Relative Abundances		36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D08541	1.8 %	0.0147897	2.753	9.6774	1.108	0.0703850	34.483	0.086478	24.580	3.7945	1.891	2.31935 ± 3.72127	6.91 ± 11.06	4.89	0.30	0.0036 ± 0.0019
16D08543	2.0 %	0.1365942	0.565	57.9915	0.354	0.0081411	300.473	0.307657	7.267	38.8665	0.186	11.41743 ± 2.61057	33.76 ± 7.65	7.89	1.02	0.0020 ± 0.0003
16D08544	2.4 %	0.1762393	0.478	105.1618	0.312	0.0785296	32.055	0.406581	5.351	48.5307	0.150	14.08931 ± 2.40155	41.56 ± 7.00	9.74	1.27	0.0014 ± 0.0002
16D08545	2.8 %	0.1030328	0.687	128.2003	0.303	0.0471717	52.650	0.410457	5.471	25.1488	0.286	14.79214 ± 2.47557	43.61 ± 7.21	19.05	1.23	0.0011 ± 0.0002
16D08547	3.2 %	0.0524913	0.980	105.7420	0.308	0.0311358	75.711	0.283577	7.675	11.0330	0.650	18.11387 ± 4.05261	53.26 ± 11.74	34.83	0.81	0.0009 ± 0.0002
16D08548	3.6 %	0.3637879	0.394	296.5946	0.293	0.0931839	25.107	0.839299	2.784	94.4768	0.078	16.14435 ± 1.81116	47.55 ± 5.26	10.92	2.43	0.0009 ± 0.0001
16D08549	4.0 %	0.0950918	0.666	281.1202	0.293	0.0442678	56.137	0.660924	3.438	15.3403	0.472	19.87521 ± 2.13244	58.36 ± 6.16	61.02	1.79	0.0007 ± 0.0001
16D08551	4.5 %	0.1722557	0.462	461.2311	0.291	0.0666415	35.833	1.129201	1.972	30.5172	0.237	19.45719 ± 1.26897	57.15 ± 3.67	52.13	3.11	0.0008 ± 0.0000
16D08552	5.2 %	0.1255827	0.579	400.2936	0.292	0.0209717	140.768	0.960786	2.218	19.1653	0.374	19.63182 ± 1.42568	57.66 ± 4.12	70.72	2.62	0.0007 ± 0.0000
16D08553	6.1 %	0.2241400	0.465	711.0927	0.291	0.0490818	51.558	1.776028	1.233	36.7162	0.198	20.40340 ± 0.91453	59.89 ± 2.64	72.00	4.92	0.0008 ± 0.0000
16D08555	7.3 %	0.3486309	0.380	1101.9049	0.291	0.0712087	32.705	2.977879	0.713	58.5710	0.124	18.91829 ± 0.59182	55.59 ± 1.71	72.14	8.49	0.0009 ± 0.0000
16D08556	8.5 %	0.4017059	0.365	1240.0093	0.290	0.0841645	29.979	3.670896	0.615	75.7368	0.096	19.27196 ± 0.51483	56.62 ± 1.49	72.09	10.76	0.0010 ± 0.0000
16D08557	9.7 %	0.3719101	0.379	1075.1262	0.291	0.0801906	31.137	3.731264	0.643	81.7541	0.089	18.78481 ± 0.46728	55.21 ± 1.35	69.04	11.42	0.0012 ± 0.0000
16D08559	11.0 %	0.3070893	0.419	838.0193	0.291	0.0645665	37.379	3.585669	0.629	79.8381	0.091	18.22380 ± 0.41089	53.58 ± 1.19	68.92	11.47	0.0015 ± 0.0000
16D08560	12.4 %	0.2869609	0.404	658.9659	0.291	0.0758114	32.680	3.039317	0.738	81.8006	0.089	18.83062 ± 0.45138	55.34 ± 1.31	59.72	9.86	0.0017 ± 0.0000
16D08561	14.0 %	0.1884673	0.488	451.9009	0.292	0.0525942	47.228	2.043046	1.105	54.5702	0.132	19.81441 ± 0.62986	58.18 ± 1.82	63.10	6.60	0.0017 ± 0.0000
16D08563	15.8 %	0.1064381	0.654	260.8080	0.294	0.0196025	126.584	1.181489	1.888	34.2843	0.210	23.22855 ± 1.13177	68.02 ± 3.25	68.11	3.82	0.0017 ± 0.0001
16D08564	18.0 %	0.4342587	0.373	570.5347	0.291	0.0747057	31.190	2.554512	0.935	142.4513	0.052	27.20808 ± 0.77032	79.42 ± 2.20	41.43	8.24	0.0016 ± 0.0000
16D08566	20.5 %	0.1919656	0.497	519.4332	0.292	0.0465986	51.386	1.836975	1.258	57.8594	0.125	28.26490 ± 0.99560	82.44 ± 2.84	72.59	5.65	0.0012 ± 0.0000
16D08567	22.5 %	0.1026895	0.657	302.7679	0.293	0.0545053	45.145	0.868328	2.663	28.1340	0.255	32.56019 ± 2.38398	94.65 ± 6.75	76.82	2.52	0.0009 ± 0.0001
16D08569	24.5 %	0.0705062	0.852	197.0967	0.296	0.0572541	42.160	0.571325	4.038	18.1397	0.397	29.24573 ± 3.21941	85.23 ± 9.17	70.64	1.66	0.0010 ± 0.0001
	Σ	4.2746281	0.109	9773.6723	0.080	1.0499422	10.766	32.921687	0.313	1036.7290	0.032					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-06**
Material = **Plagioclase**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A24-15)**
Position = **X: 0 | Y: 0 | Z/H: 42.2 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.52413 ± 0.01419**
FCT-NM J-value = **0.00165027 ± 0.00000246**
Air Shot 40Ar/36Ar = **304.7450 ± 0.4175**
Air Shot MDF = **0.99240599 ± 0.00066447 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **1.50 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **No Age**
Age Classification = Undefined
IGSN = **IESS10071**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **30°48.4'S - 1°16.2'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **36Ar**
Decay 40K = **5.530 ± 0.048 E-10 1/a**
Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
Atmospheric 40/36(a) = **295.50**
Atmospheric 38/36(a) = **0.1869**
Production 39/37(ca) = **0.0006756 ± 0.0000089**
Production 38/37(ca) = **0.0000718 ± 0.0000092**
Production 36/37(ca) = **0.0002663 ± 0.0000004**
Production 40/39(k) = **0.003823 ± 0.000102**
Production 38/39(k) = **0.012031 ± 0.000019**
Production 36/38(cl) = **262.80 ± 1.71**
Scaling Ratio K/Ca = **0.430**
Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau						
Cannot Calculate						
Total Fusion Age		20.61616 ± 0.20433 ± 0.99%	**60.50 ± 0.62 ± 1.02%**		21	0.0012 ± 0.0000
			Full External Error ± 1.49			
			Analytical Error ± 0.59			
Normal Isochron						
Cannot Calculate						
Inverse Isochron						
Cannot Calculate						

Notes
Age drops slightly then rises at high-T, resulting in only a small low-T plateau.

