Detrital amphibole ages in moraine/outwash samples from East Greenland, determined by the ^{40}Ar-^{39}Ar method

sample name	Ca/K	Cl/K	Mol ^{39}Ar ($x10^{-14}$)	$\%^{40}Ar^*$	Age (Ma)	± Age
L1102	19.1	0.0	0.007	69.5	279	13
L1102	8.8	0.4	0.033	98.5	454	14
L1102	46.2	0.2	0.014	77.5	678	15
L1102	0.3	0.0	0.055	98.1	740	15
L1102	39.1	0.2	0.023	97.0	831	15
L1102	30.2	1.6	0.021	98.5	1490	20
L1102	19.9	0.3	0.023	98.6	1660	21
L1105	6.4	0.4	0.231	98.9	369	14
L1105	5.9	0.5	0.102	99.2	378	14
L1105	8.0	0.4	0.091	95.6	398	14
L1105	10.5	0.2	0.014	100.2	440	14
L1105	6.8	0.0	0.125	96.4	443	14
L1105	6.2	0.2	0.077	98.1	446	14
L1105	5.7	0.0	0.109	93.1	447	14
L1105	8.9	0.0	0.133	96.3	466	14
L1105	11.4	0.2	0.022	102.2	476	14
L1105	7.6	0.3	0.107	97.8	518	14
L1105	11.1	0.0	0.073	94.3	549	14
L1105	12.5	0.0	0.063	97.1	589	14
L1105	19.6	0.2	0.106	95.9	607	14
L1105	11.2	0.0	0.072	87.0	662	15
L1105	12.0	0.2	0.072	98.5	734	15
L1105	14.8	0.2	0.068	98.2	739	15
L1105	9.7	0.2	0.072	92.7	768	15
L1105	14.5	0.0	0.070	98.1	778	15
L1105	9.5	0.3	0.065	97.5	820	15
L1105	8.5	0.4	0.082	98.0	889	16
L1105	9.7	0.0	0.074	93.1	1032	17
L1105	21.3	0.3	0.060	98.1	1434	19
L1105	19.2	0.0	0.027	86.2	1840	23
L1105	15.5	0.0	0.003	85.8	3323	36
M6000	2.1	0.0	0.322	98.0	425	14
M6000	5.5	0.0	0.153	90.2	426	14
M6000	8.9	0.0	0.201	99.4	430	14
M6000	6.3	0.0	0.161	97.4	433	14
M6000	14.8	0.0	0.203	99.2	435	14
M6000	3.6	0.0	0.356	98.9	436	14
M6000	3.4	0.0	0.633	98.4	437	14
M6000	22.4	0.0	0.117	97.9	439	14
M6000	13.5	0.0	0.098	20.3	442	14
M6000	3.4	0.0	0.158	98.3	445	14
M6000	3.7	0.0	0.423	98.7	445	14
M6000	11.3	0.0	0.103	74.0	445	14
M6000	5.7	0.0	0.208	96.3	446	14
M6000	7.7	0.0	0.141	101.5	469	14

sample name	Ca/K	Cl/K	Mol ^{39}Ar ($x10^{-14}$)	$\%^{40}Ar^{*}$	Age (Ma)	± Age
M6000	7.6	0.0	0.282	98.9	475	14
M6000	9.4	0.0	0.168	94.5	476	14
M6000	7.6	0.0	0.128	95.4	506	14
M6000	2.6	0.0	0.147	97.5	507	14
M6000	6.4	0.0	0.239	96.0	522	14
M6000	8.5	0.0	0.099	98.2	522	14
M6000	16.4	0.0	0.049	52.9	561	14
M6000	0.7	0.0	0.425	99.6	577	14
M6000	2.5	0.0	0.217	98.6	605	14
M6000	3.5	0.0	0.285	96.7	683	15
M6000	5.9	0.0	0.419	99.2	814	15
M6000	6.2	0.0	0.347	98.6	984	16
M6000	7.8	0.0	0.163	98.3	989	16
M6000	15.4	0.0	0.148	98.6	2132	25
M6002	29.2	0.0	0.014	62.0	349	13
M6002	29.7	0.0	0.018	68.1	382	14
M6002	24.9	0.0	0.021	82.8	389	14
M6002	30.6	0.0	0.013	79.8	393	14
M6002	14.3	0.0	0.019	86.7	395	14
