

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
16D05669	1.0 %	0.0028920	15.839	0.009577	752.635	0.050877	46.362	2.1689	1.047	50.394	0.292	22.83633 ± 0.51275	70.31 ± 1.55	98.29	0.07	97.4 ± 1465.9
16D05671	1.4 %	0.0030275	15.516	0.117289	67.314	0.089098	29.254	6.6341	0.343	139.053	0.106	20.82350 ± 0.15543	64.22 ± 0.47	99.35	0.21	24.3 ± 32.7
16D05672	1.8 %	0.0031958	14.431	0.395193	19.301	0.123418	18.895	9.7010	0.252	196.889	0.075	20.19833 ± 0.10999	62.32 ± 0.33	99.52	0.31	10.6 ± 4.1
16D05674	2.0 %	0.0031548	14.677	0.320852	22.265	0.128255	19.093	11.9083	0.205	240.654	0.062	20.12928 ± 0.08915	62.11 ± 0.27	99.60	0.38	16.0 ± 7.1
16D05675	2.4 %	0.0045380	10.460	0.588311	12.625	0.276498	8.286	22.4418	0.126	450.056	0.033	19.99326 ± 0.05366	61.70 ± 0.16	99.69	0.72	16.4 ± 4.1
16D05676	2.8 %	0.0076920	6.381	1.191632	6.090	0.569338	4.126	47.9110	0.084	957.389	0.016	19.93370 ± 0.03480	61.52 ± 0.11	99.75	1.54	17.3 ± 2.1
16D05678	3.2 %	0.0072526	6.818	1.444441	5.165	0.692961	3.418	57.8085	0.078	1154.735	0.013	19.93659 ± 0.03212	61.53 ± 0.10	99.81	1.86	17.2 ± 1.8
16D05679	3.6 %	0.0081842	6.422	2.150868	3.372	0.990553	2.368	84.4382	0.074	1685.386	0.009	19.92988 ± 0.03014	61.51 ± 0.09	99.85	2.71	16.9 ± 1.1
16D05680	4.0 %	0.0083938	6.245	2.362498	3.176	1.145531	2.217	96.4626	0.072	1923.019	0.008	19.90810 ± 0.02902	61.44 ± 0.09	99.86	3.10	17.6 ± 1.1
16D05682	4.5 %	0.0059130	8.952	2.277775	3.405	1.093251	2.210	91.4390	0.073	1823.554	0.009	19.92221 ± 0.02931	61.48 ± 0.09	99.89	2.94	17.3 ± 1.2
16D05683	5.0 %	0.0107950	5.411	3.827075	2.045	1.890440	1.222	155.6801	0.069	3103.576	0.006	19.91355 ± 0.02776	61.46 ± 0.08	99.89	5.00	17.5 ± 0.7
16D05684	5.5 %	0.0079265	7.329	3.042776	2.389	1.500258	1.603	125.1828	0.070	2496.716	0.007	19.92428 ± 0.02797	61.49 ± 0.08	99.90	4.02	17.7 ± 0.8
16D05686	6.0 %	0.0150525	4.061	4.242274	1.758	2.152793	1.143	179.0449	0.069	3573.369	0.005	19.93147 ± 0.02759	61.51 ± 0.08	99.87	5.75	18.1 ± 0.6
16D05687	6.7 %	0.0185188	3.468	5.982337	1.211	3.047373	0.782	252.8205	0.068	5045.502	0.004	19.93357 ± 0.02716	61.52 ± 0.08	99.88	8.12	18.2 ± 0.4
16D05688	7.4 %	0.0193302	3.408	6.364167	1.189	3.260982	0.723	270.8089	0.068	5407.956	0.003	19.94689 ± 0.02722	61.56 ± 0.08	99.88	8.69	18.3 ± 0.4
16D05690	8.3 %	0.0195227	3.672	7.120176	1.058	3.703372	0.645	306.0945	0.068	6112.914	0.003	19.95015 ± 0.02709	61.57 ± 0.08	99.90	9.83	18.5 ± 0.4
16D05691	9.5 %	0.0319077	2.301	9.396931	0.861	4.915779	0.501	409.7980	0.067	8186.179	0.003	19.95141 ± 0.02691	61.57 ± 0.08	99.87	13.16	18.8 ± 0.3
16D05692	11.0 %	0.0840010	0.968	9.109721	0.830	5.023481	0.518	413.9836	0.067	8284.252	0.003	19.94931 ± 0.02691	61.57 ± 0.08	99.69	13.29	19.5 ± 0.3
