

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
16D13538	1.8 %	0.0117028	2.792	24.1561	0.927	0.137143	17.260	13.3951	0.340	158.118	0.130	11.69835 ± 0.08666	36.04 ± 0.26	98.98	0.85	0.238 ± 0.005
16D13540	2.0 %	0.0203050	1.715	53.1305	0.529	0.332019	7.261	29.5187	0.166	346.665	0.060	11.69268 ± 0.04203	36.02 ± 0.13	99.44	1.87	0.239 ± 0.003
16D13541	2.4 %	0.0286176	1.386	73.4514	0.465	0.479739	4.566	40.2289	0.131	471.852	0.044	11.67324 ± 0.03278	35.96 ± 0.10	99.40	2.54	0.235 ± 0.002
16D13542	2.8 %	0.0523238	0.979	152.6658	0.383	1.002891	2.435	82.6593	0.087	967.432	0.022	11.67289 ± 0.02139	35.96 ± 0.07	99.61	5.23	0.233 ± 0.002
16D13544	3.2 %	0.0539425	0.855	171.0740	0.382	1.111884	2.184	92.0324	0.083	1075.978	0.020	11.67522 ± 0.02031	35.97 ± 0.06	99.74	5.82	0.231 ± 0.002
16D13545	3.6 %	✓ 0.0436463	1.021	141.3084	0.391	0.907333	2.619	75.1910	0.090	879.884	0.024	11.68936 ± 0.02215	36.01 ± 0.07	99.77	4.75	0.229 ± 0.002
16D13546	4.0 %	✓ 0.0426963	1.089	142.3760	0.388	0.884442	2.727	75.4568	0.091	883.135	0.024	11.69621 ± 0.02232	36.03 ± 0.07	99.81	4.77	0.228 ± 0.002
16D13548	4.5 %	✓ 0.0578041	1.026	193.8734	0.376	1.226131	1.936	102.2228	0.081	1197.025	0.018	11.70329 ± 0.01971	36.05 ± 0.06	99.81	6.46	0.226 ± 0.002
16D13549	5.2 %	✓ 0.0781050	0.764	261.1897	0.369	1.655307	1.470	137.6621	0.076	1614.284	0.013	11.71927 ± 0.01823	36.10 ± 0.06	99.81	8.70	0.226 ± 0.002
16D13550	6.1 %	✓ 0.1041369	0.604	332.0227	0.367	2.084445	1.105	174.1802	0.072	2039.815	0.011	11.69552 ± 0.01734	36.03 ± 0.05	99.74	11.01	0.225 ± 0.002
16D13552	7.3 %	✓ 0.1231106	0.597	372.4980	0.365	2.374456	1.015	198.5075	0.071	2325.957	0.009	11.69263 ± 0.01696	36.02 ± 0.05	99.66	12.55	0.229 ± 0.002
16D13553	8.5 %	✓ 0.1040669	0.628	292.2284	0.368	1.880213	1.264	154.2280	0.074	1808.668	0.012	11.68809 ± 0.01767	36.01 ± 0.05	99.54	9.75	0.227 ± 0.002
16D13554	9.7 %	✓ 0.0672274	0.800	209.1132	0.375	1.283909	1.922	109.1522	0.080	1279.399	0.016	11.70133 ± 0.01937	36.05 ± 0.06	99.70	6.90	0.224 ± 0.002
16D13556	11.0 %	✓ 0.0355402	1.222	120.6563	0.398	0.766099	3.025	64.8505	0.098	760.304	0.027	11.71934 ± 0.02413	36.10 ± 0.07	99.83	4.10	0.231 ± 0.002
16D13557	12.4 %	0.0245686	1.612	80.3575	0.450	0.488307	4.872	42.1000	0.127	494.152	0.042	11.72664 ± 0.03188	36.12 ± 0.10	99.78	2.66	0.225 ± 0.002
16D13558	14.0 %	0.0268746	1.520	91.1859	0.426	0.573053	4.116	46.6171	0.117	547.234	0.038	11.73417 ± 0.02932	36.15 ± 0.09	99.83	2.95	0.220 ± 0.002
16D13560	15.8 %	0.0246138	1.605	80.7659	0.434	0.480637	4.776	39.4444	0.133	464.377	0.045	11.76212 ± 0.03369	36.23 ± 0.10	99.77	2.49	0.210 ± 0.002
16D13561	18.0 %	0.0290875	1.310	90.0921	0.430	0.515094	4.496	42.0878	0.126	495.470	0.042	11.74969 ± 0.03173	36.19 ± 0.10	99.66	2.66	0.201 ± 0.002
16D13563	20.5 %	0.0243656	1.481	70.3149	0.452	0.397045	6.050	32.2924	0.153	380.670	0.054	11.75008 ± 0.03877	36.19 ± 0.12	99.53	2.04	0.197 ± 0.002
16D13564	22.5 %	0.0156405	2.046	47.9045	0.550	0.250249	9.505	21.9433	0.215	258.923	0.080	11.77438 ± 0.05472	36.27 ± 0.17	99.64	1.39	0.197 ± 0.002
16D13566	24.5 %	0.0073425	4.325	17.4004	1.208	0.096770	24.318	8.2231	0.550	97.322	0.211	11.75085 ± 0.14066	36.20 ± 0.43	99.15	0.52	0.203 ± 0.005
Σ		0.9757186	0.224	3017.7650	0.100	18.927166	0.574	1581.9934	0.022	18546.663	0.005					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
 Sample = **MV1203-D25-06**
 Material = **Plagioclase**
 Location = **Gabriel Guyot**
 Region = **Walvis Ridge**
 Analyst = **Susan Schnur**
 Irradiation = **15-OSU-07 (7B12-15)**
 Position = **X: 0 | Y: 0 | Z/H: 21.9 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.13491 ± 0.01288**
 FCT-NM J-value = **0.00172059 ± 0.00000243**
 Air Shot 40Ar/36Ar = **304.4790 ± 0.4171**
 Air Shot MDF = **0.99261804 ± 0.00066505 (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 = **IESS10084**
 Rock Class = **Igneous>Volcanic>Mafic**
 Lithology = **Trachyte**
 Lat-Lon = **35°12.6'S - 4°55.6'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		11.69980 ± 0.00758 ± 0.06%	36.04 ± 0.10 ± 0.29% Full External Error ± 0.82 Analytical Error ± 0.02	1.38 20%	68.99 9	0.227 ± 0.001
Total Fusion Age		11.70272 ± 0.00542 ± 0.05%	36.05 ± 0.10 ± 0.28% Full External Error ± 0.82 Analytical Error ± 0.02	1.1749	21	0.225 ± 0.000
Normal Isochron	18.71 ± 173.31 #####	11.72713 ± 0.01759 ± 0.15%	36.12 ± 0.11 ± 0.32% Full External Error ± 0.82 Analytical Error ± 0.05	1.00 43%	68.99 9	0.225 ± 0.000