M6002	3.0	0.1	0.021	86.7	398	14
M6002	147.8	0.0	0.016	86.3	417	14
M6002	14.7	0.0	0.046	94.5	418	14
M6002	53.3	0.0	0.038	98.3	420	14
M6002	34.9	0.0	0.036	94.8	425	14
M6002	33.8	0.0	0.112	81.7	448	14
M6002	17.0	0.0	0.056	96.2	490	14
M6002	31.4	-0.1	0.011	174.8	633	14
M6002	15.0	0.0	0.084	98.3	639	14
M6002	23.7	0.0	0.035	89.9	817	15
M6002	6.1	0.0	0.082	93.4	1133	17
M6002	4.9	0.0	0.041	87.3	1381	19
M6002	10.8	0.2	0.056	98.9	1447	19
M6002	11.3	0.0	0.043	96.4	1568	20
M6002	29.4	0.1	0.019	94.9	1595	21
M6002	29.8	0.0	0.036	96.2	1948	23
M6002	25.5	-0.4	0.008	10.4	1981	24
M6002	24.0	-0.1	0.038	102.4	2030	24
M6002	7.5	0.0	0.077	96.5	2186	25
M6006	9.7	0.0	0.011	68.3	354	13
M6006	7.3	0.1	0.003	15.6	373	14
M6006	15.9	0.0	0.064	90.1	378	14
M6006	22.2	0.1	0.016	95.0	384	14
M6006	12.9	0.0	0.079	98.6	384	14
M6006	7.3	0.2	0.108	97.8	385	14
M6006	17.1	0.2	0.019	94.6	407	14
M6006	11.6	0.1	0.054	95.4	421	14

sample name	Ca/K	Cl/K	Mol ^{39}Ar (x10^{-14})	%^{40}Ar*	Age (Ma)	± Age
M6006	5.3	0.0	0.187	97.2	422	14
M6006	12.5	0.0	0.056	95.0	429	14
M6006	12.0	0.0	0.081	95.2	434	14
M6006	18.6	0.0	0.038	96.1	437	14
M6006	13.7	0.0	0.027	88.9	439	14
M6006	11.2	0.1	0.044	91.2	455	14
M6006	17.5	0.0	0.035	91.2	499	14
M6006	12.7	0.0	0.037	87.8	516	14
M6006	14.0	0.0	0.041	96.1	533	14
M6006	48.3	0.0	0.016	53.7	533	14
M6006	7.3	0.7	0.045	83.4	540	14
M6006	11.0	0.0	0.029	86.6	561	14
M6006	1.1	0.2	0.011	96.7	3780	40
M6007	9.6	0.1	0.002	99.9	480	10
M6011	9.0	0.6	0.159	98.4	392	14
M6011	11.5	0.3	0.034	93.0	400	14
M6011	5.5	0.0	0.251	97.3	406	14
M6011	6.5	0.0	0.255	29.8	413	14
M6011	7.7	0.2	0.060	94.9	414	14
M6011	6.0	0.0	0.349	98.2	417	14
M6011	15.3	0.0	0.065	89.2	423	14
M6011	7.2	0.0	0.239	92.9	455	14
M6011	11.4	0.2	0.050	95.2	464	14
M6011	7.4	0.0	0.021	27.7	469	14
M6011	13.6	0.0	0.074	73.6	473	14
M6011	8.3	0.5	0.125	93.4	478	14
M6011	17.8	0.0	0.063	83.9	497	14
M6011	7.9	0.1	0.033	87.0	533	14
M6011	9.3	0.0	0.270	93.6	534	14
M6011	10.3	0.4	0.039	92.1	556	14
M6011	13.3	0.1	0.029	92.5	557	14
M6011	9.2	0.2	0.032	86.8	568	14
M6011	10.6	0.2	0.075	90.2	575	14
M6011	14.3	0.0	0.132	95.0	813	15
M6011	6.4	0.5	0.003	87.3	955	16
M6011	21.3	0.0	0.070	91.7	1115	17
M6011	2.5	0.2	0.008	93.9	2131	25
M6012	14.1	0.1	0.087	97.0	385	14
M6012	10.1	0.1	0.078	98.7	386	14
M6012	17.7	0.0	0.048	94.3	388	14
M6012	29.1	0.1	0.019	90.0	389	14
M6012	5.4	0.2	0.253	97.2	389	14
M6012	5.6	0.4	0.048	95.8	392	14
