

## Fire & Aviation Management

# 2014 INFRARED OPERATIONS REVIEW



---

PROVIDING SAFE, YEAR ROUND, ON DEMAND, IR RECONNAISSANCE

## Fire & Aviation Management

# INFRARED OPERATIONS

January to November



## Fire & Aviation Management

### FIRST FIRE FLOWN: 18 January; Colby, California



## Fire & Aviation Management

**LAST FIRE FLOWN:**

**24 November; King, California**





## Fire & Aviation Management

### 2014 IR TRIVIA

- States Flown in 1 Night: 5
  - Most Fires/Complexes Flown in 1 Night: 23 (44Z)
  - Largest Fire in WA History: Carlton 256,108 ac
  - Longest Night Mission: 7.8 hours; 3 Fuel Stops (11x)
  - Most Northern IR Operation: Northern Washington
  - Most Southern IR Operation: Southern Arizona
  - States Flown During This Fire Season:
    - AZ, CA, CO, ID, MT, NM, OR, UT, WA, WY, NV
  - 149Z and 144Z Flight Hours – 871 to date
-

# USDA Forest Service

*Caring for the land and serving people*



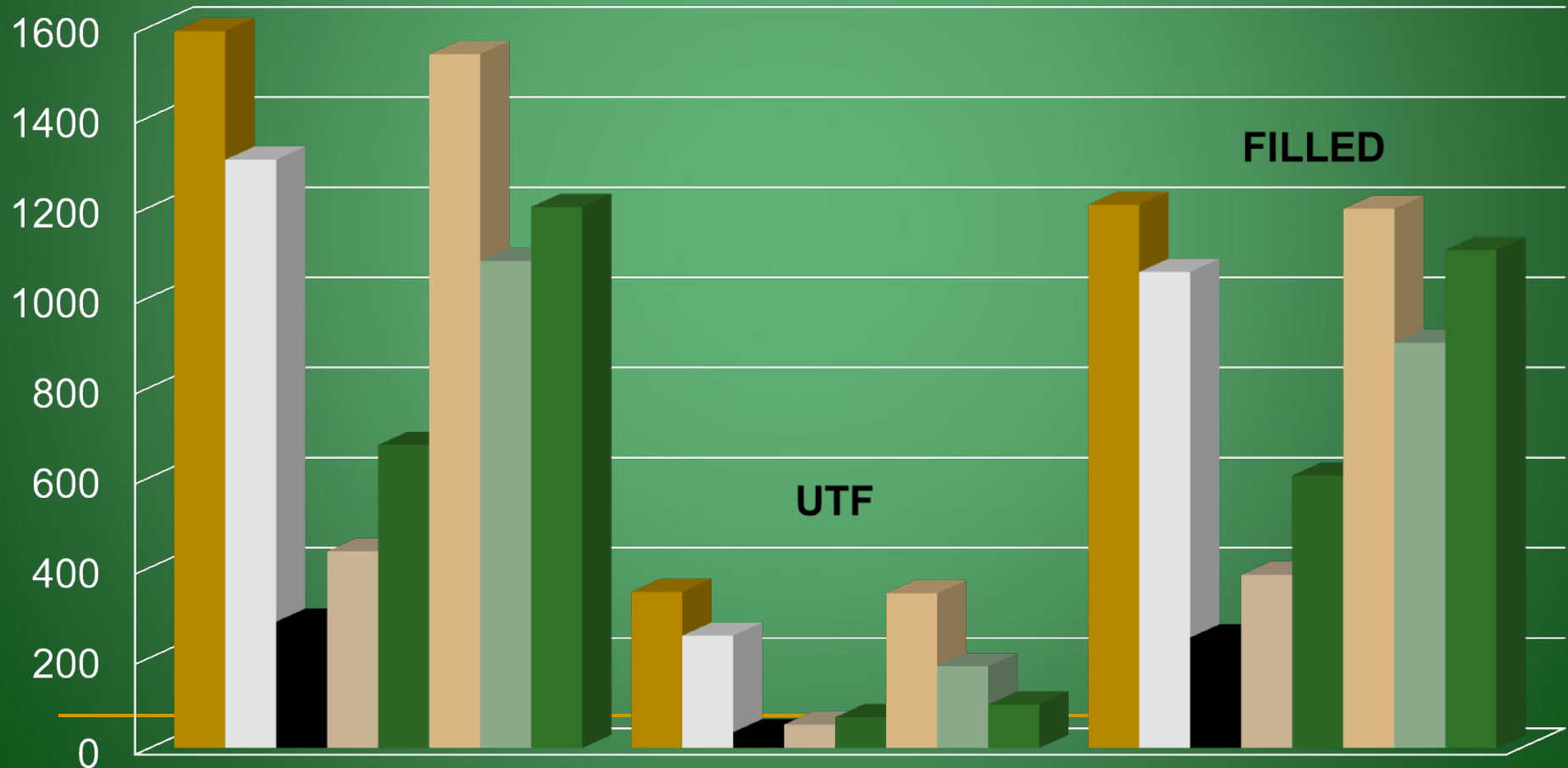
## Fire & Aviation Management

### IR REQUESTS LAST 8 YRS

ORDERED

FILLED

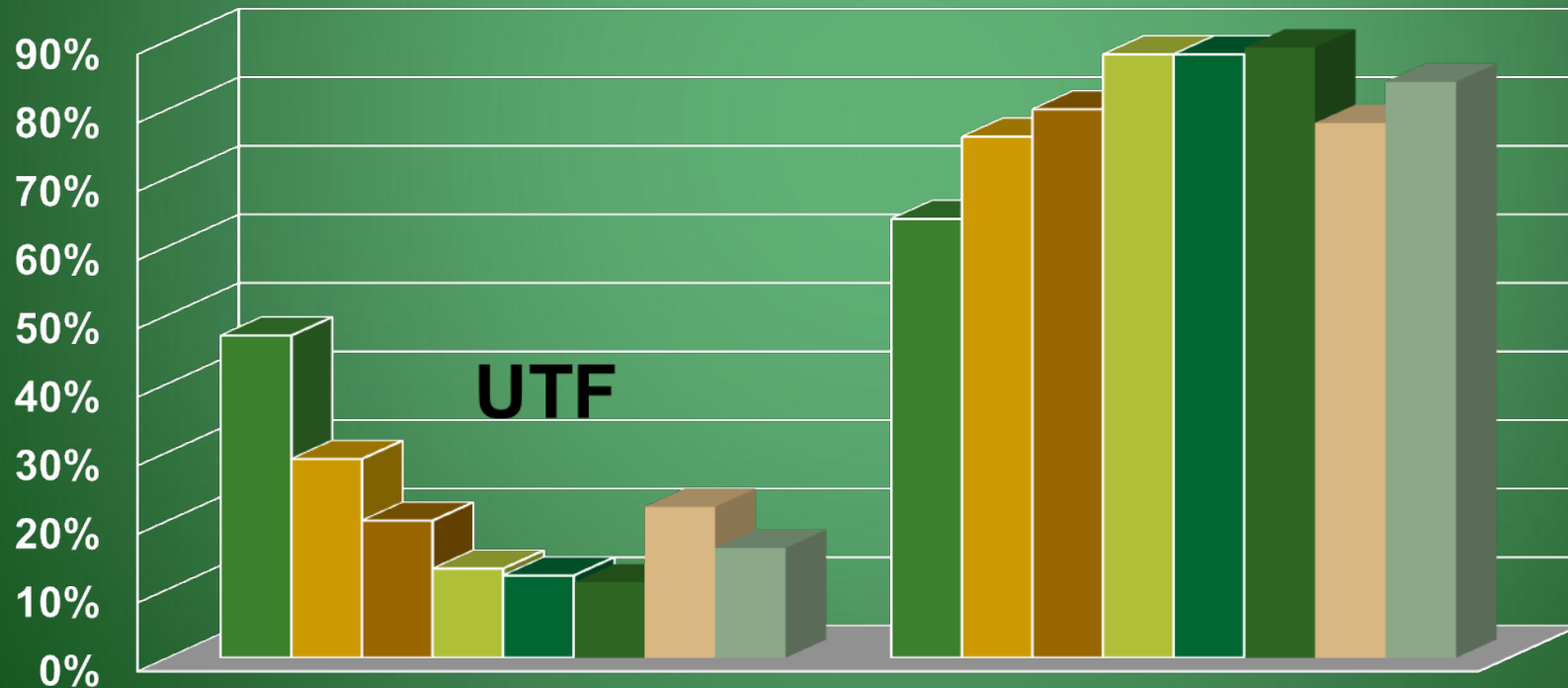
UTF



## Fire & Aviation Management

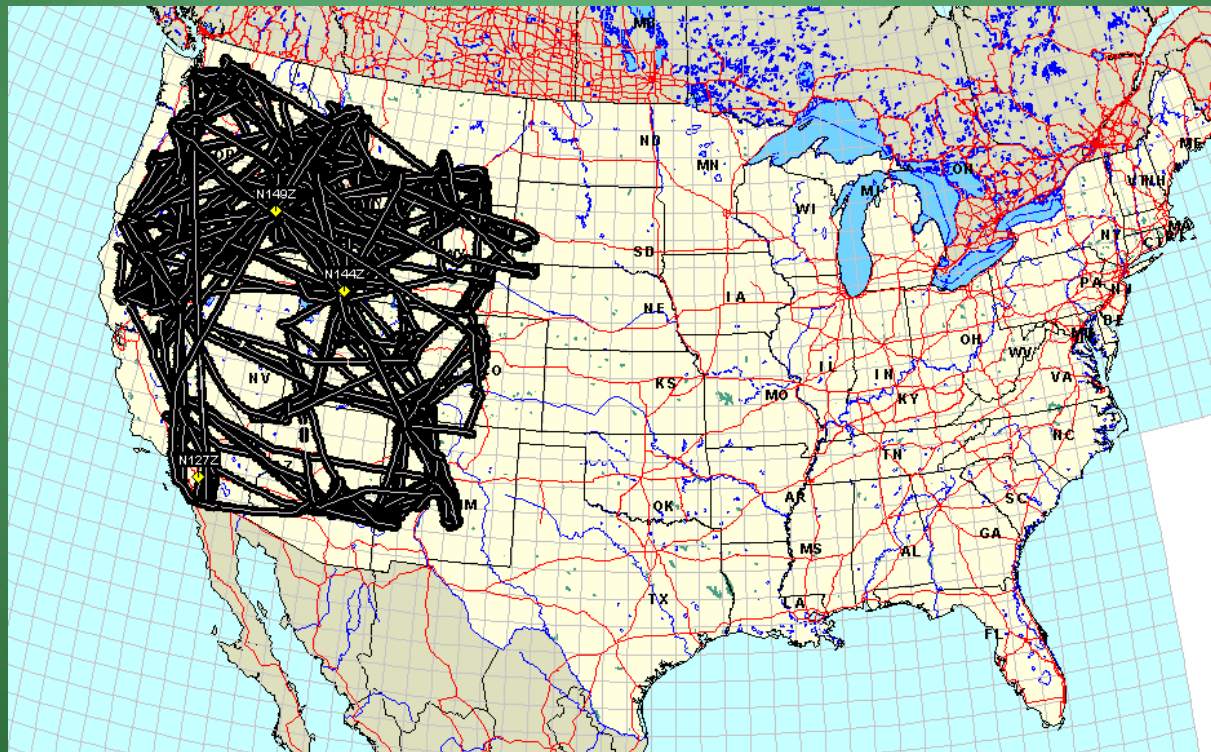
### IR REQUESTS

### FILLED



## Fire & Aviation Management

### Automated Flight Following History 44z





## Fire & Aviation Management

### N144z

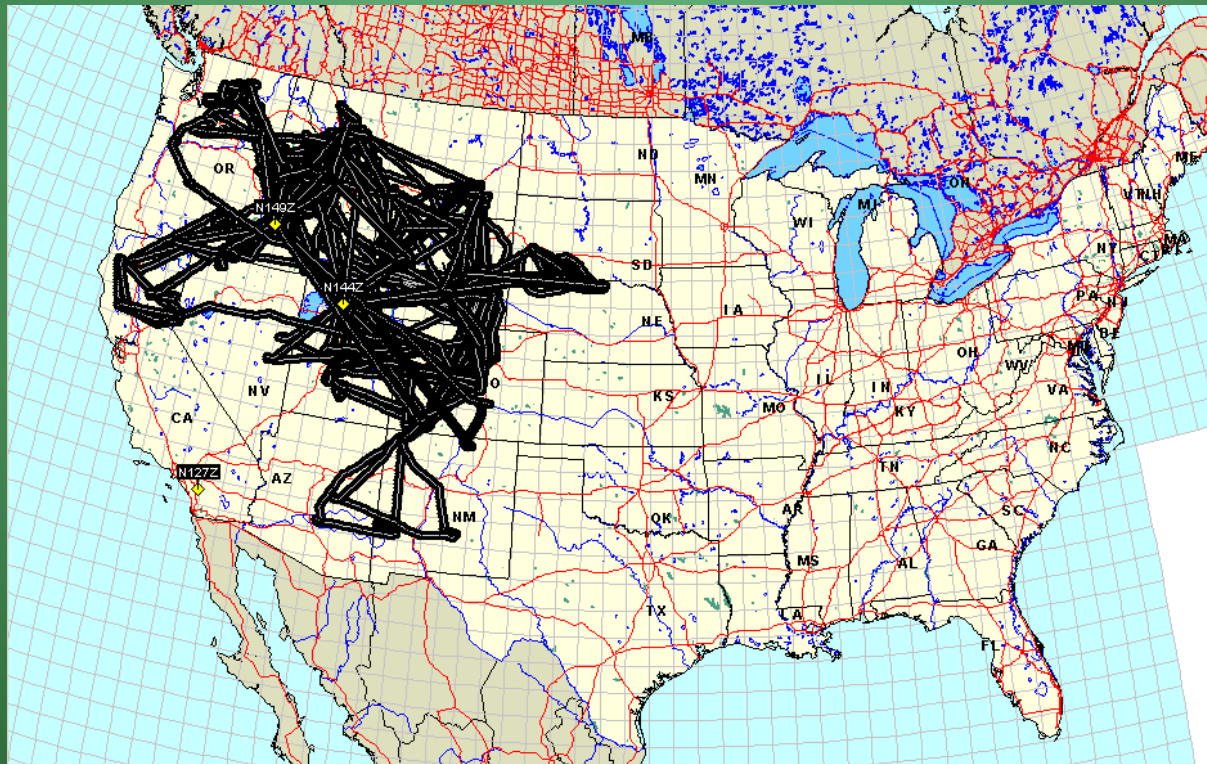
- **Planned Maintenance**
- **Time remaining until phase 146.8**
- **2015 Hourly rate \$1710 per hour**

---

Hobbs time between phase for CE550 150 hours.

## Fire & Aviation Management

### Automated Flight Following History 49z



## Fire & Aviation Management

### N149z

- **Planned Maintenance**
- **Right engine overhaul**
  - Time remaining on engine 68.4
- Time remaining until phase 182.3
- 2015 Hourly rate \$1100 per hour

---

Hobbs time between phase for BE200 200 hours.



