

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
16D16135	1.0 %	0.0032202	9.621	0.118783	423.146	0.036894	61.676	2.1389	1.162	28.702	0.224	12.96587 ± 0.32102	40.24 ± 0.99	96.63	0.09	7.7 ± 65.5
16D16137	1.4 %	0.0016799	18.717	0.010203	4893.049	0.030622	76.761	3.9873	0.628	48.779	0.133	12.10548 ± 0.16342	37.60 ± 0.50	98.95	0.17	168.0 ± 16444.6
16D16138	1.8 %	0.0021391	14.449	0.086228	587.420	0.113498	20.911	8.2963	0.303	100.506	0.065	12.03548 ± 0.07834	37.38 ± 0.24	99.35	0.35	41.4 ± 486.1
16D16140	2.0 %	0.0018514	17.050	0.541607	92.375	0.097499	23.018	9.5176	0.273	113.237	0.058	11.84122 ± 0.06958	36.79 ± 0.21	99.52	0.41	7.6 ± 14.0
16D16141	2.4 %	0.0023337	13.662	0.575273	86.130	0.147652	16.284	16.7704	0.166	199.420	0.034	11.84920 ± 0.04189	36.81 ± 0.13	99.64	0.72	12.5 ± 21.6
16D16142	2.8 %	✓0.0021182	14.776	0.088233	573.116	0.222847	11.591	18.9905	0.151	223.855	0.031	11.75137 ± 0.03773	36.51 ± 0.12	99.69	0.81	92.5 ± 1060.8
16D16144	3.2 %	✓0.0026137	12.670	0.733426	68.664	0.318662	7.193	26.4084	0.117	312.173	0.022	11.79031 ± 0.02922	36.63 ± 0.09	99.74	1.13	15.5 ± 21.3
16D16145	3.6 %	✓0.0022821	13.981	0.574326	90.341	0.289139	8.315	27.1351	0.120	320.398	0.022	11.77700 ± 0.02982	36.59 ± 0.09	99.74	1.16	20.3 ± 36.7
16D16146	4.0 %	✓0.0044265	8.430	0.809659	62.085	0.677503	3.997	57.7373	0.084	679.970	0.011	11.75171 ± 0.02030	36.51 ± 0.06	99.78	2.46	30.7 ± 38.1
16D16148	4.5 %	✓0.0064585	6.326	1.966908	25.668	1.207784	1.910	102.8890	0.076	1210.799	0.007	11.74730 ± 0.01803	36.50 ± 0.06	99.82	4.39	22.5 ± 11.5
16D16149	5.0 %	✓0.0058462	6.119	1.982116	25.634	1.249488	1.882	106.6702	0.075	1255.087	0.007	11.74764 ± 0.01771	36.50 ± 0.05	99.84	4.55	23.1 ± 11.9
16D16150	5.5 %	✓0.0031656	11.424	1.354908	36.945	0.896418	2.594	74.4202	0.079	875.952	0.009	11.75553 ± 0.01903	36.52 ± 0.06	99.87	3.18	23.6 ± 17.5
16D16152	6.0 %	✓0.0056514	6.709	3.087579	15.957	1.402584	1.758	117.3791	0.074	1381.075	0.006	11.75017 ± 0.01754	36.51 ± 0.05	99.86	5.01	16.3 ± 5.2
16D16153	6.7 %	✓0.0081368	5.070	2.064050	24.548	1.752001	1.320	148.2768	0.073	1745.308	0.006	11.75177 ± 0.01728	36.51 ± 0.05	99.84	6.33	30.9 ± 15.2
16D16154	7.4 %	✓0.0110918	4.045	3.611081	13.746	2.109705	1.106	178.7268	0.072	2103.966	0.004	11.75156 ± 0.01712	36.51 ± 0.05	99.83	7.63	21.3 ± 5.9
16D16156	8.3 %	✓0.0150708	2.986	5.724725	8.858	3.288614	0.727	275.0214	0.071	3238.489	0.003	11.75720 ± 0.01673	36.53 ± 0.05	99.84	11.74	20.7 ± 3.7
16D16157	9.5 %	✓0.0139066	3.464	5.697018	8.945	3.602299	0.681	298.8354	0.071	3520.044	0.003	11.76328 ± 0.01675	36.55 ± 0.05	99.86	12.76	22.6 ± 4.0
16D16158	11.0 %	✓0.0121927	4.015	5.647675	8.985	3.407601	0.740	284.9230	0.071	3355.872	0.003	11.76342 ± 0.01674	36.55 ± 0.05	99.87	12.16	21.7 ± 3.9
16D16160	13.0 %	✓0.0070636	6.029	3.211138	15.630	1.943302	1.204	161.3673	0.073	1898.951	0.005	11.75284 ± 0.01722	36.51 ± 0.05	99.87	6.89	21.6 ± 6.8
16D16161	15.5 %	✓0.0056097	6.936	2.741587	18.607	1.754380	1.380	147.1998	0.073	1734.751	0.005	11.77153 ± 0.01731	36.57 ± 0.05	99.88	6.28	23.1 ± 8.6
16D16163	18.5 %	0.0022536	17.045	2.311229	21.734	1.387198	1.663	117.8100	0.074	1389.521	0.006	11.78682 ± 0.01761	36.62 ± 0.05	99.93	5.03	21.9 ± 9.5
16D16164	21.5 %	0.0022373	17.543	1.709571	29.104	0.984339	2.291	81.8936	0.078	967.713	0.008	11.80664 ± 0.01884	36.68 ± 0.06	99.91	3.50	20.6 ± 12.0
16D16166	23.0 %	0.0011685	30.394	1.626479	30.956	0.907038	2.601	76.0387	0.079	899.209	0.009	11.81916 ± 0.01912	36.72 ± 0.06	99.94	3.25	20.1 ± 12.4
Σ		0.1225179	1.486	44.887583	5.381	27.827068	0.411	2342.4331	0.020	27603.777	0.001					

Information on Analysis and Constants Used in Calculations
Project = MV1203 (13-INT-04) Sample = MV1203-D24-03 Material = K-Feldspar Location = Coleridge Guyot Region = Walvis Ridge Analyst = Susan Schnur Irradiation = 15-OSU-07 (7B10-15) Position = X: 0 Y: 0 Z/H: 16.83 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 9.05616 ± 0.01286 FCT-NM J-value = 0.00173555 ± 0.00000246 Air Shot 40Ar/36Ar = 304.5130 ± 0.4872 Air Shot MDF = 0.99259092 ± 0.00069462 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 77 sec Isolation = 1.50 min Instrument = ARGUS-VI-D Preferred Age = Plateau Age Age Classification = Eruption Age IGSN = IESS10091 Rock Class = Igneous>Volcanic>Mafic Lithology = Trachyte Lat-Lon = 34°47.9'S - 5°03.8'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		11.75708 ± 0.00510 ± 0.04% Full External Error ± 0.83 Analytical Error ± 0.02	36.53 ± 0.10 ± 0.28%	1.09 36% 1.76 1.0432	86.49 15	21.1 ± 1.7
Total Fusion Age		11.76661 ± 0.00480 ± 0.04% Full External Error ± 0.83 Analytical Error ± 0.01	36.56 ± 0.10 ± 0.28%		23	22.4 ± 2.4
Normal Isochron	259.11 ± 323.41 #####	11.75888 ± 0.01692 ± 0.14% Full External Error ± 0.83 Analytical Error ± 0.05	36.53 ± 0.12 ± 0.32%	1.08 37% 1.78 1.0393 1 0.0000005119	86.49 15	2σ Confidence Limit Error Magnification Number of Iterations Convergence
Inverse Isochron Clustered Points	405.49 ± 193.66 ± 47.76%	11.75156 ± 0.01728 ± 0.15% Full External Error ± 0.83 Analytical Error ± 0.05	36.51 ± 0.12 ± 0.32%	1.13 32% 1.78 1.0645	86.49 15	2σ Confidence Limit Error Magnification Number of Iterations Convergence Spreading Factor
Notes Good plateau				0.0000208569 0%		

