Table of parameters values for the global suite of subduction zones. Type "c" indicates ocean-continent subduction, "o" indicates ocean-ocean subduction. The slab control points are used to define a cubic spline with natural (zero second derivative) boundary conditions that describes the slab surface. $s|_{z=0}$ and $s|_{z=15}$ are the sediment thicknesses at the trench and at 15km depth respectively and are used in the post-processing of temperature profiles only. All other parameters are as described in Table 2 of Part II of the main text.

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
1	Alaska Peninsula	01_Alaska_Peninsula	c	(0,-6) (68.2,-15) (154.2,-35) (235,-70) (248,-80) (251,-82.5) (270,-100) (358,-200) (392,-240)	20.96774	-	40	52.2	35	185	6	260	240	412	2.4878	0.8	0.4
2	Alaska	02_Alaska	c	(0,-6) (89.4,-15) (236.4,-40) (324,-70) (345.4,-80) (350.1,-82.5) (377,-100) (446,-170) (510,-240)	20.96774	-	40	47	40	185	6	315	240	530	2.0661	2	0.4
3	British Columbia	03_British_Columbia	c	(0,-3) (65.9,-15) (176,-35) (290,-67) (315.1,-80) (319.5,-82.5) (367,-112) (459.68,-169.64) (577,-240)	20.96774	-	40	10	35	190	3	95	240	597	1.6866	2	0.4
4	Cascadia	04_Cascadia	c	(0,-3) (94.2,-15) (186.8,-40) (233,-60) (275.6,-80) (280.4,-82.5) (310,-100) (384,-161) (468,-240)	20.96774	-	40	10	40	182	3	115	240	488	1.2650	2	0.4

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
5	Mexico	05_Mexico	c	(0,-6) (69.5,-15) (139,-35) (268,-45) (292,-50) (334.9,-80) (337,-82.5) (350,-100) (416,-240)	20.96774	-	40	10	45	172	6	80	240	436	1.9818	0.6	0.3
6	GuatElSal	06_GuatElSal	c	(0,-6) (41.6,-15) (104,-45) (129,-60) (152.5,-80) (154.9,-82.5) (169,-100) (204,-160) (245,-240)	20.96774	-	40	17.4	45	177	6	155	240	265	2.8251	0.5	0.3
7	Nicaragua	07_Nicaragua	c	(0,-6) (31.1,-15) (72.5,-30) (110,-50) (144.2,-80) (146.3,-82.5) (159.89,-100.6) (190,-150) (236,-240)	20.96774	-	40	27	30	174	6	155	240	255	2.9938	0.5	0.3
8	Costa Rica	08_Costa_Rica	c	(0,-6) (35.5,-15) (86,-40) (120,-71) (125.8,-80) (127.2,-82.5) (131.5,-90) (161,-160) (182,-240)	20.96774	-	40	27	40	160	6	65	240	200	3.1624	0.5	0.3

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
9	Colombia Ecuador	09_Colombia_Ecuador	c	(0,-4) (30.6,-15) (117,-50) (166,-70) (190.8,-80) (196.6,-82.5) (230,-100) (265,-125) (433,-240)	20.96774	-	40	15	50	193	4	110	240	455	2.5299	1.75	0.3
10	N Peru Gap	10_N_Peru_Gap	c	(0,-6) (41.9,-15) (139,-50) (219,-70) (294.4,-80) (319.7,-82.5) (478,-100) (597,-125) (1132,-240)	20.96774	-	40	29	50	188	6	150	240	1152	2.9305	0.7	0.4
11	C Peru Gap	11_C_Peru_Gap	c	(0,-6) (42.9,-15) (178,-55) (233,-70) (269.2,-80) (278.1,-82.5) (343,-100) (459,-125) (1000,-240)	25.80645	-	40	33.9	55	186	6	150	240	1020	2.8124	0.7	0.4
12	Peru	12_Peru	c	(0,-6) (27.6,-15) (156,-65) (170,-70) (193.8,-80) (199.1,-82.5) (234,-100) (332,-150) (510,-240)	25.80645	-	40	42.1	65	188	6	175	240	530	2.7450	0.7	0.4

