

Fire & Aviation Management

2016 IR OPS SUMMARY



PROVIDING SAFE, YEAR ROUND, ON DEMAND, IR RECONNAISSANCE

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INFRARED OPERATIONS

April to October



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FIRST FIRE FLOWN:

■ ELK HILL FIRE

21 APR 2016



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LAST FIRE FLOWN:

■ JUNKINS FIRE

28 OCT 2016



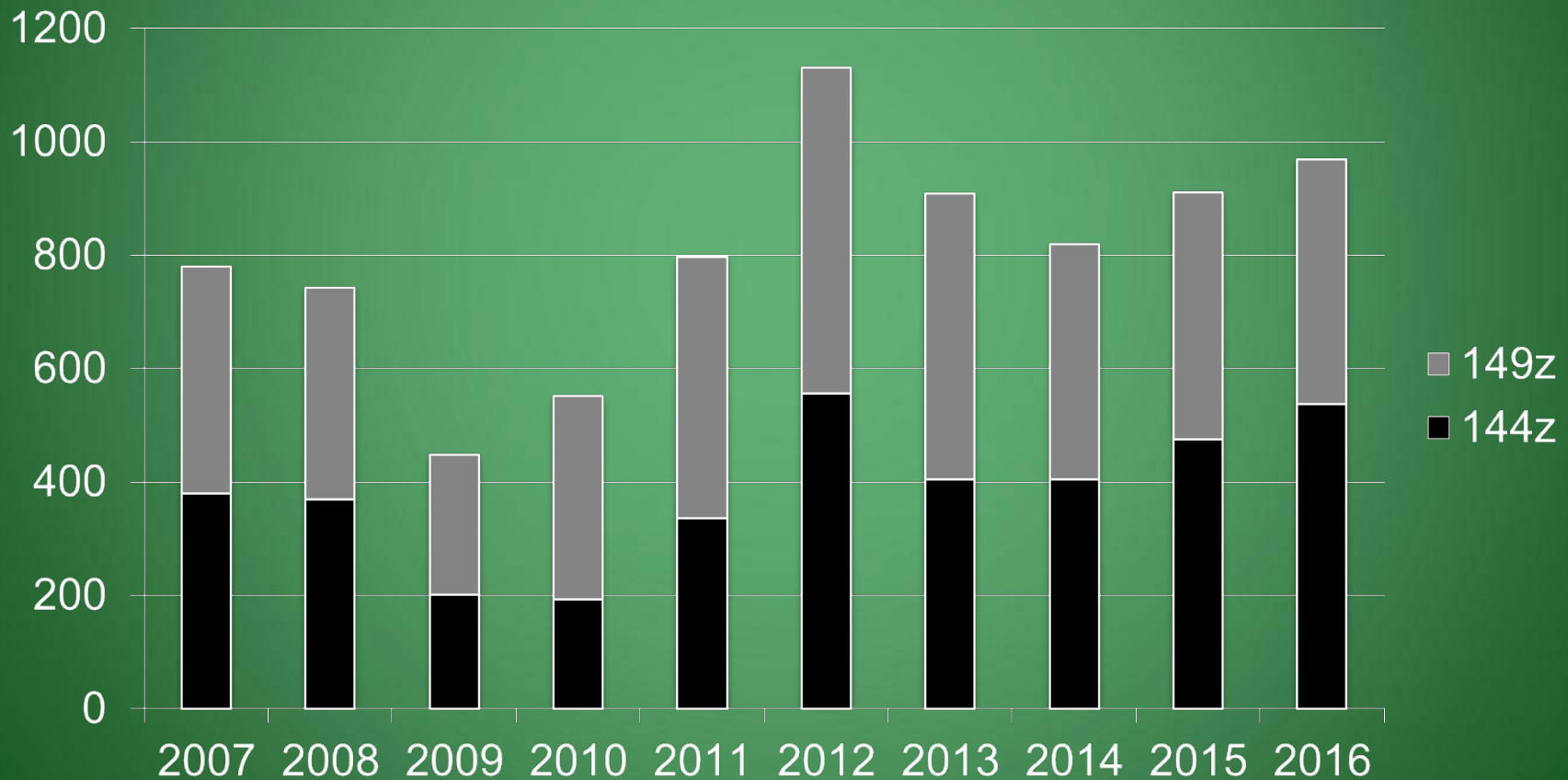
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2016 IR TRIVIA

- States Flown in 1 Night: 5
 - Most Fires Flown in 1 Night 44z & 49z : 25
 - Most Fires Flown in 1 Night 1 A/C 49z : 22
 - Largest Fire: SOBERANES 132,127 acres
 - Longest Night Mission: 7.9 hours; 3 Fuel Stops
 - Most Southern IR Operation: Southern Arizona
 - States Flown During This Fire Season:
 - AZ, CA, CO, ID, MT, NM, OR, UT, WA, WY, NV
 - 144Z and 149Z Flight Hours – **970** IR hrs to date
-

