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
13D04089	1.6 %		0.0013520	36.656	4.088	19.002	0.0662701	61.425	0.06965	61.437	0.5896	35.804	7.71334 ± 12.64051	24.72 ± 40.23	87.50	0.02	0.0070 ± 0.0094
13D04091	2.0 %		0.0048546	10.881	9.957	7.913	0.0513807	79.352	0.33357	12.363	1.6667	12.692	3.11340 ± 1.83012	10.02 ± 5.87	61.05	0.08	0.0141 ± 0.0042
13D04092	2.4 %		0.0084671	6.684	24.646	3.188	0.0936495	43.101	0.98635	4.254	3.2476	6.505	2.77069 ± 0.61861	8.92 ± 1.99	82.73	0.23	0.0169 ± 0.0018
13D04093	2.8 %	✓	0.0145154	3.853	42.963	1.900	0.0538502	73.824	1.64696	2.675	4.7042	4.495	2.34350 ± 0.36429	7.55 ± 1.17	80.60	0.39	0.0162 ± 0.0011
13D04095	3.2 %	✓	0.0210155	2.915	69.070	1.261	0.0380276	103.764	2.64332	1.630	7.2496	2.913	2.48971 ± 0.23569	8.02 ± 0.76	89.18	0.63	0.0162 ± 0.0007
13D04096	3.6 %	✓	0.0267522	2.296	95.326	0.959	0.0938578	43.834	3.63021	1.144	9.3858	2.253	2.51588 ± 0.17186	8.10 ± 0.55	95.58	0.86	0.0161 ± 0.0005
13D04097	4.0 %	✓	0.0421864	1.627	148.463	0.702	0.1013021	39.641	5.57866	0.789	14.5606	1.453	2.51133 ± 0.11837	8.09 ± 0.38	94.49	1.32	0.0159 ± 0.0003
13D04099	4.5 %	✓	0.0639980	1.255	226.964	0.565	0.1399623	27.248	8.62574	0.501	21.5575	0.983	2.41670 ± 0.08281	7.78 ± 0.27	94.98	2.04	0.0161 ± 0.0002
13D04100	5.2 %	✓	0.1408197	0.769	511.293	0.468	0.3116706	12.147	19.52305	0.244	48.4020	0.438	2.44837 ± 0.04665	7.88 ± 0.15	97.01	4.63	0.0161 ± 0.0002
13D04101	6.1 %	✓	0.2310076	0.579	847.243	0.450	0.4612205	8.270	32.49508	0.148	80.1849	0.265	2.45819 ± 0.03521	7.91 ± 0.11	97.86	7.70	0.0162 ± 0.0002
13D04103	7.3 %	✓	0.3638975	0.488	1344.031	0.444	0.6662488	5.995	51.48071	0.108	126.9237	0.167	2.47095 ± 0.03025	7.96 ± 0.10	98.45	12.20	0.0162 ± 0.0001
13D04104	8.5 %	✓	0.4483634	0.422	1663.546	0.443	0.8423381	4.686	64.32463	0.095	157.9665	0.135	2.47055 ± 0.02754	7.95 ± 0.09	98.84	15.24	0.0163 ± 0.0001
13D04105	9.7 %	✓	0.4399341	0.421	1632.399	0.442	0.8607624	4.477	64.26387	0.093	157.9153	0.135	2.47193 ± 0.02701	7.96 ± 0.09	98.87	15.23	0.0166 ± 0.0002
13D04107	10.9 %	✓	0.3761106	0.488	1414.650	0.443	0.7222395	5.384	57.18497	0.101	140.5736	0.151	2.49939 ± 0.02828	8.05 ± 0.09	99.98	13.56	0.0171 ± 0.0002
13D04109	13.9 %	✓	0.2354379	0.594	868.148	0.449	0.4556746	8.855	37.07639	0.139	92.2102	0.230	2.48877 ± 0.03180	8.01 ± 0.10	98.49	8.80	0.0181 ± 0.0002
13D04111	15.7 %	✓	0.1735967	0.706	641.403	0.460	0.3732636	10.633	27.63500	0.173	68.9189	0.307	2.49949 ± 0.03676	8.05 ± 0.12	98.65	6.56	0.0182 ± 0.0002
13D04112	18.0 %	✓	0.1399050	0.700	504.054	0.469	0.2478236	15.716	21.42820	0.212	54.4859	0.388	2.50043 ± 0.04021	8.05 ± 0.13	96.77	5.09	0.0180 ± 0.0002
13D04113	20.5 %	✓	0.0882344	1.075	323.069	0.508	0.1820124	20.493	13.49554	0.342	34.1570	0.619	2.51978 ± 0.05930	8.11 ± 0.19	97.95	3.20	0.0177 ± 0.0002
13D04115	23.0 %	✓	0.0611700	1.236	221.865	0.569	0.1113121	35.528	9.34853	0.478	23.9089	0.884	2.52830 ± 0.07467	8.14 ± 0.24	97.27	2.22	0.0178 ± 0.0003
		Σ	2.8816180	0.175	10593.178	0.147	5.8728664	2.928	421.77043	0.050	1048.6085	0.088					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D45-01**
Material = **Plagioclase**
Location = **Grey Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = **X: | Y: | Z/H: 3.97 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.80841 ± 0.01154**
FCT-NM J-value = **0.00178436 ± 0.00000234**
Air Shot 40Ar/36Ar = **302.7480 ± 0.2906**
Air Shot MDF = **0.99400709 ± 0.00062476 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **60 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10007**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachybasalt**
Lat-Lon = **40°13.0'S - 12°19.3'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 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		2.48083 ± 0.01056 (± 0.43%)	**7.99 ± 0.04 (± 0.50%)**	1.05 (40%)	99.67 (16)	0.0169 ± 0.0004
		Full External Error ± 0.18		1.73	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0233	Error Magnification	
Total Fusion Age		2.48213 ± 0.01080 (± 0.44%)	**7.99 ± 0.04 (± 0.51%)**		19	0.0168 ± 0.0001
		Full External Error ± 0.18				
		Analytical Error ± 0.03				
Normal Isochron	**94.98 ± 113.08**	2.49798 ± 0.01367 (± 0.55%)	**8.04 ± 0.05 (± 0.61%)**	2.51 (0%)	99.67 (16)	
Error Chron	########	Full External Error ± 0.19		1.76	2σ Confidence Limit	
		Analytical Error ± 0.04		1.5846	Error Magnification	
				1	Number of Iterations	
				0.0000000319	Convergence	
Inverse Isochron	**338.58 ± 117.00 (± 34.56%)**	2.47563 ± 0.01806 (± 0.73%)	**7.97 ± 0.06 (± 0.77%)**	1.07 (38%)	99.67 (16)	
		Full External Error ± 0.19		1.76	2σ Confidence Limit	
		Analytical Error ± 0.06		1.0352	Error Magnification	
				4	Number of Iterations	
Notes				0.0000086471	Convergence	
Good plateau				14%	Spreading Factor	