Inverse Isochron	98.74 ± 72.90 ± 73.83%	11.71843 ± 0.01756 ± 0.15%	36.10 ± 0.11 ± 0.32% Full External Error ± 0.82 Analytical Error ± 0.05	1.0000 0.0000009480	1 1	0.225 ± 0.000
Clustered Points				0.87 53%	68.99 9	0.225 ± 0.000
Notes				2.07 1.0000	2σ Confidence Limit Error Magnification	
Good plateau				3 0.0000715817	Number of Iterations Convergence	
				0%	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
16D13538	1.8 %	0.0052701	24.1561	0.0000000	13.3788	156.510	36.04 ± 0.26	98.98	0.85	0.238 ± 0.005
16D13540	2.0 %	0.0061563	53.1305	0.0000000	29.4828	344.733	36.02 ± 0.13	99.44	1.87	0.239 ± 0.003
16D13541	2.4 %	0.0090575	73.4514	0.0000000	40.1792	469.022	35.96 ± 0.10	99.40	2.54	0.235 ± 0.002
16D13542	2.8 %	0.0116689	152.6658	0.0000000	82.5561	963.669	35.96 ± 0.07	99.61	5.23	0.233 ± 0.002
16D13544	3.2 %	0.0083855	171.0740	0.0000000	91.9168	1073.149	35.97 ± 0.06	99.74	5.82	0.231 ± 0.002
16D13545	3.6 %	✓ 0.0060159	141.3084	0.0000000	75.0956	877.819	36.01 ± 0.07	99.77	4.75	0.229 ± 0.002
16D13546	4.0 %	✓ 0.0047816	142.3760	0.0000000	75.3606	881.434	36.03 ± 0.07	99.81	4.77	0.228 ± 0.002
16D13548	4.5 %	✓ 0.0061756	193.8734	0.0000000	102.0918	1194.810	36.05 ± 0.06	99.81	6.46	0.226 ± 0.002
16D13549	5.2 %	✓ 0.0085502	261.1897	0.0000000	137.4857	1611.232	36.10 ± 0.06	99.81	8.70	0.226 ± 0.002
16D13550	6.1 %	✓ 0.0157193	332.0227	0.0000000	173.9559	2034.505	36.03 ± 0.05	99.74	11.01	0.225 ± 0.002
16D13552	7.3 %	✓ 0.0239144	372.4980	0.0000000	198.2559	2318.132	36.02 ± 0.05	99.66	12.55	0.229 ± 0.002
16D13553	8.5 %	✓ 0.0262463	292.2284	0.0011841	154.0305	1800.323	36.01 ± 0.05	99.54	9.75	0.227 ± 0.002
16D13554	9.7 %	✓ 0.0115405	209.1132	0.0000000	109.0109	1275.572	36.05 ± 0.06	99.70	6.90	0.224 ± 0.002
16D13556	11.0 %	✓ 0.0034095	120.6563	0.0000000	64.7690	759.049	36.10 ± 0.07	99.83	4.10	0.231 ± 0.002
16D13557	12.4 %	0.0031694	80.3575	0.0000000	42.0457	493.055	36.12 ± 0.10	99.78	2.66	0.225 ± 0.002
16D13558	14.0 %	0.0025908	91.1859	0.0059129	46.5555	546.290	36.15 ± 0.09	99.83	2.95	0.220 ± 0.002
16D13560	15.8 %	0.0031058	80.7659	0.0003586	39.3898	463.308	36.23 ± 0.10	99.77	2.49	0.210 ± 0.002
16D13561	18.0 %	0.0050956	90.0921	0.0020470	42.0269	493.804	36.19 ± 0.10	99.66	2.66	0.201 ± 0.002
16D13563	20.5 %	0.0056402	70.3149	0.0030042	32.2449	378.880	36.19 ± 0.12	99.53	2.04	0.197 ± 0.002
16D13564	22.5 %	0.0028836	47.9045	0.0000000	21.9109	257.987	36.27 ± 0.17	99.64	1.39	0.197 ± 0.002
16D13566	24.5 %	0.0027088	17.4004	0.0000000	8.2113	96.490	36.20 ± 0.43	99.15	0.52	0.203 ± 0.005
Σ		0.1720856	3017.7650	0.0125070	1579.9546	18489.771				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Project = MV1203 (13-INT-04) Sample = MV1203-D25-06 Material = Plagioclase Location = Gabriel Guyot Region = Walvis Ridge Analyst = Susan Schnur Irradiation = 15-OSU-07 (7B12-15) J = 0.00172059 ± 0.00000243 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	11.69980 ± 0.00758 ± 0.06%	36.04 ± 0.10 ± 0.29%	1.38 20%	68.99 9	0.227 ± 0.001
			Full External Error ± 0.82 Analytical Error ± 0.02	2.00 1.1749	2σ Confidence Limit Error Magnification	
	Total Fusion Age	11.70272 ± 0.00542 ± 0.05%	36.05 ± 0.10 ± 0.28%		21	0.225 ± 0.000
			Full External Error ± 0.82 Analytical Error ± 0.02			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D13538	1.8 %	2538.64 ± 320.62	29993.36 ± 3783.36	0.9983
16D13540	2.0 %	4789.02 ± 555.39	56292.04 ± 6525.95	0.9995
16D13541	2.4 %	4436.01 ± 399.83	52078.04 ± 4692.14	0.9995
16D13542	2.8 %	7074.91 ± 653.32	82880.20 ± 7652.16	0.9998
16D13544	3.2 %	10961.41 ± 1301.73	128272.33 ± 15231.67	0.9999
16D13545	3.6 %	✓ 12482.91 ± 1961.13	146212.81 ± 22969.43	0.9999
16D13546	4.0 %	✓ 15760.68 ± 3237.50	184635.65 ± 37925.75	1.0000
16D13548	4.5 %	✓ 16531.53 ± 3368.17	193768.73 ± 39477.70	1.0000
16D13549	5.2 %	✓ 16079.77 ± 2474.54	188738.73 ± 29043.97	1.0000
16D13550	6.1 %	✓ 11066.39 ± 1014.24	129722.73 ± 11887.64	0.9999
16D13552	7.3 %	✓ 8290.24 ± 577.51	97230.14 ± 6771.85	0.9998
16D13553	8.5 %	✓ 5868.66 ± 323.32	68888.90 ± 3793.93	0.9996
16D13554	9.7 %	✓ 9445.91 ± 954.03	110825.23 ± 11191.98	0.9999
16D13556	11.0 %	✓ 18996.89 ± 5072.56	222926.48 ± 59524.49	1.0000
16D13557	12.4 %	13266.23 ± 3423.91	155863.80 ± 40225.47	0.9999
16D13558	14.0 %	17969.57 ± 5867.51	211153.53 ± 68945.32	1.0000
16D13560	15.8 %	12682.72 ± 3325.72	149471.21 ± 39193.19	0.9999
16D13561	18.0 %	8247.68 ± 1283.25	97203.17 ± 15121.99	0.9999
16D13563	20.5 %	5716.98 ± 753.86	67470.49 ± 8894.78	0.9997
16D13564	22.5 %	7598.58 ± 1730.15	89763.99 ± 20435.52	0.9998
16D13566	24.5 %	3031.32 ± 722.61	35916.05 ± 8553.96	0.9988

