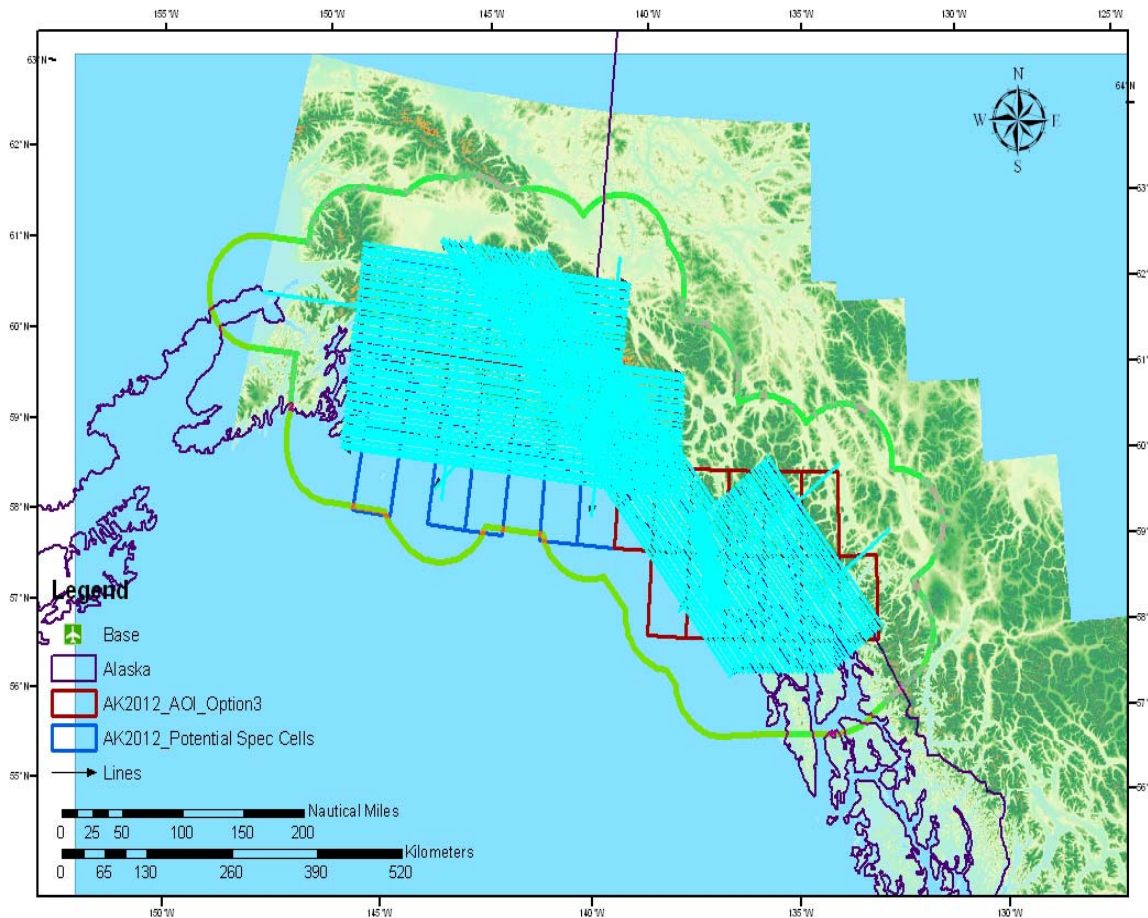


Alaska Copper River_Glacier Bay Mid Accuracy DEM

The P-Band Flight area is denoted by 40-nautical-mile standoff area (shown in green), which falls roughly between 152°41'5"W and 131°27'7"W Longitude and 56°49'12"N and 62°23'1"N Latitude. The blue dots represent P-band frequencies that are active in the area. The chart on the next page shows the distance and length of time that the radar is activated for each numbered flight line. Radar is off during turns.

