

APFO Digital Resource Imagery Acquisition

Project	Agency	Proj ID	Year Flown	Photo Period	Square Miles	Sensor	Res	Single Point Georeferenced Images					Orthorectified Images				Comp Project Mosaic (CPM)	Total File(s) Size (GB)	Text Files	Index	Est Total Project Data (TB)	Project Status	Estimated Customer Delivery	Customer Agency POC				
								TIFF Image Bit /Band *	Qty/S et	Ave File Size (GB)**	Est Total Size (GB)	Stereo Block Files	4-Band Ortho Products	DOQQ /QQQ Qty	Ave File Size (GB)	Est Total Size (GB)									4-Band Ortho Products	DOQQ /QQQ Qty	Ave File Size (GB)	Est Total Size (GB)
Shoshone NF & Absaroka Front, CO	FS-R2, BLM	1-13-1	2013 (25%), 2014	Jun 15 - Oct 4N, 11S	5555	UCX	30cm	16/4	6666	1.45	9665.7	5	16-bit DOQQQ	1868	1.24	2316	IMU/ABGPS, Metadata	GDB, PCF	11.98	35% flown; ~25% will be submitted	2013 Images April 2014; 2014 images April 2015	Melinda McGann						
								8/4	1718	0.727	1249.0	3							1.25				Sam Cox (secoc@blm.gov) 307-775-6243					
Medicine Bow NF Post Fire Areas, WY	FS-R2	1-13-2	2014	Jun 15 - Oct 11	327	UCX	30cm	16/4	395	1.45	572.8	1	IMU/ABGPS, Metadata				GDB, PCF	0.57	awarded Jul 19; smoke, monsoons, and early snow prevented 2013 collection	April, 2015	Melinda McGann							
Arapaho-Roosevelt NF Post Fire Area, CO		1-13-3	2014	Jun 15 - Oct 13	217			16/4	215	1.45	311.8	1						0.31										
San Juan & Rio Grande NF Post Fire Area, CO		1-13-4	2014	Jun 15 - Oct 22	431			16/4	517	1.45	749.7	1						0.75										
Tapash Post Fire Area, Okanogan-Wenatchee NF, WA	FS Naches RD	4-13-1	2013	Jul 1 - Aug 15	63	UCX	25cm	16/4	129	1.45	187.1	1	8-bit DOQQQ	36	0.86	31	IMU/ABGPS, Metadata	GDB, PCF	0.22	Complete 2013	Delivered	Jim Bailey						
								8/4	129	0.727	93.8	1							0.09									
Gila NF, NM	FS-R3	6-13-1	2013	Aug 1 - Oct 16	5306	UCXP	30cm	8/4	4868	0.727	3539.0	7	8-bit DOQQQ	1325	0.75	993.8	4 band .ecw	IMU/ABGPS, Metadata	GDB, PCF	4.53	Complete 2013	Delivered	Bart Matthews					
Bryce Valley, UT	FS NEPA, NRCS	7-13-1	2013	Jun 17 - Sep 30	999	UCXP	30cm	8-bit DOQQQ	414	0.65	267	8, 4 band .ecw	IMU/ABGPS, Metadata	PCF	0.27	Complete 2013	Delivered	Adam Shaw (NEPA), Lee Woolsey (NRCS)										
Tonto NF, AZ	FS-R3	1-12-1	2012	Jun 1 - Sep 30	4632	DMC	30cm	8/4	6345	0.46	2949	6	8-bit DOQQQ	1325	0.87	1153	4 band .ecw	20	IMU/ABGPS, Metadata	GDB, PCF	4.12	Complete 2012	Delivered	Bart Matthews				
Tapash, Okanogan-Wenatchee NF, WA	FS Naches RD	4-12-1	2012	Jun 1 - Jul 15 (ext Aug 31)	1792	UCX	25cm	16/4 & 297 sq mi 1/4 pan	4604	1.23	5641	13	8-bit DOQQQ	724	0.86	623	IMU/ABGPS, Metadata	GDB, PCF	6.26	Complete 2012	Delivered	James Dickenson, Jim Bailey						
								8/4	4604	0.59	2700	12							2.70									
GMUG-BLCA-CURE & Gunnison Basin, CO	FS-R2, NPS, BLM, NRCS, Gunnison County	5-12-1	2012	Jun 15 - Oct 16	6717	UCX	30cm	16/4	8115	1.45	11777	15	16-bit DOQQQ	2099	1.56	3274	IMU/ABGPS, Metadata	GDB, PCF	15.05	Complete 2012	Delivered	Melinda McGann, Theresa Childers (theresa_childers@nps.gov), Matt Bobo (mbobo@blm.gov), Eugene Backhaus (NRCS), Mike Pelletier (Mpelletier@gunnisoncounty.org)						
								8/4	7966	0.73	5790	15							4-band DOQ .ecw				3	840	6.63			
Dixie NF, UT	FS-R4	6-12-1	2012	Jul 1 - Sep 30	2673	DMC	50cm	16/4	1991	1.13	2247	4	8-bit DOQQ	274	0.8	1153	4 band .ecw	20	IMU/ABGPS, Metadata	GDB, PCF	3.42	Complete 2012	Delivered	Sanford Moss				
								8/4	1991	0.67	1341	4									1.34							
Fishlake NF, UT	FS-R4	7-12-1	2013	Aug 27 - Sep 30	2791	DMC	50cm	16/4	2314	1.13	2615	4	8-bit DOQQ	297	0.8	1153	4 band .ecw	20	IMU/ABGPS, Metadata	GDB, PCF	3.79	Complete 2013	Delivered	Sanford Moss				
								8/4	2314	.67	1550	4									1.55							
Black Hills National Forest, SD & WY	FS-R2	6-11-1	2011	Jul 1 - Oct 15	2582	DMC	30cm	16/4	5680	1.13	6418.9	No	16-bit DOQQQ	997	0.96	957.1	IMU/ABGPS, Metadata	FPSF, PCF	7.38	Complete 2011								
San Juan NF, CO	FS-R2	1-11-1	2011, 2012	Jun 15 - Oct 15	3271	UCX	30cm	16/4	5557	1.09	6057.1	with Ortho	16-bit DOQQQ	1040	1.56	1622	IMU/ABGPS, Metadata	FPSF, PCF	7.68	Pending DOQ correction								