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
13	N Chile	13_N_Chile	c	(0,-6) (26.2,-15) (105.5,-45) (145.73,-60.29) (195.9,-80) (201.9,-82.5) (240,-100) (324,-150) (473,-240)	25.80645	-	40	46.1	45	190	6	120	240	493	3.3311	0.3	0.2
14	NC Chile	14_NC_Chile	c	(0,-6) (27.9,-15) (129,-55) (171,-70) (197,-80) (203.2,-82.5) (245,-100) (364,-150) (576,-240)	25.80645	-	40	42.8	55	190	6	120	240	596	3.2636	0.3	0.2
15	C Chile Gap	15_C_Chile_Gap	c	(0,-6) (33.7,-15) (147,-60) (181,-70) (220,-80) (230,-82.5) (304,-100) (417,-125) (939,-240)	25.80645	-	40	37.7	60	188	6	150	240	960	3.1118	2	1.3
16	C Chile	16_C_Chile	c	(0,-6) (29.1,-15) (107,-45) (169,-70) (191.5,-80) (196.8,-82.5) (232,-100) (321,-150) (480,-240)	20.96774	-	40	32.4	45	192	6	120	240	500	3.0191	2	1.3

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
17	SC Chile	17_SC_Chile	c	(0,-6) (33,-15) (105.5,-40) (188,-70) (212.4,-80) (217.8,-82.5) (249,-100) (282,-125) (432,-240)	20.96774	-	40	23.5	40	190	6	150	240	450	3.1498	2	1.3
18	S Chile	18_S_Chile	c	(0,-6) (31,-15) (77,-32) (166,-70) (186.5,-80) (190.9,-82.5) (215,-100) (239,-125) (348,-240)	20.96774	-	40	10.3	32	188	6	150	240	368	3.1582	3	0.6
19	N Antilles	19_N_Antilles	o	(0,-6) (50,-15) (102.2,-30) (166,-70) (176.5,-80) (179,-82.5) (195,-100) (271,-200) (301,-240)	-	50	40	85	30	172	6	185	240	320	0.7421	0.5	0.25
20	S Antilles	20_S_Antilles	o	(0,-6) (24.5,-15) (64,-30) (163,-70) (179.5,-80) (183.2,-82.5) (204,-100) (278,-200) (306,-240)	-	50	40	85	30	165	6	220	240	320	0.7548	2.5	0.5

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
21	Scotia	21_Scotia	o	(0,-6) (34.8,-15) (75.5,-30) (134,-70) (141.2,-80) (142.9,-82.5) (153,-100) (176,-150) (217,-240)	-	2	20	59.1	30	166	6	135	240	240	2.5637	0.4	0.2
22	Aegean	22_Aegean	c	(0,-6) (49,-15) (101,-35) (170,-70) (187.2,-80) (191.4,-82.5) (220,-100) (260,-125) (444,-240)	20.96774	-	40	100.0	35	177	6	150	240	464	0.6325	4	1
23	N Sumatra	23_N_Sumatra	c	(0,-6) (68,-15) (156.5,-30) (259,-70) (274.3,-80) (277.7,-82.5) (299,-100) (384,-200) (417,-240)	20.96774	-	40	48.3	30	180	6	230	240	437	1.7499	2.5	1.4
24	C Sumatra	24_C_Sumatra	c	(0,-6) (60.6,-15) (161,-31) (265,-70) (279.4,-80) (282.6,-82.5) (303,-100) (389,-200) (422.5,-240)	20.96774	-	40	54.8	31	178	6	230	240	440.0	1.6866	2	0.85

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
25	S Sumatra	25_S_Sumatra	c	(0,-6) (65.6,-15) (200,-33.5) (267,-70) (277.5,-80) (279.9,-82.5) (296,-100) (380,-200) (413,-240)	20.96774	-	40	70	33.5	182	6	230	240	433	2.0535	1.5	0.3
26	Sunda Strait	26_Sunda_Strait	c	(0,-6) (73.7,-15) (170,-33.5) (240,-70) (251.8,-80) (254.5,-82.5) (272,-100) (352,-200) (383,-240)	20.96774	-	40	85	33.5	180	6	250	240	400	2.5721	1.5	0.3
27	Java	27_Java	c	(0,-6) (59.2,-15) (142,-33.5) (217,-70) (229.5,-80) (232.4,-82.5) (251,-100) (337,-200) (371,-240)	20.96774	-	40	100.0	33.5	184	6	270	240	390	2.8588	1.2	0.3
28	Bali Lombok	28_Bali_Lombok	c	(0,-6) (57,-15) (140.5,-33.5) (218,-70) (231,-80) (234,-82.5) (253,-100) (337,-200) (370,-240)	20.96774	-	40	100.0	33.5	184	6	270	240	390	2.9432	1.2	0.3