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
13D04089	1.6 %		0.0002486	4.088	0.0651254	0.06689	0.5159	24.72 ± 40.23	87.50	0.02	0.0070 ± 0.0094
13D04091	2.0 %		0.0021925	9.957	0.0463238	0.32684	1.0176	10.02 ± 5.87	61.05	0.08	0.0141 ± 0.0042
13D04092	2.4 %		0.0018857	24.646	0.0798611	0.96970	2.6867	8.92 ± 1.99	82.73	0.23	0.0169 ± 0.0018
13D04093	2.8 %	✓	0.0030673	42.963	0.0307267	1.61794	3.7916	7.55 ± 1.17	80.60	0.39	0.0162 ± 0.0011
13D04095	3.2 %	✓	0.0026218	69.070	0.0013380	2.59665	6.4649	8.02 ± 0.76	89.18	0.63	0.0162 ± 0.0007
13D04096	3.6 %	✓	0.0013571	95.326	0.0438595	3.56581	8.9711	8.10 ± 0.55	95.58	0.86	0.0161 ± 0.0005
13D04097	4.0 %	✓	0.0026452	148.463	0.0242379	5.47836	13.7580	8.09 ± 0.38	94.49	1.32	0.0159 ± 0.0003
13D04099	4.5 %	✓	0.0035527	226.964	0.0210708	8.47240	20.4753	7.78 ± 0.27	94.98	2.04	0.0161 ± 0.0002
13D04100	5.2 %	✓	0.0046526	511.293	0.0433642	19.17762	46.9538	7.88 ± 0.15	97.01	4.63	0.0161 ± 0.0002
13D04101	6.1 %	✓	0.0053832	847.243	0.0153205	31.92268	78.4721	7.91 ± 0.11	97.86	7.70	0.0162 ± 0.0002
13D04103	7.3 %	✓	0.0059819	1344.031	0.0000000	50.57268	124.9627	7.96 ± 0.10	98.45	12.20	0.0162 ± 0.0001
13D04104	8.5 %	✓	0.0053612	1663.546	0.0000000	63.20074	156.1407	7.95 ± 0.09	98.84	15.24	0.0163 ± 0.0001
13D04105	9.7 %	✓	0.0052263	1632.399	0.0000000	63.16102	156.1294	7.96 ± 0.09	98.87	15.23	0.0166 ± 0.0002
13D04107	10.9 %	✓	0.0006106	1414.650	0.0000000	56.22924	140.5390	8.05 ± 0.09	99.98	13.56	0.0171 ± 0.0002
13D04109	13.9 %	✓	0.0042499	868.148	0.0000000	36.48987	90.8149	8.01 ± 0.10	98.49	8.80	0.0181 ± 0.0002
13D04111	15.7 %	✓	0.0027910	641.403	0.0000000	27.20166	67.9902	8.05 ± 0.12	98.65	6.56	0.0182 ± 0.0002
13D04112	18.0 %	✓	0.0056755	504.054	0.0000000	21.08766	52.7282	8.05 ± 0.13	96.77	5.09	0.0180 ± 0.0002
13D04113	20.5 %	✓	0.0022010	323.069	0.0000000	13.27728	33.4558	8.11 ± 0.19	97.95	3.20	0.0177 ± 0.0002
13D04115	23.0 %	✓	0.0020874	221.865	0.0000000	9.19864	23.2569	8.14 ± 0.24	97.27	2.22	0.0178 ± 0.0003
		Σ	0.0605703	10593.178	0.3712280	414.61368	1029.1249				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D45-01**
Material = **Plagioclase**
Location = **Grey Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
J = **0.00178436 ± 0.00000234**
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	2.48083	± 0.01056	**7.99**	**± 0.04**	1.05	99.67	0.0169 ± 0.0004
		± 0.43%		**± 0.50%**	40%	16	
			Full External Error	± 0.18	1.73	2σ Confidence Limit	
			Analytical Error	± 0.03	1.0233	Error Magnification	
Total Fusion Age	2.48213	± 0.01080	**7.99**	**± 0.04**		19	0.0168 ± 0.0001
		± 0.44%		**± 0.51%**			
			Full External Error	± 0.18			
			Analytical Error	± 0.03			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D04089	1.6 %		269.07 ± 1212.65	2370.94 ± 10385.50	0.9459
13D04091	2.0 %		149.07 ± 85.97	759.63 ± 438.62	0.8075
13D04092	2.4 %		514.24 ± 332.18	1720.31 ± 1123.78	0.9711
13D04093	2.8 %	✓	527.48 ± 208.46	1531.65 ± 615.20	0.9653
13D04095	3.2 %	✓	990.43 ± 496.46	2761.38 ± 1390.51	0.9911
13D04096	3.6 %	✓	2627.60 ± 2563.63	6906.22 ± 6743.37	0.9986
13D04097	4.0 %	✓	2071.04 ± 1163.43	5496.57 ± 3090.65	0.9983
13D04099	4.5 %	✓	2384.76 ± 1178.56	6058.76 ± 2995.99	0.9990
13D04100	5.2 %	✓	4121.90 ± 2255.63	10387.43 ± 5684.80	0.9998
13D04101	6.1 %	✓	5930.05 ± 3774.13	14872.72 ± 9465.82	1.0000
13D04103	7.3 %	✓	8454.22 ± 6899.38	21185.49 ± 17289.26	1.0000
13D04104	8.5 %	✓	11788.59 ± 12341.84	29419.82 ± 30800.57	1.0000
13D04105	9.7 %	✓	12085.19 ± 12705.54	30169.21 ± 31717.90	1.0000
13D04107	10.9 %	✓	92092.62 ± 767517.62	229880.25 ± 1915866.36	1.0000
13D04109	13.9 %	✓	8585.96 ± 7169.32	21663.97 ± 18089.69	1.0000
13D04111	15.7 %	✓	9746.06 ± 10317.78	24655.65 ± 26102.28	1.0000
13D04112	18.0 %	✓	3715.56 ± 1547.04	9585.98 ± 3991.77	0.9998
13D04113	20.5 %	✓	6032.38 ± 5769.08	15495.79 ± 14820.27	0.9999
13D04115	23.0 %	✓	4406.84 ± 3513.83	11437.30 ± 9121.20	0.9997

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**94.98 ± 113.08**	2.49798 ± 0.01367	**8.04 ± 0.05**	2.51
Error Chron	**± 119.06%**	± 0.55%	**± 0.61%**	0%
			Full External Error ± 0.19	
			Analytical Error ± 0.04	