16D05694	13.0 %	0.0245863	2.918	7.070697	1.034	3.848860	0.627	319.4243	0.068	6381.344	0.003	19.95311 ± 0.02704	61.58 ± 0.08	99.88	10.25	19.4 ± 0.4
16D05695	15.5 %	0.0090815	6.106	2.848587	2.596	1.530635	1.556	127.9277	0.070	2559.603	0.007	19.98545 ± 0.02830	61.68 ± 0.09	99.88	4.11	19.3 ± 1.0
16D05697	18.5 %	0.0046414	10.891	1.208708	6.004	0.678704	3.553	54.6882	0.081	1097.587	0.014	20.04305 ± 0.03340	61.85 ± 0.10	99.86	1.76	19.5 ± 2.3
16D05698	21.5 %	0.0016185	30.497	0.730589	10.224	0.403475	5.660	32.5378	0.099	655.477	0.023	20.12863 ± 0.04181	62.11 ± 0.13	99.92	1.04	19.2 ± 3.9
16D05700	24.5 %	0.0026018	18.740	0.760155	9.932	0.463133	5.028	36.1430	0.094	731.011	0.021	20.20240 ± 0.03971	62.33 ± 0.12	99.88	1.16	20.4 ± 4.1
Σ		0.3038274	0.906	72.543477	0.495	37.579066	0.307	3115.0477	0.020	62256.615	0.001					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
 Sample = **MV1203-D05-06**
 Material = **K-Feldspar**
 Location = **Fedallah Guyot**
 Region = **Walvis Ridge**
 Analyst = **Susan Schnur**
 Irradiation = **15-OSU-07 (7A11-15)**
 Position = **X: 0 | Y: 0 | Z/H: 20 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.05358 ± 0.01421**
 FCT-NM J-value = **0.00173604 ± 0.00000273**
 Air Shot 40Ar/36Ar = **304.4550 ± 0.4141**
 Air Shot MDF = **0.99263719 ± 0.00066389 (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 = **IESS10062**
 Rock Class = **Igneous>Volcanic>Mafic**
 Lithology = **Trachyte**
 Lat-Lon = **33°04.3'S - 0°06.7'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(c) = **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		19.93522 ± 0.00783 ± 0.04%	61.52 ± 0.19 ± 0.31% Full External Error ± 1.39 Analytical Error ± 0.02	1.06 39%	90.24 14	18.6 ± 0.4
Total Fusion Age		19.95527 ± 0.00786 ± 0.04%	61.59 ± 0.19 ± 0.31% Full External Error ± 1.39 Analytical Error ± 0.02	1.78 1.0305	23	18.5 ± 0.2
Normal Isochron	359.48 ± 199.60 ± 55.52%	19.93001 ± 0.01887 ± 0.09%	61.51 ± 0.20 ± 0.32% Full External Error ± 1.39 Analytical Error ± 0.06	1.09 36%	90.24 14	
Inverse Isochron	380.16 ± 148.06 ± 38.95%	19.92802 ± 0.01881 ± 0.09%	61.50 ± 0.20 ± 0.32% Full External Error ± 1.39 Analytical Error ± 0.06	1.82 1.0461	23 1	
Clustered Points				0.000004397	1 Convergence	
Notes				0.000004397	3 Convergence	
Good plateau				0.0000372690	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
16D05669	1.0 %	0.0028924	0.009577	0.0242425	2.1689	49.531	70.31 ± 1.55	98.29	0.07	97.4 ± 1465.9
16D05671	1.4 %	0.0029955	0.117289	0.0087162	6.6340	138.143	64.22 ± 0.47	99.35	0.21	24.3 ± 32.7
16D05672	1.8 %	0.0030900	0.395193	0.0061026	9.7007	195.939	62.32 ± 0.33	99.52	0.31	10.6 ± 4.1
16D05674	2.0 %	0.0030693	0.320852	0.0000000	11.9081	239.701	62.11 ± 0.27	99.60	0.38	16.0 ± 7.1
