

GTAC Update on NIROPS- Related Activities

2020 NIROPS Closeout Meeting

December 10, 2020



USDA Forest Service, Geospatial Technology and Applications
Center,

FSWeb: <https://apps.fs.usda.gov/gtac>

WWW: <https://www.fs.usda.gov/about-agency/gtac>

Presentation Outline

- NIROPS Website and IR Online Ordering
- 2020 Aircraft3/Firehawk Support Summary



NIROPS Website 2020

NATIONAL INFRARED OPERATIONS

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NIROPS 3833 S Development Ave. Boise, ID 83705









NIROPS Website and IR Online Ordering

- Modifications for 2020 season
(Admin)
 - Tracking UTFs and completed flights by aircraft/vendor

<input checked="" type="checkbox"/> Creek	UPDATED	Jorge Enriquez	2020-11-11 08:36:19	2020-11-30 07:03:57	(Archived) UTF: weather (aircraft: Tenax N350SM)
<input checked="" type="checkbox"/> Castle	UPDATED	vendor provided	2020-11-09 10:37:49	2020-11-30 07:03:57	(Archived) Completed by Courtney 4717V
<input checked="" type="checkbox"/> Creek	UPDATED	vendor provided	2020-11-09 08:28:34	2020-11-30 07:03:57	(Archived) Completed by Courtney 4717V
<input type="checkbox"/> MNF August Complex	UPDATED	Jan Johnson/Jorge Enriquez	2020-11-08 15:35:30	2020-11-30 07:03:57	(Archived) UTF: weather (aircraft: unknown)
<input checked="" type="checkbox"/> Castle	UPDATED	vendor provided	2020-11-08 10:32:46	2020-11-30 07:03:57	(Archived) UTF: weather (aircraft: Courtney 4717V)
<input checked="" type="checkbox"/> Creek	UPDATED	vendor provided	2020-11-08 08:24:45	2020-11-30 07:03:57	(Archived) UTF: weather (aircraft: Courtney 4717V)
<input checked="" type="checkbox"/> Castle	UPDATED	vendor provided	2020-11-07 09:07:21	2020-11-30 07:03:57	(Archived) Completed by Courtney 4717V
<input checked="" type="checkbox"/> Creek	UPDATED	vendor provided	2020-11-07 08:58:37	2020-11-30 07:03:57	(Archived) Completed by Courtney 4717V
<input checked="" type="checkbox"/> Castle	UPDATED	vendor provided	2020-11-06 09:13:23	2020-11-30 07:03:57	(Archived) UTF: weather (aircraft: Courtney 4717V)








NIROPS Website and IR Online Ordering

- Modifications for 2020 season (Admin)
 - As IR requests are updated, they are tagged with an update flag.

 CAMERON PEAK	UPDATED	Jan Johnson	2020-11-12 12:13:07	2020-11-30 07:03:57
 MIDDLE FORK	UPDATED	Jorge Enriquez	2020-11-12 10:48:56	2020-11-30 07:03:57
 Williams Fork	UPDATED	Jorge Enriquez	2020-11-12 09:26:33	2020-11-30 07:03:57
 EAST TROUBLESOME	UPDATED	Jan Johnson	2020-11-12 09:24:36	2020-11-30 07:03:57
 Creek	UPDATED	Jorge Enriquez	2020-11-12 08:21:37	2020-11-30 07:03:57
 Creek	UPDATED	Jorge Enriquez	2020-11-11 08:36:19	2020-11-30 07:03:57
 Castle	UPDATED	vendor provided	2020-11-09 10:37:49	2020-11-30 07:03:57
 Creek	UPDATED	vendor provided	2020-11-09 08:28:34	2020-11-30 07:03:57

NIROPS Website and IR Online Ordering

- Modifications for 2020 season (Admin)
 - As aircraft are assigned to fires, check boxes are color coded
 - Green: N149Z
 - Purple: Contract IR
 - Orange: Aircraft3