Incremental Heating		36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D08541	1.8 %	0.0122126	9.6774	0.0000000	0.079940	0.18541	6.91 ± 11.06	4.89	0.30	0.0036 ± 0.0019
16D08543	2.0 %	0.1211510	57.9915	0.0000000	0.268478	3.06533	33.76 ± 7.65	7.89	1.02	0.0020 ± 0.0003
16D08544	2.4 %	0.1482301	105.1618	0.0392379	0.335533	4.72744	41.56 ± 7.00	9.74	1.27	0.0014 ± 0.0002
16D08545	2.8 %	0.0688905	128.2003	0.0211951	0.323845	4.79036	43.61 ± 7.21	19.05	1.23	0.0011 ± 0.0002
16D08547	3.2 %	0.0243303	105.7420	0.0164440	0.212138	3.84264	53.26 ± 11.74	34.83	0.81	0.0009 ± 0.0002
16D08548	3.6 %	0.2848035	296.5946	0.0109718	0.638920	10.31494	47.55 ± 5.26	10.92	2.43	0.0009 ± 0.0001
16D08549	4.0 %	0.0202277	281.1202	0.0146363	0.470999	9.36121	58.36 ± 6.16	61.02	1.79	0.0007 ± 0.0001
16D08551	4.5 %	0.0494282	461.2311	0.0144505	0.817593	15.90807	57.15 ± 3.67	52.13	3.11	0.0008 ± 0.0000
16D08552	5.2 %	0.0189845	400.2936	0.0000000	0.690347	13.55278	57.66 ± 4.12	70.72	2.62	0.0007 ± 0.0000
16D08553	6.1 %	0.0347760	711.0927	0.0000000	1.295614	26.43494	59.89 ± 2.64	72.00	4.92	0.0008 ± 0.0000
16D08555	7.3 %	0.0551936	1101.9049	0.0000000	2.233432	42.25271	55.59 ± 1.71	72.14	8.49	0.0009 ± 0.0000
16D08556	8.5 %	0.0714915	1240.0093	0.0000000	2.833146	54.60028	56.62 ± 1.49	72.09	10.76	0.0010 ± 0.0000
16D08557	9.7 %	0.0856040	1075.1262	0.0000000	3.004909	56.44665	55.21 ± 1.35	69.04	11.42	0.0012 ± 0.0000
16D08559	11.0 %	0.0839248	838.0193	0.0000000	3.019503	55.02683	53.58 ± 1.19	68.92	11.47	0.0015 ± 0.0000
16D08560	12.4 %	0.1114783	658.9659	0.0000000	2.594119	48.84889	55.34 ± 1.31	59.72	9.86	0.0017 ± 0.0000
16D08561	14.0 %	0.0681261	451.9009	0.0000000	1.737741	34.43231	58.18 ± 1.82	63.10	6.60	0.0017 ± 0.0000
16D08563	15.8 %	0.0369850	260.8080	0.0000000	1.005287	23.35135	68.02 ± 3.25	68.11	3.82	0.0017 ± 0.0001
16D08564	18.0 %	0.2823253	570.5347	0.0000000	2.169059	59.01593	79.42 ± 2.20	41.43	8.24	0.0016 ± 0.0000
16D08566	20.5 %	0.0536406	519.4332	0.0000000	1.486045	42.00293	82.44 ± 2.84	72.59	5.65	0.0012 ± 0.0000
16D08567	22.5 %	0.0220600	302.7679	0.0206577	0.663778	21.61273	94.65 ± 6.75	76.82	2.52	0.0009 ± 0.0001
16D08569	24.5 %	0.0180153	197.0967	0.0344639	0.438166	12.81449	85.23 ± 9.17	70.64	1.66	0.0010 ± 0.0001
	Σ	1.6718787	9773.6723	0.1720572	26.318594	542.58822				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-06**
Material = **Plagioclase**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A24-15)**
J = **0.00165027 ± 0.00000246**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau					
Cannot Calculate					
Total Fusion Age	20.61616 ± 0.20433 ± 0.99%	**60.50 ± 0.62 ± 1.02%**		21	0.0012 ± 0.0000
		Full External Error ± 1.49			
		Analytical Error ± 0.59			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D08541	1.8 %	6.55 ± 3.51	310.68 ± 23.86	0.1085
16D08543	2.0 %	2.22 ± 0.37	320.80 ± 4.27	0.0735
16D08544	2.4 %	2.26 ± 0.29	327.39 ± 3.87	0.0850
16D08545	2.8 %	4.70 ± 0.66	365.04 ± 7.88	0.1429
16D08547	3.2 %	8.72 ± 1.83	453.44 ± 20.37	0.1962
16D08548	3.6 %	2.24 ± 0.17	331.72 ± 3.43	0.1360
16D08549	4.0 %	23.28 ± 2.75	758.29 ± 51.46	0.5635
16D08551	4.5 %	16.54 ± 1.09	617.34 ± 22.45	0.5405
16D08552	5.2 %	36.36 ± 3.84	1009.38 ± 86.15	0.8020
16D08553	6.1 %	37.26 ± 2.91	1055.65 ± 73.78	0.8911
16D08555	7.3 %	40.47 ± 2.55	1061.04 ± 62.99	0.9417
16D08556	8.5 %	39.63 ± 2.14	1059.23 ± 53.98	0.9431
16D08557	9.7 %	35.10 ± 1.52	954.89 ± 37.82	0.9157
16D08559	11.0 %	35.98 ± 1.39	951.17 ± 33.57	0.9115
16D08560	12.4 %	23.27 ± 0.68	733.69 ± 17.07	0.7891
16D08561	14.0 %	25.51 ± 1.01	800.92 ± 23.64	0.7408
16D08563	15.8 %	27.18 ± 1.62	926.87 ± 36.94	0.6603
16D08564	18.0 %	7.68 ± 0.20	504.54 ± 6.08	0.4684
16D08566	20.5 %	27.70 ± 1.40	1078.54 ± 42.60	0.7773
16D08567	22.5 %	30.09 ± 2.89	1275.23 ± 84.10	0.6817
16D08569	24.5 %	24.32 ± 3.07	1006.81 ± 70.38	0.5458

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron				
Cannot Calculate				

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D08541	1.8 %	0.0210687 ± 0.0112328	0.00321873 ± 0.00024718	0.0349
16D08543	2.0 %	0.0069079 ± 0.0011511	0.00311719 ± 0.00004151	0.0062
16D08544	2.4 %	0.0069140 ± 0.0008978	0.00305444 ± 0.00003615	0.0059
16D08545	2.8 %	0.0128778 ± 0.0017899	0.00273946 ± 0.00005912	0.0109
16D08547	3.2 %	0.0192289 ± 0.0039575	0.00220538 ± 0.00009908	0.0183
16D08548	3.6 %	0.0067629 ± 0.0004980	0.00301461 ± 0.00003118	0.0032
16D08549	4.0 %	0.0307070 ± 0.0029961	0.00131875 ± 0.00008949	0.0135
16D08551	4.5 %	0.0267940 ± 0.0014912	0.00161985 ± 0.00005891	0.0111
16D08552	5.2 %	0.0360256 ± 0.0022726	0.00099070 ± 0.00008456	0.0104
16D08553	6.1 %	0.0352920 ± 0.0012521	0.00094728 ± 0.00006621	0.0063
16D08555	7.3 %	0.0381376 ± 0.0008079	0.00094247 ± 0.00005595	0.0049
16D08556	8.5 %	0.0374131 ± 0.0006713	0.00094408 ± 0.00004811	0.0040
16D08557	9.7 %	0.0367606 ± 0.0006377	0.00104724 ± 0.00004148	0.0046
16D08559	11.0 %	0.0378258 ± 0.0006009	0.00105134 ± 0.00003710	0.0059
16D08560	12.4 %	0.0317166 ± 0.0005710	0.00136297 ± 0.00003171	0.0076
16D08561	14.0 %	0.0318480 ± 0.0008454	0.00124856 ± 0.00003685	0.0089
16D08563	15.8 %	0.0293254 ± 0.0013146	0.00107890 ± 0.00004300	0.0099
16D08564	18.0 %	0.0152275 ± 0.0003434	0.00198202 ± 0.00002387	0.0039
16D08566	20.5 %	0.0256863 ± 0.0008179	0.00092718 ± 0.00003662	0.0049
16D08567	22.5 %	0.0235956 ± 0.0016600	0.00078417 ± 0.00005171	0.0056
16D08569	24.5 %	0.0241574 ± 0.0025591	0.00099323 ± 0.00006944	0.0085