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Total Flight Hours 2007 - 2016



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Aircraft 44z Maintenance

- Phase maintenance time frame 150 hours
 - 0 hours before 30 hours after
 - 3 to 5 days for each phase longer if damage found

 - 44z phase I thru IV 02/29 – 04/16
 - 44z Phoenix installed 05/11
 - 44z phase I & II 07/02 – 07/04
 - 44z phase III & IV 09/09 – 09/13
 - 44z out of svc CDU fail 10/11 – 10/19
-

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Aircraft 49z Maintenance

- Phase maintenance time frame 200 hours
 - 20 hours before 20 hours after
 - 3 to 5 days for each phase longer if damage found

 - 49z new avionics G1000 install 01/01 – 03/08
 - 49z Phoenix installed 04/08
 - 49z landing gear replacement 05/20 – 06/30
 - 49z phase IV 07/26 – 07/28
 - 49z phase I & II 09/24 – 09/27
-

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Aircraft Updates

GARMIN G1000 UPGRADE

- team viewer (automation)
- aircraft SA (wx, runways, etc.)

AMS continued development

2017 projected aircraft rates: (no change)

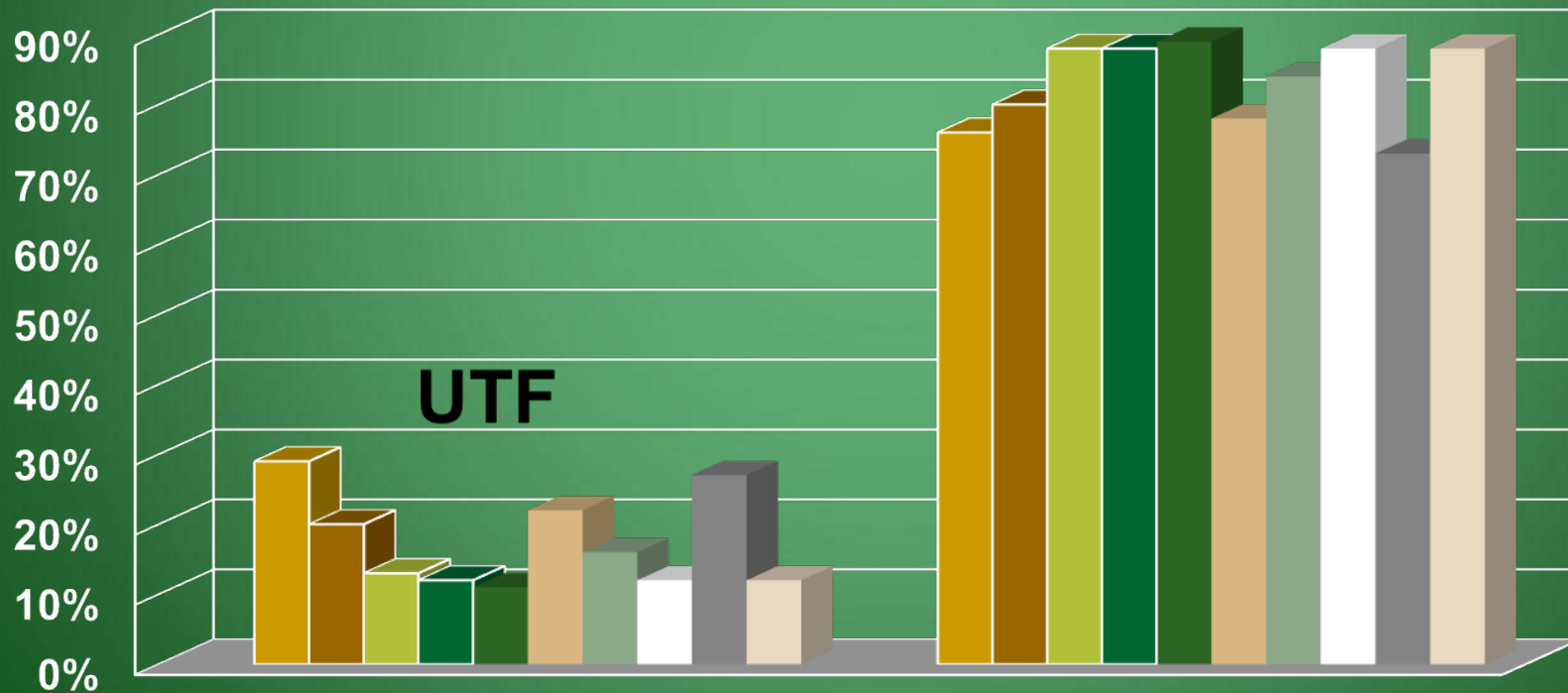
44Z \$1850

49Z \$1250

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IR REQUESTS (last 10 years)

