



GTAC Update on NIROPS- Related Activities

NIROPS 2016 Closeout Meeting

November 2, 2016



USDA Forest Service, Geospatial Technology Applications
Center,

FSWeb: <http://fsweb.rsac.fs.fed.us>

WWW: <http://www.fs.fed.us/eng/rsac/>

Presentation Outline

- RSAC Name Change
- NIROPS Website and IR Online Ordering
- 2016 Aircraft3/Firehawk Support Summary

RSAC Name Change

- The Remote Sensing Applications Center (RSAC) and the Geospatial Service and Technology Center (GSTC) were integrated in October.
- Now known as the Geospatial Technology Applications Center (GTAC)



NIROPS Website 2016

NATIONAL INFRARED OPERATIONS

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NIROPS 3833 S Development Ave. Boise, ID 83705



NIROPS Website and IR Online Ordering

- Modifications for 2016 season
 - Server moved from USDA in Ft. Collins to EROS Data Center in Sioux Falls, SD.
 - Pilots and technicians info added to the scan order page.
 - Adjusted the “Current Orders” page refresh.
 - Improved file maintenance and Pilot/Tech PDFs.
- Issues during 2016 season
 - It got really slow several times
 - Active Fire Maps website activity
 - GeoMac perimeters not displaying in Google Map box
- Modifications for 2017 season?
 - Submit your requests soon so we can compile and prioritize a list for the web developer

NIROPS Website Usage Summary for 2016

April 1 – October 17

- Items of interest:
 - 19,257 visits to the website; 5,883 unique visitors
 - 26 % of visits were from mobile devices
 - Tablets – 12 %
 - Smart Phones – 14 %

Year	Visits	Unique Visitors	Page Views	Smart Phone(%)	Tablet(%)
2016	19,257	5,883	265,674	14	12
2015	20,651	5,077	356,541	12	10
2014	17,076	5,064	260,912	12	15
2013	21,314	7,205	274,625	9	10

2016 IR Online Ordering Outages

- August 1, 4, 8, 24
- Both NIROPS and Active Fire Maps (AFM) were unavailable.
- In general, requests for “Map Services” were spiking the CPU capacity.
 - There were no CPU “cycles” available for users to log in.
 - MySQL database had to be re-started.
- Modifying access to the map server stabilized the sites.
- Looking into load-balancing as a possible long term solution.

