



FEMA



NNSA  
National Nuclear Security Administration



# WINGS

## Aerial Response Exercises

Location TBD

June 2016



# WINGS



**Local emergency responders** will most likely be the **first on scene** at a radiological incident.



Dependent of the size of the response, **the need for additional aerial assets** may be great



To achieve a **seamless integration of all aerial assets** into a unified response



To **improve aerial emergency response techniques** and **establish working relationships with responding agencies**

WINGS is designed to be a series of tabletops and field exercises to aid in effective collaboration of multiple aerial radiation detection assets.

*"We train as we fight and we fight as we train"*



# WINGS

2014 2015

## Full Scale Exercises



**Real-time** development of a **response plan**



Exercise an **Incident Command Structure**



Coordination and prioritization of **multiple aerial assets**



**Conduct measurements of actual contamination**



**Establishment** of a Concept of Operations document



**Exercise** the Aerial CONOP process



Development of a **joint map product** from all aerial assets



# WINGS

2014 2015

High Priority



Establish working relationships with responding agencies

**A+** **A+**



Established a good working foundation between multiple aerial assets during a nuclear response mission.



Plan to **improve on mission prioritization** specific to asset specialization and **final products**.



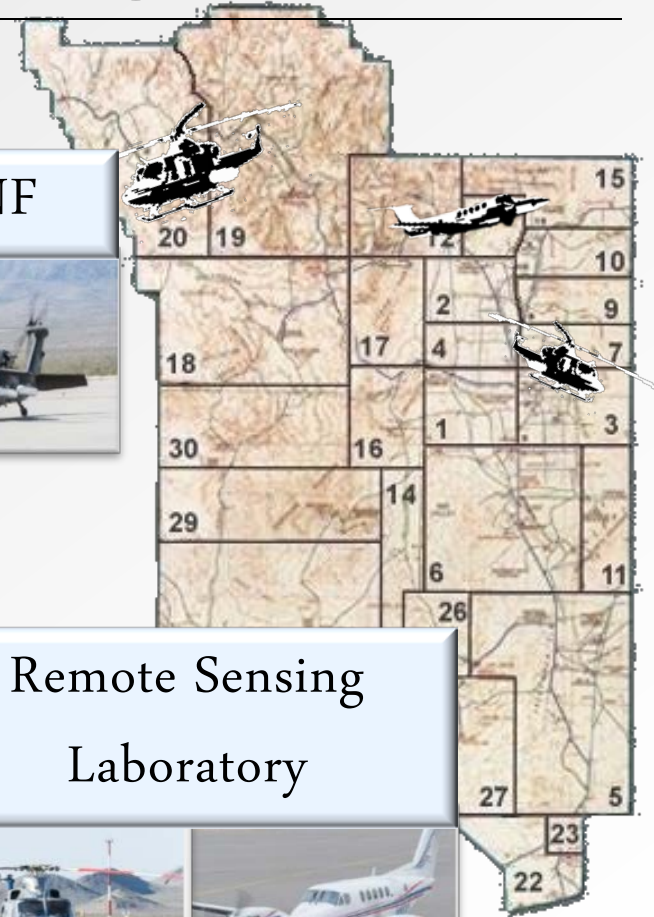
# 2014 Participants

Customs Border and Protection

& AMS Region 3



NTNF



Los Angeles Sheriff's  
Department



Las Vegas ARMOR



Remote Sensing  
Laboratory



Participants: 100+

7 + Aircraft





# 2014 Execution

DAY 2 - 4

Tuesday, March 25 – Thursday, March 27, 2014

## LOGISTICS

### FULL SCALE EXERCISE

(DESERT ROCK AIRPORT)