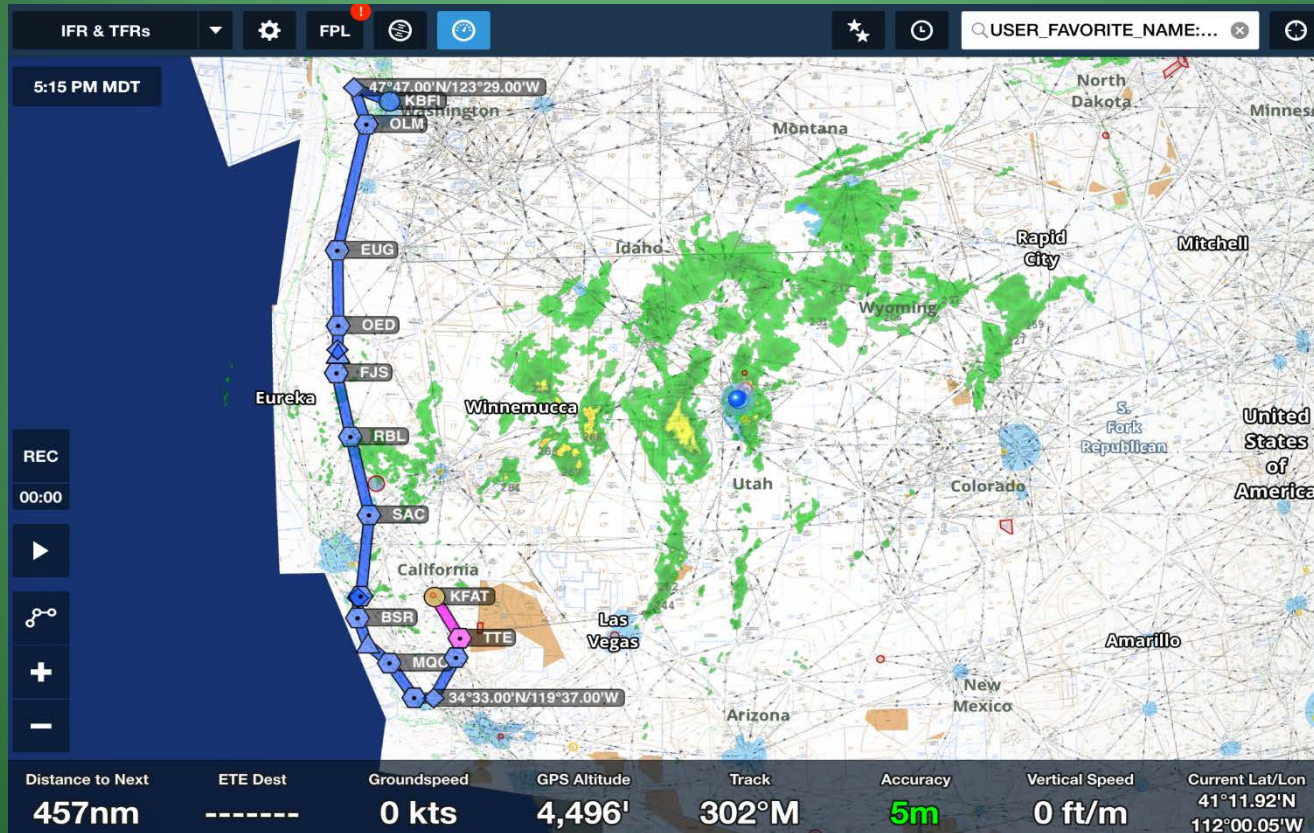
FILLED



2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

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Typical Flight Track 44z





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INFRARED PILOTS 2016

Dan Johnson Supervisor

08/2006

44Z & 49Z

Kris Nelson

06/2016

44Z

Matt Smith

7/2016

49Z

Don Boyce

05/2007

44Z & 49Z

Ed Netcher

08/2012

49Z & 44Z

Jack

Lowrey

05/2015

44Z & 49Z

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What did we learn

- Weekly conference calls effective for SA
 - Winter maintenance critical for fire readiness
 - New hire pilot's addressed pilot shortage
 - RTB Ogden provided maintenance time to progressively clear aircraft squawks
-

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Thanks to for a successful season....

Relief Pilots Essential for aircraft staffing

- Sam Ramsay, RAO
 - Jeff Watts, AMI
 - Dina Elosiebo, WO Aviation Management
 - RSAC & Aircraft 3
 - NICC
 - WO
 - SUPPORT STAFF
 - IRINS
 - MAINTENANCE STAFF
-

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What's Next ...

- Continuance of Pilot Developmental Program
 - Continued Advancement of iPad Utilization and Web Access
 - Continued testing of remote operation with Phoenix System via WIFI
 - Complete speed vs altitude test in both aircraft
-

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What's Next ...