GeoSAR 2012 Alaska Copper River / Glacier Bay Mid Accuracy DEM



Purpose: Acquire Radar data over proposed AOI

Mission Duration: This mission is composed of 38 sorties of approximately 4 hours each in duration. The radar on and off points are shown in the attached flight line summary.

Total mission radar activation: 63 hours.

P-band radar will be on for 63 hours.

Total radar activation distance: 25052.02 naut. mi.

Flight Altitude: 39511 feet

Ground Speed: 420 knots

Frequency Notching: Enter Frequency Notching Info

Stop Buzzer Procedure: A call to the Alaska ATC Center will result in immediate contact with the plane (GeoSAR Call Sign: Gulfstream 10123).

FAI ATC: 907-474-0050

Fugro EarthData Office: 301-948-8550

Fugro Earthdata Ground Crew: 240-409-5062

Flight Line#	Direction	Coordinates Radar On		Coordinates Radar Off		Distance of Radar Activation	Radar Activation Duration
		Latitude (deg)	Longitude (deg)	Latitude (deg)	Longitude (deg)		
76	SE to NW	57°34'11"N	134°6'28"W	59°42'8"N	137°23'3"W	164.25 nautical miles	23.47 minutes
77	NW to SE	62°27'0"N	142°41'28"W	57°33'57"N	134°14'9"W	388.29 nautical miles	55.49 minutes
78	NW to SE	62°27'9"N	142°51'32"W	57°33'58"N	134°21'47"W	389.19 nautical miles	55.62 minutes
79	NW to SE	62°27'17"N	143°1'36"W	57°33'59"N	134°29'24"W	390.10 nautical miles	55.75 minutes
80	NW to SE	62°24'13"N	143°4'2"W	57°34'0"N	134°36'57"W	386.23 nautical miles	55.19 minutes
81	NW to SE	62°24'18"N	143°13'59"W	57°33'59"N	134°44'33"W	387.09 nautical miles	55.32 minutes
82	NW to SE	62°24'23"N	143°23'57"W	57°33'58"N	134°52'10"W	387.95 nautical miles	55.44 minutes
83	SE to NW	57°33'56"N	134°59'47"W	62°24'26"N	143°33'55"W	388.82 nautical miles	55.56 minutes
84	SE to NW	57°33'54"N	135°7'23"W	62°24'30"N	143°43'52"W	389.68 nautical miles	55.69 minutes
85	SE to NW	57°33'51"N	135°14'59"W	62°24'32"N	143°53'50"W	390.55 nautical miles	55.81 minutes
86	SE to NW	57°33'48"N	135°22'35"W	62°24'34"N	144°3'48"W	391.42 nautical miles	55.93 minutes
87	NW to SE	62°24'36"N	144°13'43"W	57°33'44"N	135°30'9"W	392.29 nautical miles	56.06 minutes
88	NW to SE	62°24'36"N	144°23'41"W	57°33'40"N	135°37'45"W	393.17 nautical miles	56.18 minutes