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron				
Cannot Calculate				

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
16D08541	1.8 %		0.0122126	3.34	0.0000000	0.00	0.0025771	1.12	0.0000000	0.00	9.6774	1.11	0.0022825	3.34	0.0000000	0.00	0.0009618	26.59	0.0006948	12.87	0.0000000	0.00	0.079940	26.59	0.0065380	1.72	0.18541	75.69	3.60883	3.34	0.0000000	0.00	0.0003056	26.72
16D08543	2.0 %		0.1211510	0.64	0.0000000	0.00	0.0154431	0.38	0.0000000	0.00	57.9915	0.35	0.0226431	0.64	0.0000000	0.00	0.0032301	8.33	0.0041638	12.82	0.0000000	0.00	0.268478	8.33	0.0391790	1.37	3.06533	7.83	35.80013	0.64	0.0000000	0.00	0.0010264	8.74
16D08544	2.4 %		0.1482301	0.57	0.0000000	0.00	0.0280046	0.35	0.0000047	64.21	105.1618	0.31	0.0277042	0.57	0.0000000	0.00	0.0040368	6.49	0.0075506	12.82	0.0392379	64.22	0.335533	6.49	0.0710473	1.36	4.72744	5.52	43.80199	0.57	0.0000000	0.00	0.0012827	7.01
16D08545	2.8 %		0.0688905	1.04	0.0000000	0.00	0.0341397	0.34	0.0000025	117.33	128.2003	0.30	0.0128756	1.04	0.0000000	0.00	0.0038962	6.95	0.0092048	12.82	0.0211951	117.33	0.323845	6.94	0.0866121	1.35	4.79036	4.67	20.35715	1.04	0.0000000	0.00	0.0012381	7.44
16D08547	3.2 %		0.0243303	2.15	0.0000000	0.00	0.0281591	0.34	0.0000019	143.49	105.7420	0.31	0.0045473	2.15	0.0000000	0.00	0.0025522	10.27	0.0075923	12.82	0.0164440	143.50	0.212138	10.27	0.0714393	1.36	3.84264	4.43	7.18960	2.15	0.0000000	0.00	0.0008110	10.61
16D08548	3.6 %		0.2848035	0.51	0.0000000	0.00	0.0789831	0.33	0.0000013	214.72	296.5946	0.29	0.0532298	0.51	0.0000000	0.00	0.0076868	3.68	0.0212955	12.82	0.0109718	214.72	0.638920	3.68	0.2003793	1.35	10.31494	4.23	84.15942	0.51	0.0000000	0.00	0.0024426	4.54
16D08549	4.0 %		0.0202277	3.36	0.0000000	0.00	0.0748623	0.33	0.0000017	170.72	281.1202	0.29	0.0037806	3.36	0.0000000	0.00	0.0056666	4.86	0.0201844	12.82	0.0146363	170.73	0.470999	4.86	0.1899248	1.35	9.36121	2.28	5.97729	3.36	0.0000000	0.00	0.0018006	5.54
16D08551	4.5 %		0.0494282	1.80	0.0000000	0.00	0.1228259	0.33	0.0000017	167.86	461.2311	0.29	0.0092381	1.80	0.0000000	0.00	0.0098365	2.78	0.0331164	12.82	0.0144505	167.87	0.817593	2.77	0.3116078	1.35	15.90807	1.72	14.60602	1.80	0.0000000	0.00	0.0031257	3.84
16D08552	5.2 %		0.0189845	4.25	0.0000000	0.00	0.1065982	0.33	0.0000000	0.00	400.2936	0.29	0.0035482	4.25	0.0000000	0.00	0.0083056	3.14	0.0287411	12.82	0.0000000	0.00	0.690347	3.13	0.2704384	1.35	13.55278	1.84	5.60993	4.25	0.0000000	0.00	0.0026392	4.11
16D08553	6.1 %		0.0347760	3.49	0.0000000	0.00	0.1893640	0.33	0.0000000	0.00	711.0927	0.29	0.0064996	3.49	0.0000000	0.00	0.0155875	1.77	0.0510565	12.82	0.0000000	0.00	1.295614	1.76	0.4804142	1.35	26.43494	1.38	10.27631	3.49	0.0000000	0.00	0.0049531	3.19
16D08555	7.3 %		0.0551936	2.97	0.0000000	0.00	0.2934373	0.33	0.0000000	0.00	1101.9049	0.29	0.0103157	2.97	0.0000000	0.00	0.0268704	1.06	0.0791168	12.82	0.0000000	0.00	2.233432	1.05	0.7444470	1.35	42.25271	1.16	16.30971	2.97	0.0000000	0.00	0.0085384	2.86
16D08556	8.5 %		0.0714915	2.55	0.0000000	0.00	0.3302145	0.33	0.0000000	0.00	1240.0093	0.29	0.0133618	2.55	0.0000000	0.00	0.0340856	0.91	0.0890327	12.82	0.0000000	0.00	2.833146	0.89	0.8377503	1.35	54.60028	0.99	21.12573	2.55	0.0000000	0.00	0.0108311	2.81
16D08557	9.7 %		0.0856040	1.98	0.0000000	0.00	0.2863061	0.33	0.0000000	0.00	1075.1262	0.29	0.0159994	1.98	0.0000000	0.00	0.0361521	0.88	0.0771941	12.82	0.0000000	0.00	3.004909	0.86	0.7263553	1.35	56.44665	0.90	25.29599	1.98	0.0000000	0.00	0.0114878	2.80
16D08559	11.0 %		0.0839248	1.76	0.0000000	0.00	0.2231645	0.33	0.0000000	0.00	838.0193	0.29	0.0156855	1.76	0.0000000	0.00	0.0363276	0.81	0.0601698	12.82	0.0000000	0.00	3.019503	0.79	0.5661658	1.35	55.02683	0.81	24.79977	1.76	0.0000000	0.00	0.0115436	2.77
16D08560	12.4 %		0.1114783	1.16	0.0000000	0.00	0.1754826	0.33	0.0000000	0.00	658.9659	0.29	0.0208353	1.16	0.0000000	0.00	0.0312099	0.91	0.0473138	12.82	0.0000000	0.00	2.594119	0.90	0.4451974	1.35	48.84889	0.80	32.94183	1.16	0.0000000	0.00	0.0099173	2.81
16D08561	14.0 %		0.0681261	1.47	0.0000000	0.00	0.1203412	0.33	0.0000000	0.00	451.9009	0.29	0.0127328	1.47	0.0000000	0.00	0.0209068	1.33	0.0324465	12.82	0.0000000	0.00	1.737741	1.32	0.3053042	1.35	34.43231	0.88	20.13127	1.47	0.0000000	0.00	0.0066434	2.97
16D08563	15.8 %		0.0369850	1.98	0.0000000	0.00	0.0694532	0.33	0.0000000	0.00	260.8080	0.29	0.0069125	1.98	0.0000000	0.00	0.0120946	2.24	0.0187260	12.82	0.0000000	0.00	1.005287	2.23	0.1762019	1.35	23.35135	0.98	10.92906	1.98	0.0000000	0.00	0.0038432	3.47
16D08564	18.0 %		0.2823253	0.60	0.0000000	0.00	0.1519334	0.33	0.0000000	0.00	570.5347	0.29	0.0527666	0.60	0.0000000	0.00	0.0260959	1.14	0.0409644	12.82	0.0000000	0.00	2.169059	1.13	0.3854533	1.35	59.01593	0.86	83.42713	0.60	0.0000000	0.00	0.0082923	2.89
16D08566	20.5 %		0.0536406	1.97	0.0000000	0.00	0.1383251	0.33	0.0000000	0.00	519.4332	0.29	0.0100254	1.97	0.0000000	0.00	0.0178786	1.60	0.0372953	12.82	0.0000000	0.00	1.486045	1.59	0.3509291	1.35	42.00293	0.76	15.85079	1.97	0.0000000	0.00	0.0056812	3.10
16D08567	22.5 %		0.0220600	3.29	0.0000000	0.00	0.0806271	0.33	0.0000025	119.89	302.7679	0.29	0.0041230	3.29	0.0000000	0.00	0.0079859	3.51	0.0217387	12.82	0.0206577	119.90	0.663778	3.51	0.2045500	1.35	21.61273	1.05	6.51872	3.29	0.0000000	0.00	0.0025376	4.40
16D08569	24.5 %		0.0180153	3.47	0.0000000	0.00	0.0524869	0.33	0.0000041	70.25	197.0967	0.30	0.0033671	3.47	0.0000000	0.00	0.0052716	5.28	0.0141515	12.82	0.0344639	70.26	0.438166	5.28	0.1331585	1.35	12.81449	1.55	5.32351	3.47	0.0000000	0.00	0.0016751	5.91
		Σ	1.6718787	0.31	0.0000000	0.00	2.6027289	0.09	0.0000204	40.17	9773.6723	0.08	0.3124741	0.31	0.0000000	0.00	0.3166390	0.40	0.7017497	3.50	0.1720572	40.17	26.318594	0.40	6.6030930	0.37	542.58822	0.29	494.04016	0.31	0.0000000	0.00	0.1006160	0.84
		Σ							4.2746281	0.13	9773.6723	0.08									1.5029200	4.88			32.921687	0.33							1036.7290	0.21