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	18.71 ± 173.31 ± 926.17%	11.72713 ± 0.01759 ± 0.15%	36.12 ± 0.11 ± 0.32%	1.00 43%
			Full External Error ± 0.82 Analytical Error ± 0.05	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.07 1.0000 9	Convergence Number of Iterations Calculated Line	0.000000947991 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D13538	1.8 %	0.0846399 ± 0.0006171	0.00003334 ± 0.00000421	0.0073
16D13540	2.0 %	0.0850746 ± 0.0003011	0.00001776 ± 0.00000206	0.0035
16D13541	2.4 %	0.0851800 ± 0.0002350	0.00001920 ± 0.00000173	0.0031
16D13542	2.8 %	0.0853631 ± 0.0001538	0.00001207 ± 0.00000111	0.0011
16D13544	3.2 %	0.0854542 ± 0.0001468	0.00000780 ± 0.00000093	0.0008
16D13545	3.6 % ✓	0.0853750 ± 0.0001594	0.00000684 ± 0.00000107	0.0008
16D13546	4.0 % ✓	0.0853610 ± 0.0001604	0.00000542 ± 0.00000111	0.0006
16D13548	4.5 % ✓	0.0853158 ± 0.0001412	0.00000516 ± 0.00000105	0.0004
16D13549	5.2 % ✓	0.0851959 ± 0.0001309	0.00000530 ± 0.00000082	0.0003
16D13550	6.1 % ✓	0.0853081 ± 0.0001252	0.00000771 ± 0.00000071	0.0003
16D13552	7.3 % ✓	0.0852640 ± 0.0001224	0.00001028 ± 0.00000072	0.0004
16D13553	8.5 % ✓	0.0851902 ± 0.0001272	0.00001452 ± 0.00000080	0.0007
16D13554	9.7 % ✓	0.0852325 ± 0.0001392	0.00000902 ± 0.00000091	0.0007
16D13556	11.0 % ✓	0.0852159 ± 0.0001729	0.00000449 ± 0.00000120	0.0006
16D13557	12.4 %	0.0851142 ± 0.0002276	0.00000642 ± 0.00000166	0.0010
16D13558	14.0 %	0.0851019 ± 0.0002090	0.00000474 ± 0.00000155	0.0007
16D13560	15.8 %	0.0848506 ± 0.0002390	0.00000669 ± 0.00000175	0.0011
16D13561	18.0 %	0.0848499 ± 0.0002255	0.00001029 ± 0.00000160	0.0017
16D13563	20.5 %	0.0847331 ± 0.0002751	0.00001482 ± 0.00000195	0.0028
16D13564	22.5 %	0.0846506 ± 0.0003881	0.00001114 ± 0.00000254	0.0024
16D13566	24.5 %	0.0844001 ± 0.0009954	0.00002784 ± 0.00000663	0.0063