89	NW to SE	62°24'37"N	144°33'38"W	57°33'35"N	135°45'20"W	394.05 nautical miles	56.31 minutes
90	NW to SE	62°24'38"N	144°43'38"W	57°33'32"N	135°52'57"W	394.93 nautical miles	56.44 minutes
91	NW to SE	62°24'37"N	144°53'35"W	57°33'26"N	136°0'32"W	395.81 nautical miles	56.56 minutes
92	NW to SE	62°24'33"N	145°3'31"W	57°33'18"N	136°8'6"W	396.70 nautical miles	56.69 minutes
93	NW to SE	62°24'31"N	145°13'28"W	57°33'11"N	136°15'41"W	397.59 nautical miles	56.82 minutes
94	SE to NW	57°33'5"N	136°23'15"W	62°24'30"N	145°23'26"W	398.48 nautical miles	56.94 minutes
95	SE to NW	57°32'58"N	136°30'49"W	62°24'26"N	145°33'23"W	399.38 nautical miles	57.07 minutes
96	SE to NW	57°32'49"N	136°38'24"W	62°24'22"N	145°43'20"W	400.28 nautical miles	57.20 minutes
102	W to E	62°5'2"N	148°3'42"W	62°7'19"N	139°51'56"W	231.53 nautical miles	33.09 minutes
103	E to W	62°4'5"N	139°52'21"W	62°1'50"N	148°3'15"W	231.53 nautical miles	33.09 minutes
104	W to E	61°58'37"N	148°2'42"W	62°0'52"N	139°52'40"W	231.53 nautical miles	33.09 minutes
105	W to E	61°55'25"N	148°2'12"W	61°57'38"N	139°53'2"W	231.53 nautical miles	33.09 minutes
106	E to W	61°54'25"N	139°53'27"W	61°52'13"N	148°1'45"W	231.53 nautical miles	33.09 minutes
107	E to W	61°51'12"N	139°53'49"W	61°49'1"N	148°1'16"W	231.53 nautical miles	33.09 minutes
108	E to W	61°47'58"N	139°54'10"W	61°45'48"N	148°0'46"W	231.53 nautical miles	33.09 minutes

109	E to W	61°44'45"N	139°54'32"W	61°42'36"N	148°0'17"W	231.53 nautical miles	33.09 minutes
110	W to E	61°39'24"N	147°59'45"W	61°41'31"N	139°54'51"W	231.53 nautical miles	33.09 minutes
111	W to E	61°36'11"N	147°59'16"W	61°38'17"N	139°55'13"W	231.53 nautical miles	33.09 minutes
112	E to W	61°35'4"N	139°55'37"W	61°32'59"N	147°58'50"W	231.53 nautical miles	33.09 minutes
113	E to W	61°31'51"N	139°55'59"W	61°29'47"N	147°58'21"W	231.53 nautical miles	33.09 minutes
114	E to W	61°28'37"N	139°56'20"W	61°26'34"N	147°57'53"W	231.53 nautical miles	33.09 minutes
115	E to W	61°25'21"N	139°54'26"W	61°23'21"N	148°1'43"W	234.70 nautical miles	33.54 minutes
116	W to E	61°13'39"N	150°36'3"W	61°22'7"N	139°54'41"W	310.25 nautical miles	44.34 minutes
117	E to W	61°18'57"N	139°57'24"W	61°16'58"N	147°56'28"W	231.53 nautical miles	33.09 minutes
118	E to W	61°15'43"N	139°57'45"W	61°13'45"N	147°56'0"W	231.53 nautical miles	33.09 minutes
119	E to W	61°12'30"N	139°58'7"W	61°10'33"N	147°55'32"W	231.53 nautical miles	33.09 minutes
120	W to E	61°7'17"N	147°57'13"W	61°5'49"N	138°9'51"W	285.38 nautical miles	40.78 minutes
121	W to E	61°4'5"N	147°56'46"W	61°2'35"N	138°9'54"W	285.62 nautical miles	40.82 minutes
122	W to E	61°0'52"N	147°56'18"W	60°59'21"N	138°9'56"W	285.86 nautical miles	40.85 minutes
123	W to E	60°57'40"N	147°55'50"W	60°56'6"N	138°9'59"W	286.10 nautical miles	40.88 minutes
124	E to W	60°52'52"N	138°10'5"W	60°54'28"N	147°55'26"W	286.34 nautical	40.92 minutes

