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TABLE DR1. Database of circum-Pacific K-Ar and 40Ar/39Ar ages

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
NOTE: This compilation includes < 1 Ma data, which was omitted in Figures 2 and 3 to avoid biasing of dataset						
Aleutians/Alaska						
Aleutians	AD 03 04		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	7.00	0.24
Aleutians	AD 03 04		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.90	3.17
Aleutians	KAG7-32		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	14.14	0.12
Aleutians	KAG7-50		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	14.24	0.71
Aleutians	KAG7-50		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	14.66	1.67
Aleutians	AM33		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	15.36	1.22
Aleutians	AM33		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	15.30	1.40
Aleutians	MR80-12		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	25.66	0.69
Aleutians	AT80-87		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	29.38	1.48
Aleutians	SED-AB		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	29.68	0.91
Aleutians	SED36-D		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	30.32	0.24
Aleutians	HB76-125		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	34.50	0.27
Aleutians	HB76-125		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	34.75	0.95
Aleutians	AT80-22		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	34.69	0.99
Aleutians	AT80-22		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	35.37	2.04
Aleutians	BW8-R39B		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	37.26	0.74
Aleutians	MV80-24		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	37.55	1.00
Aleutians	FB8-19		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	37.89	0.23
Aleutians	J99S20S24		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	32.90	1.22
Aleutians	J99S13S19		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	32.89	0.55
Aleutians	J99S12S18		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	33.79	0.29
Aleutians	J99S6S9		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	36.12	0.71
Aleutians	J99S4S7		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	36.14	0.48
Aleutians	J99S3S6		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	36.00	1.50
Aleutians	J99S3S5		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	35.87	0.61
Aleutians	J99S2S4		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	36.52	0.91
Aleutians	J99S1S2		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	36.65	1.18
Aleutians	J99S1S1		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	37.84	0.86
Aleutians	J98S7S8		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	28.69	0.19
Aleutians	J98S6S7		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	34.25	0.51
Aleutians	J98S3S3		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	30.38	1.15
Aleutians	TN182-30-001		plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	22.06	0.78
Aleutians	TN182-30-001		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	21.82	1.28
Aleutians	TN182-30-003		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	46.31	0.91

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Aleutians	SEG 03 32	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.01	0.00
Aleutians	SEG 03 44	dacitic ignimbrite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.01	0.00
Aleutians	SEG 04 34	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.01	0.00
Aleutians	SEG 03 67	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.01	0.01
Aleutians	SEG 03 02	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.02	0.01
Aleutians	SEG 03 66	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.02	0.01
Aleutians	SEG 04 05	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.00
Aleutians	SEG 04 07	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.01
Aleutians	SEG 03 03	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.00
Aleutians	SB88-3	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.00
Aleutians	SB87-56	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.00
Aleutians	SEG 04 24	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.04	0.00
Aleutians	SEG 03 40	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.04	0.01
Aleutians	SB87-9	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.01
Aleutians	SB88-23	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.01
Aleutians	SB87-63	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.01
Aleutians	SEG 03 45	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.00
Aleutians	SEG 03 25	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.00
Aleutians	SB88-25	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.00
Aleutians	SB88-18	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.01
Aleutians	SB88-16	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.01
Aleutians	SEG 03 04	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.01
Aleutians	SEG 03 64	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.00
Aleutians	SEG 03 48	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.07	0.01
Aleutians	SEG 03 68	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.07	0.01
Aleutians	SEG 03 01	rhyolite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.00
Aleutians	SEG 04 36	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.01
Aleutians	SEG 03 12	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.01
Aleutians	SB87-4	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.00
Aleutians	SEG 04 35	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.00
Aleutians	SEG 03 21	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.00
Aleutians	SEG 03 49	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.01
Aleutians	SEG 03 23	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.08	0.00
Aleutians	SJ87-47	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.00
Aleutians	SB87-49	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.01
Aleutians	SEG 03 50	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.10	0.02
Aleutians	SEG 04 38	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.10	0.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Aleutians	SEG 04 20	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.11	0.02
Aleutians	SEG 03 35	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.01
Aleutians	SEG 04 17		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.01
Aleutians	SEG 04 15		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.01
Aleutians	SEG 03 16	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.00
Aleutians	SEG 04 21	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.01
Aleutians	SEG 04 16	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.00
Aleutians	SEG 04 33	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.13	0.00
Aleutians	SEG 04 18	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.13	0.01
Aleutians	SEG 03 36	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.14	0.00
Aleutians	SEG 03 43	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.14	0.00
Aleutians	SEG 04 27	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.16	0.00
Aleutians	SEG 03 34	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.17	0.00
Aleutians	SEG 04 41	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.18	0.01
Aleutians	SEG 04 43	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.01
Aleutians	SEG 03 74	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.04
Aleutians	SEG 04 29	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.20	0.00
Aleutians	SEG 04 42	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.20	0.01
Aleutians	SB87-59	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.21	0.06
Aleutians	SB87-39	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.21	0.04
Aleutians	SEG 04 30	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.24	0.00
Aleutians	SEG 03 41	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.28	0.03
Aleutians	SEG 04 31	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.32	0.03
Aleutians		Basalt	whole-rock	K-Ar	1.90	0.30
Aleutians	28476	Tonalite	whole-rock	K-Ar	8.50	5.00
Aleutians	28435	Granodiorite	whole-rock	K-Ar	11.00	6.00
Aleutians	28436	Aplite from vein in 11/6/77	whole-rock	K-Ar	11.50	4.00
Aleutians	28735	andesite-dacite	whole-rock	K-Ar	12.00	4.00
Aleutians	406/77	Trachydolerite	whole-rock	K-Ar	21.00	6.00
Aleutians	415/77	Trachydolerite	whole-rock	K-Ar	21.00	6.00
Aleutians	414/77	Trachybasalt	whole-rock	K-Ar	25.00	8.00
Aleutians		rhyolite	whole-rock	K-Ar	28.00	8.00
Aleutians		rhyolite	whole-rock	K-Ar	30.00	8.00
Aleutians		rhyolite	whole-rock	K-Ar	33.00	8.00
Aleutians		rhyolite	whole-rock	K-Ar	34.00	8.00
Aleutians		rhyolite	whole-rock	K-Ar	35.00	4.00
Aleutians		basaltic dike	whole-rock	K-Ar	12.30	3.00
Aleutians		Hornblende dacite porphyry	hornblende	K-Ar	15.00	6.00
Aleutians	WJC-87A-66	Hornblende andesite dike	hornblende	K-Ar	2.70	6.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Aleutians	69-Amc-12	Basaltic andesite dike	whole-rock	K-Ar	8.90	1.20
Aleutians	WJC-1-67	Basaltic dike	whole-rock	K-Ar	10.20	2.20
Aleutians	69-Amc-15	Pyroxene andesite lava	whole-rock	K-Ar	12.40	2.20
Aleutians	69-Amc-17	Hornblende andesite lava	whole-rock	K-Ar	13.20	2.40
Aleutians	69-Amc-2	Hornblende andesite lava	whole-rock	K-Ar	14.10	2.20
Aleutians	69-Amc-11	Biotite-hornblende granodiorite	biotite	K-Ar	15.80	1.40
Aleutians	K7-32A	Granodiorite	hornblende	K-Ar	12.40	1.10
Aleutians	K7-32A	Granodiorite	biotite	K-Ar	13.90	0.30
Aleutians	HB6-10	Granodiorite	biotite	K-Ar	31.50	1.00
Aleutians	HB6-120D	Diorite	hornblende	K-Ar	31.80	0.80
Aleutians	I8-1	Diorite	biotite	K-Ar	32.20	0.70
Aleutians	HB5-192	Diorite	biotite	K-Ar	32.70	0.80
Aleutians	BW8-1	Granodiorite	biotite	K-Ar	33.00	0.70
Aleutians	HB7-23B	Granodiorite	biotite	K-Ar	33.40	0.80
Aleutians	HB6-120D	Diorite	biotite	K-Ar	34.60	0.80
Aleutians	I8-1	Diorite	hornblende	K-Ar	35.80	1.00
Aleutians	49W36	Hornblende dacite porphyry	whole-rock	K-Ar	5.90	0.40
Aleutians	50P286	Hornblende andesite/dikes	whole-rock	K-Ar	7.40	0.60
Aleutians	50D4	Dacite porphyry dike	whole-rock	K-Ar	14.20	0.60
Aleutians	50P295	Quartz diabase	whole-rock	K-Ar	26.50	1.40
Aleutians	50P293	Pillow basalt, basement	whole-rock	K-Ar	28.30	1.20
Aleutians	49G6	Amphibolite basement	whole-rock	K-Ar	29.90	2.20
Aleutians	49P53	Quartz gabbro	whole-rock	K-Ar	31.90	1.40
Aleutians	A-A31	Basalt	whole-rock	K-Ar	23.70	0.80
Aleutians	A-A20	Diabase	whole-rock	K-Ar	29.00	2.00
Aleutians	A-K14	Basalt	whole-rock	K-Ar	29.00	4.40
Aleutians	A-U23	Metadiorite	whole-rock	K-Ar	33.10	1.10
Aleutians	A-U22	Pillow basalt	whole-rock	K-Ar	42.30	4.60
Aleutians		tholeiitic basalt		$^{40}\text{Ar}/^{39}\text{Ar}$	46.20	1.50
Aleutians		tholeiitic basalt		$^{40}\text{Ar}/^{39}\text{Ar}$	42.10	1.80
Aleutians		adakite		$^{40}\text{Ar}/^{39}\text{Ar}$	27.40	0.20
Aleutians		adakite		$^{40}\text{Ar}/^{39}\text{Ar}$	20.70	0.50
Aleutians	54-Sn-197	Granodiorite	biotite	K-Ar	3.40	0.40
Aleutians		Hornblende andesite porphyry	hornblende	K-Ar	4.90	3.60
Aleutians		Hornblende andesite porphyry	hornblende	K-Ar	5.30	2.80
Aleutians		andesite lava	whole-rock	K-Ar	5.50	1.40
Aleutians	54-Sn-197	Granodiorite	hornblende	K-Ar	11.10	6.00
Aleutians	M	Granodiorite	biotite	K-Ar	13.20	1.20
Aleutians	M	Granodiorite	hornblende	K-Ar	13.70	3.00
Aleutians	781-31-3	Basaltic dike	whole-rock	K-Ar	8.30	0.80
Aleutians	881-7-1	Pyroxene andesite dike	whole-rock	K-Ar	12.70	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Aleutians	881-4-2	Quartz diorite	plagioclase	K-Ar	30.40	1.80
Aleutians	881-4-4	Quartz diorite	hornblende	K-Ar	31.00	3.00
Aleutians	881-4-2	Quartz diorite	whole-rock	K-Ar	32.80	2.00
Alaska	7-TMA3-6	rhyolite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	35.60	0.20
Alaska	CHK-00-1	granite	alkali feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	39.00	0.40
Alaska	99ANS-9A	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	39.90	0.70
Alaska	GLA99-17	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.60	5.10
Alaska	99ANS-18A	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.70	1.40
Alaska	STM1-85	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	48.30	1.60
Alaska	BC98TY2A	basaltic andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	49.40	2.20
Alaska	79AGz-116	tuff breccia	whole-rock	K-Ar	43.60	2.20
Alaska	79AGz-102	mafic plug	whole-rock	K-Ar	46.70	2.30
Alaska	79AGz-107	andesite	whole-rock	K-Ar	48.40	2.40
Alaska	79AGz-106	basalt	whole-rock	K-Ar	55.50	3.50
Alaska	35BP85		whole-rock	K-Ar	44.10	2.60
Alaska	SE132		whole-rock	K-Ar	40.80	2.40
Alaska	SE120		whole-rock	K-Ar	53.60	3.20
Alaska	00709B	tephra	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	0.96	0.48
Alaska	00709F	tephra	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	3.17	3.16
Alaska	010525J	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.06	0.36
Alaska	991015B	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.69	0.76
Alaska	001019A	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.50	0.24
Alaska	010526F	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	9.23	1.94
Alaska	010526I	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.10	0.22
Alaska	010527C	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.35	0.66
Alaska	010527G	tephra	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	5.37	0.26
Alaska	010527J	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.62	0.66
Alaska	010529A	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.09	0.50
Alaska	010529A	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.22	0.50
Alaska	010619B	tephra	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	6.90	0.28
Alaska	991015C	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.66	1.50
Alaska	991015D	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.47	3.36
Alaska	010625F	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.31	0.72
Alaska	010625I	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.51	1.96
Alaska	010625J	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	4.57	1.44
Alaska	010625L	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	5.48	0.78
Alaska	010625O	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	5.88	1.02
Alaska	010625Q	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.12	1.16

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Alaska	010625S	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.26	2.28
Alaska	010625W	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.81	1.98
Alaska	010626B	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.04	0.78
Alaska	010625F	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.42	2.88
Alaska	010626I	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.13	0.54
Alaska	010626K	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	9.09	2.48
Alaska	010626O	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.53	0.30
Alaska	010626X	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	9.35	1.24
Alaska	010626BB	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.44	0.84
Alaska	010626CC	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.96	1.08
Alaska	010626DD	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	7.09	0.78
Alaska	991016A	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.99	1.72
Alaska	6-25-77-1	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.64	0.14
Alaska	3595' MD	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.24	0.74
Alaska	3680' MD	tephra	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	6.85	1.80
Alaska	1948.2' MD	tephra	glass	$^{40}\text{Ar}/^{39}\text{Ar}$	48.65	4.62
Alaska	PMS-1	monzonite	biotite	K-Ar	49.96	3.60
Alaska	PMS-2	quartz monzonite	biotite	K-Ar	54.16	5.20
Alaska	EN-2	quartz monzonite	whole-rock	K-Ar	52.42	3.00
Alaska	EN-3	quartz monzonite	whole-rock	K-Ar	48.11	2.80
Alaska	EN-4	quartz monzonite	biotite	K-Ar	50.88	2.80
Alaska	EN-5	quartz monzonite	whole-rock	K-Ar	52.32	2.00
Alaska	EN-6	quartz monzonite-gneiss	biotite	K-Ar	48.21	3.20
Alaska	DT 75-201	ash partings	hornblende	K-Ar	5.00	0.80
Alaska	DT 75-201	ash partings	plagioclase	K-Ar	5.90	0.50
Alaska	DT 75-202	ash partings	plagioclase	K-Ar	7.30	1.30
Alaska	DT 75-203	ash partings	plagioclase	K-Ar	8.80	0.90
Alaska	DT 75-204	ash partings	plagioclase	K-Ar	8.10	0.70
Alaska	DT 75-208	ash partings	hornblende	K-Ar	4.70	0.60
Alaska	DT 75-208	ash partings	plagioclase	K-Ar	4.20	1.40
Alaska	DT 75-210	ash partings	plagioclase	K-Ar	7.20	0.60
Alaska	6-25-77-1	ash partings	plagioclase	K-Ar	6.90	0.50
Alaska	DT-75-213	ash partings	plagioclase	K-Ar	15.80	1.80
Alaska	GT 2	ash partings	hornblende	K-Ar	5.40	0.30
Alaska	2309		whole-rock	K-Ar	0.29	0.02
Alaska	2186		whole-rock	K-Ar	0.16	0.02
Alaska	2390		whole-rock	K-Ar	0.13	0.05
Alaska	2288		whole-rock	K-Ar	0.09	0.01
Alaska	2321		whole-rock	K-Ar	0.05	0.02
Alaska	2130		whole-rock	K-Ar	0.09	0.02

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Alaska	2136		whole-rock	K-Ar	0.09	0.02
Alaska	2144		whole-rock	K-Ar	0.07	0.02
Alaska	2267A		whole-rock	K-Ar	0.06	0.02
Alaska	2573		whole-rock	K-Ar	0.14	0.02
Alaska	2029		whole-rock	K-Ar	0.14	0.03
Alaska	2224		whole-rock	K-Ar	0.10	0.02
Alaska	2536		whole-rock	K-Ar	0.04	0.02
Alaska	65		whole-rock	K-Ar	0.07	0.02
Alaska	69		whole-rock	K-Ar	0.11	0.09
Alaska	2047		whole-rock	K-Ar	0.07	0.03
Alaska	1451		whole-rock	K-Ar	0.05	0.03
Alaska	1042		whole-rock	K-Ar	0.04	0.02
Alaska	2554		whole-rock	K-Ar	0.17	0.02
Alaska	2557		whole-rock	K-Ar	0.20	0.02
Alaska	2596		whole-rock	K-Ar	0.20	0.02
Alaska	2570		whole-rock	K-Ar	0.09	0.02
Alaska	2599		whole-rock	K-Ar	0.25	0.08
Alaska	2074		whole-rock	K-Ar	0.68	0.04
Alaska	2135		whole-rock	K-Ar	0.10	0.02
Alaska	2049		whole-rock	K-Ar	0.04	0.02
Alaska	85AYb223		plagioclase	K-Ar	0.95	0.22
Alaska	84AYb65		plagioclase	K-Ar	0.39	0.09
Alaska	84ARj134B		plagioclase	K-Ar	0.39	0.14
Alaska	2672		whole-rock	K-Ar	4.77	0.36
Alaska	2660		whole-rock	K-Ar	0.39	0.08
Alaska	2594		whole-rock	K-Ar	0.24	0.06
Alaska	2605		whole-rock	K-Ar	0.13	0.05
Alaska	2671C		whole-rock	K-Ar	0.09	0.05
Alaska	2322		whole-rock	K-Ar	2.97	0.06
Alaska	86ARj62		plagioclase	K-Ar	2.64	0.08
Alaska	2448		whole-rock	K-Ar	2.60	0.10
Alaska	2515		whole-rock	K-Ar	2.27	0.22
Alaska	2540		whole-rock	K-Ar	3.08	0.13
Alaska	2308		whole-rock	K-Ar	20.18	0.32
Alaska	K-2043		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.02	0.00
Alaska	K-2236		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.05
Alaska	K-2546		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.03
Alaska	K-2503		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.50	0.03
Alaska	79cnfl	andesite	whole-rock	K-Ar	0.08	0.04
Alaska	87AWs5	dacite	hornblende	K-Ar	0.88	0.03
Alaska	79cnc1	andesite	whole-rock	K-Ar	0.27	0.08

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Alaska	79cne29	andesite	whole-rock	K-Ar	0.42	0.06
Alaska	79cnd2	andesite	whole-rock	K-Ar	0.43	0.16
Alaska	87AWs8	andesite	plagioclase	K-Ar	0.52	0.01
Alaska	78rm4	andesite	whole-rock	K-Ar	0.60	0.04
Alaska	78rm19	basaltic andesite	plagioclase	K-Ar	0.60	0.04
Alaska	87AWs7	andesite	whole-rock	K-Ar	0.60	0.03
Alaska	79che3	basaltic andesite	whole-rock	K-Ar	0.69	0.06
Alaska	79cnf8b	basaltic andesite	whole-rock	K-Ar	0.75	0.06
Alaska	79cnf8a	basaltic andesite	whole-rock	K-Ar	0.75	0.06
Alaska	74ALe10	dacite	biotite	K-Ar	0.24	0.13
Alaska	74ALe52	dacite	whole-rock	K-Ar	0.24	0.03
Alaska	74ALe5	dacite	biotite	K-Ar	0.27	0.13
Alaska	74ALe12	andesite	whole-rock	K-Ar	0.30	0.02
Alaska	74ALe61	andesite	whole-rock	K-Ar	0.30	0.18
Alaska	74ALe3	andesite	whole-rock	K-Ar	0.31	0.04
Alaska	74ALe50	dacite	biotite	K-Ar	0.32	0.11
Alaska	74ALe51	rhyodacite	whole-rock	K-Ar	0.34	0.03
Alaska	74ALe15	dacite	whole-rock	K-Ar	0.35	0.07
Alaska	74ALe6	dacite	biotite	K-Ar	0.36	0.05
Alaska	74ALe56	dacite	whole-rock	K-Ar	0.37	0.11
Alaska	74ALe8	andesite	whole-rock	K-Ar	0.42	0.05
Alaska	74ALe57	dacite	whole-rock	K-Ar	0.44	0.06
Alaska	74ALe53	andesite	whole-rock	K-Ar	0.46	0.06
Alaska	74ALe60	rhyolite	whole-rock	K-Ar	0.47	0.04
Alaska	74ALe24	andesite	whole-rock	K-Ar	0.52	0.42
Alaska	74ALe17	rhyolite	whole-rock	K-Ar	0.53	0.04
Alaska	74ALe55	andesite	whole-rock	K-Ar	0.53	0.19
Alaska	74ALe4	rhyolite	whole-rock	K-Ar	0.56	0.07
Alaska	87AWs4	dacite	plagioclase	K-Ar	0.67	0.02
Alaska	74ALe9	andesite	whole-rock	K-Ar	0.73	0.32
Alaska	74ALe21	debris flow block	biotite	K-Ar	0.81	0.20
Alaska	74ALe22	debris flow block	hornblende	K-Ar	0.90	0.30
Alaska	73ARh87	basaltic andesite	whole-rock	K-Ar	0.32	0.18
Alaska	74ALe29	rhyodacite	whole-rock	K-Ar	0.53	0.12
Alaska	74ALe26	rhyodacite	whole-rock	K-Ar	0.62	0.04
Alaska	74ALe65	basaltic andesite	whole-rock	K-Ar	0.73	0.17
Alaska	87AWs3	andesite	plagioclase	K-Ar	0.78	0.07
Alaska	74ALe63	basaltic andesite	whole-rock	K-Ar	0.78	0.16
Alaska	74ALe64	basaltic andesite	whole-rock	K-Ar	0.85	0.08
Alaska	74ALe62	basaltic andesite	whole-rock	K-Ar	0.86	0.43
Alaska	87AWs2	andesite	plagioclase	K-Ar	0.89	0.06
Alaska	BCM-6	basaltic andesite	whole-rock	K-Ar	1.02	0.16

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Alaska	BCM-4	andesite	whole-rock	K-Ar	1.03	0.12
Alaska	BCM-5	basaltic andesite	whole-rock	K-Ar	1.04	0.22
Alaska	73ARh105	rhyolite laccolith	plagioclase	K-Ar	1.09	0.34
Alaska	74ALe27	dacite	whole-rock	K-Ar	0.96	0.31
Alaska	74cnf2	andesite	whole-rock	K-Ar	0.98	0.06
Alaska	79cne1	andesite	whole-rock	K-Ar	1.58	0.06
Alaska	74ALe66	rhyolite	whole-rock	K-Ar	1.23	0.14
Alaska	87AWs6	dacite	biotite	K-Ar	1.35	0.10
Alaska	72ARh310	dacite cinder cone	plagioclase	K-Ar	1.38	0.40
Alaska	73ARh56	andesite	plagioclase	K-Ar	1.50	0.06
Alaska	73ARH307A	andesite	plagioclase	K-Ar	1.67	0.84
Alaska	81ASj86	andesite	whole-rock	K-Ar	0.97	0.10
Alaska	81ASj72	dacite	biotite	K-Ar	1.74	0.22
Alaska	81ASj85	andesite	whole-rock	K-Ar	2.21	0.18
Alaska	69ARh311	andesite	whole-rock	K-Ar	2.02	0.30
Alaska	71PCL41	andesite	whole-rock	K-Ar	2.84	0.20
Alaska	71PCL242	ryodacite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	3.02	0.38
Alaska	81ASj45	basalt	whole-rock	K-Ar	3.21	0.26
Alaska		basaltic andesite	whole-rock	K-Ar	13.90	1.60
Alaska	73ARh99	rhyolite	whole-rock	K-Ar	0.91	0.42
Alaska	73ARh111	andesite	plagioclase	K-Ar	2.93	0.10
Alaska	81ASj44	dacite	whole-rock	K-Ar	5.22	0.36
Alaska	81ASj43	granodiorite	hornblende	K-Ar	9.44	1.22
Alaska	81ASj11	granodiorite	hornblende	K-Ar	3.41	0.92
Alaska	81ASj11	granodiorite	biotite	K-Ar	3.48	0.48
Alaska	81ASj37	granodiorite	hornblende	K-Ar	4.07	0.74
Alaska	81ASj37	rhyolite porphyry	biotite	K-Ar	4.37	0.24
Alaska	74AMs17	granodiorite	sanidine	K-Ar	6.69	0.40
Alaska		dacite	hornblende/biotite	K-Ar	8.60	0.50
Alaska	81ASj36	andesite	whole-rock	K-Ar	8.93	0.38
Alaska	81ASj12	andesite	whole-rock	K-Ar	9.83	0.90
Alaska	8	andesite	whole-rock	K-Ar	1.60	0.40
Alaska	6	andesite	whole-rock	K-Ar	2.80	1.20
Alaska	7	andesite	whole-rock	K-Ar	3.80	0.40
Alaska	5	andesite	whole-rock	K-Ar	8.60	1.40
Alaska	3	andesite	whole-rock	K-Ar	8.80	1.80
Alaska	4	andesite	whole-rock	K-Ar	10.00	0.60
Alaska	2	andesite	whole-rock	K-Ar	10.20	1.00
Alaska	1	andesite	whole-rock	K-Ar	10.40	0.60
Alaska	81ASj30	basalt	whole-rock	K-Ar	18.85	0.85
Alaska	81ASj20	andesite	whole-rock	K-Ar	20.00	1.20
Alaska	84ARh70	dacite	hornblende	K-Ar	23.30	2.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Alaska	85ARa47A	basalt	whole-rock	K-Ar	26.30	1.60
Alaska	34		hornblende	K-Ar	26.07	2.00
Alaska	34		biotite	K-Ar	27.81	1.20
Alaska	35		hornblende	K-Ar	26.68	1.80
Alaska	36		biotite	K-Ar	29.14	1.80
Alaska	37		hornblende	K-Ar	25.66	2.00
Alaska	37		biotite	K-Ar	26.89	1.60
Alaska	47		biotite	K-Ar	39.40	2.20
Alaska	47		hornblende	K-Ar	41.86	2.60
Alaska	48		biotite	K-Ar	34.79	2.00
Alaska	49		biotite	K-Ar	38.58	2.20
Alaska	49		hornblende	K-Ar	39.30	3.80
Alaska	58		biotite	K-Ar	37.45	2.00
Alaska	59		biotite	K-Ar	38.58	2.20
Alaska	60		biotite	K-Ar	31.91	1.80
Alaska	60		hornblende	K-Ar	36.32	3.60
Alaska	61		biotite	K-Ar	34.58	2.60
Alaska	62		biotite	K-Ar	37.04	2.00
Alaska	75		biotite	K-Ar	35.61	2.20
Alaska	76		biotite	K-Ar	36.53	2.00
Alaska	80		biotite	K-Ar	40.94	2.20
Alaska	81		biotite	K-Ar	34.89	2.00
Alaska	82		biotite	K-Ar	41.45	2.20
Alaska	83		biotite	K-Ar	36.94	2.00
Alaska	84		biotite	K-Ar	37.65	2.20
Alaska	99		biotite	K-Ar	40.12	2.20
Alaska	101		biotite	K-Ar	26.48	1.60
Alaska	101		hornblende	K-Ar	36.94	1.80
Alaska	102		biotite	K-Ar	25.76	1.60
Alaska	103		biotite	K-Ar	25.45	1.40
Alaska	105		biotite	K-Ar	36.83	1.40
Alaska	109		biotite	K-Ar	29.35	1.60
Alaska	110		biotite	K-Ar	30.89	1.80
Alaska	111		hornblende	K-Ar	29.76	1.80
Alaska	114		hornblende	K-Ar	39.30	3.80
Izu-Ogasawara						
Izu-Ogasawara	MWD92-2	pl-opx dacite	whole-rock??	K-Ar	6.04	0.14
Izu-Ogasawara	MWD92-16a	hb dacite	whole-rock??	K-Ar	2.95	0.08
Izu-Ogasawara	MWD93-3	cpx-opx andesite	whole-rock??	K-Ar	6.75	0.24
Izu-Ogasawara	MWD108-1	cpx-ol basalt	whole-rock??	K-Ar	3.65	0.32
Izu-Ogasawara	MWD103-1	cpx andesite	whole-rock??	K-Ar	4.54	0.38
Izu-Ogasawara	MWD115-2	opx-cpx andesite	whole-rock??	K-Ar	8.89	0.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Izu-Ogasawara	MWD12-1	pl-cpx dacite	whole-rock??	K-Ar	3.76	0.48
Izu-Ogasawara	MWD94-1	opx-cpx andesite	whole-rock??	K-Ar	4.82	0.32
Izu-Ogasawara	MWD90-1	cpx andesite	whole-rock??	K-Ar	12.50	0.40
Izu-Ogasawara	GHD621-11	cpx-ol basalt	whole-rock??	K-Ar	0.99	0.22
Izu-Ogasawara	GHD623-1	hb-opx-cpx-qz-bt dacite	whole-rock??	K-Ar	2.45	0.08
Izu-Ogasawara	GHD623-14	hb-pl dacite	whole-rock??	K-Ar	2.39	0.26
Izu-Ogasawara	MWD70-2	cpx-opx andesite	whole-rock??	K-Ar	3.67	0.20
Izu-Ogasawara	MWD72-7	cpx-ol basalt	whole-rock??	K-Ar	1.49	0.26
Izu-Ogasawara	MWD87-3	cpx-ol basalt	whole-rock??	K-Ar	1.78	0.14
Izu-Ogasawara	MWD74-3	ol-cpx basalt	whole-rock??	K-Ar	2.05	0.14
Izu-Ogasawara	MWD75-1	ol basalt	whole-rock??	K-Ar	5.11	0.50
Izu-Ogasawara	MWD80-2	hb dacite	whole-rock??	K-Ar	2.05	0.14
Izu-Ogasawara	MWD76-1	ol-cpx basalt	whole-rock??	K-Ar	3.22	0.70
Izu-Ogasawara	MWD102-3	ol-cpx basalt	whole-rock??	K-Ar	1.53	0.28
Izu-Ogasawara	GHD636	ol-cpx-opx basalt	whole-rock??	K-Ar	6.95	0.30
Izu-Ogasawara	GHD621-2	cpx-ol basalt	whole-rock??	K-Ar	1.33	0.10
Izu-Ogasawara	GHD616-1	cpx-ol basalt	whole-rock??	K-Ar	2.76	0.50
Izu-Ogasawara	GHD368	cpx-ol basalt	whole-rock??	K-Ar	2.68	0.16
Izu-Bonin	780-1	bronzite andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	49.11	0.60
Izu-Bonin	780-25	boninite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	46.87	0.60
Izu-Bonin	780-36	boninite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	48.40	0.80
Izu-Bonin	780-96	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	45.59	0.46
Izu-Bonin	780-30	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	44.83	0.60
Izu-Bonin	#823 R8	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	44.71	0.42
Izu-Bonin	#824 R9	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	42.63	0.28
Izu-Bonin	#826 R8	high Mg andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	43.67	0.36
Izu-Bonin		boninite			48.00	1.00
Izu-Bonin	125-782A-45X-1, 31-35	dacite clast	whole-rock	K-Ar	18.10	1.20
Izu-Bonin	125-782A-50X-1, 19-30	andesite clast	whole-rock	K-Ar	30.70	2.60
Izu-Bonin	125-782B-1W-1, 52-55	andesite clast	whole-rock	K-Ar	36.20	2.20
Izu-Bonin	125-786A-12X-1, 133-138	high Al basalt clast	whole-rock	K-Ar	9.20	0.80
Izu-Bonin	125-786A-16X-1, 24-29	intermediate-Ca boninite clast	whole-rock	K-Ar	15.30	2.00
Izu-Bonin	125-786B-2R-1, 72-76	intermediate-Ca bronzite-andesite	whole-rock	K-Ar	41.00	2.20
Izu-Bonin	125-786B-6R-2, 135-137	high Ca boninite	whole-rock	K-Ar	17.30	1.80
Izu-Bonin	125-786B-11R-1, 121-123	intermediate-Ca boninite	whole-rock	K-Ar	25.70	2.40
Izu-Bonin	125-786B-16R-1, 135-138	andesite	whole-rock	K-Ar	33.70	1.20
Izu-Bonin	125-786B-20R-1, 43-46	intermediate-Ca boninite	whole-rock	K-Ar	12.00	3.40
Izu-Bonin	125-786B-21R-2, 85-94	high Ca boninite	whole-rock	K-Ar	33.80	2.40
Izu-Bonin	125-786B-30R-1, 0-7	intermediate-Ca bronzite-andesite	whole-rock	K-Ar	39.80	2.60
Izu-Bonin	125-786B-30R-2, 59-66	intermediate-Ca bronzite-andesite	whole-rock	K-Ar	37.90	2.00
Izu-Bonin	125-786B-32R-2, 83-85	rhyolite	whole-rock	K-Ar	41.10	2.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Izu-Bonin	125-786B-34R-3, 48-54	high Ca boninite	whole-rock	K-Ar	34.00	2.00
Izu-Bonin	125-786B-35R-1, 122-126	dacite	whole-rock	K-Ar	38.20	2.40
Izu-Bonin	125-786B-40R-2, 83-90	high Ca boninite	whole-rock	K-Ar	35.50	6.00
Izu-Bonin	125-786B-57R-4, 7-13	low Ca boninite	whole-rock	K-Ar	38.40	4.60
Izu-Bonin	125-786B-65R-1, 25-32	andesite	whole-rock	K-Ar	36.00	1.20
Izu-Bonin	125-786B-66R-2, 128-135	rhyolite	whole-rock	K-Ar	41.30	1.60
Izu-Bonin	125-786B-67R-1, 56-59	intermediate-Ca boninite	whole-rock	K-Ar	41.10	3.80
Izu-Bonin	125-786B-70R-1, 92-97	low-Ca bronzite-andesite	whole-rock	K-Ar	38.70	1.60
Izu-Bonin	125-786B-70R-4, 27-35	low-Ca bronzite-andesite	whole-rock	K-Ar	43.90	4.80
Izu-Bonin	125-786B-72R-1, 3-7	intermediate-Ca boninite	whole-rock	K-Ar	33.80	1.60
Izu-Bonin	126-792E-69R-1	ash layer in sandstone	amphibole	K-Ar	37.70	4.60
Izu-Bonin	126-792E-71R-3	andesite	whole-rock	K-Ar	33.30	2.40
Izu-Bonin	CC01	boninite	whole-rock	K-Ar	8.40	0.60
Izu-Bonin	CC13	boninite	whole-rock	K-Ar	8.00	0.40
Izu-Bonin	CC16	boninite	whole-rock	K-Ar	41.30	2.20
Izu-Bonin	CC07	dacite	whole-rock	K-Ar	38.60	2.00
Izu-Bonin	CC09	dacite	whole-rock	K-Ar	43.00	2.60
Izu-Bonin	NK01	boninite	whole-rock	K-Ar	42.30	2.40
Izu-Bonin	CH-1		whole-rock	K-Ar	41.90	2.00
Izu-Bonin	786B 02R-1 72-76		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.80	0.60
Izu-Bonin	786B 02R-1 72-76		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	46.70	0.80
Izu-Bonin	786B 66R-2 128-135		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.50	0.24
Izu-Bonin	786B 70R-4 27-35		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.30	0.80
Izu-Bonin	Chi-1		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	44.80	0.60
Izu-Bonin	DSDP 296-63-4	lapilli tuff	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	49.10	4.00
Izu-Bonin	MWD24-1	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.62	0.28
Izu-Bonin	MWD22-2	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.49	0.36
Izu-Bonin	GHD616-1	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.77	0.42
Izu-Bonin	GHD368	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.70	0.60
Izu-Bonin	MWD72-7	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.29	0.14
Izu-Bonin	GHD621-11	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.47	0.10
Izu-Bonin	GHD623-1	hb-opx-cpx-bt dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.49	0.04
Izu-Bonin	GFD623-14	hb-pl dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.51	0.14
Izu-Bonin	MWD102-3	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.96	0.46
Izu-Bonin	MWD67-3	cpx-ol basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.60	0.60
Izu-Bonin	MWD66-1	augite andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.96	0.08
Izu-Bonin	MWD79-1	rhyolite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.88	0.22
Izu-Bonin	MWD80-2	hb dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.08	0.08
Izu-Bonin	MWD83-2	dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.54	0.22

