2017 IR OPS SUMMARY

PROVIDING SAFE, YEAR ROUND, ON DEMAND, IR RECONNAISSANCE
INFRARED OPERATIONS
April to December
FIRST FIRE FLOWN:

- West Mims Fire (FL)  17 APR 2017
LAST FIRE FLOWN:

- Thomas

?? DEC 2017
2017 IR TRIVIA

- States Flown in 1 Night: 5
- Most Fires Flown in 1 Night 44z & 49z: 42 orders
- Most Fires Flown in 1 Night 1 A/C 44z: 46 orders
- Largest Fire: Chetco Bar
- Longest Night Mission: 7.9 hours; 2 Fuel Stops
- Most Southern IR Operation: Southern Florida
- States Flown During This Fire Season:
  - AZ, CA, CO, ID, MT, NM, OR, UT, WA, WY, NV, FL, GA, SC, VA, TN, NC
- 144Z and 149Z Flight Hours – 965 IR hrs to date
Total Flight Hours 2008 - 2017

- 149z
- 144z
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 brake replacement/fuel leak 05/08 – 05/22
- 44z Left bleed valve fail 06/08-06/23
- 44z phase maintenance 06/26 – 06/28
- 44z strobe glass failure 07/04 – 07/05
- 44z out of svc lightning strike 07/20 – 07/22
- 44z phase maintenance 08/14
- 44z GCU maintenance 09/22-
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 Phase 1 thru 5 required 01/01 – 03/19*
- 49z 15,000 hr wing pull inspection 04/15 – 05/07
- 49z phoenix installed 05/22
- 49z G1000 maintenance 06/01 – 06/08
- 49z phase maintenance 07/17 – 07/18
- 49z hot section inspection 07/30 – 08/16
- 49z electrical malfunction 09/02 – 09/04
- 49z phase maintenance 09/15 – 09/20
- 49z autofeather failure 09/23 – 09/24
Aircraft Updates

Aging Aircraft
- increased maintenance items
- some maintenance requiring engineering support from manufacturer

44Z Avionics upgrade

New Aircraft?

2018 projected aircraft rates:
- 44Z $TBD FY2017 $1850
- 49Z $TBD FY2017 $1250
Both prices are suspected to be lower in 2018
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Typical Flight Track 49z August
Typical Flight Track 44z
INFRARED PILOTS 2016

Dan Johnson Supervisor
08/2006
44Z & 49Z

Kris Nelson
06/2016
44Z & 49Z

Justin White
06/2017
49Z

Don Boyce
05/2007
44Z & 49Z

Ed Netcher
08/2012
49Z & 44Z

Sam Ramsay (RAO)
44Z & 49Z
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What did we learn

- IR reconnaissance demand exceeded capacity
- Weekly conference calls effective for SA
- Aging aircraft requiring more MX
- Relief Pilots Essential for crewing
  - Sam Ramsay RAO,
  - Jeff Watts Maintenance Inspector
Thanks to for a successful season....

- IR Technicians
- IRINS
- GTAC & Aircraft 3
- NICC
- WO
- MAINTENANCE STAFF
- SUPPORT STAFF
- TRAVEL Approvers
What’s Next …

- Address pilot shortage
- Renew pilot developmental detail
- Anticipate more maintenance requirements for aging aircraft
- Complete speed vs altitude test in both aircraft
What’s Next ...

- Continued development of the AMS Sensor spring 2018 deployment / testing
- 15 April one aircraft FMC (crew, equipment, aircraft)
- Additional Aircraft ??
Any Questions?
VIEW FROM THE OFFICE
Sunset over Idaho
Weather going south around Las Vegas
In the third grade, our teacher, said, "Quit staring out the window, because when you grow up, no one will pay you to sit there and just look out the window"...

Guess I showed her......