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
16D16135	1.0 %		0.0032496	0.118783	0.0105615	2.1390	27.734	40.24 ± 0.99	96.63	0.09	7.7 ± 65.5
16D16137	1.4 %		0.0016772	0.010203	0.0000000	3.9873	48.268	37.60 ± 0.50	98.95	0.17	168.0 ± 16444.6
16D16138	1.8 %		0.0021133	0.086228	0.0132843	8.2963	99.850	37.38 ± 0.24	99.35	0.35	41.4 ± 486.1
16D16140	2.0 %		0.0017072	0.541607	0.0000000	9.5173	112.696	36.79 ± 0.21	99.52	0.41	7.6 ± 14.0
16D16141	2.4 %		0.0021805	0.575273	0.0000000	16.7700	198.712	36.81 ± 0.13	99.64	0.72	12.5 ± 21.6
16D16142	2.8 %	✓	0.0020947	0.088233	0.0000000	18.9904	223.163	36.51 ± 0.12	99.69	0.81	92.5 ± 1060.8
16D16144	3.2 %	✓	0.0024183	0.733426	0.0004441	26.4079	311.357	36.63 ± 0.09	99.74	1.13	15.5 ± 21.3
16D16145	3.6 %	✓	0.0024350	0.574326	0.0000000	27.1355	319.575	36.59 ± 0.09	99.74	1.16	20.3 ± 36.7
16D16146	4.0 %	✓	0.0042109	0.809659	0.0000000	57.7367	678.505	36.51 ± 0.06	99.78	2.46	30.7 ± 38.1
16D16148	4.5 %	✓	0.0059347	1.966908	0.0000000	102.8877	1208.652	36.50 ± 0.06	99.82	4.39	22.5 ± 11.5
16D16149	5.0 %	✓	0.0053184	1.982116	0.0000000	106.6689	1253.108	36.50 ± 0.05	99.84	4.55	23.1 ± 11.9
16D16150	5.5 %	✓	0.0028047	1.354908	0.0004577	74.4193	874.839	36.52 ± 0.06	99.87	3.18	23.6 ± 17.5
16D16152	6.0 %	✓	0.0048292	3.087579	0.0000000	117.3770	1379.199	36.51 ± 0.05	99.86	5.01	16.3 ± 5.2
16D16153	6.7 %	✓	0.0075872	2.064050	0.0000000	148.2754	1742.499	36.51 ± 0.05	99.84	6.33	30.9 ± 15.2
16D16154	7.4 %	✓	0.0101302	3.611081	0.0000000	178.7243	2100.289	36.51 ± 0.05	99.83	7.63	21.3 ± 5.9
16D16156	8.3 %	✓	0.0135463	5.724725	0.0000000	275.0175	3233.435	36.53 ± 0.05	99.84	11.74	20.7 ± 3.7
16D16157	9.5 %	✓	0.0123886	5.697018	0.0043327	298.8315	3515.241	36.55 ± 0.05	99.86	12.76	22.6 ± 4.0
16D16158	11.0 %	✓	0.0106887	5.647675	0.0000000	284.9191	3351.624	36.55 ± 0.05	99.87	12.16	21.7 ± 3.9
16D16160	13.0 %	✓	0.0062084	3.211138	0.0005262	161.3652	1896.499	36.51 ± 0.05	99.87	6.89	21.6 ± 6.8
16D16161	15.5 %	✓	0.0048796	2.741587	0.0000000	147.1980	1732.746	36.57 ± 0.05	99.88	6.28	23.1 ± 8.6
16D16163	18.5 %		0.0016381	2.311229	0.0000000	117.8084	1388.586	36.62 ± 0.05	99.93	5.03	21.9 ± 9.5
16D16164	21.5 %		0.0017820	1.709571	0.0000000	81.8924	966.874	36.68 ± 0.06	99.91	3.50	20.6 ± 12.0
16D16166	23.0 %		0.0007353	1.626479	0.0000000	76.0376	898.701	36.72 ± 0.06	99.94	3.25	20.1 ± 12.4
Σ			0.1105581	44.887583	0.0296065	2342.4028	27562.152				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% <i>,n</i>)	K/Ca ± 2σ
Project = MV1203 (13-INT-04) Sample = MV1203-D24-03 Material = K-Feldspar Location = Coleridge Guyot Region = Walvis Ridge Analyst = Susan Schnur Irradiation = 15-OSU-07 (7B10-15) J = 0.00173555 ± 0.00000246 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	11.75708 ± 0.00510 ± 0.04%	36.53 ± 0.10 ± 0.28% Full External Error ± 0.83 Analytical Error ± 0.02	1.09 36% 1.76 1.0432	86.49 15 2σ Confidence Limit Error Magnification	21.1 ± 1.7
	Total Fusion Age	11.76661 ± 0.00480 ± 0.04%	36.56 ± 0.10 ± 0.28% Full External Error ± 0.83 Analytical Error ± 0.01		23	22.4 ± 2.4

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D16135	1.0 %		658.23 ± 137.58	8830.00 ± 1834.64	0.9936
16D16137	1.4 %		2377.34 ± 968.25	29074.36 ± 11836.07	0.9995
16D16138	1.8 %		3925.67 ± 1253.20	47542.85 ± 15174.58	0.9998
16D16140	2.0 %		5574.77 ± 2237.90	66307.59 ± 26615.75	0.9999
16D16141	2.4 %		7690.82 ± 2434.13	91425.61 ± 28934.47	0.9999
16D16142	2.8 %	✓	9065.77 ± 2949.45	106830.66 ± 34754.72	1.0000
16D16144	3.2 %	✓	10919.89 ± 3227.02	129044.37 ± 38133.76	1.0000
16D16145	3.6 %	✓	11143.86 ± 3182.54	131536.75 ± 37563.92	1.0000
16D16146	4.0 %	✓	13711.39 ± 2581.82	161427.69 ± 30395.24	1.0000
16D16148	4.5 %	✓	17336.57 ± 2513.17	203953.34 ± 29564.13	0.9999
16D16149	5.0 %	✓	20056.68 ± 2884.83	235914.18 ± 33930.61	0.9999
16D16150	5.5 %	✓	26533.58 ± 7293.04	312211.85 ± 85813.33	1.0000
16D16152	6.0 %	✓	24305.93 ± 4038.86	285894.27 ± 47504.50	1.0000
16D16153	6.7 %	✓	19542.95 ± 2236.18	229959.79 ± 26310.71	0.9999
16D16154	7.4 %	✓	17642.72 ± 1629.25	207624.91 ± 19171.12	0.9999
16D16156	8.3 %	✓	20302.06 ± 1408.61	238990.86 ± 16578.38	0.9998
16D16157	9.5 %	✓	24121.55 ± 1949.25	284044.14 ± 22949.96	0.9998
16D16158	11.0 %	✓	26656.13 ± 2533.25	313862.86 ± 29824.43	0.9999
16D16160	13.0 %	✓	25991.43 ± 3737.97	305768.67 ± 43972.03	0.9999
16D16161	15.5 %	✓	30165.96 ± 5095.87	355395.10 ± 60033.90	1.0000
16D16163	18.5 %		71918.00 ± 35715.94	847979.81 ± 421122.09	1.0000
16D16164	21.5 %		45955.26 ± 21366.16	542872.57 ± 252398.47	1.0000
16D16166	23.0 %		103404.13 ± 106763.31	1222445.73 ± 1262156.55	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	259.11 ± 323.41 ± 124.82%	11.75888 ± 0.01692 ± 0.14%	36.53 ± 0.12 ± 0.32% Full External Error ± 0.83 Analytical Error ± 0.05	1.08 37%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.78 1.0393 15	Convergence Number of Iterations Calculated Line	0.000000511904 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
16D16135	1.0 %		0.0745445 ± 0.0017638	0.00011325 ± 0.00002353	0.0041
16D16137	1.4 %		0.0817676 ± 0.0010491	0.00003439 ± 0.00001400	0.0014
16D16138	1.8 %		0.0825713 ± 0.0005114	0.00002103 ± 0.00000671	0.0009
16D16140	2.0 %		0.0840744 ± 0.0004702	0.00001508 ± 0.00000605	0.0006
16D16141	2.4 %		0.0841211 ± 0.0002845	0.00001094 ± 0.00000346	0.0004
16D16142	2.8 %	✓	0.0848611 ± 0.0002614	0.00000936 ± 0.00000305	0.0004
16D16144	3.2 %	✓	0.0846212 ± 0.0002017	0.00000775 ± 0.00000229	0.0003
16D16145	3.6 %	✓	0.0847205 ± 0.0002075	0.00000760 ± 0.00000217	0.0003
16D16146	4.0 %	✓	0.0849383 ± 0.0001438	0.00000619 ± 0.00000117	0.0002
16D16148	4.5 %	✓	0.0850026 ± 0.0001292	0.00000490 ± 0.00000071	0.0001
16D16149	5.0 %	✓	0.0850168 ± 0.0001273	0.00000424 ± 0.00000061	0.0001
16D16150	5.5 %	✓	0.0849858 ± 0.0001358	0.00000320 ± 0.00000088	0.0001
16D16152	6.0 %	✓	0.0850172 ± 0.0001261	0.00000350 ± 0.00000058	0.0001
16D16153	6.7 %	✓	0.0849842 ± 0.0001243	0.00000435 ± 0.00000050	0.0001
16D16154	7.4 %	✓	0.0849740 ± 0.0001233	0.00000482 ± 0.00000044	0.0001
16D16156	8.3 %	✓	0.0849491 ± 0.0001206	0.00000418 ± 0.00000029	0.0000
16D16157	9.5 %	✓	0.0849218 ± 0.0001207	0.00000352 ± 0.00000028	0.0000
16D16158	11.0 %	✓	0.0849292 ± 0.0001206	0.00000319 ± 0.00000030	0.0000
16D16160	13.0 %	✓	0.0850036 ± 0.0001240	0.00000327 ± 0.00000047	0.0000
16D16161	15.5 %	✓	0.0848801 ± 0.0001243	0.00000281 ± 0.00000048	0.0000
16D16163	18.5 %		0.0848110 ± 0.0001258	0.00000118 ± 0.00000059	0.0000
16D16164	21.5 %		0.0846520 ± 0.0001334	0.00000184 ± 0.00000086	0.0000
16D16166	23.0 %		0.0845879 ± 0.0001352	0.00000082 ± 0.00000084	0.0000