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D08541	1.8 %	43.878773	10.817132	111.905794	27.534074	0.171023	0.042300	72.962	4.235958	1.00051583	1.821E-13
16D08543	2.0 %	126.330516	9.183139	188.493761	13.713598	0.443982	0.032361	72.974	4.236946	1.00051592	1.866E-12
16D08544	2.4 %	119.363014	6.390037	258.649314	13.864645	0.433467	0.023289	72.980	4.237469	1.00051596	2.329E-12
16D08545	2.8 %	61.270078	3.356698	312.335352	17.114160	0.251019	0.013841	72.985	4.237934	1.00051600	1.207E-12
16D08547	3.2 %	38.906660	2.996796	372.885999	28.642307	0.185104	0.014322	72.997	4.238923	1.00051608	5.296E-13
16D08548	3.6 %	112.566316	3.134643	353.383714	9.891263	0.433443	0.012186	73.003	4.239446	1.00051613	4.535E-12
16D08549	4.0 %	23.210386	0.805565	425.344208	14.678550	0.143877	0.005039	73.009	4.239911	1.00051617	7.363E-13
16D08551	4.5 %	27.025496	0.536902	408.457945	8.144173	0.152547	0.003090	73.021	4.240900	1.00051625	1.465E-12
16D08552	5.2 %	19.947576	0.448659	416.631468	9.320265	0.130708	0.002996	73.027	4.241423	1.00051629	9.199E-13
16D08553	6.1 %	20.673201	0.258139	400.383588	5.071770	0.126203	0.001663	73.033	4.241889	1.00051633	1.762E-12
16D08555	7.3 %	19.668685	0.142319	370.030169	2.848588	0.117074	0.000946	73.044	4.242878	1.00051642	2.811E-12
16D08556	8.5 %	20.631704	0.128513	337.794712	2.298797	0.109430	0.000783	73.050	4.243344	1.00051646	3.635E-12
16D08557	9.7 %	21.910570	0.142239	288.139912	2.033237	0.099674	0.000744	73.056	4.243868	1.00051650	3.924E-12
16D08559	11.0 %	22.265899	0.141573	233.713510	1.619963	0.085644	0.000647	73.068	4.244857	1.00051658	3.832E-12
16D08560	12.4 %	26.914151	0.200190	216.813825	1.720840	0.094416	0.000795	73.074	4.245323	1.00051662	3.926E-12
16D08561	14.0 %	26.710236	0.297254	221.189823	2.527962	0.092248	0.001114	73.080	4.245847	1.00051667	2.619E-12
16D08563	15.8 %	29.017845	0.551230	220.745250	4.217861	0.090088	0.001800	73.092	4.246837	1.00051675	1.646E-12
16D08564	18.0 %	55.764605	0.521932	223.343938	2.186286	0.169997	0.001710	73.097	4.247304	1.00051679	6.838E-12
16D08566	20.5 %	31.497116	0.398093	282.765614	3.650766	0.104501	0.001413	73.109	4.248294	1.00051687	2.777E-12
16D08567	22.5 %	32.400193	0.866745	348.679293	9.341116	0.118261	0.003244	73.115	4.248819	1.00051692	1.350E-12
16D08569	24.5 %	31.750197	1.288408	344.981869	13.969408	0.123408	0.005094	73.127	4.249809	1.00051700	8.707E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D08541	1.8 %	0.0033704 ± 0.0003014	0.0050605 ± 0.0179271	0.0979711 ± 0.0172098	0.0259007 ± 0.0153155	1.2271437 ± 0.0695761
16D08543	2.0 %	0.0037696 ± 0.0003014	0.0024012 ± 0.0179271	0.0369230 ± 0.0172098	0.0141735 ± 0.0153155	1.1345619 ± 0.0695761
16D08544	2.4 %	0.0038431 ± 0.0003014	0.0009264 ± 0.0179271	0.0173419 ± 0.0172098	0.0090196 ± 0.0153155	1.0854070 ± 0.0695761
16D08545	2.8 %	0.0038498 ± 0.0003014	0.0003317 ± 0.0179271	0.0058967 ± 0.0172098	0.0050359 ± 0.0153155	1.0432792 ± 0.0695761
16D08547	3.2 %	0.0037397 ± 0.0003014	0.0026045 ± 0.0179271	0.0038659 ± 0.0172098	0.0016269 ± 0.0153155	0.9627816 ± 0.0695761
16D08548	3.6 %	0.0036412 ± 0.0003014	0.0034804 ± 0.0179271	0.0030511 ± 0.0172098	0.0042055 ± 0.0153155	0.9269383 ± 0.0695761
16D08549	4.0 %	0.0035445 ± 0.0003014	0.0040203 ± 0.0179271	0.0000861 ± 0.0172098	0.0059760 ± 0.0153155	0.8997952 ± 0.0695761
16D08551	4.5 %	0.0033456 ± 0.0003014	0.0043197 ± 0.0179271	0.0114121 ± 0.0172098	0.0082192 ± 0.0153155	0.8582853 ± 0.0695761
16D08552	5.2 %	0.0032596 ± 0.0003014	0.0039789 ± 0.0179271	0.0185932 ± 0.0172098	0.0086390 ± 0.0153155	0.8455264 ± 0.0695761
16D08553	6.1 %	0.0032012 ± 0.0003014	0.0033803 ± 0.0179271	0.0249802 ± 0.0172098	0.0086104 ± 0.0153155	0.8394573 ± 0.0695761
16D08555	7.3 %	0.0031456 ± 0.0003014	0.0012170 ± 0.0179271	0.0368675 ± 0.0172098	0.0074502 ± 0.0153155	0.8417561 ± 0.0695761
16D08556	8.5 %	0.0031543 ± 0.0003014	0.0001865 ± 0.0179271	0.0410609 ± 0.0172098	0.0064645 ± 0.0153155	0.8490226 ± 0.0695761
16D08557	9.7 %	0.0031899 ± 0.0003014	0.0020184 ± 0.0179271	0.0443597 ± 0.0172098	0.0050855 ± 0.0153155	0.8608665 ± 0.0695761
16D08559	11.0 %	0.0033212 ± 0.0003014	0.0060365 ± 0.0179271	0.0459513 ± 0.0172098	0.0019097 ± 0.0153155	0.8897128 ± 0.0695761
16D08560	12.4 %	0.0034037 ± 0.0003014	0.0080820 ± 0.0179271	0.0445284 ± 0.0172098	0.0002581 ± 0.0153155	0.9039576 ± 0.0695761
16D08561	14.0 %	0.0035033 ± 0.0003014	0.0104113 ± 0.0179271	0.0413455 ± 0.0172098	0.0016374 ± 0.0153155	0.9184591 ± 0.0695761
16D08563	15.8 %	0.0036765 ± 0.0003014	0.0145790 ± 0.0179271	0.0314544 ± 0.0172098	0.0050697 ± 0.0153155	0.9345093 ± 0.0695761
16D08564	18.0 %	0.0037320 ± 0.0003014	0.0162742 ± 0.0179271	0.0255297 ± 0.0172098	0.0064950 ± 0.0153155	0.9333973 ± 0.0695761
16D08566	20.5 %	0.0037337 ± 0.0003014	0.0188258 ± 0.0179271	0.0120631 ± 0.0172098	0.0087774 ± 0.0153155	0.9020934 ± 0.0695761
16D08567	22.5 %	0.0036387 ± 0.0003014	0.0193540 ± 0.0179271	0.0055081 ± 0.0172098	0.0094122 ± 0.0153155	0.8643350 ± 0.0695761
16D08569	24.5 %	0.0031903 ± 0.0003014	0.0181483 ± 0.0179271	0.0026794 ± 0.0172098	0.0091179 ± 0.0153155	0.7391167 ± 0.0695761

Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D08541	1.8 %	0.0173645 ± 0.0002368	0.6470	EXP 150 of 150	2.237669 ± 0.015781	0.2775	EXP 149 of 150	0.0286549 ± 0.0165877	0.0017	EXP 150 of 150	0.0598775 ± 0.0144903	0.1145	EXP 150 of 150	5.021690 ± 0.017477	0.9970	EXP 150 of 150
16D08543	2.0 %	0.1330154 ± 0.0005640	0.3250	EXP 150 of 150	13.378126 ± 0.020237	0.9388	EXP 150 of 150	0.0449405 ± 0.0168575	0.0101	EXP 150 of 150	0.2909943 ± 0.0160363	0.1579	EXP 150 of 150	40.001049 ± 0.019198	0.9946	EXP 150 of 150
16D08544	2.4 %	0.1706013 ± 0.0005803	0.5714	EXP 150 of 150	24.253503 ± 0.021042	0.9790	EXP 150 of 150	0.0946790 ± 0.0178427	0.0143	EXP 150 of 150	0.3942715 ± 0.0152027	0.1188	EXP 150 of 150	49.616113 ± 0.021987	0.9882	EXP 150 of 150
16D08545	2.8 %	0.1013397 ± 0.0005347	0.2030	EXP 150 of 150	29.562169 ± 0.018236	0.9897	EXP 150 of 150	0.0523521 ± 0.0173797	0.0008	EXP 150 of 150	0.4021003 ± 0.0161716	0.0489	EXP 150 of 150	26.192029 ± 0.018331	0.9956	EXP 150 of 150
16D08547	3.2 %	0.0534072 ± 0.0003568	0.0815	EXP 150 of 150	24.375415 ± 0.018238	0.9848	EXP 150 of 150	0.0267971 ± 0.0155810	0.0031	EXP 150 of 150	0.2829097 ± 0.0152141	0.0763	EXP 150 of 150	11.995829 ± 0.017365	0.9968	EXP 150 of 150
16D08548	3.6 %	0.3478584 ± 0.0009271	0.8338	EXP 150 of 150	68.365713 ± 0.022639	0.9970	EXP 150 of 150	0.0887177 ± 0.0153185	0.0039	EXP 150 of 150	0.8367135 ± 0.0173826	0.0015	EXP 150 of 150	95.403745 ± 0.023646	0.8876	EXP 150 of 150
16D08549	4.0 %	0.0935206 ± 0.0004555	0.0847	EXP 150 of 150	64.791001 ± 0.022106	0.9968	EXP 150 of 150	0.0436817 ± 0.0174000	0.0000	EXP 150 of 150	0.6615524 ± 0.0165342	0.0155	EXP 150 of 150	16.240099 ± 0.019962	0.9959	EXP 150 of 150
16D08551	4.5 %	0.1663345 ± 0.0005253	0.6244	EXP 150 of 150	106.279428 ± 0.023708	0.9986	EXP 150 of 150	0.0770416 ± 0.0160267	0.0037	EXP 150 of 150	1.1282834 ± 0.0159050	0.0210	EXP 150 of 150	31.375503 ± 0.019723	0.9936	EXP 150 of 150
16D08552	5.2 %	0.1220864 ± 0.0005264	0.2958	EXP 150 of 150	92.226247 ± 0.020373	0.9986	EXP 150 of 150	0.0392465 ± 0.0234323	0.0001	EXP 150 of 150	0.9616506 ± 0.0145541	0.0086	EXP 150 of 150	20.010874 ± 0.016834	0.9967	EXP 150 of 150
16D08553	6.1 %	0.2152830 ± 0.0007393	0.6238	EXP 150 of 150	163.818978 ± 0.024504	0.9994	EXP 150 of 150	0.0733167 ± 0.0180244	0.0017	EXP 150 of 150	1.7702681 ± 0.0153556	0.1071	EXP 150 of 150	37.555652 ± 0.020724	0.9931	EXP 150 of 150
16D08555	7.3 %	0.3330211 ± 0.0008176	0.8205	EXP 150 of 150	253.797739 ± 0.032568	0.9995	EXP 150 of 150	0.1069948 ± 0.0151605	0.0086	EXP 150 of 150	2.9612330 ± 0.0143161	0.4481	EXP 149 of 150	59.412711 ± 0.020606	0.9883	EXP 150 of 150
16D08556	8.5 %	0.3832495 ± 0.0008663	0.8456	EXP 149 of 150	285.577032 ± 0.027743	0.9997	EXP 150 of 150	0.1239473 ± 0.0179237	0.0032	EXP 150 of 150	3.6476571 ± 0.0161777	0.4998	EXP 150 of 150	76.585865 ± 0.021047	0.9741	EXP 150 of 150
16D08557	9.7 %	0.3550923 ± 0.0008743	0.8179	EXP 150 of 150	247.575362 ± 0.028810	0.9996	EXP 150 of 150	0.1233326 ± 0.0175632	0.0069	EXP 150 of 150	3.7061577 ± 0.0180491	0.4561	EXP 150 of 150	82.614997 ± 0.020974	0.9417	EXP 150 of 150
16D08559	11.0 %	0.2938899 ± 0.0008704	0.7759	EXP 150 of 150	192.934882 ± 0.026362	0.9995	EXP 150 of 150	0.1095374 ± 0.0163928	0.0048	EXP 149 of 150	3.5585642 ± 0.0161446	0.5181	EXP 150 of 150	80.727854 ± 0.021713	0.8760	EXP 150 of 150
16D08560	12.4 %	0.2749269 ± 0.0007471	0.7754	EXP 149 of 150	151.698606 ± 0.024570	0.9993	EXP 150 of 150	0.1191886 ± 0.0172953	0.0080	EXP 150 of 150	3.0149814 ± 0.0160310	0.3830	EXP 150 of 150	82.704590 ± 0.021684	0.7391	EXP 150 of 150
16D08561	14.0 %	0.1818317 ± 0.0006549	0.6136	EXP 150 of 150	104.022805 ± 0.022906	0.9986	EXP 150 of 150	0.0931411 ± 0.0173840	0.0169	EXP 150 of 150	2.0248761 ± 0.0162822	0.2118	EXP 150 of 150	55.488689 ± 0.017879	0.9841	EXP 150 of 150
16D08563	15.8 %	0.1043885 ± 0.0005166	0.1939	EXP 150 of 150	60.029816 ± 0.022691	0.9960	EXP 150 of 150	0.0507593 ± 0.0173490	0.0003	EXP 150 of 150	1.1668584 ± 0.0159485	0.0225	EXP 150 of 150	35.218762 ± 0.018914	0.9914	EXP 150 of 150
16D08564	18.0 %	0.4146288 ± 0.0009956	0.8613	EXP 150 of 150	131.289168 ± 0.026662	0.9988	EXP 150 of 150	0.0991009 ± 0.0151776	0.0135	EXP 149 of 150	2.5273458 ± 0.0179805	0.1860	EXP 150 of 150	143.384743 ± 0.023273	0.9931	EXP 150 of 150
16D08566	20.5 %	0.1853721 ± 0.0006916	0.6000	EXP 150 of 150	119.506041 ± 0.026745	0.9986	EXP 150 of 150	0.0579541 ± 0.0161216	0.0009	EXP 150 of 150	1.8133323 ± 0.0170048	0.1179	EXP 150 of 150	58.761494 ± 0.018927	0.9772	EXP 150 of 150
16D08567	22.5 %	0.1008038 ± 0.0004960	0.1121	EXP 149 of 150	69.657603 ± 0.022911	0.9970	EXP 150 of 150	0.0591857 ± 0.0170600	0.0060	EXP 150 of 150	0.8518888 ± 0.0170629	0.0000	EXP 150 of 150	28.998317 ± 0.018032	0.9945	EXP 150 of 150
16D08569	24.5 %	0.0699034 ± 0.0004461	0.0031	EXP 150 of 150	45.340891 ± 0.019528	0.9947	EXP 150 of 150	0.0537053 ± 0.0163985	0.0037	EXP 150 of 150	0.5575836 ± 0.0170019	0.0000	EXP 150 of 150	18.878793 ± 0.018691	0.9951	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D08541	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08543	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08544	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08545	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08547	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08548	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08549	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08551	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08552	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08553	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08555	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08556	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08557	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08559	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08560	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08561	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08563	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08564	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08566	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08567	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01
16D08569	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	42.20	Walvis Ridge\MV1203 (13-INT-04)	16D08540	01

