

Published Thermochronology

Table DR3: Published apatite and zircon thermochronolometric data.

sample	Lat	Long	Elevation [m]	Terrane Rock	Method	Age [Ma] $\pm 2\sigma$
<i>O'Sullivan & Currie, 1996</i>				<i>bedrock sample</i>		
Mt. Logan	60.6005	-140.5025	5924	Chugach	aFT	36.0 $\pm$ 6
Mt. Logan					zFT	43.8 $\pm$ 5
Mt. Logan	60.6180	-140.6522	5645	Chugach	aFT	40.2 $\pm$ 9
Mt. Logan	60.6000	-140.5166	5540	Chugach	aFT	39.9 $\pm$ 6
Mt. Logan	60.6022	-140.4855	5371	Chugach	aFT	25.6 $\pm$ 5
Mt. Logan	60.5833	-140.4166	5330	Chugach	aFT	40.3 $\pm$ 5
Mt. Logan	60.6000	-140.5333	5230	Chugach	aFT	27.8 $\pm$ 4
Mt. Logan	60.6180	-140.5666	5050	Chugach	aFT	36.6 $\pm$ 6
Mt. Logan	60.6172	-140.6516	4660	Chugach	aFT	14.6 $\pm$ 3
Mt. Logan	60.6180	-140.6522	4400	Chugach	aFT	14.5 $\pm$ 3
Mt. Logan	60.6166	-140.0166	3335	Chugach	aFT	25.7 $\pm$ 5
Mt. Logan					zFT	41.2 $\pm$ 4
Mt. Logan	60.6175	-140.7169	3290	Chugach	aFT	9.0 $\pm$ 2
Mt. Logan	60.5000	-140.2666	2470	Chugach	aFT	3.7 $\pm$ 0.6
Mt. Logan	60.4333	-140.2666	1783	Chugach	aFT	4.0 $\pm$ 0.6
Mt. Upton	60.7666	-140.2333	2760	Wrangellia	zFT	98.7 $\pm$ 13
<i>O'Sullivan et al., 1995</i>						
68APR72	59.9303	-139.4288	808	Yakutat	aFT	9.5 $\pm$ 5
68APS57F	59.1833	-138.2047	732	Yakutat	aFT	2.4 $\pm$ 1
68APR77D	59.0200	-138.0017	571	Yakutat	aFT	1.3 $\pm$ 1
67APR42A	59.8222	-138.9358	617	Yakutat	aFT	2.8 $\pm$ 1
67APR42B	59.7761	-138.9164	712	Yakutat	aFT	3.1 $\pm$ 2
69APR54A	60.2647	-140.9044	3354	Chugach	aFT	3.2 $\pm$ 1
81APR5	60.2714	-139.4322	2332	Chugach	aFT	3.4 $\pm$ 3
69APR32A	60.3017	-139.6017	2499	Chugach	aFT	4.4 $\pm$ 2
69APR40A	60.1888	-139.5455	1524	Chugach	aFT	1.7 $\pm$ 1
67APR78A	60.0714	-139.3653	922	Chugach	aFT	3.5 $\pm$ 2
80APR49A	59.8967	-138.9033	1250	Chugach	aFT	2.7 $\pm$ 1
78APR8	59.2011	-137.9641	600	Chugach	aFT	2.5 $\pm$ 0.7