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	405.49 ± 193.66		11.75156 ± 0.01728	36.51 ± 0.12	1.13
Clustered Points	± 47.76%		± 0.15%	± 0.32%	32%
			Full External Error ± 0.83		
			Analytical Error ± 0.05		
Statistics	2σ Confidence Limit	1.78	Convergence	0.0000208569	
	Error Magnification	1.0645	Number of Iterations	4	
	Number of Data Points	15	Calculated Line	Weighted York-2	
	Spreading Factor	0.5%			

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
16D16135	1.0 %	0.0032496	10.39	0.0000000	0.00	0.0000316	423.15	0.0000022	215.48	0.118783	423.15	0.0006073	10.39	0.0000000	0.00	0.025734	1.17	0.0000085	423.34	0.0105615	215.48	2.1390	1.16	0.0000802	423.15	27.734	0.43	0.960254	10.39	0.0000000	0.00	0.0081773	2.90
16D16137	1.4 %	0.0016772	20.35	0.0000000	0.00	0.0000027	#####	0.0000000	0.00	0.010203	#####	0.0003135	20.35	0.0000000	0.00	0.047971	0.65	0.0000007	#####	0.0000000	0.00	3.9873	0.63	0.0000069	#####	48.268	0.25	0.495617	20.35	0.0000000	0.00	0.0152435	2.73
16D16138	1.8 %	0.0021133	15.96	0.0000000	0.00	0.0000230	587.42	0.0000028	178.69	0.086228	587.42	0.0003950	15.96	0.0000000	0.00	0.099813	0.34	0.0000062	587.56	0.0132843	178.69	8.2963	0.30	0.0000583	587.42	99.850	0.12	0.624492	15.96	0.0000000	0.00	0.0317167	2.68
16D16140	2.0 %	0.0017072	20.07	0.0000000	0.00	0.0001442	92.38	0.0000000	0.00	0.541607	92.38	0.0003191	20.07	0.0000000	0.00	0.114502	0.32	0.0000389	93.26	0.0000000	0.00	9.5173	0.27	0.0003659	92.38	112.696	0.11	0.504478	20.07	0.0000000	0.00	0.0363845	2.67
16D16141	2.4 %	0.0021805	15.82	0.0000000	0.00	0.0001532	86.13	0.0000000	0.00	0.575273	86.13	0.0004075	15.82	0.0000000	0.00	0.201760	0.23	0.0000413	87.08	0.0000000	0.00	16.7700	0.17	0.0003887	86.14	198.712	0.06	0.644345	15.82	0.0000000	0.00	0.0641119	2.67
16D16142	2.8 %	✓ 0.0020947	16.27	0.0000000	0.00	0.0000235	573.12	0.0000000	0.00	0.088233	573.12	0.0003915	16.27	0.0000000	0.00	0.228474	0.22	0.0000063	573.26	0.0000000	0.00	18.9904	0.15	0.0000596	573.12	223.163	0.05	0.618995	16.27	0.0000000	0.00	0.0726003	2.66
16D16144	3.2 %	✓ 0.0024183	14.78	0.0000000	0.00	0.0001953	68.66	0.0000001	#####	0.733426	68.66	0.0004520	14.78	0.0000000	0.00	0.317713	0.20	0.0000527	69.85	0.0004441	#####	26.4079	0.12	0.0004955	68.68	311.357	0.04	0.714616	14.78	0.0000000	0.00	0.1009573	2.66
16D16145	3.6 %	✓ 0.0024350	14.28	0.0000000	0.00	0.0001529	90.34	0.0000000	0.00	0.574326	90.34	0.0004551	14.28	0.0000000	0.00	0.326467	0.20	0.0000412	91.25	0.0000000	0.00	27.1355	0.12	0.0003880	90.35	319.575	0.04	0.719548	14.28	0.0000000	0.00	0.1037391	2.66
16D16146	4.0 %	✓ 0.0042109	9.41	0.0000000	0.00	0.0002156	62.09	0.0000000	0.00	0.809659	62.09	0.0007870	9.41	0.0000000	0.00	0.694630	0.18	0.0000581	63.40	0.0000000	0.00	57.7367	0.08	0.0005470	62.10	678.505	0.02	1.244309	9.41	0.0000000	0.00	0.2207274	2.66
16D16148	4.5 %	✓ 0.0059347	7.25	0.0000000	0.00	0.0005238	25.67	0.0000000	0.00	1.966908	25.67	0.0011092	7.25	0.0000000	0.00	1.237841	0.18	0.0001412	28.69	0.0000000	0.00	102.8877	0.08	0.0013288	25.70	1208.652	0.01	1.753709	7.25	0.0000000	0.00	0.3933395	2.66
16D16149	5.0 %	✓ 0.0053184	7.19	0.0000000	0.00	0.0005278	25.63	0.0000000	0.00	1.982116	25.63	0.0009940	7.19	0.0000000	0.00	1.283334	0.18	0.0001423	28.66	0.0000000	0.00	106.6689	0.07	0.0013391	25.67	1253.108	0.01	1.571579	7.19	0.0000000	0.00	0.4077952	2.66
16D16150	5.5 %	✓ 0.0028047	13.74	0.0000000	0.00	0.0003608	36.95	0.0000001	#####	1.354908	36.95	0.0005242	13.74	0.0000000	0.00	0.895339	0.18	0.0000973	39.11	0.0004577	#####	74.4193	0.08	0.0009154	36.97	874.839	0.02	0.828796	13.74	0.0000000	0.00	0.2845051	2.66
16D16152	6.0 %	✓ 0.0048292	8.31	0.0000000	0.00	0.0008222	15.96	0.0000000	0.00	3.087579	15.96	0.0009026	8.31	0.0000000	0.00	1.412162	0.18	0.0002217	20.47	0.0000000	0.00	117.3770	0.07	0.0020860	16.01	1379.199	0.01	1.427014	8.31	0.0000000	0.00	0.4487321	2.66
16D16153	6.7 %	✓ 0.0075872	5.72	0.0000000	0.00	0.0005497	24.55	0.0000000	0.00	2.064050	24.55	0.0014180	5.72	0.0000000	0.00	1.783902	0.18	0.0001482	27.69	0.0000000	0.00	148.2754	0.07	0.0013945	24.58	1742.499	0.01	2.242005	5.72	0.0000000	0.00	0.5668570	2.66
16D16154	7.4 %	✓ 0.0101302	4.62	0.0000000	0.00	0.0009616	13.75	0.0000000	0.00	3.611081	13.75	0.0018933	4.62	0.0000000	0.00	2.150232	0.18	0.0002593	18.80	0.0000000	0.00	178.7243	0.07	0.0024396	13.81	2100.289	0.01	2.993475	4.62	0.0000000	0.00	0.6832631	2.66
16D16156	8.3 %	✓ 0.0135463	3.47	0.0000000	0.00	0.0015245	8.86	0.0000000	0.00	5.724725	8.86	0.0025318	3.47	0.0000000	0.00	3.308736	0.18	0.0004110	15.58	0.0000000	0.00	275.0175	0.07	0.0038676	8.96	3233.435	0.01	4.002927	3.47	0.0000000	0.00	1.0513920	2.66
16D16157	9.5 %	✓ 0.0123886	4.04	0.0000000	0.00	0.0015171	8.95	0.0000009	584.59	5.697018	8.94	0.0023154	4.04	0.0000000	0.00	3.595242	0.18	0.0004090	15.63	0.0043327	584.59	298.8315	0.07	0.0038489	9.04	3515.241	0.01	3.660823	4.04	0.0000000	0.00	1.1424330	2.66
16D16158	11.0 %	✓ 0.0106887	4.75	0.0000000	0.00	0.0015040	8.99	0.0000000	0.00	5.647675	8.99	0.0019977	4.75	0.0000000	0.00	3.427862	0.18	0.0004055	15.66	0.0000000	0.00	284.9191	0.07	0.0038156	9.08	3351.624	0.01	3.158508	4.75	0.0000000	0.00	1.0892459	2.66
16D16160	13.0 %	✓ 0.0062084	7.19	0.0000000	0.00	0.0008551	15.63	0.0000001	#####	3.211138	15.63	0.0011603	7.19	0.0000000	0.00	1.941384	0.18	0.0002306	20.22	0.0005262	#####	161.3652	0.07	0.0021694	15.69	1896.499	0.01	1.834582	7.19	0.0000000	0.00	0.6168991	2.66
16D16161	15.5 %	✓ 0.0048796	8.45	0.0000000	0.00	0.0007301	18.61	0.0000000	0.00	2.741587	18.61	0.0009120	8.45	0.0000000	0.00	1.770939	0.18	0.0001968	22.60	0.0000000	0.00	147.1980	0.07	0.0018522	18.65	1732.746	0.01	1.441924	8.45	0.0000000	0.00	0.5627379	2.66
16D16163	18.5 %	0.0016381	24.83	0.0000000	0.00	0.0006155	21.73	0.0000000	0.00	2.311229	21.73	0.0003062	24.83	0.0000000	0.00	1.417353	0.18	0.0001659	25.23	0.0000000	0.00	117.8084	0.07	0.0015615	21.77	1388.586	0.01	0.484057	24.83	0.0000000	0.00	0.4503816	2.66
16D16164	21.5 %	0.0017820	23.25	0.0000000	0.00	0.0004553	29.10	0.0000000	0.00	1.709571	29.10	0.0003331	23.25	0.0000000	0.00	0.985248	0.18	0.0001227	31.80	0.0000000	0.00	81.8924	0.08	0.0011550	29.13	966.874	0.02	0.526582	23.25	0.0000000	0.00	0.3130747	2.66
16D16166	23.0 %	0.0007353	51.62	0.0000000	0.00	0.0004331	30.96	0.0000000	0.00	1.626479	30.96	0.0001374	51.62	0.0000000	0.00	0.914809	0.18	0.0001168	33.51	0.0000000	0.00	76.0376	0.08	0.0010988	30.98	898.701	0.02	0.217294	51.62	0.0000000	0.00	0.2906918	2.66
Σ		0.1105581	1.75	0.0000000	0.00	0.0119536	5.38	0.0000062	195.61	44.887583	5.38	0.0206633	1.75	0.0000000	0.00	28.181448	0.05	0.0032229	6.51	0.0296065	195.54	2342.4028	0.02	0.0303261	5.39	27562.152	0.00	32.669928	1.75	0.0000000	0.00	8.9550060	0.74
Σ								0.1225179	1.66	44.887583	5.38									28.234941	0.21			2342.4331	0.02							27603.777	0.00

