

Supplementary data to accompany:

Diachronous Palaeozoic accretion of peri-Gondwanan terranes at the Laurentian margin by Waldron, Schofield, Murphy.

Table of detrital zircon data sources, with notes on interpretations of provenance and age.

Map of detrital zircon data sources.

Author	Sample	Formation	Relative to accretion	Depositional age information					Provenance	Notes
				Age max	Constraint	Age best estimate	Age min	Constraint (if different)		
NEW ENGLAND										
Macdonald, F. A., J. Ryan-Davis, R. A. Coish, J. L. Crowley, and P. Karabinos (2014), A newly identified Gondwanan terrane in the northern Appalachian Mountains: Implications for the Taconic orogeny and closure of the Iapetus Ocean, <i>Geology</i> , 42 (6), 539–542, doi:10.1130/g35659.1.										
	2711B	Moretown	Pre-accretion	526	Youngest 9 DZs +/- 9.9	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	2713	Moretown	Pre-accretion	528	Youngest 5 DZs +/- 16	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	2816	Hawley	Syn-accretion or post accretion	488	Age of poorly documented volcanic? Also 474	478	475	Intruded	Laurentian or mixed	7 Ediacaran grains
	2817	Hawley	Syn-accretion or post accretion	488	Age of poorly documented volcanic? Also 475	478	475	Intruded	Laurentian	Preferred depositional age matches Karabinos&Tucker abstract and is shown in 475 diagram by Macdonald et al.
	F1324	Cheshire	Pre-accretion	521	Regional correlations	515	509	"Cambrian" in USGS maps	Laurentian	May be a Hawke Bay equivalent
	F1326	Rowe							Laurentian	Ages shown at inferred tectonic interleaving 475
	F1328	Rowe		554	Youngest DZs +/-20				Laurentian	Ages shown at inferred tectonic interleaving 476
	F1329	Moretown	Pre-accretion	529	Youngest DZs +/- 12	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	HN 1	Hazen's Notch		521			509	Regional correlations	Laurentian	Laurentian rift succession or maybe from accretionary zone
	JRD12-01	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	JRD12-05	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	JRD12-08	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	JRD12-10	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	JRD12-11	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
	OQ*1	Ottawaquechee				475			Laurentian	Interpreted as Laurentian rift by Coish 1997 Part of Rowe belt so here shown as syn-accretion
	13*01	Moretown	Pre-accretion	526	Youngest DZs in other samples	510	502	Newfane Tonalite crosscuts +/-4	Gondwanan	
Dorais, M. J., R. P. Wintsch, W. R. Nelson, and M. Tubrett (2009), Insights into the Acadian orogeny, New England Appalachians: a provenance study of the Carrabassett and Kittery formations, Maine,										
	Various	Carabassett		419	Mapped stratigraphic correlation	417	416	Mapped stratigraphic correlation	Mixed	
Wintsch, R. P., J. N. Aleinikoff, G. J. Walsh, W. A. Bothner, A. M. Hussey, and C. M. Fanning (2007), Shrimp U-Pb evidence for a Late Silurian age of metasedimentary rocks in the Merrimack and Putnam-Nashoba terranes, eastern New England, <i>American Journal of Science</i> , 307(1), 119–167.										
	K1 (sample Me/K 1-95)	Kittery	Syn-accretion	485	Youngest DZ	436	418	Crosscutting intrusion	Laurentian	Interpretation changed from original author based on resemblance to newer Laurentian datasets
	B1 (sample MG130)	Berwick	Syn- or post-accretion	426	Youngest DZs	425	418	Crosscutting intrusion	Laurentian	
	H-N Hebron Formation (sample 88-201)	Hebron	Syn- or post-accretion	425	Youngest DZs	425	414	Crosscutting intrusion	Laurentian	
	H-C Hebron Fm (sample DR1)	Hebron	Syn- or post-accretion	425	Youngest DZs	425	414	Crosscutting intrusion	Laurentian	
	H-S Hebron Formation (sample 1BS9_04_02)	Hebron	Syn- or post-accretion	425	Youngest DZs	425	414	Crosscutting intrusion	Laurentian	
	T2 (quartzite) (sample 61504-1)	Tatnic Hill	Pre-accretion	426	Youngest DZ	425	408	Metamorphic overgrowths	Gondwanan	
De Souza, S., A. Tremblay, and G. Ruffet (2014), Taconian orogenesis, sedimentation and magmatism in the southern Quebec–northern Vermont Appalachians: Stratigraphic and detrital mineral record of Iapetan suturing, <i>American journal of science</i> , 314 (7), 1065–1103.										
