



2017 NIROPS National Summary

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NIROPS Closeout, NIFC, Boise

Some slides updated 1/5/18 with December 2017 fires

NATIONAL WELL OPERATIONS



2017 -

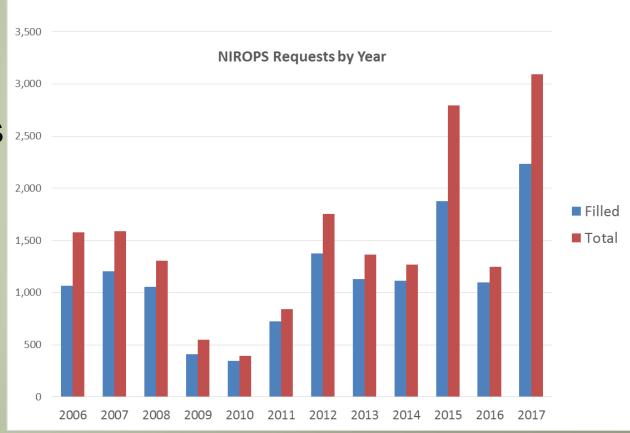
- 9.8 million acres burned as of Dec 29th,149% of the ten year average (2007-2016)
- Went to PL4 on July 9, dropped to PL3 on September 22
- Included 39 days at PL5
- Early start April 17 in FL & GA
- End Dec 24 in SoCal **

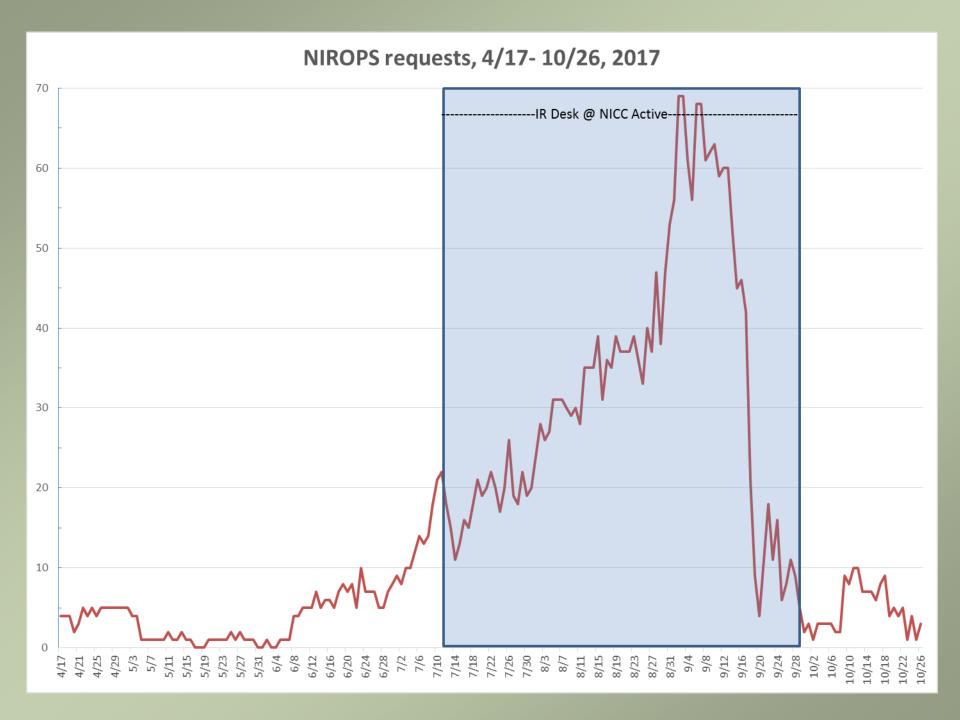
NATIONAL WED OPERATIONS



2017 NIROPS Requests

- 3,092 total requests with 2,232 filled
- 10 yr avg (2007-2016) 1,310 requests and 1,033 filled
- 28% UTF rate
- Aircraft 3 filled13% of missions(28% in 2015)