Sample Parameters		Sample	Material	Location	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air 40Ar/36Ar	%1σ	MDF (lin)	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist
16D08541	1.8 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	13	34	1
16D08543	2.0 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	13	51	1
16D08544	2.4 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	0	1
16D08545	2.8 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	8	1
16D08547	3.2 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	25	1
16D08548	3.6 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	34	1
16D08549	4.0 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	42	1
16D08551	4.5 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	14	59	1
16D08552	5.2 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	15	8	1
16D08553	6.1 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	15	16	1
16D08555	7.3 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	15	33	1
16D08556	8.5 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	15	41	1
16D08557	9.7 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	15	50	1
16D08559	11.0 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	16	7	1
16D08560	12.4 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	16	15	1
16D08561	14.0 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	16	24	1
16D08563	15.8 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	16	41	1
16D08564	18.0 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	16	49	1
16D08566	20.5 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	17	6	1
16D08567	22.5 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	17	15	1
16D08569	24.5 %	MV1203-D14-06	Plagioclase	Bottlenose Seamount	FCT-NM (7A24-15)	28.201	0.082	Kuiper et al (2008)	9.52413	0.149	0.00165027	0.149	304.745	0.137	0.992406	0.067	1	4.8E-14	29	FEB	2016	17	32	1

Irradiation Constants		40/36(a)	%1σ	40/36(c)	%1σ	38/36(a)	%1σ	38/36(c)	%1σ	39/37(ca)	%1σ	38/37(ca)	%1σ	36/37(ca)	%1σ	40/39(k)	%1σ	38/39(k)	%1σ	36/38(cl)	%1σ	K/Ca	%1σ	K/Cl	%1σ	Ca/Cl	%1σ
16D08541	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08543	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08544	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08545	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08547	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08548	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08549	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08551	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08552	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08553	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08555	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08556	8.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08557	9.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08559	11.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08560	12.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08561	14.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08563	15.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08564	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08566	20.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08567	22.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D08569	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