125	W to E	60°51'15"N	147°54'56"W	60°49'37"N	138°10'4"W	miles 286.58 nautical	40.95 minutes
126	E to W	60°46'17"N	138°7'58"W	60°48'7"N	147°52'20"W	miles 286.82 nautical	40.99 minutes
127	E to W	60°43'3"N	138°8'1"W	60°44'54"N	147°51'54"W	miles 287.06 nautical	41.02 minutes
128	E to W	60°39'49"N	138°8'4"W	60°41'42"N	147°51'27"W	miles 287.30 nautical	41.06 minutes
129	W to E	60°38'30"N	147°51'4"W	60°36'35"N	138°8'10"W	miles 287.54 nautical	41.09 minutes
130	W to E	60°35'14"N	147°52'41"W	60°33'26"N	138°10'17"W	miles 287.78 nautical	41.12 minutes
131	W to E	60°32'1"N	147°52'15"W	60°30'11"N	138°10'20"W	miles 288.02 nautical	41.16 minutes
132	W to E	60°28'53"N	147°49'45"W	60°26'52"N	138°8'18"W	miles 288.26 nautical	41.19 minutes
133	E to W	60°23'43"N	138°10'28"W	60°25'37"N	147°51'25"W	miles 288.50 nautical	41.23 minutes
134	E to W	60°20'28"N	138°10'30"W	60°22'24"N	147°50'59"W	miles 288.74 nautical	41.26 minutes
135	E to W	60°17'8"N	138°8'23"W	60°19'16"N	147°48'24"W	miles 288.98 nautical	41.30 minutes
136	E to W	60°13'54"N	138°8'26"W	60°16'3"N	147°47'58"W	miles 289.22 nautical	41.33 minutes
137	W to E	60°12'47"N	147°49'38"W	60°10'45"N	138°10'35"W	miles 289.46 nautical	41.36 minutes
138	W to E	60°9'39"N	147°47'10"W	60°7'25"N	138°8'35"W	miles 289.70 nautical	41.40 minutes
139	W to E	60°6'26"N	147°46'45"W	60°4'11"N	138°8'38"W	miles 289.94 nautical	41.43 minutes

140	E to W	60°0'56"N	138°8'37"W	60°3'14"N	147°46'17"W	290.18 nautical miles	41.47 minutes
141	E to W	59°57'42"N	138°8'40"W	60°0'1"N	147°45'52"W	290.43 nautical miles	41.50 minutes
142	E to W	59°54'27"N	138°8'43"W	59°56'49"N	147°45'27"W	290.67 nautical miles	41.54 minutes
143	E to W	59°51'13"N	138°8'46"W	59°53'37"N	147°45'2"W	290.91 nautical miles	41.57 minutes
144	W to E	59°50'21"N	147°46'41"W	59°48'4"N	138°10'53"W	291.15 nautical miles	41.61 minutes
145	E to W	59°44'48"N	138°10'15"W	59°47'9"N	147°46'20"W	291.76 nautical miles	41.69 minutes
146	E to W	59°41'29"N	138°8'27"W	59°44'0"N	147°43'48"W	291.86 nautical miles	41.71 minutes
147	E to W	59°38'15"N	138°8'46"W	59°40'47"N	147°43'24"W	291.96 nautical miles	41.72 minutes
152	S to N	59°14'6"N	144°42'14"W	62°29'48"N	144°50'39"W	196.88 nautical miles	28.13 minutes
153	SE to NW	57°33'32"N	136°47'18"W	62°22'0"N	145°48'2"W	396.69 nautical miles	56.69 minutes
154	NE to SW	60°56'4"N	142°32'58"W	59°21'43"N	145°1'3"W	120.41 nautical miles	17.21 minutes
156	NE to SW	59°21'3"N	132°29'42"W	57°31'13"N	136°58'51"W	179.15 nautical miles	25.60 minutes
157	NE to SW	60°8'1"N	133°50'41"W	58°16'4"N	138°19'50"W	178.07 nautical miles	25.45 minutes
158	N to S	62°30'14"N	140°23'8"W	59°16'24"N	140°40'39"W	194.69 nautical miles	27.82 minutes
185	N to S	59°32'24"N	138°8'6"W	58°14'53"N	137°14'49"W	82.46 nautical miles	11.78 minutes
186	S to N	58°15'46"N	137°9'59"W	59°33'19"N	138°3'7"W	82.46 nautical	11.78 minutes

