

- a) number in van Keken et al., JGR, 2011
- b) Name
- c) Longitude
- d) Latitude
- e) depth to slab below arc
- f) arc-trench distance
- g) slab dip below arc
- h) convergence velocity
- k) descent rate (speed*sin(dip) in km/Myr)
- l) thermal parameter / 100
- m) sediment thickness at trench
- n) sediment thickness subducted
- i) upper plate type
- j) upper plate thickness
- k) age upper plate at t=0 (ocean-ocean subduction)
- h) integration time

a)	b)	c)	d)	e)	f)	g)	h)	j)	k)	l)	m)	n)	i)	j)	k)	h)	
		Lon	Lat	H (km)	arc-trench (km)	slab dip	Vc (mm/yr)	Age (Ma)	descent rate [age*sin(dip) at trench (km/Myr)	thermal par- ameter/100 (km)	sediment thickness at trench (km)	sediment thickness depth > 15 km (km)	Upper plate type	Upper plate thickness (km)	Upper plate age (at t=0) (Ma)	integration time (Myr)	
9	Colombia/Ecuador	-77.5	-6.8		155	308.1	35.5	60	15	34.9	5.2	1.75	0.3 continental		50	40	
10	Northern Peru gap	-79.0	-6.8			478.0	9.2	69.5	29	11.2	3.2	0.7	0.4 continental		50	40	
11	Central Peru gap	-76.8	-11.2			343.0	14.0	66.7	33.9	16.1	5.5	0.7	0.4 continental		40	40	
12	Peru	-70.9	-16.6		117	268.2	27.1	65.1	42.1	29.7	12.5	0.7	0.4 continental		40	40	
13	North Chile	-68.6	-20.8		132	296.3	31.9	79	46.1	41.8	19.3	0.3	0.2 continental		45	40	
14	North-Central Chile	-68.5	-24.7		126	307.8	22.8	77.4	42.8	29.9	12.8	0.3	0.2 continental		40	40	
15	Central Chile gap	-69.5	-30.0			304.0	12.7	73.8	37.7	16.3	6.1	2	1.3 continental		40	40	
16	Central Chile	-70.6	-35.2		118	266.0	29.4	71.6	32.4	35.2	11.4	2	1.3 continental		45	40	
17	South-Central Chile	-71.7	-39.5		100	264.3	37.3	74.7	23.5	45.2	10.6	2	1.3 continental		40	40	
18	South Chile	-72.8	-43.8		114	229.8	47.0	74.9	10.3	54.8	5.6	3	0.6 continental		32	40	
5	Mexico	-99.5	19.1		80	335.8	49.7	47	10	35.8	3.6	0.6	0.3 continental		45	40	
6	Guatemala/El Salva	-90.4	14.2		142	194.5	62.0	66.9	17.4	59.1	10.3	0.5	0.3 continental		45	40	
7	Nicaragua	-86.7	12.5		169	200.8	62.1	71.1	27	62.9	17.0	0.5	0.3 continental		30	40	
8	Costa Rica	-84.7	10.5		87	130.6	61.5	75.4	27	66.2	17.9	0.5	0.3 continental		40	40	
3	North Cascadia	122.0	47.0		100	349.0	32.6	40	10	21.5	2.2	2	0.4 continental		35	40	
4	Central Cascadia	121.5	42.0		90	294.5	30.0	30	10	15.0	1.5	2	0.4 continental		40	40	
2	Alaska	-153.6	58.9		97	373.5	35.8	49	47	28.6	13.5	2	0.4 continental		35	40	
1	Alaska Peninsula	-158.8	56.5		108	278.7	45.8	59	52.2	42.3	22.1	0.8	0.4 continental		40	40	
55	East Aleutians	-166.0	54.1		105	206.2	47.6	64.2	55.3	47.4	26.2	1.5	0.3 continental		35	40	
54	Central Aleutians	-172.5	52.3		96	184.2	50.5	63.4	55.9	49.0	27.4	1.5	0.3 continental		35	40	
53	West Aleutians	-178.8	51.8		107	181.9	58.5	50.2	56.1	42.8	24.0	1.5	0.3 continental		30	40	
52	Kamchatka	159.2	53.6		111	229.2	50.2	75.1	95	57.7	54.8	0.6	0.3 continental		40	40	
51	North Kurile	155.4	50.3		106	222.2	47.8	78.3	105	58.0	60.9	0.6	0.3 continental		45	40	