Statistics				
	2σ Confidence Limit	1.76	Convergence	0.000000031946
	Error Magnification	1.5846	Number of Iterations	1
	Number of Data Points	16	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
13D04089	1.6 %		0.1134872	± 0.1664245	0.00042177	± 0.00184751	0.0799
13D04091	2.0 %		0.1962466	± 0.0702714	0.00131643	± 0.00076013	0.3121
13D04092	2.4 %		0.2989253	± 0.0467485	0.00058129	± 0.00037973	0.1661
13D04093	2.8 %	✓	0.3443877	± 0.0362352	0.00065289	± 0.00026224	0.1918
13D04095	3.2 %	✓	0.3586709	± 0.0240731	0.00036214	± 0.00018236	0.1007
13D04096	3.6 %	✓	0.3804686	± 0.0193224	0.00014480	± 0.00014138	0.0411
13D04097	4.0 %	✓	0.3767878	± 0.0125248	0.00018193	± 0.00010230	0.0453
13D04099	4.5 %	✓	0.3936059	± 0.0087276	0.00016505	± 0.00008162	0.0353
13D04100	5.2 %	✓	0.3968166	± 0.0040039	0.00009627	± 0.00005269	0.0139
13D04101	6.1 %	✓	0.3987202	± 0.0024428	0.00006724	± 0.00004279	0.0072
13D04103	7.3 %	✓	0.3990573	± 0.0016131	0.00004720	± 0.00003852	0.0034
13D04104	8.5 %	✓	0.4007023	± 0.0013470	0.00003399	± 0.00003559	0.0021
13D04105	9.7 %	✓	0.4005803	± 0.0013362	0.00003315	± 0.00003485	0.0021
13D04107	10.9 %	✓	0.4006113	± 0.0014776	0.00000435	± 0.00003625	0.0003
13D04109	13.9 %	✓	0.3963244	± 0.0021469	0.00004616	± 0.00003854	0.0047
13D04111	15.7 %	✓	0.3952872	± 0.0028078	0.00004056	± 0.00004294	0.0050
13D04112	18.0 %	✓	0.3876033	± 0.0034532	0.00010432	± 0.00004344	0.0163
13D04113	20.5 %	✓	0.3892917	± 0.0055344	0.00006453	± 0.00006172	0.0113
13D04115	23.0 %	✓	0.3853041	± 0.0077852	0.00008743	± 0.00006973	0.0195

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**338.58**	**± 117.00**	2.47563	± 0.01806	**7.97**	**± 0.06**	1.07
		± 34.56%		± 0.73%		**± 0.77%**	38%
					Full External Error	± 0.19	
					Analytical Error	± 0.06	

Statistics				
	2σ Confidence Limit	1.76	Convergence	0.0000086471
	Error Magnification	1.0352	Number of Iterations	4
	Number of Data Points	16	Calculated Line	Weighted York-2
	Spreading Factor	13.9%		

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
13D04089	1.6 %		0.0002486	216.07	0.0000000	0.00	0.0010886	19.00	0.0000148	62.52	4.088	19.00	0.0000465	216.07	0.0000000	0.00	0.0008047	63.98	0.0002935	22.92	0.0651254	62.53	0.06689	63.98	0.0027617	19.05	0.5159	51.19	0.073455	216.07	0.0000000	0.00	0.0002557	64.03
13D04091	2.0 %		0.0021925	25.93	0.0000000	0.00	0.0026516	7.91	0.0000105	88.03	9.957	7.91	0.0004098	25.93	0.0000000	0.00	0.0039323	12.62	0.0007149	15.07	0.0463238	88.03	0.32684	12.62	0.0067270	8.02	1.0176	26.54	0.647878	25.93	0.0000000	0.00	0.0012495	12.90
13D04092	2.4 %		0.0018857	32.01	0.0000000	0.00	0.0065633	3.19	0.0000181	50.56	24.646	3.19	0.0003524	32.01	0.0000000	0.00	0.0116664	4.33	0.0017696	13.21	0.0798611	50.57	0.96970	4.33	0.0166510	3.45	2.6867	10.29	0.557216	32.01	0.0000000	0.00	0.0037071	5.08
13D04093	2.8 %	✓	0.0030673	19.57	0.0000000	0.00	0.0114412	1.91	0.0000070	129.41	42.963	1.90	0.0005733	19.57	0.0000000	0.00	0.0194654	2.73	0.0030848	12.96	0.0307267	129.41	1.61794	2.72	0.0290261	2.31	3.7916	7.28	0.906384	19.57	0.0000000	0.00	0.0061854	3.81
13D04095	3.2 %	✓	0.0026218	25.01	0.0000000	0.00	0.0183934	1.27	0.0000003	######	69.070	1.26	0.0004900	25.01	0.0000000	0.00	0.0312403	1.67	0.0049592	12.88	0.0013380	######	2.59665	1.66	0.0466639	1.83	6.4649	4.43	0.774728	25.01	0.0000000	0.00	0.0099270	3.14
13D04096	3.6 %	✓	0.0013571	48.77	0.0000000	0.00	0.0253852	0.97	0.0000100	93.84	95.326	0.96	0.0002536	48.77	0.0000000	0.00	0.0429002	1.18	0.0068444	12.86	0.0438595	93.85	3.56581	1.16	0.0644020	1.63	8.9711	3.21	0.401011	48.77	0.0000000	0.00	0.0136321	2.90
13D04097	4.0 %	✓	0.0026452	28.08	0.0000000	0.00	0.0395357	0.72	0.0000055	165.80	148.463	0.70	0.0004944	28.08	0.0000000	0.00	0.0659101	0.82	0.0106596	12.84	0.0242379	165.80	5.47836	0.80	0.1003016	1.50	13.7580	2.22	0.781663	28.08	0.0000000	0.00	0.0209438	2.78
13D04099	4.5 %	✓	0.0035527	24.70	0.0000000	0.00	0.0604405	0.59	0.0000048	181.29	226.964	0.57	0.0006640	24.70	0.0000000	0.00	0.1019315	0.53	0.0162960	12.83	0.0210708	181.30	8.47240	0.51	0.1533369	1.44	20.4753	1.64	1.049830	24.70	0.0000000	0.00	0.0323900	2.71
13D04100	5.2 %	✓	0.0046526	27.36	0.0000000	0.00	0.1361572	0.49	0.0000099	88.00	511.293	0.47	0.0008696	27.36	0.0000000	0.00	0.2307259	0.30	0.0367108	12.83	0.0433642	88.00	19.17762	0.25	0.3454293	1.40	46.9538	0.92	1.374847	27.36	0.0000000	0.00	0.0733160	2.67
13D04101	6.1 %	✓	0.0053832	31.82	0.0000000	0.00	0.2256209	0.47	0.0000035	254.19	847.243	0.45	0.0010061	31.82	0.0000000	0.00	0.3840618	0.22	0.0608321	12.83	0.0153205	254.19	31.92268	0.15	0.5723976	1.39	78.4721	0.70	1.590737	31.82	0.0000000	0.00	0.1220404	2.66
13D04103	7.3 %	✓	0.0059819	40.80	0.0000000	0.00	0.3579155	0.47	0.0000000	0.00	1344.031	0.44	0.0011180	40.80	0.0000000	0.00	0.6084400	0.20	0.0965014	12.83	0.0000000	0.00	50.57268	0.11	0.9080275	1.39	124.9627	0.60	1.767664	40.80	0.0000000	0.00	0.1933394	2.66
13D04104	8.5 %	✓	0.0053612	52.35	0.0000000	0.00	0.4430022	0.47	0.0000000	0.00	1663.546	0.44	0.0010020	52.35	0.0000000	0.00	0.7603681	0.19	0.1194426	12.83	0.0000000	0.00	63.20074	0.10	1.1238914	1.39	156.1407	0.55	1.584228	52.35	0.0000000	0.00	0.2416164	2.66
13D04105	9.7 %	✓	0.0052263	52.57	0.0000000	0.00	0.4347078	0.47	0.0000000	0.00	1632.399	0.44	0.0009768	52.57	0.0000000	0.00	0.7598902	0.19	0.1172062	12.83	0.0000000	0.00	63.16102	0.10	1.1028486	1.39	156.1294	0.54	1.544376	52.57	0.0000000	0.00	0.2414646	2.66
13D04107	10.9 %	✓	0.0006106	416.71	0.0000000	0.00	0.3767212	0.47	0.0000000	0.00	1414.650	0.44	0.0001141	416.71	0.0000000	0.00	0.6764939	0.19	0.1015718	12.83	0.0000000	0.00	56.22924	0.10	0.9557373	1.39	140.5390	0.56	0.180424	416.71	0.0000000	0.00	0.2149644	2.66
13D04109	13.9 %	✓	0.0042499	41.75	0.0000000	0.00	0.2311879	0.47	0.0000000	0.00	868.148	0.45	0.0007943	41.75	0.0000000	0.00	0.4390096	0.21	0.0623331	12.83	0.0000000	0.00	36.48987	0.14	0.5865210	1.39	90.8149	0.62	1.255859	41.75	0.0000000	0.00	0.1395008	2.66
13D04111	15.7 %	✓	0.0027910	52.93	0.0000000	0.00	0.1708057	0.48	0.0000000	0.00	641.403	0.46	0.0005216	52.93	0.0000000	0.00	0.3272632	0.24	0.0460528	12.83	0.0000000	0.00	27.20166	0.18	0.4333320	1.40	67.9902	0.71	0.824753	52.93	0.0000000	0.00	0.1039920	2.67
13D04112	18.0 %	✓	0.0056755	20.82	0.0000000	0.00	0.1342295	0.49	0.0000000	0.00	504.054	0.47	0.0010608	20.82	0.0000000	0.00	0.2537057	0.27	0.0361911	12.83	0.0000000	0.00	21.08766	0.22	0.3405387	1.40	52.7282	0.77	1.677111	20.82	0.0000000	0.00	0.0806181	2.67
13D04113	20.5 %	✓	0.0022010	47.82	0.0000000	0.00	0.0860334	0.53	0.0000000	0.00	323.069	0.51	0.0004114	47.82	0.0000000	0.00	0.1597389	0.38	0.0231964	12.83	0.0000000	0.00	13.27728	0.35	0.2182656	1.41	33.4558	1.12	0.650396	47.82	0.0000000	0.00	0.0507590	2.68
13D04115	23.0 %	✓	0.0020874	39.86	0.0000000	0.00	0.0590827	0.59	0.0000000	0.00	221.865	0.57	0.0003901	39.86	0.0000000	0.00	0.1106688	0.51	0.0159299	12.83	0.0000000	0.00	9.19864	0.49	0.1498920	1.44	23.2569	1.39	0.616813	39.86	0.0000000	0.00	0.0351664	2.70
		Σ	0.0605703	11.01	0.0000000	0.00	2.8209634	0.15	0.0000844	33.90	10593.178	0.15	0.0113206	11.01	0.0000000	0.00	4.9882172	0.07	0.7605902	4.17	0.3712280	33.89	414.61368	0.05	7.1567512	0.45	1029.1249	0.21	17.898526	11.01	0.0000000	0.00	1.5850681	0.86
		Σ							2.8816180	0.28	10593.178	0.15									6.1313560	2.12			421.77043	0.05							1048.6085	0.28