	09MILAN01	Compton	Post-accretion	396	Youngest DZs	396			Laurentia	
	09MILAN02	Compton	Post-accretion	396	assumed same as 09MILAN01	396			Laurentia	
	09SV02	Magog Gp	Post-accretion	424	Youngest DZs	424			Laurentia	2 grains ~600 Ma
	09SV01	Magog Gp	Post-accretion	462	Underlying unit	455		Shown at 455 but no age constraint	Laurentia	
	10BUNKER01	Bunker Hill S Volcanic Mbr	Post-accretion	455	Youngest DZs	455			Laurentia	
	07BUNKER	Bunker Hill S Sedimentary Mbr	Syn-accretion			462			Laurentia	1 grain ~600 Ma
McWilliams, C. K., G. J. Walsh, and R. P. Wintsch (2010), Silurian-Devonian age and tectonic setting of the Connecticut Valley-Gaspe trough in Vermont based on U-Pb SHRIMP analyses of detrital zircons, <i>American Journal of Science</i> , 310(5), 325–363.										
	Sample 1	Waits River Formation	post-accretion	415	Youngest DZ +/-2	415	407	Volcanic higher in same unit +/-3	Mixed	
	Sample 2	Waits River Formation	post-accretion	418	Youngest DZ +/-7	418	407	Volcanic higher in same unit +/-3	Laurentia	
	Sample 3	Gile Mountain Formation	post-accretion	411	Youngest DZ +/-8	411	407	Volcanic higher in same unit +/-3	Laurentia	
	Sample 4	Gile Mountain Formation	post-accretion	409	Youngest DZ +/-5	409	407	Volcanic higher in same unit +/-3	Mixed	
Bradley, D. C., and P. O'Sullivan (2016), Detrital zircon geochronology of pre- and syn-collisional strata, Acadian orogen, Maine Appalachians, <i>Basin Research</i> , 29, 571-590, doi:10.1111/br.12188.										
	07DW02	Littleton	post-accretion	419	Mapped stratigraphic correlation	411	408	Cross-cutting pluton	Mixed	
	05MDw3	Madrid	post-accretion	420	Mapped stratigraphy; youngest DZs are 437	418	417	Mapped stratigraphy	Mixed	Preferred age on strat chart is too old for range stated in text
	05MDw4	Smalls Falls	post-accretion	427	Or 409 based on youngest DZ	426	409	Claimed Ludlow based on mapping would give upper limit of 423 if mapper age is correct	Laurentia	5 grains at 550-650 Maybe mixed?
	05MDw2	Perry Mountain	post-accretion	433		430	427	Wenlock based on units above and below	Laurentia	4 grains at ~550
	11Dw308A	Rangeley B	post-accretion	443		438	433	Mid - Late Llandovery fossils; Cross-cutting pluton 408 +/-5	Laurentia	4 grains at ~600
	11Dw306A	Quimby	post-accretion	443	Volcanic unit at base +/- 4	443	441	Overlain by Rangely Llandovery	Mixed	8 grains at ~ 600 Ma
	94MDw9	Ripogenous	post-accretion	426	Conodonts are U. Ludlow - Lower Lockhovian	420	415	Conodonts	Indeterminate	Possible typo in Bradley article 420 for 426?