- MISSION ASSIGNMENTS
- MISSION PLANNING
- FLIGHTS APPROVED BY AIR BOSS
- BRIEFINGS

## MEDIA



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# WINGS 2015 Participants

Customs Border and  
Protection & AMS Region 3



Florida Highway Patrol &  
Bureau of Radiation Control



EPA



Philadelphia Police  
Department



NTNF/ARMY



RSL



Participants: 100+

8+ Aircraft





# 2015 Summary

## SUPPORTED NATIONAL LEVEL S.C. EXERCISE: SOUTHERN EXPOSURE (SE15)



**PARTICIPANTS:** 95+  
**AIRCRAFT PRESENT:** 10

**FIXED-WING:** 6

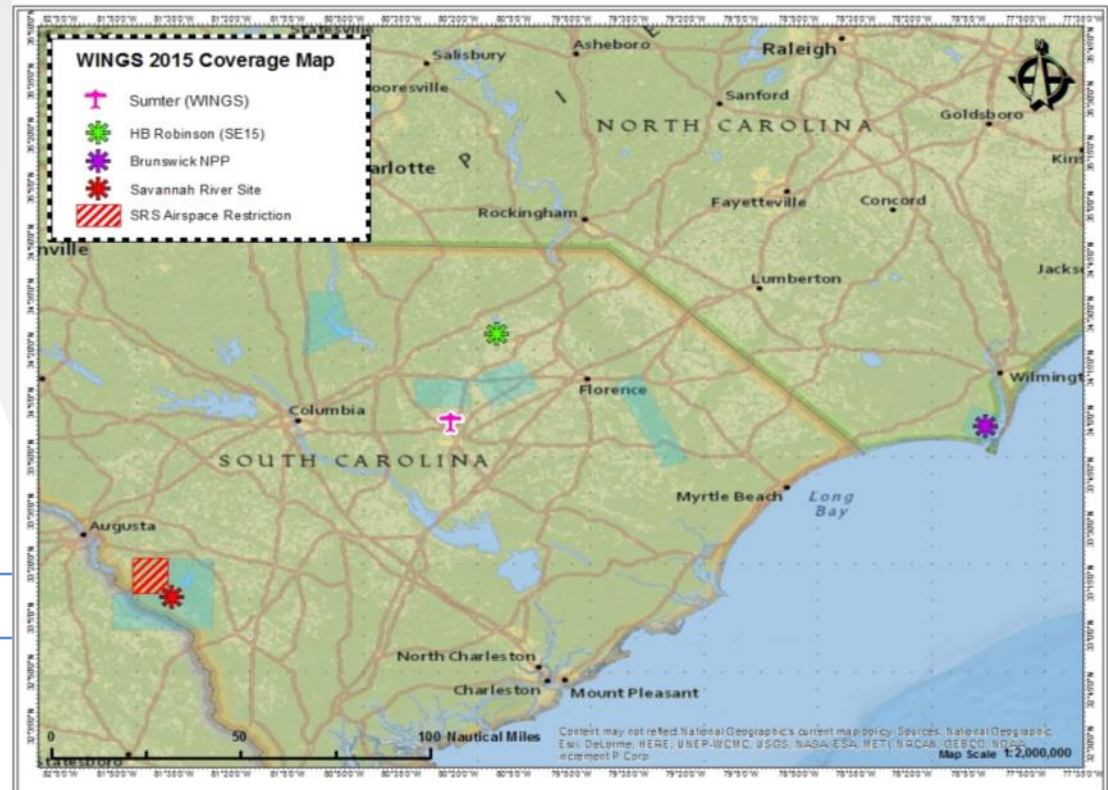
**HELICOPTER:** 4

**AERIAL MISSIONS:** 32

**ALTITUDE SPIRAL:** 8

**SE15 FLIGHTS:** 10

**FLIGHT HOURS:** ~ 75



\* 1 helicopter down for maintenance



# Questions?



# 2015 Execution

DAY 1

Monday, July 20, 2015

## AIRCRAFT ARRIVE



## REGISTRATION & BRIEFINGS



## PIC MEASUREMENTS



## MARS REFRESHER



# 2015 Execution

DAYS 2 - 4

Tuesday – Thursday , July 21 - 23, 2015

## FULL SCALE EXERCISE



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# WINGS

2014 2015

## Feedback – Most Commented



Interaction with other Federal and local agencies



Ability to learn other and observe limitations of system(s)



Access to areas containing real activity



**Need for situational awareness**



MARS training is appreciated and/or requested



More time designated for briefings



Roles & Responsibilities of a RNAC needs to be defined



# WINGS 2016 (JUNE)

## Focus



Exercise the Aerial CONOP and SOP



Multi-Agency data collaboration and integration



Prioritization of missions for data collection needs



Selection and implementation of the **RNAC**



**Improve the situational awareness** for assets/participants



**Implementation of direction through a “FRMAC”**



Monitoring Manager will interact with players