<i>Spotila et al., 2004</i>						Aliquot age	
99CH2	60.7203	-142.5435	754	Chugach	aHe	7.8	8.2 ± 0.8
					aHe	8.5	
					zHe	27.6	26.0 ± 2.1
					zHe	24.3	
01CH29	60.2926	-142.3558	1082	Yakutat	aHe	3.9	3.9 ± 0.4
01CH34	60.2134	-142.6270	579	Yakutat	aHe	3.9	NR
					aHe	12.4	
					zHe	47.9	NR
					zHe	60.1	
01CH38	60.3194	-143.1168	640	Yakutat	aHe	1.3	1.4 ± 0.2
					aHe	1.5	
01CH39	60.2625	-143.3121	297	Yakutat	aHe	2.3	2.2 ± 0.2
					aHe	2.0	
					zHe	47.6	47.7 ± 7.6
					zHe	47.7	
01CH41	60.0592	-141.9400	274	Yakutat	aHe	16.3	16.3
01CH43	60.1809	-141.1756	279	Yakutat	aHe	0.9	1.0 ± 0.5
				Yakataga Fm.	aHe	0.6	
					aHe	1.4	
					zHe	74.3	NR
					zHe	50.8	
01CH45	60.6572	-142.4146	1783	Chugach	aHe	9.0	9.7 ± 1.0
					aHe	9.8	
					aHe	10.3	
01CH47	60.7672	-142.6065	1494	Chugach	aHe	14.3	13.3 ± 1.3
					aHe	12.3	
01CH48	60.7911	-142.6368	1920	Chugach	aHe	16.0	16 ± 1.6
					aHe	11.9	
01CH49	60.6793	-142.5340	2012	Chugach	aHe	13.8	13.0 ± 1.3
					aHe	12.1	
01CH55	60.1866	-141.0804	1204	Yakutat	zHe	30.1	NR
					zHe	33.4	
01CH56	60.2482	-141.1171	1135	Yakutat	aHe	4.6	5.8 ± 0.6
					aHe	7.0	
02CH1	61.3408	-144.2049	1829	Chugach	aHe	31.5	28.7 ± 2.9
					aHe	25.8	
02CH2	61.3425	-144.1896	1524	Chugach	aHe	29.4	29.8 ± 3.0
					aHe	30.1	
02CH3	61.3231	-144.1405	1074	Chugach	aHe	36.5	36.5
02CH4	61.3344	-144.1521	1259	Chugach	aHe	28.0	27.9 ± 2.8
					aHe	27.7	
02CH19	60.9221	-142.4012	1402	Chugach	aHe	18.4	18.3 ± 1.8
					aHe	18.3	
02CH28	60.2573	-141.1584	1625	Yakutat	aHe	3.3	4.8 ± 1.5
					aHe	6.3	
02CH31	60.2855	-141.4542	1387	Yakutat	aHe	1.2	1.2 ± 0.1

02CH32	60.3435	-141.7640	1478	Yakutat	aHe	1.3	1.5 ± 0.2
					aHe	1.4	
					aHe	1.7	
<i>Berger et al., 2008</i>							
01CH29	60.2926	-142.3558	1082	Yakutat	aHe	0.56	0.7 ± 0.11
				Kultieth Fm.	aHe	0.61	
					aHe	0.64	
					aHe	0.84	
					aHe	0.71	
					aHe	0.83	0.58 ± 0.04
01CH32	60.3434	-142.4418	442	Yakutat	aHe	0.66	
				Kultieth Fm.	aHe	0.55	
					aHe	0.55	
					aHe	0.57	
					aHe	0.59	1.79 ± 0.59
01CH34	60.2134	-142.6270	579	Yakutat	aHe	1.19	
				Poul Creek Fm.	aHe	2.70	
					aHe	1.37	
					aHe	1.44	
					aHe	2.27	0.91 ± 0.04
01CH36	60.3340	-142.6010	884	Yakutat	aHe	0.95	
				Kultieth Fm.	aHe	0.93	
					aHe	0.90	
					aHe	0.82	
					aHe	0.93	1.02 ± 0.17
01CH37	60.3026	-142.7810	221	Yakutat	aHe	0.98	
				Kultieth Fm.	aHe	1.26	
					aHe	0.84	
					aHe	<u>2.37</u>	
01CH38	60.3194	-143.1168	640	Yakutat	aHe	2.06	1.47 ± 0.43
				Kultieth Fm.	aHe	1.27	
					aHe	1.07	
01CH41	60.0592	-141.9400	274	Yakutat	aHe	<u>8.21</u>	1.96 ± 0.54
				Yakataga Fm.	aHe	<u>27.20</u>	
					aHe	1.28	
					aHe	2.59	
					aHe	2.00	
					aHe	<u>4.44</u>	2.86 ± 0.52
01CH54	60.1548	-141.9881	1707	Yakutat	aHe	2.79	
				Yakataga Fm.	aHe	2.69	
					aHe	2.27	
					aHe	3.70	
					aHe	<u>8.96</u>	0.71 ± 0.03
02CH31	60.2855	-141.4542	1387	Yakutat	aHe	0.71	
				Kultieth Fm.	aHe	0.67	
					aHe	0.70	
					aHe	0.74	
02CH33	60.3095	-141.2241	2432	Yakutat	aHe	1.66	1.34± 0.18
				Kultieth Fm.	aHe	1.19	