	96MDw27	Tarratine upper mbr	post-accretion	411	Regional stratigraphic correlation	408	407	Overlying rhyolite	Laurentian	? Small sample; 1 grain at ~600
	96MDw28	Tarratine Misery Quartzite	post-accretion	411	Regional stratigraphic correlation	409	407	Overlying rhyolite	Laurentian	
	96MDw30	Tarratine lower mbr	post-accretion	411	Regional stratigraphic correlation	410	407	Overlying rhyolite	Indeterminate	Big peak at 1.6 Ga. Prob laurentian or mixed; 2 at 600 Ma;
MARITIME PROVINCES OF CANADA										
Wilson, R. A., C. R. Van Staal, and W. C. McClelland (2015), Synaccretionary sedimentary and volcanic rocks in the Ordovician Tetagouche backarc basin, New Brunswick, Canada: Evidence for a transition from foredeep to forearc basin sedimentation, <i>American Journal of Science</i> , 315 (10), 958–1001.										
	VL10-NB01 (n=85/92)	Tomogonops	Syn-accretion	455	Youngest DZs 455 Graptolites in underlying L. River Fm. <i>Diplograptus multidens</i> z.	449			Laurentia	
	VL10-NB02 (n=74/102)	Tomogonops	Syn-accretion	456	Graptolites in underlying L. River Fm. <i>D. multidens</i> z.. Youngest DZs 459	445			Laurentia	

Author	Sample	Formation	Relative to accretion	Depositional age information					Provenance	Notes	
				Age max	Constraint	Age best estimate	Age min	Constraint (if different)			
Dokken, R. J., and J. W. F. Waldron (2014), Detrital zircon geochronology of the Fredericton Trough, New Brunswick: Constraints on the Silurian closure of a remnant of the Iapetus Ocean, vol. 37, Abstracts, pp. 78–9, Fredericton, New Brunswick.	VL10-NB04 (n=85/101)	Val Michaud	Syn-accretion	454	Youngest DZs		448		Laurentia	Shown at 448 in Wilson.	
	VL10-NB05 (n=92/100)	Elmtree	Pre-accretion	457	Youngest DZs; stratigraphic argument via conodonts in underlying unit suggests <455		449		Indeterminate	Shown at 449 in Wilson.	
	VL13-NB01(n=56/66)	Duncans Brook	Post-accretion	444	Youngest DZs		444	444	Age of overlying White Head Fm.	Laurentia	Wilson gives preferred age of 442 but inconsistent with overlying Matapedia Group
	VL13-NB02	Duncans Brook	Post-accretion	444	Youngest DZs 455 but must be younger than VL13-NB01		444	444	Age of overlying White Head Fm.	Laurentia	Wilson gives preferred age of 441 but inconsistent with overlying Matapedia Group
	VL10-NB06 (n=42)	Knight's Brook	Pre-accretion	533	Youngest DZs		486	478	Igneous units overlying	Laurentia	Preferred age based on regional compilation
	NA003A	Digdeguash	Pre-accretion	442	<i>Coronograptus cyphus</i> z		441	441		Gondwanan	
	NA010A	Flume Ridge	Syn-accretion	441	Overlies Digdeguash		433	423	Intrusion +/-3	Laurentian	Surmised by Dokken to be older than Burtt's Corner because pre-dates Miramichi exhumation
	NA005A	Hayes Brook	Syn-accretion	442	<i>Coronograptus cyphus</i> z.		441	441		Laurentian	
	NA001A	Burtt's Corner	Syn-accretion	433	<i>Cyrtograptus linnarssoni (rigidus)</i> z.		432	431		Mixed	
	Murphy, J. B., J. Fernandez-Suarez, and T. E. Jeffries (2004), Lithochemical and Sm-Nd and U-Pb isotope data from the Silurian-Lower Devonian Arisaig Group clastic rocks, Avalon terrane, Nova Scotia: A record of terrane accretion in the Appalachian-Caledonide orogen, <i>Geological Society of America Bulletin</i> , 116(9), 1183–1201.	BB-1	Bear Brook	pre-accretion	463	Darriwilian		460	457	Igneous unit +/-3.4	Gondwanan
BC-1	Beechill Cove	pre-accretion	444	L. Llandovery		442	441		Gondwanan		
FR-1	French river	pre-accretion	433	L. Wenlock		432	431	Abundant fossils	Gondwanan	Possible Laurentian input	
SH-1	Stonehouse	pre-accretion	423	Pridoli - basal Lockhovan		421	419	Abundant fossils	Gondwanan	Possible Laurentian input	
