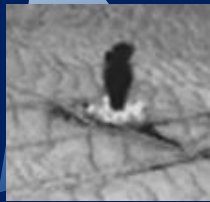
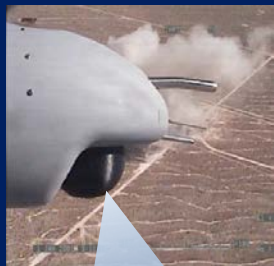




WMD Aerial Collection System (WACS)

Provides a new unmanned capability to assess the presence of airborne CBRN material following counterforce strikes or natural disasters and can potentially support force protection missions



WACS Detecting Explosion



WACS Integrated on US Army RQ-7B Shadow

- An “all-in-one” system for assessment of airborne CBRN materials following combating WMD strikes or natural disasters
- Utilizes an Unmanned Aircraft System (UAS)-based solution to locate, intercept and collect aerial samples from a CBRN plume
- WACS in-flight detection reporting and collected samples processed by laboratory facilities will be used to assess strike effectiveness and potential collateral effects



Autonomous Plume Tracking

WACS for Shadow RQ-7B

- Two wing-mounted pods:
 - Tracker pod
 - Collector pod
- Specs for each pod:
 - 20 pounds
 - 7.5” diameter
 - 42” length



Chemical Battalion Removing and Securing WACS Samples



WACS Samples are Processed in a Laboratory for Confirmatory Analysis