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D16135	1.0 %	13.419130	0.158748	0.055535	0.234994	0.001506	0.000146	129.070	12.830965	1.00091202	1.378E-12
16D16137	1.4 %	12.233583	0.078475	0.002559	0.125208	0.000421	0.000079	129.082	12.833957	1.00091210	2.341E-12
16D16138	1.8 %	12.114488	0.037512	0.010393	0.061053	0.000258	0.000037	129.088	12.835541	1.00091214	4.824E-12
16D16140	2.0 %	11.897590	0.033269	0.056906	0.052567	0.000195	0.000033	129.100	12.838535	1.00091223	5.435E-12
16D16141	2.4 %	11.891172	0.020107	0.034303	0.029545	0.000139	0.000019	129.106	12.839944	1.00091227	9.572E-12
16D16142	2.8 %	✓11.787747	0.018156	0.004646	0.026628	0.000112	0.000016	129.112	12.841529	1.00091231	1.075E-11
16D16144	3.2 %	✓11.820971	0.014089	0.027772	0.019070	0.000099	0.000013	129.124	12.844524	1.00091239	1.498E-11
16D16145	3.6 %	✓11.807513	0.014459	0.021165	0.019121	0.000084	0.000012	129.129	12.845933	1.00091243	1.538E-11
16D16146	4.0 %	✓11.776968	0.009967	0.014023	0.008706	0.000077	0.000006	129.135	12.847519	1.00091248	3.264E-11
16D16148	4.5 %	✓11.768011	0.008945	0.019117	0.004907	0.000063	0.000004	129.147	12.850515	1.00091256	5.812E-11
16D16149	5.0 %	✓11.766051	0.008806	0.018582	0.004763	0.000055	0.000003	129.153	12.851926	1.00091260	6.024E-11
16D16150	5.5 %	✓11.770346	0.009400	0.018206	0.006726	0.000043	0.000005	129.159	12.853512	1.00091264	4.205E-11
16D16152	6.0 %	✓11.765942	0.008722	0.026304	0.004197	0.000048	0.000003	129.171	12.856510	1.00091273	6.629E-11
16D16153	6.7 %	✓11.770603	0.008610	0.013920	0.003417	0.000055	0.000003	129.177	12.858097	1.00091277	8.377E-11
16D16154	7.4 %	✓11.771968	0.008539	0.020204	0.002777	0.000062	0.000003	129.183	12.859508	1.00091281	1.010E-10
16D16156	8.3 %	✓11.775410	0.008360	0.020816	0.001844	0.000055	0.000002	129.194	12.862507	1.00091289	1.554E-10
16D16157	9.5 %	✓11.779207	0.008371	0.019064	0.001705	0.000047	0.000002	129.201	12.864095	1.00091294	1.690E-10
16D16158	11.0 %	✓11.778173	0.008363	0.019822	0.001781	0.000043	0.000002	129.206	12.865507	1.00091298	1.611E-10
16D16160	13.0 %	✓11.767876	0.008583	0.019900	0.003110	0.000044	0.000003	129.218	12.868507	1.00091306	9.115E-11
16D16161	15.5 %	✓11.785005	0.008626	0.018625	0.003466	0.000038	0.000003	129.224	12.870096	1.00091311	8.327E-11
16D16163	18.5 %	11.794592	0.008748	0.019618	0.004264	0.000019	0.000003	129.236	12.873097	1.00091319	6.670E-11
16D16164	21.5 %	11.816723	0.009308	0.020876	0.006076	0.000027	0.000005	129.242	12.874510	1.00091323	4.645E-11
16D16166	23.0 %	11.825672	0.009451	0.021390	0.006622	0.000015	0.000005	129.254	12.877689	1.00091332	4.316E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D16135	1.0 %	0.0065908 ± 0.0002295	0.0249580 ± 0.0338326	0.0532171 ± 0.0163714	0.0054404 ± 0.0188667	1.7309583 ± 0.0617974
16D16137	1.4 %	0.0064786 ± 0.0002295	0.0277256 ± 0.0338326	0.0398415 ± 0.0163714	0.0026742 ± 0.0188667	1.7063267 ± 0.0617974
16D16138	1.8 %	0.0064491 ± 0.0002295	0.0272654 ± 0.0338326	0.0352026 ± 0.0163714	0.0010767 ± 0.0188667	1.7003707 ± 0.0617974
16D16140	2.0 %	0.0064370 ± 0.0002295	0.0236924 ± 0.0338326	0.0300269 ± 0.0163714	0.0017438 ± 0.0188667	1.7004772 ± 0.0617974
16D16141	2.4 %	0.0064468 ± 0.0002295	0.0210916 ± 0.0338326	0.0288825 ± 0.0163714	0.0028497 ± 0.0188667	1.7049583 ± 0.0617974
16D16142	2.8 %	0.0064665 ± 0.0002295	0.0176760 ± 0.0338326	0.0283517 ± 0.0163714	0.0038410 ± 0.0188667	1.7128587 ± 0.0617974
16D16144	3.2 %	0.0065211 ± 0.0002295	0.0103603 ± 0.0338326	0.0289462 ± 0.0163714	0.0048050 ± 0.0188667	1.7345448 ± 0.0617974
16D16145	3.6 %	0.0065515 ± 0.0002295	0.0067516 ± 0.0338326	0.0297113 ± 0.0163714	0.0047898 ± 0.0188667	1.7471469 ± 0.0617974
16D16146	4.0 %	0.0065870 ± 0.0002295	0.0027177 ± 0.0338326	0.0307846 ± 0.0163714	0.0043878 ± 0.0188667	1.7626612 ± 0.0617974
16D16148	4.5 %	0.0066525 ± 0.0002295	0.0044514 ± 0.0338326	0.0330460 ± 0.0163714	0.0025029 ± 0.0188667	1.7944298 ± 0.0617974
16D16149	5.0 %	0.0066803 ± 0.0002295	0.0074755 ± 0.0338326	0.0340732 ± 0.0163714	0.0011234 ± 0.0188667	1.8098755 ± 0.0617974
16D16150	5.5 %	0.0067081 ± 0.0002295	0.0105180 ± 0.0338326	0.0351141 ± 0.0163714	0.0007743 ± 0.0188667	1.8271684 ± 0.0617974
16D16152	6.0 %	0.0067467 ± 0.0002295	0.0150253 ± 0.0338326	0.0365775 ± 0.0163714	0.0052066 ± 0.0188667	1.8582912 ± 0.0617974
16D16153	6.7 %	0.0067586 ± 0.0002295	0.0166759 ± 0.0338326	0.0370287 ± 0.0163714	0.0078912 ± 0.0188667	1.8732602 ± 0.0617974
16D16154	7.4 %	0.0067636 ± 0.0002295	0.0176878 ± 0.0338326	0.0372297 ± 0.0163714	0.0103954 ± 0.0188667	1.8853086 ± 0.0617974
16D16156	8.3 %	0.0067562 ± 0.0002295	0.0183921 ± 0.0338326	0.0370688 ± 0.0163714	0.0157800 ± 0.0188667	1.9058268 ± 0.0617974
16D16157	9.5 %	0.0067423 ± 0.0002295	0.0179851 ± 0.0338326	0.0367155 ± 0.0163714	0.0184700 ± 0.0188667	1.9132701 ± 0.0617974
16D16158	11.0 %	0.0067243 ± 0.0002295	0.0171962 ± 0.0338326	0.0362979 ± 0.0163714	0.0206383 ± 0.0188667	1.9175484 ± 0.0617974
16D16160	13.0 %	0.0066699 ± 0.0002295	0.0143303 ± 0.0338326	0.0353249 ± 0.0163714	0.0240863 ± 0.0188667	1.9182722 ± 0.0617974
16D16161	15.5 %	0.0066334 ± 0.0002295	0.0122672 ± 0.0338326	0.0349288 ± 0.0163714	0.0249903 ± 0.0188667	1.9134805 ± 0.0617974
16D16163	18.5 %	0.0065539 ± 0.0002295	0.0076826 ± 0.0338326	0.0349016 ± 0.0163714	0.0242035 ± 0.0188667	1.8933448 ± 0.0617974
16D16164	21.5 %	0.0065135 ± 0.0002295	0.0053668 ± 0.0338326	0.0354278 ± 0.0163714	0.0224068 ± 0.0188667	1.8784015 ± 0.0617974
16D16166	23.0 %	0.0064220 ± 0.0002295	0.0003271 ± 0.0338326	0.0386103 ± 0.0163714	0.0140610 ± 0.0188667	1.8306971 ± 0.0617974