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
29	W Banda Sea	29_W_Banda_Sea	c	(0,-6) (83,-15) (173,-33.5) (241,-70) (252.2,-80) (254.7,-82.5) (271,-100) (342,-200) (369,-240)	20.96774	-	40	100	33.5	182	6	190	240	390	3.1034	0.4	0.2
30	E Banda Sea	30_E_Banda_Sea	c	(0,-6) (40.6,-16.5) (91.5,-30) (204,-70) (216.6,-80) (219.5,-82.5) (237,-100) (310,-200) (338,-240)	20.96774	-	40	100	16.5	174	6	190	240	360	1.0668	0.4	0.2
31	New Britain	31_New_Britain	o	(0,-6) (33.7,-15) (77.6,-30) (128,-70) (133.1,-80) (134.3,-82.5) (142,-100) (181,-200) (196.5,-240)	-	2	20	25	30	166	6	90	240	220.0	4.2334	1	0.6
32	Solomon	32_Solomon	o	(0,-6) (51.4,-15) (94,-30) (132,-70) (136.4,-80) (137.4,-82.5) (144,-100) (170,-175) (192.2,-240)	-	50	20	31	30	166	6	110	240	210.0	3.9467	0.4	0.2

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
33	N Vanuatu	33_N_Vanuatu	o	(0,-6) (57,-15) (86,-30) (109,-70) (112.5,-80) (113.4,-82.5) (119,-100) (127,-125) (164,-240)	-	5	20	44	30	154	6	70	240	184	2.1842	0.4	0.2
34	S Vanuatu	34_S_Vanuatu	o	(0,-6) (33.8,-15) (65,-30) (93,-70) (97.2,-80) (98.2,-82.5) (105,-100) (126,-150) (164,-240)	-	5	20	50	30	166	6	120	240	184	4.7521	0.4	0.2
35	Tonga	35_Tonga	o	(0,-6) (44,-15) (89.5,-30) (155,-70) (164.5,-80) (166.8,-82.5) (181,-100) (248,-200) (274.5,-240)	-	10	20	100.0	30	180	6	185	240	295.0	6.9911	0.4	0.2
36	Kermadec	36_Kermadec	o	(0,-6) (24.2,-15) (60.4,-30) (96,-50) (117.7,-80) (119.2,-82.5) (129,-100) (180,-200) (201.5,-240)	-	25	20	100.0	30	170	6	185	240	220.0	2.7239	0.4	0.2

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
37	New Zealand	37_New_Zealand	c	(0,-6) (41.5,-15) (89.5,-30) (167,-70) (180.2,-80) (183.2,-82.5) (200,-100) (259,-200) (281.5,-240)	20.96774	-	40	100	30	168	6	185	240	300.0	1.2818	2	0.4
38	S Philippines	38_S_Phil	c	(0,-6) (34.4,-15) (71.5,-32) (98,-50) (122.6,-80) (124.1,-82.5) (133,-100) (169,-200) (183,-240)	20.96774	-	40	59.8	32	162	6	90	240	200	2.9094	0.4	0.2
39	N Philippines	39_N_Phil	c	(0,-6) (33,-15) (81.4,-31) (120,-50) (158,-80) (160.6,-82.5) (177,-100) (233.5,-175) (280,-240)	20.96774	-	40	32.4	31	184	6	135	240	300	3.6979	1.5	0.3
40	S Marianas	40_S_Marianas	o	(0,-6) (30.3,-15) (78.7,-30) (184,-70) (205.4,-80) (209.5,-82.5) (230,-100) (277.3,-175) (314,-240)	-	25	40	100.0	30	172	6	255	240	335	2.1083	0.4	0.2

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
41	N Marianas	41_N_Marianas	o	(0,-6) (34,-15) (81,-30) (117,-50) (146.3,-80) (148,-82.5) (159,-100) (193.5,-175) (221.5,-240)	-	25	40	100.0	30	152	6	210	240	240.0	0.6451	0.4	0.2
42	Bonin	42_Bonin	o	(0,-6) (31.6,-15) (77,-30) (122,-50) (166.9,-80) (169.3,-82.5) (183,-100) (222.5,-175) (253.5,-240)	-	30	40	100.0	30	160	6	235	240	270.0	1.3324	0.4	0.2
43	Izu	43_Izu	o	(0,-6) (32,-15) (86,-30) (138,-50) (178.1,-80) (180.8,-82.5) (199,-100) (268,-175) (327.5,-240)	-	30	40	100.0	30	184	6	235	240	340.0	1.9228	0.4	0.2
44	Kyushu	44_Kyushu	c	(0,-6) (57.5,-15) (116.8,-31) (155,-50) (191.5,-80) (193.9,-82.5) (209,-100) (259.5,-175) (303,-240)	20.96774	-	40	27	31	178	6	140	240	320	3.0359	0.4	0.2