- Continued development and spring deployment of the AMS Sensor
 - 15 MAR one aircraft FMC (crew, equipment, aircraft)
 - Updated NIROPS Guide Published
 - Continued flight training is scheduled for 2017 for FTE and developmental pilots
-

Any Questions?



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VIEW FROM THE OFFICE

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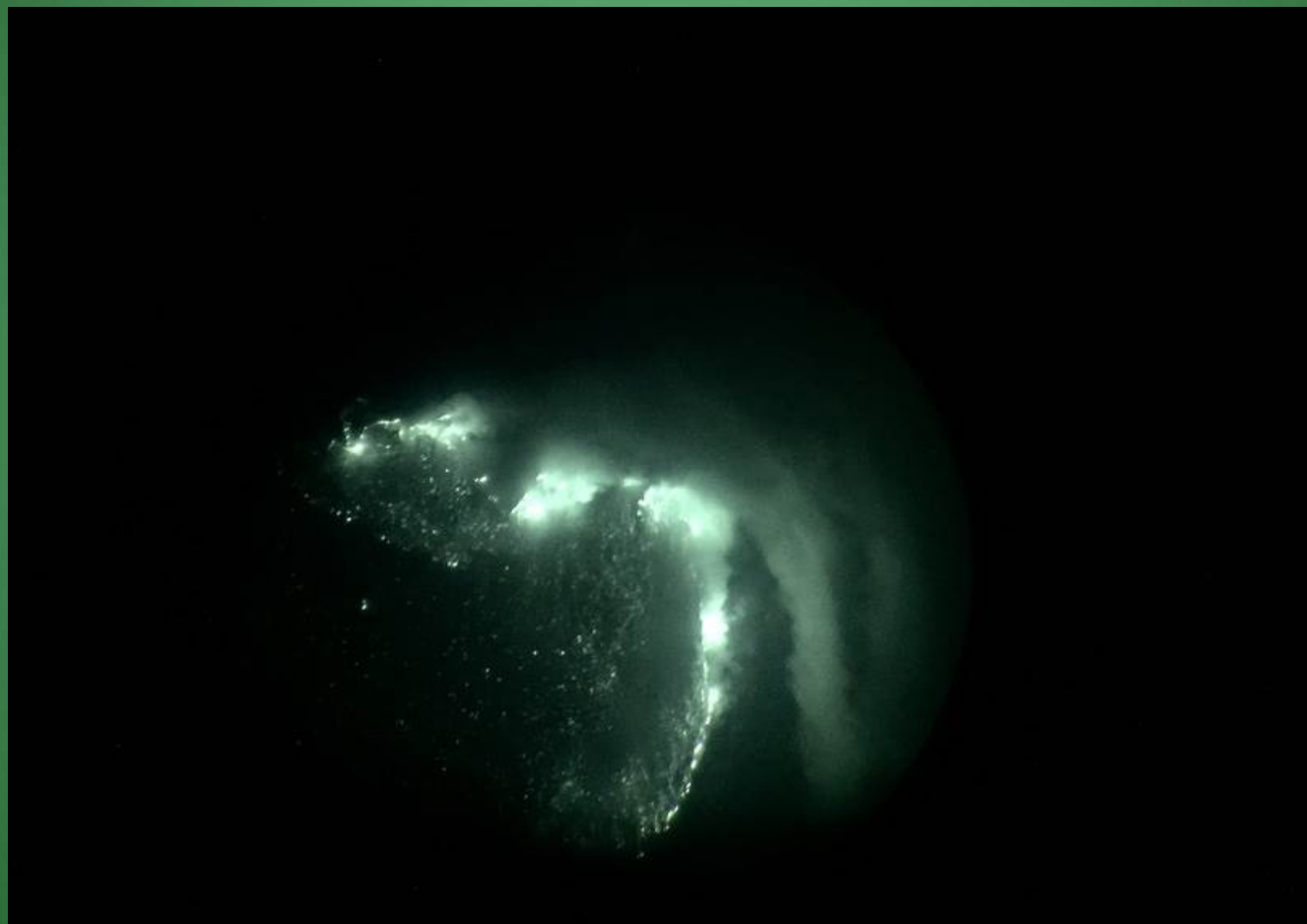
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Sunset over Idaho



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Cedar Fire

Arizona June 19th

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Above the storm through the night vision

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Soberanes early August

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Landing Las Vegas for fuel

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44z crew

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Windy Day Laramie, WY July 24th Smith and Netcher

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Weather going south around Las Vegas

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Weather going south around Las Vegas out the window

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RAMSAY – RAO / IR Relief Pilot

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Flying Fall Fires

Weather trekking for fires

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Waiting on the bat's Carlsbad, NM

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Accommodations McCall, ID

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Future IR Pilots