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	98.74 ± 72.90	11.71843 ± 0.01756	36.10 ± 0.11	0.87
Clustered Points	± 73.83%	± 0.15%	± 0.32%	53%
			Full External Error ± 0.82	
			Analytical Error ± 0.05	
Statistics	2σ Confidence Limit	2.07	Convergence	0.0000715817
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	0.2%		

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	
16D13538	1.8 %	0.0052701	6.31	0.0000000	0.00	0.0064328	0.94	0.0000000	0.00	24.1561	0.93	0.0009850	6.31	0.0000000	0.00	0.160960	0.38	0.0017344	12.85	0.0000000	0.00	13.3788	0.34	0.0163199	1.61	156.510	0.15	1.557303	6.31	0.0000000	0.00	0.0511470	2.68	
16D13540	2.0 %	0.0061563	5.80	0.0000000	0.00	0.0141486	0.55	0.0000000	0.00	53.1305	0.53	0.0011506	5.80	0.0000000	0.00	0.354708	0.23	0.0038148	12.83	0.0000000	0.00	29.4828	0.17	0.0358950	1.42	344.733	0.07	1.819194	5.80	0.0000000	0.00	0.1127127	2.67	
16D13541	2.4 %	0.0090575	4.50	0.0000000	0.00	0.0195601	0.49	0.0000000	0.00	73.4514	0.47	0.0016929	4.50	0.0000000	0.00	0.483396	0.21	0.0052738	12.83	0.0000000	0.00	40.1792	0.13	0.0496238	1.40	469.022	0.05	2.676499	4.50	0.0000000	0.00	0.1536052	2.66	
16D13542	2.8 %	0.0116689	4.62	0.0000000	0.00	0.0406549	0.41	0.0000000	0.00	152.6658	0.38	0.0021809	4.62	0.0000000	0.00	0.993233	0.18	0.0109614	12.83	0.0000000	0.00	82.5561	0.09	0.1031410	1.37	963.669	0.03	3.448146	4.62	0.0000000	0.00	0.3156120	2.66	
16D13544	3.2 %	0.0083855	5.94	0.0000000	0.00	0.0455570	0.41	0.0000000	0.00	171.0740	0.38	0.0015672	5.94	0.0000000	0.00	1.105851	0.18	0.0122831	12.83	0.0000000	0.00	91.9168	0.08	0.1155776	1.37	1073.149	0.02	2.477913	5.94	0.0000000	0.00	0.3513980	2.66	
16D13545	3.6 %	✓ 0.0060159	7.85	0.0000000	0.00	0.0376304	0.42	0.0000000	0.00	141.3084	0.39	0.0011244	7.85	0.0000000	0.00	0.903475	0.18	0.0101459	12.83	0.0000000	0.00	75.0956	0.09	0.0954679	1.38	877.819	0.03	1.777689	7.85	0.0000000	0.00	0.2870903	2.66	
16D13546	4.0 %	✓ 0.0047816	10.27	0.0000000	0.00	0.0379147	0.42	0.0000000	0.00	142.3760	0.39	0.0008937	10.27	0.0000000	0.00	0.906664	0.18	0.0102226	12.83	0.0000000	0.00	75.3606	0.09	0.0961892	1.38	881.434	0.03	1.412951	10.27	0.0000000	0.00	0.2881037	2.66	
16D13548	4.5 %	✓ 0.0061756	10.19	0.0000000	0.00	0.0516285	0.40	0.0000000	0.00	193.8734	0.38	0.0011542	10.19	0.0000000	0.00	1.228267	0.18	0.0139201	12.83	0.0000000	0.00	102.0918	0.08	0.1309809	1.37	1194.810	0.02	1.824885	10.19	0.0000000	0.00	0.3902971	2.66	
16D13549	5.2 %	✓ 0.0085502	7.69	0.0000000	0.00	0.0695548	0.40	0.0000000	0.00	261.1897	0.37	0.0015980	7.69	0.0000000	0.00	1.654090	0.18	0.0187534	12.83	0.0000000	0.00	137.4857	0.08	0.1764598	1.37	1611.232	0.02	2.526591	7.69	0.0000000	0.00	0.5256077	2.66	
16D13550	6.1 %	✓ 0.0157193	4.58	0.0000000	0.00	0.0884176	0.40	0.0000000	0.00	332.0227	0.37	0.0029379	4.58	0.0000000	0.00	2.092863	0.18	0.0238392	12.83	0.0000000	0.00	173.9559	0.07	0.2243145	1.37	2034.505	0.01	4.645051	4.58	0.0000000	0.00	0.6650334	2.66	
16D13552	7.3 %	✓ 0.0239144	3.48	0.0000000	0.00	0.0991962	0.39	0.0000000	0.00	372.4980	0.37	0.0044696	3.48	0.0000000	0.00	2.385216	0.18	0.0267454	12.83	0.0000000	0.00	198.2559	0.07	0.2516596	1.37	2318.132	0.01	7.066700	3.48	0.0000000	0.00	0.7579321	2.66	
16D13553	8.5 %	✓ 0.0262463	2.75	0.0000000	0.00	0.0778204	0.40	0.0000002	#####	292.2284	0.37	0.0049054	2.75	0.0000000	0.00	1.853141	0.18	0.0209820	12.83	0.0011841	#####	154.0305	0.07	0.1974295	1.37	1800.323	0.02	7.755783	2.75	0.0000000	0.00	0.5888587	2.66	
16D13554	9.7 %	✓ 0.0115405	5.05	0.0000000	0.00	0.0556868	0.40	0.0000000	0.00	209.1132	0.37	0.0021569	5.05	0.0000000	0.00	1.311510	0.18	0.0150143	12.83	0.0000000	0.00	109.0109	0.08	0.1412769	1.37	1275.572	0.02	3.410228	5.05	0.0000000	0.00	0.4167487	2.66	
16D13556	11.0 %	✓ 0.0034095	13.35	0.0000000	0.00	0.0321308	0.43	0.0000000	0.00	120.6563	0.40	0.0006372	13.35	0.0000000	0.00	0.779235	0.19	0.0086631	12.83	0.0000000	0.00	64.7690	0.10	0.0815154	1.38	759.049	0.03	1.007493	13.35	0.0000000	0.00	0.2476117	2.66	
16D13557	12.4 %	0.0031694	12.90	0.0000000	0.00	0.0213992	0.47	0.0000000	0.00	80.3575	0.45	0.0005924	12.90	0.0000000	0.00	0.505852	0.20	0.0057697	12.83	0.0000000	0.00	42.0457	0.13	0.0542895	1.39	493.055	0.05	0.936552	12.90	0.0000000	0.00	0.1607408	2.66	
16D13558	14.0 %	0.0025908	16.33	0.0000000	0.00	0.0242828	0.45	0.0000010	399.65	91.1859	0.43	0.0004842	16.33	0.0000000	0.00	0.560109	0.20	0.0065472	12.83	0.0059129	399.65	46.5555	0.12	0.0616052	1.39	546.290	0.04	0.765580	16.33	0.0000000	0.00	0.1779816	2.66	
16D13560	15.8 %	0.0031058	13.11	0.0000000	0.00	0.0215079	0.46	0.0000001	#####	80.7659	0.43	0.0005805	13.11	0.0000000	0.00	0.473899	0.21	0.0057990	12.83	0.0003586	#####	39.3898	0.13	0.0545654	1.39	463.308	0.05	0.917761	13.11	0.0000000	0.00	0.1505874	2.66	
16D13561	18.0 %	0.0050956	7.78	0.0000000	0.00	0.0239915	0.46	0.0000004	#####	90.0921	0.43	0.0009524	7.78	0.0000000	0.00	0.505626	0.20	0.0064686	12.83	0.0020470	#####	42.0269	0.13	0.0608662	1.39	493.804	0.05	1.505752	7.78	0.0000000	0.00	0.1606690	2.66	
16D13563	20.5 %	0.0056402	6.59	0.0000000	0.00	0.0187249	0.48	0.0000005	800.38	70.3149	0.45	0.0010542	6.59	0.0000000	0.00	0.387938	0.22	0.0050486	12.83	0.0030042	800.38	32.2449	0.15	0.0475047	1.40	378.880	0.06	1.666677	6.59	0.0000000	0.00	0.1232722	2.66	
16D13564	22.5 %	0.0028836	11.38	0.0000000	0.00	0.0127570	0.57	0.0000000	0.00	47.9045	0.55	0.0005389	11.38	0.0000000	0.00	0.263610	0.27	0.0034395	12.83	0.0000000	0.00	21.9109	0.21	0.0323643	1.43	257.987	0.09	0.852090	11.38	0.0000000	0.00	0.0837654	2.67	
16D13566	24.5 %	0.0027088	11.91	0.0000000	0.00	0.0046337	1.22	0.0000000	0.00	17.4004	1.21	0.0005063	11.91	0.0000000	0.00	0.098790	0.57	0.0012493	12.88	0.0000000	0.00	8.2113	0.55	0.0117557	1.79	96.490	0.23	0.800457	11.91	0.0000000	0.00	0.0313918	2.72	
		Σ	0.1720856	1.37	0.0000000	0.00	0.8036308	0.11	0.0000021	422.04	3017.7650	0.10	0.0321628	1.37	0.0000000	0.00	19.008434	0.05	0.2166755	3.39	0.0125070	422.04	1579.9546	0.02	2.0388021	0.36	18489.771	0.01	50.851294	1.37	0.0000000	0.00	6.0401664	0.71
		Σ					0.9757186	0.26		3017.7650	0.10									19.269779	0.28			1581.9934	0.02							18546.663	0.01	