	CAMERON PEAK	UPDATED	Jan Johnson	2020-11-12 12:13:07	2020-11-30 07:03:57
	MIDDLE FORK	UPDATED	Jorge Enriquez	2020-11-12 10:48:56	2020-11-30 07:03:57
	Williams Fork	UPDATED	Jorge Enriquez	2020-11-12 09:26:33	2020-11-30 07:03:57
	EAST TROUBLESOME	UPDATED	Jan Johnson	2020-11-12 09:24:36	2020-11-30 07:03:57
	Creek	UPDATED	Jorge Enriquez	2020-11-12 08:21:37	2020-11-30 07:03:57
	Creek	UPDATED	Jorge Enriquez	2020-11-11 08:36:19	2020-11-30 07:03:57
	Castle	UPDATED	vendor provided	2020-11-09 10:37:49	2020-11-30 07:03:57
	Creek	UPDATED	vendor provided	2020-11-09 08:28:34	2020-11-30 07:03:57

NIROPS Website and IR Online Ordering

- Issues during 2020 season
 - Overall, Online Ordering has been stable through the fire season.
 - Website “locked up” when OR/WA fires blew out over Labor Day weekend
 - Mobile device accesses to Active Fire Maps website.
 - Wildfire Daily Perimeters KML not displaying in Edit Google Map box
 - Google Map has a 3 MB size limit for displaying KMLs.
 - Multiple filters applied to perimeters in KML to simplify display.
 - Removed attributes fields and generalized perimeters.
- Modifications for 2021 season?
 - Submit your requests soon so we can compile and prioritize a list for the web developer.

NIROPS Website Usage Summary for 2020

May 1 – December 1

- Items of interest:
 - 31,701 visits to the website; 9,186 unique visitors
 - 20 % of visits were from mobile devices
 - Tablets – 5 %
 - Smart Phones – 15 %