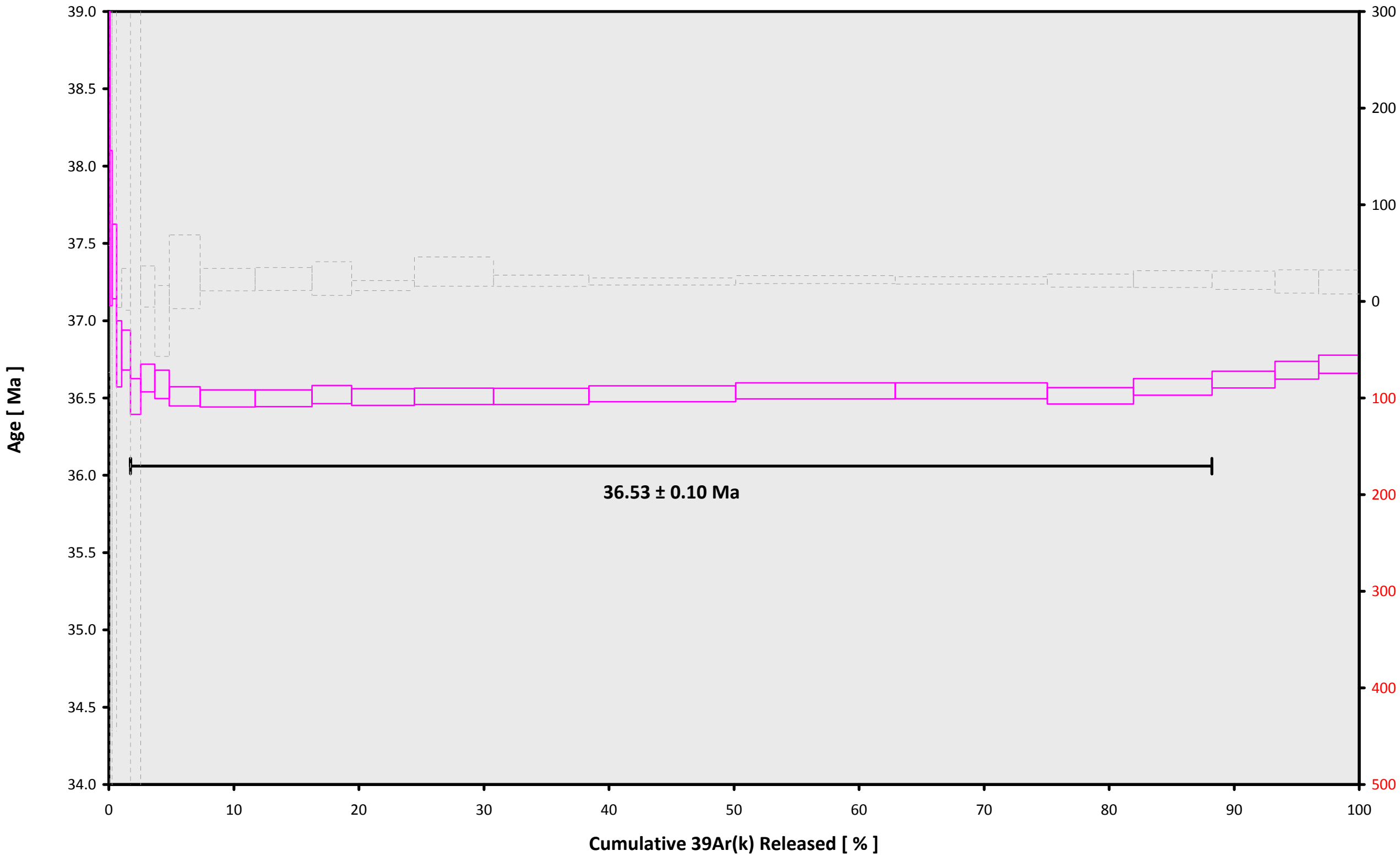
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D16135	1.0 %	0.0096914 ± 0.0001903	0.8952	EXP 149 of 150	0.0159060 ± 0.0179582	0.0001	EXP 150 of 150	0.0168694 ± 0.0153145	0.0003	EXP 150 of 150	2.126581 ± 0.015775	0.0421	EXP 150 of 150	30.43302 ± 0.01816	0.9991	EXP 150 of 150
16D16137	1.4 %	0.0080961 ± 0.0001974	0.8930	EXP 150 of 150	0.0285030 ± 0.0173828	0.0042	EXP 150 of 150	0.0096729 ± 0.0163783	0.0011	EXP 150 of 150	3.956899 ± 0.015878	0.5758	EXP 150 of 150	50.48550 ± 0.01990	0.9981	EXP 150 of 150
16D16138	1.8 %	0.0085088 ± 0.0001893	0.9084	EXP 150 of 150	0.0338342 ± 0.0185541	0.0004	EXP 150 of 150	0.0766140 ± 0.0166932	0.0167	EXP 150 of 150	8.228568 ± 0.015211	0.9027	EXP 150 of 150	102.20636 ± 0.02147	0.9880	EXP 150 of 150
16D16140	2.0 %	0.0082197 ± 0.0001992	0.9081	EXP 150 of 150	0.0649421 ± 0.0175296	0.0306	EXP 150 of 150	0.0660278 ± 0.0148601	0.0029	EXP 150 of 150	9.436895 ± 0.016338	0.9224	EXP 150 of 150	114.93733 ± 0.02308	0.9427	EXP 150 of 150
16D16141	2.4 %	0.0086938 ± 0.0002038	0.9237	EXP 149 of 150	0.0649006 ± 0.0167057	0.0198	EXP 150 of 150	0.1165820 ± 0.0171181	0.0040	EXP 150 of 150	16.628391 ± 0.016373	0.9759	EXP 150 of 150	201.12497 ± 0.02758	0.9923	EXP 150 of 150
16D16142	2.8 %	0.0085060 ± 0.0001952	0.9312	EXP 150 of 150	0.0243944 ± 0.0183830	0.0054	EXP 150 of 150	0.1911939 ± 0.0194789	0.0173	EXP 150 of 150	18.829013 ± 0.016690	0.9815	EXP 150 of 150	225.56767 ± 0.03107	0.9947	EXP 150 of 150
16D16144	3.2 %	0.0090377 ± 0.0002212	0.9240	EXP 150 of 150	0.0661933 ± 0.0180285	0.0312	EXP 150 of 150	0.2849946 ± 0.0155466	0.0481	EXP 150 of 150	26.184393 ± 0.015814	0.9915	EXP 150 of 150	313.90721 ± 0.03097	0.9987	EXP 150 of 150
16D16145	3.6 %	0.0087488 ± 0.0002041	0.9396	EXP 150 of 150	0.0369648 ± 0.0203741	0.0455	EXP 150 of 150	0.2551441 ± 0.0171116	0.0012	EXP 150 of 150	26.905127 ± 0.018488	0.9890	EXP 150 of 150	322.14553 ± 0.03342	0.9986	EXP 150 of 150
16D16146	4.0 %	0.0108490 ± 0.0002762	0.9490	EXP 150 of 150	0.0643396 ± 0.0178599	0.0215	EXP 150 of 150	0.6366803 ± 0.0210461	0.0816	EXP 150 of 150	57.253665 ± 0.018787	0.9976	EXP 150 of 150	681.73245 ± 0.04269	0.9997	EXP 150 of 150
16D16148	4.5 %	0.0128710 ± 0.0003190	0.9663	EXP 149 of 150	0.1452122 ± 0.0181859	0.0003	EXP 150 of 150	1.1568437 ± 0.0156741	0.1322	EXP 150 of 150	102.032529 ± 0.023074	0.9989	EXP 150 of 150	1212.59319 ± 0.05451	0.9999	EXP 150 of 150
16D16149	5.0 %	0.0123094 ± 0.0002563	0.9804	EXP 150 of 150	0.1433286 ± 0.0186909	0.0053	EXP 150 of 150	1.1969032 ± 0.0162952	0.1033	EXP 150 of 150	105.783774 ± 0.020117	0.9992	EXP 150 of 150	1256.89737 ± 0.05508	0.9999	EXP 150 of 150
16D16150	5.5 %	0.0097561 ± 0.0002617	0.9693	EXP 149 of 150	0.0925539 ± 0.0174721	0.0044	EXP 150 of 150	0.8480231 ± 0.0159754	0.1093	EXP 150 of 150	73.803346 ± 0.020329	0.9983	EXP 150 of 150	877.77928 ± 0.05346	0.9997	EXP 150 of 150
16D16152	6.0 %	0.0121882 ± 0.0002835	0.9785	EXP 150 of 150	0.2198013 ± 0.0160782	0.1147	EXP 150 of 150	1.3452265 ± 0.0178349	0.1457	EXP 150 of 150	116.410021 ± 0.020742	0.9993	EXP 150 of 150	1382.93344 ± 0.05528	0.9999	EXP 150 of 150
16D16153	6.7 %	0.0145931 ± 0.0003234	0.9813	EXP 150 of 150	0.1402866 ± 0.0184277	0.0317	EXP 150 of 150	1.6890154 ± 0.0156460	0.2093	EXP 150 of 150	147.054019 ± 0.024462	0.9994	EXP 150 of 150	1747.18088 ± 0.07479	0.9999	EXP 150 of 150
16D16154	7.4 %	0.0174434 ± 0.0003647	0.9825	EXP 150 of 150	0.2568899 ± 0.0166913	0.0003	EXP 150 of 150	2.0412188 ± 0.0158790	0.3107	EXP 150 of 150	177.253730 ± 0.028050	0.9995	EXP 150 of 150	2105.85104 ± 0.06909	0.9999	EXP 150 of 150
16D16156	8.3 %	0.0212671 ± 0.0003652	0.9911	EXP 150 of 150	0.4168004 ± 0.0183828	0.0240	EXP 150 of 150	3.2028223 ± 0.0163015	0.5128	EXP 150 of 150	272.754459 ± 0.027629	0.9998	EXP 150 of 150	3240.39530 ± 0.08875	1.0000	EXP 150 of 150
16D16157	9.5 %	0.0201323 ± 0.0004012	0.9911	EXP 150 of 150	0.4150477 ± 0.0187709	0.0004	EXP 150 of 150	3.5122137 ± 0.0170616	0.5672	EXP 150 of 150	296.373484 ± 0.032471	0.9997	EXP 150 of 150	3521.95707 ± 0.10375	1.0000	EXP 150 of 150
16D16158	11.0 %	0.0184640 ± 0.0004103	0.9902	EXP 150 of 150	0.4120388 ± 0.0184286	0.0074	EXP 150 of 150	3.3208177 ± 0.0180972	0.5430	EXP 150 of 150	282.578688 ± 0.029378	0.9998	EXP 150 of 150	3357.78948 ± 0.09226	1.0000	EXP 150 of 150
16D16160	13.0 %	0.0134712 ± 0.0003393	0.9837	EXP 150 of 150	0.2296660 ± 0.0175696	0.0027	EXP 149 of 150	1.8791855 ± 0.0160144	0.3038	EXP 150 of 150	160.052038 ± 0.026789	0.9994	EXP 150 of 150	1900.86909 ± 0.06546	0.9999	EXP 150 of 150
16D16161	15.5 %	0.0120347 ± 0.0002957	0.9862	EXP 150 of 150	0.1960249 ± 0.0188862	0.0010	EXP 150 of 150	1.6934594 ± 0.0171710	0.1800	EXP 150 of 150	146.003025 ± 0.024686	0.9994	EXP 150 of 150	1736.66433 ± 0.06422	0.9999	EXP 150 of 150
16D16163	18.5 %	0.0087238 ± 0.0002900	0.9815	EXP 150 of 150	0.1678720 ± 0.0176232	0.0024	EXP 150 of 150	1.3317444 ± 0.0156464	0.1144	EXP 150 of 150	116.856313 ± 0.020940	0.9993	EXP 150 of 150	1391.41401 ± 0.06381	0.9999	EXP 150 of 150
16D16164	21.5 %	0.0086676 ± 0.0003002	0.9682	EXP 150 of 150	0.1244733 ± 0.0168224	0.0003	EXP 150 of 150	0.9343277 ± 0.0149617	0.1809	EXP 150 of 150	81.236215 ± 0.021789	0.9984	EXP 150 of 150	969.59189 ± 0.04943	0.9998	EXP 150 of 150