					aHe	1.19	
					aHe	1.40	
					aHe	1.27	
02CH34	60.4184	-141.7631	1798	Prince William	aHe	1.96	1.96
05STP1	60.4208	-143.5028	946	Yakutat	<i>zHe</i>	13.61	12.9 ± 1.1
					<i>zHe</i>	12.09	
05STP6	60.4608	-143.0588	1052	Prince William	aHe	0.86	0.76 ± 0.07
					aHe	0.73	
					aHe	0.70	
					aHe	1.82	
					<i>zHe</i>	5.81	5.1 ± 1
					<i>zHe</i>	4.38	
					<i>zFT</i>	42.7	42.7 ± 4.4
05STP10	60.8622	-143.3235	1804	Chugach	aHe	25.7	22.8 ± 1.8
					aHe	23.8	
					aHe	20.5	
					aHe	21.7	
					aHe	22.1	
05STP13	60.4608	-143.0588	816	Yakutat	aHe	0.82	0.72 ± 0.1
				Kultieth Fm.	aHe	0.85	
					aHe	0.78	
					aHe	0.62	
					aHe	0.67	
					aHe	0.59	
					<i>zHe</i>	10.65	9.6 ± 1.4
					<i>zHe</i>	8.61	
05STP18	60.4007	-142.5130	1250	Yakutat	aHe	0.76	0.85 ± 0.07
				Kultieth Fm.	aHe	0.94	
					aHe	0.81	
					aHe	0.90	
05STP19	60.4333	-142.4904	1156	Prince William	aHe	0.80	0.81 ± 0.03
					aHe	0.78	
					aHe	0.85	
					aHe	0.82	
05STP23	60.6012	-142.3409	1432	Chugach	aHe	7.86	6.86 ± 1.26
					aHe	8.05	
					aHe	7.74	
					aHe	5.42	
					aHe	5.21	
05STP36	60.5542	-141.7456	2171	Chugach	aHe	9.04	9.03 ± 0.5
					aHe	9.17	
					aHe	8.40	
					aHe	8.65	
					aHe	9.87	
					aHe	14.68	
06STP21	60.2950	-141.9651	1678	Yakutat	aHe	0.64	0.68 ± 0.08
				Poul Creek Fm.	aHe	0.82	
					aHe	0.66	
					aHe	0.60	
06STP41	60.7438	-141.9648	900	Chugach	aHe	16.8	16.9 ± 1.15
					aHe	18.4	
					aHe	15.6	