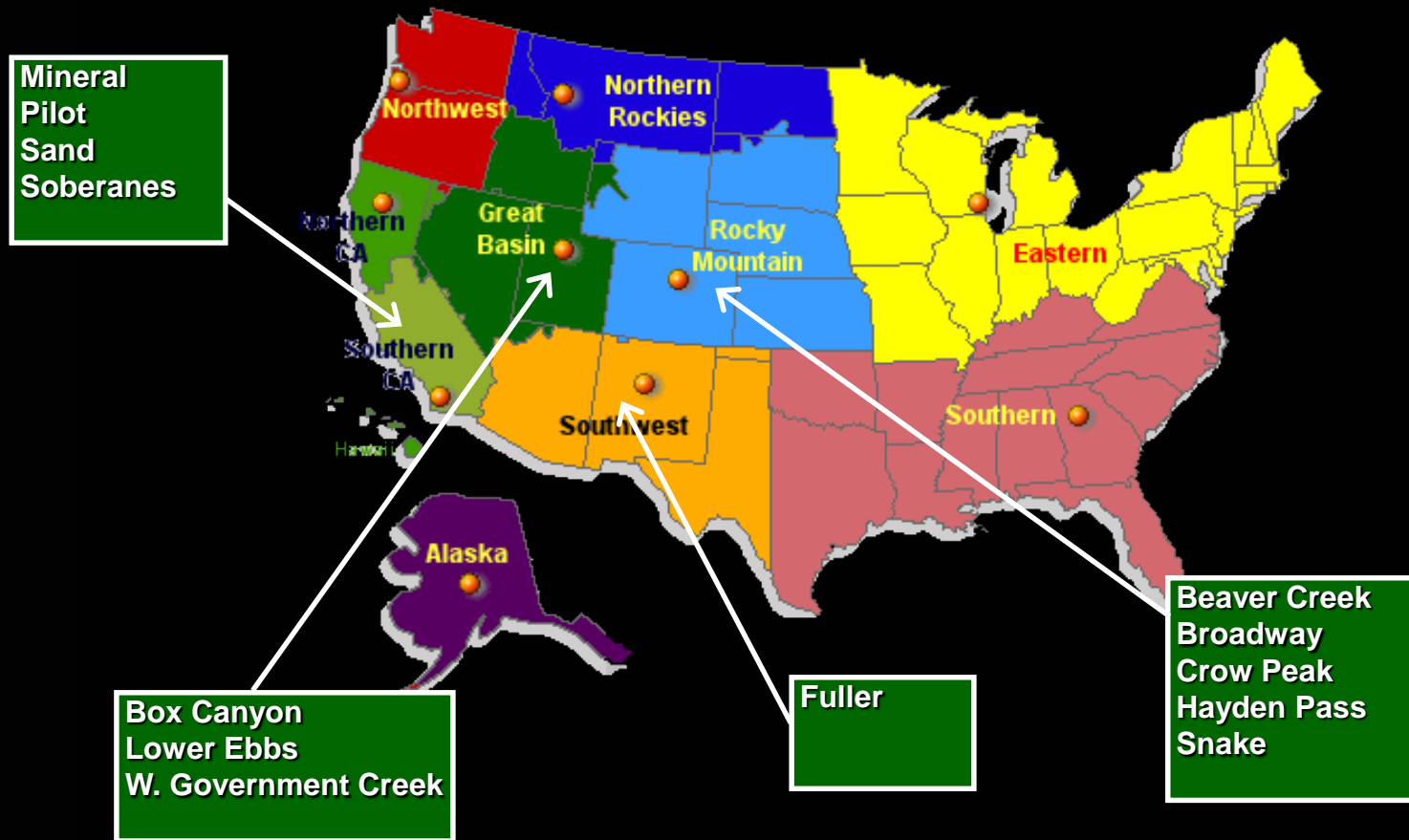


Aircraft3 2016 Summary

- No Alaska support requests
- Incident support started on June 23-24
 - Beaver Creek Fire
- The majority of support requests were from Rocky Mountain (42) and South Ops (20)
 - Great Basin (6), Southwest (4)
- Incident support ended on September 16-17
 - Soberanes Fire



Aircraft3 2016 GACC Support



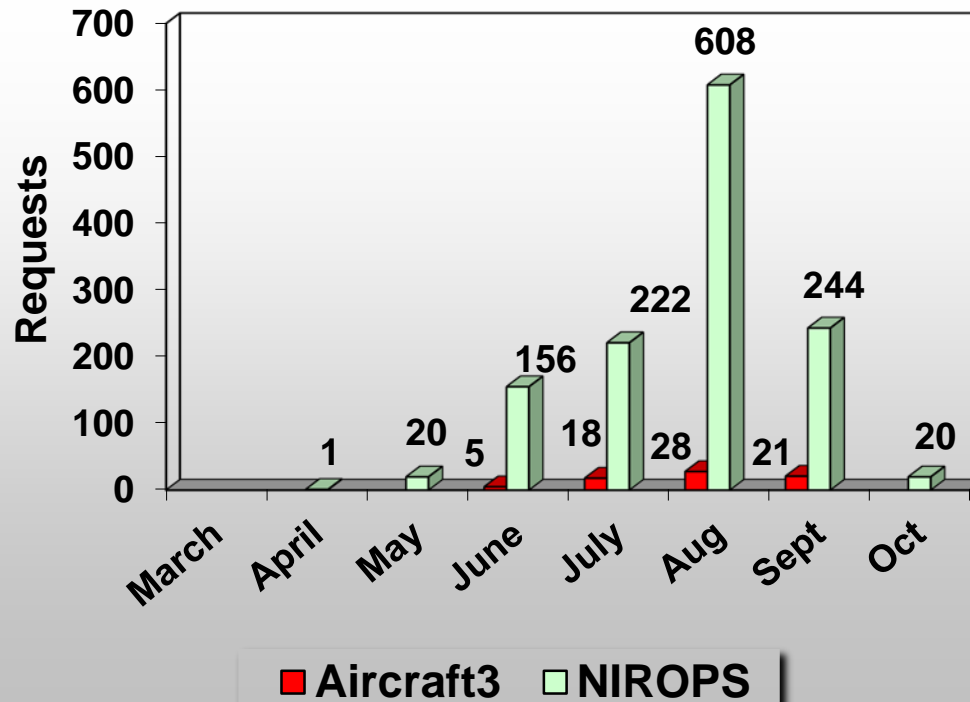
Aircraft3 2016 GACC Support

Geographic Area	No. of Fires	No. of Support Requests	UTF-Weather	UTF-Tech. Issue	Acres ¹
AK	0	0	0	0	0
GB	3	6	0	2	13,728
NO	0	0	0	0	0
NR	0	0	0	0	0
NW	0	0	0	0	0
RM	5	42	3	4	62,344
SO	4	20	0	1	164,113
SW	1	4	2	0	14,510
SA	0	0	0	0	0
TOTAL	13	72	5	7	254,695

(Through October 19, 2016)

1. Acres shown are from the last night of Aircraft3 support for the incident(s) in the GACC.

Aircraft3 2016 Support to NIROPS



Apr: n/a
May: n/a
Jun: 3%
Jul: 8%
Aug: 5 %
Sep: 9%
Oct: n/a

Through October 19, 2016

5.9 % of the CONUS IR requests (72 of 1,271) were assigned to Aircraft3
79.2 % of the assigned requests (57 of 72) were completed by Aircraft3

Aircraft3 Incident Support

- Beaver Creek (CO) – 34 nights
- Crow Peak (SD) – 7 nights
- Hayden Pass (CO) – 1 night
- Soberanes (SO) – 8 nights
- Sand (SO) – 5 nights
- Pilot (SO) – 5 nights
- Mineral (SO) – 2 nights



Snake, Medicine Bow NF



Thanks

Comments/Questions?



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