2016 NIROPS National Summary

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NIROPS Closeout, NIFC, Boise
Some slides updated with Southern Area data, 1/5/17
2016 –

- 5.4 million acres, 77% of the ten year average (2006-2015)
- Slow start to the season
- Late season (Nov) in Southern Area
- More IR requests in CO, NM, AZ and WY than previous few years

Updated 1/5/17
2016 NIROPS Requests

- 1,692 total requests with 1,495 filled
- 10 yr avg (2006-2015) 1,343 requests and 1,030 filled
- 10% UTF rate
- Aircraft 3 filled
- 3% of missions (28% in 2015)

Updated 1/5/17
NIROPS requests, May 24 - October 6, 2016

IR Desk @ NICC Active
Fire Activity by GACC

Acres Burned by GACC - 2016 (as of Oct 14)
(as a percent of each GACC's 10-year average)

<table>
<thead>
<tr>
<th>Region</th>
<th>Acres Burned</th>
</tr>
</thead>
<tbody>
<tr>
<td>AK</td>
<td>41%</td>
</tr>
<tr>
<td>EA</td>
<td>35%</td>
</tr>
<tr>
<td>GB</td>
<td>78%</td>
</tr>
<tr>
<td>NO</td>
<td>26%</td>
</tr>
<tr>
<td>NR</td>
<td>35%</td>
</tr>
<tr>
<td>NW</td>
<td>60%</td>
</tr>
<tr>
<td>RM</td>
<td>171%</td>
</tr>
<tr>
<td>SA</td>
<td>82%</td>
</tr>
<tr>
<td>SO</td>
<td>146%</td>
</tr>
<tr>
<td>SW</td>
<td>94%</td>
</tr>
</tbody>
</table>
2016 – Orders by GACC

- Compare to 2015

Percent of NIROPS orders by GACC

- SA, 25%
- GB, 20%
- SO, 16%
- RM, 11%
- NR, 11%
- SW, 6%
- NO, 6%
- NW, 6%

Updated 1/5/17
Busiest Night Night 2016 – August 30, 26 Fires

- **N149Z (15 fires)**
  - Porcupine (UT)
  - Box Canyon (UT)
  - Peterson Hollow (UT)
  - Willow Creek (UT)
  - Berry (WY)
  - Tatanka Complex (WY)
  - Maple (WY)
  - Pioneer (ID)
  - Tie (ID)
  - Elk Ridge (ID)
  - Cedar (ID)
  - Sixtytwo (ID)
  - Moose (ID)
  - Freeman (ID)
  - Roaring (ID)

- **N144Z (11 fires)**
  - Pony (CA)
  - Tully (CA)
  - Chimney (CA)
  - Rey (CA)
  - Cedar (CA)
  - Gap (CA)
  - Soberanes (CA)
  - Bogart (CA)
  - Rail (OR)
  - John Doe (ID)
  - Copper King (MT)

2015 Busiest night was 8/19 with 47 fires flown, 26 by 144Z, 16 by 149Z, 5 by AC3
N144Z – 593 requests filled

N144Z
May thru 1st week
Oct 2016
N149Z – 448 requests filled

N149Z
May thru 1st week
Oct 2016
N144Z (Citation Jet) is faster (370 kts vs 240 kts) and covers the west coast and farther flung fires.

N149Z has greater endurance (4 hrs vs 3 hrs).
UTFs (Unable to Fill)

- 182 total UTFs (NIROPS only)
- UTF rate drops from 10% to 4% when weather UTFs are not counted
- UTF for Aircraft 3 - 17% (10% non-weather)

Updated 1/5/17
Who is Requesting?

- 50 orders did not fill out

### NIROPS Flight Requests

<table>
<thead>
<tr>
<th>Team Type</th>
<th>non-weather UTF rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>14%</td>
</tr>
<tr>
<td>Type 3</td>
<td>7%</td>
</tr>
<tr>
<td>Type 2</td>
<td>5%</td>
</tr>
<tr>
<td>Type 1</td>
<td>4%</td>
</tr>
<tr>
<td>NIMO</td>
<td>29%</td>
</tr>
</tbody>
</table>

All NIMO orders were for Beaver Creek (CO)
Prioritization of fires for IR (not in any order)

- 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 NIROPS flights
- Expected weather over incident
- Feedback from IRINs
Extended Support to numerous incidents

- Soberanes (CA) – 75 flights
- Pioneer (ID) – 61 flights
- Beaver Creek (CO) – 50 flights*
- Cedar (CA) – 35 flights
- North (NM) – 32 flights
- Saddle (CA) – 31 flights
- Rail (OR) – 31 flights
- Copper King (MT) – 27 flights
- Lava Mountain (WY) – 23 flights
- Cliff Creek (WY) – 22 flights

*39 flights by Aircraft 3
It Takes a Team!

- IR Techs - 5 person rotation
- Pilots – 6 FS fulltime
- 35 different IRINs, 2 trainees got assignments and got signed off
- National IR desk staffed from 7/29 to 9/15 by 3 different IRCNs
- Aircraft 3 (Firehawk) coverage key during maintenance on NIROPS aircraft- AC3 liaison at RSAC and NGA analysts
- R4 Aviation maintenance crew
Takeaways from 2016

- Useful to have desk active at PL 3 ("strong 3") depending on IR demands
- Full pilot staffing is great!
- When best to utilize other IR resources
  - Small fires, initial attack, early stages
  - Fire cooling down, mostly hot spot detection
- Other IR resources are complementary to NIROPS
Next Year?........
Rest of 2016 and into 2017

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

Photo: Initial Attack Fire Media