53d Weapons Evaluation Group

Combat Archer

Capt Jesse “Magoo” Proctor
83 FWS/DO5
F-16 Instructor Pilot
Division Chief of Analysis
Fox, Fox!!!
The Tally

- 300+ Missiles per year
- 20+ Fighter Squadrons per year
  - USAF, USN, USMC
  - Coalition Partners
- 12 +/- Full-Scale Drones per year (QF-4)
- 30 +/- Sub-Scale Drones per year (BQM-167A)
The Threat

- BQM-167A
- 11’ wingspan / 19’ long
- 9-G capable near sea level / bingo
- Lunberg Lens
- 60 Flares
- 2 x IR Pods
- EA Pod Capable
Why Combat Archer?

- COMBAT ARCHER
  - VIETNAM
  - DESERT STORM
  - OSW/ONW
  - ALLIED FORCE

- SHOT & KILL DOCTRINE SHOULD MATCH WSEP RESULTS
The Solution: WSEP

- Combat Performance
- TTP Development
- Quality Control

Southeast Asia

Desert Storm

Bonafide AIM-7 Attempts
- 560
- 67

Successful (fireball or guided to fireball)
- 94 (17%)
- 29 (48%)

Out of Envelope Launches
- 204 (47%)
- 13 (24%)

Successful in-envelope
- 94 (41%)
- 29 (83%)

Kill Ratio
- 319:77 (4.1:1)
- 29:0

Lt Col Branford McAllister USAFTAWC
"U.S. Air Force Air-to-Air Missile Results"
### Contact Info

- **83 FWS Commander:**
  - Lt Col Britt “Mega” Hurst
  - Britt.hurst@tyndall.af.mil

- **83 FWS Director of Operations:**
  - Lt Col Christian “Raz’n” Kane
  - Christian.kane@tyndall.af.mil

- **83 FWS Division Chief of Analysis**
  - Capt Jesse “Magoo” Proctor
  - Jesse.proctor@tyndall.af.mil