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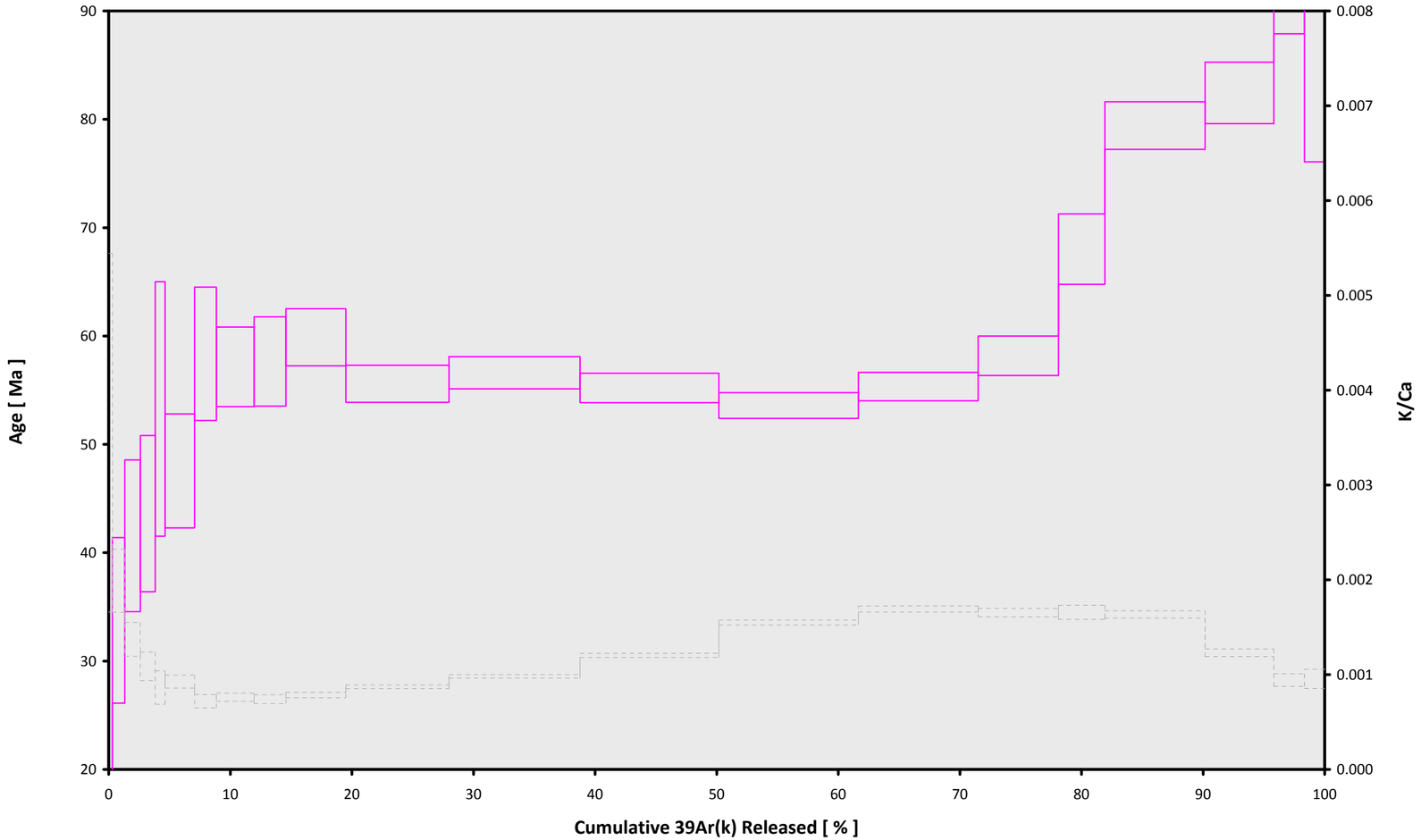


Ar-Ages in Ma

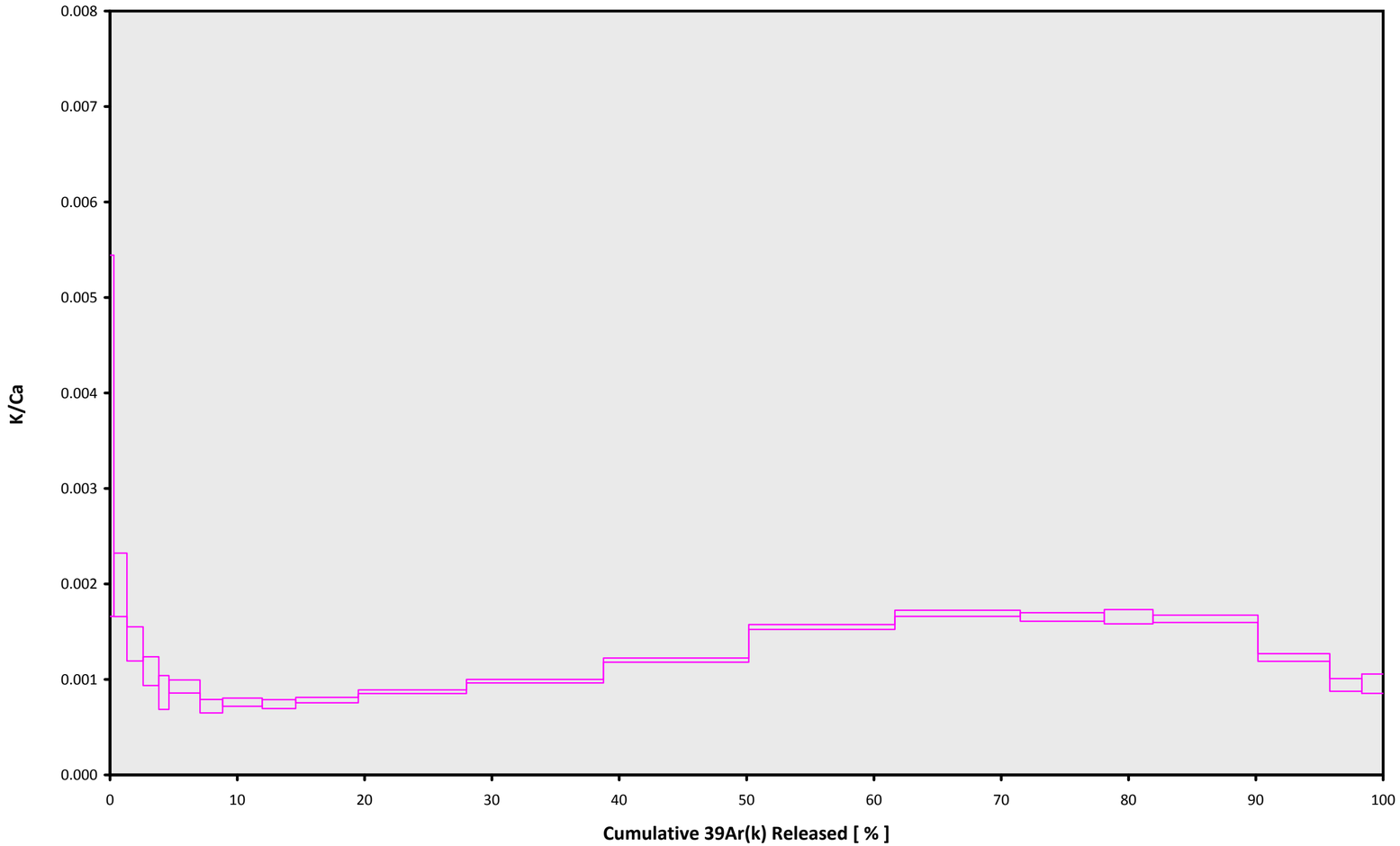
TOTAL FUSION
60.50 ± 0.62

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A24-15)
J = 0.00165027 ± 0.00000246