06STP44	60.7536	-141.9265	1732	Chugach	aHe	21.9	20.7 ± 1.2
					aHe	19.5	
06STP46	60.7601	-141.8869	2428	Chugach	aHe	26.1	27.8 ± 2.79
					aHe	25.5	
					aHe	31.7	
06STP72	60.0652	-142.4314	0	Yakutat	aHe	2.13	2.98 ± 0.77
				Yakataga Fm.	aHe	3.99	
					aHe	2.82	
					aHe	<u>5.05</u>	
06STP74	60.2011	-142.8231	216	Yakutat	aHe	1.02	1.04 ± 0.03
				Yakataga Fm.	aHe	1.07	
					aHe	1.06	
					aHe	0.99	
06STP81	60.2140	-142.2416	1954	Yakutat	aHe	1.08	1.29 ± 0.29
				Poul Creek Fm.	aHe	0.99	
					aHe	1.33	
					aHe	<u>3.75</u>	
					aHe	1.74	
<i>Berger & Spotila, 2008</i>							
05STP1	60.4200	-143.5028	946	Yakutat	aHe	0.45	0.53 ± 0.07
				Kultieth Fm.	aHe	0.67	
					aHe	0.55	
					aHe	0.54	
					aHe	0.50	
					aHe	0.45	
05STP2	60.3931	-143.5422	620	Yakutat	aHe	0.39	0.44 ± 0.03
				Kultieth Fm.	aHe	0.43	
					aHe	0.46	
					aHe	0.47	
					aHe	0.47	
05STP3	60.4332	-143.5044	1252	Yakutat	aHe	0.64	0.53 ± 0.1
				Kultieth Fm.	aHe	0.65	
					aHe	0.39	
					aHe	0.44	
					aHe	0.55	
05STP4	60.3896	-143.6997	394	Yakutat	aHe	0.86	0.74 ± 0.07
				Kultieth Fm.	aHe	0.73	
					aHe	0.72	
					aHe	0.78	
					aHe	0.62	
					aHe	0.75	
05STP7	60.8838	-143.7637	1140	Chugach	aHe	25.9	25.1 ± 0.87
					aHe	25.3	
					aHe	25.4	
					aHe	23.6	
05STP11	60.5428	-143.4165	1448	Prince William	aHe	<u>17.3</u>	1.78 ± 0.83
					aHe	2.86	
					aHe	1.64	
					aHe	0.84	
05STP15	60.2306	-143.9758	488	Yakutat	aHe	1.76	1.8 ± 0.11

				Poul Creek Fm.	aHe	<u>22.80</u>	
					aHe	1.72	
					aHe	<u>2.47</u>	
					aHe	1.99	
					aHe	1.74	
					aHe	<u>2.71</u>	
05STP26	60.6469	-143.7903	2208	Chugach	aHe	2.14	2.28 ± 0.16
					aHe	2.06	
					aHe	2.35	
					aHe	2.23	
					aHe	2.54	
					aHe	2.36	
05STP27	60.4996	-143.7248	1704	Yakutat	aHe	0.63	0.63 ± 0.11
				Kultieth Fm.	aHe	0.74	
					aHe	0.76	
					aHe	0.46	
					aHe	0.57	
05STP33	60.6441	-143.7239	2758	Chugach	aHe	1.79	1.66 ± 0.09
					aHe	1.53	
					aHe	1.60	
					aHe	1.58	
					aHe	1.70	
					aHe	1.74	
06STP1	60.1686	-140.5297	1189	Yakutat	aHe	1.65	1.55
				Poul Creek/	aHe	<u>5.54</u>	
				Yakataga	aHe	1.45	
					aHe	<u>4.82</u>	
					aHe	<u>8.78</u>	
06STP3	60.1643	-140.3476	1713	Yakutat	aHe	7.41	7.21 ± 1.16
				Poul Creek Fm	aHe	8.41	
					aHe	<u>148</u>	
					aHe	5.30	
					aHe	<u>122</u>	
					aHe	7.72	
					aHe	<u>13.5</u>	
06STP4	60.2369	-140.4611	1676	Prince William	aHe	<u>1.44</u>	0.56 ± 0.08
					aHe	0.59	
					aHe	0.44	
					aHe	<u>1.80</u>	
					aHe	0.64	
06STP50	60.4488	-143.9837	875	Yakutat	aHe	1.02	1.09 ± 0.09
				Kultieth Fm.	aHe	1.23	
					aHe	1.00	
					aHe	1.09	
06STP71	60.1333	-140.7119	853	Yakutat	aHe	5.35	3.95 ± 1.06
				Yakataga Fm.	aHe	3.73	
					aHe	<u>8.47</u>	
					aHe	2.78	
					aHe	<u>8.08</u>	
01CH22	60.9104	-144.3150	1532	Chugach	aHe	20.1	18.9 ± 1.2
					aHe	17.7	
01CH25	60.6940	-144.3774	320	Chugach	aHe	9.92	10.7 ± 1.31