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Izu-Bonin	MWD84-2	opx dacite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	1.33	0.14
Izu-Bonin	MWD97-1	cpx-ol basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	9.00	0.80
Izu-Bonin	MWD92-2	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.05	0.14
Izu-Bonin	MWD75-1	ol basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.22	0.28
Izu-Bonin	MWD76-1	ol basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.70	0.42
Izu-Bonin	MWD112-1	hb dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.81	0.20
Izu-Bonin	MWD108-1	ol-cpx basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.80	0.60
Izu-Bonin	MWD370-6-1	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	10.67	0.26
Izu-Bonin	MWD105-5a	ol-cpx basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.70	0.80
Izu-Bonin	MWD103-1	cpx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.84	0.22
Izu-Bonin	MWD115-2	opx-cpx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.77	0.28
Izu-Bonin	MWD884-1	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.53	0.12
Izu-Bonin	KT97-8 D8-5	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.86	0.18
Izu-Bonin	MWD10-1	pl andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.05	0.32
Izu-Bonin	MWD118-9	cpx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.62	0.04
Izu-Bonin	MWD116-2	cpx-opx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.62	0.10
Izu-Bonin	MWD120-2	cpx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	17.06	0.24
Izu-Bonin	MWD90-1	cpx andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	12.34	0.48
Izu-Bonin	MWD63-3	cpx-ol basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.35	0.20
Izu-Bonin	MWD62-3	ol-cpx basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.92	0.34
Izu-Bonin	MWD92-16a	hb dacite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	3.12	0.36
Izu-Bonin	GUM 80-1b	andesite	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	38.64	1.42
Izu-Bonin	ROT-02-3	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	33.65	0.60
Izu-Bonin	ROT-02-3	andesite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	30.86	1.86
Izu-Bonin	ROT-02-8	andesite	gm	$^{40}\text{Ar}/^{39}\text{Ar}$	34.96	0.38
Izu-Bonin	ROT-02-8	andesite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	33.41	2.20
Izu-Bonin	SPN02-02	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	44.99	3.00
Izu-Bonin	SPN-02-13	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	46.14	1.60
Izu-Bonin	SH-1		biotite	K-Ar	13.10	0.60
Izu-Bonin	SH-2		biotite	K-Ar	12.60	0.80
Izu-Bonin	SH-3		biotite	K-Ar	12.00	0.40
Izu-Bonin	SH-4		biotite	K-Ar	11.20	0.40
Izu-Bonin	SH-5		biotite	K-Ar	11.20	0.40
Izu-Bonin	SH-6		biotite	K-Ar	13.50	1.40
Izu-Bonin	SH-6		hornblende	K-Ar	12.40	0.60
Izu-Bonin	SH-7		biotite	K-Ar	13.00	0.60
Izu-Bonin	SH-8		biotite	K-Ar	12.40	0.60
Izu-Bonin	MZ-1		biotite	K-Ar	15.40	1.00

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Izu-Bonin	MZ-2		biotite	K-Ar	14.50	2.20
Izu-Bonin	MZ-3		biotite	K-Ar	15.20	1.60
Izu-Bonin	MZ-4		biotite	K-Ar	14.30	1.20
Izu-Bonin	MZ-5		biotite	K-Ar	15.30	2.00
Izu-Bonin	MZ-6		biotite	K-Ar	15.70	0.80
Izu-Bonin	MZ-7		biotite	K-Ar	14.40	0.80
Izu-Bonin	SA-1		biotite	K-Ar	14.00	1.20
Izu-Bonin	SH-4		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	10.80	2.00
Izu-Bonin	SH-6		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	12.10	2.20
Izu-Bonin	MZ-2		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	14.90	2.60
Izu-Bonin	MZ-4		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	13.50	2.20
Izu-Bonin	MZ-6		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	14.90	2.60
Izu-Bonin	185-1149A-1H-2		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.15	0.20
Izu-Bonin	185-1149A-2H-1		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.29	0.04
Izu-Bonin	185-1149A-3H-2		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.45	0.08
Izu-Bonin	185-1149A-3H-4		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.71	0.07
Izu-Bonin	185-1149A-4H-1		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.76	0.08
Izu-Bonin	185-1149A-4H-3		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.89	0.01
Izu-Bonin	185-1149A-6H-1		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.58	0.06
Izu-Bonin	185-1149A-7H-7		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	2.68	0.03
Izu-Bonin	185-1149A-8H-6		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.03	0.04
Izu-Bonin	185-1149A-10H-5		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.41	0.31
Izu-Bonin	185-1149A-12H-6		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.30	0.06
Izu-Bonin	185-1149A-13H-3		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	6.92	0.05
Izu-Bonin	191-1179B-2H-2		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.04
Izu-Bonin	191-1179B-2H-4		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.36	0.09
Izu-Bonin	191-1179B-4H-6		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.03	0.04
Izu-Bonin	191-1179B-5H-1		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.14	0.04
Izu-Bonin	191-1179B-5H-6		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	2.03	0.16
Izu-Bonin	191-1179B-15H-6		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.39	0.07
Izu-Bonin	191-1179B-16H-4		glass	$^{40}\text{Ar}/^{39}\text{Ar}$	5.59	0.09
Marianas						
Marianas	S-9	dacite	feldspar	K-Ar	41.40	0.90
Marianas	S-12	dacite	whole-rock	K-Ar	40.70	1.80
Marianas	S-57	andesite	matrix	K-Ar	35.70	0.50
Marianas	S-51	basalt	groundmass	K-Ar	12.00	0.30
Marianas	GM-F-1	basaltic andesite	groundmass	K-Ar	43.80	1.60
Marianas	GUM-79-2	andesite	groundmass	K-Ar	35.60	0.90
Marianas	GUM-79-6	basaltic dike	groundmass	K-Ar	35.80	0.80

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Marianas	GUM-80-1b	dacite	groundmass	K-Ar	35.30	0.80
Marianas	G-SR-6	basaltic andesite	groundmass	K-Ar	34.70	0.70
Marianas	GM-50	basaltic andesite clast	whole-rock	K-Ar	34.30	0.60
Marianas	SASA-80-2	basaltic sill	groundmass	K-Ar	32.20	1.00
Marianas	GM-63	basaltic andesite clast	whole-rock	K-Ar	13.50	0.20
Marianas	PAL-16	andesite tuff	hornblende	K-Ar	32.30	1.10
Marianas	PAL-19	dacite clast	groundmass	K-Ar	30.30	0.88
Marianas	PAL-3	andesite clast	groundmass	K-Ar	20.10	0.50
Marianas	SA-137	andesite	groundmass	K-Ar	0.49	0.20
Marianas	ANT-79-24	andesite	groundmass	K-Ar	1.31	0.21
Marianas	ANT-79-28	andesite	groundmass	K-Ar	0.40	0.11
Marianas	TSDY-11-D-X	basalt	groundmass	K-Ar	2.31	0.47
Marianas	32R-4		whole-rock	K-Ar	36.90	2.00
Marianas	46R-1		whole-rock	K-Ar	43.60	5.00
Marianas	37R-1		whole-rock	K-Ar	41.90	1.80
Marianas	39R-1		whole-rock	K-Ar	28.00	1.20
Marianas	60R-2		whole-rock	K-Ar	39.90	2.60
Marianas	61R-1		whole-rock	K-Ar	39.00	2.60
Marianas	SA89-9		whole-rock	K-Ar	44.60	4.60
Marianas	SA88-13		whole-rock	K-Ar	44.70	5.00
Marianas	SA88-6		whole-rock	K-Ar	45.30	2.60
Marianas	SA89-1		whole-rock	K-Ar	27.60	1.00
Marianas	SA89-7		whole-rock	K-Ar	26.20	1.40
Marianas	SA89-6		whole-rock	K-Ar	28.30	1.20
Marianas	G89-5		whole-rock	K-Ar	16.30	0.60
Marianas	PA86-14		whole-rock	K-Ar	47.90	2.00
Marianas	PA86-13		whole-rock	K-Ar	25.70	4.80
Marianas	PA86-19		whole-rock	K-Ar	32.60	1.40
Marianas	PA86-18		whole-rock	K-Ar	32.10	1.00
Marianas	PA86-22		whole-rock	K-Ar	31.90	1.40
Marianas	PA86-24		whole-rock	K-Ar	32.20	2.00
Marianas	PA86-16		whole-rock	K-Ar	33.90	2.20
Marianas	PA-89-7		whole-rock	K-Ar	34.30	1.60
Marianas	PA86-4		whole-rock	K-Ar	30.20	2.00
Marianas	458 37R-1		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	49.30	0.80
Marianas	459B 60R-2		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	45.10	2.20
Western U.S. and Canada						
Challis	93-1	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.70	0.08
Challis	Tck	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.36	0.10
Challis	Tvl1	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.73	0.10
Absaroka	91IN2	ash flow tuff?	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	51.57	0.14

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Absaroka	2117	ash flow tuff?	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	49.03	0.12
Absaroka	2085	ash flow tuff?	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	48.46	0.10
Absaroka	1054	ash flow tuff?	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	48.55	0.12
Absaroka	IN8	ash flow tuff?	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	48.68	0.26
Challis (Canada)	376 BCF		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	50.00	1.00
Challis (Canada)	379 SL		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	52.00	1.00
Challis (Canada)	448 SL		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	49.00	2.00
Challis	1 (91-169)	rhyolite dike	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	53.35	0.30
Challis	2 (91-168)	rhyolite dike	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	52.99	0.26
Challis	3 (82-528)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.76	0.34
Challis	4 (82-504)	welded ash flow	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.69	0.36
Challis	5 (Tcq)	rhyolite tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.64	0.24
Challis	6 (87-64)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.61	0.36
Challis	7 (88-100)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.19	0.34
Challis	8 (Tcl)	vitric tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	47.95	0.24
Challis	9 (91-171)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	47.07	0.26
Challis	10 (89-135-3)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	46.37	0.36
Challis	11 (88-59)	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	46.09	0.40
Challis	12 (81-189)	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	46.04	0.30
Challis	13 (82-322)	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.93	0.34
Challis	14 (82-551)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.79	0.28
Challis	15 (89-135-4)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.72	0.32
Challis	16 (87-63)	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.70	0.28
Challis	17 (91-170)	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.54	0.22
Challis	18 (91-104)	lithic tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	45.04	0.26
Absaroka	SV97-29	langford formation	amphibole	$^{40}\text{Ar}/^{39}\text{Ar}$	49.55	0.16
Absaroka	SV97-03	base of jim mountain	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	49.50	0.16
Absaroka	SV97-07	trachyandesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	48.35	0.10
Absaroka	SV98-02	trachyandesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	48.10	0.10
Absaroka	SV97-33	trachyte dike	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	49.20	0.10
Absaroka	SV97-14	trachyandesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	48.49	0.10
Absaroka	SV97-37	stock	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	48.14	0.08
Challis (Canada)	HU-95	Goosly Lake volcanics	phlogopite	$^{40}\text{Ar}/^{39}\text{Ar}$	52.00	1.00
Challis (Canada)	New-52	Goosly Lake intrusives	phlogopite	$^{40}\text{Ar}/^{39}\text{Ar}$	52.00	1.00
Absaroka	SCM	pumice	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	47.17	0.08
Absaroka	TaB	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.11	0.08
Absaroka	HeF	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.15	0.08

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Absaroka	LeC	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.62	0.28
Absaroka	ChB	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.76	0.09
Absaroka	CP-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.66	0.28
Absaroka	AC-3	sand bed	K-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	48.70	0.19
Absaroka	SB-3	tuff	feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	48.94	0.29
Absaroka	SB-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	48.95	0.12
Absaroka	TR-5	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	49.62	0.10
Absaroka	TR-6	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	49.79	0.09
Absaroka	TR-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	49.96	0.08
Absaroka	BT-14	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	50.61	0.23
Absaroka	WN-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	50.39	0.13
Absaroka	FC-2	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	50.83	0.13
Absaroka	BT-18	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	51.30	0.30
Absaroka	WP-3	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	51.90	0.09
Absaroka	FQ-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	51.66	0.09
Absaroka	FF	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	47.94	0.17
Absaroka	WR-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	51.24	0.52
Absaroka	SR-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	44.00	0.92
Absaroka	IC-6	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	45.14	0.10
Absaroka	IC-5	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	45.58	0.14
Absaroka	IC-2	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	46.34	0.13
Absaroka	SW-1	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	47.04	0.18
Absaroka	GC-2b	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	48.37	0.23
Absaroka	GC-5b	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	49.02	0.30
Absaroka	WB-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	47.70	0.12
Absaroka	HD-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	51.74	0.09
Challis	88-88	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	49.00	0.40
Challis	88-132	tuff	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	48.00	0.40
Challis	88-138		hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	48.40	0.60
Challis	88-143	dacite	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	49.20	0.60
Challis	88-139	vitrophyre	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	48.80	0.40
Challis	88-100	airfall tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	46.10	0.40
Challis	88-222	tuff	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	48.20	0.80
SRMVF	Snowshoe Mtn	dacite tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.87	0.06
SRMVF	Cochetopa	rhyolite lavas	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.86	0.08
SRMVF	Nelson	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.91	0.06
SRMVF	Rat Creek	rhyolitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.92	0.10

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SRMF	Fish Canyon	dacitic ash flow tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.02	0.16
SRMF	Carpenter Ridge	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.55	0.10
SRMF	Wason Park	rhyolite tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.44	0.06
San Juan VF		basalt flow	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	21.81	0.21
San Juan VF		dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.77	0.04
San Juan VF		dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.82	0.05
San Juan VF		dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.87	0.02
San Juan VF		rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.02	0.13
San Juan VF		rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.86	0.03
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.10	0.04
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.91	0.04
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.90	0.02
San Juan VF		tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.10	0.07
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.90	0.02
San Juan VF		tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.08	0.08
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.38	0.05
San Juan VF		andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	27.49	0.03
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.55	0.05
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.41	0.11
San Juan VF		andesite	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	27.98	0.34
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.02	0.28
San Juan VF		tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	28.89	0.08
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.27	0.06
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.42	0.08
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.46	0.04
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	29.12	0.05
San Juan VF		rhyolite and dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	29.74	0.11
San Juan VF		basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	30.22	0.10
San Juan VF		andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	30.21	0.17
San Juan VF		tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	30.47	0.08
San Juan VF		andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	29.98	0.31
San Juan VF		hbl andesite	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	30.41	0.79
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.17	0.04
San Juan VF		dacite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	32.19	0.12
San Juan VF		dacite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	32.82	0.08
San Juan VF		rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.15	0.10
San Juan VF		rhyolite breccia	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.44	0.08

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.25	0.05
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.50	0.03
San Juan VF		rhyolite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	31.49	0.14
San Juan VF		dacite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	32.00	0.09
San Juan VF		dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.72	0.09
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.17	0.06
San Juan VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	34.35	0.07
San Juan VF		hbl-rich dike	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	34.61	0.16
San Juan VF		dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	34.04	0.06
San Juan VF		tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	36.85	0.08
San Juan VF		andesite	whole-rock	K-Ar	37.90	3.00
San Juan VF		andesite	whole-rock	K-Ar	37.30	2.60
San Juan VF		dacite	biotite	K-Ar	36.20	1.60
San Juan VF		dacite	biotite	K-Ar	35.70	2.70
San Juan VF		rhyolite	sanidine	K-Ar	35.70	1.80
San Juan VF		andesite	biotite	K-Ar	34.70	1.00
San Juan VF		andesite	hornblende	K-Ar	31.10	5.60
San Juan VF		rhyolite	biotite	K-Ar	36.80	2.20
San Juan VF		andesite	biotite	K-Ar	32.60	3.90
San Juan VF		rhyolite	alunite	K-Ar	33.10	1.00
San Juan VF	68L-107	quartz latite	biotite	K-Ar	26.20	1.00
San Juan VF	L-1126	quartz monzonite	biotite	K-Ar	27.60	0.80
San Juan VF	L-942	quartz monzonite	hornblende	K-Ar	24.70	0.80
San Juan VF		quartz monzonite	biotite	K-Ar	26.40	1.10
San Juan VF	L-1036	monzonite	biotite	K-Ar	26.10	0.80
San Juan VF	S333	quartz latite	sanidine	K-Ar	27.50	1.40
San Juan VF	S332	quartz latite	sanidine	K-Ar	27.20	1.00
San Juan VF	Ds10	quartz latite	sanidine	K-Ar	28.00	0.80
San Juan VF	Ds10	quartz latite	biotite	K-Ar	26.90	0.80
San Juan VF	Ds10	quartz latite	hornblende	K-Ar	26.50	1.80
San Juan VF	Ds10	quartz latite	plagioclase	K-Ar	25.30	0.70
San Juan VF	736	quartz latite	glass	K-Ar	27.10	1.60
San Juan VF	737	tuff	biotite	K-Ar	27.40	1.50
San Juan VF	S292	tuff	sanidine	K-Ar	28.60	0.80
San Juan VF	S318	tuff	sanidine	K-Ar	28.40	0.80
San Juan VF	65L-132	tuff	biotite	K-Ar	30.30	1.20
San Juan VF	65L-132	tuff	plagioclase	K-Ar	30.90	2.20
San Juan VF	67L-231	tuff	biotite	K-Ar	28.30	1.10
San Juan VF	67L-231	tuff	plagioclase	K-Ar	27.70	1.20
San Juan VF	67L-124	tuff	biotite	K-Ar	29.20	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
San Juan VF	67L-109	lava	biotite	K-Ar	29.10	1.20
San Juan VF	67L-109	lava	plagioclase	K-Ar	27.60	2.30
San Juan VF	67L-109	lava	hornblende	K-Ar	32.60	2.30
San Juan VF	67L-109	lava	hornblende	K-Ar	32.40	2.30
San Juan VF	66L-101B	lava	biotite	K-Ar	29.40	1.10
San Juan VF	66L-101B	lava	plagioclase	K-Ar	26.80	2.20
San Juan VF			sanidine	K-Ar	26.60	1.80
San Juan VF	67L-113	stock	biotite	K-Ar	29.80	1.20
San Juan VF	74L-12	granodiorite porphyry	biotite	K-Ar	29.60	0.80
San Juan VF	74L-12	granodiorite porphyry	hornblende	K-Ar	30.70	1.00
San Juan VF	74L-4	granodiorite porphyry	plagioclase	K-Ar	32.70	1.00
San Juan VF	RD-336-68	rhyodacite	biotite	K-Ar	32.30	1.30
San Juan VF	RD-336-68	rhyodacite	hornblende	K-Ar	32.90	2.40
San Juan VF	RD-336-68	rhyodacite	plagioclase	K-Ar	33.80	4.30
San Juan VF	V-998	andesite	biotite	K-Ar	34.10	1.30
San Juan VF	V-998	andesite	plagioclase	K-Ar	34.60	2.10
San Juan VF	V-999	andesite	plagioclase	K-Ar	35.10	1.60
San Juan VF	Ds 196	rhyodacite	biotite	K-Ar	35.00	1.40
San Juan VF	Ds 196	rhyodacite	hornblende	K-Ar	34.20	2.20
San Juan VF	68L-105	rhyodacite	biotite	K-Ar	34.90	1.40
San Juan VF	68L-105	rhyodacite	hornblende	K-Ar	34.80	1.60
San Juan VF	68L-91	rhyodacite	biotite	K-Ar	34.20	1.30
San Juan VF		rhyodacite	hornblende	K-Ar	32.00	1.80
San Juan VF	Ds 1418	andesite	plagioclase	K-Ar	31.90	2.70
San Juan VF	66L-120	rhyolite	biotite	K-Ar	33.10	1.30
San Juan VF	68L-20	rhyodacite	biotite	K-Ar	35.30	1.40
San Juan VF	68L-20	rhyodacite	hornblende	K-Ar	35.90	2.40
San Juan VF	UR-1	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.63	0.10
San Juan VF	BM-2	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.40	0.14
San Juan VF	BM-3	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.59	0.40
San Juan VF	DM-3	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.38	0.10
San Juan VF	DM-4	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.42	0.12
San Juan VF	SM-4	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.22	0.14
San Juan VF	SM-5	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.17	0.12
San Juan VF	SM-6	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.18	0.10
San Juan VF	CL-6	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.62	0.14
San Juan VF	CL-7	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.73	0.10
San Juan VF	SM-1	stock	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.56	0.08
San Juan VF	SM-2	stock	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.66	0.12
San Juan VF	MP-8	monzonite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.39	0.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
San Juan VF	UPL-1		sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	25.63	0.08
San Juan VF	UHT-10	vein	sericite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.40	0.08
San Juan VF	LV-9	vein	sericite	$^{40}\text{Ar}/^{39}\text{Ar}$	25.29	0.10
San Juan VF	85L-29C	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.19	0.40
San Juan VF	85L-29C	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.06	0.28
San Juan VF	85L-29F	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.04	0.46
San Juan VF	SJ85-73	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.83	0.26
San Juan VF	85L-37	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.11	0.28
San Juan VF	82COLE-5	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.82	0.28
San Juan VF	85S-129	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.83	0.30
San Juan VF	82COLE-1	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.39	0.78
San Juan VF	82COLE-11	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.25	0.62
San Juan VF	DS89 003	dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.31	0.28
San Juan VF	91COLE-2	dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.34	0.14
San Juan VF	82COLE 7	dacite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.63	0.28
San Juan VF	82COLE-4	dacite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.02	0.60
San Juan VF	DAS87 147	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.67	0.51
San Juan VF	2R223	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.69	0.60
San Juan VF	2R235	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.75	0.30
San Juan VF	4RU-U-1B		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.92	0.16
San Juan VF	2R8		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.39	0.32
San Juan VF	1R35		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.97	0.20
San Juan VF	2R31		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.10	0.14
San Juan VF	1R58		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	27.10	0.20
San Juan VF	2R125		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	26.13	0.84
San Juan VF	Park Creek	dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.15	0.14
San Juan VF	Fisher Gulch	dacite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.38	0.18
San Juan VF	Chiquito Peak, intracaldera	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.43	0.14
San Juan VF	Chiquito Peak, outflow	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.39	0.14
San Juan VF	Masonic Park	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	28.60	0.46
San Juan VF	South Fork	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.76	0.14
San Juan VF	Ra Jadero	tuff	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.78	0.10
San Juan VF	Ojito Peak	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	29.10	0.60
San Juan VF	La Jara Canyon	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	29.30	0.60
San Juan VF	Black Mountain	tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	29.40	0.80
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.88	0.08
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	32.99	0.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Central Colorado VF			sanidine/biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	33.11	0.29
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.66	0.14
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.61	0.17
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.71	0.10
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.81	0.11
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.76	0.10
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.66	0.13
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	36.50	0.16
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	36.69	0.09
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	34.31	0.12
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	36.22	0.32
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	37.49	0.22
Central Colorado VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	38.18	0.32
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	27.38	0.12
Central Colorado VF			anorthite	$^{40}\text{Ar}/^{39}\text{Ar}$	32.89	0.21
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.73	0.20
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	33.76	0.15
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	34.05	0.08
Central Colorado VF			anorthite	$^{40}\text{Ar}/^{39}\text{Ar}$	28.88	0.21
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	30.35	0.08
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	30.08	0.08
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	31.99	0.56
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	35.39	0.12
Central Colorado VF			groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.50	0.09
Central Colorado VF			groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	31.28	0.21
Central Colorado VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	31.57	0.33
Central Colorado VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	33.40	0.57
Central Colorado VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	33.68	0.12
Central Colorado VF			hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	36.09	0.49
Central Colorado VF			sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	36.14	0.10
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	29.59	0.13
Central Colorado VF			K-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	34.13	0.18
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	34.07	0.90
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	34.00	0.30
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	34.31	0.21
Central Colorado VF			biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	34.50	0.30
Colorado	391	GRANITE	BIOTITE	K-Ar	12.30	1.20

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Colorado	348	GRANITE	BIOTITE	K-Ar	12.50	1.20
Colorado	390	GRANODIORITE	BIOTITE	K-Ar	29.00	2.20
Colorado	472	GRANODIORITE	BIOTITE	K-Ar	29.10	2.00
Colorado	389	GRANODIORITE	BIOTITE	K-Ar	31.20	2.20
Colorado	NY-5	GRANODIORITE	BIOTITE	K-Ar	33.90	2.20
Colorado	WR-2	GRANODIORITE	BIOTITE	K-Ar	33.90	2.00
Colorado	386	GRANODIORITE	BIOTITE	K-Ar	34.10	2.80
Colorado	TL	MONZONITE	BIOTITE	K-Ar	41.70	2.40
Challis	YU-864	ADAMELLITE	BIOTITE	K-Ar	46.50	2.80
Challis	YU-863	ADAMELLITE	BIOTITE	K-Ar	47.20	2.80
Challis	YU-862	ADAMELLITE	BIOTITE	K-Ar	45.90	2.60
Challis	MHS-94-71	TUFF	SANIDINE	K-Ar	41.30	2.80
Challis	BL-203	RHYODACITE	BIOTITE	K-Ar	51.20	3.40
Challis	YU-RAP 71-18	NOT-GIVEN	WHOLE ROCK	K-Ar	43.10	2.60
Challis	YU-1032	RHYOLITE	FELDSPAR	K-Ar	44.90	2.60
Challis	YU-1031	LATITE	FELDSPAR	K-Ar	39.70	2.40
Challis	YU-1029	BASALT	WHOLE ROCK	K-Ar	48.10	2.80
Challis	YU-1028	LATITE	FELDSPAR	K-Ar	49.20	2.80
Challis	YU-1027	BASALT	WHOLE ROCK	K-Ar	50.30	3.00
Challis	YU-1026	RHYODACITE	WHOLE ROCK	K-Ar	46.80	2.80
Challis	YU-875	ANDESITE	BIOTITE	K-Ar	48.50	2.80
Challis	YU-TALBR3DRK		WHOLE ROCK	K-Ar	42.60	2.40
Challis	YU-TALBR3LT		WHOLE ROCK	K-Ar	47.40	2.80
Challis	YU-CWF 12-9-X	TUFF	WHOLE ROCK	K-Ar	48.90	2.80
Challis	YU-WT 268	GRANITE	HORNBLENDE	K-Ar	51.00	3.00
Challis	DRS-22-69	GRANODIORITE	HORNBLENDE	K-Ar	52.20	4.00
Challis	no name22	RHYOLITE	SANIDINE	K-Ar	43.10	4.00
Challis	no name 21	GRANITE	FELDSPAR	K-Ar	47.20	6.00
Challis	HJO-2-65	MONZONITE	BIOTITE	K-Ar	45.10	2.60
Challis	HJO-1-65	MONZONITE	BIOTITE	K-Ar	49.20	2.80
Challis	no name19	GRANODIORITE	BIOTITE	K-Ar	42.10	3.60
Challis	YU-802	GRANITE	PHLOGOPITE	K-Ar	45.50	2.60
Challis	YU-1035	APLITE	BIOTITE	K-Ar	48.60	2.80
Challis	YU-1034	ADAMELLITE	BIOTITE	K-Ar	45.30	2.60
Challis	YU-1033	ADAMELLITE	BIOTITE	K-Ar	48.70	2.80
Challis		GRANODIORITE	HORNBLENDE	K-Ar	52.30	3.00
Challis		GRANODIORITE	HORNBLENDE	K-Ar	51.50	3.00
Challis	YU-RAP 71-15		BIOTITE	K-Ar	48.90	2.80
Colorado	S-56B	RHYOLITE	BIOTITE & SANIDIN	K-Ar	26.92	0.14
Colorado	R-284	DACITE	BIOTITE & SANIDIN	K-Ar	26.26	0.08
Challis	72	GRANITE	MUSCOVITE	K-Ar	49.10	3.00
Challis	69	GRANITE	HORNBLENDE	K-Ar	48.00	3.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Challis	64	GRANITE	MUSCOVITE	K-Ar	50.00	3.40
Challis	62	GRANITE	BIOTITE	K-Ar	46.60	2.80
Challis	55	GRANITE	BIOTITE	K-Ar	46.40	2.80
Challis	80	GRANITE	BIOTITE	K-Ar	51.30	4.00
Challis	75	GRANITE	MUSCOVITE	K-Ar	51.10	3.00
Challis	68	GRANITE	HORNBLENDE	K-Ar	52.30	10.00
Challis	66	GRANITE	MUSCOVITE	K-Ar	54.30	3.20
Challis	65	GRANITE	MUSCOVITE	K-Ar	48.70	3.80
Challis	63	GRANITE	BIOTITE	K-Ar	47.30	2.80
Challis	56	GRANITE	BIOTITE	K-Ar	46.30	2.80
Challis	53	GRANITE	BIOTITE	K-Ar	47.00	2.80
Challis	51	GRANITE	BIOTITE	K-Ar	45.50	2.60
Challis	50	GRANITE	BIOTITE	K-Ar	42.80	2.40
Challis	49	GRANITE	BIOTITE	K-Ar	49.90	3.00
Challis	47	GRANITE	BIOTITE	K-Ar	48.10	2.80
Challis	41	GRANITE	MUSCOVITE	K-Ar	50.40	3.00
Challis	40	GRANITE	MUSCOVITE	K-Ar	50.00	3.00
Challis	39	GRANITE	BIOTITE	K-Ar	50.80	3.00
Challis	37	GRANITE	BIOTITE	K-Ar	48.90	2.80
Challis	33	GRANITE	BIOTITE	K-Ar	52.50	3.00
Challis	12	GRANITE	MUSCOVITE	K-Ar	54.40	3.20
Challis	11	GRANITE	MUSCOVITE	K-Ar	50.10	3.00
Challis	9	GRANITE	BIOTITE	K-Ar	52.10	3.00
Challis	8	GRANITE	MUSCOVITE	K-Ar	50.10	3.00
Challis	4	GRANITE	BIOTITE	K-Ar	50.60	3.00
Challis	3	GRANITE	BIOTITE	K-Ar	54.90	3.20
Challis	2	GRANITE	BIOTITE	K-Ar	50.90	3.00
Challis	1	GRANITE	BIOTITE	K-Ar	54.80	3.20
Challis	KW-914-67	RHYOLITE	WHOLE ROCK	K-Ar	44.70	3.40
Challis	KW-19-66	ANDESITE	PLAGIOCLASE	K-Ar	51.00	7.60
Challis	KW-66-66	ANDESITE	BIOTITE	K-Ar	49.30	5.00
San Juan VF	W166559	RHYODACITE	none	K-Ar	34.05	1.70
San Juan VF	W166553	RHYOLITE	none	K-Ar	34.40	2.40
Challis	N	VITROSPHERE	BIOTITE	K-Ar	45.80	2.40
Challis	M	PYROCLASTIC-FALL	BIOTITE	K-Ar	47.90	3.00
Challis	L	PYROCLASTIC-FALL	BIOTITE	K-Ar	48.30	2.60
Challis	K	TUFF	BIOTITE	K-Ar	46.70	2.60
Challis	K	TUFF	HORNBLENDE	K-Ar	45.50	2.80
Challis	J	ANDESITE	HORNBLENDE	K-Ar	47.70	4.60
Challis	I	ANDESITE	HORNBLENDE	K-Ar	47.40	3.60
Challis	H	TUFF	BIOTITE	K-Ar	49.10	2.60
Challis	H	TUFF	SANIDINE	K-Ar	49.00	2.60

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Challis	G	PYROCLASTIC-FALL	BIOTITE	K-Ar	50.60	2.80
Challis	F	PYROCLASTIC-FALL	SANIDINE	K-Ar	47.30	2.40
Challis	E	TUFF	BIOTITE	K-Ar	49.80	2.60
Challis	E	TUFF	SANIDINE	K-Ar	49.10	2.60
Challis	C	TUFF	BIOTITE	K-Ar	49.20	2.60
Challis	A	TUFF	SANIDINE	K-Ar	50.50	3.00
Challis	BM-1	BASALT	WHOLE ROCK	K-Ar	44.80	3.20
Challis	CC-1	BASALT	WHOLE ROCK	K-Ar	46.00	4.00
Challis	CM-2	RHYOLITE	FELDSPAR	K-Ar	47.60	4.20
Challis	NR-1	RHYOLITE	BIOTITE	K-Ar	52.70	4.00
Challis	USGSD-I-15	RHYODACITE	WHOLE ROCK	K-Ar	47.10	3.20
Challis	USGSD-836-2	BASALT	WHOLE ROCK	K-Ar	45.60	3.20
Challis	USGSD-429-1-2	BASALT	WHOLE ROCK	K-Ar	49.80	3.80
Challis	USGSD-648-1	BASALT	WHOLE ROCK	K-Ar	49.90	3.40
Challis	USGSD-621-1	ANDESITE	WHOLE ROCK	K-Ar	46.70	3.20
Challis	USGSD-627-1	TRACHYANDESITE	WHOLE ROCK	K-Ar	46.10	3.20
Challis	USGSD-507-2	TRACHYANDESITE	WHOLE ROCK	K-Ar	47.90	3.20
Challis	USGSD-395-1	RHYOLITE	WHOLE ROCK	K-Ar	50.40	3.40
Challis	USGSD-114-1	RHYODACITE	WHOLE ROCK	K-Ar	47.00	3.20
Challis	USGSD-115-2	DACITE	WHOLE ROCK	K-Ar	47.30	3.20
Challis	USGSD-612-1	RHYODACITE	WHOLE ROCK	K-Ar	27.30	2.00
Challis	L-74-14	RHYOLITE	SANIDINE	K-Ar	46.30	2.20
Challis	L-71-2	GRANITE	BIOTITE	K-Ar	38.70	2.60
Challis	L-73-9	RHYOLITE	SANIDINE	K-Ar	41.10	1.80
Challis	L-73-8	RHYOLITE	WHOLE ROCK	K-Ar	39.80	3.80
Challis	L-73-18	LATITE	HORNBLENDE	K-Ar	36.70	3.00
Challis	L-73-15	RHYOLITE	SANIDINE	K-Ar	42.40	3.00
Challis	L-72-1	RHYOLITE	SANIDINE	K-Ar	45.20	3.00
Challis	L-75-MCD	RHYOLITE	BIOTITE	K-Ar	47.10	3.20
Challis	L-74-11	RHYOLITE	SANIDINE	K-Ar	44.60	3.00
Challis	L-73-22	RHYOLITE	SANIDINE	K-Ar	45.70	3.20
Challis	L-73-11	DIORITE	HORNBLENDE	K-Ar	44.40	3.60
Challis	L-73-12	GRANITE	SANIDINE	K-Ar	46.90	3.20
Challis	L-71-1	GRANITE	BIOTITE	K-Ar	41.60	3.60
Challis	FWC-6-67	GRANITE	BIOTITE	K-Ar	47.80	3.80
Challis	L-74-6	LATITE	WHOLE ROCK	K-Ar	41.00	2.80
Challis	L-74-5	LATITE	WHOLE ROCK	K-Ar	43.40	2.80
Challis	L-74-7	TUFF	SANIDINE	K-Ar	46.30	2.20
Challis	TM-71-2	PYROCLASTIC-FALL	SANIDINE	K-Ar	46.30	2.00
Challis	L-71-4	LATITE	HORNBLENDE	K-Ar	47.30	2.60
Challis	L-73-19	DIORITE	BIOTITE	K-Ar	47.10	3.20
Challis	L-73-2	LATITE	WHOLE ROCK	K-Ar	43.30	2.80

