



**Abstract:** What's the F-35 really fly like? Does it have the capability to be the preeminent fighter of the 21st century? How has F-35 flight test progressed and tackled challenges? Through personal experiences, photos, and videos I will answer these questions and discuss 21st century military airpower, the use of military aircraft technology/autonomy and lessons learned from the largest aircraft acquisition program in the history of the Department of Defense

**Bio:** Lt Col Tucker "Cinco" Hamilton is an Experimental Fighter Test Pilot for the United States Air Force. Cinco started his Air Force career as an operational F-15C pilot. He supported multiple Red Flag Exercises and real world Operation Noble Eagle missions where he protected the President of the United States; at times escorting Air Force One. He then served as an Air Liaison Officer in Germany where he was the director of operations for a key command and control squadron. While serving in Germany he was hand-selected to be the initial cadre for the first MC-12 squadron in Afghanistan; heralding in the Air Force's first tactical Intelligence, Surveillance, and Reconnaissance aircraft. He served as the Chief Instructor for 200+ aircrew and accumulated over 400 combat hours directly supporting ground forces. After his time in the MC-12 he attended the USAF Test Pilot School (TPS) where he flew 30 different aircraft, wrote 38 technical reports, and took part in the first Automatic Air Collision Avoidance System testing. He is a University of Colorado-Boulder Aerospace Engineering and Air Force ROTC graduate.