					aHe	9.71	
					aHe	10.5	
					aHe	10.2	
					aHe	<u>19.7</u>	
					aHe	13.3	
01CH26	60.4990	-144.4772	884	Chugach	aHe	1.79	2.02 ± 0.14
					aHe	2.04	
					aHe	2.19	
					aHe	2.06	
02CH28	60.2573	-141.1584	1625	Yakutat Kultieth Fm.	aHe	<u>2.19</u>	0.74 ± 0.14
					aHe	0.55	
					aHe	0.87	
					aHe	0.81	
<i>McAleer et al., 2009</i>							
03PH305A	59.1281	-138.0839	88	Yakutat tonalite	aHe	2.65	1.82 ± 0.49
					aHe	1.35	
					aHe	1.72	
					aHe	1.66	
					aHe	2.25	
					aHe	1.27	
					zHe	2.28	2.45 ± 0.17
					zHe	2.65	
					zFT		27.5 ± 1.5
03PH306A	59.4272	-138.1097	67	Chugach	aHe	4.72	5.11 ± 0.65
					aHe	4.24	
					aHe	5.67	
					aHe	5.81	
03PH307A	59.4378	-138.2490	243	Chugach	aHe	2.01	2.34 ± 0.33
					aHe	2.66	
					zHe	12.20	13.0 ± 0.79
					zHe	13.80	
					zFT		16.5 ± 0.8
03PH308A	59.4214	-138.4510	453	Yakutat tonalite	zHe	2.34	2.6 ± 0.26
					zHe	2.85	
					zFT		18.8 ± 1.2
03PH309A	59.4044	-138.6967	741	Yakutat gneiss	aHe	2.39	2.56 ± 0.17
					aHe	2.72	
					aHe	<u>7.05</u>	
					aHe	<u>10.50</u>	
03PH310A	59.9417	-139.2331	926	Yakutat diorite	aHe	1.55	1.67 ± 0.12
					aHe	1.64	
					aHe	1.83	
03PH311A	60.0225	-139.2058	1610	Chugach	aHe	0.73	0.89 ± 0.11
					aHe	0.97	
					aHe	0.97	
					zHe	1.86	1.96 ± 0.09
					zHe	2.05	
					zFT		4.5 ± 0.3
69APR31B	60.2867	-139.1983	1829	Wrangellia	aHe	3.99	3.62 ± 0.34