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D13538	1.8 %	11.804177	0.042985	1.803356	0.017802	0.000874	0.000025	105.258	8.016620	1.00074386	7.590E-12
16D13540	2.0 %	11.743912	0.020760	1.799893	0.009989	0.000688	0.000012	105.269	8.018489	1.00074394	1.664E-11
16D13541	2.4 %	11.729188	0.016159	1.825840	0.008820	0.000711	0.000010	105.275	8.019369	1.00074398	2.265E-11
16D13542	2.8 %	11.703859	0.010530	1.846929	0.007258	0.000633	0.000006	105.281	8.020359	1.00074402	4.644E-11
16D13544	3.2 %	11.691297	0.010026	1.858846	0.007273	0.000586	0.000005	105.293	8.022230	1.00074411	5.165E-11
16D13545	3.6 %	✓ 11.701983	0.010910	1.879325	0.007547	0.000580	0.000006	105.299	8.023110	1.00074415	4.223E-11
16D13546	4.0 %	✓ 11.703840	0.010983	1.886853	0.007520	0.000566	0.000006	105.305	8.024101	1.00074419	4.239E-11
16D13548	4.5 %	✓ 11.709961	0.009674	1.896577	0.007295	0.000565	0.000006	105.317	8.025972	1.00074427	5.746E-11
16D13549	5.2 %	✓ 11.726422	0.008993	1.897325	0.007154	0.000567	0.000004	105.322	8.026853	1.00074431	7.749E-11
16D13550	6.1 %	✓ 11.710944	0.008579	1.906202	0.007123	0.000598	0.000004	105.328	8.027844	1.00074436	9.791E-11
16D13552	7.3 %	✓ 11.717223	0.008393	1.876493	0.006978	0.000620	0.000004	105.340	8.029716	1.00074444	1.116E-10
16D13553	8.5 %	✓ 11.727238	0.008741	1.894782	0.007115	0.000675	0.000004	105.346	8.030597	1.00074448	8.682E-11
16D13554	9.7 %	✓ 11.721243	0.009555	1.915795	0.007338	0.000616	0.000005	105.352	8.031589	1.00074452	6.141E-11
16D13556	11.0 %	✓ 11.723962	0.011874	1.860530	0.007632	0.000548	0.000007	105.364	8.033462	1.00074461	3.649E-11
16D13557	12.4 %	11.737584	0.015670	1.908730	0.008932	0.000584	0.000009	105.369	8.034343	1.00074465	2.372E-11
16D13558	14.0 %	11.738904	0.014394	1.956063	0.008639	0.000576	0.000009	105.375	8.035225	1.00074469	2.627E-11
16D13560	15.8 %	11.772938	0.016555	2.047587	0.009287	0.000624	0.000010	105.387	8.037099	1.00074477	2.229E-11
16D13561	18.0 %	11.772290	0.015620	2.140575	0.009584	0.000691	0.000009	105.393	8.038091	1.00074481	2.378E-11
16D13563	20.5 %	11.788225	0.019109	2.177445	0.010396	0.000755	0.000011	105.405	8.039966	1.00074490	1.827E-11
16D13564	22.5 %	11.799658	0.027008	2.183105	0.012882	0.000713	0.000015	105.410	8.040848	1.00074494	1.243E-11
16D13566	24.5 %	11.835211	0.069701	2.116049	0.028095	0.000893	0.000039	105.422	8.042723	1.00074502	4.671E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D13538	1.8 %	0.0022264 ± 0.0002058	0.0502256 ± 0.0171605	0.0500550 ± 0.0168842	0.0184080 ± 0.0406748	0.5815496 ± 0.2039868
16D13540	2.0 %	0.0022942 ± 0.0002058	0.0572201 ± 0.0171605	0.0436146 ± 0.0168842	0.0223712 ± 0.0406748	0.5312170 ± 0.2039868
16D13541	2.4 %	0.0023218 ± 0.0002058	0.0593899 ± 0.0171605	0.0421612 ± 0.0168842	0.0216248 ± 0.0406748	0.5348212 ± 0.2039868
16D13542	2.8 %	0.0023508 ± 0.0002058	0.0611452 ± 0.0171605	0.0414569 ± 0.0168842	0.0192538 ± 0.0406748	0.5546054 ± 0.2039868
16D13544	3.2 %	0.0024026 ± 0.0002058	0.0629086 ± 0.0171605	0.0421060 ± 0.0168842	0.0115649 ± 0.0406748	0.6240627 ± 0.2039868
16D13545	3.6 %	0.0024266 ± 0.0002058	0.0632039 ± 0.0171605	0.0430189 ± 0.0168842	0.0069922 ± 0.0406748	0.6657909 ± 0.2039868
16D13546	4.0 %	0.0024538 ± 0.0002058	0.0632354 ± 0.0171605	0.0443160 ± 0.0168842	0.0014597 ± 0.0406748	0.7159059 ± 0.2039868
16D13548	4.5 %	0.0025064 ± 0.0002058	0.0626684 ± 0.0171605	0.0470709 ± 0.0168842	0.0092596 ± 0.0406748	0.8104208 ± 0.2039868
16D13549	5.2 %	0.0025317 ± 0.0002058	0.0622020 ± 0.0171605	0.0483232 ± 0.0168842	0.0140905 ± 0.0406748	0.8511865 ± 0.2039868
16D13550	6.1 %	0.0025602 ± 0.0002058	0.0615683 ± 0.0171605	0.0495846 ± 0.0168842	0.0191447 ± 0.0406748	0.8918625 ± 0.2039868
16D13552	7.3 %	0.0026128 ± 0.0002058	0.0601135 ± 0.0171605	0.0513007 ± 0.0168842	0.0271006 ± 0.0406748	0.9484549 ± 0.2039868
16D13553	8.5 %	0.0026359 ± 0.0002058	0.0593118 ± 0.0171605	0.0517306 ± 0.0168842	0.0299523 ± 0.0406748	0.9641140 ± 0.2039868
16D13554	9.7 %	0.0026595 ± 0.0002058	0.0582998 ± 0.0171605	0.0518929 ± 0.0168842	0.0323857 ± 0.0406748	0.9723912 ± 0.2039868
16D13556	11.0 %	0.0026937 ± 0.0002058	0.0559411 ± 0.0171605	0.0512645 ± 0.0168842	0.0346120 ± 0.0406748	0.9598333 ± 0.2039868
16D13557	12.4 %	0.0027030 ± 0.0002058	0.0545443 ± 0.0171605	0.0505757 ± 0.0168842	0.0345781 ± 0.0406748	0.9411837 ± 0.2039868
16D13558	14.0 %	0.0027064 ± 0.0002058	0.0528954 ± 0.0171605	0.0496744 ± 0.0168842	0.0338775 ± 0.0406748	0.9147421 ± 0.2039868
16D13560	15.8 %	0.0026885 ± 0.0002058	0.0482632 ± 0.0171605	0.0472632 ± 0.0168842	0.0303841 ± 0.0406748	0.8352717 ± 0.2039868
16D13561	18.0 %	0.0026617 ± 0.0002058	0.0449938 ± 0.0171605	0.0458708 ± 0.0168842	0.0276081 ± 0.0406748	0.7825108 ± 0.2039868
16D13563	20.5 %	0.0025685 ± 0.0002058	0.0367193 ± 0.0171605	0.0435091 ± 0.0168842	0.0212088 ± 0.0406748	0.6696715 ± 0.2039868
16D13564	22.5 %	0.0025015 ± 0.0002058	0.0316453 ± 0.0171605	0.0427331 ± 0.0168842	0.0179483 ± 0.0406748	0.6138012 ± 0.2039868
16D13566	24.5 %	0.0022994 ± 0.0002058	0.0176680 ± 0.0171605	0.0424628 ± 0.0168842	0.0113695 ± 0.0406748	0.4993796 ± 0.2039868