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D04089	1.6 %		8.465835	6.019917	58.692844	37.744363	0.019411	0.013887	139.899	15.891098	1.00098850	2.830E-14
13D04091	2.0 %		4.996613	0.885293	29.850099	4.381534	0.014553	0.002397	139.917	15.896548	1.00098862	8.000E-14
13D04092	2.4 %		3.292602	0.255927	24.987364	1.328465	0.008584	0.000680	139.925	15.899165	1.00098868	1.559E-13
13D04093	2.8 %	✓	2.856285	0.149409	26.086418	0.855808	0.008813	0.000413	139.934	15.902000	1.00098874	2.258E-13
13D04095	3.2 %	✓	2.742607	0.091544	26.130138	0.538371	0.007950	0.000266	139.951	15.907236	1.00098886	3.480E-13
13D04096	3.6 %	✓	2.585465	0.065329	26.258973	0.391849	0.007369	0.000189	139.960	15.910073	1.00098893	4.505E-13
13D04097	4.0 %	✓	2.610050	0.043145	26.612657	0.281038	0.007562	0.000137	139.968	15.912692	1.00098899	6.989E-13
13D04099	4.5 %	✓	2.499204	0.027564	26.312405	0.198737	0.007419	0.000100	139.985	15.918149	1.00098911	1.035E-12
13D04100	5.2 %	✓	2.479223	0.012424	26.189176	0.138152	0.007213	0.000058	139.994	15.920988	1.00098917	2.323E-12
13D04101	6.1 %	✓	2.467602	0.007492	26.072971	0.123643	0.007109	0.000042	140.003	15.923609	1.00098923	3.849E-12
13D04103	7.3 %	✓	2.465461	0.004912	26.107472	0.119210	0.007069	0.000035	140.020	15.929070	1.00098935	6.092E-12
13D04104	8.5 %	✓	2.455770	0.004053	25.861720	0.117099	0.006970	0.000030	140.028	15.931693	1.00098941	7.582E-12
13D04105	9.7 %	✓	2.457295	0.004026	25.401502	0.114877	0.006846	0.000029	140.037	15.934534	1.00098948	7.580E-12
13D04107	10.9 %	✓	2.458226	0.004467	24.738135	0.112484	0.006577	0.000033	140.054	15.939780	1.00098959	6.748E-12
13D04109	13.9 %	✓	2.487033	0.006676	23.415127	0.109931	0.006350	0.000039	140.072	15.945247	1.00098972	4.426E-12
13D04111	15.7 %	✓	2.493900	0.008795	23.209819	0.113970	0.006282	0.000046	140.089	15.950716	1.00098984	3.308E-12
13D04112	18.0 %	✓	2.542719	0.011257	23.522916	0.121071	0.006529	0.000048	140.098	15.953561	1.00098990	2.615E-12
13D04113	20.5 %	✓	2.530984	0.017891	23.938963	0.146535	0.006538	0.000074	140.106	15.956187	1.00098996	1.640E-12
13D04115	23.0 %	✓	2.557501	0.025706	23.732620	0.176330	0.006543	0.000087	140.124	15.961659	1.00099008	1.148E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D04089	1.6 %	0.0116596 ± 0.0003820	0.0262090 ± 0.0378825	0.0268595 ± 0.0284130	0.0597399 ± 0.0345088	3.0254043 ± 0.2099789
13D04091	2.0 %	0.0112665 ± 0.0003820	0.0057749 ± 0.0378825	0.0368741 ± 0.0284130	0.0592216 ± 0.0345088	3.0737714 ± 0.2099789
13D04092	2.4 %	0.0110951 ± 0.0003820	0.0160796 ± 0.0378825	0.0432635 ± 0.0284130	0.0559347 ± 0.0345088	3.0846714 ± 0.2099789
13D04093	2.8 %	0.0109284 ± 0.0003820	0.0241242 ± 0.0378825	0.0506158 ± 0.0284130	0.0509387 ± 0.0345088	3.0893049 ± 0.2099789
13D04095	3.2 %	0.0106847 ± 0.0003820	0.0318756 ± 0.0378825	0.0637441 ± 0.0284130	0.0396149 ± 0.0345088	3.0827229 ± 0.2099789
13D04096	3.6 %	0.0105922 ± 0.0003820	0.0329577 ± 0.0378825	0.0698692 ± 0.0284130	0.0332144 ± 0.0345088	3.0732153 ± 0.2099789
13D04097	4.0 %	0.0105332 ± 0.0003820	0.0324245 ± 0.0378825	0.0745452 ± 0.0284130	0.0275894 ± 0.0345088	3.0619818 ± 0.2099789
13D04099	4.5 %	0.0104926 ± 0.0003820	0.0277556 ± 0.0378825	0.0804782 ± 0.0284130	0.0178488 ± 0.0345088	3.0344425 ± 0.2099789
13D04100	5.2 %	0.0105139 ± 0.0003820	0.0239921 ± 0.0378825	0.0812633 ± 0.0284130	0.0142889 ± 0.0345088	3.0195284 ± 0.2099789
13D04101	6.1 %	0.0105571 ± 0.0003820	0.0200148 ± 0.0378825	0.0805243 ± 0.0284130	0.0121050 ± 0.0345088	3.0062489 ± 0.2099789
13D04103	7.3 %	0.0107087 ± 0.0003820	0.0109951 ± 0.0378825	0.0746169 ± 0.0284130	0.0112199 ± 0.0345088	2.9822053 ± 0.2099789
13D04104	8.5 %	0.0108038 ± 0.0003820	0.0066480 ± 0.0378825	0.0698903 ± 0.0284130	0.0125568 ± 0.0345088	2.9732071 ± 0.2099789
13D04105	9.7 %	0.0109165 ± 0.0003820	0.0021375 ± 0.0378825	0.0636412 ± 0.0284130	0.0152053 ± 0.0345088	2.9657768 ± 0.2099789
13D04107	10.9 %	0.0111291 ± 0.0003820	0.0051999 ± 0.0378825	0.0500331 ± 0.0284130	0.0228431 ± 0.0345088	2.9591551 ± 0.2099789
13D04109	13.9 %	0.0113109 ± 0.0003820	0.0109101 ± 0.0378825	0.0353371 ± 0.0284130	0.0331536 ± 0.0345088	2.9625746 ± 0.2099789
13D04111	15.7 %	0.0113854 ± 0.0003820	0.0142591 ± 0.0378825	0.0237732 ± 0.0284130	0.0433872 ± 0.0345088	2.9760157 ± 0.2099789
13D04112	18.0 %	0.0113557 ± 0.0003820	0.0150385 ± 0.0378825	0.0205052 ± 0.0284130	0.0475985 ± 0.0345088	2.9864085 ± 0.2099789
13D04113	20.5 %	0.0112727 ± 0.0003820	0.0152019 ± 0.0378825	0.0199965 ± 0.0284130	0.0501892 ± 0.0345088	2.9976395 ± 0.2099789
13D04115	23.0 %	0.0108807 ± 0.0003820	0.0140457 ± 0.0378825	0.0296147 ± 0.0284130	0.0493551 ± 0.0345088	3.0242674 ± 0.2099789