					aHe	3.79	
					aHe	3.88	
					aHe	3.16	
					aHe	3.27	
69APR32A	60.3017	-139.6017	2499	Chugach	aHe	1.75	1.9 ± 0.14
					aHe	2.04	
80APR49A	59.8967	-138.9033	1250	Chugach	aHe	1.22	1.13 ± 0.08
					aHe	1.14	
					aHe	1.03	
89SR29	58.8958	-136.9125	0	Wrangellia	aHe	9.45	9.09 ± 0.44
					aHe	9.53	
					aHe	8.42	
					aHe	8.95	
95APo13	59.6006	-138.5422	914	Chugach	aHe	1.40	1.45 ± 0.04
					aHe	1.49	
					aHe	1.47	
95APo21	59.8144	-138.9167	0	Chugach	aHe	2.05	2.5 ± 0.51
					aHe	2.24	
					aHe	3.21	
MGB1	58.7573	-136.2563	0	Wrangellia	aHe	3.76	4.34 ± 0.88
					aHe	4.16	
					aHe	5.81	
					aHe	3.61	
MGB2	58.8959	-136.6648	0	Wrangellia	aHe	2.11	2.5 ± 0.3
					aHe	2.74	
					aHe	2.25	
					aHe	2.36	
					aHe	2.56	
					aHe	3.00	
MGB3	58.9718	-136.9458	0	Wrangellia	aHe	17.9	17.9 ± 0.25
					aHe	18.2	
					aHe	17.6	
MGB4	58.8899	-136.9171	232	Wrangellia	aHe	7.83	6.21 ± 1.15
					aHe	5.70	
					aHe	6.85	
					aHe	5.69	
					aHe	4.25	
					aHe	6.95	
MGB5	58.8941	-136.9230	128	Wrangellia	aHe	5.91	5.9 ± 0.42
					aHe	5.67	
					aHe	5.45	
					aHe	6.56	
MGB6	58.8982	-136.9256	0	Wrangellia	aHe	8.97	8.14 ± 1.44
					aHe	9.79	
					aHe	5.95	
					aHe	7.85	
MGB7	58.8484	-137.1213	0	Chugach	aHe	2.15	2.31 ± 0.16
					aHe	2.47	
MGB8	58.7254	-136.4105	0	Wrangellia	aHe	2.32	2.15 ± 0.17
					aHe	1.97	
					zHe	25.9	25.4 ± 0.44
					zHe	25.0	

MGB9	58.6066	-136.4647	0	Wrangellia	aHe	3.84	4.18 ± 0.7
					aHe	3.25	
					aHe	4.89	
					aHe	3.74	
					aHe	5.30	
					aHe	4.07	
MGB10	58.3315	-136.2065	0	Wrangellia	aHe	5.88	5.5 ± 0.35
					aHe	<u>11.10</u>	
					aHe	5.51	
					aHe	5.67	
					aHe	4.94	
MGB11	58.2800	-136.7756	0	Chugach	aHe	2.52	2.83 ± 0.31
					aHe	3.13	
MGB12	58.3979	-137.0723	0	Yakutat sandstone	aHe	1.61	0.93 ± 0.51
					aHe	0.77	
					aHe	<u>4.66</u>	
					aHe	2.54	
					aHe	0.40	
					<i>zHe</i>	25.0	
<i>Meigs et al., 2008</i>						Age population	Apparent age
01CH49	60.6793	-142.5340	2012	Chugach	aFT		13.3 ± 1.3
99CH2	60.7203	-142.5435	754	Chugach	aFT		13.8 ± 1.4
					zFT	28.2 (34%)	
					zFT	39.6 (66%)	
01CH45	60.6572	-142.4146	1783	Chugach	aFT		14.5 ± 1.3
01CH47	60.7672	-142.6065	1494	Chugach	aFT		27.3 ± 2.6
01CH53	60.4181	-142.5119	1326	Yakutat	aFT		3.4 ± 1.1
				Kultieth Fm.	zFT	26.4 (34%)	
					zFT	41.9 (49%)	
					zFT	68.4 (17%)	
02CH31	60.2855	-141.4542	1387	Yakutat	aFT		3.8 ± 0.9
				Kultieth Fm.	zFT	34.4 (59%)	
					zFT	53.4 (41%)	
01CH39	60.2625	-143.3121	297	Yakutat	aFT		4.0 ± 1.2
01CH48	60.7911	-142.6368	1920	Chugach	aFT		5.0 ± 2.1
					zFT	30.7 (16%)	
					zFT	57.5 (73%)	
					zFT	123 (23%)	
01CH29	60.2926	-142.3558	1082	Yakutat	aFT		5.5 ± 1.8
01CH43	60.1809	-141.1756	279	Yakutat	aFT		5.7 ± 2.1
01CH36	60.3340	-142.6010	883	Yakutat	aFT		5.8 ± 2.2
					zFT	41.2 (71%)	
					zFT	66.8 (29%)	
01CH32	60.3434	-142.4418	442	Yakutat	aFT		6.2 ± 2.0
01CH55	60.1866	-141.0804	1204	Yakutat	aFT		28.7 ± 3.8
					zFT	29.9 (55%)	
					zFT	40.8 (45%)	
01CH34	60.2134	-142.6270	579	Yakutat	aFT	6.3	NR