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								TIFF Image Bit /Band *	Qty/S et	Ave File Size (GB)**	Est Total Size (GB)	Stereo Block Files	4-Band Ortho Products	DOQQ /QQT Qty	Ave File Size (GB) **									Est Total Size (GB)	Natural Color
Comanche NG, CO		1-11-2	2011		1741				1612	1.09	1757.1								2.65	Complete 2012					
Cimarron NG, KS		1-11-3	2011		499				421	1.09	458.89								0.73						
Coronado NF, AZ	FS-R3	4-11-1	2011	May 15 - Aug 31	2871	UCX	25cm	16/4	3780	1.09	4120.2	Option Item or with Ortho	Opt 8-bit DOQQ (est 985)	1000	0.87	857		IMU/ABGPS, Metadata	FPSF, PCF	4.98	Complete 2011				
		8/4							3780	0.56	2116.8									Opt 8-bit DOQ (120)		3.6	104.4	2.22	
Pike-San Isabel NF, CO	FS-R2	4-10-1	2010	Jun 15 - Oct 15	3900	UCX	30cm	16/4	6849	1.09	7449.0	Yes	16-bit individual ortho tiles	6849	0.45	3060		IMU/ABGPS, Metadata	PCF	10.51	Complete 2010				
Rio Grande NF, CO		4-10-2			3064				6169	1.09	6709.5									6169		0.45	2756	9.47	
Uinta-Wasatch-Cache NF, UT & W	FS-R4	8-10-1	2010	July 1 - Sep 30	4599	DMC	50cm	16/4	4273	1.22	5203.4	Yes	8-bit DOQQ	463	0.8	372.4	33.10	IMU/ABGPS, Metadata	FPSF, PCF	5.61	Complete 2010				
Caribou-Targhee NF, ID & WY	FS-R4	10-09-1	2009, 2010	July 1 - Oct 1	7996	ADS80	50cm	16/4	Image "chunks" NTE 2GB for images in stereo		8000.0	Yes	8-bit DOQQ	587	0.76	445.3	2 sets, 3-band SIDs: Natural Color & IR	81.05	IMU/ABGPS, Metadata	FPSF, PCF	8.53	Complete 2010			
Sawtooth NF, ID & UT		10-09-2			5186				6400.0	381	0.78			299.1	22.93	6.72									
Salmon-Challis NF, ID		10-09-3			9353				20800	703	0.78			548.6	66.36	21.41									
Tongass NF	FS-R10	6-10-1	2009, 2010	Jun 1 - Sep 15	1081	DMC	30cm	8/4	1165	0.42	459.11	Yes	8-bit DOQQQ	119	2.01	239	Natural Color (3 Band)	IMU/ABGPS, Metadata	PCF	0.70	100% Flown; stereo imagery re-pan sharpened; pending ortho remake				
Tongass NF, Priority 1		6-09-1		May 31 - Sep 1	1575				1409	0.42	668.9			148	2.01	297.2				0.97					
Tongass NF, Priority 2		6-09-2		May 31 - Sep 17	1028				3316	0.42	436.6			76	2.01	152.6				0.59					
Chugach NF, AK (Part 2)	FS-R10	1-08-1	2008	Jun 15 - Aug 30	10795	DMC	60cm	16/4		1.14	8130.2	Yes	8-bit DOQQ	192	1.79	343.4	2 sets, 3-band SIDs: Natural Color & IR	IMU/ABGPS, Metadata	PCF	8.47	100% Flown; stereo imagery re-pan sharpened; pending ortho remake				
Chugach NF, AK (Part 1 - Area 9)		1-07-1	2007	Jun 1 - Aug 30						1.14	0			115	1.79	205.7				0.21					
Direct Digital Acquisition without Orthos or Stereo Block Files (Flown in Stereo and Meets Overlap Requirements)																									
Ottawa NF, MI	FS-R9	1-10-1	2010	May 1 - May 21	2408	DMCII	30cm	8/4	1110	0.00002	0.02	No				Natural Color	3.04	IMU/ABGPS, Metadata	PCF	0.003	Complete 2010				
Routt NF, CO	FS-R2	8-09-1	2009	Jun 15 - Oct 1	2045	UCX	30cm	16/4	3615	1.09	3931.4	No						IMU/ABGPS, Metadata	PCF	3.93	Complete 2010				
Medicine NF, WY		8-09-2			2168				3238	1.09	3521.4									3.52					
Thunder Basin NG, WY		8-09-3			2840				2758	1.09	2999.4									3.00					
Boise-Payette NF, ID	FS-R4	7-08-1	2008	Jul 1 - Sep 30	8624	DMC	30cm	16/4	18973	1.22	23147	No		828			IMU/ABGPS, Metadata	PCF	23.15	Complete 2008					
Arapaho-Roosevelt NF, CO	FS-R2	8-08-1	2008,	Jun 15 - Oct 1	3146	DMC	30cm	16/4	7109	0.85	6050.5	No						IMU/ABGPS, Metadata	PCF	6.05	Complete 2010				
White River NF, CO		8-08-2	2009		3681				7878	0.85	6705.0									6.71					
Pawnee NG, CO		8-08-3	2008		1200				2640	0.85	2246.9									2.25					
Big Horn NF, CO		8-08-4	2008		1744				3837	0.85	3265.5									3.27					