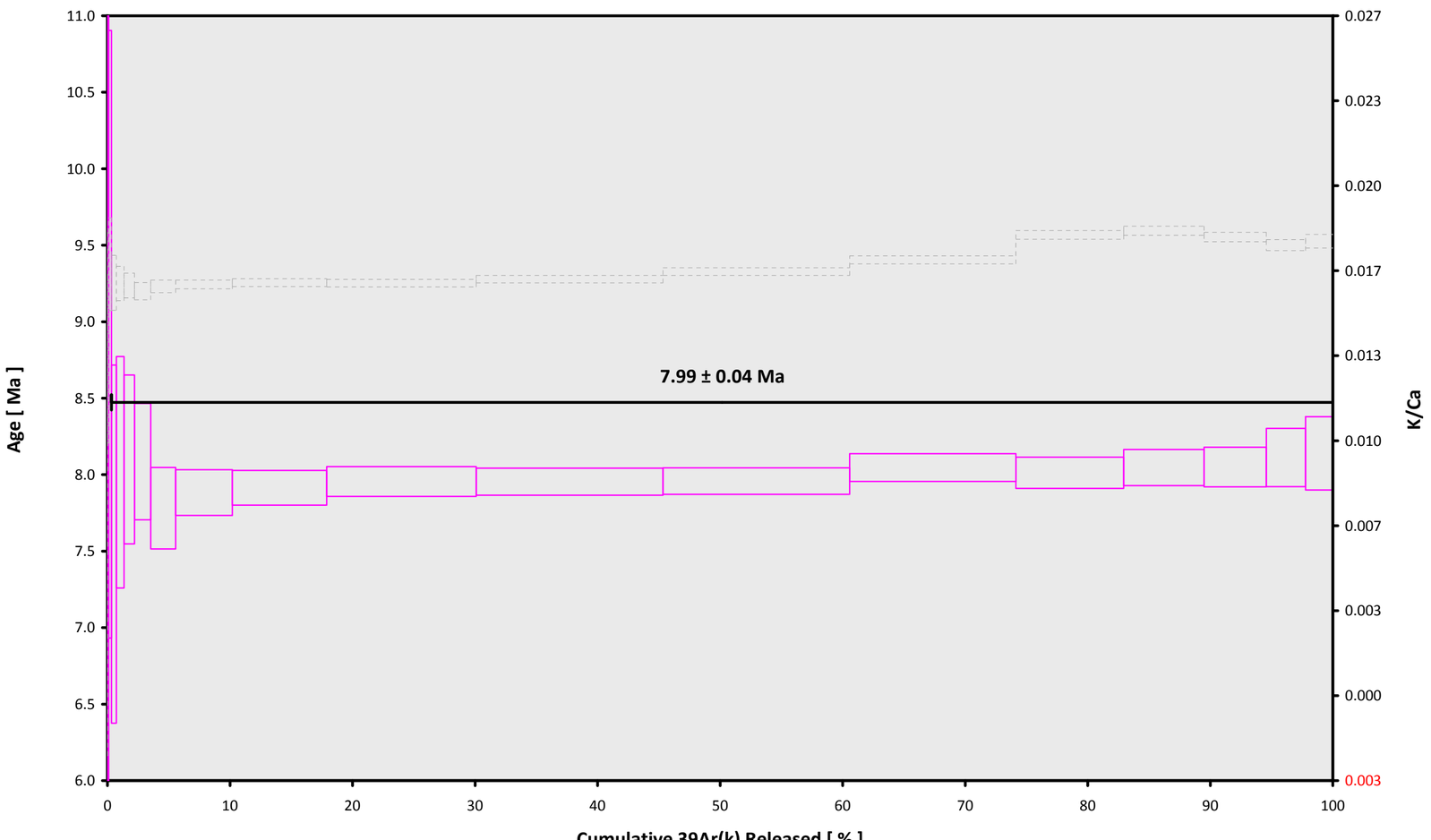
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D04089	1.6 %	0.0129769 ± 0.0002954	0.6904	EXP 149 of 150	0.278830 ± 0.029463	0.0276	EXP 150 of 150	0.0386164 ± 0.0284641	0.0111	EXP 150 of 150	0.1289024 ± 0.0247920	0.0255	EXP 150 of 150	3.616341 ± 0.025976	0.9897	EXP 149 of 150
13D04091	2.0 %	0.0159965 ± 0.0003447	0.4817	EXP 150 of 150	0.609350 ± 0.030441	0.0133	EXP 150 of 150	0.0138909 ± 0.0285555	0.0220	EXP 150 of 150	0.3904698 ± 0.0220503	0.0200	EXP 150 of 150	4.744205 ± 0.029234	0.9846	EXP 150 of 150
13D04092	2.4 %	0.0193450 ± 0.0003971	0.4558	EXP 150 of 150	1.506248 ± 0.029598	0.0746	EXP 149 of 150	0.0492638 ± 0.0279838	0.0136	EXP 150 of 150	1.0354128 ± 0.0233508	0.0717	EXP 150 of 150	6.339544 ± 0.027189	0.9843	EXP 150 of 150
13D04093	2.8 %	0.0250714 ± 0.0003869	0.4009	EXP 150 of 150	2.629134 ± 0.031147	0.1358	EXP 149 of 150	0.0025890 ± 0.0271192	0.0007	EXP 150 of 150	1.6864352 ± 0.0268608	0.0701	EXP 150 of 150	7.803973 ± 0.028799	0.9803	EXP 149 of 150
13D04095	3.2 %	0.0311609 ± 0.0004556	0.2739	EXP 150 of 150	4.232238 ± 0.033239	0.3337	EXP 150 of 150	0.0261723 ± 0.0266950	0.0005	EXP 149 of 150	2.6645256 ± 0.0252182	0.2357	EXP 150 of 150	10.348435 ± 0.026584	0.9780	EXP 150 of 150
13D04096	3.6 %	0.0366580 ± 0.0004558	0.2742	EXP 150 of 150	5.851006 ± 0.032852	0.5103	EXP 149 of 150	0.0228638 ± 0.0290694	0.0011	EXP 150 of 150	3.6381467 ± 0.0224376	0.5626	EXP 150 of 150	12.479883 ± 0.028852	0.9675	EXP 150 of 150
13D04097	4.0 %	0.0516372 ± 0.0005386	0.0290	EXP 150 of 150	9.129931 ± 0.032947	0.7177	EXP 150 of 150	0.0255430 ± 0.0276917	0.0148	EXP 150 of 150	5.5674040 ± 0.0265728	0.6385	EXP 150 of 150	17.654967 ± 0.029216	0.9462	EXP 150 of 150
13D04099	4.5 %	0.0728485 ± 0.0006643	0.0090	EXP 150 of 150	13.974463 ± 0.032425	0.8596	EXP 150 of 150	0.0578069 ± 0.0247468	0.0001	EXP 150 of 150	8.5835228 ± 0.0248957	0.8377	EXP 150 of 150	24.639892 ± 0.031414	0.8162	EXP 150 of 150
13D04100	5.2 %	0.1477204 ± 0.0009190	0.3267	EXP 149 of 150	31.513852 ± 0.033700	0.9662	EXP 150 of 150	0.2266723 ± 0.0243237	0.0129	EXP 150 of 150	19.4013869 ± 0.0299426	0.9488	EXP 150 of 150	51.529227 ± 0.031769	0.9250	EXP 150 of 150
13D04101	6.1 %	0.2356375 ± 0.0011043	0.5448	EXP 150 of 150	52.231535 ± 0.035557	0.9859	EXP 149 of 150	0.3751690 ± 0.0247471	0.0114	EXP 149 of 150	32.2809004 ± 0.0263156	0.9854	EXP 150 of 150	83.369592 ± 0.034961	0.9884	EXP 150 of 150
13D04103	7.3 %	0.3652692 ± 0.0014217	0.7191	EXP 150 of 150	82.850253 ± 0.034162	0.9947	EXP 150 of 150	0.5836477 ± 0.0273744	0.0022	EXP 150 of 150	51.1334297 ± 0.0289278	0.9928	EXP 150 of 150	130.188347 ± 0.034948	0.9970	EXP 150 of 150
13D04104	8.5 %	0.4476629 ± 0.0014184	0.7918	EXP 150 of 150	102.536187 ± 0.041408	0.9950	EXP 150 of 150	0.7623535 ± 0.0266905	0.0229	EXP 150 of 150	63.8892390 ± 0.0295293	0.9953	EXP 150 of 150	161.291240 ± 0.040716	0.9977	EXP 150 of 150
13D04105	9.7 %	0.4395627 ± 0.0013791	0.7796	EXP 150 of 150	100.602834 ± 0.036589	0.9959	EXP 150 of 150	0.7868060 ± 0.0253162	0.0187	EXP 150 of 150	63.8315448 ± 0.0276335	0.9958	EXP 150 of 150	161.232442 ± 0.035737	0.9982	EXP 150 of 150
13D04107	10.9 %	0.3775895 ± 0.0014728	0.6562	EXP 150 of 150	87.161560 ± 0.035541	0.9949	EXP 150 of 150	0.6635513 ± 0.0258487	0.0138	EXP 150 of 150	56.8095777 ± 0.0282816	0.9944	EXP 150 of 150	143.845524 ± 0.037095	0.9974	EXP 150 of 150
13D04109	13.9 %	0.2407078 ± 0.0011678	0.5359	EXP 150 of 150	53.479069 ± 0.029498	0.9906	EXP 150 of 150	0.4148768 ± 0.0279603	0.0027	EXP 150 of 150	36.8513362 ± 0.0296994	0.9855	EXP 150 of 150	95.377978 ± 0.032078	0.9939	EXP 150 of 150
13D04111	15.7 %	0.1805279 ± 0.0010448	0.3606	EXP 149 of 150	39.503930 ± 0.037210	0.9723	EXP 150 of 150	0.3450173 ± 0.0270229	0.0594	EXP 150 of 150	27.4859249 ± 0.0276165	0.9775	EXP 150 of 150	72.048302 ± 0.031580	0.9858	EXP 150 of 150
13D04112	18.0 %	0.1476710 ± 0.0008021	0.4244	EXP 150 of 150	31.042897 ± 0.033512	0.9641	EXP 150 of 150	0.2243486 ± 0.0259491	0.0000	EXP 150 of 150	21.3265673 ± 0.0259900	0.9673	EXP 150 of 150	57.593537 ± 0.029744	0.9693	EXP 149 of 150
13D04113	20.5 %	0.0972432 ± 0.0008126	0.0742	EXP 150 of 150	19.898989 ± 0.033400	0.9190	EXP 150 of 150	0.1598347 ± 0.0234690	0.0005	EXP 150 of 150	13.4517432 ± 0.0289694	0.9033	EXP 149 of 150	37.230650 ± 0.027599	0.5707	EXP 150 of 150