50	South Kurile	151.8	46.8		100	188.0	47.1	77.4	110	56.7	62.4	0.6	0.3 continental		25	40	
49	Hokkaido	147.0	44.6		116	220.4	44.8	74.7	115	52.6	60.5	0.6	0.3 continental		25	40	
48	North Honshu	140.9	40.7		114	324.9	31.4	81.6	130	42.5	55.2	0.6	0.3 continental		40	40	
47	Central Honshu	140.3	37.6		104	290.2	35.8	82.7	130	48.3	62.8	0.6	0.3 continental		40	40	
43	Izu	139.8	33.1		134	231.0	47.2	45.6	135	33.5	45.2	0.4	0.2 oceanic			50	40
42	Bonin	140.9	27.2		164	218.1	65.0	31.6	145	28.6	41.5	0.4	0.2 oceanic			50	40
41	North Marianas	143.4	21.9		185	198.3	67.3	15.3	150	14.1	21.2	0.4	0.2 oceanic			25	40
40	South Marianas	145.8	17.6		169	274.0	61.5	50	150	43.9	65.9	0.4	0.2 oceanic			25	40
46	Nankai	137.3	35.3			310.0	30.1	43	20	21.6	4.3	1.5	0.3 continental		32	20	
44	Kyushu	130.6	31.2		122	224.8	56.2	72	27	59.9	16.2	0.4	0.2 continental		31	40	
45	Ryukyu	128.3	27.9		87	187.3	44.4	69.5	43	48.6	20.9	1	0.2 continental		31	40	
39	North Philippines	120.6	16.3		142	210.3	53.7	87.7	32.4	70.7	22.9	1.5	0.3 continental		31	40	
38	South Philippines	125.5	9.6		193	167.4	71.1	69	59.8	65.3	39.0	0.4	0.2 continental		32	40	
31	New Britain	150.9	-5.5		137	156.9	68.5	100.4	25	93.4	23.4	1	0.6 oceanic			2	20
32	Solomon	154.9	-5.8		155	163.9	71.2	93.6	31	88.6	27.5	0.4	0.2 oceanic			50	20
33	North Vanuatu	167.5	-13.8		172	142.6	72.1	51.8	44	49.3	21.7	0.4	0.2 oceanic			5	20
34	South Vanuatu	169.8	-20.2		94	102.8	68.9	112.7	50	105.1	52.6	0.4	0.2 oceanic			5	20
35	Tonga	-174.9	-19.2		123	197.8	55.2	165.8	110	136.1	149.8	0.4	0.2 oceanic			10	20
36	Kermadec	-178.5	-30.2		171	165.3	61.7	64.6	105	56.9	59.7	0.4	0.2 oceanic			25	20
37	New Zealand	177.0	-37.9		153	234.0	61.2	30.4	100	26.6	26.6	2	0.4 continental		30	40	
23	North Sumatra	97.6	3.9		132	329.9	49.4	41.5	48.3	31.5	15.2	2.5	1.4 continental		30	40	
24	Central Sumatra	100.0	0.1		117	319.8	46.9	40	54.8	29.2	16.0	2	0.85 continental		31	40	
25	South Sumatra	102.4	-3.4		105	301.0	48.7	48.7	70	36.6	25.6	1.5	0.3 continental		33.5	40	
26	Sunda Strait	106.7	-6.8		105	277.2	47.8	61	85	45.2	38.4	1.5	0.3 continental		33.5	40	
27	Java	111.8	-7.8		168	311.5	50.5	67.8	110	52.3	57.6	1.2	0.3 continental		33.5	40	
28	Bali/Lombok	116.5	-8.4		186	326.4	51.5	69.8	135	54.6	73.8	1.2	0.3 continental		33.5	40	
29	West Banda Sea	121.8	-8.8		126	292.0	53.6	73.6	100	59.2	59.2	0.4	0.2 continental		33.5	40	
30	East Banda Sea	129.5	-6.7		159	282.5	55.4	25.3	100	20.8	20.8	0.4	0.2 continental		16.5	40	
19	North Lesser Antille	-61.7	16.1		122	213.5	51.6	17.6	85	13.8	11.7	0.5	0.25 oceanic			90	40
20	South Lesser Antille	-61.2	13.3		141	238.3	54.1	17.9	85	14.5	12.3	2.5	0.5 oceanic			90	40
21	Scotia	-26.5	-57.8		118	161.8	65.1	60.8	59.1	55.1	32.6	0.4	0.2 oceanic			22	20
22	Aegean	25.4	36.4		120	253.8	31.8	15	199.9	7.9	15.8	4	1 continental		35	20	20
56	Calabria	15.0	38.5			178.0	38.1	45	190	27.8	52.8	5	1 oceanic			40	40