16D16166	23.0 %	0.0075471 ± 0.0002535	0.9734	EXP 150 of 150	0.1231718 ± 0.0177944	0.0003	EXP 150 of 150	0.8549889 ± 0.0164560	0.0920	EXP 150 of 150	75.421620 ± 0.021372	0.9982	EXP 150 of 150	901.03966 ± 0.05051	0.9998	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D16135	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16137	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16138	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16140	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16141	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16142	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16144	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16145	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16146	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16148	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16149	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16150	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16152	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16153	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16154	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16156	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16157	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16158	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16160	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16161	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16163	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16164	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	01
16D16166	23.0 %	Susan Schnur	15-OSU-07	0.00	0.00	16.83	Walvis Ridge\MV1203 (13-INT-04)	16D16131	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
16D16135	1.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	16	10	1
16D16137	1.4 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	16	27	1
16D16138	1.8 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	16	36	1
16D16140	2.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	16	53	1
16D16141	2.4 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	17	1	1
16D16142	2.8 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	17	10	1
16D16144	3.2 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	17	27	1
16D16145	3.6 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	17	35	1
16D16146	4.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	17	44	1
16D16148	4.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	1	1
16D16149	5.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	9	1
16D16150	5.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	18	1
16D16152	6.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	35	1
16D16153	6.7 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	44	1
16D16154	7.4 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	18	52	1
16D16156	8.3 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	19	9	1
16D16157	9.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	19	18	1
16D16158	11.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	19	26	1
16D16160	13.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	19	43	1
16D16161	15.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	19	52	1
16D16163	18.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	20	9	1
16D16164	21.5 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	20	17	1
16D16166	23.0 %	MV1203-D24-03	K-Feldspar	Coleridge Guyot	FCT-NM (7B10-15)	28.201	0.082	Kuiper et al (2008)	9.05616	0.142	0.00173555	0.142	304.513	0.16	0.9925909	0.070	1	4.8E-14	25	APR	2016	20	35	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
16D16135	1.0 %	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
16D16137	1.4 %	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
16D16138	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
16D16140	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
16D16141	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
16D16142	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
16D16144	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
16D16145	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
16D16146	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
16D16148	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
16D16149	5.0 %	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
16D16150	5.5 %	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
16D16152	6.0 %	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
16D16153	6.7 %	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
16D16154	7.4 %	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
16D16156	8.3 %	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
16D16157	9.5 %	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
16D16158	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
16D16160	13.0 %	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
16D16161	15.5 %	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
16D16163	18.5 %	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
16D16164	21.5 %	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
16D16166	23.0 %	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