13D04115	23.0 %	0.0704812 ± 0.0006111	0.0051	EXP 150 of 150	13.664383 ± 0.031600	0.8481	EXP 150 of 150	0.0803635 ± 0.0268220	0.0051	EXP 149 of 150	9.3327741 ± 0.0272341	0.8297	EXP 150 of 150	26.986338 ± 0.028563	0.4896	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D04089	1.6 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04091	2.0 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04092	2.4 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04093	2.8 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04095	3.2 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04096	3.6 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04097	4.0 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04099	4.5 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04100	5.2 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04101	6.1 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04103	7.3 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04104	8.5 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04105	9.7 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04107	10.9 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04109	13.9 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04111	15.7 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04112	18.0 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04113	20.5 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	01
13D04115	23.0 %	Susan Schnur	13-OSU-05			3.97	Walvis Ridge\MV1203 (13-INT-04)	13D04088	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
13D04089	1.6 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	19	11	1
13D04091	2.0 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	19	36	1
13D04092	2.4 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	19	48	1
13D04093	2.8 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	20	1	1
13D04095	3.2 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	20	25	1
13D04096	3.6 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	20	38	1
13D04097	4.0 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	20	50	1
13D04099	4.5 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	21	15	1
13D04100	5.2 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	21	28	1
13D04101	6.1 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	21	40	1
13D04103	7.3 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	22	5	1
13D04104	8.5 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	22	17	1
13D04105	9.7 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	22	30	1
13D04107	10.9 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	22	54	1
13D04109	13.9 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	23	19	1
13D04111	15.7 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	23	44	1
13D04112	18.0 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	8	NOV	2013	23	57	1
13D04113	20.5 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	9	NOV	2013	0	9	1
13D04115	23.0 %	MV1203-D45-01	Plagioclase	Grey Seamount	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.80841	0.131	0.00178436	0.131	302.748	0.096	0.99400709	0.063	1	4.8E-14	9	NOV	2013	0	34	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
13D04089	1.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04091	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04092	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04093	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04095	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04096	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04097	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04099	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04100	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04101	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04103	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04104	8.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04105	9.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04107	10.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04109	13.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04111	15.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04112	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04113	20.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04115	23.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

