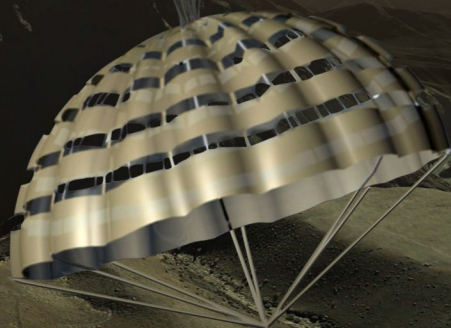


# "Fly It Again SAM"



## MAST-M

**Surrogate MANPADS Missile Systems for  
Test and Evaluation of Aircraft Survivability Equipment**

- **High fidelity surrogate MANPADS**
  - Signature matching
  - Trajectory and velocity matching
  - Threat seeker and guidance sections
  - Real IRCM responses
- **Recoverable, reusable design**
- **Collision avoidance and recoverability provide for low cost non-destructive flight testing against installed ASE**
- **Quick 4 hour turn-around between flight tests**



# MAST-M

## Missile Airframe Simulation Testbed MANPADS

### Actual Threat MANPADS Seeker/Guidance Section

### Avionics

- 2.5" form factor
- Custom flight computer
- GPS and IMU
- Guardian collision avoidance
- Data collection
- Telemetry

### Recovery

- Mid-body separation joint
- Parachute recovery

### Solid Rocket Motor

- Real MANPADS motors, or
- Surrogate motors that replicate MANPADS performance & signature

For More Information Contact:

Jim Clements,  
MAST-M Program Director

US Army AMRDEC,  
Redstone Arsenal, AL

Ph: 256-876-8109

Email: [Jim.Clements@us.army.mil](mailto:Jim.Clements@us.army.mil)

[www.aegistg.com/pdfs/MAST-M.pdf](http://www.aegistg.com/pdfs/MAST-M.pdf)