					zFT	34.1 (36%)	
					zFT	51.0 (48%)	
					zFT	100 (17%)	
01CH41	60.0592	-141.9400	274	Yakutat	aFT	31.5	NR
					zFT	38.0 (68%)	NR
					zFT	114 (32%)	
<i>Perry et al., 2009</i>					Age population		
05-09	60.1675	-142.6414		Yakutat	zFT	16.9 (40%)	NR
				Yakataga Fm.	zFT	32.4 (30%)	
					zFT	67.8 (30%)	
05-10	60.1683	-142.6291		Yakutat	zFT	15.8 (44%)	NR
				Yakataga Fm.	zFT	32.8 (40%)	
					zFT	72.5 (17%)	
05-11	60.1683	-142.6291		Yakutat	zFT	15.1 (37%)	NR
				Yakataga Fm.	zFT	29.8 (49%)	
					zFT	71.9 (14%)	
05-12	60.0542	-143.7861		Yakutat	zFT	21.3 (39%)	NR
				Yakataga Fm.	zFT	34.8 (49%)	
					zFT	76.8 (12%)	
05-07	60.3344	-142.6194		Yakutat	zFT	29.0 (39%)	NR
				Poul Creek Fm.	zFT	42.0 (50%)	
					zFT	67.2 (11%)	
05-08	60.3458	-142.6208		Yakutat	zFT	37.5 (96%)	NR
				Poul Creek Fm.	zFT	65.8 (4%)	
05-13	60.2833	-143.3208		Yakutat	zFT	24.4 (36%)	NR
				Poul Creek Fm.	zFT	38.9 (64%)	
					zFT	32.6 (59%)	NR
					zFT	54.7 (41%)	
05-01	60.2625	-143.0833		Yakutat	zFT	31.4 (78%)	NR
				Kultieth Fm.	zFT	57.6 (22%)	
05-03	60.3219	-143.1181		Yakutat	zFT	28.1 (34%)	NR
				Kultieth Fm.	zFT	43.5 (59%)	
					zFT	97.0 (6.6%)	
05-04	60.3181	-143.1211		Yakutat	zFT	30.8 (41%)	NR
				Kultieth Fm.	zFT	44.1 (59%)	
05-06	60.3344	-142.6164		Yakutat	zFT	22.3 (13%)	
				Kultieth Fm.	zFT	37.5 (82%)	
					zFT	80.2 (5%)	
05-17	60.7388	-143.4194		Yakutat	zFT	30.1 (80%)	NR
				Kultieth Fm.	zFT	45.3 (20%)	
<i>Enkelmann et al., 2008</i>					<i>Detrital samples</i>		
UT23	60.9250	-141.9831	1400	Wrangellia	zFT	92 (48%)	
					zFT	119 (52%)	

UT22	60.8839	-142.1931	1107	Chugach	zFT	30.4 (28%)
					zFT	42.1 (66%)
					zFT	82.8 (6%)
UT24	60.8839	-141.9075	1059	Chugach	zFT	32.9 (10%)
					zFT	77.2 (57%)
					zFT	102 (33%)
UT21	60.8014	-142.3014	1086	Chugach	zFT	13.1 (4%)
					zFT	28.2 (20%)
					zFT	42 (76%)
UT44	60.7375	-141.9533	837	Chugach	zFT	8.2 (5%)
					zFT	21.5 (48%)
					zFT	34.5 (47%)
UT46	60.8339	-142.7833	412	Chugach	zFT	13.5 (9%)
					zFT	21.7 (85%)
					zFT	35.6 (6%)
UT47	60.8336	-142.7458	426	Chugach	zFT	10.7 (4%)
					zFT	17.4 (12%)
					zFT	27.1 (49%)
					zFT	35.2 (35%)
YA1	60.1228	-142.3507	78	Yakutat	zFT	6.3 (4%)
					zFT	17.9 (17%)
					zFT	37.3 (62%)
					zFT	81.8 (17%)
YA2	60.0722	-142.1369	70	Yakutat	zFT	5.2 (12%)
					zFT	10.7 (32%)
					zFT	24.8 (40%)
					zFT	60 (16%)
YA3	60.22	-142.5324	91	Yakutat	zFT	9.9 (2%)
					zFT	25.1 (21%)
					zFT	40.8 (55%)
					zFT	62.2 (16%)
					zFT	122 (7%)