## Fire & Aviation Management

### INFRARED PILOTS 2014

**Dan Johnson Supervisor**  
**08/2006**  
**44Z & 49Z**

**EMPTY FTE  
Contractors**

Pete Meyer 2014  
120 days

**EMPTY FTE  
Contractors**

Jim Rozman 2014  
90 days

**Don Boyce**  
**05/2008**

**44Z & 49Z**

**Ed Netcher**  
**08/2012**

**49Z & 44Z**

**DEVELOPMENT  
PILOT**

**N149Z**  
Andre Mascheroni  
120 days

## Fire & Aviation Management

# What did we learn

- **Staffing / Contracting: 2 pilots (90 days, 120 days)**
    - Time consuming, difficult, 4 certs, 1 contractor late show due to availability; however, everyone pulled together to make it work
    - Training was accomplished and contractors were deployed within 10 days of arrival
    - Dan Roth and Karen Mark were outstanding in solving many, many pay & policy issues
-



## Fire & Aviation Management

# What did we learn

- **Developmental pilot**
    - Second year detail pilot, minimal training
    - Valuable knowledge of Forest Service policy and procedures
    - Increased interest of new pilots year after year
    - Creating optional career ladders for firefighters
    - Continuing diversity of experience
    - Utilizing practical fire fighting experience
-

## Fire & Aviation Management

# What did we learn

- **System and Technology Advancements**
    - Continued refinement of the product via electronics and software enhancements
    - Type 3 utilization more and more
    - NASA collaboration continuance
    - Expanding Ipad usage for
      - safety and efficiency
      - automation and situational awareness
-

## Fire & Aviation Management

### Improvements / Focus Areas for 2015

- **FTE(s) replacing contract pilots**
    - **Continuance of Pilot Developmental Program**
    - **System and technology Advancements**
      - **Phoenix System**
        - **Phoenix System Enhancements**
      - **Continued advancement of Ipad Utilization and Web access**
      - **Purchase of Night Vision Monocular's for both aircraft**
      - **Remote access to Google Calendars, Crew and Aircraft Status**
      - **One charge code for 7 day coverage**
-

## Fire & Aviation Management

### Improvements / Focus Areas for 2015

- **Early Season Mission Planning**
  - 15 April FMC (crew and aircraft)
  - Keeping one aircraft FMC year round
-