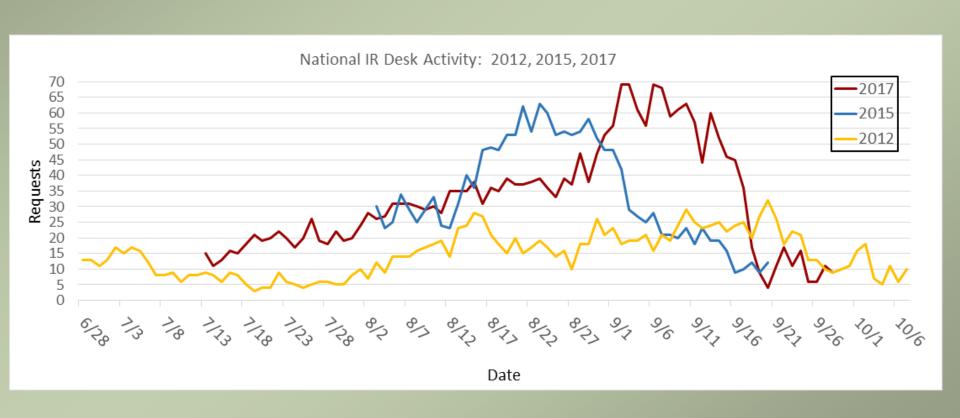








National IR Desk Activity Comparison



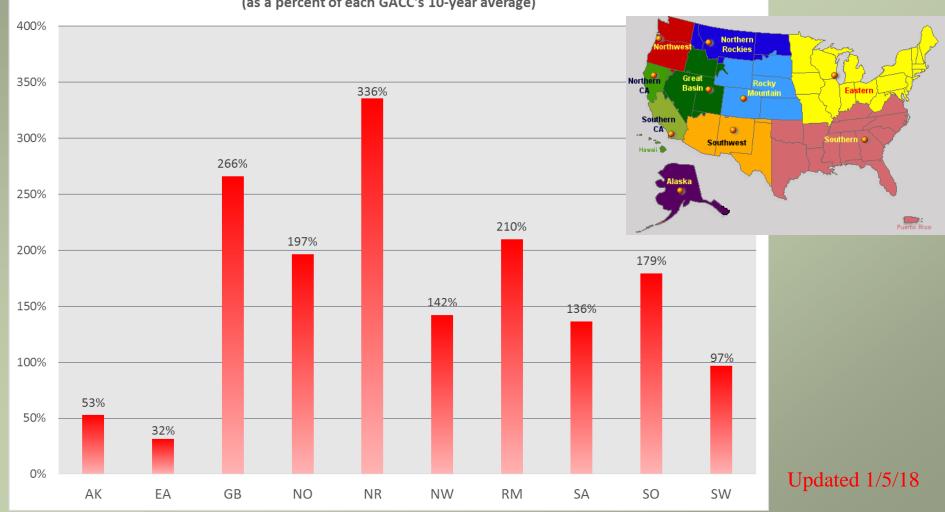
NATIONAL OPERATIONS



Fire Activity by GACC

Acres Burned by GACC - 2017 (as of Dec 29)

(as a percent of each GACC's 10-year average)

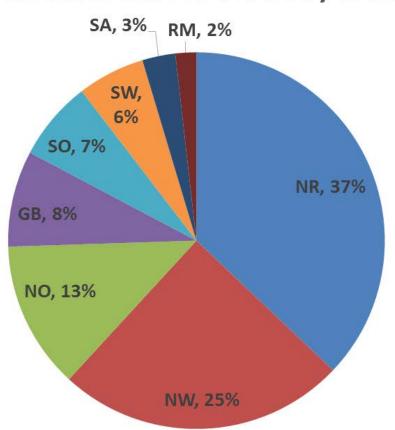


NATIONAL WAR ED OPERATIONS



2017 – Orders by GACC

Percent of NIROPS orders by GACC







Busiest Night 2017 – 9/1/17, 48 Fires

N144Z (29 fires)

- North Fork Hughes, Hanover, Honeymoon, Hidden, Ibex, Bearskin, Highline (ID)
- Sapphire Cx, Meyers, Sprague, Rice Ridge, Park Creek, Reader, Highway 200 Cx, Liberty, Nelson Creek, Lolo Peak, Gibralter Ridge, Alice Creek, Caribou, Monahan, Deep Creek, Sheep Gap, Strawberry, Scalp, Reef, Crucifixion Creek (MT)
- Pole Creek (WY)
- Bridge Creek (WA)