Murphy, J. B., J. Fernandez-Suarez, J. D. Keppie, and T. E. Jeffries (2004), Contiguous rather than discrete Paleozoic histories for the Avalon and Meguma Terranes based on detrital zircon data, <i>Geology</i> , 32(7), 585–588.	WR-1	White Rock	pre-accretion	431	U. Wenlock		429	427		Gondwanan	
TB-1	Torbrook	pre-accretion	411	Praghan		409	408		Gondwanan		
Pothier, H. D., J. W. F. Waldron, S. A. DuFrane, C. E. White, and R. A. Jamieson (2015), Stratigraphy, Provenance and Tectonic Setting of the Lumsden Dam and Bluestone Quarry Formations (Lower Ordovician), Halifax Group, Nova Scotia, <i>Atlantic Geology</i> , 51, 51–83.	NB027A	Lumsden Dam	pre-accretion	485	Tremadocian <i>Rhabdinopora flabelliformis</i> z.		484	482		Gondwanan	
Waldron, J. W.F., C. E. White, S. M. Barr, A. Simonetti, and L. M. Heaman (2009), Provenance of the Meguma terrane, Nova Scotia: rifted margin of early Paleozoic Gondwana, <i>Canadian Journal of Earth Sciences</i> , 46, 1–9.	LA084A	Government Point (Tancook mbr)	pre-accretion	509	Cambrian Ser. 3 fossils		505	497		Gondwanan	
LR042A	Church Point	pre-accretion	509	Correlated lithologically with Tancook mbr.		505	497		Gondwanan		
NEWFOUNDLAND											
Cawood, P. A., and A. A. Nemchin (2001), Paleogeographic development of the east Laurentian margin: constraints from U-Pb dating of detrital zircons in the Newfoundland Appalachians, <i>Geological Society of America Bulletin</i> , 113, 1234–1246.	LM-6	American Tickle	syn-accretion	467	Darriwilian		463	458		Laurentian	
Willner, A. P., A. Gerdes, H.-J. Massonne, C. R. Van Staal, and A. Zagorevski (2014), Crustal Evolution of the Northeast Laurentian Margin and the Peri-Gondwanan Microcontinent Ganderia Prior to and During Closure of the Iapetus Ocean: Detrital Zircon U–Pb and Hf Isotope Evidence from Newfoundland, <i>Geoscience Canada</i> , 41(3), 345, doi:10.12789/geocanj.2014.41.046.	10Ca71	Flatwater Pond quartzite pebble	syn-accretion?	479	Contained boulders		477	476	Overlying volcanics	Laurentian	
10Ca131	King George IV	post-accretion	434	Youngest DZs		431	427	Wenlock to Ludlow	Mixed	5 grains 550-650, one 2066, 10 Mesoproterozoic	
10Ca162	Point Lemington	syn-accretion	450	Youngest DZ		450	444	Ordovician	Laurentian		
10Ca161	Moore's Cove	pre-accretion	467	Darriwilian		463	458	Darriwilian	Indeterminate	2 grains at 550, 3 Mesoproterozoic. Fossils below are latest Arenig-Llanvirn	
10Ca205	Gander Group	pre-accretion	495	youngest DZ		488	465	Overlying strata	Gondwanan		
Pollock, J. C., D. H. C. Wilton, C. R. van Staal, and K. D. Morrissey (2007), U-Pb detrital zircon geochronological constraints on the Early Silurian collision of Ganderia and Laurentia along the Dog Bay Line: The terminal Iapetus suture in the Newfoundland Appalachians, <i>American Journal of Science</i> , 307(2), 399–433, doi:10.2475/02.2007.04.	A	Goldson	syn-accretion	448	<i>Dicellograptus complanatus</i> z. to top of Ordovician		446	444		Indeterminate	
B	Goldson	syn-accretion	449	<i>D. complanatus</i> z. to top of Ordovician		446	444		Indeterminate		
C	Wigwam	post-accretion	433	Wenlock		430	422	Crosscut by dykes 422 +/-3	Laurentian	possibly post-accretion	
D	Wigwam	post-accretion	434	Wenlock		430	422	Crosscut by dykes 422 +/-3	Laurentian	small sample	
E	Rogerson Lake	post-accretion	427	Ludlow		426	423	Dates updated to 2012 timescale	Indeterminate		
F	Rogerson Lake	post-accretion	428	Ludlow		426	423	Dates updated to 2012 timescale	Mixed		
G	Outflow	pre-accretion	449	U. Katian		447	445	All dates fro Pollock updated to timescale	Indeterminate	Mostly syn-depositional zircon	
H	Big Indian Pond	syn-accretion	433	Wenlock to Ludlow		430	423		Mixed	?	