13D04088.AGE >>> MV1203-D45-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
7.99 ± 0.04
TOTAL FUSION
7.99 ± 0.04
NORMAL ISOCHRON
8.04 ± 0.05
INVERSE ISOCHRON
7.97 ± 0.06

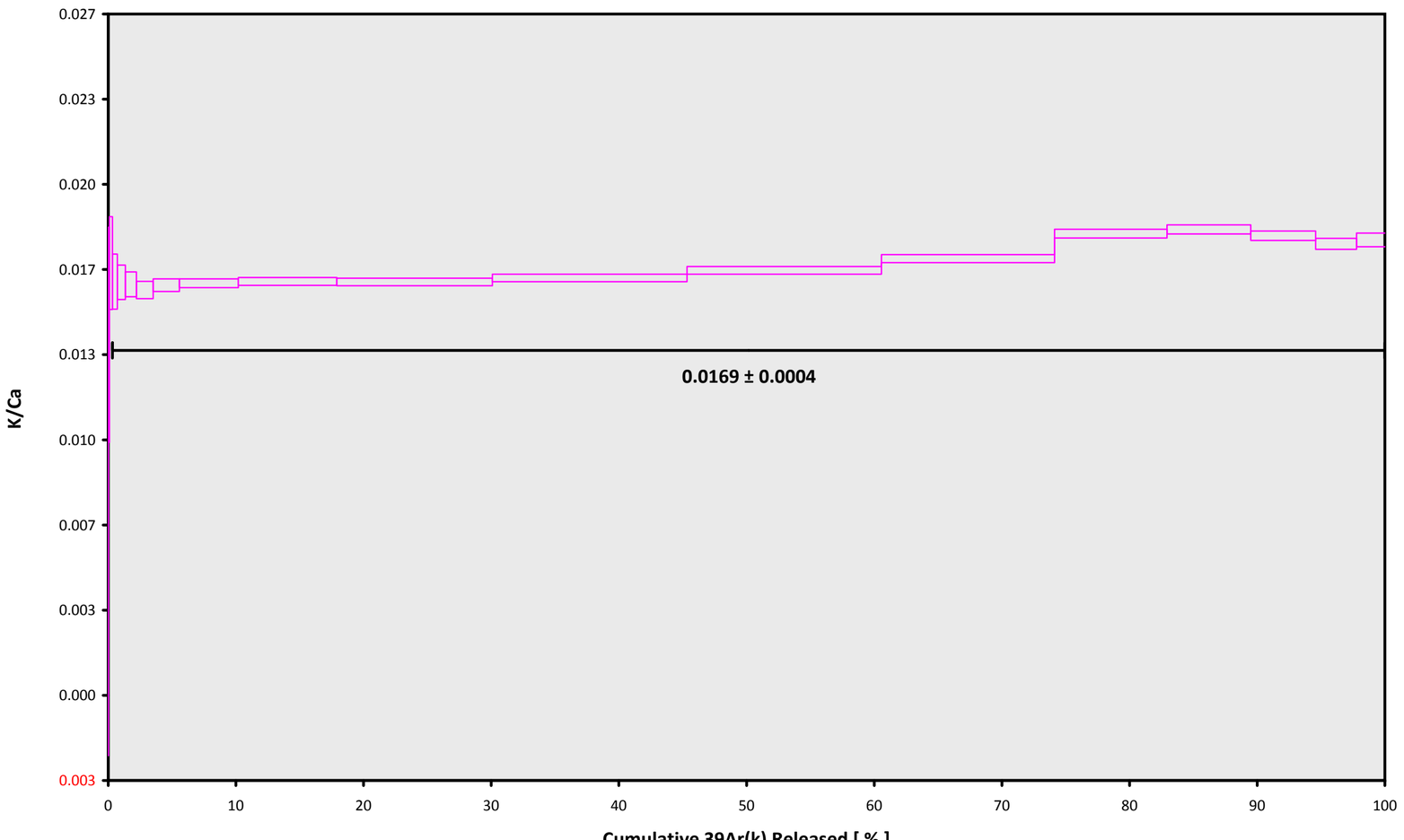
MSWD (PROBABILITY)
1.05 (40%)

Sample Info

Plagioclase
Grey Seamount
Susan Schnur

IRR = 13-OSU-05
J = 0.00178436 ± 0.00000234

13D04088.AGE >>> MV1203-D45-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