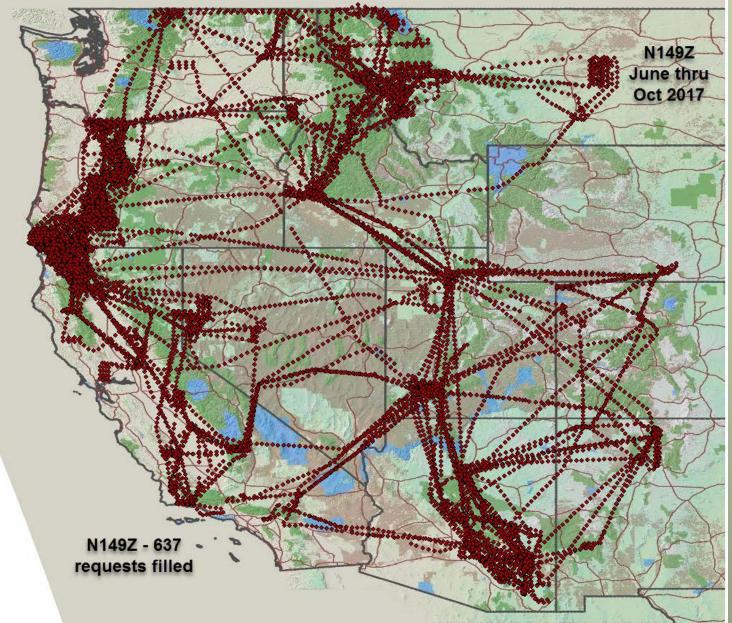
N149Z (13 fires)

- Whitewater, Staley, Horse Prairie, Milli 0843 CS, Miller Cx, Jones, Indian Creek, Chetco Bar (OR)
- Helena, Salmon August Cx, Eclipse Cx, Orleans Cx (CA)
- Aircraft 3 (6 fires)
 - Jolly Mountain, Norse Peak (WA)
 - Railroad, Pier, Ponderosa (CA)
 - Sartin Draw (MT)

2015 Busiest night was 8/19 with 47 fires flown, 26 by 144Z, 16 by 149Z, 5 by AC3

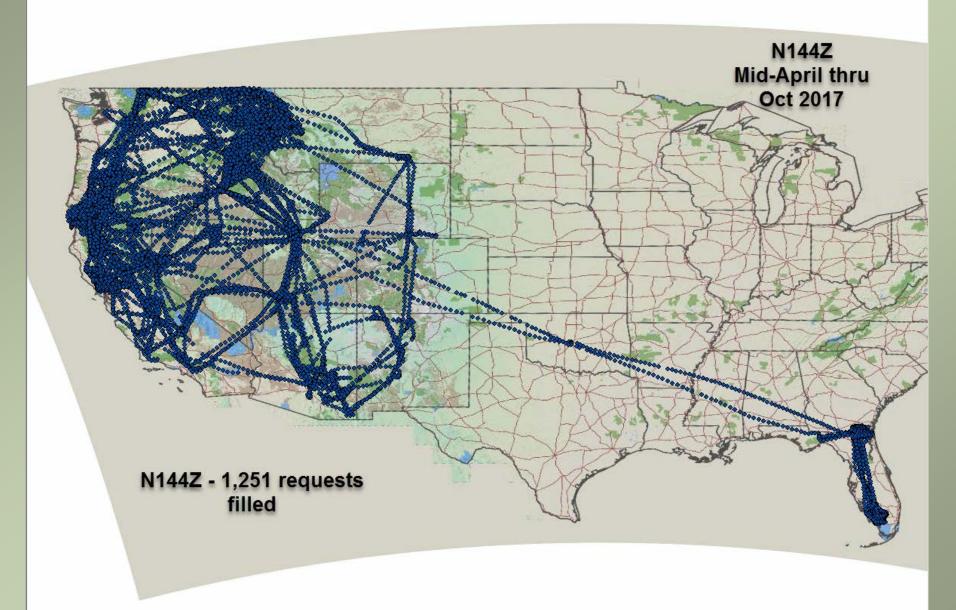
NATIONAL WEST OPERATIONS





NATIONAL WED OPERATIONS



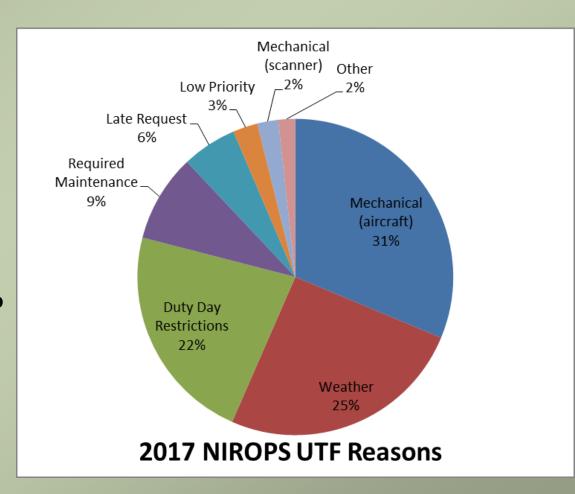






UTFs (Unable to Fill)