16D16131.AGE >>> MV1203-D24-03 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

36.53 ± 0.10

TOTAL FUSION

36.56 ± 0.10

NORMAL ISOCHRON

36.53 ± 0.12

INVERSE ISOCHRON

36.51 ± 0.12

MSWD (PROBABILITY)

1.09 (36%)

Sample Info

K-Feldspar

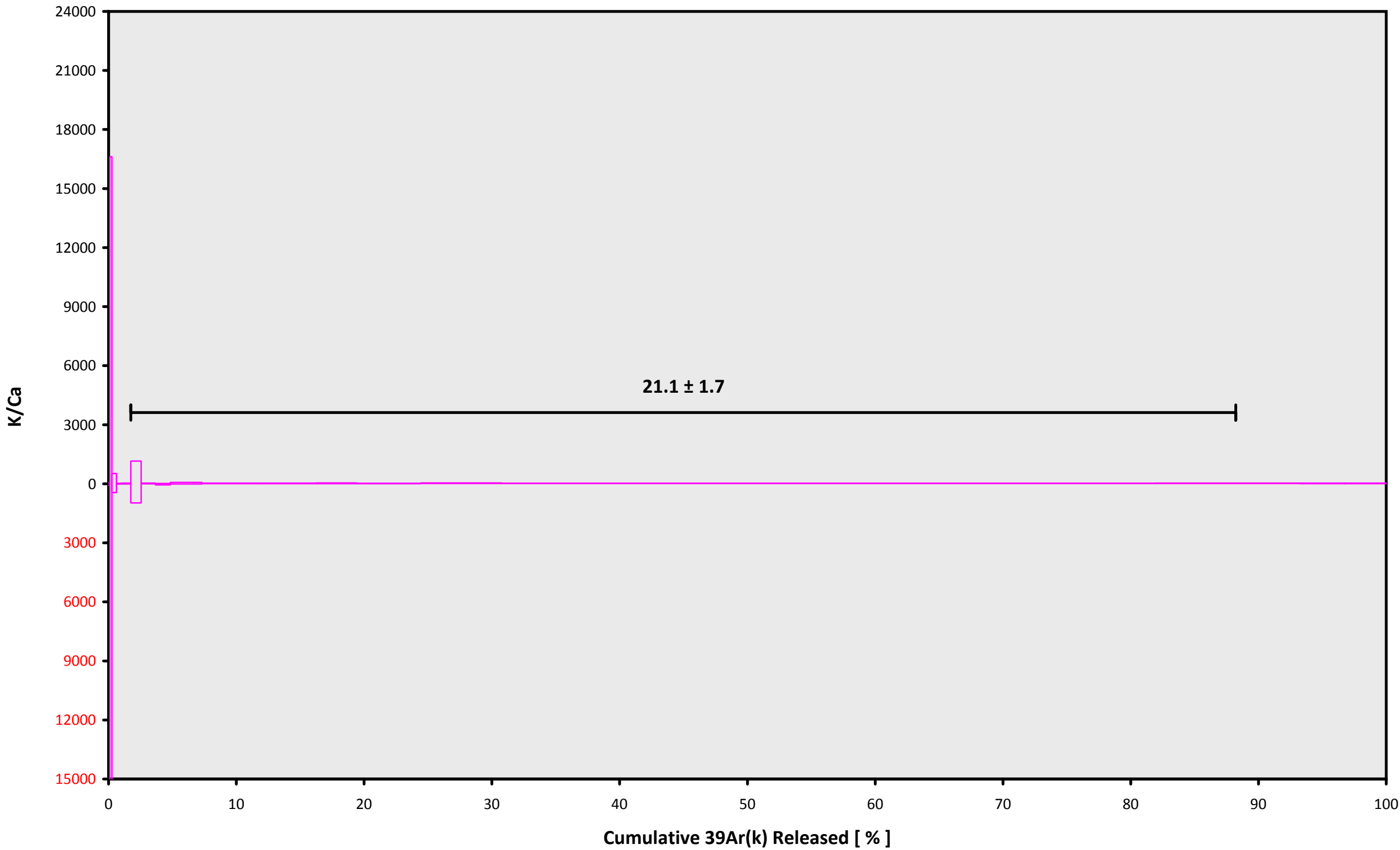
Coleridge Guyot

Susan Schnur

IRR = 15-OSU-07 (7B10-15)

J = $0.00173555 \pm 0.00000246$

16D16131.AGE >>> MV1203-D24-03 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