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Challis	L-73-5	TUFF	WHOLE ROCK	K-Ar	46.40	3.00
Challis	L-73-0	TUFF	SANIDINE	K-Ar	50.80	3.40
Challis	RH-CH-901	RHYOLITE		K-Ar	46.50	3.40
Colorado	WML-4-59	LATITE	BIOTITE	K-AR	33.80	2.00
Colorado	GPT-4-25	TUFF	BIOTITE	K-AR	33.90	2.40
Colorado	WMA-1-51	ANDESITE	HORNBLENDE	K-AR	31.00	2.60
Colorado	GPT-7-150	TUFF	BIOTITE	K-AR	32.80	1.80
British Columbia	MVG-29	MONZONITE	BIOTITE	K-AR	46.00	1.60
British Columbia	PRB-C86	ANDESITE	BIOTITE	K-AR	49.90	20.00
British Columbia	Trout		K-FELDSPAR	K-AR	51.80	5.18
British Columbia	L89-23.5	SYENITE	BIOTITE	K-AR	50.30	1.80
Challis	ID-9	RHYOLITE	BIOTITE	K-AR	38.00	2.80
Challis	ID-12	RHYOLITE	BIOTITE	K-AR	37.90	3.20
Challis	ID-3	RHYOLITE	BIOTITE	K-AR	36.70	1.00
Challis	95ID-43B	DACITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	47.10	2.80
Challis	95ID-43A	TRACHYANDESITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	46.10	2.90
Challis	BB9509	LATITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	45.50	0.80
Challis	BB9525a	LATITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.30	1.20
Challis	BB9521b	LATITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	51.00	1.60
Challis	SF9518b	DACITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.80	0.80
Challis	SF9517	RHYODACITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	53.40	1.00
Challis	SH02A	DACITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	53.60	1.00
Challis	SH01	ANDESITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.40	1.00
Challis	EF9505	GRANODIORITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	52.50	0.96
Challis	EF9301	BASALTIC-ANDESITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	51.80	1.60
Challis	EF9513	RHYODACITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	53.60	1.00
Challis	HS6	NOT-GIVEN	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	41.93	0.27
Challis	FCV101	DACITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.37	0.42
Challis	JDB428	PYROCLASTIC-FALL	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.03	0.48
Challis	JDB462	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.80	0.42
Challis	JDB422	RHYOLITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.36	0.40
Challis	JDB401		SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.87	0.42
Challis	83VPCC-12	SYENITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.22	0.15
Challis	83VPCC-1	SYENITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.06	0.17
Challis	83VP-65	SYENITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.10	0.19
Challis	83VP-75	SYENITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.03	0.11
Challis	202338	SYENITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.10	0.12
Challis	82VP-2	TRACHYTE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	50.61	0.14
Challis	46	GRANODIORITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.40	0.90

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Challis	36	GRANODIORITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	47.70	0.60
Challis	28	GABBRO	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	51.10	2.40
Challis	25	GRANODIORITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	46.90	0.70
Challis	21	GRANODIORITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.40	0.80
Challis	10	MONZODIORITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.70	2.20
Challis	IN8	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.68	0.26
Challis	1054	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.55	0.12
Challis	2085	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	48.46	0.10
Challis	2117	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.03	0.12
Challis	91IN2	ANDESITE	HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	51.53	0.14
Challis	1077	ANDESITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	49.96	0.17
Cascades						
Cascades		dacitic tuff	oligoclase	$^{40}\text{Ar}/^{39}\text{Ar}$	38.90	0.10
Cascades		basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	40.40	0.30
Cascades	79TF0004	pyroxene andeiste	whole-rock	K-Ar	1.80	0.08
Cascades	79SWC0010A	hornbelnde pyroxene andesite	whole-rock	K-Ar	2.74	0.06
Cascades	79EF0016A	hornbelnde pyroxene andesite	whole-rock	K-Ar	8.18	0.12
Cascades	79ZM0078	augite andesite	whole-rock	K-Ar	0.71	0.09
Cascades	79SGV1111A	hypersthene andesite	whole-rock	K-Ar	1.27	0.12
Cascades	79SGV1085	hypersthene andesite dike	whole-rock	K-Ar	0.46	0.05
Cascades	79ZZL1085	olivine andesite	whole-rock	K-Ar	2.45	0.08
Cascades	79ZM0086	augite andesite	whole-rock	K-Ar	2.38	0.15
Cascades	79ZZL1089	olivine andesite	whole-rock	K-Ar	6.15	0.46
Cascades	81MH14	augite andesite	whole-rock	K-Ar	10.53	0.16
Cascades	80MH21	hypersthene andesite	whole-rock	K-Ar	11.24	0.17
Cascades	79LP1108	hornblende andesite	whole-rock	K-Ar	6.26	0.21
Cascades	79LP1109	olivine andesite	whole-rock	K-Ar	1.38	0.19
Cascades	82MH1	andesite	whole-rock	K-Ar	5.44	0.38
Cascades	82MH2	olivine andesite	whole-rock	K-Ar	1.12	0.06
Cascades	82MH12	olivine andesite	whole-rock	K-Ar	0.15	0.04
Cascades	81MH10	olivine andesite	whole-rock	K-Ar	0.60	0.07
Cascades	79ZZ1048	augite andesite	whole-rock	K-Ar	0.49	0.08
Cascades	81MH29	augite andesite	whole-rock	K-Ar	0.38	0.05
Cascades	79LH1058A	hornblende diorite	whole-rock	K-Ar	8.66	0.22
Cascades	79IC2039A	hornblende diorite	plagioclase	K-Ar	5.26	0.88
Cascades	KK0904855	basaltic andesite	whole-rock	K-Ar	28.10	2.70
Cascades	BP0816851	pyroxene basalt	whole-rock	K-Ar	26.60	2.30
Cascades	MM0903851	basaltic andesite	whole-rock	K-Ar	27.90	1.90
Cascades	MK8586	pyroxene basaltic andesite	whole-rock	K-Ar	28.50	1.80
Cascades	MK85817	pyroxene andesite	whole-rock	K-Ar	16.10	1.80

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Cascades	MK85814	two-pyroxene andesite	whole-rock	K-Ar	27.00	1.80
Cascades	MK8578	andesite	whole-rock	K-Ar	22.10	1.30
Cascades	MK98415	basaltic andesite	whole-rock	K-Ar	30.10	2.20
Cascades	TWO061985D	andesite	whole-rock	K-Ar	32.70	1.50
Cascades	CC0712852	dacite	whole-rock	K-Ar	35.50	1.60
Cascades	MK8597	clinopyroxene basaltic andesite	whole-rock	K-Ar	20.80	1.20
Cascades	BP0604851	basalt	whole-rock	K-Ar	37.30	2.20
Cascades	MK8589	andesite	whole-rock	K-Ar	33.90	1.70
Cascades	BP0814851	two-pyroxene basaltic andesite	whole-rock	K-Ar	36.30	2.20
Cascades	BP0814856	pyroxene basaltic andesite	whole-rock	K-Ar	32.90	2.60
Cascades	HS0515852	andesite	whole-rock	K-Ar	35.80	1.70
Cascades	HSRH14623	andesite	whole-rock	K-Ar	23.20	1.70
Cascades	JA84057	olivine basalt	whole-rock	K-Ar	2.88	0.05
Cascades	JA84015	olivine basaltic andesite	whole-rock	K-Ar	4.22	0.05
Cascades	JA84017	biotite rhyolite	whole-rock	K-Ar	4.06	0.05
Cascades	BP1004842	two-pyroxene andesite	plagioclase	K-Ar	34.50	0.50
Cascades	HS0612851	two-pyroxene andesite	whole-rock	K-Ar	20.70	0.30
Cascades	MK85546	two-pyroxene andesite	whole-rock	K-Ar	19.90	0.40
Cascades	MK85635	pyroxene dacite	whole-rock	K-Ar	15.70	0.20
Cascades	MK85627	pyroxene andesite	whole-rock	K-Ar	25.50	0.40
Cascades	MK85523	hornblende diorite	whole-rock	K-Ar	4.80	0.10
Cascades	MK8555	pyroxene basaltic andesite	whole-rock	K-Ar	12.90	0.30
Cascades	BP619851	clinopyroxene basaltic andesite	whole-rock	K-Ar	35.70	1.60
Cascades	BP0516851	basaltic andesite	whole-rock	K-Ar	24.40	1.20
Cascades	MM0904851	basaltic andesite	whole-rock	K-Ar	23.60	1.20
Cascades	HS0116853	pyroxene basaltic andesite	whole-rock	K-Ar	38.80	1.90
Cascades	HS0117851A	pyroxene andesite	whole-rock	K-Ar	38.30	1.90
Cascades	JA85001	olivine basalt	whole-rock	K-Ar	4.00	0.40
Cascades	WA-0581	granodiorite	whole-rock	K-Ar	19.00	0.70
Cascades	WA-11	granodiorite	whole-rock	K-Ar	19.60	0.70
Cascades	NS-11	granodiorite	hornblende	K-Ar	13.40	0.90
Cascades	BR-6	quartz diorite	whole-rock	K-Ar	13.40	1.20
Cascades	BO-7	quartz diorite	whole-rock	K-Ar	21.70	0.80
Cascades	GWW-113-83	Basaltic andesite	whole-rock	K-Ar	23.50	0.60
Cascades	GWW-104-83	andesite	whole-rock	K-Ar	12.50	0.40
Cascades	M2-17	Basalt	whole-rock	K-Ar	28.50	1.60
Cascades	M2-19	Basalt	whole-rock	K-Ar	25.30	0.60
Cascades	M2-22	Basaltic andesite	whole-rock	K-Ar	26.90	1.00
Cascades	M2-23	Andesite	whole-rock	K-Ar	20.20	0.40
Cascades	M3-31	Andesite	whole-rock	K-Ar	12.20	0.80
Cascades	M3-33	Basaltic andesite	whole-rock	K-Ar	13.80	2.80
Cascades	M3-35	Basalt	whole-rock	K-Ar	16.20	0.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	M3-36	Dacitic ash-flow tuff	glass	K-Ar	17.80	0.40
Cascades	M3-37	Basalt	whole-rock	K-Ar	22.50	0.80
Cascades	M3-38	Dacitic vitrophyre (ash-flow tuff?)	whole-rock	K-Ar	19.00	0.40
Cascades	GWW-82-22	Basalt	whole-rock	K-Ar	28.10	0.60
Cascades	GWW-81-141	Basalt	whole-rock	K-Ar	26.10	0.60
Cascades	M3-29	Basalt	whole-rock	K-Ar	7.20	0.20
Cascades	M3-26	Basaltic andesite	whole-rock	K-Ar	12.40	0.10
Cascades	M2-23	Andesite	whole-rock	K-Ar	20.20	0.80
Cascades	M2-24	Basalt	whole-rock	K-Ar	23.50	1.00
Cascades	M2-25	Basalt	whole-rock	K-Ar	24.70	2.00
Cascades	M3-25	Basaltic andesite	whole-rock	K-Ar	19.80	0.40
Cascades	M3-26	Basalt	whole-rock	K-Ar	12.40	0.20
Cascades	M3-29	Basalt	whole-rock	K-Ar	7.20	0.40
Cascades	M3-30	Rhyolitic ash-flow tuff	whole-rock	K-Ar	21.50	0.60
Cascades	P84-65	Lava flow, undescribed	whole-rock	K-Ar	22.80	0.60
Cascades	GWW-73-83	Basaltic andesite	whole-rock	K-Ar	28.50	0.80
Cascades	GWW-67-83	Basaltic andesite	whole-rock	K-Ar	14.00	0.40
Cascades	GWW-99-83	Basaltic andesite	whole-rock	K-Ar	15.80	0.60
Cascades	not given	Lava flow, undescribed	whole-rock	K-Ar	42.10	0.50
Cascades	GWW-32-83	Basalt	whole-rock	K-Ar	2.70	0.20
Cascades	GWW-32-83	Basalt	whole-rock	K-Ar	3.30	1.20
Cascades	GWW-28-83	Andesite	whole-rock	K-Ar	22.60	0.60
Cascades	GWW-42-83	Basalt	whole-rock	K-Ar	6.30	0.20
Cascades	GWW-15-83	Andesite	whole-rock	K-Ar	31.70	0.80
Cascades	GWW-24-83	Ash-flow tuff	plagioclase	K-Ar	32.10	1.80
Cascades	GWW-21-83	Basalt	whole-rock	K-Ar	22.80	0.80
Cascades	GWW-10-83	Basaltic andesite	whole-rock	K-Ar	11.90	0.60
Cascades	P84-1	Lava flow, undescribed	whole-rock	K-Ar	4.51	0.56
Cascades	P84-2	Lava flow, undescribed	whole-rock	K-Ar	19.80	0.40
Cascades	P84-3	Lava flow, undescribed	whole-rock	K-Ar	19.20	0.60
Cascades	GWW-82-45	Basalt	whole-rock	K-Ar	31.20	0.60
Cascades	GWW-82-43	Basaltic andesite	whole-rock	K-Ar	21.80	0.60
Cascades	GWW-82-41	Basalt	whole-rock	K-Ar	23.80	0.60
Cascades	P84-6	Lava flow, undescribed	whole-rock	K-Ar	23.40	0.80
Cascades	GWW-111-81	basalt	plagioclase	K-Ar	31.00	0.80
Cascades	GWW-191-81	basalt	whole-rock	K-Ar	23.40	0.60
Cascades	GWW-56-81	basalt	whole-rock	K-Ar	26.50	0.60
Cascades	GWW-175-81	basalt	whole-rock	K-Ar	14.00	0.40
Cascades	GWW-76-81	basalt	whole-rock	K-Ar	28.90	0.60
Cascades	GWW-87-81	andesite	whole-rock	K-Ar	10.40	0.20
Cascades	GWW-114-81	andesite	whole-rock	K-Ar	7.70	0.20
Cascades	GWW-16-85	Basalt	whole-rock	K-Ar	1.44	0.09

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	S5-13	Basalt	whole-rock	K-Ar	3.13	0.14
Cascades	92TB-14	Basaltic andesite	whole-rock	K-Ar	0.26	0.11
Cascades	DA9090-92	Basaltic andesite	whole-rock	K-Ar	0.51	0.08
Cascades	92TB-4	Basaltic andesite	whole-rock	K-Ar	0.59	0.05
Cascades	DS92-95	Basalt	whole-rock	K-Ar	0.83	0.05
Cascades	92TB-16	Basalt	whole-rock	K-Ar	0.92	0.06
Cascades	92TB-15	Basalt	whole-rock	K-Ar	0.75	0.12
Cascades	92TB-13	Basalt	whole-rock	K-Ar	0.97	0.14
Cascades	92TB-12	Basalt	whole-rock	K-Ar	1.26	0.39
Cascades	RMC92-4	Andesite	whole-rock	K-Ar	1.43	0.05
Cascades	92TB-8	Basaltic andesite	whole-rock	K-Ar	1.53	0.39
Cascades	CLRV-1	Basalt	whole-rock	K-Ar	1.58	0.14
Cascades	GS9001-92	Basalt	whole-rock	K-Ar	1.59	0.17
Cascades	RC92-21	Basalt	whole-rock	K-Ar	1.91	0.07
Cascades	92TB-10	Basalt	whole-rock	K-Ar	2.06	0.05
Cascades	92TB-7	Basalt	whole-rock	K-Ar	2.21	0.10
Cascades	ORCT	Basalt	whole-rock	K-Ar	2.44	0.18
Cascades	BVCK-1	Basalt	whole-rock	K-Ar	3.00	0.44
Cascades	S91-H213	Basaltic andesite	whole-rock	K-Ar	0.20	0.05
Cascades	W-91	Basaltic andesite	whole-rock	K-Ar	0.23	0.09
Cascades	DPCK-1	Andesite	whole-rock	K-Ar	0.50	0.06
Cascades	W-85	Basalt	whole-rock	K-Ar	1.24	0.69
Cascades	S91-H206	Andesite	whole-rock	K-Ar	1.34	0.24
Cascades	W-92	Basaltic andesite	whole-rock	K-Ar	1.39	0.06
Cascades	S92-H273	Andesite	whole-rock	K-Ar	1.71	0.08
Cascades	S91-H199	Basaltic andesite	whole-rock	K-Ar	1.94	0.20
Cascades	S92-H265	Basaltic andesite	whole-rock	K-Ar	2.06	0.08
Cascades	S92-H284	Basalt	whole-rock	K-Ar	2.07	0.16
Cascades	BTH-1	Basaltic andesite	whole-rock	K-Ar	2.07	0.60
Cascades	BDRC-1	Basaltic andesite	whole-rock	K-Ar	2.22	0.08
Cascades	S92-H282	Basalt	whole-rock	K-Ar	2.24	0.11
Cascades	S92-H269	Basaltic andesite	whole-rock	K-Ar	2.26	0.08
Cascades	W-115	Basaltic andesite	whole-rock	K-Ar	2.28	0.11
Cascades	S91-H47	Basalt	whole-rock	K-Ar	2.43	0.14
Cascades	S91-H210	Basalt	whole-rock	K-Ar	2.43	0.07
Cascades	S91-H197	Basalt	whole-rock	K-Ar	2.52	0.13
Cascades	S92-H261	Basalt	whole-rock	K-Ar	2.64	0.11
Cascades	FRD-10	Basalt	whole-rock	K-Ar	2.81	0.36
Cascades	VDB-1	Basaltic andesite	whole-rock	K-Ar	2.86	0.09
Cascades	S91-H211	Basalt	whole-rock	K-Ar	3.23	0.09
Cascades	S91-H215	Basalt	whole-rock	K-Ar	3.30	0.22
Cascades	S91-H208	Basalt	whole-rock	K-Ar	3.65	0.25

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	VDB-2	Basalt	whole-rock	K-Ar	4.21	0.12
Cascades	WHR-3	Basalt	whole-rock	K-Ar	4.38	0.39
Cascades	S5-32	Basaltic andesite	whole-rock	K-Ar	1.19	0.03
Cascades	S5-44	Andesite	whole-rock	K-Ar	1.37	0.04
Cascades	S5-47	Basalt	whole-rock	K-Ar	2.54	0.05
Cascades	S88-22	Basalt	whole-rock	K-Ar	2.62	0.06
Cascades	S5-26	Basaltic andesite	whole-rock	K-Ar	2.78	0.06
Cascades	S88-25	Andesite	plagioclase	K-Ar	2.86	0.06
Cascades	S88-23	Dacite	plagioclase	K-Ar	7.71	0.17
Cascades	S88-24	Dacite diamictite	plagioclase	K-Ar	7.73	0.16
Cascades	S5-28	Rhyolitic ash-flow tuff	sanidine	K-Ar	29.30	0.06
Cascades	1A		whole-rock	K-Ar	0.05	0.02
Cascades	2A		whole-rock	K-Ar	0.10	0.09
Cascades	4A		whole-rock	K-Ar	0.30	0.10
Cascades	9D		whole-rock	K-Ar	0.83	0.06
Cascades	10A		whole-rock	K-Ar	0.16	0.10
Cascades	11B		whole-rock	K-Ar	0.98	0.10
Cascades	12B		whole-rock	K-Ar	3.44	0.22
Cascades	13C		whole-rock	K-Ar	1.05	0.07
Cascades	14A		whole-rock	K-Ar	4.23	0.25
Cascades	14B		whole-rock	K-Ar	4.79	0.28
Cascades	15B		whole-rock	K-Ar	3.45	0.20
Cascades	16A		whole-rock	K-Ar	0.36	0.04
Cascades	17A		whole-rock	K-Ar	0.38	0.06
Cascades	18B		whole-rock	K-Ar	6.73	0.38
Cascades	20A		whole-rock	K-Ar	23.70	1.20
Cascades	21A		whole-rock	K-Ar	33.20	1.50
Cascades	SM-75-104	rhyolite tuff	whole-rock	K-Ar	1.25	0.48
Cascades	47-B-1	rhyolite	whole-rock	K-Ar	1.18	0.12
Cascades	56-B-1	rhyolite	whole-rock	K-Ar	0.95	0.28
Cascades	SM-75-38A	rhyolite	whole-rock	K-Ar	0.33	0.08
Cascades	SW-75-191	rhyolite	whole-rock	K-Ar	1.01	0.10
Cascades	AH-80-83	rhyolite	whole-rock	K-Ar	0.29	0.04
Cascades	79-61B	rhyolite	whole-rock	K-Ar	0.24	0.06
Cascades	SM-75-51	rhyolite	whole-rock	K-Ar	0.61	0.06
Cascades	ML-74-49B	rhyolite	whole-rock	K-Ar	0.43	0.04
Cascades	AH-80-139	rhyolite	whole-rock	K-Ar	0.33	0.04
Cascades	BR-1-70	tuff	plagioclase	K-Ar	14.90	0.80
Cascades	GWW-68-69	rhyolite	plagioclase	K-Ar	14.70	0.80
Cascades	UB-2-70K	rhyolite clast	plagioclase	K-Ar	19.50	1.20
Cascades	U-4	dacite	plagioclase	K-Ar	19.10	1.40
Cascades	505	Ash-flow tuff	whole-rock	K-Ar	14.50	1.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	506	andesite	whole-rock	K-Ar	13.50	1.60
Cascades	504	welded tuff	whole-rock	K-Ar	12.30	1.00
Cascades	SR-65-115	pegmatite	hornblende	K-Ar	30.50	2.40
Cascades	D78-SR-1	basalt	whole-rock	K-Ar	50.70	6.20
Cascades	Hornblende, A0726	andesite clast	whole-rock	K-Ar	7.00	4.00
Cascades	33, R0724	hypersthene andesite	whole-rock	K-Ar	5.90	1.60
Cascades	72, R0722	Basaltic andesite	whole-rock	K-Ar	5.60	1.40
Cascades	97, R0723	Pyroxene andesite	whole-rock	K-Ar	3.30	0.60
Cascades	Ito 512	Quartz diorite	hornblende	K-Ar	8.60	1.20
Cascades	Ito 509	Quartz diorite	hornblende	K-Ar	8.10	1.20
Cascades	M.B. 1-69	andesite	whole-rock	K-Ar	5.10	0.90
Cascades	DKA-1174	Tuff	plagioclase	K-Ar	15.90	2.00
Cascades	DKA-1175	Tuff	plagioclase	K-Ar	15.00	1.40
Cascades	3	andesite porphyry	whole-rock	K-Ar	13.33	0.77
Cascades	DMS-18	Andesite	whole-rock	K-Ar	17.70	0.40
Cascades	DMS-21	Andesite	whole-rock	K-Ar	15.70	1.00
Cascades	DMS-24	andesite	whole-rock	K-Ar	15.73	0.29
Cascades	DMS-22	Andesite	whole-rock	K-Ar	15.43	0.40
Cascades	PEH-77-7, FRL-4822	Andesite	plagioclase	K-Ar	12.25	0.55
Cascades	PEH-77-6,FRL-4821	Andesite	plagioclase	K-Ar	11.70	0.42
Cascades	MH-20/Ut-228	Dacite	whole-rock	K-Ar	12.20	3.40
Cascades	LCM/UT-240	Andesite	whole-rock	K-Ar	10.70	1.00
Cascades	MH-10/UT-227	Basaltic andesite	whole-rock	K-Ar	10.60	1.00
Cascades	LCM/AH-48	Andesite	whole-rock	K-Ar	10.50	0.80
Cascades	MH-19/AH-47	Andesite	whole-rock	K-Ar	9.50	4.80
Cascades	OMF-7A-3750/UT-224	Quartz microdiorite sill	hornblende	K-Ar	9.30	1.74
Cascades	#7774	Basalt	whole-rock	K-Ar	15.30	0.80
Cascades	#7765	Basalt	whole-rock	K-Ar	14.80	0.80
Cascades	KA2134	Basalt	plagioclase	K-Ar	14.30	5.60
Cascades	YU-E1	Basalt	whole-rock	K-Ar	16.30	0.60
Cascades	GWW-121-64	Ash-flow tuff	glass	K-Ar	3.70	0.40
Cascades	RCG-61-1-65	Ash-flow tuff	alkali feldspar	K-Ar	9.53	0.48
Cascades	RCG-102-66	basalt	whole-rock	K-Ar	6.07	0.84
Cascades	RCG-106-65	Ash-flow tuff	alkali feldspar	K-Ar	9.29	0.58
Cascades	DOGMI-Bas81-2; UT-225		whole-rock	K-Ar	30.10	2.20
Cascades	Pb-5; AH-34		Anorthoclase	K-Ar	28.30	2.00
Cascades	Pb-1; UT-216		Plagioclase	K-Ar	8.83	2.72
Cascades	Pb-2; UT-210		whole-rock	K-Ar	5.96	4.16
Cascades	DOGMI-Bas81-1; UT-226		whole-rock	K-Ar	1.53	1.54
Cascades	648-657		hornblende	K-Ar	42.90	10.80
Cascades	648-623B	rhyolite	alkali feldspar	K-Ar	25.80	0.40
Cascades	648-644C	welded tuff	alkali feldspar	K-Ar	13.80	1.60

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	Rhg	rhyolite	whole-rock	K-Ar	30.70	2.00
Cascades	RD-62-62	mafic sill	whole-rock	K-Ar	28.90	2.00
Cascades	GWW-123-64	basalt	plagioclase	K-Ar	6.70	4.00
Cascades	GWW-16-65	Ash-flow tuff	alkali feldspar	K-Ar	9.70	0.44
Cascades	FB-1-70	rhyodacite	plagioclase	K-Ar	4.00	0.80
Cascades	M073-31	rhyolite	obsidian	K-Ar	1.13	0.10
Cascades	M073-29	rhyolite	obsidian	K-Ar	0.87	0.10
Cascades	M3-53	Rhyolite	obsidian	K-Ar	0.80	0.21
Cascades	HB-7	Basaltic andesite	whole-rock	K-Ar	4.90	0.80
Cascades	S-84	Basaltic andesite	whole-rock	K-Ar	3.30	0.40
Cascades	TFJ-363	Basaltic andesite	whole-rock	K-Ar	0.90	0.10
Cascades	M4-16	Rhyolite	obsidian	K-Ar	0.60	0.20
Cascades	M4-72	Rhyodacite	hornblende	K-Ar	22.00	8.00
Cascades	M6-4	Basalt	whole-rock	K-Ar	7.61	0.16
Cascades	M0-73-28	Rhyolite	whole-rock	K-Ar	7.00	1.30
Cascades	M5-41	Rhyolitic ash-flow tuff	plagioclase	K-Ar	3.98	3.80
Cascades	M6-23	Rhyolite	plagioclase	K-Ar	2.80	0.80
Cascades	M6-47	Ash-flow tuff	plagioclase	K-Ar	2.75	0.98
Cascades	M5-18	Rhyolite	alkali feldspar	K-Ar	1.80	1.60
Cascades	M6-64	Rhyolite (check this; rhyodacite?)	plagioclase	K-Ar	0.95	0.40
Cascades	M6-31	Rhyolite		K-Ar	0.80	0.46
Cascades	M6-44	Rhyodacite	plagioclase	K-Ar	0.74	0.24
Cascades	M6-80	Obsidian	whole-rock	K-Ar	0.47	0.12
Cascades	M6-5	Rhyodacite	whole-rock	K-Ar	0.41	0.16
Cascades	M6-67	Rhyolite (check this; rhyodacite?)	feldspar	K-Ar	0.40	0.30
Cascades	N-630	Basalt	whole-rock	K-Ar	0.25	0.18
Cascades	M6-76	Obsidian	whole-rock	K-Ar	0.20	0.06
Cascades	M6-36	Rhyolite	whole-rock	K-Ar	0.12	0.02
Cascades	DMS-133	Basalt	whole-rock	K-Ar	25.40	1.02
Cascades	760SJ397	Ash-flow tuff	biotite	K-Ar	34.90	1.10
Cascades	760SJ395	Basalt	whole-rock	K-Ar	31.20	2.00
Cascades	760SJ394	Basalt	whole-rock	K-Ar	29.40	1.76
Cascades	760SJ359	Basalt (acid treated)	whole-rock	K-Ar	21.90	1.40
Cascades	790SJ034	Basalt	plagioclase	K-Ar	21.40	1.00
Cascades	E-71-67	Ash-flow tuff	Anorthoclase	K-Ar	6.00	1.00
Cascades	KA-155	ignimbrite	Anorthoclase	K-Ar	16.20	2.80
Cascades	Yu-Cottonwood, E-3-65	rhyolite ash flow tuff	Anorthoclase	K-Ar	6.59	0.20
Cascades	Yu-E-84-67	rhyolite ash flow tuff	Anorthoclase	K-Ar	6.74	0.40
Cascades	Yu-E-6-70	rhyolite ash flow tuff	Anorthoclase	K-Ar	6.59	0.40
Cascades	GWW-16-69	rhyolite	plagioclase	K-Ar	12.50	0.80
Cascades	TLR 75-3	dacite	plagioclase	K-Ar	25.70	1.00
Cascades	V-23	Obsidian	glass	K-Ar	17.30	0.72

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	3-27	micronorite	plagioclase	K-Ar	12.40	0.61
Cascades	76-1	dacite	plagioclase	K-Ar	3.10	0.60
Cascades	DX-1	basalt	whole-rock	K-Ar	41.70	12.00
Cascades	B-1	andesite	whole-rock	K-Ar	41.20	0.80
Cascades	40, R0725	Andesite	whole-rock	K-Ar	7.00	1.40
Cascades	49, R0720	Pyroxene andesite	whole-rock	K-Ar	4.20	1.20
Cascades	70, R0721	Andesite	whole-rock	K-Ar	3.10	0.40
Cascades	PH-MCB-1	Dacite	hornblende	K-Ar	6.20	2.60
Cascades	MS-270	Andesite	whole-rock	K-Ar	29.90	0.60
Cascades	DMS-144	Andesite	whole-rock	K-Ar	29.50	0.60
Cascades	DMS-147	Andesite	whole-rock	K-Ar	9.42	0.24
Cascades	MS-262, NA-137	Basalt	whole-rock	K-Ar	3.45	0.18
Cascades	MS-263, NA-1758	Basalt	whole-rock	K-Ar	3.10	0.28
Cascades	750SJ235	Basalt	whole-rock	K-Ar	30.80	4.00
Cascades	750SJ201	Basalt	whole-rock	K-Ar	30.20	1.80
Cascades	770SJ766	Ash-flow tuff	plagioclase	K-Ar	29.90	3.00
Cascades	760SJ356	Andesite	whole-rock	K-Ar	29.00	1.80
Cascades	760SJ355B	Ash-flow tuff	plagioclase	K-Ar	28.60	1.80
Cascades	750SJ202	Basalt	whole-rock	K-Ar	27.80	1.80
Cascades	750SJ206A	Andesite	plagioclase	K-Ar	27.40	2.00
Cascades	750SJ221	Basalt	whole-rock	K-Ar	26.00	0.90
Cascades	790SJ041	Basaltic andesite	whole-rock	K-Ar	25.90	0.90
Cascades	760SJ317	Ash-flow tuff	plagioclase	K-Ar	25.66	0.86
Cascades	760SJ335	Andesite	whole-rock	K-Ar	25.70	2.00
Cascades	790SJ040	Basaltic andesite	whole-rock	K-Ar	25.40	1.60
Cascades	750SJ212	Andesite	plagioclase	K-Ar	25.20	1.60
Cascades	750SJ216	Andesite	plagioclase	K-Ar	24.60	2.00
Cascades	750SJ220	Andesite	plagioclase	K-Ar	24.00	2.00
Cascades	750SJ233	Andesite	plagioclase	K-Ar	22.80	1.60
Cascades	750SJ226	Andesite	whole-rock	K-Ar	22.70	2.00
Cascades	750SJ263	Andesite	whole-rock	K-Ar	21.90	2.00
Cascades	760SJ315	Andesite	whole-rock	K-Ar	20.80	1.20
Cascades	790SJ042	Andesite	whole-rock	K-Ar	20.00	1.20
Cascades	790SJ033	Andesite	whole-rock	K-Ar	18.20	1.00
Cascades	790SJ90	Andesite	whole-rock	K-Ar	16.01	0.68
Cascades	760SJ361	Andesite	plagioclase	K-Ar	16.40	1.40
Cascades	79BearN	Andesite	whole-rock	K-Ar	7.10	0.40
Cascades	79BearF	Andesite	whole-rock	K-Ar	6.77	0.40
Cascades	80SJ155	Basalt	whole-rock	K-Ar	5.07	0.26
Cascades	760SJ324	Andesite	whole-rock	K-Ar	4.88	0.30
Cascades	800SJ158	Basalt	whole-rock	K-Ar	4.65	0.28
Cascades	80SJ170	Basaltic andesite	whole-rock	K-Ar	3.04	0.16

