



# ASPECT



AIRBORNE SPECTRAL PHOTOMETRIC ENVIRONMENTAL COLLECTION TECHNOLOGY



**RAPID DEPLOYMENT:** WHEELS UP IN ONE HOUR  
AVAILABLE 24/7/365 FROM TEXAS



BEGINS COLLECTING DATA WITHIN THE CONTINENTAL US  
**WITHIN 0-9 HOURS OF ACTIVATION**



**FAST TURNAROUND:** PROVIDES DATA SNAPSHOTS TO  
CUSTOMER WITHIN MINUTES OF COLLECTION



**ALOFT TIME:** UP TO SIX HOURS



**AIRBORNE STANDOFF DETECTION AND SURVEILLANCE**  
PROVIDES WIDE-AREA COVERAGE AND CAN BE USED TO  
HELP DIRECT GROUND-BASED AIR MEASUREMENT



**NEAR REAL-TIME DETECTION** FOR MORE THAN 75  
CHEMICALS, MANUAL POST-COLLECTION DATA  
PROCESSING FOR MORE THAN 500 CHEMICALS



**CUSTOMER-DRIVEN:** TAILORS MISSIONS TO MEET  
CUSTOMER NEEDS



**RADIOLOGICAL CAPABILITIES:** GAMMA AND NEUTRON  
DETECTION, INCLUDING GAMMA SPECTROSCOPY



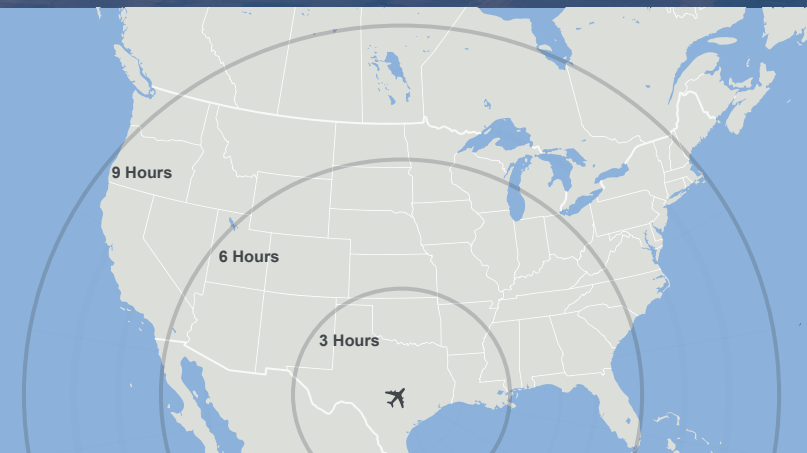
**CHEMICAL CAPABILITIES:** PLUME IMAGING, COMPOUND  
IDENTIFICATION, AND ESTIMATED CONCENTRATION



**OIL CAPABILITIES:** DIFFERENTIATES BETWEEN OIL SHEENS  
AND RECOVERABLE OIL ON OPEN WATER EVEN IN LOW-LIGHT  
CONDITIONS



**IMAGING CAPABILITIES:** HIGH-RESOLUTION ORTHOGONAL  
AND OBLIQUE AERIAL PHOTOGRAPHIC CAPABILITIES  
AND THERMAL IMAGING CAPABILITIES UP TO 200°C AT A  
RESOLUTION OF .05°C



## ASPECT SUPPORTS:

- ✈ **Homeland security incidents**
- ✈ **Environmental emergencies** (e.g., oil spills, chemical fires, chemical & radiological releases)
- ✈ **Natural disasters** (e.g., hurricanes, wildfires)
- ✈ **Pre-deployments** (e.g., National Special Security Events)
- ✈ **Radiological surveys**
- ✈ **Superfund site characterizations**

REQUESTED BY CALLING THE CBRN CMAT 24/7 PHONE DUTY OFFICER AT **(202) 250-8770**

FOR MORE INFORMATION, EMAIL [CMAT@EPA.GOV](mailto:CMAT@EPA.GOV) OR GO TO

[EPA.GOV/EMERGENCY-RESPONSE/CBRN-CONSEQUENCE-MANAGEMENT-ADVISORY-TEAM](https://www.epa.gov/emergency-response/cbrn-consequence-management-advisory-team)