36.53 ± 0.10

TOTAL FUSION

36.56 ± 0.10

NORMAL ISOCHRON

36.53 ± 0.12

INVERSE ISOCHRON

36.51 ± 0.12

Sample Info

K-Feldspar

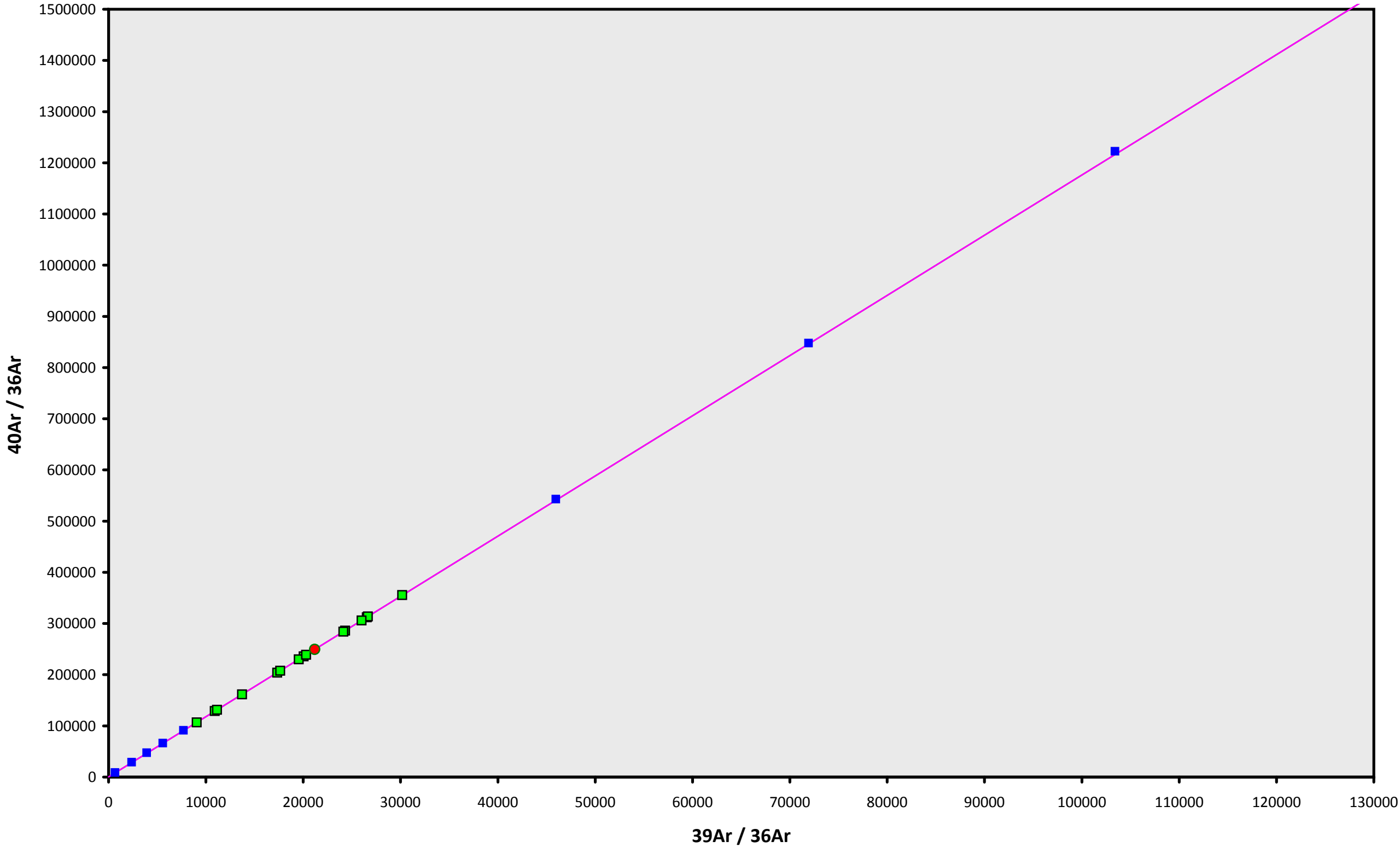
Coleridge Guyot

Susan Schnur

IRR = 15-OSU-07 (7B10-15)

J = 0.00173555 ± 0.00000246

16D16131.AGE >>> MV1203-D24-03 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

36.53 ± 0.10

TOTAL FUSION

36.56 ± 0.10

NORMAL ISOCHRON

36.53 ± 0.12

INVERSE ISOCHRON

36.51 ± 0.12

MSWD (PROBABILITY)

1.08 (37%)

40AR/36AR INTERCEPT

259.1 ± 323.4

Sample Info

K-Feldspar

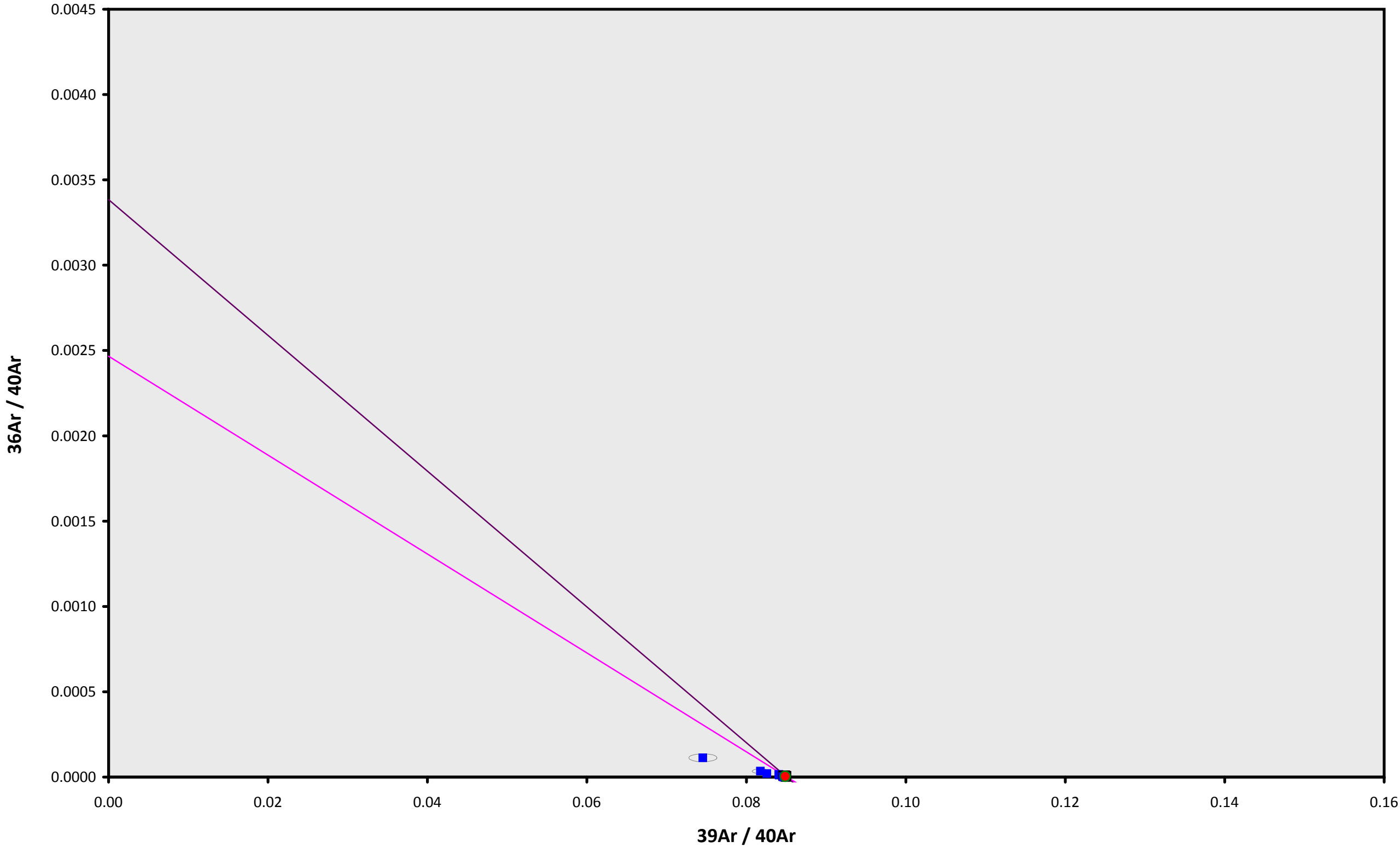
Coleridge Guyot

Susan Schnur

IRR = 15-OSU-07 (7B10-15)

J = $0.00173555 \pm 0.00000246$

16D16131.AGE >>> MV1203-D24-03 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

36.53 ± 0.10

TOTAL FUSION

36.56 ± 0.10

NORMAL ISOCHRON

36.53 ± 0.12

INVERSE ISOCHRON

36.51 ± 0.12

MSWD (PROBABILITY)

1.13 (32%)

SPREADING FACTOR

0.5%

40AR/36AR INTERCEPT

405.5 ± 193.7

Sample Info

K-Feldspar

Coleridge Guyot

Susan Schnur

IRR = 15-OSU-07 (7B10-15)

$J = 0.00173555 \pm 0.00000246$