- 749 total UTFs (NIROPS only)
- UTF rate drops from 28% to 21% when weather UTFs are not counted
- UTF for Aircraft 3 27%(19% non-weather)



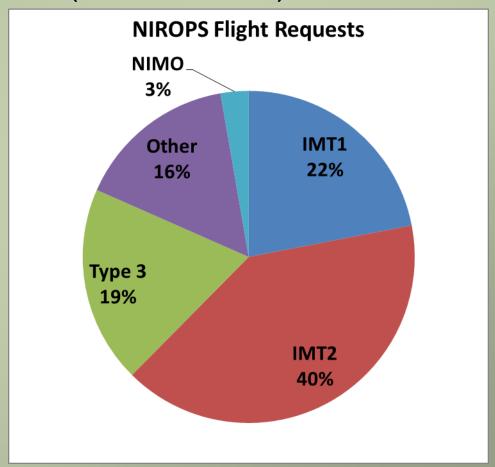




Who is Requesting?

131 orders did not fill out (out of 3,057)

Team Type	non-weather UTF rate
Other	25%
Type 3	26%
Type 2	17%
Type 1	15%
NIMO	28%





Prioritization of fires for IR

- Type of team assigned Type 1, 2, 3, etc.
- Values at risk, WUI, evacuations
- Priority listings in National IMSR
- GACC priority listings
- Geographic location and grouping of fires
- Activity during the day
 - Satellite fire detections MODIS, VIIRS
 - Plume activity visible satellite
- Consultation with NICC
- Heat detected from previous NIROPS flights
- Expected weather over incident
- Feedback from IRINs

NATIONAL WELL OPERATIONS



Extended Support to numerous incidents

- Lolo Peak (MT) 52 flights
- Park Creek (MT) 51 flights
- Chetco Bar (OR) 50 flights
- Miller Cx (OR) − 48 flights
- Sunrise (MT) 48 flights
- Sapphire Cx (MT) 45 flights
- Liberty (MT) − 43 flights
- Rice Ridge (MT) − 43 flights
- Meyers (MT) − 34 flights
- Highline (ID) 30 flights



It Takes a Team!

- IR Techs 5 person rotation
- Pilots 6 FS fulltime
- 44 different IRINs, 6 trainees got assignments and 5 got signed off
- National IR desk staffed from 7/12 to 9/29 by 5 different IRCNs
- Aircraft 3 (Firehawk) coverage key during maintenance on NIROPS aircraft- AC3 liaison at GTAC and NGA/USGS/FS analysts
- R4 Aviation maintenance crew

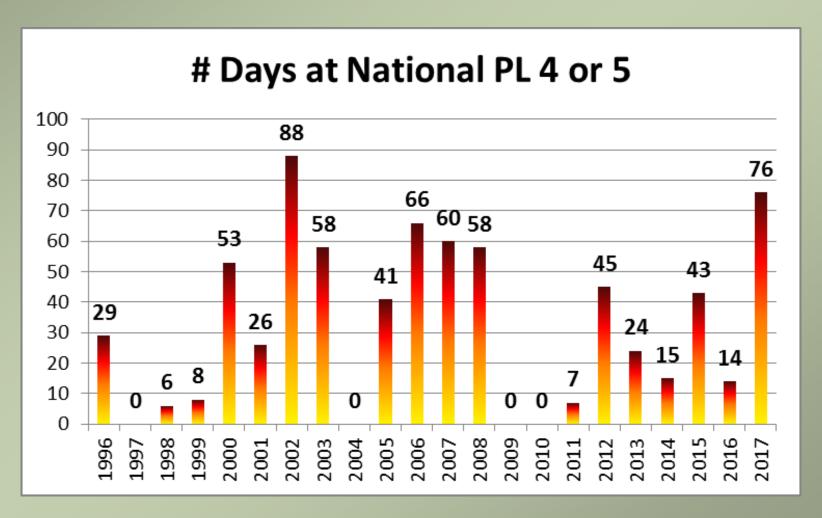


Takeaways from 2017

- Unprecedented demand
- Planes are getting old!
 - 149Z 33 years old (1985)
 - 144Z 17 years old (2001)
- When best to utilize other IR resources
 - Small fires, initial attack, early stages
 - Fire cooling down, mostly hot spot detection
 - Daytime flights
- Other IR resources are complementary to NIROPS but don't replace our capacity and products



Next Year?.....





Looking ahead to 2018

- Most forecasts call for weak La Niña
- Monitor fire activity and try to maintain one system in ready status