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														Single Point Georeferenced Images				Orthorectified Images				Comp Project File(s) Mosaic Size (GB)		Text Files Index		Est Total Project Data (TB) Project Status		Estimated Customer Delivery	Customer Agency POC
														TIFF Image Bit /Band *	Ave File Size (GB)**	Est Total Size (GB)	Stereo Block Files	4-Band Ortho Products	DOQQ /QQQ Qty	Ave File Size (GB) Each **	Est Total Size (GB)								
Project	Agency	Proj ID	Year Flown	Photo Period	Square Miles	Sensor	Res																						
Digital Scans/Products from Film Acquisition in TIFF Format																													
Santa Fe NF, NM	FS-R3	7-10-1	2010	Jun 1 - Aug 15	2780	6" lens; 14 micron scans	1:15840	8	2668	0.85	2267.8	No						IMU/ABGPS, Metadata	PCF	2.27	Complete 2010								
Kodiak Island, AK	NRCS	6-09-3	2009	Jun 1 - Sep 30	4660	6" lens; 14 micron scans	1m	8	1816	1.08	1956.0	Yes	DOQQ (separate files for CIR and psuedo color)	97	1.67	323.8	Color IR and Psuedo Color	35.69	IMU/ABGPS, Metadata	PCF	2.32	Complete 2011							
Daniel Boone NF (Redbird RD), KY	FS-R8	5-09-1	2009	Apr 1 - Apr 30	229	6" lens; scans	1:12000		751			No	CIR Negative ortho tiles	751			CIR Neg CPM			PCF		Complete 2009							
Kaibab NF, AZ	FS-R3	4-09-1(a)	2009	Jun 1 - Sep 30	1934	6" lens; 14 micron scans	1:24000	8	3810	0.85	3238.5	No						IMU/ABGPS, Metadata	PCF	3.24	Complete 2009								
Kaibab NF, AZ		4-09-1(b)			606		1:12000																						
Lincoln NF, NM	FS-R3	4-09-2	2009, 2010	Jun 1 - Sep 30	1970	6" lens; 14 micron scans	1:24000	8	2106	0.85	1792.7	No						IMU/ABGPS, Metadata	PCF	1.79	Complete 2010								
Estimated Total TB of Data											199										26				225				

*16-Bit GeoTIF image files are uncompressed, radiometrically uncorrected; 8-bit GeoTIF are uncompressed, radiometrically corrected
 **Most file sizes include metadata and support files
 The number of images and/or average file sizes in *italics* are estimated. Total product storage size requirements are estimated.
 APFO produces a photo index of each Resource project area

GDB = Project Geo database feature classes: photo center point, flight line, image footprint polygon, seamline, ortho index
 PCF = Photo Center File
 FPSF = Footprint Shapefile
 FPSF = Footprint Shapefile