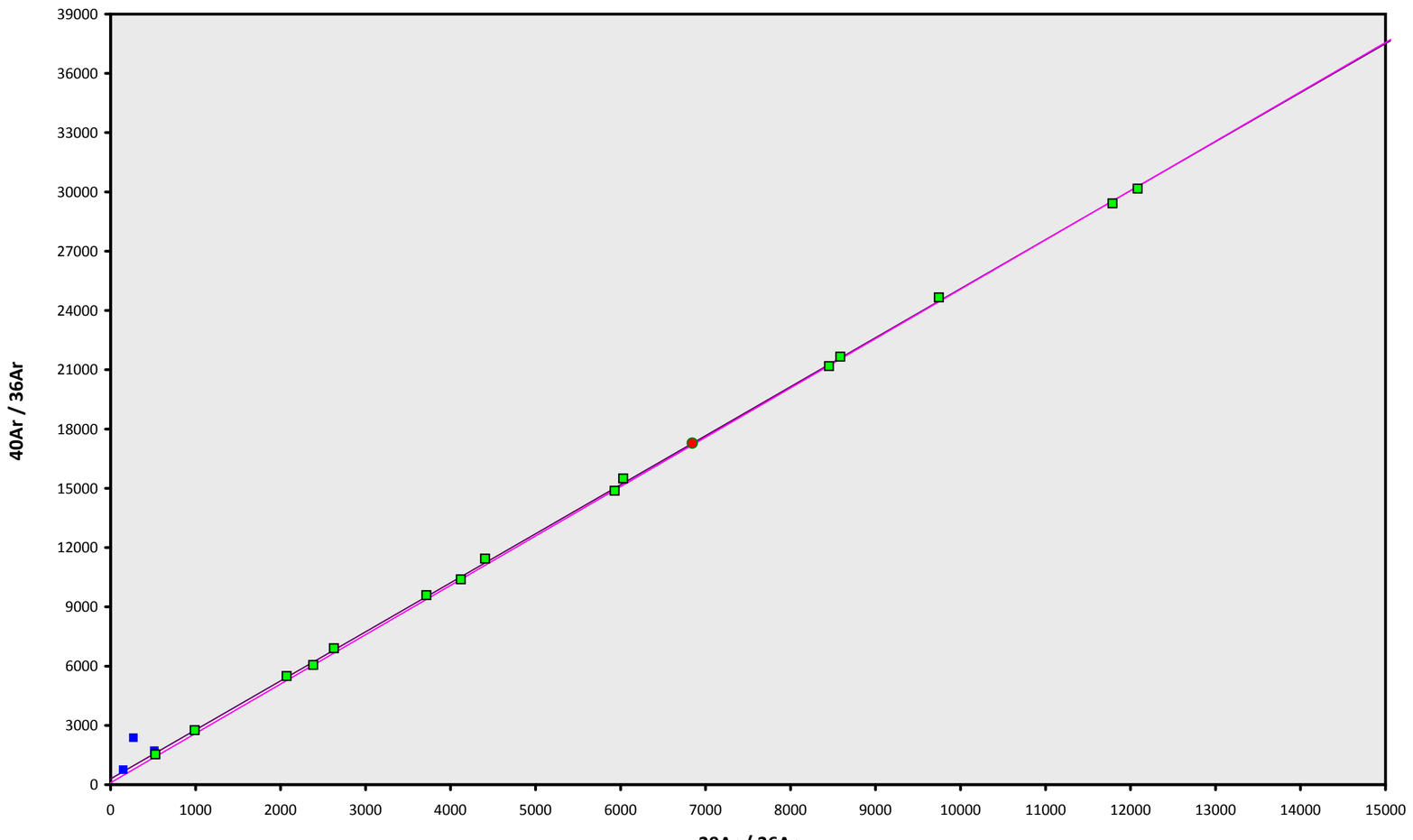
WEIGHTED PLATEAU
7.99 ± 0.04
TOTAL FUSION
7.99 ± 0.04
NORMAL ISOCHRON
8.04 ± 0.05
INVERSE ISOCHRON
7.97 ± 0.06

Sample Info

Plagioclase
Grey Seamount
Susan Schnur

IRR = 13-OSU-05
J = 0.00178436 ± 0.00000234

13D04088.AGE >>> MV1203-D45-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
7.99 ± 0.04
TOTAL FUSION
7.99 ± 0.04
NORMAL ISOCHRON
8.04 ± 0.05
INVERSE ISOCHRON
7.97 ± 0.06

MSWD (PROBABILITY)
2.51 (0%)

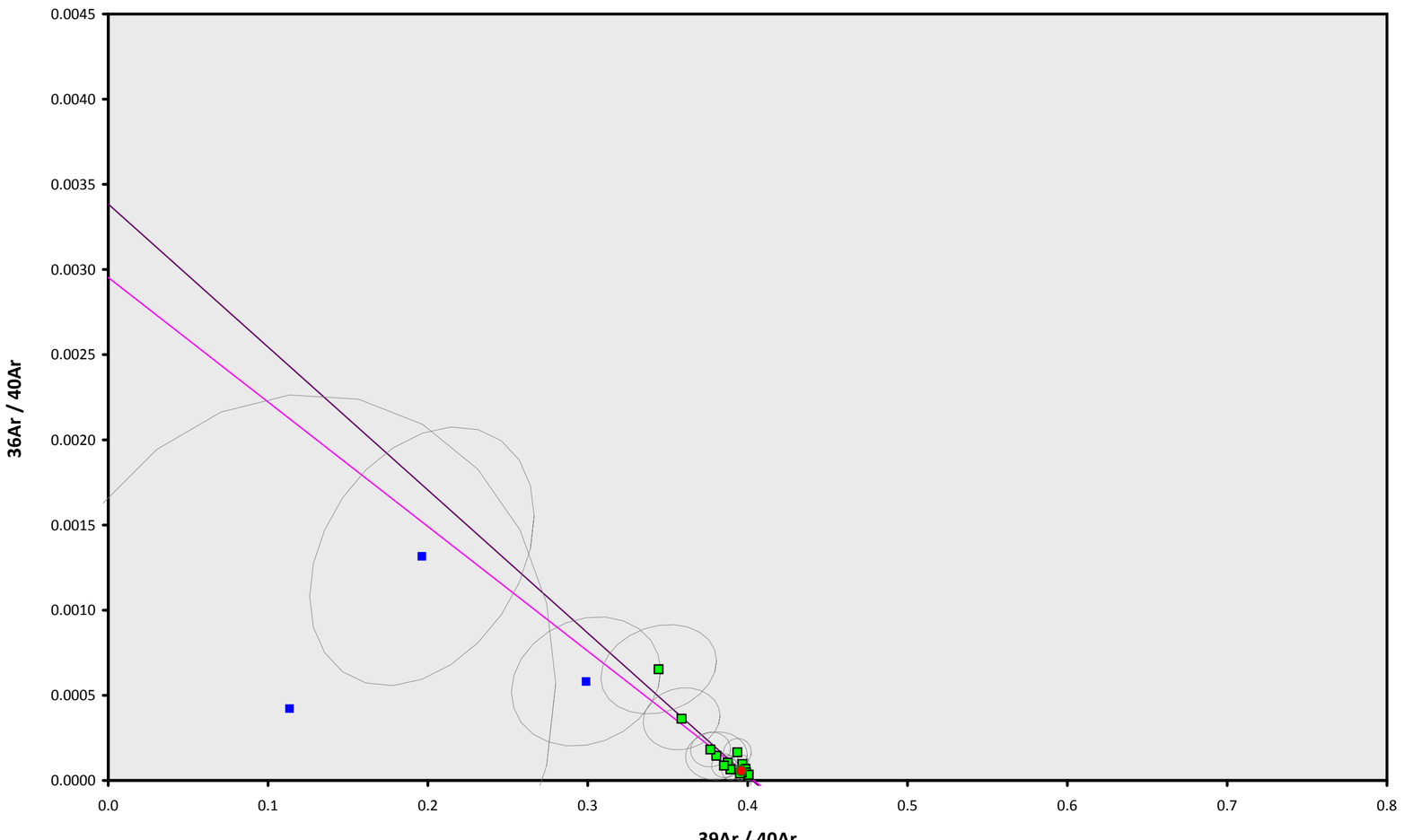
40AR/36AR INTERCEPT
95.0 ± 113.1

Sample Info

Plagioclase
Grey Seamount
Susan Schnur

IRR = 13-OSU-05
J = 0.00178436 ± 0.00000234

13D04088.AGE >>> MV1203-D45-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
7.99 ± 0.04
TOTAL FUSION
7.99 ± 0.04
NORMAL ISOCHRON
8.04 ± 0.05
INVERSE ISOCHRON
7.97 ± 0.06

MSWD (PROBABILITY)
1.07 (38%)

SPREADING FACTOR
13.9%

40AR/36AR INTERCEPT
338.6 ± 117.0

Sample Info

Plagioclase
Grey Seamount
Susan Schnur

IRR = 13-OSU-05
J = 0.00178436 ± 0.00000234