# Any Questions?



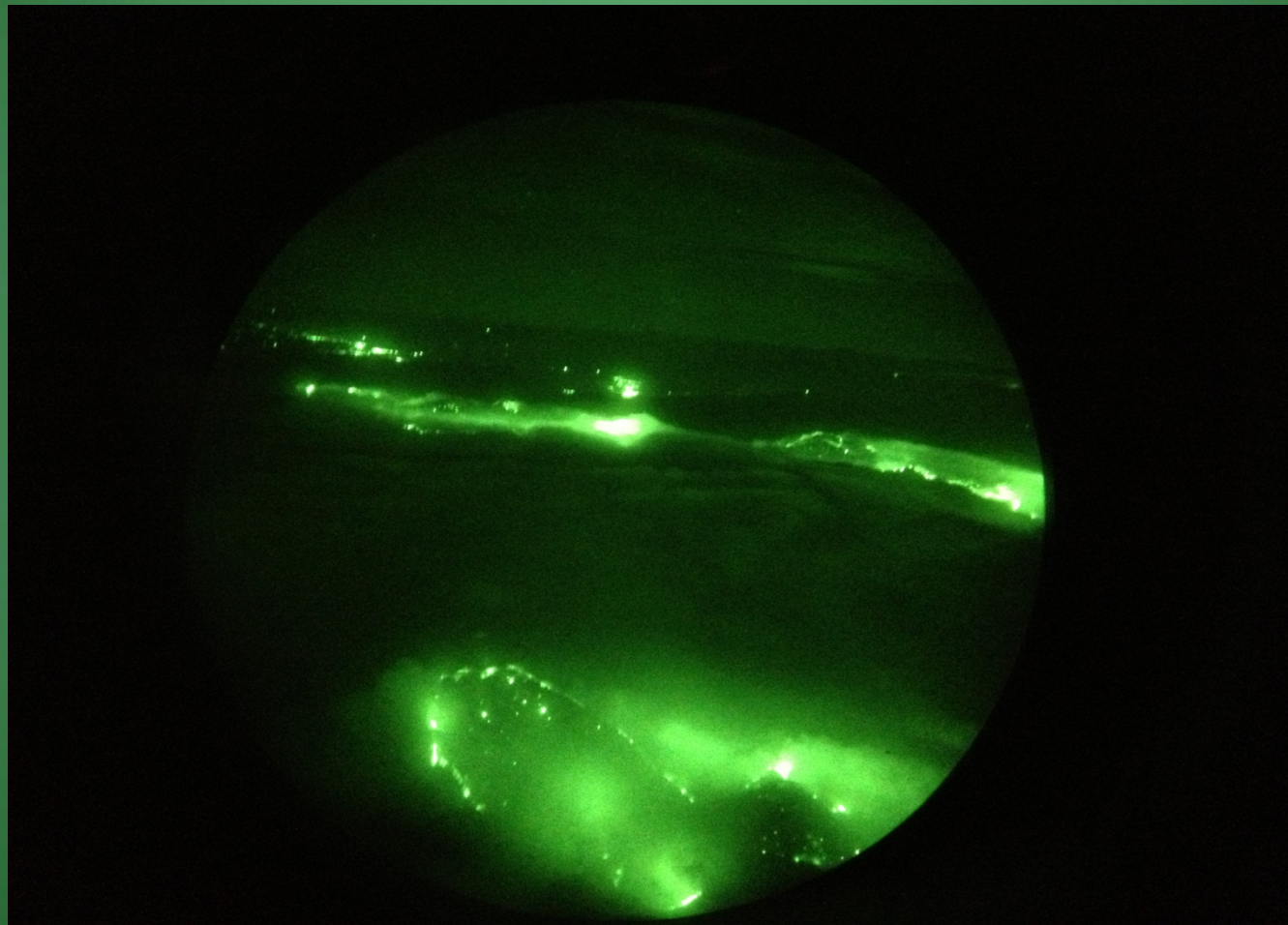


# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management



# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management





# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management



# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management





# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management





# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management

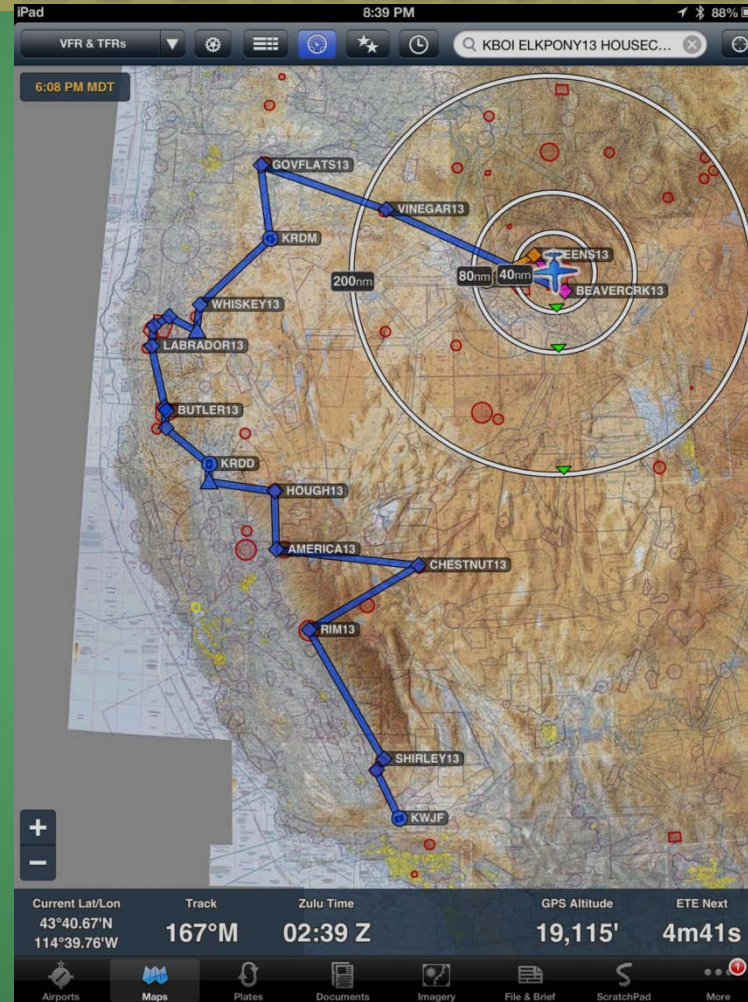


# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management

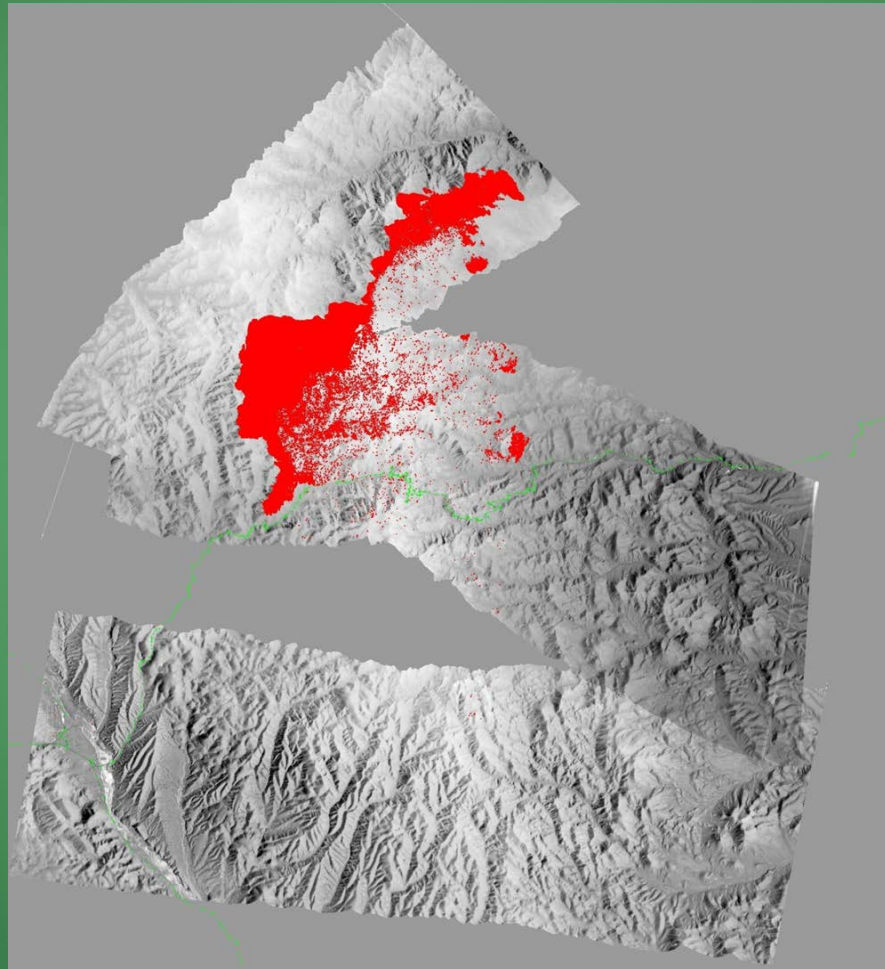


# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management





# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management



# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management





# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management



# USDA Forest Service

*Caring for the land and serving people*



## Fire & Aviation Management