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	80SJ160	Basaltic andesite	whole-rock	K-Ar	3.19	0.36
Cascades	760SJ303	Basaltic andesite	whole-rock	K-Ar	2.95	0.30
Cascades	760SJ313	Basaltic andesite	whole-rock	K-Ar	1.69	0.16
Cascades	80SJ159	Basalt	whole-rock	K-Ar	1.25	0.22
Cascades	760SJ306	Andesite	whole-rock	K-Ar	0.83	0.11
Cascades	DAS-67-80	rhyolite	sanidine	K-Ar	43.80	1.10
Cascades	DAS-66-208	welded tuff	sanidine	K-Ar	37.40	2.20
Cascades	DAS-66-195	Ash-flow tuff	sanidine	K-Ar	37.10	2.00
Cascades	M-9	Basalt	whole-rock	K-Ar	16.30	6.00
Cascades	WR-248	Basaltic andesite	whole-rock	K-Ar	9.40	1.20
Cascades	MR-143	Basalt	whole-rock	K-Ar	7.50	0.20
Cascades	M-8	Basalt	whole-rock	K-Ar	5.90	2.00
Cascades	WR-328	Dacite	whole-rock	K-Ar	5.90	1.20
Cascades	WR-246	Basaltic andesite	whole-rock	K-Ar	5.40	1.40
Cascades	WR-102	Andesite	whole-rock	K-Ar	5.30	0.20
Cascades	S-74	Basaltic andesite	whole-rock	K-Ar	5.10	0.40
Cascades	M-2	Basalt	whole-rock	K-Ar	5.00	1.00
Cascades	WR-189	Basaltic andesite	whole-rock	K-Ar	4.70	0.80
Cascades	B-22	Basaltic andesite	whole-rock	K-Ar	2.90	0.40
Cascades	WR-308	Basaltic andesite	whole-rock	K-Ar	2.20	0.40
Cascades	WR-311	Basaltic andesite	whole-rock	K-Ar	2.10	0.40
Cascades	WR-11	Basalt	whole-rock	K-Ar	1.60	0.60
Cascades	TFJ-427	Basaltic andesite	whole-rock	K-Ar	0.56	0.28
Cascades	8F	basalt	whole-rock	K-Ar	22.60	16.00
Cascades	6F	Basalt	whole-rock	K-Ar	13.60	1.50
Cascades	5F	Basalt	Whole rock	K-Ar	11.00	2.40
Cascades	7F	Basalt	Whole rock	K-Ar	9.10	2.00
Cascades	1F	Basalt	Whole rock	K-Ar	7.30	3.60
Cascades	10-6-78-2	Basalt	Whole rock	K-Ar	30.80	1.00
Cascades	648-584		Potassium feldspar	K-Ar	28.60	1.00
Cascades	648-34b		Potassium feldspar	K-Ar	28.10	1.00
Cascades	PTR-71-6	Ash-flow tuff		K-Ar	27.70	0.50
Cascades	ROB-Tuff-3		Plagioclase	K-Ar	23.40	6.60
Cascades	ROB-TUF-3	Tuff	Plagioclase	K-Ar	22.70	5.40
Cascades	M3-106	Rhyolite	Plagioclase	K-Ar	5.52	1.10
Cascades	M4-112f	Rhyolite	Plagioclase	K-Ar	5.21	1.30
Cascades	M4-135	Rhyolite	Plagioclase	K-Ar	5.02	1.21
Cascades	M4-84	Rhyolite	Biotite	K-Ar	4.55	0.36
Cascades	M4-127	Rhyolite	Plagioclase	K-Ar	2.52	1.92
Cascades	MS-261; NA-34B	Basalt	Whole rock	K-Ar	3.65	0.48
Cascades	KFW-6	Andesite, tuff	Whole rock	K-Ar	2.30	0.40
Cascades	KFE-11	Basalt	Whole rock	K-Ar	1.90	1.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	760SJ340	Andesite	Whole rock	K-Ar	6.03	1.60
Cascades	750SJ270	Andesite	Whole rock	K-Ar	3.62	0.38
Cascades	750SJ275	Basalt	Whole rock	K-Ar	3.33	1.32
Cascades	750SJ283	Basaltic andesite	Whole rock	K-Ar	1.17	0.24
Cascades	750SJ273	Andesite	Whole rock	K-Ar	0.92	0.06
Cascades	M5-45	Rhyodacite	Plagioclase	K-Ar	5.50	1.00
Cascades	YU-JM-291, JM-291	adamellite	hornblende	K-Ar	34.40	3.00
Cascades	YU-JM-291, JM-291	adamellite	Biotite	K-Ar	33.50	2.00
Cascades	B-1233, Sample no.1	rhyolite	sanidine	K-Ar	8.30	1.00
Cascades	B-1234, Sample no.2	rhyolite	Biotite	K-Ar	7.80	0.80
Cascades	GWW-3-60	rhyolite	Anorthoclase	K-Ar	28.00	1.10
Cascades	GWW-4-60	rhyolite	Anorthoclase	K-Ar	25.60	1.60
Cascades	M073-33	rhyolite	obsidian	K-Ar	5.04	1.50
Cascades	M3-33	rhyolite	obsidian	K-Ar	3.69	0.20
Cascades	M073-39	rhyolite	obsidian	K-Ar	7.90	0.18
Cascades	M073-30	rhyolite	obsidian	K-Ar	7.61	0.38
Cascades	M073-36	rhyolite	Biotite	K-Ar	7.47	1.02
Cascades	M073-37	rhyolite	sanidine	K-Ar	7.38	0.66
Cascades	M4-73	rhyolite, ash flow tuff	plagioclase	K-Ar	7.36	3.16
Cascades	M073-343	rhyolite	obsidian	K-Ar	7.32	0.68
Cascades	M073-35	rhyolite	Biotite	K-Ar	7.30	1.92
Cascades	M073-41	rhyolite	obsidian	K-Ar	7.10	0.28
Cascades	M3-57	rhyolite	sanidine	K-Ar	7.02	0.46
Cascades	M4-74	rhyolite, ash flow tuff	plagioclase	K-Ar	6.95	2.26
Cascades	M3-60	rhyolite	Biotite	K-Ar	6.85	0.36
Cascades	M3-61	rhyolite	obsidian	K-Ar	6.06	0.28
Cascades	M4-130	rhyolite	Whole rock	K-Ar	5.15	0.42
Cascades	M4-431	rhyolite	Whole rock	K-Ar	4.79	0.34
Cascades	M4-30	rhyolite, ash flow tuff	Plagioclase	K-Ar	4.59	1.78
Cascades	M073-32	rhyolite	obsidian	K-Ar	4.42	0.70
Cascades	M4-48	rhyolite, ash flow tuff	obsidian	K-Ar	3.44	0.90
Cascades	M3-31	rhyolite	sanidine	K-Ar	2.36	0.66
Cascades	M4-42	rhyolite	whole-rock	K-Ar	6.35	1.30
Cascades	DP-154	andesite	hornblende	K-Ar	41.20	8.00
Cascades	DP-108	rhyolite	Plagioclase	K-Ar	14.70	4.00
Cascades	GWW-33-77	rhyolite	alkali feldspar	K-Ar	16.00	0.80
Cascades	39-78	basalt	whole-rock	K-Ar	15.10	1.60
Cascades	10-78	basaltic andesite	whole-rock	K-Ar	10.50	0.60
Cascades	7-78	basalt	whole-rock	K-Ar	8.50	2.60
Cascades	69-78	perlite	whole-rock	K-Ar	7.00	0.80
Cascades	PRP-2-70	basalt	whole-rock	K-Ar	6.90	1.80
Cascades	H-9-71A	basalt	whole-rock	K-Ar	15.68	1.66

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	H-9-75A	basalt	whole-rock	K-Ar	15.04	1.58
Cascades	H-9-71C	basalt	whole-rock	K-Ar	14.62	1.44
Cascades	H-8-84	basalt	whole-rock	K-Ar	6.85	1.18
Cascades	H-9-72	basalt	whole-rock	K-Ar	6.07	1.32
Cascades	M-5-5		Plagioclase	K-Ar	29.30	10.00
Cascades	M5-4	rhyolite	alkali feldspar	K-Ar	27.20	1.40
Cascades	M-4-53	Ash-flow tuff	Plagioclase	K-Ar	4.70	4.00
Cascades	MB-17	Basaltic andesite	whole-rock	K-Ar	6.40	0.40
Cascades	MB-130	Basalt	whole-rock	K-Ar	6.30	0.40
Cascades	MB-132	Basalt	whole-rock	K-Ar	2.60	0.40
Cascades	MB-110	Basalt	whole-rock	K-Ar	2.20	0.20
Cascades	CP-173	Gabbro	whole-rock	K-Ar	21.90	1.20
Cascades	DMS-77	Granite	whole-rock	K-Ar	16.30	0.40
Cascades	DMS-159	Andesite	whole-rock	K-Ar	15.70	0.60
Cascades	CP-168	Andesite	whole-rock	K-Ar	14.60	0.40
Cascades	MS-251	Basalt	whole-rock	K-Ar	14.00	0.40
Cascades	DMS-161	Basalt	whole-rock	K-Ar	11.40	0.80
Cascades	DMS-153	Basalt	whole-rock	K-Ar	11.10	0.60
Cascades	MS-253	Andesite	whole-rock	K-Ar	8.69	0.22
Cascades	CP-208	Basalt	whole-rock	K-Ar	5.19	0.12
Cascades	CP-205	Basalt	whole-rock	K-Ar	3.98	0.12
Cascades	U-Cougar	Dacite	whole-rock	K-Ar	16.30	3.60
Cascades	U-RI-85	Dacite ash-flow tuff	Plagioclase	K-Ar	13.90	1.60
Cascades	U-RI-112	Andesite	Plagioclase	K-Ar	11.50	1.00
Cascades	U-BF-5, RI-136	Andesite	whole-rock	K-Ar	9.31	0.88
Cascades	U-Tmw-Top	Andesite	whole-rock	K-Ar	8.93	0.68
Cascades	U-Tpb-LO	Basalt	whole-rock	K-Ar	8.39	0.72
Cascades	U-Foley	Basalt	whole-rock	K-Ar	2.05	1.04
Cascades	OM-5	Rhyodacite	whole-rock	K-Ar	21.30	2.00
Cascades	OM-49	Andesite	whole-rock	K-Ar	18.70	1.80
Cascades	OM-520	Rhyolitic ash-flow tuff	whole-rock	K-Ar	17.30	1.40
Cascades	BB-Stack; UT-199	Andesite	whole-rock	K-Ar	22.00	2.00
Cascades	T-14; UT-247	Basaltic andesite	whole-rock	K-Ar	17.00	1.80
Cascades	T-10; UT-254	Basaltic andesite	whole-rock	K-Ar	15.60	1.20
Cascades	T-FIZZ; UT-250	Basaltic andesite	whole-rock	K-Ar	14.10	1.60
Cascades	MO-ENG-B; UT-232	Andesite	whole-rock	K-Ar	10.20	2.00
Cascades	MO-ENG-B; UT-241	Andesite	whole-rock	K-Ar	9.60	3.00
Cascades	RI-28; AH-86	Basalt	whole-rock	K-Ar	8.10	4.60
Cascades	MO-160; AH-49	Basalt	whole-rock	K-Ar	7.67	1.92
Cascades	MO-159; UT-220	Basalt	whole-rock	K-Ar	6.80	2.36
Cascades	P-324; AH-85	Basalt	whole-rock	K-Ar	5.53	0.82
Cascades	MB-133; UT-222	Basalt	whole-rock	K-Ar	2.23	0.74

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	P-22; AH-73	Basaltic andesite	whole-rock	K-Ar	1.98	0.50
Cascades	P-319; UT-260		whole-rock	K-Ar	1.73	1.60
Cascades	P-Notch; UT-239	Basaltic andesite	whole-rock	K-Ar	0.98	0.68
Cascades	T-211; UT-251	Basalt	whole-rock	K-Ar	0.97	0.92
Cascades	T-208; AH-74	Basalt	whole-rock	K-Ar	0.77	0.42
Cascades	BB-Tpba; AH-64	Basaltic andesite	whole-rock	K-Ar	0.56	0.32
Cascades	78CG5	Basalt	whole-rock	K-Ar	39.70	2.80
Cascades	78CG7	Basalt	whole-rock	K-Ar	38.70	1.00
Cascades	78CG2	Basaltic andesite	whole-rock	K-Ar	37.70	1.80
Cascades	7775	Basaltic andesite	whole-rock	K-Ar	37.00	2.60
Cascades	7778	Basalt	whole-rock	K-Ar	36.20	10.00
Cascades	78CG29	Basalt	whole-rock	K-Ar	33.70	1.20
Cascades	78MAR27	Basalt	whole-rock	K-Ar	30.30	2.20
Cascades	7786	Basaltic andesite	whole-rock	K-Ar	29.70	1.60
Cascades	7790	Basaltic andesite	whole-rock	K-Ar	27.60	1.50
Cascades	Skinner F	Basalt	whole-rock	K-Ar	30.30	1.80
Cascades	Skinner F	Basalt	whole-rock	K-Ar	29.40	1.80
Cascades	3S-46 (G)	Basalt	whole-rock	K-Ar	14.20	4.00
Cascades	3S-47 (G)	Basalt	whole-rock	K-Ar	1.55	0.40
Cascades	GWW-111-81	Rhyolite ash-flow tuff	whole-rock	K-Ar	30.90	0.80
Cascades	GWW-76-81	Basaltic andesite	whole-rock	K-Ar	28.90	0.60
Cascades	GWW-56-81	Basaltic andesite	whole-rock	K-Ar	26.50	0.60
Cascades	GWW-191-81	Basaltic andesite	whole-rock	K-Ar	23.40	0.60
Cascades	GWW-175-81	Basaltic andesite	whole-rock	K-Ar	14.00	0.60
Cascades	GWW-87-81	Basaltic andesite	whole-rock	K-Ar	10.40	0.20
Cascades	GWW-114-81	Basaltic andesite	whole-rock	K-Ar	7.80	0.20
Cascades	RI-64; UT-280	Basalt	whole-rock	K-Ar	9.41	0.84
Cascades	RI-62; AH-104	Basalt	whole-rock	K-Ar	7.80	1.54
Cascades	SR59-47	pegmatite	hornblende	K-Ar	34.60	2.40
Cascades	SR59-9	pegmatite	Biotite	K-Ar	33.20	2.00
Cascades	SR59-9	pegmatite	whole-rock	K-Ar	32.40	2.00
Cascades	SR57-263, SR58-2, SR57-3	Gabbro	whole-rock	K-Ar	32.30	3.60
Cascades	SR-64-178	Basaltic andesite	Plagioclase	K-Ar	37.10	7.20
Cascades	EM-20	basaltic andesite	whole-rock	K-Ar	5.50	0.40
Cascades	EM-78	basaltic andesite	whole-rock	K-Ar	5.10	0.20
Cascades	TFJ-431	basaltic andesite	whole-rock	K-Ar	1.60	0.60
Cascades	TFJ-256	basaltic andesite	whole-rock	K-Ar	1.10	0.40
Cascades	EM-77	basaltic andesite	whole-rock	K-Ar	0.70	0.10
Cascades	TFJ-321	basaltic andesite	whole-rock	K-Ar	0.44	0.24
Cascades	6	tuff	Plagioclase	K-Ar	13.10	0.75
Cascades	5	tuff	Plagioclase	K-Ar	12.60	0.80
Cascades	DMS-58	andesite	whole-rock	K-Ar	10.90	0.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	DMS-75	basalt	whole-rock	K-Ar	5.34	0.14
Cascades	77113	Basaltic andesite	whole-rock	K-Ar	41.50	1.80
Cascades	78LB42	andesite	whole-rock	K-Ar	39.20	1.00
Cascades	78HAL17	andesite	whole-rock	K-Ar	35.20	1.60
Cascades	77121	Basaltic andesite	whole-rock	K-Ar	34.70	0.80
Cascades	77112	basalt	whole-rock	K-Ar	33.90	1.60
Cascades	77110	Basaltic andesite	whole-rock	K-Ar	32.90	0.80
Cascades	78BR12	Basaltic andesite	whole-rock	K-Ar	31.60	1.20
Cascades	78BR19	basalt	whole-rock	K-Ar	31.40	1.00
Cascades	78BR31	andesite	whole-rock	K-Ar	29.70	0.80
Cascades	78BR22	andesite	whole-rock	K-Ar	28.90	1.00
Cascades	78BR36	basalt	whole-rock	K-Ar	24.70	1.20
Cascades	77118	andesite	whole-rock	K-Ar	25.30	0.80
Cascades	77100	andesite	whole-rock	K-Ar	25.10	2.20
Cascades	7792	basalt	whole-rock	K-Ar	24.60	0.60
Cascades	7791	basalt	whole-rock	K-Ar	21.00	1.50
Cascades	7799	basalt	whole-rock	K-Ar	18.20	1.30
Cascades	77104	basalt	whole-rock	K-Ar	17.20	1.20
Cascades	No. 4	Dacite tuff	whole-rock	K-Ar	12.50	1.10
Cascades	BX-99	Andesite	whole-rock	K-Ar	24.90	0.60
Cascades	DMS-43	Tuff	whole-rock	K-Ar	20.30	0.40
Cascades	MS-256	Andesite	whole-rock	K-Ar	17.63	0.30
Cascades	DMS-8	Andesite	whole-rock	K-Ar	17.20	0.40
Cascades	DMS-5	Andesite	whole-rock	K-Ar	16.40	0.40
Cascades	DMS-7	Andesite	whole-rock	K-Ar	15.90	0.40
Cascades	DMS-11	Basalt	whole-rock	K-Ar	13.20	1.60
Cascades	DMS-49	Basalt	whole-rock	K-Ar	11.50	0.40
Cascades	BX-256	Dacite	whole-rock	K-Ar	11.30	0.80
Cascades	DMS-40	Andesite	whole-rock	K-Ar	11.20	1.60
Cascades	DMS-53	Diorite	whole-rock	K-Ar	9.94	0.36
Cascades	MS-239	Basalt	whole-rock	K-Ar	5.75	0.20
Cascades	DMS-48	Andesite	whole-rock	K-Ar	4.84	0.38
Cascades	DMS-50	Andesite	whole-rock	K-Ar	4.67	0.14
Cascades	DMS-47	Andesite	whole-rock	K-Ar	3.70	0.10
Cascades	MS-258	Basalt	whole-rock	K-Ar	2.87	0.36
Cascades	DMS-53	Andesite	whole-rock	K-Ar	1.58	0.65
Cascades	DMS-41	Andesite	whole-rock	K-Ar	1.30	0.95
Cascades	MS-237	Basalt	whole-rock	K-Ar	0.46	0.42
Cascades	MS-238	Basalt	whole-rock	K-Ar	0.27	0.04
Cascades	DMS-33	Andesite	whole-rock	K-Ar	0.26	0.06
Cascades	PEH-77-8, FRL #4823		Plagioclase	K-Ar	24.22	1.30
Cascades	PEH-77-9, FRL #4824	Andesite	whole-rock	K-Ar	14.98	0.27

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	PEH-77-10, FRL #4825		Plagioclase	K-Ar	12.83	0.28
Cascades	PH-40A	Tephra	Plagioclase	K-Ar	10.60	2.40
Cascades	PH-1D	Tephra	Plagioclase	K-Ar	4.30	0.60
Cascades	PB-1	Quartz diorite	whole-rock	K-Ar	11.00	0.80
Cascades	DC-4; UT-277	Basaltic andesite	whole-rock	K-Ar	9.50	1.60
Cascades	DC-114; UT-278	Basaltic andesite	whole-rock	K-Ar	6.30	0.44
Cascades	DC-14; AH-101	Basaltic andesite	whole-rock	K-Ar	6.00	1.80
Cascades	18-1 (i)	Basalt	whole-rock	K-Ar	16.80	0.60
Cascades	8-9-1 (i)	Basalt	whole-rock	K-Ar	15.80	0.60
Cascades	2-2-2 (i)	Basalt	whole-rock	K-Ar	15.80	0.60
Cascades	14-1 (i)	Basalt	whole-rock	K-Ar	15.00	0.60
Cascades	108-WB	Andesite	whole-rock	K-Ar	48.73	10.40
Cascades	107-WB	Tuff	whole-rock	K-Ar	42.16	5.60
Cascades	103-WB	Andesite	whole-rock	K-Ar	8.20	1.60
Cascades	101-WB	Basaltic andesite		K-Ar	7.80	1.60
Cascades	105-WB	Basalt	whole-rock	K-Ar	7.40	1.40
Cascades	110-WB	Andesite tuff	feldspar	K-Ar	5.90	1.20
Cascades	109-WB	Andesite	whole-rock	K-Ar	5.30	1.00
Cascades	106-WB	Tuff	feldspar	K-Ar	5.00	1.00
Cascades	648-552	--	k-feldspar	K-Ar	27.00	0.60
Cascades	KFO-17028	basalt	whole-rock	K-Ar	46.10	0.14
Cascades	KFO-1112	andesite	whole-rock	K-Ar	44.00	1.20
Cascades	M-859	diabase	whole-rock	K-Ar	34.30	1.80
Cascades	KFO-901	andesite	whole-rock	K-Ar	33.70	6.20
Cascades	EMT-11	diabase	whole-rock	K-Ar	29.30	0.80
Cascades	E-16-77	andesite	hornblende	K-Ar	48.90	10.20
Cascades	648-695		hornblende	K-Ar	47.00	19.00
Cascades	PTR-71-11	ignimbrite	Plagioclase	K-Ar	26.94	0.46
Cascades	648-456	air-fall tuff	k-feldspar	K-Ar	26.80	0.80
Cascades	24	Basalt	whole-rock	K-Ar	18.85	1.02
Cascades	JD-B-1	Basaltic andesite	whole-rock	K-Ar	17.38	2.74
Cascades	SR-B-1	Basaltic andesite	whole-rock	K-Ar	17.54	1.96
Cascades	SR-T-5	Rhyolitic tuff	whole-rock	K-Ar	15.39	0.58
Cascades	SR-G-1	Vitrophyre	whole-rock	K-Ar	10.05	0.90
Cascades	SR-RH-4	Rhyolite	whole-rock	K-Ar	17.76	0.88
Cascades	1025	Andesite	whole-rock	K-Ar	5.50	1.40
Cascades	1059	Basaltic andesite	whole-rock	K-Ar	2.60	0.40
Cascades	1058	Basaltic andesite	whole-rock	K-Ar	4.30	1.60
Cascades	1065	Basaltic andesite	whole-rock	K-Ar	4.10	1.40
Cascades	KT-80-57	dacite	whole-rock	K-Ar	3.20	0.32
Cascades	82-18	rhyolite	whole-rock	K-Ar	0.48	0.12
Cascades	82-19	dacite	whole-rock	K-Ar	0.10	0.02

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	82-Anhy	rhyolite	whole-rock	K-Ar	0.05	0.02
Cascades	BAD-5	olivine basalt	whole-rock	K-Ar	3.20	0.20
Cascades	BAD-1	mafic andesite	whole-rock	K-Ar	2.90	0.40
Cascades	BAD-3	olivine basalt	whole-rock	K-Ar	3.30	0.40
Cascades	TAD-3	diktytaxitic basalt	whole-rock	K-Ar	4.30	1.40
Cascades	TAD-5	olivine mafic andesite	whole-rock	K-Ar	7.40	0.60
Cascades	TAD-1	porphyritic andesite	whole-rock	K-Ar	6.40	0.80
Cascades	TAD-4	porphyritic andesite	whole-rock	K-Ar	6.90	1.20
Cascades	TAD-2	mafic andesite	whole-rock	K-Ar	2.10	0.60
Cascades	BAD-4	mafic andesite	whole-rock	K-Ar	2.80	1.00
Cascades	BAD-2	olivine basalt	whole-rock	K-Ar	4.10	0.40
Cascades	GAD-8	diktytaxitic basalt	whole-rock	K-Ar	3.00	1.00
Cascades	GAD-7	rhyolite	whole-rock	K-Ar	3.80	0.60
Cascades	YAD-2	olivine mafic andesite	whole-rock	K-Ar	0.17	0.14
Cascades	YAD-1	andesite	whole-rock	K-Ar	3.10	0.20
Cascades	YAD-3	mafic andesite	whole-rock	K-Ar	2.50	0.40
Cascades	YAD-5	mafic andesite	whole-rock	K-Ar	4.60	0.40
Cascades	GAD-2	mafic andesite	whole-rock	K-Ar	2.30	0.20
Cascades	GAD-4	mafic andesite	whole-rock	K-Ar	1.80	1.00
Cascades	GAD-9	mafic andesite	whole-rock	K-Ar	3.40	0.40
Cascades	GAD-3	mafic andesite dike	whole-rock	K-Ar	3.90	0.40
Cascades	GAD-5	dacite	whole-rock	K-Ar	11.40	0.60
Cascades	GAD-1	diktytaxitic basalt	whole-rock	K-Ar	1.30	0.60
Cascades	RAD-2	mafic andesite	whole-rock	K-Ar	10.40	0.80
Cascades	RAD-1	glomeroporphritic basalt	whole-rock	K-Ar	4.90	1.00
Cascades	GAD-10	andesite	whole-rock	K-Ar	10.90	0.80
Cascades	RAD-5	andesite	whole-rock	K-Ar	10.00	0.80
Cascades	GAD-11	andesite	whole-rock	K-Ar	11.80	1.20
Cascades	GAD-6	olivine augite basalt	whole-rock	K-Ar	10.10	1.20
Cascades	RAD-3	basalt	whole-rock	K-Ar	16.30	1.20
Cascades	92-81	andesite	whole-rock	K-Ar	0.57	0.10
Cascades	92-82	basaltic andesite	whole-rock	K-Ar	1.13	0.02
Cascades	92-83	andesite	whole-rock	K-Ar	1.36	0.04
Cascades	92-27	basaltic andesite	whole-rock	K-Ar	0.47	0.04
Cascades	92-47	andesite	whole-rock	K-Ar	0.77	0.04
Cascades	92-48	basaltic andesite	whole-rock	K-Ar	0.86	0.02
Cascades	91-69	basaltic andesite	whole-rock	K-Ar	3.42	0.06
Cascades	91-68	basaltic andesite	whole-rock	K-Ar	3.38	0.06
Cascades	91-76	basalt	whole-rock	K-Ar	2.77	0.05
Cascades	91-39	basalt	whole-rock	K-Ar	2.92	0.07
Cascades	91-63	basalt	whole-rock	K-Ar	2.96	0.06
Cascades	91-43	basaltic andesite	whole-rock	K-Ar	5.82	0.17

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	91-44	basalt	whole-rock	K-Ar	4.60	0.34
Cascades	91-46	basaltic andesite	whole-rock	K-Ar	5.08	0.13
Cascades	91-84	andesite	whole-rock	K-Ar	5.77	0.09
Cascades	91-85	basalt	whole-rock	K-Ar	2.78	0.10
Cascades	94-16	basalt	whole-rock	K-Ar	1.97	0.08
Cascades	94-20	basaltic andesite	whole-rock	K-Ar	3.16	0.12
Cascades	94-21A	basalt	whole-rock	K-Ar	2.96	0.11
Cascades	AL94-51	basalt	whole-rock	K-Ar	2.63	0.32
Cascades	RSP-131	basalt	whole-rock	K-Ar	6.14	0.15
Cascades	84-16	basalt	whole-rock	K-Ar	0.40	0.30
Cascades	95-16	basalt	whole-rock	K-Ar	1.14	0.19
Cascades	95-20	basalt	whole-rock	K-Ar	6.60	0.19
Cascades	95-21	basalt	whole-rock	K-Ar	4.10	0.10
Cascades	95-22	basalt	whole-rock	K-Ar	4.98	0.18
Cascades	95-25	basaltic andesite	whole-rock	K-Ar	4.39	0.24
Cascades	95-28	basalt	whole-rock	K-Ar	3.69	0.11
Cascades	95-48	basalt	whole-rock	K-Ar	1.91	0.34
Cascades	95-50	basalt	whole-rock	K-Ar	2.40	0.10
Cascades	95-59	basalt	whole-rock	K-Ar	4.07	0.22
Cascades	95-61	basalt	whole-rock	K-Ar	2.54	0.11
Cascades	95-70	basalt	whole-rock	K-Ar	7.60	6.60
Cascades	95-71	basaltic andesite	whole-rock	K-Ar	3.83	0.32
Cascades	95-74	basalt	whole-rock	K-Ar	6.15	0.17
Cascades	96-10	basalt	whole-rock	K-Ar	5.90	0.20
Cascades	AG95-87	basalt	whole-rock	K-Ar	4.37	0.39
Cascades	SR-64	basalt	whole-rock	K-Ar	2.40	0.50
Cascades	SR-106	basalt	whole-rock	K-Ar	5.95	0.16
Cascades	97-51	basaltic andesite	whole-rock	K-Ar	3.70	0.10
Cascades	MH95-33	basalt	whole-rock	K-Ar	1.14	0.30
Cascades	96-20	andesite	whole-rock	K-Ar	0.57	0.05
Cascades	96-22	andesite	whole-rock	K-Ar	0.60	0.05
Cascades	95-3	basaltic andesite	whole-rock	K-Ar	2.96	0.24
Cascades	95-4	basaltic andesite	whole-rock	K-Ar	2.51	0.07
Cascades	MH95-39	basaltic andesite	whole-rock	K-Ar	2.88	0.17
Cascades	BS92-77	basalt	whole-rock	K-Ar	1.12	0.05
Cascades	CG-100	basalt	whole-rock	K-Ar	1.32	0.06
Cascades	92-75	basaltic andesite	whole-rock	K-Ar	1.02	0.09
Cascades	86-62	andesite	whole-rock	K-Ar	0.21	0.18
Cascades	92-73	basalt	whole-rock	K-Ar	1.16	0.05
Cascades	92-77	basalt	whole-rock	K-Ar	1.22	0.04
Cascades	MG91-63	basalt	whole-rock	K-Ar	2.78	0.09
Cascades	MG91-22	basalt	whole-rock	K-Ar	2.19	0.14

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	MG91-56	basaltic andesite	whole-rock	K-Ar	1.58	0.03
Cascades	92-86	basalt	whole-rock	K-Ar	1.42	0.05
Cascades	84-52	basalt	whole-rock	K-Ar	1.48	0.04
Cascades	92-85	basalt	whole-rock	K-Ar	1.14	0.10
Cascades	91-3	basalt	whole-rock	K-Ar	0.82	0.08
Cascades	91-79	andesite	whole-rock	K-Ar	3.25	0.05
Cascades	92-53	basaltic andesite	whole-rock	K-Ar	1.79	0.04
Cascades	RB92-21	dacite	whole-rock	K-Ar	2.47	0.04
Cascades	92-43	andesite	whole-rock	K-Ar	0.63	0.05
Cascades	92-44	andesite	whole-rock	K-Ar	0.92	0.02
Cascades	92-62	andesite	whole-rock	K-Ar	0.80	0.03
Cascades	92-63	andesite	whole-rock	K-Ar	0.71	0.06
Cascades	92-84	basaltic andesite	whole-rock	K-Ar	0.90	0.05
Cascades	94-5	andesite	whole-rock	K-Ar	2.45	0.08
Cascades	92-87	basaltic andesite	whole-rock	K-Ar	0.68	0.09
Cascades	DH94-50	basaltic andesite	whole-rock	K-Ar	1.08	0.05
Cascades	DH94-106	andesite	whole-rock	K-Ar	2.68	0.11
Cascades	JP92-2	andesite	whole-rock	K-Ar	1.55	0.04
Cascades	94AH-96	andesite	whole-rock	K-Ar	3.32	0.27
Cascades	BS94-53	basalt	whole-rock	K-Ar	2.39	0.31
Cascades	94-14	basalt	whole-rock	K-Ar	2.22	0.12
Cascades	96-28	andesite	whole-rock	K-Ar	0.89	0.07
Cascades	84-62	basalt	whole-rock	K-Ar	3.14	0.07
Cascades	84-50	basaltic andesite	whole-rock	K-Ar	2.42	0.15
Cascades	84-48	basaltic andesite	whole-rock	K-Ar	0.08	0.03
Cascades	84-21	basaltic andesite	whole-rock	K-Ar	5.97	0.36
Cascades	91-89	andesite	whole-rock	K-Ar	5.62	0.09
Cascades	M91-85	andesite	whole-rock	K-Ar	6.43	0.10
Cascades	HC-44	basaltic andesite	whole-rock	K-Ar	3.97	0.08
Cascades	HC-49	andesite	whole-rock	K-Ar	1.67	0.03
Cascades	HC-67	basaltic andesite	whole-rock	K-Ar	3.56	0.06
Cascades	91-49	basaltic andesite	whole-rock	K-Ar	0.05	0.03
Cascades	91-52	basaltic andesite	whole-rock	K-Ar	0.08	0.03
Cascades	14-K-1	basaltic andesite	whole-rock	K-Ar	3.43	0.06
Cascades	92-66	basalt	whole-rock	K-Ar	1.76	0.08
Cascades	95-29	basaltic andesite	whole-rock	K-Ar	6.24	0.17
Cascades	95-30	basalt	whole-rock	K-Ar	2.57	0.24
Cascades	95-33	basalt	whole-rock	K-Ar	2.26	0.26
Cascades	95-75	basalt	whole-rock	K-Ar	2.27	0.24
Cascades	95-77	basaltic andesite	whole-rock	K-Ar	3.44	0.12
Cascades	95-26	basalt	whole-rock	K-Ar	7.41	0.19
Cascades	96-1	basalt	whole-rock	K-Ar	5.97	0.23

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	96-2	basalt	whole-rock	K-Ar	3.23	0.25
Cascades	96-3	basalt	whole-rock	K-Ar	5.55	0.18
Cascades	96-5	basalt	whole-rock	K-Ar	5.80	0.20
Cascades	96-6	basalt	whole-rock	K-Ar	13.50	0.40
Cascades	96-7	andesite	whole-rock	K-Ar	14.50	0.50
Cascades	96-8	basalt	whole-rock	K-Ar	13.20	0.30
Cascades	96-9	basalt	whole-rock	K-Ar	2.60	0.40
Cascades	97-22	basalt	whole-rock	K-Ar	2.40	0.20
Cascades	97-35	basalt	whole-rock	K-Ar	3.26	0.16
Cascades	97-37	dacite	whole-rock	K-Ar	21.60	0.50
Cascades	97-46	basalt	whole-rock	K-Ar	3.20	0.20
Cascades	97-47	basalt	whole-rock	K-Ar	1.90	0.30
Cascades	97-54	dacite	whole-rock	K-Ar	13.50	0.50
Cascades	97-55	rhyolite	whole-rock	K-Ar	17.60	0.70
Cascades	CW6-5	basalt	whole-rock	K-Ar	2.10	0.30
Cascades	CW6-9	andesite	whole-rock	K-Ar	15.00	0.40
Cascades	CW9-13B	basalt	whole-rock	K-Ar	3.66	0.24
Cascades	S97-21	andesite	whole-rock	K-Ar	14.60	0.90
Cascades	S97-62	basaltic andesite	whole-rock	K-Ar	5.50	0.20
Cascades	S97-87	basalt	whole-rock	K-Ar	3.79	0.10
Cascades	97-54Z	andesite	whole-rock	K-Ar	17.10	0.80
Cascades	JM97-27D	basalt	whole-rock	K-Ar	5.83	0.15
Cascades	95-34	basaltic andesite	whole-rock	K-Ar	2.48	0.50
Cascades	97-2	basalt	whole-rock	K-Ar	2.20	0.30
Cascades	97-16	basalt	whole-rock	K-Ar	6.50	0.20
Cascades	97-41	basalt	whole-rock	K-Ar	1.80	0.20
Cascades	86-85	basalt	whole-rock	K-Ar	3.64	0.38
Cascades	92-74	basaltic andesite	whole-rock	K-Ar	1.13	0.09
Cascades	92-89	basalt	whole-rock	K-Ar	1.20	0.04
Cascades	92-80	andesite	whole-rock	K-Ar	0.45	0.04
Cascades	AG92-75	basaltic andesite	whole-rock	K-Ar	1.47	0.04
Cascades	86-59	andesite	whole-rock	K-Ar	0.54	0.05
Cascades	92-91	andesite	whole-rock	K-Ar	0.54	0.05
Cascades	96-11	basalt	whole-rock	K-Ar	1.23	0.08
Cascades	96-13	basalt	whole-rock	K-Ar	1.32	0.08
Cascades	96-17	basaltic andesite	whole-rock	K-Ar	1.64	0.40
Cascades	91-61	andesite	whole-rock	K-Ar	19.60	0.30
Cascades	92-21	trachybasalt	whole-rock	K-Ar	6.13	0.10
Cascades	92-24	basaltic andesite	whole-rock	K-Ar	20.50	0.30
Cascades	JB91-56	trachybasalt	whole-rock	K-Ar	5.35	0.09
Cascades	92-26	basalt	whole-rock	K-Ar	20.20	0.30
Cascades	92-41	basaltic andesite	whole-rock	K-Ar	19.50	0.30