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
45	Ryukyu	45_Ryukyu	c	(0,-6) (40.7,-15) (94.5,-31) (137,-50) (178.1,-80) (181,-82.5) (200,-100) (272,-175) (334,-240)	20.96774	-	40	43	31	184	6	140	240	350	2.9305	1	0.2
46	Nankai	46_Nankai	c	(0,-6) (85,-15) (152.2,-32) (200,-50) (271.2,-80) (276.5,-82.5) (310,-100) (422,-175) (518.2,-240)	20.96774	-	20	20	32	190	6	180	240	540.0	1.8131	1.5	0.3
47	C Honshu	47_C_Honshu	c	(0,-6) (46.6,-15) (180.5,-40) (241,-70) (256,-80) (259.6,-82.5) (284,-100) (389,-175) (482,-240)	20.96774	-	40	100.0	40	192	6	235	240	500	3.4871	0.6	0.3
48	N Honshu	48_N_Honshu	c	(0,-6) (40.4,-15) (166,-40) (248,-70) (265.8,-80) (269.9,-82.5) (298,-100) (425,-175) (538,-240)	20.96774	-	40	100.0	40	195	6	280	240	560	3.4407	0.6	0.3

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
49	Hokkaido	49_Hokkaido	c	(0,-6) (37,-15) (96.8,-30) (175,-70) (185.2,-80) (187.6,-82.5) (204,-100) (284,-175) (357.5,-240)	20.96774	-	40	100.0	30	186	6	215	240	370.0	3.1498	0.6	0.3
50	S Kurile	50_S_Kurile	c	(0,-6) (30.3,-15) (80.4,-30) (158,-70) (168.8,-80) (171.3,-82.5) (188,-100) (257,-175) (317,-240)	20.96774	-	40	100.0	30	190	6	170	240	340	3.2636	0.6	0.3
51	N Kurile	51_N_Kurile	c	(0,-6) (26.3,-15) (131.7,-45) (184,-70) (196,-80) (198.7,-82.5) (216,-100) (279,-175) (332,-240)	20.96774	-	40	100.0	45	176	6	215	240	340	3.3016	0.6	0.3
52	Kamchatka	52_Kamchatka	c	(0,-6) (49.6,-15) (138,-40) (189,-70) (200.1,-80) (202.6,-82.5) (219,-100) (278,-175) (326,-240)	20.96774	-	40	95	40	186	6	215	240	350	3.1666	0.6	0.3

case	location	directory	type	slab control points	q_s	A_c^* (Myr)	A_s^* (Myr)	A^* (Myr)	z_2	z_{io}	z_{trench}	x_{coast}	D	L	V_s	$s\|_{z=0}$	$s\|_{z=15}$
53	W Aleutians	53_W_Aleut	c	(0,-6) (37.8,-15) (86.3,-30) (155,-70) (163.2,-80) (165.1,-82.5) (177,-100) (219,-175) (254,-240)	20.96774	-	40	56.1	30	170	6	155	240	270	2.1167	1.5	0.3
54	C Aleutians	54_C_Aleut	c	(0,-6) (41.4,-15) (101,-35) (157,-70) (168.8,-80) (171.4,-82.5) (187,-100) (231,-175) (266,-240)	20.96774	-	40	55.9	35	180	6	155	240	290	2.6733	1.5	0.3
55	E Aleutians	55_E_Aleut	c	(0,-6) (49.6,-15) (111.8,-35) (170,-70) (181.2,-80) (183.9,-82.5) (201,-100) (265,-175) (320,-240)	20.96774	-	40	55.3	35	184	6	175	240	340	2.7070	1.5	0.3
56	Calabria	56_Calabria	o	(0,-3) (46.5,-15) (80,-30) (138,-70) (151.7,-80) (155.1,-82.5) (178,-100) (262,-175) (321,-240)	-	20	40	100.0	30	180	3	95	240	340	1.8975	5	1

c: ocean-continent subduction
o: ocean-ocean subduction