AIR TEAM
ATMOSPHERIC THREAT PROTECTION

United States Air Force Research Laboratory, AFRL/MLQ

EXPERTISE

Air Team's skills and products are designed to address a wide spectrum of Air Force and DoD needs involving atmospheric chemistry. Customers come to Air Team to find out:

… What chemicals are emitted?
… How long do they persist?
… How do they transform?
…What products do they form?

Our products allow our customers to develop a *complete* picture of potential atmospheric threats, filling critical knowledge gaps that can mean the difference between success and failure.

RESOURCES

Air Team uses custom-built chambers and a suite of chromatographic and spectroscopic instruments to characterize emission profiles and to provide precise information on the kinetics and transformation mechanisms of target compounds whether they be warfare agents, toxic materials, or regulated pollutants.

Air Team recognizes the importance of both daytime *and* nighttime reactions in the atmosphere and has facilities to address the unique chemistry of both of these scenarios.

POINTS of CONTACT

Weapons Systems Logistics Branch
Ph: (850) 283-6059
ML Technology Information Center
Ph: (937)255-6469

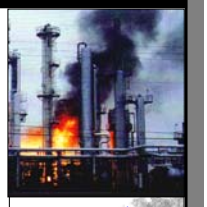
Atmospheric Threat Protection

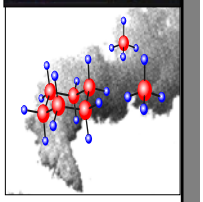
Toxic Gases (TIMs)

Counterproliferation

Chem/Bio Defense

Modeling Support





Air Team focuses on atmospheric threat protection and has proven expertise in the atmospheric transformation of volatile materials, answering questions for the chem/bio and materials communities such as:

What is the chemical's atmospheric lifetime?

What will it transform into?

Air Team enhances force protection by:

- **Closing gaps** in understanding airborne threats with detailed information on the atmospheric behavior of chemicals;
- **Improving response** to toxic industrial material threats;
- **Reducing decontamination and recovery time** through a better understanding of how contaminated surfaces interact with the air;
- **Improving accuracy** and **reducing risk** in hazard response models.

Air Team helps complete the picture in Atmospheric Threat Protection

http://www.ml.wpafb.af.mil/mlq/