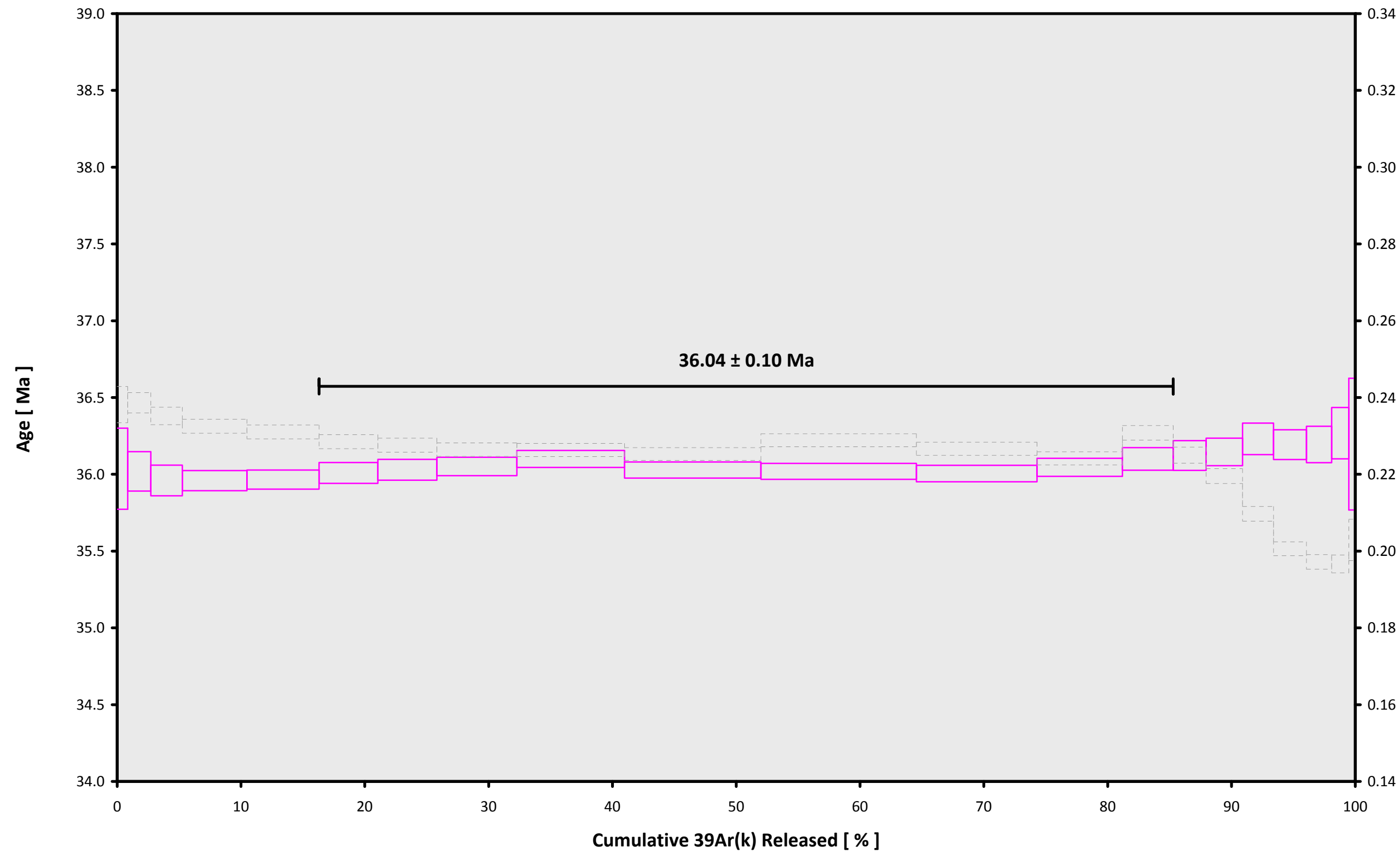
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D13538	1.8 %	0.0132652 ± 0.0002274	0.8521	EXP 150 of 150	2.9968463 ± 0.0183883	0.4678	EXP 150 of 150	0.1851734 ± 0.0160862	0.0000	EXP 150 of 150	13.2681044 ± 0.0175991	0.9577	EXP 150 of 150	158.699523 ± 0.023889	0.9949	EXP 149 of 150
16D13540	2.0 %	0.0214470 ± 0.0002506	0.8753	EXP 150 of 150	6.5366939 ± 0.0183353	0.7998	EXP 150 of 150	0.3707325 ± 0.0166991	0.0044	EXP 149 of 150	29.2570526 ± 0.0182920	0.9909	EXP 150 of 150	347.196115 ± 0.036741	0.9991	EXP 150 of 150
16D13541	2.4 %	0.0293156 ± 0.0003036	0.8505	EXP 150 of 150	9.0161013 ± 0.0199186	0.8707	EXP 149 of 150	0.5148185 ± 0.0134297	0.0550	EXP 150 of 150	39.8811463 ± 0.0186799	0.9951	EXP 150 of 150	472.386586 ± 0.035871	0.9996	EXP 150 of 150
16D13542	2.8 %	0.0517056 ± 0.0004155	0.8735	EXP 150 of 150	18.6750046 ± 0.0168118	0.9770	EXP 150 of 150	1.0295438 ± 0.0170949	0.1100	EXP 150 of 150	81.9699948 ± 0.0215588	0.9985	EXP 150 of 150	967.986923 ± 0.049113	0.9999	EXP 150 of 150
16D13544	3.2 %	0.0532843 ± 0.0003573	0.9203	EXP 150 of 150	20.9163348 ± 0.0199791	0.9745	EXP 150 of 150	1.1375773 ± 0.0168843	0.1432	EXP 150 of 150	91.2748254 ± 0.0207011	0.9989	EXP 150 of 150	1076.601996 ± 0.052892	0.9999	EXP 150 of 150
16D13545	3.6 %	0.0435963 ± 0.0003485	0.9062	EXP 149 of 150	17.2863922 ± 0.0196550	0.9635	EXP 150 of 150	0.9369582 ± 0.0161757	0.0851	EXP 150 of 150	74.5745459 ± 0.0194456	0.9985	EXP 150 of 150	880.549837 ± 0.047488	0.9998	EXP 150 of 150
16D13546	4.0 %	0.0427274 ± 0.0003714	0.9080	EXP 150 of 150	17.4144084 ± 0.0179041	0.9706	EXP 150 of 150	0.9157024 ± 0.0166768	0.0243	EXP 150 of 150	74.8437294 ± 0.0213815	0.9982	EXP 150 of 150	883.850598 ± 0.048959	0.9998	EXP 150 of 150
16D13548	4.5 %	0.0570305 ± 0.0004986	0.8738	EXP 150 of 150	23.6842579 ± 0.0182099	0.9828	EXP 150 of 150	1.2551030 ± 0.0161035	0.1633	EXP 150 of 150	101.4034572 ± 0.0210966	0.9991	EXP 150 of 150	1197.835524 ± 0.053824	0.9999	EXP 150 of 150
16D13549	5.2 %	0.0762049 ± 0.0004833	0.9241	EXP 150 of 150	31.8821355 ± 0.0183592	0.9907	EXP 150 of 150	1.6791959 ± 0.0168658	0.2511	EXP 150 of 150	136.5603181 ± 0.0255336	0.9992	EXP 150 of 150	1615.135262 ± 0.059695	0.9999	EXP 150 of 150
16D13550	6.1 %	0.1007882 ± 0.0004876	0.9364	EXP 150 of 150	40.5058657 ± 0.0196664	0.9933	EXP 150 of 150	2.1032601 ± 0.0149078	0.2800	EXP 150 of 150	172.7874361 ± 0.0260147	0.9995	EXP 150 of 150	2040.706468 ± 0.074717	0.9999	EXP 150 of 150
16D13552	7.3 %	0.1187378 ± 0.0005808	0.9341	EXP 150 of 150	45.4242018 ± 0.0180239	0.9956	EXP 150 of 150	2.3907064 ± 0.0163939	0.3738	EXP 150 of 150	196.9254936 ± 0.0236234	0.9997	EXP 150 of 150	2326.905216 ± 0.080588	0.9999	EXP 150 of 150
16D13553	8.5 %	0.1007978 ± 0.0005147	0.9219	EXP 150 of 150	35.6439863 ± 0.0195651	0.9916	EXP 150 of 150	1.9041890 ± 0.0160383	0.3544	EXP 150 of 150	153.0077105 ± 0.0236011	0.9995	EXP 150 of 150	1809.631995 ± 0.062262	0.9999	EXP 150 of 150
16D13554	9.7 %	0.0660723 ± 0.0004298	0.9239	EXP 150 of 150	25.5188916 ± 0.0189259	0.9843	EXP 150 of 150	1.3168497 ± 0.0174153	0.0598	EXP 150 of 150	108.2997552 ± 0.0240493	0.9989	EXP 150 of 150	1280.371641 ± 0.048417	0.9999	EXP 150 of 150
16D13556	11.0 %	0.0362173 ± 0.0003419	0.9164	EXP 150 of 150	14.7430272 ± 0.0178755	0.9570	EXP 150 of 150	0.8060547 ± 0.0153328	0.0764	EXP 150 of 150	64.3593814 ± 0.0207153	0.9977	EXP 150 of 150	761.264198 ± 0.042430	0.9998	EXP 150 of 150
16D13557	12.4 %	0.0258775 ± 0.0003054	0.9026	EXP 150 of 150	9.8351249 ± 0.0200021	0.8824	EXP 150 of 150	0.5316745 ± 0.0162480	0.0070	EXP 149 of 150	41.7933028 ± 0.0191977	0.9951	EXP 150 of 150	495.093489 ± 0.033672	0.9995	EXP 150 of 150
16D13558	14.0 %	0.0280561 ± 0.0003182	0.9003	EXP 150 of 150	11.1502219 ± 0.0183210	0.9269	EXP 150 of 150	0.6142687 ± 0.0159523	0.0804	EXP 150 of 150	46.2730742 ± 0.0171260	0.9968	EXP 150 of 150	548.148299 ± 0.044115	0.9994	EXP 150 of 150
16D13560	15.8 %	0.0259057 ± 0.0003040	0.8867	EXP 150 of 150	9.8751736 ± 0.0161866	0.9285	EXP 150 of 150	0.5208056 ± 0.0150354	0.0598	EXP 150 of 150	39.1550406 ± 0.0195685	0.9942	EXP 150 of 150	465.211883 ± 0.036524	0.9994	EXP 150 of 150
16D13561	18.0 %	0.0300987 ± 0.0002849	0.8830	EXP 150 of 150	11.0052938 ± 0.0189073	0.9197	EXP 150 of 150	0.5533616 ± 0.0153286	0.0661	EXP 150 of 150	41.7742371 ± 0.0181362	0.9956	EXP 150 of 150	496.252456 ± 0.037956	0.9995	EXP 150 of 150
16D13563	20.5 %	0.0255515 ± 0.0002637	0.8891	EXP 150 of 150	8.5889931 ± 0.0157754	0.9141	EXP 150 of 150	0.4346933 ± 0.0165744	0.0108	EXP 150 of 150	32.0518083 ± 0.0167406	0.9935	EXP 150 of 150	381.339507 ± 0.033363	0.9992	EXP 150 of 150
16D13564	22.5 %	0.0172546 ± 0.0002171	0.9017	EXP 150 of 150	5.8575406 ± 0.0169874	0.8123	EXP 149 of 150	0.2892883 ± 0.0162493	0.0001	EXP 150 of 150	21.7833382 ± 0.0177693	0.9839	EXP 150 of 150	259.536951 ± 0.028903	0.9975	EXP 150 of 150
16D13566	24.5 %	0.0092253 ± 0.0002168	0.8541	EXP 150 of 150	2.1333195 ± 0.0173452	0.2709	EXP 150 of 150	0.1378040 ± 0.0158892	0.0007	EXP 150 of 150	8.1677616 ± 0.0180841	0.8688	EXP 150 of 150	97.820959 ± 0.023552	0.9619	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D13538	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13540	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13541	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13542	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13544	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13545	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13546	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13548	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13549	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13550	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13552	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13553	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13554	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13556	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13557	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13558	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13560	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13561	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13563	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13564	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	01
16D13566	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	21.90	Walvis Ridge\MV1203 (13-INT-04)	16D13537	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	
16D13538	1.8 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	20	40	1
16D13540	2.0 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	20	57	1
16D13541	2.4 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	21	5	1
16D13542	2.8 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	21	14	1
16D13544	3.2 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	21	31	1
16D13545	3.6 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	21	39	1
16D13546	4.0 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	21	48	1
16D13548	4.5 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	5	1
16D13549	5.2 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	13	1
16D13550	6.1 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	22	1
16D13552	7.3 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	39	1
16D13553	8.5 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	47	1
16D13554	9.7 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	22	56	1
16D13556	11.0 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	23	13	1
16D13557	12.4 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	23	21	1
16D13558	14.0 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	23	29	1
16D13560	15.8 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	23	46	1
16D13561	18.0 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	1	APR	2016	23	55	1
16D13563	20.5 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	2	APR	2016	0	12	1
16D13564	22.5 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	2	APR	2016	0	20	1
16D13566	24.5 %	MV1203-D25-06	Plagioclase	Gabriel Guyot	FCT-NM (7B12-15)	28.201	0.082	Kuiper et al (2008)	9.13491	0.141	0.00172059	0.141	304.479	0.137	0.992618	0.067	1	4.8E-14	2	APR	2016	0	37	1

