

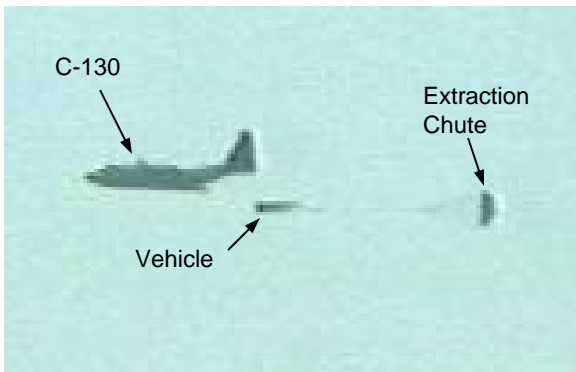


Air Launched Target Vehicle

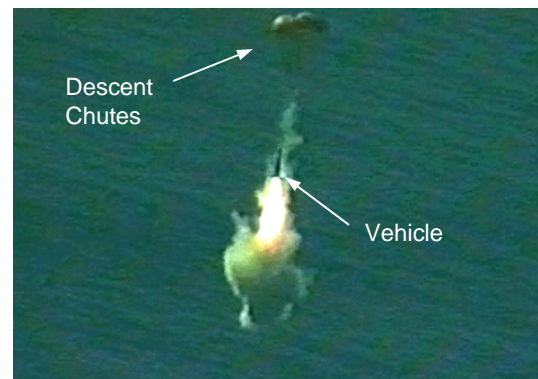
Space Vector has the distinction of being the first company to air launch a Minuteman based target vehicle. The single stage AltAir vehicle was developed by Space Vector for the United States Air Force to demonstrate the feasibility of the air drop concept with emphasis on:

- 1) Safe ejection and chute deployment
- 2) Precise initialization of the inertial navigation system while airborne using GPS
- 3) Correcting position and velocity errors inherent in a launch from a mobile platform

The SR19 boosted vehicle is used for short range target launches from both fixed and mobile based platforms. Medium to long range missions are handled by the Space Vector two-stage ait-2 vehicle (Castor® IVB/M57).



Vehicle Extraction



Vehicle Ignition

Features:

- Single stage suborbital launch vehicle
- Flight proven INS/GPS
- Post boost 3 axis attitude control
- Demonstrated unitary and separating target configurations
- Variety of payload shrouds and split fairings
- Launch from stool, rail or air drop from C-130
- Horizontal buildup on Space Vector designed transporter erector or palletized extraction system
- Launch services including payload integration provided by experienced Space Vector launch team



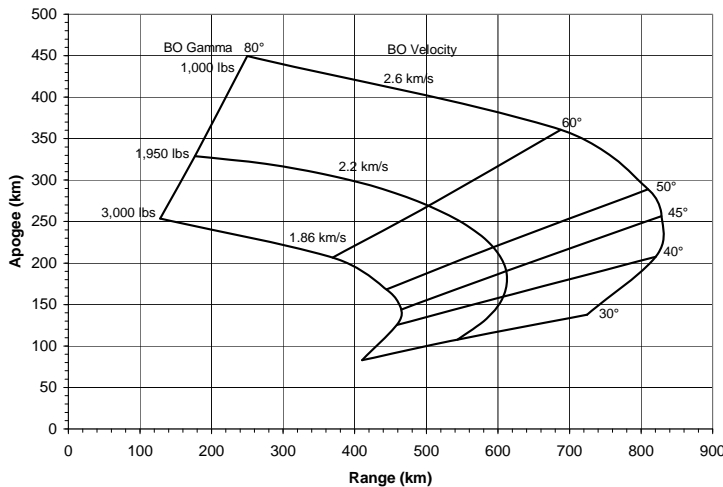
Air Launched Target Vehicle

Specifications:

- Single Stage SR19 Motor with flexseal nozzle and thrust vector actuation system
- 28 foot length using Ballistic Reentry Vehicle
- 32 to 38 inch payload section
- 1,000 to 3,000 lb payloads
- 18,000 to 20,000 lb gross vehicle weight



AltAir on Palletized Extraction System



AltAir Delivers 1,000 lb Payloads to 830 km Range



Space Vector Launch Crew in C-130 Aircraft