16D08540.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

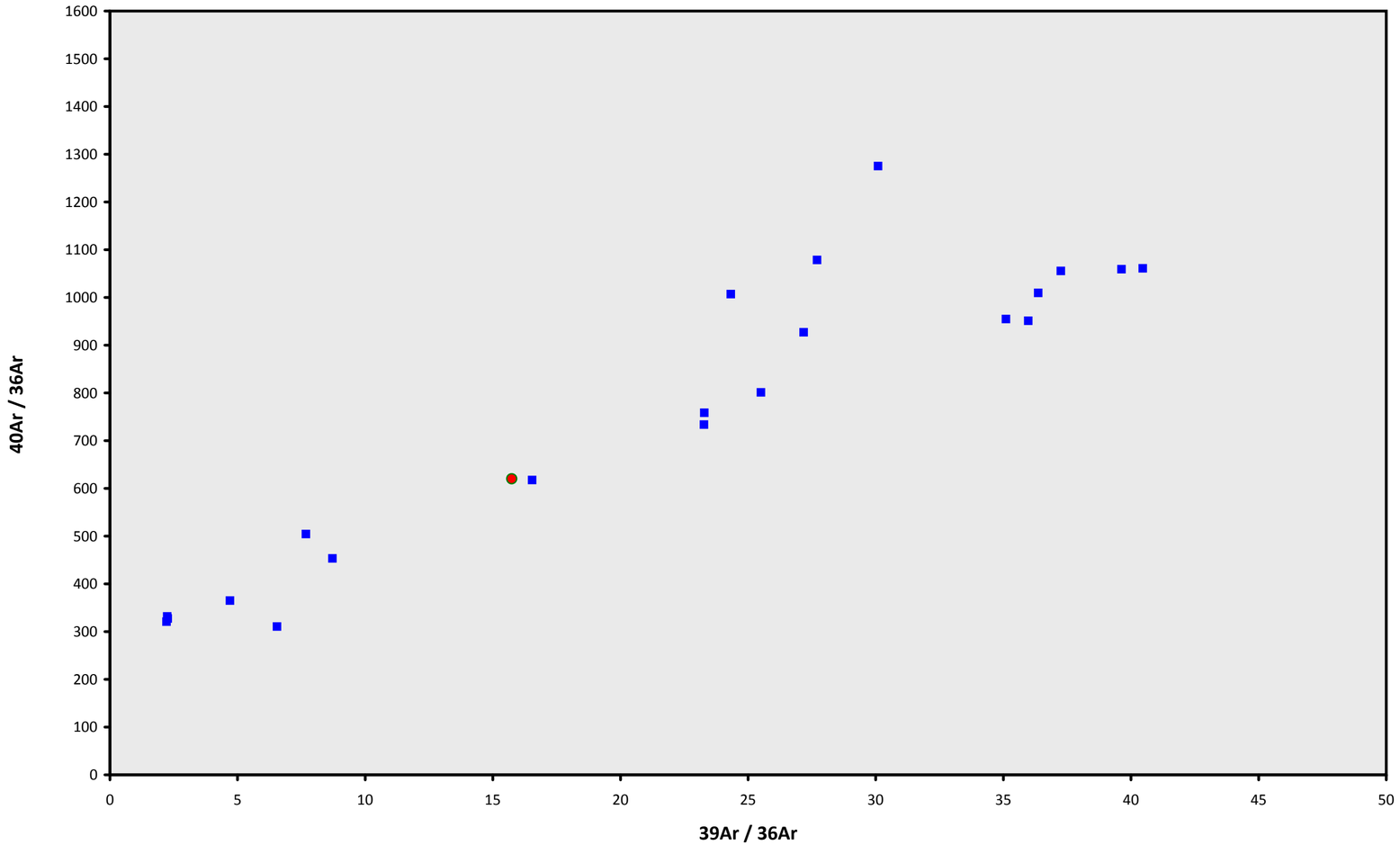
TOTAL FUSION
60.50 ± 0.62

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A24-15)
J = 0.00165027 ± 0.00000246

16D08540.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

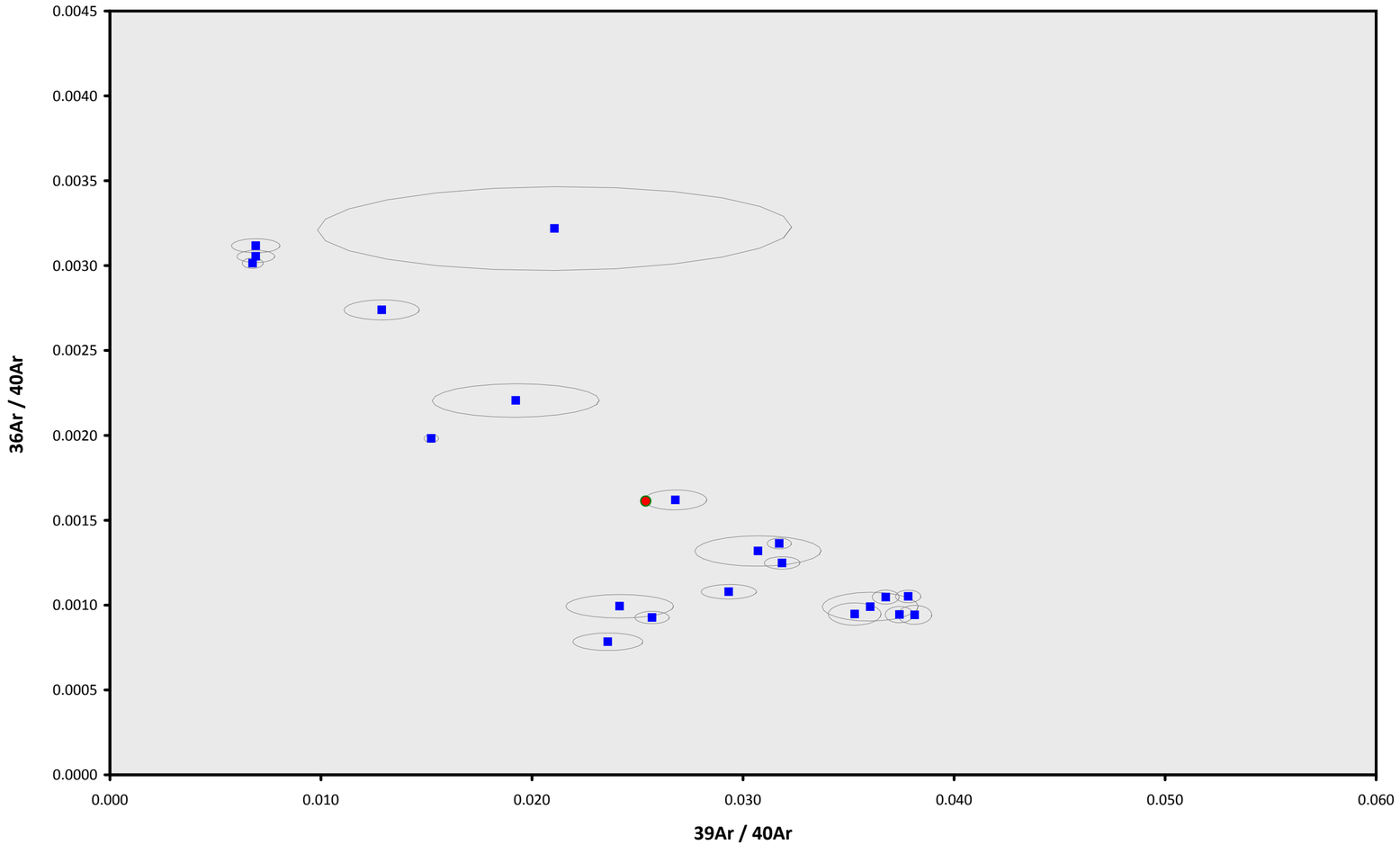
TOTAL FUSION
60.50 ± 0.62

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A24-15)
J = 0.00165027 ± 0.00000246

16D08540.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

TOTAL FUSION
60.50 ± 0.62

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A24-15)
J = 0.00165027 ± 0.00000246