Irradiation Constants		40/36(a)		40/36(c)		38/36(a)		38/36(c)		39/37(ca)		38/37(ca)		36/37(ca)		40/39(k)		38/39(k)		36/38(cl)		K/Ca		K/Cl		Ca/Cl	
		%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0
16D13538	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
16D13540	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
16D13541	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
16D13542	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
16D13544	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
16D13545	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
16D13546	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
16D13548	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
16D13549	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
16D13550	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
16D13552	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
16D13553	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
16D13554	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
16D13556	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
16D13557	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
16D13558	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
16D13560	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
16D13561	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
16D13563	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
16D13564	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
16D13566	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

16D13537.AGE >>> MV1203-D25-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 36.04 ± 0.10

TOTAL FUSION
 36.05 ± 0.10

NORMAL ISOCHRON
 36.12 ± 0.11

INVERSE ISOCHRON
 36.10 ± 0.11

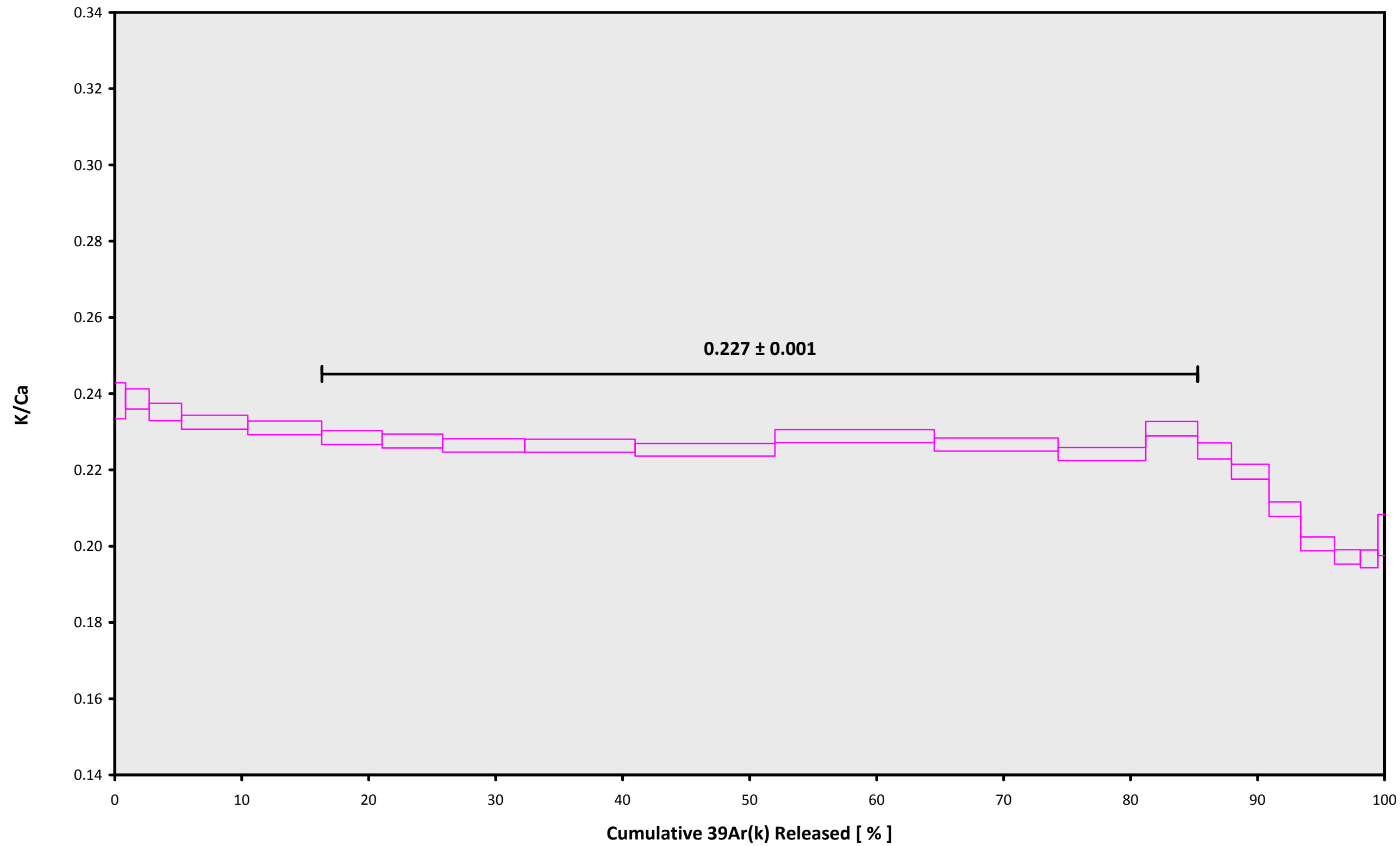
MSWD (PROBABILITY)
 1.38 (20%)

Sample Info

Plagioclase
Gabriel Guyot
Susan Schnur

IRR = 15-OSU-07 (7B12-15)
J = $0.00172059 \pm 0.00000243$

16D13537.AGE >>> MV1203-D25-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.04 ± 0.10