187	N to S	59°34'14"N	137°58'7"W	58°16'39"N	137°5'9"W	82.46 nautical miles	11.78 minutes
188	N to S	59°35'9"N	137°53'8"W	58°17'32"N	137°0'19"W	82.46 nautical miles	11.78 minutes
189	S to N	58°18'24"N	136°55'29"W	59°36'3"N	137°48'8"W	82.46 nautical miles	11.78 minutes
190	S to N	58°19'17"N	136°50'38"W	59°36'58"N	137°43'7"W	82.46 nautical miles	11.78 minutes
191	SE to NW	57°37'0"N	134°2'53"W	59°43'24"N	137°16'45"W	162.09 nautical miles	23.16 minutes
192	SE to NW	57°38'57"N	133°58'5"W	59°45'28"N	137°11'51"W	162.09 nautical miles	23.16 minutes
193	SE to NW	57°40'54"N	133°53'16"W	59°47'33"N	137°6'56"W	162.09 nautical miles	23.16 minutes
194	SE to NW	57°42'51"N	133°48'27"W	59°49'37"N	137°2'0"W	162.09 nautical miles	23.16 minutes
195	SE to NW	57°44'48"N	133°43'38"W	59°51'41"N	136°57'4"W	162.09 nautical miles	23.16 minutes
196	SE to NW	57°46'45"N	133°38'48"W	59°53'45"N	136°52'7"W	162.09 nautical miles	23.16 minutes
197	SE to NW	57°48'41"N	133°33'57"W	59°55'49"N	136°47'10"W	162.09 nautical miles	23.16 minutes
198	NW to SE	59°57'52"N	136°42'12"W	57°50'37"N	133°29'6"W	162.09 nautical miles	23.16 minutes
199	NW to SE	59°59'56"N	136°37'13"W	57°52'33"N	133°24'14"W	162.09 nautical miles	23.16 minutes
200	NW to SE	60°1'59"N	136°32'14"W	57°54'29"N	133°19'22"W	162.09 nautical miles	23.16 minutes
201	NW to SE	60°4'2"N	136°27'14"W	57°56'25"N	133°14'29"W	162.09 nautical miles	23.16 minutes

202	SE to NW	57°58'20"N	133°9'36"W	60°6'5"N	136°22'14"W	162.09 nautical miles	23.16 minutes
203	SE to NW	58°0'16"N	133°4'42"W	60°8'7"N	136°17'13"W	162.09 nautical miles	23.16 minutes
204	NW to SE	60°10'10"N	136°12'11"W	58°2'11"N	132°59'48"W	162.09 nautical miles	23.16 minutes
205	SE to NW	58°4'6"N	132°54'53"W	60°12'12"N	136°7'9"W	162.09 nautical miles	23.16 minutes
206	NW to SE	60°14'14"N	136°2'6"W	58°6'0"N	132°49'58"W	162.09 nautical miles	23.16 minutes
207	NE to SW	61°8'34"N	140°23'25"W	60°2'42"N	141°10'9"W	70.02 nautical miles	10.01 minutes
212	NE to SW	61°7'40"N	140°18'11"W	60°1'49"N	141°5'4"W	70.02 nautical miles	10.01 minutes
213	SW to NE	60°0'56"N	140°59'58"W	61°6'46"N	140°12'56"W	70.02 nautical miles	10.01 minutes
214	SW to NE	60°0'3"N	140°54'54"W	61°5'51"N	140°7'42"W	70.02 nautical miles	10.01 minutes
215	SW to NE	59°59'10"N	140°49'49"W	61°4'56"N	140°2'28"W	70.02 nautical miles	10.01 minutes
Total						25052.02 nautical miles	3579.96 minutes

NOTE: ** X-Band and P-Band Line