M6012	28.7	0.8	0.069	95.7	392	14
M6012	7.0	0.0	0.174	97.3	395	14
M6012	18.5	0.5	0.090	97.7	397	14

sample name	Ca/K	Cl/K	Mol ^{39}Ar (x10^{-14})	%^{40}Ar*	Age (Ma)	± Age
M6012	13.0	0.0	0.018	87.3	398	14
M6012	8.3	0.1	0.113	98.1	399	14
M6012	22.5	0.3	0.037	87.3	400	14
M6012	74.6	0.2	0.015	85.0	403	14
M6012	7.9	0.4	0.103	98.8	407	14
M6012	8.2	0.0	0.155	94.1	408	14
M6012	16.1	0.0	0.077	87.1	413	14
M6012	11.9	0.2	0.013	81.2	419	14
M6012	23.8	0.2	0.041	95.6	420	14
M6012	46.5	0.4	0.028	90.2	422	14
M6012	17.6	0.5	0.040	92.9	423	14
M6012	8.3	0.0	0.138	89.8	427	14
M6012	6.3	0.0	0.156	89.8	430	14
M6012	6.7	0.2	0.098	96.9	431	14
M6012	7.8	1.7	0.128	98.1	431	14
M6012	6.5	0.0	0.213	89.7	434	14
M6012	10.7	0.4	0.075	92.4	446	14
M6012	0.3	0.0	0.510	89.4	450	14
M6012	17.2	0.4	0.064	96.0	452	14
M6012	17.7	0.6	0.048	69.3	489	14
M6012	80.2	0.4	0.016	77.5	492	14
M6012	6.9	0.0	0.202	95.2	495	14
M6012	7.1	0.3	0.031	95.2	502	14
M6012	31.7	1.3	0.043	95.6	512	14
M6012	13.5	0.0	0.108	24.0	522	14
M6012	11.2	0.8	0.105	95.8	532	14
M6012	7.7	0.1	0.096	92.4	560	14
M6012	35.7	0.2	0.025	95.4	575	14
M6012	7.3	0.0	0.172	97.1	684	15
M6012	6.0	1.9	0.215	97.8	687	15
M6012	9.1	1.5	0.140	95.0	1036	17
M6012	28.1	0.3	0.047	97.9	1181	18
M6012	34.4	1.4	0.028	97.2	1622	21
M6012	17.6	0.3	0.056	96.2	1949	23
M6014	6.3	0.4	0.033	97.5	350	13
M6014	9.9	0.3	0.114	93.9	350	13
M6014	7.5	0.4	0.107	95.3	368	14
M6014	12.6	0.0	0.045	90.5	383	14
M6014	6.2	0.5	0.049	91.2	383	14
M6014	5.8	0.2	0.051	92.5	384	14
M6014	8.0	0.0	0.039	97.7	387	14
M6014	5.9	0.1	0.145	98.5	388	14
M6014	26.7	0.0	0.027	89.0	390	14
M6014	5.8	0.2	0.079	97.8	393	14
M6014	14.1	0.0	0.039	91.9	395	14
M6014	10.2	0.0	0.093	91.3	397	14

sample name	Ca/K	Cl/K	Mol ^{39}Ar (x10^{-14})	%^{40}Ar*	Age (Ma)	± Age
M6014	8.5	0.2	0.110	96.9	402	14
M6014	30.0	-0.1	0.006	46.8	409	14
M6014	8.4	0.0	0.008	40.3	409	14
M6014	6.0	0.2	0.056	96.3	410	14
M6014	14.0	0.2	0.126	98.6	420	14
M6014	9.3	0.8	0.054	93.6	426	14
M6014	6.6	0.2	0.191	98.5	437	14
M6014	7.8	1.1	0.161	95.9	453	14
M6014	15.4	0.6	0.098	96.2	455	14
M6014	19.6	0.1	0.034	90.3	458	14
M6014	5.2	0.0	0.218	94.0	461	14
M6014	6.7	0.1	0.290	97.2	472	14
M6014	16.8	0.0	0.054	97.4	482	14
M6014	5.4	0.2	0.142	96.5	491	14
M6014	5.7	0.0	0.210	97.7	514	14
M6014	10.7	0.2	0.069	97.7	557	14
M6014	10.3	0.0	0.056	89.0	566	14
M6014	9.1	0.3	0.079	93.6	594	14
M6014	32.6	0.3	0.050	90.8	626	14
M6014	15.5	0.2	0.124	94.2	631	14