TOTAL FUSION
36.05 ± 0.10

NORMAL ISOCHRON
36.12 ± 0.11

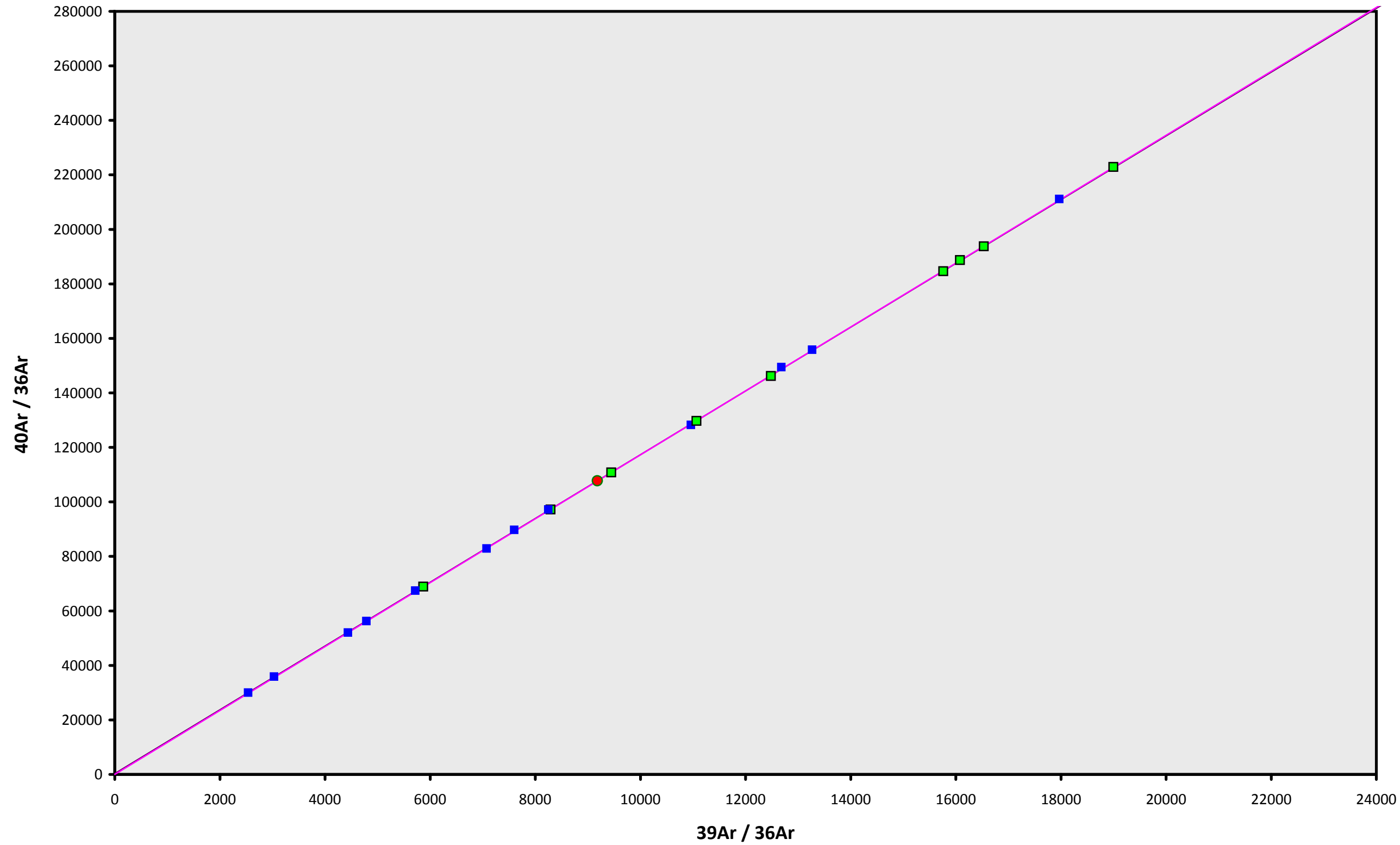
INVERSE ISOCHRON
36.10 ± 0.11

Sample Info

Plagioclase
Gabriel Guyot
Susan Schnur

IRR = 15-OSU-07 (7B12-15)
J = 0.00172059 ± 0.00000243

16D13537.AGE >>> MV1203-D25-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.04 ± 0.10

TOTAL FUSION
36.05 ± 0.10

NORMAL ISOCHRON
36.12 ± 0.11

INVERSE ISOCHRON
36.10 ± 0.11

MSWD (PROBABILITY)
1.00 (43%)

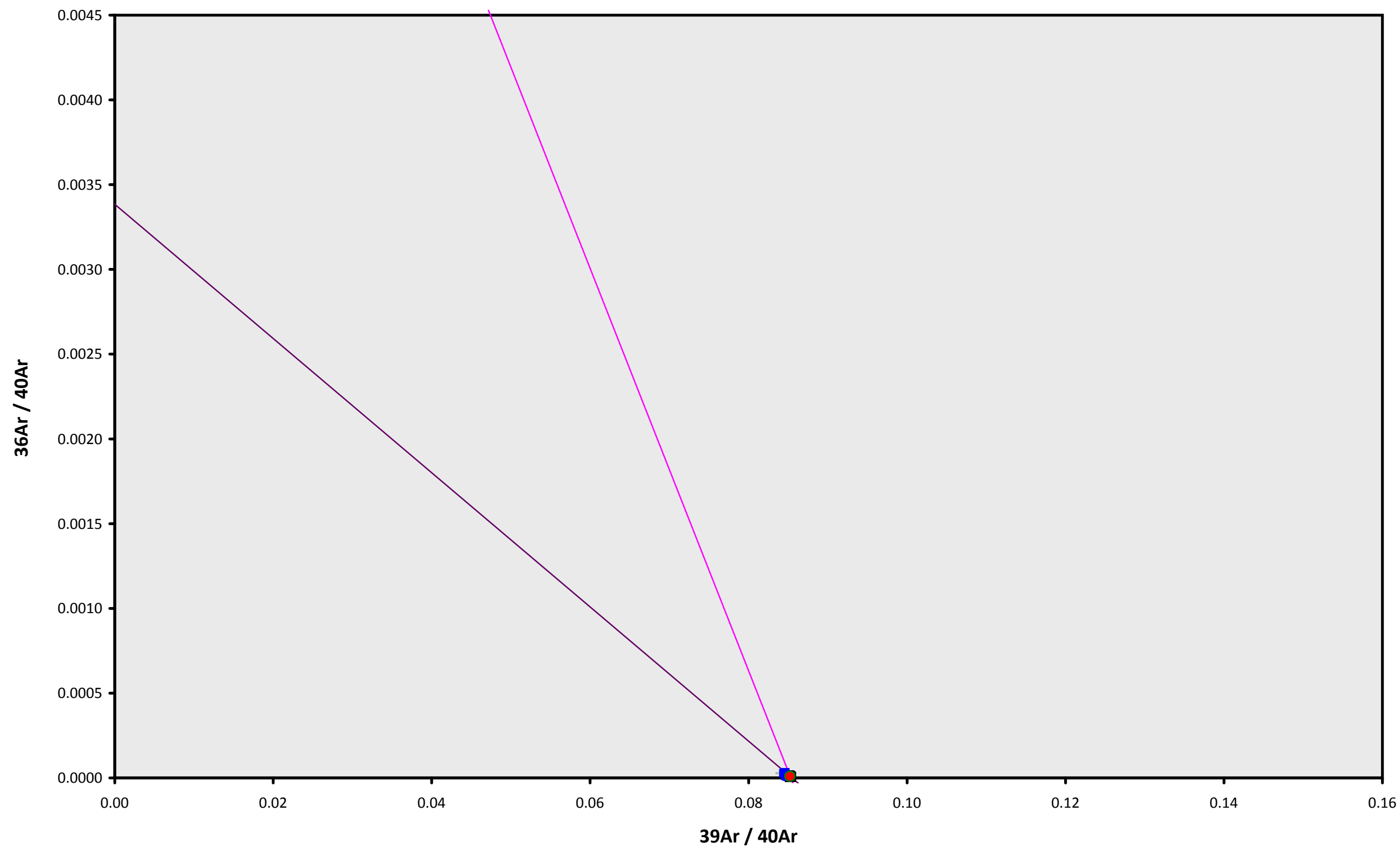
40AR/36AR INTERCEPT
18.7 ± 173.3

Sample Info

Plagioclase
Gabriel Guyot
Susan Schnur

IRR = 15-OSU-07 (7B12-15)
J = 0.00172059 ± 0.00000243

16D13537.AGE >>> MV1203-D25-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 36.04 ± 0.10

TOTAL FUSION
 36.05 ± 0.10

NORMAL ISOCHRON
 36.12 ± 0.11

INVERSE ISOCHRON
 36.10 ± 0.11

MSWD (PROBABILITY)
 $0.87 (53\%)$

SPREADING FACTOR
 0.2%

40AR/36AR INTERCEPT
 98.7 ± 72.9

Sample Info

Plagioclase
Gabriel Guyot
Susan Schnur

IRR = 15-OSU-07 (7B12-15)
J = $0.00172059 \pm 0.00000243$