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	94-40	basalt	whole-rock	K-Ar	5.43	0.18
Cascades	RSP-94	basaltic andesite	whole-rock	K-Ar	5.73	0.15
Cascades	94-42	basaltic andesite	whole-rock	K-Ar	5.54	0.15
Cascades	86-47	basaltic andesite	whole-rock	K-Ar	1.42	0.09
Cascades	86-48	andesite	whole-rock	K-Ar	4.43	0.15
Cascades	95-68	basalt	whole-rock	K-Ar	1.19	0.11
Cascades	95-69	basalt	whole-rock	K-Ar	2.00	0.30
Cascades	95-46	basaltic andesite	whole-rock	K-Ar	2.76	0.16
Cascades	91-21	basalt	whole-rock	K-Ar	1.88	0.22
Cascades	94-36	basaltic andesite	whole-rock	K-Ar	2.78	0.10
Cascades	91-15	basalt	whole-rock	K-Ar	2.32	0.11
Cascades	97-28	basalt	whole-rock	K-Ar	3.70	0.30
Cascades	94-4	basaltic andesite	whole-rock	K-Ar	2.81	0.14
Cascades	84-26	basaltic andesite	whole-rock	K-Ar	6.01	0.30
Cascades	91-60	basalt	whole-rock	K-Ar	6.06	0.10
Cascades	JB91-41	basalt	whole-rock	K-Ar	6.11	0.21
Cascades	91-89	basaltic andesite	whole-rock	K-Ar	5.62	0.09
Cascades	KWW33-91	basaltic andesite	whole-rock	K-Ar	6.48	0.10
Cascades	KWW25-91	basaltic andesite	whole-rock	K-Ar	0.66	0.02
Cascades	86-88	basalt	whole-rock	K-Ar	4.11	0.45
Cascades	86-92	andesite	whole-rock	K-Ar	8.59	0.59
Cascades	97-66	andesite	whole-rock	K-Ar	20.40	0.50
Cascades	B'3	basaltic andesite	whole-rock	K-Ar	15.00	0.40
Cascades	B'317	basaltic andesite	whole-rock	K-Ar	4.35	0.39
Cascades	B'3	basalt	whole-rock	K-Ar	14.50	0.40
Cascades	Anders-1	dacite	whole-rock	K-Ar	21.00	0.50
Cascades	K97-78	basalt	whole-rock	K-Ar	12.50	0.50
Cascades	97-68	basaltic andesite	whole-rock	K-Ar	3.70	0.10
Cascades	A24	basalt	whole-rock	K-Ar	19.25	0.51
Cascades	A73	dacite	whole-rock	K-Ar	21.17	0.54
Cascades	K97-43	basalt	whole-rock	K-Ar	13.19	0.80
Cascades	L-24	basaltic andesite	whole-rock	K-Ar	4.94	0.19
Cascades	97-53	andesite	whole-rock	K-Ar	19.60	0.60
Cascades	L-42	andesite	whole-rock	K-Ar	7.90	0.40
Cascades	K97-24	basalt	whole-rock	K-Ar	13.30	0.40
Cascades	JM97-16	andesitic tuff	whole-rock	K-Ar	17.60	0.60
Cascades	K97-23	basalt	whole-rock	K-Ar	10.70	0.30
Cascades	Alt 20	basalt	whole-rock	K-Ar	5.30	1.40
Cascades	DG 1	basalt	whole-rock	K-Ar	5.60	1.20
Cascades	Alt 4	basalt	whole-rock	K-Ar	5.90	1.40
Cascades	Alt 6	basalt	whole-rock	K-Ar	6.60	2.40
Cascades	Alt 12	basalt	whole-rock	K-Ar	6.70	5.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	PRM-2-70	basalt	whole-rock	K-Ar	6.80	1.40
Cascades	Alt 11	basalt	whole-rock	K-Ar	7.10	5.00
Cascades	7-78	basalt	whole-rock	K-Ar	8.50	2.60
Cascades	Alt 10	basalt	whole-rock	K-Ar	8.50	2.60
Cascades	Alt 9	basalt	whole-rock	K-Ar	9.50	4.00
Cascades	Alt 26	basalt	whole-rock	K-Ar	2.90	5.00
Cascades	Alt 21	andesite	whole-rock	K-Ar	5.70	1.20
Cascades	Alt 22	andesite	whole-rock	K-Ar	8.20	0.40
Cascades	Alt 13	andesite	whole-rock	K-Ar	8.70	0.80
Cascades	10-78	andesite	whole-rock	K-Ar	10.50	0.40
Cascades	Alt 15	andesite	whole-rock	K-Ar	5.40	1.80
Cascades	M-3-106	rhyolite	whole-rock	K-Ar	5.50	1.00
Cascades	M-3-35	rhyolite	whole-rock	K-Ar	7.30	1.80
Cascades	M-3-34	rhyolite	whole-rock	K-Ar	7.30	0.60
Cascades	S-5	rhyolite	whole-rock	K-Ar	10.20	0.60
Cascades	M-3-37	rhyolite	whole-rock	K-Ar	7.40	0.60
Cascades	M-3-36	rhyolite	whole-rock	K-Ar	7.50	1.00
Cascades	M-3-40	rhyolite	whole-rock	K-Ar	7.60	0.40
Cascades	M-3-39	rhyolite	whole-rock	K-Ar	7.90	0.20
Cascades	KFE-11	rhyolite	whole-rock	K-Ar	1.90	1.80
Cascades	39-78	rhyolite	whole-rock	K-Ar	15.10	1.60
Cascades	KFW-6	andesite	whole-rock	K-Ar	2.30	0.80
Cascades	CT-22	Basaltic andesite	whole-rock	K-Ar	1.97	0.27
Cascades	CT-41	Andesite	whole-rock	K-Ar	4.04	0.17
Cascades	CT-62	Basaltic andesite	whole-rock	K-Ar	1.59	0.21
Cascades	CT-64	Dacite	whole-rock	K-Ar	9.83	0.46
Cascades	S5-1	Basalt	whole-rock	K-Ar	2.79	0.08
Cascades	S5-6	Basalt	whole-rock	K-Ar	3.00	0.90
Cascades	S5-3	Basalt	whole-rock	K-Ar	3.43	0.19
Cascades	S5-4	Pumiceous	plagioclase	K-Ar	3.57	0.11
Cascades	S5-8	Basalt	whole-rock	K-Ar	3.63	0.14
Cascades	S5-2	Basalt	whole-rock	K-Ar	3.68	0.11
Cascades	S5-12	Basalt	plagioclase	K-Ar	4.60	0.50
Cascades	S5-5	Basalt	plagioclase	K-Ar	4.80	0.70
Cascades	S5-7	Basalt	plagioclase	K-Ar	5.76	0.17
Cascades	S5-9	Basalt	whole-rock	K-Ar	6.17	0.19
Cascades	S5-10	Basalt	plagioclase	K-Ar	6.70	0.90
Cascades	ST-16	Basaltic andesite	whole-rock	K-Ar	0.46	0.12
Cascades	MT-12	Basalt	plagioclase	K-Ar	3.95	0.24
Cascades	HC-302	Basalt	plagioclase	K-Ar	1.71	0.36
Cascades	ST-27	Basalt	plagioclase	K-Ar	0.88	0.66
Cascades	ET-104	Basalt	plagioclase	K-Ar	2.35	0.28

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	BR-15	Basaltic andesite	whole-rock	K-Ar	3.64	0.44
Cascades	HC-180	Basaltic andesite	plagioclase	K-Ar	4.96	0.74
Cascades	ST-263	Basaltic andesite	whole-rock	K-Ar	5.14	0.16
Cascades	BR-45	Basalt	whole-rock	K-Ar	6.36	0.18
Cascades	ST-68	Basaltic andesite	whole-rock	K-Ar	9.18	0.26
Cascades	ET-43	Basaltic andesite	whole-rock	K-Ar	6.17	0.16
Cascades	Ri-22	Andesite	whole-rock	K-Ar	13.20	1.40
Cascades	BR-37	Basalt	plagioclase	K-Ar	6.18	0.32
Cascades	BR-203	Basalt	whole-rock	K-Ar	4.43	1.34
Cascades	BR-63	Basalt	whole-rock	K-Ar	11.80	1.00
Cascades	BR-129	Andesitic ash-flow tuff	plagioclase	K-Ar	1.59	0.94
Cascades	SJ-668	Basaltic andesite	whole-rock	K-Ar	1.81	0.12
Cascades	B-582, EM-438	Basalt	whole-rock	K-Ar	1.89	0.20
Cascades	B-469	Basaltic andesite	whole-rock	K-Ar	5.76	0.60
Cascades	B-383	Basaltic andesite	whole-rock	K-Ar	6.27	0.32
Cascades	B-281	Basaltic andesite	whole-rock	K-Ar	6.28	0.30
Cascades	B-282	Basaltic andesite	whole-rock	K-Ar	7.21	0.34
Cascades	NS-212	Andesite	whole-rock	K-Ar	0.29	0.03
Cascades	NS-217		whole-rock	K-Ar	0.68	0.07
Cascades	NS-446		plagioclase	K-Ar	2.70	0.20
Cascades	NS-225		whole-rock	K-Ar	3.10	0.10
Cascades	NS-308		plagioclase	K-Ar	6.35	0.30
Cascades	NS-449		plagioclase	K-Ar	6.42	0.66
Cascades	BHS-20	Basaltic andesite	plagioclase	K-Ar	0.86	0.06
Cascades	BHS-21	Andesite	plagioclase	K-Ar	1.47	0.06
Cascades	BHS-22	Andesite	whole-rock	K-Ar	5.97	0.13
Cascades	BHS-23	Basaltic andesite	plagioclase	K-Ar	0.65	0.05
Cascades	BHS-24	Andesite	whole-rock	K-Ar	2.31	0.05
Cascades	CTGH-1956	Basaltic andesite	plagioclase	K-Ar	2.91	0.08
Cascades	CTGH-3152	Basaltic andesite	plagioclase	K-Ar	4.95	0.23
Cascades	CTGH-3195	Basaltic andesite	plagioclase	K-Ar	5.15	0.25
Cascades	CTGH-4633	Basaltic andesite	plagioclase	K-Ar	4.64	0.12
Cascades	CTGH-4740	Basaltic andesite	plagioclase	K-Ar	4.65	0.12
Cascades		Leucogabbro		K-Ar	50.40	0.60
Cascades		Leucogabbro		K-Ar	49.20	0.80
Cascades		Leucogabbro		$^{40}\text{Ar}/^{39}\text{Ar}$	50.30	1.50
Cascades	KA 2160	BASALT	PLAGIOCLASE	K-Ar	14.78	4.80
Cascades	KA 2120	RHYOLITE	PLAGIOCLASE	K-Ar	16.53	1.20
Cascades	KA 2104	RHYOLITE	PLAGIOCLASE	K-Ar	15.70	1.00
Cascades	KA 2147R	BASALT	WHOLE ROCK	K-Ar	17.45	2.40
Cascades	KA 2213	ANDESITE	PLAGIOCLASE	K-Ar	15.81	2.60

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	KA 2175	DACITE	PLAGIOCLASE	K-Ar	22.89	1.40
Cascades	KA 2170	ANDESITE	PLAGIOCLASE	K-Ar	15.40	2.00
Cascades	KA 2167	RHYOLITE	PLAGIOCLASE	K-Ar	13.55	0.80
Cascades	KA 2162	BASALT	PLAGIOCLASE	K-Ar	25.25	5.80
Cascades	KA 2159	BASALT	PLAGIOCLASE	K-Ar	20.22	2.40
Cascades	KA 2150R	ANDESITE	PLAGIOCLASE	K-Ar	16.63	4.80
Cascades	KA 2149R	RHYOLITE	PLAGIOCLASE	K-Ar	15.70	1.00
Cascades	KA 2145	BASALT	PLAGIOCLASE	K-Ar	14.48	2.00
Cascades	KA 2143	ANDESITE	PLAGIOCLASE	K-Ar	16.11	1.80
Cascades	KA 2141R	RHYOLITE	PLAGIOCLASE	K-Ar	16.94	2.40
Cascades	KA 2133	ANDESITE	PLAGIOCLASE	K-Ar	14.06	3.20
Cascades	KA 2129	BASALT	PLAGIOCLASE	K-Ar	24.94	2.60
Cascades	KA 2127	BASALT	PLAGIOCLASE	K-Ar	16.53	2.60
Cascades	KA 2125	BASALT	PLAGIOCLASE	K-Ar	14.78	1.60
Cascades	KA 2119	RHYOLITE	PLAGIOCLASE	K-Ar	17.24	1.00
Cascades	KA 2117	ANDESITE	PLAGIOCLASE	K-Ar	16.53	1.60
Cascades	KA 2116	BASALT	PLAGIOCLASE	K-Ar	14.58	1.20
Cascades	KA 2115	DACITE	PLAGIOCLASE	K-Ar	22.48	1.40
Cascades	KA 2114	DACITE	PLAGIOCLASE	K-Ar	22.07	1.20
Cascades	KA 2110	RHYOLITE	PLAGIOCLASE	K-Ar	16.94	1.60
Cascades	KA 2109	RHYOLITE	PLAGIOCLASE	K-Ar	15.81	1.00
Cascades	KA 2108	RHYOLITE	PLAGIOCLASE	K-Ar	16.73	1.00
Cascades	KA 2107	RHYOLITE	PLAGIOCLASE	K-Ar	15.70	1.80
Cascades	KA 1232R	BASALT	PLAGIOCLASE	K-Ar	23.71	1.40
Cascades	KA 2217	RHYOLITE		K-Ar	10.37	1.40
Cascades	KA 2166	DACITE	BIOTITE	K-Ar	22.38	1.40
Cascades	5	DIORITE		K-Ar	23.20	2.00
Cascades	NBM-8-21-4A	ANDESITE		K-AR	26.00	1.60
Cascades	STM-10-24-2B	ANDESITE		K-AR	7.80	7.40
Cascades	TM-10-8-4A	ANDESITE		K-AR	24.00	1.60
Cascades	R-212	APLITE		K-AR	30.30	0.20
Cascades	RWT269-87	GRANODIORITE		K-AR	32.00	4.00
Cascades	82-074	GRANODIORITE		K-AR	8.70	0.60
Cascades	82-148	TONALITE		K-AR	18.00	3.60
Cascades	88-061	GRANODIORITE		K-AR	2.60	0.60
Cascades	RWT500-66	MONZONITE		K-AR	10.50	1.80
Cascades	8M88A	ANDESITE		K-AR	9.30	0.60
Cascades	8E199A	PYROCLASTIC-FALL	PLAGIOCLASE	K-AR	24.00	1.20
Cascades	8E168A	ANDESITE		K-AR	8.70	0.60
Cascades	8E49A	BASALTIC-ANDESITE	PLAGIOCLASE	K-AR	25.10	0.80
Cascades	8R128	BASALTIC-ANDESITE		K-AR	8.60	0.60
Cascades	8R46	BASALTIC-ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	22.90	7.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	OL28	BASALT	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	25.00	2.80
Cascades	7N144	BASALTIC-ANDESITE	PLAGIOCLASE	K-AR	28.60	1.60
Cascades	2E+106	BASALT	PLAGIOCLASE	K-AR	23.20	1.40
Cascades	1R48A	BASALTIC-ANDESITE	PLAGIOCLASE	K-AR	27.70	7.40
Cascades	BB-92-28	RHYOLITE		$^{40}\text{Ar}/^{39}\text{Ar}$	7.75	0.12
Cascades	HH-91-38g	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	15.54	0.06
Cascades	JR-92-72	RHYOLITE		$^{40}\text{Ar}/^{39}\text{Ar}$	5.70	0.04
Cascades	JR-92-59	BASALT		$^{40}\text{Ar}/^{39}\text{Ar}$	6.87	0.04
Cascades	MDH7-684/687	GRANODIORITE	SERICITE	K-AR	19.90	1.00
Cascades	S78-C5-E123A		HORNBLENDE	K-AR	19.90	1.40
Cascades	S78-D5-E168A	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	24.30	0.60
Cascades	S77-C3-J49		ALUNITE	K-AR	23.20	0.80
Cascades	S77-D3-R12	ANDESITE	PLAGIOCLASE	K-AR	22.60	1.40
Cascades	S82-D1-E106		PLAGIOCLASE	K-AR	23.30	1.20
Cascades	S78-C1-R36	TUFF	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	22.90	1.00
Cascades	S80-A4-R06	DIORITE	BIOTITE	K-AR	20.80	1.20
Cascades	S81-A5-R48A	BASALTIC-ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	36.10	2.00
Cascades	BP0516851	BASALT	WHOLE ROCK	K-AR	25.20	1.20
Cascades	S78-B2-R46	BASALTIC-ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	22.90	7.20
Cascades	S79-A2-E156	TUFF	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	29.60	1.00
Cascades	S78-A1-E209A	ANDESITE	HORNBLENDE	K-AR	27.10	0.40
Cascades	MDH6-408/410	DIORITE	BIOTITE	K-AR	17.30	1.00
Cascades	83FB-V06		PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	22.80	0.40
Cascades	S78-D5-M88A	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	12.90	0.60
Cascades	S78-D5-E199A		PLAGIOCLASE	K-AR	24.00	1.20
Cascades	S81-D1-E19	ANDESITE	PLAGIOCLASE	K-AR	23.30	1.60
Cascades	S77-C2-N144	BASALTIC-ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	23.70	1.20
Cascades	S79-BR-I05B		HORNBLENDE	$^{40}\text{Ar}/^{39}\text{Ar}$	9.70	0.20
Cascades	S80-A4-R08	GRANODIORITE	BIOTITE	K-AR	22.20	1.40
Cascades	S79-A4-R128	GRANODIORITE	BIOTITE	K-AR	21.10	1.20
Cascades	S81-B5-E43	DIORITE	HORNBLENDE	K-AR	24.30	2.60
Cascades	S80-B1-L28	BASALT	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	25.00	47.20
Cascades	S78-B2-E49A	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	25.10	0.80
Cascades	S80-A3-E32	BASALTIC-ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	33.50	0.80
Cascades	S78-A2-R128	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	8.60	0.60
Cascades	AZG-604	GABBRO		K-AR	30.00	5.00
Cascades	AZG-606	ANDESITE		K-AR	40.00	5.00
Cascades	AZG-609	ANDESITE		K-AR	21.00	4.00
Cascades	AZG-603	ANDESITE		K-AR	40.50	4.50

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Cascades	93CR-F67	BASALT		$^{40}\text{Ar}/^{39}\text{Ar}$	38.80	0.40
Cascades	93CR-F10A	PYROCLASTIC-FALL	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	37.40	0.40
Cascades	MB-145	RHYODACITE	WHOLE ROCK	K-AR	1.06	0.02
Cascades	MB-356	GRANODIORITE	WHOLE ROCK	K-AR	0.76	0.33
Cascades	MB-332a	DACITE	WHOLE ROCK	K-AR	0.15	0.01
Cascades	MB-259	DACITE	WHOLE ROCK	K-AR	0.61	0.02
Cascades	MB-175b	BASALT	WHOLE ROCK	K-AR	0.09	0.04
Cascades	MB-51	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.33	0.04
Cascades	MB-522	ANDESITE	WHOLE ROCK	K-AR	0.20	0.05
Cascades	MB-572	ANDESITE	WHOLE ROCK	K-AR	0.05	0.04
Cascades	MB-276b	ANDESITE	WHOLE ROCK	K-AR	1.01	0.03
Cascades	MB-458	ANDESITE	WHOLE ROCK	K-AR	0.02	0.03
Cascades	MB-521	ANDESITE	WHOLE ROCK	K-AR	0.50	0.04
Cascades	MB-63	ANDESITE	WHOLE ROCK	K-AR	0.30	0.04
Cascades	MB-278	ANDESITE	WHOLE ROCK	K-AR	0.07	0.01
Cascades	MB-490	ANDESITE	WHOLE ROCK	K-AR	0.19	0.02
Cascades	MB-524	ANDESITE	WHOLE ROCK	K-AR	0.03	0.03
Cascades	MB-43	ANDESITE	WHOLE ROCK	K-AR	0.01	0.02
Cascades	MB-135	ANDESITE	WHOLE ROCK	K-AR	0.46	0.08
Cascades	MB-520	ANDESITE	WHOLE ROCK	K-AR	0.04	0.03
Cascades	MB-46	ANDESITE	WHOLE ROCK	K-AR	0.01	0.02
Cascades	MB-609	ANDESITE	WHOLE ROCK	K-AR	0.31	0.01
Cascades	MB-88	ANDESITE	WHOLE ROCK	K-AR	0.31	0.03
Cascades	MB-575a	ANDESITE	WHOLE ROCK	K-AR	0.33	0.02
Cascades	MB-589	ANDESITE	WHOLE ROCK	K-AR	0.32	0.02
Cascades	MB-39	ANDESITE	WHOLE ROCK	K-AR	0.09	0.10
Cascades	MB-333	GRANODIORITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	2.75	0.26
Cascades	MB-630	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.03	0.04
Cascades	MB-316	RHYODACITE	WHOLE ROCK	K-AR	1.16	0.08
Cascades	MB-275c	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.16	0.05
Cascades	MB-212	RHYODACITE	WHOLE ROCK	K-AR	1.03	0.02
Cascades	MB-227	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.15	0.02
Cascades	MB-188		PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.14	0.03
Cascades	MB-82-2	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.04	0.08
Cascades	MB-628	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	0.96	0.13
Cascades	MB-583	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.16	0.06
Cascades	MB-287	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.10	0.11
Cascades	MB-465i	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.02	0.02
Cascades	MB-618	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	0.99	0.05
Cascades	MB-626	RHYODACITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.28	0.05

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Cascades	MB-193	RHYODACITE	WHOLE ROCK	K-AR	0.20	0.01
Cascades	MB-636a	GRANODIORITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	0.67	0.07
Cascades	MB-332b	DACITE	WHOLE ROCK	K-AR	0.15	0.01
Cascades	MB-225	DACITE	WHOLE ROCK	K-AR	0.61	0.02
Cascades	MB-493	DACITE	WHOLE ROCK	K-AR	1.19	0.19
Cascades	MB-52	BASALT	WHOLE ROCK	K-AR	0.72	0.09
Cascades	MB-CR-71	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.33	0.04
Cascades	MB-523	ANDESITE	WHOLE ROCK	K-AR	0.20	0.05
Cascades	MB-10	ANDESITE	WHOLE ROCK	K-AR	0.31	0.03
Cascades	MB-93	ANDESITE	WHOLE ROCK	K-AR	0.88	0.04
Cascades	MB-294	ANDESITE	WHOLE ROCK	K-AR	0.01	0.01
Cascades	MB-67	ANDESITE	WHOLE ROCK	K-AR	0.50	0.04
Cascades	MB-65	ANDESITE	WHOLE ROCK	K-AR	0.50	0.04
Cascades	MB-279	ANDESITE	WHOLE ROCK	K-AR	0.07	0.01
Cascades	MB-12	ANDESITE	WHOLE ROCK	K-AR	0.20	0.02
Cascades	MB-645	ANDESITE	WHOLE ROCK	K-AR	0.14	0.11
Cascades	MB-489	ANDESITE	WHOLE ROCK	K-AR	0.19	0.02
Cascades	MB-507	ANDESITE	WHOLE ROCK	K-AR	0.04	0.01
Cascades	MB-99	ANDESITE	WHOLE ROCK	K-AR	0.52	0.02
Cascades	MB-91	ANDESITE	WHOLE ROCK	K-AR	0.86	0.03
Cascades	MB-640	ANDESITE	WHOLE ROCK	K-AR	0.74	0.14
Cascades	MB-615	ANDESITE	WHOLE ROCK	K-AR	0.46	0.03
Cascades	MB-61	ANDESITE	WHOLE ROCK	K-AR	0.30	0.03
Cascades	MB-81	ANDESITE	WHOLE ROCK	K-AR	0.74	0.07
Cascades	MB-632	ANDESITE	WHOLE ROCK	K-AR	0.01	0.02
Cascades	MB-222	ANDESITE	WHOLE ROCK	K-AR	0.37	0.02
Cascades	MB-22	ANDESITE	WHOLE ROCK	K-AR	0.46	0.02
Cascades	MB-92	ANDESITE	WHOLE ROCK	K-AR	0.11	0.02
Cascades	MB-336	ANDESITE	WHOLE ROCK	K-AR	0.12	0.05
Cascades	MB-301	ANDESITE	WHOLE ROCK	K-AR	0.12	0.05
Cascades	MB-262	ANDESITE	WHOLE ROCK	K-AR	0.19	0.02
Cascades	MB-500	ANDESITE	WHOLE ROCK	K-AR	1.16	0.26
Cascades	MB-586	ANDESITE	WHOLE ROCK	K-AR	0.11	0.02
Cascades	MB-610	ANDESITE	WHOLE ROCK	K-AR	0.31	0.01
Cascades	MB-575b	ANDESITE	WHOLE ROCK	K-AR	0.33	0.02
Cascades	MB-151	ANDESITE	WHOLE ROCK	K-AR	0.32	0.02
Cascades	MB-402	ANDESITE	WHOLE ROCK	K-AR	0.08	0.03
Cascades	MB-603	ANDESITE	WHOLE ROCK	K-AR	0.34	0.01
Cascades	MB-249	ANDESITE	WHOLE ROCK	K-AR	0.34	0.02
Cascades	MB-246	ANDESITE	WHOLE ROCK	K-AR	0.35	0.02
Cascades	MB-238	ANDESITE	WHOLE ROCK	K-AR	0.33	0.02
Cascades	MB-119	ANDESITE	WHOLE ROCK	K-AR	0.33	0.03

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	MB-116	ANDESITE	WHOLE ROCK	K-AR	0.37	0.02
Cascades	MB-110	ANDESITE	WHOLE ROCK	K-AR	0.29	0.03
Cascades	MB-49	ANDESITE	WHOLE ROCK	K-AR	0.34	0.03
Cascades	MB-16	ANDESITE	WHOLE ROCK	K-AR	0.31	0.03
Cascades	MB-168	ANDESITE	WHOLE ROCK	K-AR	0.08	0.01
Cascades	MB-145	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	1.01	0.17
Cascades	MB-380	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	3.81	0.08
Cascades	97LC-Q122	PYROCLASTIC-FALL	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	35.20	0.60
Cascades	99LC-Q396	PYROCLASTIC-FALL	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	35.10	0.60
Cascades	HC-113	RHYOLITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	3.72	0.68
Cascades	MB-380	IGNIMBRITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	3.81	0.08
Cascades	HC-124	MONZONITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	3.15	0.19
Cascades	HC-88	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	2.47	0.74
Cascades	HC-123	MONZONITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	2.20	2.80
Cascades	HC-65	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	2.40	4.80
Cascades	78BR22	ANDESITE		K-AR	28.90	1.80
Cascades	77118	ANDESITE		K-AR	25.30	0.60
Cascades	78HAL17	ANDESITE		K-AR	35.20	2.40
Cascades	7776	BASALTIC-ANDESITE		K-AR	15.60	1.20
Cascades	78BR12	BASALTIC-ANDESITE		K-AR	31.80	1.60
Cascades	77113	BASALTIC-ANDESITE		K-AR	41.50	1.00
Cascades	77122	BASALTIC-ANDESITE		K-AR	32.10	4.20
Cascades	77121	BASALTIC-ANDESITE		K-AR	34.70	1.40
Cascades	78CG2	BASALTIC-ANDESITE		K-AR	37.70	1.40
Cascades	77114	BASALTIC-ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	34.90	1.80
Cascades	77110	BASALTIC-ANDESITE		K-AR	32.90	0.20
Cascades	78MAR27	BASALT		K-AR	30.30	2.60
Cascades	78CG29	BASALT		K-AR	32.40	0.80
Cascades	77112	BASALT		$^{40}\text{Ar}/^{39}\text{Ar}$	33.90	1.80
Cascades	78SH39	BASALT		K-AR	17.20	2.40
Cascades	78BR36	BASALT		K-AR	25.40	0.80
Cascades	77115	BASALT		$^{40}\text{Ar}/^{39}\text{Ar}$	26.60	3.20
Cascades	7798	BASALTIC-ANDESITE		K-AR	23.40	0.80
Cascades	48	PYROCLASTIC FALL		K-AR	2.99	0.40
Cascades	34	PYROCLASTIC-FALL		K-AR	2.30	0.46
Cascades	29	PYROCLASTIC-FALL		K-AR	0.19	0.04
Cascades	17	PYROCLASTIC-FALL		K-AR	0.90	0.18
Cascades	14	TUFF		K-AR	0.68	0.04
Cascades	13	PYROCLASTIC-FALL		K-AR	0.68	0.04
Cascades	8	PYROCLASTIC-FALL	SANIDINE	K-AR	0.73	0.15

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	1	RHYOLITE	SANIDINE	K-AR	0.62	0.04
Cascades	BR-63	BASALTIC-ANDESITE		K-AR	11.80	1.00
Cascades	BR-31	DACITE		K-AR	10.82	0.32
Cascades	PHA93653	TUFF	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	43.70	0.60
Cascades	PHA94603	TUFF		$^{40}\text{Ar}/^{39}\text{Ar}$	51.20	0.50
Cascades	PHA93634	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	44.10	1.90
Cascades	PHA91613	ANDESITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	45.20	8.10
Cascades	72	ANDESITE		K-AR	0.16	0.02
Cascades	66	BASALT		K-AR	1.53	0.40
Cascades	61	BASALT		K-AR	0.85	0.04
Cascades	51	BASALT		K-AR	1.76	1.00
Cascades	37	BASALT		K-AR	0.36	0.02
Cascades	32	BASALT		K-AR	0.20	0.07
Cascades	30	BASALT		K-AR	0.98	0.24
Cascades	28	BASALT		K-AR	1.34	0.04
Cascades	17	ANDESITE		K-AR	3.30	0.50
Cascades	16	BASALT		K-AR	0.47	0.08
Cascades	14	BASALT		K-AR	0.85	0.10
Cascades	12	BASALT		K-AR	3.70	1.00
Cascades	5	BASALT		K-AR	0.35	0.12
Cascades	1	ANDESITE		K-AR	0.37	0.02
Cascades	S77-C3-J18	GRANODIORITE	WHOLE ROCK	K-AR	20.90	3.60
Cascades	S76-C3-N38	GRANODIORITE	WHOLE ROCK	K-AR	22.30	0.80
Cascades	S79-C4-E16	GRANODIORITE	WHOLE ROCK	K-AR	20.60	1.80
Cascades	8R128	ANDESITE	WHOLE ROCK	K-AR	9.00	2.00
Cascades	84CG-V29	ANDESITE	WHOLE ROCK	K-AR	15.40	1.00
Cascades	7R49	RHYOLITE	WHOLE ROCK	K-AR	25.05	17.30
Cascades	MDH7-684/687	GRANODIORITE	WHOLE ROCK	K-AR	16.90	1.00
Cascades	MDH6-408/410	GRANODIORITE	WHOLE ROCK	K-AR	17.30	1.00
Cascades	S80-A4-R08	GRANODIORITE	WHOLE ROCK	K-AR	22.20	1.40
Cascades	S80-A4-R06	GRANODIORITE	WHOLE ROCK	K-AR	20.80	1.20
Cascades	S79-A4-R128	GRANODIORITE	WHOLE ROCK	K-AR	21.10	1.20
Cascades	S78-D5-E168A	ANDESITE	WHOLE ROCK	K-AR	8.70	0.60
Cascades	S78-D5-M88A	ANDESITE	WHOLE ROCK	K-AR	9.30	0.60
Cascades	S78-A2-R128	ANDESITE	WHOLE ROCK	K-AR	8.60	0.60
Cascades	84CG-V29	ANDESITE	WHOLE ROCK	K-AR	15.40	1.00
Cascades	S78-C5-E123A	ANDESITE	WHOLE ROCK	K-AR	19.90	1.40
Cascades	S81-B5-E43	DIORITE	WHOLE ROCK	K-AR	24.30	2.60
Cascades	S77-D3-R12	ANDESITE	WHOLE ROCK	K-AR	22.65	1.50
Cascades	84SH-V82	TUFF	WHOLE ROCK	K-AR	24.90	2.00
Cascades	S78-D5-E199A	TUFF	WHOLE ROCK	K-AR	24.00	1.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	S82-D1-E106	BASALT	WHOLE ROCK	K-AR	23.60	2.40
Cascades	S81-D1-E19	ANDESITE	WHOLE ROCK	K-AR	24.80	-1.40
Cascades	S78-B2-E49A	ANDESITE	WHOLE ROCK	K-AR	24.70	7.00
Cascades	S81-A5-R48	ANDESITE	WHOLE ROCK	K-AR	27.70	7.40
Cascades	S78-A1-E209A	ANDESITE	WHOLE ROCK	K-AR	27.10	4.00
Cascades	S80-A1-S02	TUFF	WHOLE ROCK	K-AR	28.50	1.80
Cascades	S82-A3-E32	ANDESITE	WHOLE ROCK	K-AR	35.00	4.00
Cascades	Ole18	ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.03
Cascades	1913	ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.01
Cascades	1749	RHYODACITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.02	0.01
Cascades	1565	BASALTIC-ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.02
Cascades	852	ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.14	0.02
Cascades	761	ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.30	0.04
Cascades	727	RHYODACITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.02	0.01
Cascades	484	DACITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.35	0.03
Cascades	355	BASALTIC-ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.04	0.01
Cascades	143	ANDESITE	WHOLE ROCK	$^{40}\text{Ar}/^{39}\text{Ar}$	0.10	0.05
Cascades	OLe3	ANDESITE	WHOLE ROCK	K-AR	0.04	0.01
Cascades	163	ANDESITE	WHOLE ROCK	K-AR	0.04	0.01
Cascades	152	ANDESITE	WHOLE ROCK	K-AR	0.05	0.04
Cascades	1132	ANDESITE	WHOLE ROCK	K-AR	0.05	0.02
Cascades	381	DACITE	WHOLE ROCK	K-AR	0.05	0.01
Cascades	1196	ANDESITE	WHOLE ROCK	K-AR	0.08	0.01
Cascades	312	ANDESITE	WHOLE ROCK	K-AR	0.05	0.01
Cascades	1130	ANDESITE	WHOLE ROCK	K-AR	0.06	0.01
Cascades	1147	ANDESITE	WHOLE ROCK	K-AR	0.06	0.01
Cascades	433	ANDESITE	WHOLE ROCK	K-AR	0.06	0.02
Cascades	435	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.07	0.01
Cascades	205	DACITE	WHOLE ROCK	K-AR	0.05	0.02
Cascades	806	DACITE	WHOLE ROCK	K-AR	0.07	0.01
Cascades	OLe6	ANDESITE	WHOLE ROCK	K-AR	0.07	0.03
Cascades	OLe5	ANDESITE	WHOLE ROCK	K-AR	0.07	0.02
Cascades	284	ANDESITE	WHOLE ROCK	K-AR	0.07	0.01
Cascades	212-3	ANDESITE	WHOLE ROCK	K-AR	0.08	0.02
Cascades	1190	ANDESITE	WHOLE ROCK	K-AR	0.08	0.03
Cascades	1011	ANDESITE	WHOLE ROCK	K-AR	0.10	0.02
Cascades	913	DACITE	WHOLE ROCK	K-AR	0.11	0.02
Cascades	497	DACITE	WHOLE ROCK	K-AR	0.12	0.02
Cascades	141	DACITE	WHOLE ROCK	K-AR	0.12	0.01
Cascades	143	ANDESITE	WHOLE ROCK	K-AR	0.11	0.01