Pollock, J. C., J. P. Hibbard, and P. J. Sylvester (2009), Early Ordovician rifting of Avalonia and birth of the Rheic Ocean: U-Pb detrital zircon constraints from Newfoundland, <i>Journal of the Geological Society</i> , 166(3), 501–515, doi:10.1144/0016-76492008-088.	Redmans	Redmans	pre-accretion	478	Upper <i>Didymograptus extensus</i> (ie <i>Isograptus gibberulus</i>) z. graptolites higher in section		475	468		Gondwanan	
BRITAIN AND IRELAND											
Waldron, J., J. D. Floyd, A. Simonetti, and L. M. Heaman (2008), Ancient Laurentian detrital zircon in the closing Iapetus Ocean, Southern Uplands terrane, Scotland, <i>Geology</i> , 36, 527–530.	VL99-21	Point Lemington	syn-accretion	453	Katian Within <i>Dicranograptus clingani</i> zone		452	450		Laurentian	2 x 600 Ma grains and one 2037 suggest tiny Gondwanan input?
VL99-23	Goldson	syn-accretion	437	Shelly fossils U. Aeronian to possibly Teillichian		436	435		Laurentian		
McConnell, B., R. Rogers, and Q. Crowley (2016), Sediment provenance and tectonics on the Laurentian margin: implications of detrital zircons ages from the Central Belt of the Southern Uplands–Down–Longford Terrane in Co. Monaghan, Ireland, <i>Scottish Journal of Geology</i> , 52(1), 11–17, doi:10.1144/sjg2015-013.	14/09	L.Avaghorn	syn-accretion	443	Rhuddanian <i>Atavograptus atavus</i> - <i>Coronograptus cyphus</i> z.		442	441		Laurentian	
14/10	L.Avaghorn	syn-accretion	443	Rhuddanian <i>A. atavus</i> - <i>C. cyphus</i>		442	441		Laurentian		

Author	Sample	Formation	Relative to accretion	Depositional age information				Provenance	Notes	
				Age max	Constraint	Age best estimate	Age min			Constraint (if different)
	14/05	Oghill	syn-accretion	443	Rhuddanian <i>A. atavus</i> - <i>C. cyphus</i>	442	441		Laurentian	
	14/02	Kehernaghkilly	syn-accretion	453	<i>Dicranograptus clingani</i> z.	451	450		Indeterminate	Probably Laurentian
	14/06	Drumagelvin	syn-accretion	443	Rhuddanian <i>A. atavus</i> - <i>C. cyphus</i>	442	441		Laurentian	
	14/07	Shercock	syn-accretion	443	Rhuddanian <i>A. atavus</i> - <i>C. cyphus</i>	442	441		Laurentian	
McConnell, B., Q. G. Crowley, and N. Riggs (2010), Laurentian origin of the Ordovician Grangegeeth volcanic arc terrane, Ireland, <i>Journal of the Geological Society</i> , 167 (3), 469–474, doi:10.1144/0016-76492009-139.	06/106b	White Island Bridge	syn-accretion	468	Tuff at 465.4	465	462		Laurentian	Fossils from D. artus & D. murchisoni zones confirm age
Phillips, E. R., R. A. Smith, P. Stone, V. Pashley, and M. Horstwood (2009), Zircon age constraints on the provenance of Llandovery to Wenlock sandstones from the Midland Valley terrane of the Scottish Caledonides, <i>Scottish Journal of Geology</i> , 45 (2), 131–146, doi:10.1144/0036-9276/01-383.	N5075	Craigs Kelly	post-accretion	442	L. Llandovery <i>C. cyphus</i> z.	441	441		Laurentian	