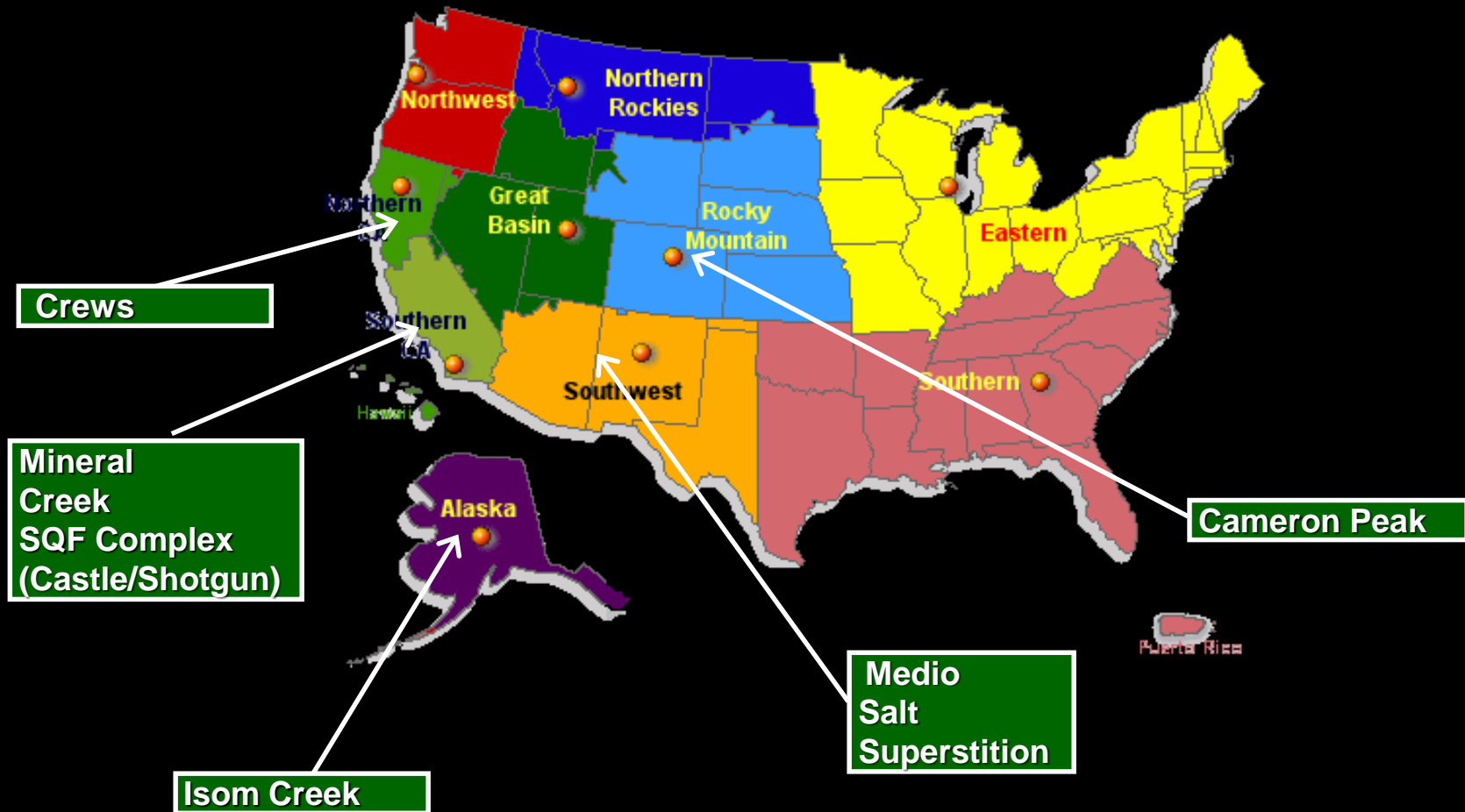
Year	Visits	Unique Visitors	Page Views	Smart Phone(%)	Tablet(%)
2020	31,701	9,186	455,374*	15	5
2019	14,493	5,578	217,614	36	45
2018	27,044	8,641	485,619	33	41
2017	27,898	7,025	523,926	29	46
2016	19,257	5,883	265,674	32	45

Aircraft3 2020 Summary

- Overall, it was a very quiet support season.
- Covid-19 put training of USGS analysts on hold.
 - Virtual “S443 Lite” training was provided to analysts.
- EU IR contract vendors and CWN IR vendors reduced need for Aircraft3 support.
- Incident support started on June 19
 - Isom Creek Fire, AK
- Incident support ended on October 1.
 - Creek Fire, CA
- 16 days of continuous support from 9/16 – 10/1.
- Support requests came from Alaska, Southwest, Rocky Mountain, North Ops, South Ops GACCs.



Aircraft3 2020 GACC Support



Aircraft3 2020 GACC Support

GEOGRAPHIC AREA	NUMBER OF FIRES	NUMBER OF SUPPORT REQUESTS	UTF-WEATHER	UTF-TECH. ISSUES	ACRES ¹
AK	1	3	0	0	12, 029
SW	3	7	1	1	97,075
RM	1	5	0	1	101, 324
NO	1	3	0	1	5,475
SO	3	27	0	9	393, 566
TOTAL	9	45	1	12	609, 469

(Through December 1, 2020)

