, which was made outside the testing program.'

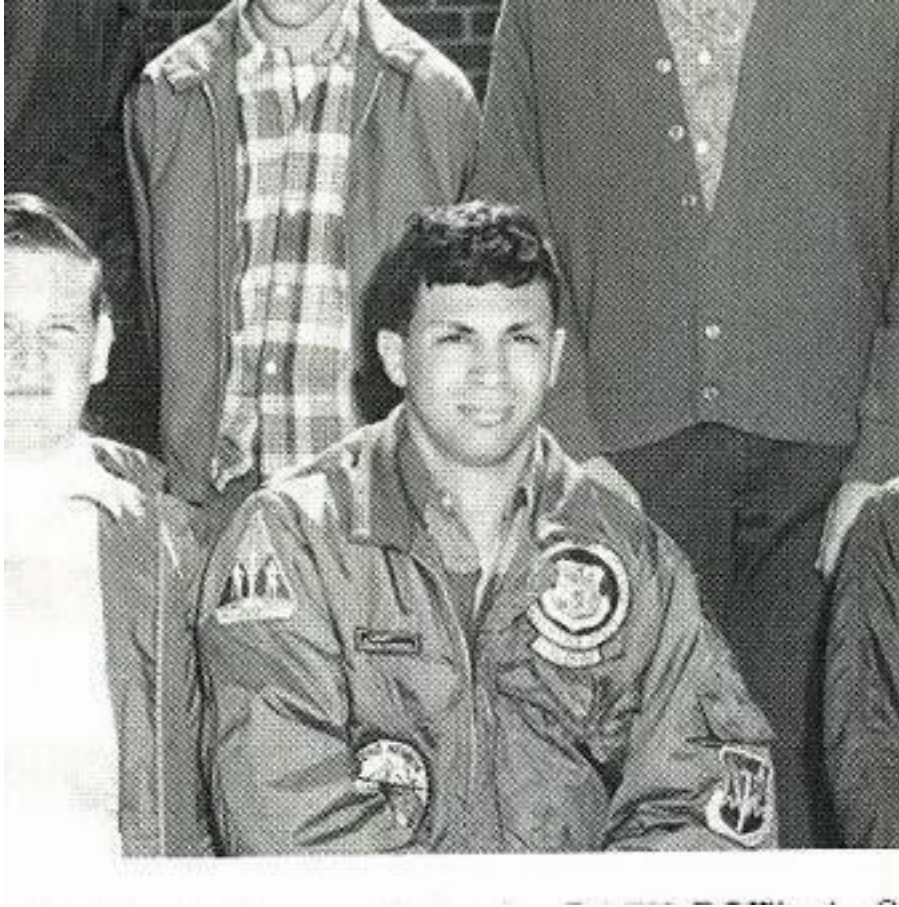
Wikipedia free encyclopedia, F-107A

Supplied data on the F-107A design and flight test

[Air Force Flight Test Musuem web page: http://afftcmuseum.org/visit/edwards-museum/](http://afftcmuseum.org/visit/edwards-museum/)

Numerous items including the B-2, F-117, X-4, XB-47, and STEM and museum activities

Photos



High School





With his F-107A



F-20



With sons Joe and Tony



B-2



F-86





X-47B