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	240	ANDESITE	WHOLE ROCK	K-AR	0.13	0.04
Cascades	OLe4	ANDESITE	WHOLE ROCK	K-AR	0.16	0.03
Cascades	185	ANDESITE	WHOLE ROCK	K-AR	0.11	0.04
Cascades	144	ANDESITE	WHOLE ROCK	K-AR	0.12	0.04
Cascades	210-10	ANDESITE	WHOLE ROCK	K-AR	0.14	0.03
Cascades	525	ANDESITE	WHOLE ROCK	K-AR	0.15	0.02
Cascades	210-9	ANDESITE	WHOLE ROCK	K-AR	0.15	0.02
Cascades	506	ANDESITE	WHOLE ROCK	K-AR	0.17	0.02
Cascades	1303	ANDESITE	WHOLE ROCK	K-AR	0.17	0.03
Cascades	965	DACITE	WHOLE ROCK	K-AR	0.22	0.01
Cascades	472	ANDESITE	WHOLE ROCK	K-AR	0.22	0.02
Cascades	213-3	ANDESITE	WHOLE ROCK	K-AR	0.22	0.02
Cascades	1086	ANDESITE	WHOLE ROCK	K-AR	0.21	0.03
Cascades	491	ANDESITE	WHOLE ROCK	K-AR	0.23	0.02
Cascades	314	ANDESITE	WHOLE ROCK	K-AR	0.24	0.01
Cascades	486	ANDESITE	WHOLE ROCK	K-AR	0.25	0.02
Cascades	1098	ANDESITE	WHOLE ROCK	K-AR	0.26	0.02
Cascades	1045	ANDESITE	WHOLE ROCK	K-AR	0.26	0.01
Cascades	1015	ANDESITE	WHOLE ROCK	K-AR	0.27	0.02
Cascades	59	ANDESITE	WHOLE ROCK	K-AR	0.31	0.01
Cascades	1014	ANDESITE	WHOLE ROCK	K-AR	0.46	0.04
Cascades	825	ANDESITE	WHOLE ROCK	K-AR	0.23	0.01
Cascades	831	ANDESITE	WHOLE ROCK	K-AR	0.29	0.03
Cascades	1508	DACITE	WHOLE ROCK	K-AR	0.28	0.02
Cascades	306	ANDESITE	WHOLE ROCK	K-AR	0.28	0.02
Cascades	372	ANDESITE	WHOLE ROCK	K-AR	0.23	0.02
Cascades	1790	ANDESITE	WHOLE ROCK	K-AR	0.30	0.02
Cascades	496	DACITE	WHOLE ROCK	K-AR	0.31	0.01
Cascades	835	DACITE	WHOLE ROCK	K-AR	0.34	0.01
Cascades	1346	ANDESITE	WHOLE ROCK	K-AR	0.23	0.01
Cascades	761	ANDESITE	WHOLE ROCK	K-AR	0.31	0.01
Cascades	1073	ANDESITE	WHOLE ROCK	K-AR	0.31	0.02
Cascades	767	ANDESITE	WHOLE ROCK	K-AR	0.32	0.02
Cascades	266	ANDESITE	WHOLE ROCK	K-AR	0.34	0.01
Cascades	836	ANDESITE	WHOLE ROCK	K-AR	0.34	0.02
Cascades	214-3	DACITE	WHOLE ROCK	K-AR	0.33	0.02
Cascades	484	DACITE	WHOLE ROCK	K-AR	0.33	0.01
Cascades	375	DACITE	WHOLE ROCK	K-AR	0.35	0.02
Cascades	1289	DACITE	WHOLE ROCK	K-AR	0.38	0.02
Cascades	218	ANDESITE	WHOLE ROCK	K-AR	0.35	0.04
Cascades	510	ANDESITE	WHOLE ROCK	K-AR	0.40	0.02
Cascades	OLe15	DACITE	WHOLE ROCK	K-AR	0.36	0.02

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades	745	DACITE	WHOLE ROCK	K-AR	0.51	0.02
Cascades	OLe8	DACITE	WHOLE ROCK	K-AR	0.42	0.02
Cascades	1437	RHYODACITE	WHOLE ROCK	K-AR	0.42	0.02
Cascades	OLe16	RHYODACITE	WHOLE ROCK	K-AR	0.57	0.23
Cascades	OLe20	RHYODACITE	WHOLE ROCK	K-AR	0.69	0.30
Cascades	1443	RHYODACITE	WHOLE ROCK	K-AR	0.45	0.02
Cascades	OLe10	RHYODACITE	WHOLE ROCK	K-AR	0.47	0.02
Cascades	214-1		WHOLE ROCK	K-AR	0.56	0.04
Cascades	1616	DACITE	WHOLE ROCK	K-AR	0.61	0.02
Cascades	768	RHYODACITE	WHOLE ROCK	K-AR	0.72	0.01
Cascades	1057	DACITE	WHOLE ROCK	K-AR	1.06	0.03
Cascades	758	DACITE	WHOLE ROCK	K-AR	1.28	0.03
Cascades	208-4		WHOLE ROCK	K-AR	1.85	0.94
Cascades	1539		WHOLE ROCK	K-AR	0.02	0.03
Cascades	1530		WHOLE ROCK	K-AR	0.02	0.04
Cascades	852	ANDESITE	WHOLE ROCK	K-AR	0.02	0.04
Cascades	OLe18	ANDESITE	WHOLE ROCK	K-AR	0.03	0.06
Cascades	355	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.04	0.02
Cascades	1198	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.08	0.03
Cascades	1523	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.18	0.03
Cascades	1029	ANDESITE	WHOLE ROCK	K-AR	0.10	0.02
Cascades	1295	ANDESITE	WHOLE ROCK	K-AR	0.14	0.02
Cascades	1216	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.12	0.10
Cascades	1294	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.21	0.11
Cascades	1547	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.12	0.05
Cascades	705	ANDESITE	WHOLE ROCK	K-AR	0.16	0.01
Cascades	1544	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.16	0.02
Cascades	1142	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.19	0.04
Cascades	1181	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.20	-0.17
Cascades	854	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.21	0.05
Cascades	1746	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.22	0.03
Cascades	1222	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.22	0.13
Cascades	1007	ANDESITE	WHOLE ROCK	K-AR	0.30	0.02
Cascades	1211	ANDESITE	WHOLE ROCK	K-AR	0.52	0.03
Cascades	815	ANDESITE	WHOLE ROCK	K-AR	0.59	0.04
Cascades	730	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.61	0.05
Cascades	1368	ANDESITE	WHOLE ROCK	K-AR	0.62	0.03
Cascades	1210	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	0.65	0.06
Cascades	1547	ANDESITE	WHOLE ROCK	K-AR	0.67	0.02
Cascades	1054	ANDESITE	WHOLE ROCK	K-AR	1.09	0.03
Cascades	983	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	1.38	0.04
Cascades	1177	BASALTIC-ANDESITE	WHOLE ROCK	K-AR	1.88	0.04

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Cascades						
Sierra Madre Occidental (SMO)/Mexican volcanic Belt (MVB)						
MVB	GTO-2	andesite	groundmass	K-Ar	10.60	1.00
MVB	GTO-14	andesite	whole-rock	K-Ar	10.60	0.60
MVB	GTO-20	andesite	whole-rock	K-Ar	12.40	0.60
SMO	GTO-24	dome	whole-rock	K-Ar	14.30	1.00
SMO	GTO-15	ignimbrite	sanidine	K-Ar	13.50	1.00
SMO	GTO-17	andesite	groundmass	K-Ar	30.60	0.80
SMO	GTO-74	andesite	whole-rock	K-Ar	30.70	0.60
MVB	GTO-6	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	13.80	0.60
MVB	GTO-14	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	14.80	0.80
SMO	GTO-16	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	22.20	0.80
MVB	JNO RGS-15	alkaline basalt	whole-rock	K-Ar	0.88	0.60
MVB	PED JAL-5/79	alkaline basalt	whole-rock	K-Ar	0.98	0.58
MVB	PED JAL-4/74	alkaline basalt	whole-rock	K-Ar	1.10	0.70
MVB	PED JAL-6/79	alkaline basalt	whole-rock	K-Ar	1.34	0.40
MVB	PED JAL-20/80	calcalkaline basalt	whole-rock	K-Ar	2.50	0.12
MVB	PED JAL-23	calcalkaline basalt	whole-rock	K-Ar	3.72	0.12
MVB	JNO CM-4	basalt	whole-rock	K-Ar	3.77	0.20
MVB	PED JAL-24	calcalkaline basalt	whole-rock	K-Ar	3.97	0.18
MVB	PED JAL-21/80	hornblende tuff	whole-rock	K-Ar	4.69	0.34
MVB	PED JAL-7/79	ignimbrite	whole-rock	K-Ar	5.53	0.24
SMO	PED JAL-17/80	calcalkaline basalt	whole-rock	K-Ar	8.52	0.36
SMO	JNO RGS-12	rhyolitic ignimbrite	whole-rock	K-Ar	13.60	0.20
SMO	PED JAL-22/80	acid tuff	whole-rock	K-Ar	16.90	1.00
SMO	JNO RGS-10	qtz-feldspar porphyry dike	whole-rock	K-Ar	19.50	1.00
SMO	JNO CM-6	rhyolitic ignimbrite	whole-rock	K-Ar	20.20	1.00
SMO	PED JAL-19/80	calcic latite	whole-rock	K-Ar	22.54	0.94
SMO	JNO CM-3	andesite	whole-rock	K-Ar	24.70	1.20
SMO	JNO RGS-11	biotite granodiorite	whole-rock	K-Ar	26.60	1.20
SMO	JNO CM-2	microdiorite dike	whole-rock	K-Ar	26.70	1.20
SMO	N 63	felsic lava	whole-rock	K-Ar	29.40	1.00
SMO	SJ 42	San Juanito caldera rim tuff	whole-rock	K-Ar	29.90	1.40
SMO	M CR1B	Divisadero tuff	whole-rock	K-Ar	29.80	1.00
SMO		Copper Canyon tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	29.62	0.32
SMO		Copper Canyon tuff	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	28.84	0.58
SMO	Sol 5	Tilzapota ignimbrite	biotite	K-Ar	35.10	2.00
SMO	Sol 9	Tilzapota ignimbrite	biotite	K-Ar	34.10	2.20
SMO	Tz25-98	Tilzapota ignimbrite	biotite	K-Ar	34.70	2.00
SMO	Tz145-01	Tilzapota ignimbrite	biotite	K-Ar	34.30	3.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	SOL 2	Tilzapota ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	34.26	0.20
SMO	Tz187-01	Rodarte ignimbrite	plagioclase	K-Ar	32.60	5.00
SMO	Tz4-99	Hypabyssal and El Salto lava flows	sanidine	K-Ar	35.50	2.00
SMO	Tz17-99	Hypabyssal and El Salto lava flows	plagioclase	K-Ar	34.40	2.80
SMO	Tz18-99	Hypabyssal and El Salto lava flows	plagioclase	K-Ar	32.80	3.20
SMO	Tz63-02	Hypabyssal and El Salto lava flows	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	32.75	0.20
SMO	RF-1	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	9.21	1.84
SMO	JIQ-15	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	8.39	1.84
SMO	JRE-227	ash-flow tuff	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	31.60	0.60
SMO	CO	ignimbrite	feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	23.50	1.80
SMO	MMD-3	andesite	whole-rock	K-Ar	29.30	3.00
SMO	ROE142	basalt	whole-rock	K-Ar	8.80	1.60
SMO	ZA05		sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	29.90	0.60
SMO	ZA06		sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	29.30	1.20
SMO	ZA01		sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.10	0.60
SMO	ZA07		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	10.50	0.60
SMO	ZA08		whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	9.60	0.40
MVB	ETZ-30	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.50	0.02
MVB	Guad1	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.30	0.04
MVB	ETZ-22	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.40	0.08
MVB	ETZ-23A	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.51	0.02
MVB	ETZ-13	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.58	0.02
MVB	IXT-52	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.87	0.40
MVB	AME-3	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.99	0.10
MVB	IXT-46	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.01	0.04
MVB	IXT-67	rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	4.72	0.08
MVB	IXT-50	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.72	0.04
MVB	SAN-4	rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	4.75	0.02
MVB	XAL-15	rhyolite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	4.95	0.04
SMO	HO3-3	rhyolite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	19.00	0.60
SMO	HOS-4	rhyolite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	20.40	0.20
SMO	COMP-25	rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	25.40	0.40
SMO	ETZ-15	rhyolite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	27.60	0.20
SMO	COMP-38	rhyolite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	54.60	1.20
MVB	HOS-7	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.84	0.02
MVB	XAL-33	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	2.25	0.04
MVB	ETZ-21C	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	2.91	0.06
MVB	ETZ-29	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	3.30	0.02

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
MVB	IXT-49	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.32	0.02
MVB	COMP-1	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.57	0.02
MVB	XAL-32	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.97	0.04
SMO	ETZ-25	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	20.27	0.12
MVB	COMP-39		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.82	0.05
MVB	COMP-22		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.63	0.18
MVB	IXT-38		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.64	0.07
MVB	COMP-2		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.57	0.02
MVB	COMP-11		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.54	0.08
MVB	IXT-44		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.48	0.03
MVB	COMP-45		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.51	0.07
MVB	COMP-24		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.37	0.26
MVB	COMP-28		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.51	0.13
MVB	IXT-5		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.43	0.06
MVB	COMP-3		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.24	0.01
MVB	COMP-12		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.27	0.08
MVB	COMP-5		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.33	0.30
MVB	COMP-20		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.08
MVB	COMP-7		biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	0.14	0.08
MVB	IXT-66		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.17	0.07
MVB	IXT-6		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.13
MVB	IXT-43		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.12	0.09
MVB	IXT-26		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.03	0.02
MVB	COMP-21		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.02
MVB	IXT-45		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.18	0.19
MVB	IXT-15		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.02
MVB	IXT-14		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.17	0.46
MVB	IXT-41		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.05	0.02
MVB	COMP-6		groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.04	0.02
MVB	TEQ 29	rhyolite	hornblende	$^{40}\text{Ar}/^{39}\text{Ar}$	1.12	0.30
MVB	TEQ 31	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.69	0.05
MVB	TEQ 38	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.68	0.06
MVB	TEQ 10	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.67	0.03
MVB	TEQ 18	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.64	0.01
MVB	TEQ 35	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.63	0.02
MVB	ETZ 4	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.64	0.01
MVB	TEQ 21a	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.62	0.01

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
MVB	ETZ 11	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.62	0.02
MVB	TEQ 45b	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.60	0.01
MVB	TEQ 12	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.59	0.04
MVB	TAL 12	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.45	0.06
MVB	TEQ 37	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.43	0.04
MVB	TEQ 22	rhyolite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.42	0.01
MVB	TAL 9	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.40	0.03
MVB	TEQ 66	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.38	0.01
MVB	TAL 8	dacite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.37	0.02
MVB	TAL 13	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.37	0.04
MVB	TEQ 33	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.36	0.03
MVB	TAL 25	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.35	0.03
MVB	ETZ 3	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.34	0.07
MVB	TEQ 36	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.26	0.02
MVB	TAL 11	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.22	0.04
MVB	TEQ 6	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.22	0.02
MVB	JH009	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.20	0.02
MVB	TEQ 23c	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.20	0.04
MVB	TEQ 15	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.20	0.02
MVB	TEQ 40	basaltic andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.03
MVB	TEQ 17	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.19	0.03
MVB	TEQ 60	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.18	0.02
MVB	TEQ 25	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.16	0.04
MVB	ETZ 11	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.14	0.02
MVB	TEQ 48	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.11	0.05
MVB	TEQ 46	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.07	0.05
MVB	TAL 1	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.02
MVB	PW123	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.09	0.02
MVB	PW391	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.07	0.04
MVB	PW143	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	0.06	0.02
SMO	3-21-3		whole-rock	K-Ar	18.40	0.80
SMO	3-21-2		biotite	K-Ar	24.00	0.80
SMO	3-21-2		plagioclase	K-Ar	22.40	1.00
SMO	3-20-4		plagioclase	K-Ar	23.30	2.20
SMO	12-13-3		plagioclase	K-Ar	25.50	2.80
SMO	11-16-2		whole-rock	K-Ar	24.10	1.00
SMO	11-15-1		biotite	K-Ar	34.10	1.00
SMO	11-15-1		k-feldspar	K-Ar	33.30	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	11-16-4		biotite	K-Ar	33.00	1.00
SMO	11-16-4		k-feldspar	K-Ar	32.30	1.40
SMO	11-14-1		plagioclase	K-Ar	32.00	1.90
SMO	C-2		whole-rock	K-Ar	29.50	1.20
SMO	C-2		plagioclase	K-Ar	33.20	7.20
SMO	C-1		plagioclase	K-Ar	29.30	1.40
SMO	C-1		biotite	K-Ar	30.20	1.00
SMO	3-25-4		biotite	K-Ar	29.00	1.00
SMO	10-20-1		biotite	K-Ar	33.90	1.00
SMO	10-20-1		plagioclase	K-Ar	29.00	2.80
SMO	BV5		biotite	K-Ar	30.30	1.00
SMO	3-25-3		plagioclase	K-Ar	31.80	4.00
SMO	3-23-1		plagioclase	K-Ar	26.30	1.80
SMO	O59		plagioclase	K-Ar	28.00	1.40
SMO	C-4		plagioclase	K-Ar	30.20	3.40
SMO	C-4		biotite	K-Ar	31.40	1.00
SMO	C-6		plagioclase	K-Ar	30.80	1.80
SMO	C-6		amphibole	K-Ar	28.80	1.20
SMO	C-6		biotite	K-Ar	31.80	1.00
SMO	J22B		plagioclase	K-Ar	37.60	13.60
SMO	J22A		plagioclase	K-Ar	32.20	3.60
SMO	C-21		plagioclase	K-Ar	34.70	1.60
SMO	J18		plagioclase	K-Ar	39.70	3.40
SMO	J23		plagioclase	K-Ar	27.40	1.20
SMO	C-20		plagioclase	K-Ar	28.80	1.40
SMO	P18A		k-feldspar	K-Ar	30.20	1.20
SMO	C-19		plagioclase	K-Ar	34.40	1.60
SMO	O18		k-feldspar	K-Ar	30.50	1.40
SMO	S-27		k-feldspar	K-Ar	35.80	1.60
SMO	S-14		k-feldspar	K-Ar	29.20	1.20
SMO	S-17		biotite	K-Ar	33.90	1.00
SMO	S-17		plagioclase	K-Ar	36.80	2.60
SMO	N-09		k-feldspar	K-Ar	28.80	1.20
SMO	S-22		biotite	K-Ar	38.20	1.20
SMO	M11		whole-rock	K-Ar	30.40	5.60
SMO	S-7		k-feldspar	K-Ar	29.30	1.20
SMO	S-7		biotite	K-Ar	29.00	1.80
SMO	S-19		biotite	K-Ar	38.50	1.20
SMO	S-19		plagioclase	K-Ar	37.30	7.20
SMO	S-9		biotite	K-Ar	36.40	1.20
SMO	S-9		plagioclase	K-Ar	35.60	1.60
SMO	S-3		biotite	K-Ar	36.80	1.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	S-3		plagioclase	K-Ar	35.60	3.00
SMO	S-8		biotite	K-Ar	32.40	1.00
SMO	S-8		k-feldspar	K-Ar	34.40	1.40
SMO	S-4		k-feldspar	K-Ar	31.00	1.40
SMO	S-5		biotite	K-Ar	35.80	1.20
SMO	S-5		plagioclase	K-Ar	32.50	4.00
SMO	S-6		biotite	K-Ar	35.70	1.20
SMO	S-31		k-feldspar	K-Ar	31.70	1.40
SMO	S-32		plagioclase	K-Ar	30.60	1.40
SMO	S-32		biotite	K-Ar	31.80	1.00
SMO	S-23		plagioclase	K-Ar	31.40	1.40
SMO	S-28		plagioclase	K-Ar	31.80	2.40
SMO	C-18		plagioclase	K-Ar	30.00	1.40
SMO	C-12		plagioclase	K-Ar	31.70	1.40
SMO	C-7		k-feldspar	K-Ar	33.10	1.40
SMO	C-7		biotite	K-Ar	34.00	1.00
SMO	S-25		biotite	K-Ar	34.10	1.00
SMO	S-25		plagioclase	K-Ar	33.30	3.00
SMO	S-24		k-feldspar	K-Ar	33.30	1.40
SMO	D66B		plagioclase	K-Ar	29.80	6.80
SMO	D66A		plagioclase	K-Ar	33.10	1.60
SMO	D48B		plagioclase	K-Ar	31.20	1.40
SMO	D69C		plagioclase	K-Ar	31.60	1.40
SMO	D48A		plagioclase	K-Ar	34.30	1.60
SMO	D48AR		plagioclase	K-Ar	31.30	1.40
SMO	D70B		plagioclase	K-Ar	32.70	1.60
SMO	D89B		k-feldspar	K-Ar	28.40	1.20
SMO	D89A		whole-rock	K-Ar	25.20	1.00
SMO	D70D		whole-rock	K-Ar	28.40	1.20
SMO	D73H		plagioclase	K-Ar	30.50	1.60
SMO	D85A		plagioclase	K-Ar	36.80	35.60
SMO	D76B		k-feldspar	K-Ar	27.80	1.20
SMO	D76A		whole-rock	K-Ar	26.10	1.00
SMO	D78B		k-feldspar	K-Ar	27.50	1.20
SMO	D75A		plagioclase	K-Ar	32.00	3.60
SMO	D75B		plagioclase	K-Ar	28.40	1.40
SMO	J-140		k-feldspar	K-Ar	27.40	1.20
SMO	D53D		whole-rock	K-Ar	27.10	1.00
SMO	J-212		k-feldspar	K-Ar	32.60	1.40
SMO	J-639		plagioclase	K-Ar	30.60	1.60
SMO	D62A		plagioclase	K-Ar	32.40	1.80
SMO	D62B		plagioclase	K-Ar	31.50	1.80

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	J-375		plagioclase	K-Ar	36.60	2.20
SMO	W-300		plagioclase	K-Ar	35.30	4.40
SMO	W-204		plagioclase	K-Ar	26.00	9.20
SMO	W-173		biotite	K-Ar	37.20	1.20
SMO	WD-8		plagioclase	K-Ar	30.00	1.40
SMO	W-200		k-feldspar	K-Ar	29.70	1.20
SMO	WF-1		k-feldspar	K-Ar	31.00	2.40
SMO	I-521		k-feldspar	K-Ar	31.40	1.40
SMO	I-532		plagioclase	K-Ar	30.40	3.80
SMO	I-470		k-feldspar	K-Ar	35.10	1.60
SMO	DZ31		k-feldspar	K-Ar	29.70	2.40
SMO	I-494		biotite	K-Ar	33.70	1.00
SMO	I-494		plagioclase	K-Ar	35.50	8.00
SMO	I-478		k-feldspar	K-Ar	31.50	2.00
SMO	I-164		k-feldspar	K-Ar	31.70	1.40
SMO	HF-1		plagioclase	K-Ar	32.80	3.80
SMO	VG-7B		k-feldspar	K-Ar	33.00	2.00
SMO	CM634		k-feldspar	K-Ar	31.70	2.40
SMO	CM449		whole-rock	K-Ar	29.80	1.20
SMO	PLM		plagioclase	K-Ar	31.30	6.00
SMO	PC-1		whole-rock	K-Ar	31.80	1.20
SMO	Ni 30		plagioclase	K-Ar	30.90	1.40
SMO	BTVbl		plagioclase	K-Ar	41.60	2.00
SMO	PER		plagioclase	K-Ar	42.30	4.80
SMO	J-ER		k-feldspar	K-Ar	33.50	1.60
SMO	CG-BL		k-feldspar	K-Ar	37.20	2.20
SMO	CH88-16		hornblende	K-Ar	59.30	2.40
SMO	RED		biotite	K-Ar	40.60	1.20
SMO	RED		k-feldspar	K-Ar	39.70	1.80
SMO	RP		k-feldspar	K-Ar	33.10	1.40
SMO	SC11-9		k-feldspar	K-Ar	33.30	3.60
SMO	SC11-10		k-feldspar	K-Ar	33.30	1.40
SMO	EC1		k-feldspar	K-Ar	34.80	2.20
SMO	ECD		whole-rock	K-Ar	30.50	1.20
SMO	RND1		k-feldspar	K-Ar	34.50	1.40
SMO	TTV		biotite	K-Ar	34.40	1.00
SMO	TTV		k-feldspar	K-Ar	34.90	2.80
SMO	TTD		k-feldspar	K-Ar	34.60	3.80
SMO	4EN1		k-feldspar	K-Ar	33.00	1.40
SMO	4MPB		whole-rock	K-Ar	32.90	1.40
SMO	CLLD		plagioclase	K-Ar	31.50	1.40
SMO	OWLD		k-feldspar	K-Ar	33.80	2.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	XYZB		whole-rock	K-Ar	31.20	1.20
SMO	11-15-1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.33	0.07
SMO	3-25'4		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	28.09	0.31
SMO	10-20-1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.42	0.06
SMO	P18A		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	28.89	0.08
SMO	S-27		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.41	0.04
SMO	S-14		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	28.74	0.07
SMO	N-09		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	28.73	0.05
SMO	S-22		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	39.23	0.11
SMO	S-4		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	32.01	0.13
SMO	S-4		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	32.55	0.10
SMO	S-6		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.06	0.08
SMO	S-31		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	31.91	0.09
SMO	S-32		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	31.38	0.05
SMO	C-12		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.22	0.18
SMO	C-7		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.33	0.05
SMO	D89B		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	29.76	0.05
SMO	D76B		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	29.87	0.08
SMO	D78B		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	29.78	0.05
SMO	J-140		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	29.86	0.08
SMO	J-212		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.09	0.07
SMO	J-212		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.09	0.16
SMO	J-375		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	36.04	0.24
SMO	WD-8		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	32.42	0.09
SMO	W-200		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	32.79	0.09
SMO	WF-1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	32.70	0.12
SMO	I-521		anorthoclase	$^{40}\text{Ar}/^{39}\text{Ar}$	33.19	0.14
SMO	I-470		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	34.70	0.20
SMO	DZ-31		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	29.91	0.17
SMO	I-478		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.92	0.09
SMO	I-164		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.14	0.10
SMO	VG-7B		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.43	0.09
SMO	CM634		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.59	0.22
SMO	J-ER		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.19	0.10
SMO	CG-BL		anorthoclase	$^{40}\text{Ar}/^{39}\text{Ar}$	37.71	0.12
SMO	RED		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	40.85	0.13
SMO	RP		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	34.05	0.09

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	SC11-9		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.29	0.10
SMO	SC11-10		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.59	0.19
SMO	EC1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	35.15	0.09
SMO	RND1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	34.87	0.09
SMO	TTV		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	34.26	0.12
SMO	4EN1		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.10	0.08
SMO	CLLD		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.71	0.08
SMO	OWLD		k-feldspar	$^{40}\text{Ar}/^{39}\text{Ar}$	33.74	0.07
SMO	SGD 9	ash-flow tuff	k-feldspar	K-Ar	29.20	1.20
SMO	SGD 12	Milagro basalt	whole-rock	K-Ar	29.40	1.20
SMO	SGD 11	rhyolite	k-feldspar	K-Ar	36.00	1.60
SMO	SGD 8	rhyolite	k-feldspar	K-Ar	36.00	1.60
SMO	SGC 1	rhyolite tuff	k-feldspar	K-Ar	35.70	3.00
SMO	SGD 3	rhyolite tuff	k-feldspar	K-Ar	36.20	1.60
SMO	SGD 5	rhyolite dome	k-feldspar	K-Ar	36.60	1.60
SMO	SGD 2	rhyolite	k-feldspar	K-Ar	37.90	1.60
SMO	SGD 16	tuff	k-feldspar	K-Ar	39.10	1.60
SMO	SGD 17	tuff	k-feldspar	K-Ar	44.80	1.60
SMO/MVB	BFA	andesite	feldspar	K-Ar	48.10	5.20
SMO/MVB	CTO-01	ignimbrite	sanidine	K-Ar	47.20	2.40
SMO/MVB	JP 182	granodiorite	biotite	K-Ar	47.00	2.00
SMO/MVB		andesite	whole-rock	K-Ar	44.10	2.20
SMO/MVB	CFE-2	basalt	whole-rock	K-Ar	42.00	2.00
SMO/MVB	TOM-02	rhyolite	sanidine	K-Ar	40.60	2.00
SMO/MVB	CON 7	andesitic laccolith	hornblende	K-Ar	40.50	3.40
SMO/MVB	S-2	ignimbrite	whole-rock	K-Ar	38.30	1.60
SMO/MVB	TX 4	ignimbrite	whole-rock	K-Ar	38.20	2.00
SMO/MVB	SLP 7	andesite	hornblende	K-Ar	37.70	3.80
SMO/MVB	MG/LI 177	andesite	whole-rock	K-Ar	37.00	6.00
SMO/MVB	TX 6	granodiorite	biotite	K-Ar	37.00	6.00
SMO/MVB		ignimbrite	whole-rock	K-Ar	37.00	6.00
SMO/MVB		ignimbrite	whole-rock	K-Ar	36.90	2.60
SMO/MVB	Uaka 79-21	ignimbrite	sanidine	K-Ar	36.80	1.60
SMO/MVB	JP 172	granodiorite	biotite	K-Ar	36.00	2.00
SMO/MVB	EF 327	ignimbrite	whole-rock	K-Ar	36.00	2.00
SMO/MVB	2M-200	granodiorite	biotite	K-Ar	36.00	6.00
SMO/MVB	ES 323	granite	biotite	K-Ar	36.00	6.00
SMO/MVB	MG/LI 112	monzonite	feldspar	K-Ar	36.00	6.00
SMO/MVB	BC 116	ignimbrite	plagioclase	K-Ar	35.50	6.00
SMO/MVB		ignimbrite	feldspar	K-Ar	35.50	2.40
SMO/MVB	PHC 85-2	granite	feldspar	K-Ar	35.00	4.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	Guz 961	granodiorite	biotite	K-Ar	35.00	4.00
SMO/MVB	MG/LI 135	qtz-latite	whole-rock	K-Ar	35.00	6.00
SMO/MVB	MG/LI 140	rhyolite	sanidine	K-Ar	35.00	6.00
SMO/MVB	CON 59	ignimbrite	hornblende	K-Ar	34.80	2.80
SMO/MVB	Ped Zac 5	andesite	whole-rock	K-Ar	34.40	1.40
SMO/MVB	CON 91	andesitic dike	hornblende	K-Ar	34.20	2.80
SMO/MVB	Ped Nay 4	ignimbrite	hornblende	K-Ar	34.06	1.46
SMO/MVB	TM 57	dolerite	whole-rock	K-Ar	34.00	4.00
SMO/MVB	OAX 70	granodiorite	biotite	K-Ar	34.00	4.00
SMO/MVB	TTG 352	granodiorite	biotite	K-Ar	34.00	6.00
SMO/MVB	MG/LI 1	granodiorite	plagioclase	K-Ar	34.00	6.00
SMO/MVB	CON 8A	ignimbrite	hornblende	K-Ar	33.60	2.80
SMO/MVB	Mx 88-17	ignimbrite	sanidine	K-Ar	33.40	3.40
SMO/MVB	SLP 1	ignimbrite	sanidine	K-Ar	33.40	3.40
SMO/MVB	RSM 2	tonalite	biotite	K-Ar	33.00	2.00
SMO/MVB	EF 328	dacitic tuff	whole-rock	K-Ar	33.00	2.00
SMO/MVB	ICO 169	granodiorite	biotite	K-Ar	33.00	6.00
SMO/MVB	TX 35	granite	biotite	K-Ar	33.00	6.00
SMO/MVB	MG/LI 109	tonalite	biotite	K-Ar	33.00	6.00
SMO/MVB	MG/LI 121	andesitic tuff	whole-rock	K-Ar	33.00	6.00
SMO/MVB	MG/LI 112	granodiorite	feldspar	K-Ar	33.00	6.00
SMO/MVB	MG/LI 221	andesite	plagioclase	K-Ar	33.00	6.00
SMO/MVB	GEc 3	rhyolite	whole-rock	K-Ar	33.00	6.00
SMO/MVB	CON 101	ignimbrite	biotite	K-Ar	32.90	1.80
SMO/MVB	CFE(3Rb-S)	granite	whole-rock	Rb/Sr	32.90	16.00
SMO/MVB	TX 16	ignimbrite	whole-rock	K-Ar	32.40	1.80
SMO/MVB	TX 21	ignimbrite	whole-rock	K-Ar	32.40	1.60
SMO/MVB	JL-JE-A F	ignimbrite	feldspar	K-Ar	32.10	3.80
SMO/MVB	MG/LI 138	granodiorite	biotite	K-Ar	32.00	6.00
SMO/MVB	TX 29	andesite	whole-rock	K-Ar	32.00	6.00
SMO/MVB	MG/LI 139	latite	whole-rock	K-Ar	32.00	6.00
SMO/MVB	AMO 950	andesite	whole-rock	K-Ar	32.00	4.00
SMO/MVB	AMD 950	andesite	whole-rock	K-Ar	32.00	4.00
SMO/MVB	BAM 37	andesite	whole-rock	K-Ar	32.00	6.00
SMO/MVB		rhyolite	whole-rock	K-Ar	32.00	2.00
SMO/MVB	TX 25	ignimbrite	whole-rock	K-Ar	31.90	1.60
SMO/MVB	SOL 5	ignimbrite	biotite	K-Ar	31.90	1.60
SMO/MVB	HP 24	qtz-diorite dike	biotite	K-Ar	31.70	0.80
SMO/MVB	TS 56	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	31.60	0.60
SMO/MVB	TX 10	rhyolite	biotite	K-Ar	31.60	2.40
SMO/MVB	RK 22 F	ignimbrite	feldspar	K-Ar	31.40	1.40
SMO/MVB	K-LP-T F	ignimbrite	feldspar	K-Ar	31.40	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	CON 75	ignimbrite	biotite	K-Ar	31.40	1.60
SMO/MVB	RK 17 F	ignimbrite	feldspar	K-Ar	31.20	1.40
SMO/MVB	RK 10 P	ignimbrite	plagioclase	K-Ar	31.20	3.00
SMO/MVB		syenite		K-Ar	31.00	3.80
SMO/MVB	RK 20 F	ignimbrite	feldspar	K-Ar	31.00	1.40
SMO/MVB	TTG 364	granodiorite	biotite	K-Ar	31.00	6.00
SMO/MVB	M-3	granite	biotite	K-Ar	31.00	4.00
SMO/MVB	ICO 167	tonalite	biotite	K-Ar	31.00	6.00
SMO/MVB	BHL 180	andesite	whole-rock	K-Ar	31.00	6.00
SMO/MVB	AMC-05	rhyolite	sanidine	K-Ar	30.80	1.60
SMO/MVB	AMC-08	rhyolite	sanidine	K-Ar	30.70	1.60
SMO/MVB	RK 23 B	rhyolite	biotite	K-Ar	30.70	1.00
SMO/MVB	JL-RD-A-P	rhyolitic dike	plagioclase	K-Ar	30.70	1.40
SMO/MVB	2-71-1 F	ignimbrite	feldspar	K-Ar	30.60	1.80
SMO/MVB		rhyodacite	whole-rock	K-Ar	30.60	3.00
SMO/MVB	TS 5	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	30.60	0.80
SMO/MVB	BV 17	rhyodacite	plagioclase	K-Ar	30.50	2.20
SMO/MVB		ignimbrite	whole-rock	K-Ar	30.40	1.00
SMO/MVB	EN 162	dacite	whole-rock	K-Ar	30.27	3.80
SMO/MVB	AMC-06	andesite	sanidine	K-Ar	30.10	1.60
SMO/MVB	ES 2	ignimbrite	biotite	K-Ar	30.10	1.60
SMO/MVB	RK 5 F	ignimbrite	feldspar	K-Ar	30.00	1.40
SMO/MVB		rhyolite	whole-rock	K-Ar	30.00	3.00
SMO/MVB	GTO 74	andesite	whole-rock	K-Ar	30.00	1.40
SMO/MVB	RK 6 F	ignimbrite	feldspar	K-Ar	29.90	1.40
SMO/MVB	JL BM LB	basalt	whole-rock	K-Ar	29.80	1.20
SMO/MVB	JL BR SI R	basalt	whole-rock	K-Ar	29.50	1.20
SMO/MVB		ignimbrite	whole-rock	K-Ar	29.50	3.00
SMO/MVB	HP 10	andesitic dike	hornblende	K-Ar	29.50	1.40
SMO/MVB	FV69-180	andesite	whole-rock	K-Ar	29.50	1.20
SMO/MVB	RK 14 F	ignimbrite	feldspar	K-Ar	29.20	1.40
SMO/MVB	JAG 1	rhyolite	biotite	K-Ar	29.20	1.60
SMO/MVB	Ped Zac 3	ignimbrite	sanidine	K-Ar	29.15	1.00
SMO/MVB	2-71-2 F	ignimbrite	feldspar	K-Ar	29.10	1.20
SMO/MVB	Nucleo 10b	andesite	whole-rock	K-Ar	29.00	4.00
SMO/MVB		ignimbrite	whole-rock	K-Ar	29.00	3.00
SMO/MVB	EN 3	basalt	whole-rock	K-Ar	28.94	2.00
SMO/MVB	3-71-1 F	ignimbrite	feldspar	K-Ar	28.90	1.20
SMO/MVB	RK 15 F	ignimbrite	feldspar	K-Ar	28.80	2.20
SMO/MVB	RK 2 F	ignimbrite	feldspar	K-Ar	28.70	1.20
SMO/MVB	TS 10	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	28.70	0.80