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

2020 Aircraft3/Firehawk Support (12/01/20)

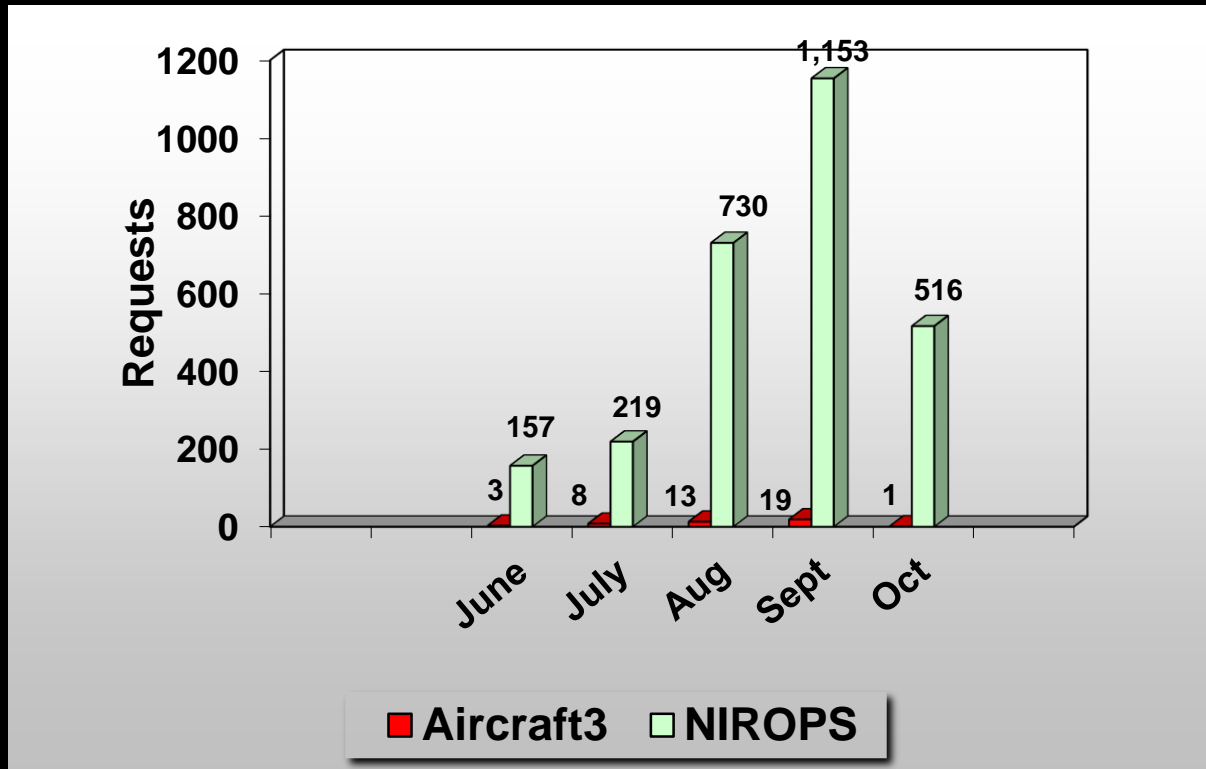
MONTH	NO. OF SUPPORT DAYS	NO. OF FIRES SUPPORTED	GACC(s) SUPPORTED
June	3	1	AK
July	8	2	NO, SO
August	13	5	RM, SW, SO
September	20	3	RM, SO
October	1	1	SO
TOTAL	45		

Extended Support to Incidents

- Creek (CA) – 14 nights
- SQF Complex (CA) – 8 nights
- Mineral (CA) – 5 nights
- Cameron Peak (CO) – 5 nights



Aircraft3 2020 Support to NIROPS



Jun: 1.9 %
Jul: 3.7 %
Aug: 1.9 %
Sep: 1.6 %
Oct: 0.2 %

Through December 1, 2020

2 % of the IR requests (45 of 2,800) were assigned to Aircraft3
73 % of the assigned requests were completed by Aircraft3

Thanks

Comments/Questions?



GTAC



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Aircraft3 Activation: 2005 - 2020

YEAR	DATE
2005	May 17
2006	June 10
2007	May 6
2008	July 1
2009	July 15
2010	June 1
2011	May 4
2012	July 3
2013	June 23
2014	May 24
2015	June 24
2016	June 23
2017	April 25
2018	April 16
2019	July 16
2020	June 19