M6014	4.0	0.0	0.167	98.0	642	14
M6014	9.0	0.2	0.028	94.4	740	15
M6014	6.7	0.4	0.053	96.0	773	15
M6014	8.3	0.0	0.113	99.5	904	16
M6014	0.5	0.0	0.011	91.2	1038	17
M6014	10.9	0.2	0.061	97.4	1153	17
M6014	0.2	0.1	0.041	96.8	1257	18
M6014	36.1	0.0	0.044	99.2	3710	39
M6016	12.3	0.0	0.155	94.9	399	14
M6016	8.3	0.0	0.274	93.5	402	14
M6016	10.9	0.0	0.149	92.8	408	14
M6016	7.6	0.0	0.320	96.1	441	14
M6016	10.8	0.0	0.172	91.0	449	14
M6016	13.8	0.0	0.196	95.7	520	14
M6016	19.0	0.0	0.057	90.2	588	14
M6016	34.1	0.0	0.061	92.7	1034	17
M6016	30.7	0.0	0.117	98.3	2286	26
M6018	6.4	0.0	0.063	96.7	409	14
M6018	5.0	0.1	0.024	93.3	410	14
M6018	4.6	0.1	0.036	95.1	448	14
M6018	15.3	0.0	0.009	39.7	516	14
M6018	5.7	0.0	0.051	92.1	532	14
M6018	10.4	0.0	0.024	85.3	617	14
M6018	11.4	0.0	0.023	98.6	916	16
SW5212	9.2	0.3	0.001	80.6	387	8
SW5212	4.9	0.0	0.002	98.8	410	8

sample name	Ca/K	Cl/K	Mol ^{39}Ar (x10^{-14})	%^{40}Ar*	Age (Ma)	± Age
SW5212	10.3	0.0	0.001	96.8	417	8
SW5212	12.8	0.0	0.001	91.5	431	9
SW5212	3.6	0.0	0.001	95.8	465	9
SW5212	10.2	0.0	0.001	91.0	503	10
SW5212	5.3	0.0	0.001	98.2	506	10
SW5212	4.7	0.0	0.001	99.4	721	14
SW5212	3.8	0.0	0.002	96.2	783	16
SW5212	9.1	0.0	0.001	98.6	1079	22
SW5212	0.8	0.1	0.002	98.9	1220	24
SW5212	29.9	-0.1	0.001	101.6	1432	29
SW5212	23.9	0.0	0.001	98.3	2327	47
SW5241	6.2	0.0	0.003	102.0	433	9
SW5241	5.1	0.0	0.002	95.4	435	9
SW5241	4.7	0.0	0.002	98.6	439	9
SW5241	4.6	0.0	0.004	100.3	472	9
SW5241	5.3	0.0	0.002	42.8	503	10
SW5241	3.2	0.0	0.002	100.0	1705	34
SW5250	0.0	0.0	0.008	44.5	13	0
SW5250	7.1	0.0	0.002	66.2	60	1
SW5250	0.2	0.0	0.022	54.3	172	3
SW5250	2.7	0.1	0.001	98.0	226	5
SW5250	2.9	0.1	0.003	84.3	273	5
SW5250	3.6	0.1	0.004	100.2	314	6
SW5250	2.7	0.0	0.001	86.7	331	7
SW5250	1.7	-0.1	0.001	87.5	345	7
SW5250	4.9	0.0	0.001	84.5	362	7
SW5250	7.0	0.0	0.001	85.2	370	7
SW5250	4.9	0.1	0.003	97.8	371	7
SW5250	4.4	0.0	0.002	99.7	388	8
SW5250	4.3	0.0	0.002	101.4	392	8
SW5250	4.4	0.0	0.002	97.2	395	8
SW5250	4.8	0.0	0.003	87.6	400	8
SW5250	8.2	0.0	0.002	79.0	402	8
SW5250	8.2	0.0	0.002	97.0	402	8
SW5250	6.7	0.0	0.002	95.0	405	8
SW5250	-0.4	0.0	0.010	97.0	407	8
SW5250	14.8	0.1	0.001	96.3	408	8
SW5250	6.1	0.0	0.003	96.5	414	8
SW5250	5.0	0.0	0.002	94.4	418	8
SW5250	5.3	0.0	0.001	95.4	418	8
SW5250	5.6	0.0	0.001	91.3	420	8
SW5250	12.4	0.0	0.001	97.3	421	8
SW5250	7.5	0.0	0.002	96.8	435	9
SW5250	4.8	0.0	0.001	92.0	482	10