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	AMC-07	ignimbrite	sanidine	K-Ar	28.60	1.40
SMO/MVB	RK 11 F	ignimbrite	feldspar	K-Ar	28.60	1.20
SMO/MVB	JL 1 R	basalt	whole-rock	K-Ar	28.60	1.00
SMO/MVB	EN 178	latite	whole-rock	K-Ar	28.60	6.00
SMO/MVB	RK 1 F	ignimbrite	feldspar	K-Ar	28.50	3.00
SMO/MVB	RK 4 P	ignimbrite	plagioclase	K-Ar	28.30	1.20
SMO/MVB	RK 3 F	ignimbrite	feldspar	K-Ar	28.30	1.20
SMO/MVB	3-71-10	ignimbrite	biotite	K-Ar	28.30	1.40
SMO/MVB	AMC-01	ignimbrite	sanidine	K-Ar	28.20	1.40
SMO/MVB	PedJal 16	ignimbrite	plagioclase	K-Ar	28.00	2.40
SMO/MVB	BAM 31	andesite	whole-rock	K-Ar	28.00	4.00
SMO/MVB	IMP 619	granite	biotite	K-Ar	28.00	4.00
SMO/MVB	SA 6	ignimbrite	sanidine	K-Ar	28.00	4.00
SMO/MVB	1-70-1 B	rhyolite	biotite	K-Ar	27.90	0.80
SMO/MVB	TS 15	rhyolite		$^{40}\text{Ar}/^{39}\text{Ar}$	27.90	0.60
SMO/MVB	4-22-71 B	rhyolite	biotite	K-Ar	27.70	0.80
SMO/MVB	SS-149	ignimbrite	whole-rock	K-Ar	27.70	1.20
SMO/MVB	SS-227	ignimbrite	whole-rock	K-Ar	27.50	2.40
SMO/MVB	IL 89 5	ignimbrite	sanidine	K-Ar	27.10	0.10
SMO/MVB	TX 1	andesite	whole-rock	K-Ar	27.00	4.00
SMO/MVB	TX 4	granodiorite	biotite	K-Ar	27.00	4.00
SMO/MVB	ICO 115	tonalite	biotite	K-Ar	27.00	4.00
SMO/MVB		ignimbrite	whole-rock	K-Ar	26.80	2.60
SMO/MVB	CM 2	microdiorite dike	groundmass	K-Ar	26.70	1.20
SMO/MVB	RGS 11	granodiorite	hornblende	K-Ar	26.60	1.20
SMO/MVB	FV69-180	ignimbrite	biotite	K-Ar	26.50	1.00
SMO/MVB	TS 11	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	26.50	1.20
SMO/MVB	*3	diorite	whole-rock	K-Ar	26.20	6.20
SMO/MVB	SA 5	rhyolite	sanidine	K-Ar	26.00	4.00
SMO/MVB	1332	rhyolite	whole-rock	K-Ar	25.90	0.40
SMO/MVB	CON 53	granite	biotite	K-Ar	25.50	1.40
SMO/MVB	N 9	ignimbrite	whole-rock	K-Ar	25.00	4.00
SMO/MVB	MGN 8	andesite	whole-rock	K-Ar	25.00	4.00
SMO/MVB	AMC-03	ignimbrite	sanidine	K-Ar	24.80	1.20
SMO/MVB	BV 12	dacite	hornblende	K-Ar	24.80	2.60
SMO/MVB	CM 3	andesite	groundmass	K-Ar	24.70	1.20
SMO/MVB	DCH 1	rhyolite	sanidine	K-Ar	24.70	2.00
SMO/MVB	SLP 9	rhyolite	sanidine	K-Ar	24.38	2.40
SMO/MVB	SL 29	alkaline basalt	whole-rock	K-Ar	24.30	1.00
SMO/MVB	DCH 3	ignimbrite	sanidine	K-Ar	24.10	1.60
SMO/MVB	PZ 1	rhyolite	sanidine	K-Ar	24.00	6.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	R 2	ignimbrite	sanidine	K-Ar	24.00	4.00
SMO/MVB	3-71-3 F	ignimbrite	feldspar	K-Ar	23.90	1.00
SMO/MVB	174	rhyolitic dike	biotite	K-Ar	23.80	0.60
SMO/MVB	FM291	ignimbrite	whole-rock	K-Ar	23.70	2.80
SMO/MVB	Ped Jal 15	ignimbrite	plagioclase	K-Ar	23.60	1.00
SMO/MVB	79-02	ignimbrite	feldspar	K-Ar	23.51	1.00
SMO/MVB	CO 1	ignimbrite	feldspar	K-Ar	23.50	1.80
SMO/MVB	3-71-4 P	ignimbrite	plagioclase	K-Ar	23.40	1.00
SMO/MVB	Nucleo 9	basalt	whole-rock	K-Ar	23.30	3.00
SMO/MVB	3-71-6 F	ignimbrite	feldspar	K-Ar	23.30	1.00
SMO/MVB	3-71-9 P	ignimbrite	plagioclase	K-Ar	23.30	0.80
SMO/MVB	Ped Jal 1	ignimbrite	plagioclase	K-Ar	23.23	0.25
SMO/MVB	3-71-2 F	ignimbrite	feldspar	K-Ar	23.20	1.00
SMO/MVB	TS 22	ignimbrite	sanidine	K-Ar	23.20	1.00
SMO/MVB	3-71-8 F	ignimbrite	feldspar	K-Ar	23.10	1.00
SMO/MVB	Mx 88-38	rhyolite	sanidine	K-Ar	23.00	2.00
SMO/MVB	3-71-7 P	ignimbrite	plagioclase	K-Ar	23.00	1.00
SMO/MVB	PZ 2	rhyolite	sanidine	K-Ar	23.00	4.00
SMO/MVB	Gec 2	rhyolite	plagioclase	K-Ar	23.00	4.00
SMO/MVB	IL 89 1	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	22.99	0.10
SMO/MVB	IL 89 10	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	22.92	0.10
SMO/MVB	IL 89 12	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	22.92	0.10
SMO/MVB	1-70-2 P	ignimbrite	plagioclase	K-Ar	22.90	1.00
SMO/MVB	Ped Jal 19	latite	plagioclase	K-Ar	22.54	0.94
SMO/MVB	*A	andesitic tuff		K-Ar	22.40	8.00
SMO/MVB	TS 26	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	22.40	1.00
SMO/MVB	R 14	alkali basalt	whole-rock	K-Ar	22.40	0.80
SMO/MVB	HM 1	dacite	biotite	K-Ar	22.30	0.60
SMO/MVB	Ped Jal 4	ignimbrite	sanidine	K-Ar	22.23	0.92
SMO/MVB	Na 55 a	alkali basalt	whole-rock	K-Ar	22.10	0.80
SMO/MVB	Mx 88-41	ignimbrite	sanidine	K-Ar	22.00	2.00
SMO/MVB	PZ 3	rhyolite	sanidine	K-Ar	22.00	8.00
SMO/MVB	EF 290	dacite	whole-rock	K-Ar	22.00	2.00
SMO/MVB	A 260	bas. andesite	groundmass	K-Ar	21.81	2.08
SMO/MVB	PR 103	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	21.80	0.60
SMO/MVB	Nucleo 10a	basalt	whole-rock	K-Ar	21.70	2.60
SMO/MVB	TS 21	andesite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	21.40	0.60
SMO/MVB	246	rhyolite	plagioclase	K-Ar	21.30	1.80
SMO/MVB	Ped Jal 6	basaltic dike	whole-rock	K-Ar	21.03	0.88
SMO/MVB	Mx 88-2	ignimbrite	sanidine	K-Ar	21.00	2.00
SMO/MVB	TS 26	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	21.00	1.00

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	W4	andesite	whole-rock	K-Ar	21.00	2.00
SMO/MVB	TSS 1	ignimbrite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	20.90	0.40
SMO/MVB	TS 25	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	20.90	0.60
SMO/MVB	Ped Jal 10	basalt	whole-rock	K-Ar	20.89	0.88
SMO/MVB	TS 46	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	20.80	0.40
SMO/MVB	393	andesite	plagioclase	K-Ar	20.40	5.80
SMO/MVB		andesite	adularia	K-Ar	20.30	1.00
SMO/MVB	NA 41	alkali basalt	whole-rock	K-Ar	20.30	0.80
SMO/MVB	CM 6	ignimbrite	sanidine	K-Ar	20.20	1.00
SMO/MVB	Taf 1	basalt	whole-rock	K-Ar	20.00	2.00
SMO/MVB	Gec 1	ignimbrite	sanidine	K-Ar	20.00	4.00
SMO/MVB	Ped Jal 3	basalt	whole-rock	K-Ar	19.86	0.80
SMO/MVB	Ped Nay 8	andesite-basalt	whole-rock	K-Ar	19.55	0.82
SMO/MVB	RGS 10	feldspar dike	feldspar	K-Ar	19.50	1.00
SMO/MVB	*B	ignimbrite		K-Ar	19.40	1.20
SMO/MVB	FV88-497	ignimbrite	plagioclase	K-Ar	19.30	1.00
SMO/MVB	Ped Nay 9	ignimbrite	hornblende	K-Ar	19.03	0.80
SMO/MVB	F-8-1	ignimbrite	plagioclase	K-Ar	18.90	1.00
SMO/MVB	GTO 16	ignimbrite	sanidine	K-Ar	18.90	0.80
SMO/MVB	*C	ignimbrite		K-Ar	18.70	2.20
SMO/MVB	165	rhyolite	plagioclase	K-Ar	18.50	1.40
SMO/MVB	*D	qtz monzonite		K-Ar	18.30	2.80
SMO/MVB	Mex 215	andesite	whole-rock	K-Ar	18.20	1.20
SMO/MVB	404	rhyolite	feldspar	K-Ar	18.10	1.60
SMO/MVB	Mx 88-31	ignimbrite	plagioclase	K-Ar	18.00	1.00
SMO/MVB	EN 119	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	17.60	1.80
SMO/MVB	Hz 23	andesite	groundmass	K-Ar	17.60	2.00
SMO/MVB	EN 182	dacite	whole-rock	K-Ar	17.30	2.00
SMO/MVB	PHC 85	granite	biotite	K-Ar	17.20	2.00
SMO/MVB	R 1	ignimbrite	sanidine	K-Ar	17.00	2.00
SMO/MVB	Hz 3	andesite	groundmass	K-Ar	17.00	2.00
SMO/MVB	Ped Jal 22	ignimbrite	plagioclase	K-Ar	16.90	1.00
SMO/MVB	Mx 88-31	andesite	plagioclase	K-Ar	16.20	1.60
SMO/MVB	UAKA 79-1	latite	whole-rock	K-Ar	16.20	0.68
SMO/MVB	SB 12	basalt	whole-rock	K-Ar	16.00	0.26
SMO/MVB	369	basalt	plagioclase	K-Ar	16.00	1.40
SMO/MVB	Hz 20	andesite	groundmass	K-Ar	16.00	2.00
SMO/MVB	PED-HI 20	vitric tuff	sanidine	K-Ar	15.70	0.80
SMO/MVB	Ped Jal 13	ignimbrite	sanidine	K-Ar	15.30	0.64
SMO/MVB	Mas 712	ignimbrite	gouge	K-Ar	15.20	5.00
SMO/MVB	Nucleo 6	andesite	whole-rock	K-Ar	15.00	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB		andesite	whole-rock	K-Ar	15.00	1.60
SMO/MVB	PHA 85	andesite	whole-rock	K-Ar	14.70	1.40
SMO/MVB	EN 39	andesite	whole-rock	K-Ar	14.70	1.40
SMO/MVB	EN 199	andesite	whole-rock	K-Ar	14.56	1.40
SMO/MVB	Mas 714	ignimbrite	gouge	K-Ar	14.50	0.80
SMO/MVB	EN 168	basalt	whole-rock	K-Ar	14.26	3.00
SMO/MVB		basalt	whole-rock	K-Ar	14.20	1.40
SMO/MVB	Ls 23	andesite	whole-rock	K-Ar	14.10	1.40
SMO/MVB	UG 185	andesite	whole-rock	K-Ar	14.00	2.00
SMO/MVB	LIRT 6	andesite	plagioclase	K-Ar	14.00	2.00
SMO/MVB	LIRT 32	basalt	whole-rock	K-Ar	14.00	2.00
SMO/MVB	Ve 71b	alkali basalt	whole-rock	K-Ar	14.00	2.00
SMO/MVB	Mx 88-32	dacite	amphibole	K-Ar	13.90	1.40
SMO/MVB	188	basalt	plagioclase	K-Ar	13.80	6.20
SMO/MVB	EN 17	andesite	whole-rock	K-Ar	13.78	1.40
SMO/MVB	Nucleo 8	basalt	whole-rock	K-Ar	13.70	1.60
SMO/MVB	EN 123	andesite	whole-rock	K-Ar	13.66	3.80
SMO/MVB	RGS 12	ignimbrite	sanidine	K-Ar	13.60	0.20
SMO/MVB	EN 167	andesite	whole-rock	K-Ar	13.57	1.20
SMO/MVB	DCH 8	basalt	whole-rock	K-Ar	13.50	2.60
SMO/MVB	1156	gabbro	plagioclase	K-Ar	13.30	4.00
SMO/MVB	79-20	ignimbrite	plagioclase	K-Ar	13.21	0.70
SMO/MVB	1325	andesite	whole-rock	K-Ar	13.20	0.40
SMO/MVB	AG 47	andesite	groundmass	K-Ar	13.20	0.40
SMO/MVB	HZ 22	andesite	groundmass	K-Ar	13.10	2.00
SMO/MVB	C 2	andesite	whole-rock	K-Ar	13.00	1.60
SMO/MVB	LIRT 37	andesite	whole-rock	K-Ar	13.00	2.00
SMO/MVB	MG/LI 2	basalt	whole-rock	K-Ar	13.00	2.00
SMO/MVB	MS 101	rhyolite	feldspar	K-Ar	13.00	2.00
SMO/MVB	*G	trachyte		K-Ar	12.90	1.00
SMO/MVB	GTO 6	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	12.70	0.60
SMO/MVB	HU 44	rhyolite	plagioclase	K-Ar	12.70	0.80
SMO/MVB	RK 13	alkali basalt	plagioclase	K-Ar	12.60	2.60
SMO/MVB	1153	basaltic dike	whole-rock	K-Ar	12.60	0.80
SMO/MVB	GTO 14	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	12.50	0.40
SMO/MVB		basalt	whole-rock	K-Ar	12.50	1.80
SMO/MVB	RK 24	alkali basalt	amphibole	K-Ar	12.40	0.80
SMO/MVB	EN 11	andesite	whole-rock	K-Ar	12.40	1.20
SMO/MVB	Nucleo 5	basalt	whole-rock	K-Ar	12.30	2.00
SMO/MVB	Nucleo 7	basalt	whole-rock	K-Ar	12.20	1.20
SMO/MVB	EN 114	andesite	whole-rock	K-Ar	12.12	0.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	Jag 3	andesite	plagioclase	K-Ar	12.10	1.20
SMO/MVB		basalt	whole-rock	K-Ar	12.10	0.40
SMO/MVB	S 1	basalt	whole-rock	K-Ar	12.00	4.00
SMO/MVB	Nucleo 1	andesite	whole-rock	K-Ar	12.00	0.20
SMO/MVB	LIRT 23	porphyry	plagioclase	K-Ar	12.00	2.00
SMO/MVB	79-19	basaltic andesitic dike	whole-rock	K-Ar	11.92	0.52
SMO/MVB	EN 38	andesite	whole-rock	K-Ar	11.88	1.20
SMO/MVB	Nucleo 10	andesite	whole-rock	K-Ar	11.80	3.80
SMO/MVB	RK 12	alkali basalt	amphibole	K-Ar	11.70	0.60
SMO/MVB	*H	rhyolite	whole-rock	K-Ar	11.60	1.40
SMO/MVB		alkali basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	11.59	0.10
SMO/MVB	*I	monzonitic dike	whole-rock	K-Ar	11.50	1.00
SMO/MVB	Ped Nay 3	basaltic dike	whole-rock	K-Ar	11.48	0.48
SMO/MVB	Mx 88-13	rhyolite	plagioclase	K-Ar	11.40	1.20
SMO/MVB	*J	basalt	whole-rock	K-Ar	11.20	1.60
SMO/MVB	Jag 2	andesite	whole-rock	K-Ar	11.10	0.80
SMO/MVB	1155	ignimbrite	feldspar	K-Ar	11.10	0.40
SMO/MVB		basaltic dike	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	11.03	0.32
SMO/MVB	S6	basaltic andesite	whole-rock	K-Ar	11.00	4.00
SMO/MVB	LIRT 29	tonalite	biotite	K-Ar	11.00	1.74
SMO/MVB	ES 135	basalt	whole-rock	K-Ar	11.00	2.00
SMO/MVB	95-J8	andesite	whole-rock	K-Ar	11.00	1.20
SMO/MVB	A 81	basaltic andesite	groundmass	K-Ar	10.99	0.46
SMO/MVB	Ped Zac 1	andesite	whole-rock	K-Ar	10.96	1.14
SMO/MVB	Ped Nay 12	basaltic dike	whole-rock	K-Ar	10.92	0.66
SMO/MVB	ZA 8	andesite	whole-rock	K-Ar	10.90	1.00
SMO/MVB	GTO 1	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	10.80	1.00
SMO/MVB	DCH 2	basaltic andesite	whole-rock	K-Ar	10.80	1.80
SMO/MVB	EN 197	andesite	whole-rock	K-Ar	10.74	0.80
SMO/MVB	PED-HI 21	basalt	whole-rock	K-Ar	10.70	0.40
SMO/MVB		basaltic dike	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	10.70	0.40
SMO/MVB		basalt	whole-rock	K-Ar	10.70	1.40
SMO/MVB	Joy 72	andesite	groundmass	K-Ar	10.60	1.00
SMO/MVB	Ped Zac 2	basaltic andesite	groundmass	K-Ar	10.52	0.44
SMO/MVB	1327	andesite	whole-rock	K-Ar	10.50	0.20
SMO/MVB	1330	basaltic andesite	whole-rock	K-Ar	10.30	0.20
SMO/MVB	DCH 4	basalt	whole-rock	K-Ar	10.30	1.00
SMO/MVB	A 30	basalt	groundmass	K-Ar	10.25	1.64
SMO/MVB	61-180	basalt	groundmass	K-Ar	10.23	0.68
SMO/MVB	1131	basalt	whole-rock	K-Ar	10.20	0.60
SMO/MVB	1331	andesite	whole-rock	K-Ar	10.20	0.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	1151	basalt	whole-rock	K-Ar	10.20	1.60
SMO/MVB	PR 67	basalt	whole-rock	K-Ar	10.20	0.80
SMO/MVB	IL 89 8	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	10.17	0.08
SMO/MVB	ZHG JRE-7	basalt	groundmass	K-Ar	10.10	1.00
SMO/MVB	1150	basalt	whole-rock	K-Ar	10.10	0.60
SMO/MVB	DCH 9	rhyolite	whole-rock	K-Ar	10.10	0.80
SMO/MVB	Az 20	andesite	whole-rock	K-Ar	10.10	1.20
SMO/MVB	M203a	andesite	whole-rock	K-Ar	10.10	0.80
SMO/MVB	CHP 711	basaltic andesite		K-Ar	10.08	1.60
SMO/MVB	Ped Jal 8	basaltic andesite	groundmass	K-Ar	10.05	0.64
SMO/MVB	S 8	basalt	whole-rock	K-Ar	10.00	4.00
SMO/MVB	MS 56	andesite	plagioclase	K-Ar	10.00	2.00
SMO/MVB	GTO 2	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	10.00	0.40
SMO/MVB	C3	basalt	whole-rock	K-Ar	10.00	2.00
SMO/MVB	193	basalt	whole-rock	K-Ar	9.90	0.60
SMO/MVB		ignimbrite	whole-rock	K-Ar	9.80	2.00
SMO/MVB	95-G4a	andesite	whole-rock	K-Ar	9.70	1.00
SMO/MVB	A 28	basalt	groundmass	K-Ar	9.61	0.56
SMO/MVB	SB 10	andesite	whole-rock	K-Ar	9.60	2.00
SMO/MVB	Ped Jal 12	basalt	whole-rock	K-Ar	9.58	0.70
SMO/MVB	1	basalt	whole-rock	K-Ar	9.50	0.20
SMO/MVB	1337	andesite	whole-rock	K-Ar	9.44	0.20
SMO/MVB	LIRT 100	alkali basalt	plagioclase	K-Ar	9.40	1.80
SMO/MVB	EN 33	basalt	whole-rock	K-Ar	9.38	1.00
SMO/MVB	DCH 5	basalt	whole-rock	K-Ar	9.30	1.80
SMO/MVB	DCH 7	ignimbrite	sanidine	K-Ar	9.30	0.80
SMO/MVB	2	basalt	whole-rock	K-Ar	9.20	0.20
SMO/MVB	LI 203	trachy-dacite	whole-rock	K-Ar	9.20	1.00
SMO/MVB	3	ignimbrite	whole-rock	K-Ar	9.10	0.20
SMO/MVB	DCH 6	ignimbrite	whole-rock	K-Ar	9.10	0.80
SMO/MVB	LIRT 35	ignimbrite	biotite	K-Ar	9.08	1.40
SMO/MVB	4	basalt	whole-rock	K-Ar	9.00	0.40
SMO/MVB	HF 7	andesite	whole-rock	K-Ar	9.00	1.60
SMO/MVB	MS 102	basalt	whole-rock	K-Ar	9.00	2.00
SMO/MVB	95-R1	andesite	whole-rock	K-Ar	9.00	0.80
SMO/MVB	ZI 43	andesite	whole-rock	K-Ar	9.00	0.60
SMO/MVB	KR 381	alkali basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.93	0.22
SMO/MVB	KR 452	alkali basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.91	0.12
SMO/MVB	95-X4d	andesite	whole-rock	K-Ar	8.90	0.80
SMO/MVB	ROE 142	basalt	whole-rock	K-Ar	8.80	1.60
SMO/MVB	*K	basalt	whole-rock	K-Ar	8.70	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB		basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.70	2.00
SMO/MVB	N8	ignimbrite	whole-rock	K-Ar	8.70	1.40
SMO/MVB	CB1 N2	basaltic andesite	plagioclase	$^{40}\text{Ar}/^{39}\text{Ar}$	8.60	0.40
SMO/MVB	DCH 10	rhyolite	sanidine	K-Ar	8.60	0.60
SMO/MVB	Ped Jal 17	basalt	whole-rock	K-Ar	8.52	0.20
SMO/MVB	SB 8	basalt	whole-rock	K-Ar	8.30	2.00
SMO/MVB	1152	basalt	plagioclase	K-Ar	8.30	1.20
SMO/MVB	Mx 88-20	basalt	whole-rock	K-Ar	8.10	1.60
SMO/MVB	Ped Jal 11	basalt	whole-rock	K-Ar	8.02	0.20
SMO/MVB	NT-29	basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	8.00	1.00
SMO/MVB	Cu 8	andesite	whole-rock	K-Ar	7.81	1.20
SMO/MVB	HF 24	rhyolite	whole-rock	K-Ar	7.80	0.80
SMO/MVB	421	rhyolite	feldspar	K-Ar	7.80	1.20
SMO/MVB	KA 4289	ignimbrite		K-Ar	7.73	0.40
SMO/MVB	NT 22	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	7.70	0.20
SMO/MVB	VE 118	andesite	whole-rock	K-Ar	7.70	0.60
SMO/MVB	HF 25	rhyolite	whole-rock	K-Ar	7.60	0.60
SMO/MVB	PR 90	basalt	whole-rock	K-Ar	7.50	1.60
SMO/MVB	W 2	basalt	whole-rock	K-Ar	7.50	4.00
SMO/MVB	EN 36	andesite	whole-rock	K-Ar	7.43	0.80
SMO/MVB	W3	andesite	whole-rock	K-Ar	7.30	4.00
SMO/MVB		dacite	whole-rock	K-Ar	7.20	0.40
SMO/MVB	LF 1	rhyolite	biotite	$^{40}\text{Ar}/^{39}\text{Ar}$	7.20	0.60
SMO/MVB	KA 3100	rhyolite	sanidine	K-Ar	7.15	0.40
SMO/MVB	1340a	basalt	whole-rock	K-Ar	7.12	0.64
SMO/MVB	*L	ignimbrite		K-Ar	7.00	2.00
SMO/MVB	M 1	ignimbrite	plagioclase	K-Ar	7.00	2.00
SMO/MVB	MS 104	ignimbrite	glass	K-Ar	7.00	2.00
SMO/MVB		rhyolite		K-Ar	6.70	0.20
SMO/MVB	AG 69	rhyolite	groundmass	K-Ar	6.70	0.40
SMO/MVB		rhyolite		K-Ar	6.60	0.20
SMO/MVB		basalt	whole-rock	K-Ar	6.50	0.40
SMO/MVB	VE 15	dacite		K-Ar	6.50	0.40
SMO/MVB		basalt		K-Ar	6.40	0.40
SMO/MVB	CHP 555	basalt	whole-rock	K-Ar	6.26	2.42
SMO/MVB	CHP 717	basalt		K-Ar	6.22	1.92
SMO/MVB	LIRT 2	gabbro	whole-rock	K-Ar	6.20	1.20
SMO/MVB	Joy 78	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	6.20	1.20
SMO/MVB	CHP 563	alkali basalt		K-Ar	6.15	1.58
SMO/MVB	Mx 88-19	ignimbrite	plagioclase	K-Ar	6.10	1.20
SMO/MVB	Pu 3	basalt	whole-rock	K-Ar	6.00	0.80

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	CI 14	basalt	whole-rock	K-Ar	6.00	0.60
SMO/MVB	LIRT 202	alkali basalt	whole-rock	K-Ar	6.00	1.20
SMO/MVB	LTX-78	alkali basalt	whole-rock	K-Ar	5.90	5.80
SMO/MVB	Az 7	andesite	whole-rock	K-Ar	5.90	0.80
SMO/MVB	Am 67	basaltic andesite	whole-rock	K-Ar	5.69	0.70
SMO/MVB	LIRT 200	basaltic andesite	whole-rock	K-Ar	5.60	1.80
SMO/MVB	Jal 7	ignimbrite		K-Ar	5.53	0.20
SMO/MVB	5	andesite	whole-rock	K-Ar	5.50	0.20
SMO/MVB	AG 56	andesite	whole-rock	K-Ar	5.50	0.80
SMO/MVB	KA 4290	rhyolite		K-Ar	5.47	0.34
SMO/MVB	CHP 552	andesite		K-Ar	5.45	1.70
SMO/MVB	Mx 88-43	rhyolite	sanidine	K-Ar	5.40	1.00
SMO/MVB	C 85	andesite	hornblende	K-Ar	5.40	0.40
SMO/MVB	Aca 2	andesite	whole-rock	K-Ar	5.32	1.00
SMO/MVB	ZHG JRE-5	andesite	whole-rock	K-Ar	5.30	0.60
SMO/MVB	CHP 726b	andesite		K-Ar	5.23	1.26
SMO/MVB	C 78	andesite	hornblende	K-Ar	5.20	0.80
SMO/MVB	KA 3252	rhyolite		K-Ar	5.19	0.12
SMO/MVB	CHP 113	andesite	whole-rock	K-Ar	5.17	1.64
SMO/MVB	EN 55	basalt	whole-rock	K-Ar	5.15	2.00
SMO/MVB	CHP 533	andesite		K-Ar	5.15	1.22
SMO/MVB	AG 82	basalt	whole-rock	K-Ar	5.10	0.60
SMO/MVB	MG/LI 59	andesite	whole-rock	K-Ar	5.00	0.80
SMO/MVB	Az 6	andesite	whole-rock	K-Ar	5.00	0.80
SMO/MVB	EN 69	basalt	whole-rock	K-Ar	4.99	3.00
SMO/MVB	AI 20	andesite	whole-rock	K-Ar	4.96	0.06
SMO/MVB	Mas-512	basaltic andesite	groundmass	K-Ar	4.92	0.30
SMO/MVB	ZHG JRE-9	ignimbrite	biotite	K-Ar	4.90	0.60
SMO/MVB	LIRT 3	alkali basalt	whole-rock	K-Ar	4.90	1.00
SMO/MVB	MI 97	andesite	whole-rock	K-Ar	4.89	0.60
SMO/MVB	6	ignimbrite	whole-rock	K-Ar	4.80	0.20
SMO/MVB	AG 89	andesite	whole-rock	K-Ar	4.80	0.60
SMO/MVB	CHP 726b	andesite		K-Ar	4.79	1.18
SMO/MVB	KA 3046	ignimbrite	sanidine	K-Ar	4.71	0.14
SMO/MVB	7	basalt	whole-rock	K-Ar	4.70	0.20
SMO/MVB	Am 84	ignimbrite	feldspar	K-Ar	4.70	0.38
SMO/MVB	AG 88	ignimbrite	glass	K-Ar	4.70	0.40
SMO/MVB	Ped Jal 21	ignimbrite	plagioclase	K-Ar	4.69	0.34
SMO/MVB	B116	ankaratite	phlogopite	K-Ar	4.69	0.10
SMO/MVB	Ped Jal 8	ignimbrite	An	K-Ar	4.68	0.22
SMO/MVB	Am 22	ignimbrite	glass	K-Ar	4.68	0.20
SMO/MVB	AI 11	basalt	whole-rock	K-Ar	4.65	0.10

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	CHP 106	andesite	whole-rock	K-Ar	4.64	1.36
SMO/MVB	GD-6	alkali basalt	groundmass	K-Ar	4.60	0.26
SMO/MVB	284	rhyolite	feldspar	K-Ar	4.60	0.40
SMO/MVB	C 69	andesite	whole-rock	K-Ar	4.60	0.20
SMO/MVB	CHP 705	alkali basalt	whole-rock	K-Ar	4.58	2.14
SMO/MVB	505	dacite	hornblende	K-Ar	4.56	0.02
SMO/MVB	C 91	alkali andesite	whole-rock	K-Ar	4.56	0.08
SMO/MVB	AZ 148	ignimbrite	whole-rock	K-Ar	4.50	0.20
SMO/MVB	HU 20 5	ignimbrite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	4.50	0.80
SMO/MVB	CHP 169	basalt	whole-rock	K-Ar	4.48	1.38
SMO/MVB	A 45	lamprophyre	whole-rock	K-Ar	4.42	0.06
SMO/MVB	ZHG JRE-8	andesite	whole-rock	K-Ar	4.40	0.60
SMO/MVB	LI 104	trachy-basalt	whole-rock	K-Ar	4.40	0.60
SMO/MVB	KA 4288r	basalt	whole-rock	K-Ar	4.40	0.60
SMO/MVB	EN 41	andesite	whole-rock	K-Ar	4.36	0.60
SMO/MVB	CI 3	andesite	whole-rock	K-Ar	4.35	0.12
SMO/MVB	Ped Jal 26	basalt	whole-rock	K-Ar	4.33	0.18
SMO/MVB		basaltic andesite	whole-rock	K-Ar	4.31	1.60
SMO/MVB	Am 58	andesite	whole-rock	K-Ar	4.31	0.24
SMO/MVB	Am 79	dacite	glass	K-Ar	4.31	0.20
SMO/MVB	ZHG JRE-6	andesite	whole-rock	K-Ar	4.30	0.60
SMO/MVB	Mx 88-28	dacite	biotite	K-Ar	4.30	0.80
SMO/MVB		ignimbrite		K-Ar	4.30	0.60
SMO/MVB	LI 300	alkali basalt	whole-rock	K-Ar	4.30	0.60
SMO/MVB	231	basalt	plagioclase	K-Ar	4.30	3.40
SMO/MVB	AI 38	lamprophyre	groundmass	K-Ar	4.28	0.40
SMO/MVB	B 60	lamprophyre	phlogopite	K-Ar	4.28	0.04
SMO/MVB	CI 45	lamprophyre	whole-rock	K-Ar	4.24	0.22
SMO/MVB	Mas801b	ignimbrite	sanidine	$^{40}\text{Ar}/^{39}\text{Ar}$	4.23	0.04
SMO/MVB	CI 41	lamprophyre	phlogopite	K-Ar	4.21	0.14
SMO/MVB		ignimbrite		K-Ar	4.20	0.60
SMO/MVB	CI 40	lamprophyre	whole-rock	K-Ar	4.20	0.06
SMO/MVB	CHP 092	andesite		K-Ar	4.19	1.38
SMO/MVB	A 60	lamprophyre	whole-rock	K-Ar	4.16	0.08
SMO/MVB	CHP 551	alkali basalt	whole-rock	K-Ar	4.12	1.28
SMO/MVB	LI 1	alkali basalt	whole-rock	K-Ar	4.00	0.80
SMO/MVB	MGN 39	basalt	whole-rock	K-Ar	4.00	0.80
SMO/MVB	Ped Jal 24	basalt	whole-rock	K-Ar	3.97	0.18
SMO/MVB	SK 259	basalt		K-Ar	3.97	0.20
SMO/MVB	Am 41b	andesite	groundmass	K-Ar	3.96	0.80
SMO/MVB	Am 63	rhyolite	feldspar	K-Ar	3.90	0.28