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YA9	60.2674	-143.3254	73	Yakutat	zFT	23.3 (15%)
					zFT	45.4 (50%)
					zFT	71.1 (28%)
					zFT	114 (7%)
YA8	60.2131	-143.1809	6	Yakutat	zFT	14.2 (4%)
					zFT	30.2 (62%)
					zFT	54.5 (34%)
YA10	60.2607	-143.0315	59	Yakutat	zFT	24.7 (10%)
					zFT	34.4 (32%)
					zFT	52.4 (47%)
					zFT	77 (11%)
YA12	60.29	-142.7062	149	Yakutat	zFT	8.7 (3%)
					zFT	32.3 (14%)
					zFT	45.3 (44%)
					zFT	68.3 (31%)
					zFT	107 (8%)

YA11	60.2836	-142.6508	219	Yakutat	zFT	18.9 (4%)
					zFT	34.4 (37%)
					zFT	61.1 (37%)
YA7	60.3377	-142.3269	606	Yakutat	zFT	116 (7%)
					zFT	9.9 (2%)
					zFT	25.1 (21%)
					zFT	40.8 (55%)
YA4	60.0542	-141.9464	10	Yakutat	zFT	62.2 (16%)
					zFT	122 (7%)
					zFT	5.8 (6%)
					zFT	13.8 (15%)
YA6	60.0425	-141.8145	10	Yakutat	zFT	22.9 (30%)
					zFT	49.2 (35%)
					zFT	106 (14%)
					zFT	10.8 (13%)
YA5	60.0009	-141.6784	10	Yakutat	zFT	22.9 (27%)
					zFT	46.3 (48%)
					zFT	92.4 (12%)
					zFT	12.2 (19%)
IB6	60.0707	-141.4795	10	Yakutat	zFT	20.8 (25%)
					zFT	39.3 (22)
					zFT	63.9 (34%)
					zFT	10.4 (21%)
IB7	60.1714	-141.1521	12	Yakutat	zFT	18.5 (22%)
					zFT	32.2 (30%)
					zFT	52.9 (18%)
					zFT	88.5 (9%)
IB5	59.9743	-141.2178	16	Yakutat	zFT	6.1 (3%)
					zFT	17.1 (5%)
					zFT	35 (25%)
					zFT	52.3 (46%)
IB1	59.8057	-140.8638	39	Chug./Yakutat	zFT	81.4 (21%)
					zFT	6.3 (17%)
					zFT	14.7 (19%)
					zFT	30.7 (22%)
IB4	59.7622	-140.3954	9	Chug./Yakutat	zFT	45.6 (26%)
					zFT	86.6 (17%)
					zFT	3.1 (24%)
					zFT	24.1 (33%)
IB3	59.9128	-139.9944	76	Chug./Yakutat	zFT	63.7 (43%)
					zFT	2.6 (41%)
					zFT	56.2 (59%)
					zFT	2.1 (38%)
IB2	59.9181	-139.8986	70	Chug./Yakutat	zFT	14.2 (22%)
					zFT	55.5 (40%)
					zFT	2.6 (8%)
					zFT	47.5 (60%)
					zFT	83.4 (32%)

Note: underlined numbers were excluded from the original authors to calculate the average age.
aFT: apatite fission track, zFT: zircon fission track, aHe: apatite U-Th/He, zHe: zircon U-Th/He.
General zircon analysis are in italics.