	N5068	Hareshaw	post-accretion	432	Mid-Wenlock	431	429		Laurentian	
	N5067	Parisholm	post-accretion	431	L. Wenlock	429	427		Laurentian	
	N5065	March Wood	post-accretion	432	Mid-Wenlock	431	429		Laurentian	
	N5071	Cock Rig	post-accretion	435	U. Llandovery <i>Cyrtograptus lapworthi</i> z.	434	434		Laurentian	
Waldron, J., J. D. Floyd, A. Simonetti, and L. M. Heaman (2008), Ancient Laurentian detrital zircon in the closing Iapetus Ocean, Southern Uplands terrane, Scotland, <i>Geology</i> , 36, 527–530.	AK1503	Kirkcolm	syn-accretion	458	Sandbian <i>Nemagraptus gracilis</i> z.	457	456	All crosscut by plutons 410+/-1	Laurentian	
	AX1647	Galdenoch	syn-accretion	458	Sandbian <i>N. gracilis</i> z.	457	456	All crosscut by plutons 410+/-2	Laurentian	
	AX1882	Glenwhargen	syn-accretion	450	Katian <i>Pleurograptus linearis</i> z.	449	448	All crosscut by plutons 410+/-3	Laurentian	
	AX1301	Shinnel	syn-accretion	448	Katian <i>Dicellograptus complanatus</i> z.	448	448	All crosscut by plutons 410+/-4	Laurentian	
	AX1392	Glenlee	syn-accretion	447	Katian-Hirnantian <i>Paraorthograptus pacificus</i> - <i>Normalograptus extraordinarius</i> z.	446	444	All crosscut by plutons 410+/-5	Laurentian	
Waldron, J. W. F., D. I. Schofield, S. A. DuFrane, J. D. Floyd, Q. G. Crowley, A. Simonetti, R. J. Dokken, and H. D. Pothier (2014), Ganderia-Laurentia collision in the Caledonides of Great Britain and Ireland, <i>Journal of the Geological Society</i> , 171 (4), 555–569.	AX2661	Portpatrick	syn-accretion	450	<i>Pleurograptus linearis</i> z.	449	448	All crosscut by plutons 410+/-5	Laurentian	
	LS002	Queensberry	syn-accretion	440	Late Aeronian	439	439	All crosscut by plutons 410+/-6	Laurentian	
	FN033A	Kirkmaiden	syn-accretion	437	<i>Monoclimacis crenulata</i> z.	436	436	All crosscut by plutons 410+/-7	Laurentian	
	LS004A	Raeberry Castle	syn-accretion	433	<i>Cyrtograptus linarsoni</i> (=rigidus) z. Wenlock	432	431	All crosscut by plutons 410+/-8	Laurentian	
	FN035A	Birk Riggs	syn-accretion	431	<i>Cyrtograptus lundgreni</i> z.	430	429		Laurentian	
	ML109A	Austwick	syn-accretion	433	<i>Monograptus riccartonensis</i> or <i>Cyrtograptus rigidus</i> z.	432	431		Laurentian	
	ML018A	Ashgill Rebecca Mbr	pre-accretion	445	<i>Normalograptus extraordinarius</i> and <i>N. persculptus</i> z.	444	444		Gondwanan	
	ML015A	Loweswater	pre-accretion	475	<i>Corymbograptus varicosus</i> to <i>Expansograptus simulans</i> z.	472	470		Gondwanan	
	ML016A	Watch Hill	pre-accretion	480	<i>Araneograptus murrayi</i> to <i>Tetragraptus pyllograptoides</i> z.	478	476		Gondwanan	