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	KR 308	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	3.88	0.06
SMO/MVB	CHP 535	andesite	whole-rock	K-Ar	3.86	1.30
SMO/MVB	CHP 601b	andesite	whole-rock	K-Ar	3.85	0.84
SMO/MVB	LI 107	alkali basalt	whole-rock	K-Ar	3.80	0.80
SMO/MVB	Mx 88-22	ignimbrite	plagioclase	K-Ar	3.80	0.80
SMO/MVB	CM 4	basalt	groundmass	K-Ar	3.77	1.20
SMO/MVB	LTX-113	alkali basalt	whole-rock	K-Ar	3.76	0.24
SMO/MVB	Am 61	andesite	groundmass	K-Ar	3.74	0.50
SMO/MVB	Ped Jal 23	basalt	whole-rock	K-Ar	3.72	0.12
SMO/MVB	Am 179	rhyolite	glass	K-Ar	3.72	0.54
SMO/MVB	LI 106	alkali basalt	whole-rock	K-Ar	3.70	0.80
SMO/MVB	Am 78	andesite	groundmass	K-Ar	3.70	0.78
SMO/MVB	Mas 521	basalt	groundmass	K-Ar	3.69	0.26
SMO/MVB	LI 102	alkali basalt	whole-rock	K-Ar	3.60	0.80
SMO/MVB	MG/LI 60	andesite	whole-rock	K-Ar	3.60	0.60
SMO/MVB	KR-109	alkali basalt	groundmass	K-Ar	3.55	0.42
SMO/MVB	Am 81	ignimbrite	glass	K-Ar	3.52	0.32
SMO/MVB	LI 109	trachy-basalt	whole-rock	K-Ar	3.49	0.70
SMO/MVB	KA 3051	ignimbrite		K-Ar	3.44	0.20
SMO/MVB	AZ 146	ignimbrite	whole-rock	K-Ar	3.40	0.20
SMO/MVB	LTX-67	alkali basalt	whole-rock	K-Ar	3.40	0.40
SMO/MVB	KR 403C	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	3.38	0.10
SMO/MVB	KR-122	alkali basalt	groundmass	K-Ar	3.38	0.20
SMO/MVB	KR 386	alkali basalt	groundmass	K-Ar	3.36	0.34
SMO/MVB	213	lamprophyre	groundmass	K-Ar	3.30	0.28
SMO/MVB	ROE 144	andesite	whole-rock	K-Ar	3.30	0.60
SMO/MVB	LTX-33	alkali basalt	whole-rock	K-Ar	3.30	0.52
SMO/MVB	Mas-704	basaltic andesite	groundmass	K-Ar	3.29	0.24
SMO/MVB	B 69	lamprophyre	whole-rock	K-Ar	3.29	0.04
SMO/MVB	Mas 530	basalt	groundmass	K-Ar	3.26	0.36
SMO/MVB	KA 4155	ignimbrite		K-Ar	3.23	0.16
SMO/MVB	TQ-308	basalt	groundmass	K-Ar	3.19	0.52
SMO/MVB	241	lamprophyre	groundmass	K-Ar	3.16	0.12
SMO/MVB	KR 389	alkali andesite	groundmass	K-Ar	3.11	0.14
SMO/MVB	Az 20b	dacite		K-Ar	3.10	0.40
SMO/MVB	KA 3076	pumice		K-Ar	3.07	0.20
SMO/MVB	101	lamprophyre	groundmass	K-Ar	3.04	0.24
SMO/MVB	N-2	andesite	whole-rock	K-Ar	3.00	0.60
SMO/MVB	N 2	andesite	whole-rock	K-Ar	3.00	0.40
SMO/MVB	MGN 43	andesite	whole-rock	K-Ar	3.00	0.40
SMO/MVB	Am 122	rhyolite	glass	K-Ar	2.92	1.18

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	133	lamprophyre	groundmass	K-Ar	2.90	0.30
SMO/MVB	Mex 138	porphritic andesite	whole-rock	K-Ar	2.90	0.24
SMO/MVB	Hz 15	dacite	groundmass	K-Ar	2.90	1.20
SMO/MVB	KR-110	andesite	groundmass	K-Ar	2.89	0.14
SMO/MVB	154	lamprophyre	groundmass	K-Ar	2.87	0.22
SMO/MVB	ZHG JRE-2	ignimbrite	plagioclase	K-Ar	2.80	0.40
SMO/MVB	Mor 4	ignimbrite	sanidine	K-Ar	2.80	0.40
SMO/MVB	Ped Jal 3	alkali basalt	whole-rock	K-Ar	2.80	0.20
SMO/MVB	166	lamprophyre	groundmass	K-Ar	2.78	0.32
SMO/MVB	A555	basalt	whole-rock	K-Ar	2.78	1.40
SMO/MVB	KR-260	alkali basalt	groundmass	K-Ar	2.74	0.32
SMO/MVB	LI 204	trachy-dacite	whole-rock	K-Ar	2.70	0.60
SMO/MVB	LI 111	basanite	whole-rock	K-Ar	2.70	0.56
SMO/MVB	LTX-30	alkali basalt	whole-rock	K-Ar	2.70	0.30
SMO/MVB	HU 8	andesite	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	2.70	0.40
SMO/MVB	KR-259	alkali basalt	groundmass	K-Ar	2.69	0.36
SMO/MVB	881	andesite	whole-rock	K-Ar	2.60	0.20
SMO/MVB	LTX-77	alkali basalt	whole-rock	K-Ar	2.60	0.26
SMO/MVB	Am 18	andesite	whole-rock	K-Ar	2.54	0.52
SMO/MVB	CHP 504	andesite	whole-rock	K-Ar	2.52	0.74
SMO/MVB	155	lamprophyre	groundmass	K-Ar	2.50	0.14
SMO/MVB	Ped Jal 20	basalt	whole-rock	K-Ar	2.50	0.12
SMO/MVB	MS81-103	basalt	whole-rock	K-Ar	2.50	0.40
SMO/MVB	MAS-324	basalt	whole-rock	K-Ar	2.47	0.24
SMO/MVB	TUX-77	alkali basalt	whole-rock	K-Ar	2.47	0.08
SMO/MVB	A 89	alkali andesite	whole-rock	K-Ar	2.41	0.08
SMO/MVB	NT 25	andesite	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	2.40	0.20
SMO/MVB	LTX-40	alkali basalt	whole-rock	K-Ar	2.37	1.80
SMO/MVB	997	andesite	groundmass	K-Ar	2.35	0.50
SMO/MVB	267	rhyolite	plagioclase	K-Ar	2.30	1.00
SMO/MVB	TUX-123	alkali basalt	whole-rock	K-Ar	2.28	0.92
SMO/MVB	Mex 116	andesite	whole-rock	K-Ar	2.26	0.20
SMO/MVB	995	andesite	groundmass	K-Ar	2.23	0.46
SMO/MVB	LI 110	basanite	whole-rock	K-Ar	2.20	0.40
SMO/MVB	Pu 12	andesite	whole-rock	K-Ar	2.19	0.40
SMO/MVB	LL-48	andesite	groundmass	K-Ar	2.18	0.20
SMO/MVB	Am 19b	andesite	groundmass	K-Ar	2.18	0.14
SMO/MVB	978	andesite	groundmass	K-Ar	2.16	0.40
SMO/MVB	Mx 88-33	dacite	biotite	K-Ar	2.15	0.40
SMO/MVB	LTX-95	alkali basalt	whole-rock	K-Ar	2.15	0.14
SMO/MVB	EN 44	andesite	whole-rock	K-Ar	2.13	1.40

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	439	andesite	plagioclase	K-Ar	2.10	0.80
SMO/MVB	LTX-82	alkali basalt	whole-rock	K-Ar	2.08	0.20
SMO/MVB	SN-306	alkali basalt	whole-rock	K-Ar	2.00	1.00
SMO/MVB	SN-304	alkali basalt	whole-rock	K-Ar	2.00	0.40
SMO/MVB	SN-211	basalt	whole-rock	K-Ar	2.00	0.20
SMO/MVB	N-5	andesite	whole-rock	K-Ar	2.00	0.40
SMO/MVB	N-8	diabase	plagioclase	K-Ar	2.00	1.00
SMO/MVB	HKA 978			K-Ar	1.97	0.46
SMO/MVB	KA 2957	basalt		K-Ar	1.78	0.60
SMO/MVB	115	lamprophyre	groundmass	K-Ar	1.75	0.40
SMO/MVB	Ped Jal 7	andesite	whole-rock	K-Ar	1.70	0.12
SMO/MVB	Hz 2	andesite	groundmass	K-Ar	1.70	0.60
SMO/MVB	MI 69	dacite	hornblende	K-Ar	1.70	0.20
SMO/MVB	CHP 722	andesite		K-Ar	1.69	1.08
SMO/MVB	706	andesite	whole-rock	K-Ar	1.60	0.20
SMO/MVB	LTX-23	alkali basalt	whole-rock	K-Ar	1.60	1.20
SMO/MVB	Ar 07	andesite	groundmass	K-Ar	1.60	0.60
SMO/MVB	Ls 443	rhyolite	whole-rock	K-Ar	1.60	0.30
SMO/MVB	Hz 25	dacite	hornblende	K-Ar	1.60	0.60
SMO/MVB	NE 20	andesite		K-Ar	1.60	0.20
SMO/MVB	VE 52	andesite	whole-rock	K-Ar	1.57	0.14
SMO/MVB	CHP 549	andesite		K-Ar	1.56	1.00
SMO/MVB	AR 5	rhyolite	whole-rock	K-Ar	1.53	0.26
SMO/MVB	195	basaltic andesite	whole-rock	K-Ar	1.52	0.24
SMO/MVB	Hz 40	andesite	groundmass	K-Ar	1.50	0.60
SMO/MVB	KR 320	basalt	groundmass	$^{40}\text{Ar}^{39}\text{Ar}$	1.49	0.06
SMO/MVB	TUX-120	alkali basalt	whole-rock	K-Ar	1.46	0.58
SMO/MVB	BI 3	andesite	whole-rock	K-Ar	1.44	0.04
SMO/MVB	CI 7	andesite	whole-rock	K-Ar	1.40	0.80
SMO/MVB	Ar 09	andesite	whole-rock	K-Ar	1.40	0.56
SMO/MVB	W 1	rhyolite	sanidine	K-Ar	1.39	1.00
SMO/MVB	AZ 82	rhyolite	whole-rock	K-Ar	1.39	0.10
SMO/MVB	CHP 538	andesite		K-Ar	1.39	0.86
SMO/MVB	KA 4287	basalt	whole-rock	K-Ar	1.37	0.40
SMO/MVB	Jal 6	alkali basalt	whole-rock	K-Ar	1.34	0.40
SMO/MVB	M 231	dacite	biotite	K-Ar	1.33	0.40
SMO/MVB	AZ 11	rhyolite	whole-rock	K-Ar	1.31	0.08
SMO/MVB	CI 48	andesite	whole-rock	K-Ar	1.31	0.38
SMO/MVB	AZ 121	rhyolite	whole-rock	K-Ar	1.30	0.06
SMO/MVB	Pu 7	basalt	whole-rock	K-Ar	1.30	0.20
SMO/MVB	Lirt 44	andesite	whole-rock	K-Ar	1.30	0.60
SMO/MVB	Ar 02	andesite	groundmass	K-Ar	1.30	0.60

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	NE 17	andesite	whole-rock	K-Ar	1.30	0.60
SMO/MVB	CHP 290	andesite	whole-rock	K-Ar	1.29	1.00
SMO/MVB	TUX-109	alkali basalt	whole-rock	K-Ar	1.26	0.50
SMO/MVB	B 44	lamprophyre	whole-rock	K-Ar	1.26	0.06
SMO/MVB	AZ 128	dacite	whole-rock	K-Ar	1.22	0.18
SMO/MVB	999	andesite	groundmass	K-Ar	1.22	0.26
SMO/MVB	Ar 3	rhyolite	whole-rock	K-Ar	1.21	0.08
SMO/MVB	LI 207	basaltic andesite	whole-rock	K-Ar	1.20	0.06
SMO/MVB	NE 19	andesite	whole-rock	K-Ar	1.20	0.40
SMO/MVB	Ar 4	rhyolite	whole-rock	K-Ar	1.19	0.18
SMO/MVB	A 4	lamprophyre	whole-rock	K-Ar	1.15	0.14
SMO/MVB	Ar 2	rhyolite	whole-rock	K-Ar	1.14	0.08
SMO/MVB	*O	basalt		K-Ar	1.10	0.60
SMO/MVB	Ar 10	basalt	whole-rock	K-Ar	1.10	0.60
SMO/MVB	Ped Jal 4	alkali basalt	whole-rock	K-Ar	1.09	0.70
SMO/MVB	CHP 666	dacite		K-Ar	1.07	0.42
SMO/MVB	KR 313	alkali basalt	groundmass	$^{40}\text{Ar}/^{39}\text{Ar}$	1.05	0.22
SMO/MVB	KR 396	alkali basalt	groundmass	K-Ar	1.05	0.22
SMO/MVB	AZ 122	obsidian	whole-rock	K-Ar	1.04	0.12
SMO/MVB		andesite	whole-rock	K-Ar	1.03	0.40
SMO/MVB		rhyolite	glass	K-Ar	1.03	0.04
SMO/MVB		rhyolite	whole-rock	K-Ar	1.00	0.40
SMO/MVB		rhyolite	whole-rock	K-Ar	1.00	0.40
SMO/MVB	Ar 11	basaltic andesite	whole-rock	K-Ar	1.00	0.60
SMO/MVB	Hz 34	andesite	plagioclase	K-Ar	0.99	0.20
SMO/MVB	M 211a	andesite	whole-rock	K-Ar	0.99	0.02
SMO/MVB	Jal 5	alkali basalt	whole-rock	K-Ar	0.97	0.40
SMO/MVB	LTX-54	alkali basalt	whole-rock	K-Ar	0.96	0.18
SMO/MVB	M 238	andesite	plagioclase	K-Ar	0.95	0.34
SMO/MVB	634	basalt	whole-rock	K-Ar	0.93	0.10
SMO/MVB	TUX-107	alkali basalt	whole-rock	K-Ar	0.93	0.38
SMO/MVB	Ped Jal 5	alkali basalt	whole-rock	K-Ar	0.91	0.44
SMO/MVB	LG 4	dacite	whole-rock	K-Ar	0.90	0.14
SMO/MVB	Tep 2	alkali basalt	whole-rock	K-Ar	0.90	0.20
SMO/MVB	Ar 08	andesite	amphibole	K-Ar	0.90	0.40
SMO/MVB	RGS 15	alkali basalt	groundmass	K-Ar	0.88	0.06
SMO/MVB	TUX-73	alkali basalt	whole-rock	K-Ar	0.87	0.08
SMO/MVB	N 340	andesite	whole-rock	K-Ar	0.87	0.10
SMO/MVB	Mex 219	basaltic andesite	whole-rock	K-Ar	0.87	0.20
SMO/MVB		rhyolite	glass	K-Ar	0.84	0.04
SMO/MVB	AZ 74	basic andesite	whole-rock	K-Ar	0.81	0.16
SMO/MVB	NT 01	basalt	whole-rock	K-Ar	0.80	0.12

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	AZ 124	basic andesite	whole-rock	K-Ar	0.79	0.12
SMO/MVB	Ar 04	andesite	groundmass	K-Ar	0.79	0.32
SMO/MVB	Ar 12	andesite	groundmass	K-Ar	0.78	0.32
SMO/MVB	Lir 11	ignimbrite	whole-rock	K-Ar	0.77	0.12
SMO/MVB	AZ 157	rhyolite	whole-rock	K-Ar	0.76	0.12
SMO/MVB	Mex 211	andesite	whole-rock	K-Ar	0.76	0.30
SMO/MVB	Mex 222	basaltic andesite	whole-rock	K-Ar	0.75	0.20
SMO/MVB	Ar 03	andesite	groundmass	K-Ar	0.75	0.40
SMO/MVB	LV-167	alkali basalt	groundmass	K-Ar	0.67	0.08
SMO/MVB	Hz 26	dacite	groundmass	K-Ar	0.67	0.14
SMO/MVB	KR-102	alkali basalt	groundmass	K-Ar	0.65	0.12
SMO/MVB	A 27	alkali andesite	whole-rock	K-Ar	0.65	0.44
SMO/MVB	MAS-326	alkali basalt	groundmass	K-Ar	0.64	0.20
SMO/MVB	624	dacite	whole-rock	K-Ar	0.63	0.06
SMO/MVB	Ar 06	andesite	groundmass	K-Ar	0.61	0.20
SMO/MVB	AZ 130	andesite	whole-rock	K-Ar	0.60	0.10
SMO/MVB	LG 10	dacite	whole-rock	K-Ar	0.58	0.24
SMO/MVB	R 12	andesite	plagioclase	K-Ar	0.58	0.22
SMO/MVB	HKA 929	basalt	whole-rock	K-Ar	0.58	0.18
SMO/MVB	Hz 37	dacite	groundmass	K-Ar	0.58	0.20
SMO/MVB	B 31	alkali andesite	whole-rock	K-Ar	0.58	0.08
SMO/MVB	NT 10	basalt	groundmass	K-Ar	0.57	0.24
SMO/MVB		ignimbrite	whole-rock	K-Ar	0.56	0.40
SMO/MVB	HKA 974			K-Ar	0.56	0.14
SMO/MVB		obsidian	an	K-Ar	0.55	0.08
SMO/MVB	HKA 1023			K-Ar	0.55	0.12
SMO/MVB	Mex 232	andesite	whole-rock	K-Ar	0.54	0.40
SMO/MVB	974	andesite	groundmass	K-Ar	0.54	0.14
SMO/MVB	929	andesite	groundmass	K-Ar	0.54	0.16
SMO/MVB	Co 119	andesite	whole-rock	K-Ar	0.53	0.20
SMO/MVB	KA 2956	basalt	whole-rock	K-Ar	0.53	0.20
SMO/MVB	Ar 01	andesite	groundmass	K-Ar	0.53	0.32
SMO/MVB	1023	andesite	groundmass	K-Ar	0.53	0.12
SMO/MVB		dacite	whole-rock	K-Ar	0.50	0.20
SMO/MVB	95-U2a	andesite	whole-rock	K-Ar	0.49	0.14
SMO/MVB	198	minette	whole-rock	K-Ar	0.48	0.04
SMO/MVB	TUX-72	alkali basalt	whole-rock	K-Ar	0.45	0.14
SMO/MVB	95-J2	ignimbrite	whole-rock	K-Ar	0.45	0.18
SMO/MVB	P 6	dacite	plagioclase	K-Ar	0.41	0.28
SMO/MVB	NT 25	basalt	whole-rock	$^{40}\text{Ar}/^{39}\text{Ar}$	0.40	0.20
SMO/MVB	Co 70	andesite	whole-rock	K-Ar	0.37	0.10
SMO/MVB	LTX-37	alkali basalt	whole-rock	K-Ar	0.37	0.04

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO/MVB	455	rhyodacite	whole-rock	K-Ar	0.36	0.16
SMO/MVB	Iz 1	dacite	plagioclase	K-Ar	0.34	0.08
SMO/MVB	141	minette	phlogopite	K-Ar	0.33	0.24
SMO/MVB	318	kersanite	groundmass	K-Ar	0.33	0.24
SMO/MVB		dacite	plagioclase	K-Ar	0.33	0.14
SMO/MVB		dacite	whole-rock	K-Ar	0.32	0.20
SMO/MVB		rhyolite	biotite	K-Ar	0.30	0.14
SMO/MVB	SN-307	alkali basalt	whole-rock	K-Ar	0.29	0.06
SMO/MVB	Co 56	andesite	whole-rock	K-Ar	0.29	0.16
SMO/MVB	IZ 620	andesite	whole-rock	K-Ar	0.27	0.04
SMO/MVB	N 3	andesite	whole-rock	K-Ar	0.24	0.04
SMO/MVB	506	andesite	whole-rock	K-Ar	0.22	0.06
SMO/MVB	CA-84-1	basalt	whole-rock	K-Ar	0.22	0.04
SMO/MVB		andesite	whole-rock	K-Ar	0.21	0.02
SMO/MVB	HKA 988			K-Ar	0.18	0.06
SMO/MVB	988	andesite	groundmass	K-Ar	0.17	0.06
SMO/MVB	XX	rhyolite		K-Ar	0.15	0.04
SMO/MVB		rhyolite	biotite	K-Ar	0.15	0.10
SMO/MVB	Co 45	andesite	whole-rock	K-Ar	0.14	0.08
SMO/MVB		rhyolite	gl	K-Ar	0.14	0.04
SMO/MVB		rhyolite	gl	K-Ar	0.10	0.02
SMO/MVB	Co 113	pyroclastic	whole-rock	K-Ar	0.08	0.06
SMO/MVB	Iz 254	dacite	whole-rock	K-Ar	0.08	0.04
SMO/MVB	909	andesite	groundmass	K-Ar	0.06	0.02
Baja California	99-122	ADAKITE	FELDSPAR	K-AR	10.10	1.20
Baja California	99-120	ADAKITE	WHOLE ROCK	K-AR	11.00	1.60
Baja California	99-149	BASALT	WHOLE ROCK	K-AR	10.20	1.00
Baja California	99-114	BASALT	WHOLE ROCK	K-AR	11.20	2.00
Baja California	99-110	ADAKITE		K-AR	8.68	0.62
Baja California	99-119	ADAKITE	FELDSPAR	K-AR	9.61	0.42
Baja California	99-113	ADAKITE	WHOLE ROCK	K-AR	10.10	1.00
Baja California	99-131	BASALT	WHOLE ROCK	K-AR	9.47	0.58
Baja California	99-118	BASALT	WHOLE ROCK	K-AR	10.60	0.60
SMO	CO 1	IGNIMBRITE	PLAGIOCLASE	K-AR	23.50	1.80
SMO	TS 28 2nd	RHYOLITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	18.30	0.80
SMO	TS 28	RHYOLITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	19.00	4.00
SMO	Gdl 228 all	IGNIMBRITE		$^{40}\text{Ar}/^{39}\text{Ar}$	20.00	0.60
SMO	TSS 1	IGNIMBRITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	20.60	0.40
SMO	ESC 1 3rd	GRANODIORITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	20.00	4.00
SMO	TS 26 all	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	19.90	0.80
SMO	TS 26 1st	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	20.00	1.20

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	ESC-2	IGNIMBRITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	20.90	0.80
SMO	ESC-3	IGNIMBRITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	21.10	1.40
SMO	TS 22	IGNIMBRITE	PLAGIOCLASE	$^{40}\text{Ar}/^{39}\text{Ar}$	23.50	0.80
SMO	TS 11 1st	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	27.80	1.60
SMO	TS 10	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	28.60	0.60
SMO	ES 2	IGNIMBRITE	BIOTITE	K-AR	30.10	1.60
SMO	TS 28 all	RHYOLITE	FELDSPAR & BIOT	$^{40}\text{Ar}/^{39}\text{Ar}$	17.00	2.00
SMO	TS 28 1st	RHYOLITE	BIOTITE	$^{40}\text{Ar}/^{39}\text{Ar}$	19.00	1.20
SMO	Gdl 228	IGNIMBRITE		$^{40}\text{Ar}/^{39}\text{Ar}$	20.00	0.60
SMO	Gdl 228 2nd	IGNIMBRITE		$^{40}\text{Ar}/^{39}\text{Ar}$	19.80	0.80
SMO	Gdl 228 1st	IGNIMBRITE		$^{40}\text{Ar}/^{39}\text{Ar}$	20.10	1.20
SMO	ESC 1 all	GRANODIORITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	20.00	4.00
SMO	ESC 1 2nd	GRANODIORITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	22.00	2.00
SMO	ESC 1 1st	GRANODIORITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	17.00	18.00
SMO	TS 26 2nd	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	19.90	0.80
SMO	TE 46	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	21.00	0.40
SMO	ESC-4	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	21.20	0.60
SMO	TS 25	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	21.10	0.60
SMO	TS 21	BASALTIC-ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	21.30	0.60
SMO	TS 11 all	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	28.00	4.00
SMO	TS 11 2nd	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	27.60	1.60
SMO	TS 15	RHYOLITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	27.90	0.40
SMO	TS 5	IGNIMBRITE	FELDSPAR	$^{40}\text{Ar}/^{39}\text{Ar}$	31.00	1.40
SMO	TS 56	IGNIMBRITE	SANIDINE	$^{40}\text{Ar}/^{39}\text{Ar}$	31.50	0.60
SMO/MVB	ZA06	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	29.30	5.86
SMO/MVB	HP13	BASALT		$^{40}\text{Ar}/^{39}\text{Ar}$	9.00	1.80
SMO/MVB	VA01	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	9.00	1.80
SMO/MVB	ZA10	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	9.00	1.80
SMO/MVB	ZA09	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	10.00	2.00
SMO/MVB	ZA08	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	9.60	0.20
SMO/MVB	ZA02	ANDESITE		$^{40}\text{Ar}/^{39}\text{Ar}$	10.00	2.00
SMO/MVB	ZA07	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	10.50	0.60
SMO/MVB	ZA01	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	28.10	0.60
SMO/MVB	ZA03	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	29.00	5.80
SMO/MVB	ZA05	DACITE		$^{40}\text{Ar}/^{39}\text{Ar}$	29.90	0.60
Baja California	82BSJ131	BASALT	WHOLE ROCK	K-AR	8.52	0.52
Baja California	82BSJ124	BASALT	WHOLE ROCK	K-AR	7.65	0.46
Baja California	82BMS585	BASALT	WHOLE ROCK	K-AR	3.59	0.24

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Baja California	79BMS071	ANDESITE	WHOLE ROCK	K-AR	10.70	0.60
Baja California	82BSJ135	BASALT	WHOLE ROCK	K-AR	0.88	0.35
Baja California	82BSJ129	BASALT	WHOLE ROCK	K-AR	8.93	0.50
Baja California	82BSJ125	BASALT	WHOLE ROCK	K-AR	0.67	0.13
Baja California	82BSJ121	BASALT	WHOLE ROCK	K-AR	2.78	0.20
Baja California	81BMS405	BASALT	WHOLE ROCK	K-AR	2.99	0.24
Baja California	82BSJ147	BASALT	WHOLE ROCK	K-AR	5.70	0.40
Baja California	82BSJ146	BASALT	WHOLE ROCK	K-AR	6.48	0.46
Baja California	82BMS591	BASALT	WHOLE ROCK	K-AR	9.72	0.58
Baja California	80BMS361	BASALT	WHOLE ROCK	K-AR	10.10	0.80
Baja California	82BSJ119	ANDESITE	WHOLE ROCK	K-AR	10.80	0.60
Baja California	82BSJ116	ANDESITE	WHOLE ROCK	K-AR	11.00	0.60
Baja California	82BSJ104B	ANDESITE	WHOLE ROCK	K-AR	12.50	0.80
Baja California	82BSJ104B	ANDESITE	WHOLE ROCK	K-AR	12.30	0.80
Baja California	83BMS683	ANDESITE	WHOLE ROCK	K-AR	10.30	2.06
Baja California	80BMS345	ANDESITE	WHOLE ROCK	K-AR	11.60	0.60
Baja California	80BMS345	ANDESITE	WHOLE ROCK	K-AR	11.40	0.80
Baja California	83BMS684	ANDESITE	WHOLE ROCK	K-AR	11.20	2.24
Baja California	83BMS665	ANDESITE	WHOLE ROCK	K-AR	14.00	2.80
Baja California	82BSJ106	ANDESITE	HORNBLENDE	K-AR	19.90	1.20
Baja California	82BMS559	ANDESITE	WHOLE ROCK	K-AR	15.30	1.00
Baja California	82BMS559	ANDESITE	WHOLE ROCK	K-AR	17.80	1.40
Baja California	80BMS352	ANDESITE	WHOLE ROCK	K-AR	13.00	0.80
Baja California	80BMS352	ANDESITE	WHOLE ROCK	K-AR	12.80	0.80
Baja California	80BMS278	ANDESITE	WHOLE ROCK	K-AR	13.90	0.80
Baja California	80BMS278	ANDESITE	WHOLE ROCK	K-AR	12.90	0.80
Baja California	83BMS669	BASALT	WHOLE ROCK	K-AR	4.52	0.90
Baja California	82BSJ143	BASALT	WHOLE ROCK	K-AR	3.43	0.20
Baja California	383-5-3	RHYOLITE	SANIDINE	K-AR	28.00	1.40
Baja California	HM-3-13	RHYOLITE		K-AR	27.20	1.20
Baja California	482-26-7	RHYOLITE	BIOTITE	K-AR	25.30	0.60
Baja California	28-3-16	RHYOLITE		K-AR	23.90	0.80
Baja California	28-3-8	RHYOLITE	BIOTITE	K-AR	23.40	0.60
Baja California	260	RHYOLITE	BIOTITE	K-AR	25.50	0.80
Baja California	582-3-1	ANDESITE	HORNBLENDE	K-AR	19.40	1.80
Baja California	383-11-1	BASALT	WHOLE ROCK	K-AR	14.50	2.40
Baja California		394 RHYOLITE	BIOTITE	K-AR	25.00	1.20
Baja California		238 RHYOLITE	PLAGIOCLASE	K-AR	23.20	3.20
Baja California	Bj4	RHYOLITE	BIOTITE	K-AR	22.00	0.80
Baja California		317 RHYOLITE	BIOTITE	K-AR	20.30	1.00
Baja California	Bj3	ANDESITE	PLAGIOCLASE	K-AR	18.60	4.80
Baja California		429 ANDESITE	WHOLE ROCK	K-AR	20.30	0.80

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
Baja California		266 RHYOLITE		K-AR	20.60	0.40
Baja California	119B	RHYOLITE		K-AR	18.70	2.20
Baja California		45 RHYOLITE		K-AR	20.00	0.80
Baja California		45 RHYOLITE	BIOTITE	K-AR	19.80	0.60
Baja California		45 RHYOLITE	PLAGIOCLASE	K-AR	18.00	1.20
Baja California		383 RHYODACITE		K-AR	19.70	0.40
Baja California		239 RHYODACITE	PLAGIOCLASE	K-AR	19.20	1.00
Baja California		3 RHYODACITE	PLAGIOCLASE	K-AR	19.10	2.40
Baja California	292A	RHYOLITE	BIOTITE	K-AR	21.20	0.20
Baja California		286 ANDESITE	WHOLE ROCK	K-AR	16.50	0.60
Baja California	57B	ANDESITE	PLAGIOCLASE	K-AR	23.90	1.40
Baja California	57A	ANDESITE	WHOLE ROCK	K-AR	22.70	3.40
Baja California		425 PYROCLASTIC FALL	BIOTITE	K-AR	21.80	0.40
Baja California		178 RHYOLITE		K-AR	21.50	0.80
Baja California		38 RHYOLITE	BIOTITE	K-AR	21.00	0.80
Baja California	Bj2	RHYOLITE	BIOTITE	K-AR	18.00	1.00
Baja California		28 RHYOLITE		K-AR	16.40	1.20
Baja California	Bj1	RHYOLITE	PLAGIOCLASE	K-AR	17.20	1.20
Baja California		162 ANDESITE	PLAGIOCLASE	K-AR	12.50	2.80
Baja California		443 BASALT	WHOLE ROCK	K-AR	4.20	0.20
Baja California		438 BASALT	WHOLE ROCK	K-AR	3.70	0.20
Baja California		401 BASALT	WHOLE ROCK	K-AR	5.40	0.20
Baja California	383-10-1A	BASALT	WHOLE ROCK	K-AR	12.40	0.80
Baja California	383-10-1B	BASALT	WHOLE ROCK	K-AR	11.10	1.60
Baja California	383-9-1	BASALT	WHOLE ROCK	K-AR	8.30	0.60
Baja California	383-8-1	BASALT	WHOLE ROCK	K-AR	0.87	0.26
Baja California	383-16-1	BASALT	WHOLE ROCK	K-AR	0.47	0.18
SMO	SO 60	BASALT		K-AR	8.90	0.89
SMO	SO 48	BASALT		K-AR	27.50	2.75
SMO	SO 41	BASALT		K-AR	27.70	2.77
SMO	SO 40	BASALT		K-AR	17.10	1.71
SMO	SO 28			K-AR	23.50	2.35
SMO	SO 14			K-AR	14.40	1.44
SMO	SO 106	DACITE		K-AR	28.70	2.87
SMO	4RSRB			K-AR	31.50	3.15
SMO	ECD			K-AR	30.50	3.05
SMO	PC-1			K-AR	32.00	3.20
SMO	I133			K-AR	31.00	3.10
SMO	D53D			K-AR	27.00	2.70
SMO	RND	RHYOLITE		K-AR	34.70	3.47
SMO	I 532	ANDESITE		K-AR	30.00	3.00
SMO	PLM	ANDESITE		K-AR	31.00	3.10

Arc	Sample #	Rock type	Material analyzed	Method	Age (Ma)	$\pm 2\sigma$
SMO	DZ 31	RHYOLITE		K-AR	29.80	2.98
SMO	W 300			K-AR	35.00	3.50
SMO	W 200			K-AR	32.60	3.26
SMO	J369			K-AR	30.60	3.06
SMO	Per			K-AR	42.30	4.23
SMO	I521	RHYOLITE		K-AR	31.40	3.14
SMO	M61	BASALT		K-AR	8.50	0.85
SMO	M60	DACITE		K-AR	15.30	1.53
SMO	M58	DACITE		K-AR	18.80	1.88
SMO	M56			K-AR	11.80	1.18
SMO	M53			K-AR	12.30	1.23
SMO	M51	GRANITE		$^{40}\text{Ar}/^{39}\text{Ar}$	14.40	1.44
SMO	M48			K-AR	11.50	1.15
SMO	M38			K-AR	12.20	1.22
SMO	M35	ANDESITE		K-AR	22.70	2.27
SMO	M28	BASALT		K-AR	10.30	1.03
SMO	M21	BASALT		K-AR	10.10	1.01
SMO	CH97-5	TUFF		K-AR	30.00	3.00
SMO	CH97-3	TUFF		K-AR	46.00	4.60
SMO	MEX-3	TUFF		K-AR	45.70	4.57
SMO	CM-44	TUFF		K-AR	29.60	2.96
SMO	SGD 12	ANDESITE		K-AR	29.40	2.94
SMO	SGD 5	RHYOLITE		K-AR	36.50	3.65
SMO	SGD 2	RHYOLITE		K-AR	37.90	3.79
SMO	CM-636	DIORITE		K-AR	37.00	3.70
SMO	CM-38	ANDESITE		K-AR	53.00	5.30
SMO	UAKA 78-15	DACITE	BIOTITE	K-AR	51.60	2.20
SMO	UAKA 76-59	BASALT		K-AR	6.88	3.98
SMO	UAKA 76-60	ANDESITE		K-AR	34.90	1.60
SMO	UAKA 76-47	ANDESITE		K-AR	29.20	1.20
SMO	UAKA 76-49	DIABASE		K-AR	37.20	1.60

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