Collins, A. S., and C. Buchan (2004), Provenance and age constraints of the South Stack Group, Anglesey, UK: U-Pb SIMS detrital zircon data, <i>Journal of the Geological Society</i> , 161, 743–746.	HH	Holyhead	pre-accretion			500			Gondwanan	
Clift, P. D., A. Carter, A. E. Draut, H. V. Long, D. M. Chew, and H. A. Schouten (2009), Detrital U-Pb Zircon Dating of Lower Ordovician Syn-Arc-Continent Collision Conglomerates in the Irish Caledonides, <i>Tectonophysics</i> 479, 165-174.	MT1	Maumtrasna	post-accretion	464	<i>Didymograptus artus</i> z.	464	465		Laurentian	
	RR1	Rosroe	post-accretion	464	<i>D. artus</i> z.	465	465		Laurentian	
	DV1	Derryeeny	post-accretion	461	<i>Hustedograptus teretiusculus</i> z.	459	458		Laurentian	
McConnell, B., N. Riggs, and Q. G. Crowley (2009), Detrital zircon provenance and Ordovician terrane amalgamation, western Ireland, <i>Journal of the Geological Society</i> , 166 (3), 473–484, doi:10.1144/0016-76492008-081.	07/102 03/230	Bundorragha mbr	post-accretion	464	<i>Didymograptus murchisoni</i> z. below, <i>D. artus</i> above	463	461		Laurentian	486 +/-3 Youngest DZs
	07/101	Derrintin Lough	post-accretion	464	<i>D. murchisoni</i> below, <i>D. artus</i> above	463	461			484 +/-2 Youngest DZs
	07/104 03/227	lower Bunnacunneen mbr	post-accretion	464	<i>D. murchisoni</i> below, <i>D. artus</i> above	463	461		Laurentian	470 +/-5 Youngest DZs
	07/103 03/228	upper Bunnacunneen mbr	post-accretion	464	<i>D. murchisoni</i> below, <i>D. artus</i> above	463	461		Laurentian	474 +/-2 Youngest DZs
Yin, Q.-Z. et al. (2012), Crustal evolution of the South Mayo Trough, western Ireland, based on U-Pb ages and Hf-O isotopes in detrital zircons, <i>Journal of the Geological Society</i> , 169 (6), 681–689.	IT-5	Derrylea	post-accretion	467	<i>Expansograptus hirundo</i> - <i>D. artus</i> z.	466	464		Laurentian	
	IT-12	Sheefry	post-accretion	470	<i>Isograptus gibberulus</i> z.	469	467		Laurentian	
	IT-17	Sheefry	post-accretion	470	<i>I. gibberulus</i> z.	469	467		Laurentian	
	IT-18	Sheefry	post-accretion	470	<i>I. gibberulus</i> z.	469	467		Laurentian	
Pothier, H. D., J. W. F. Waldron, D. I. Schofield, and S. A. DuFrane (2015), Peri-Gondwanan terrane interactions recorded in the Cambrian-Ordovician detrital zircon geochronology of North Wales, <i>Gondwana Research</i> , 28, 987–1001, doi:10.1016/j.gr.2014.08.009.	NA041A	Dol-cyn-afon	pre-accretion	485	Tremadocian <i>Rhabdinopora flabelliformis</i> z.	484	482		Gondwanan	
	NA031A	Conway Castle	pre-accretion	445	Hirnantian	445	444		Gondwanan	
	ML001A	Gamlan	pre-accretion	497	Long history of trilobite studies	505	510		Gondwanan	

Sample location map