16D05675	2.4 %	0.0043809	0.588311	0.0056449	22.4414	448.676	61.70 ± 0.16	99.69	0.72	16.4 ± 4.1
16D05676	2.8 %	✓ 0.0073746	1.191632	0.0000000	47.9102	955.027	61.52 ± 0.11	99.75	1.54	17.3 ± 2.1
16D05678	3.2 %	✓ 0.0068679	1.444441	0.0000000	57.8075	1152.484	61.53 ± 0.10	99.81	1.86	17.2 ± 1.8
16D05679	3.6 %	✓ 0.0076114	2.150868	0.0000000	84.4367	1682.814	61.51 ± 0.09	99.85	2.71	16.9 ± 1.1
16D05680	4.0 %	✓ 0.0077647	2.362498	0.0000000	96.4610	1920.355	61.44 ± 0.09	99.86	3.10	17.6 ± 1.1
16D05682	4.5 %	✓ 0.0053064	2.277775	0.0000000	91.4375	1821.637	61.48 ± 0.09	99.89	2.94	17.3 ± 1.2
16D05683	5.0 %	✓ 0.0097745	3.827075	0.0153815	155.6775	3100.093	61.46 ± 0.08	99.89	5.00	17.5 ± 0.7
16D05684	5.5 %	✓ 0.0071162	3.042776	0.0000000	125.1807	2494.135	61.49 ± 0.08	99.90	4.02	17.7 ± 0.8
16D05686	6.0 %	✓ 0.0139227	4.242274	0.0000000	179.0420	3568.571	61.51 ± 0.08	99.87	5.75	18.1 ± 0.6
16D05687	6.7 %	✓ 0.0169255	5.982337	0.0021461	252.8164	5039.534	61.52 ± 0.08	99.88	8.12	18.2 ± 0.4
16D05688	7.4 %	✓ 0.0176354	6.364167	0.0000000	270.8046	5401.710	61.56 ± 0.08	99.88	8.69	18.3 ± 0.4
16D05690	8.3 %	✓ 0.0176251	7.120176	0.0170020	306.0897	6106.536	61.57 ± 0.08	99.90	9.83	18.5 ± 0.4
16D05691	9.5 %	✓ 0.0294053	9.396931	0.0000000	409.7917	8175.923	61.57 ± 0.08	99.87	13.16	18.8 ± 0.3
16D05692	11.0 %	✓ 0.0815727	9.109721	0.0270183	413.9774	8258.564	61.57 ± 0.08	99.69	13.29	19.5 ± 0.3
16D05694	13.0 %	✓ 0.0227032	7.070697	0.0011721	319.4196	6373.414	61.58 ± 0.08	99.88	10.25	19.4 ± 0.4
16D05695	15.5 %	0.0083230	2.848587	0.0000000	127.9258	2556.654	61.68 ± 0.09	99.88	4.11	19.3 ± 1.0
16D05697	18.5 %	0.0043178	1.208708	0.0198663	54.6874	1096.102	61.85 ± 0.10	99.86	1.76	19.5 ± 2.3
16D05698	21.5 %	0.0014229	0.730589	0.0116997	32.5374	654.932	62.11 ± 0.13	99.92	1.04	19.2 ± 3.9
16D05700	24.5 %	0.0023969	0.760155	0.0277998	36.1425	730.165	62.33 ± 0.12	99.88	1.16	20.4 ± 4.1
Σ		0.2844944	72.543477	0.1667920	3114.9987	62160.638				

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-D05-06 Material = K-Feldspar Location = Fedallah Guyot Region = Walvis Ridge Analyst = Susan Schnur Irradiation = 15-OSU-07 (7A11-15) J = 0.00173604 ± 0.00000273 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	19.93522 ± 0.00783 ± 0.04%	61.52 ± 0.19 ± 0.31%	1.06 39%	90.24 14	18.6 ± 0.4
			Full External Error ± 1.39 Analytical Error ± 0.02	1.78 1.0305	2σ Confidence Limit Error Magnification	
	Total Fusion Age	19.95527 ± 0.00786 ± 0.04%	61.59 ± 0.19 ± 0.31%		23	18.5 ± 0.2
			Full External Error ± 1.39 Analytical Error ± 0.02			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D05669	1.0 %	749.88 ± 238.24	17419.90 ± 5523.36	0.9977
16D05671	1.4 %	2214.68 ± 695.47	46412.89 ± 14571.71	0.9997
16D05672	1.8 %	3139.42 ± 938.16	63706.54 ± 19035.02	0.9998
16D05674	2.0 %	3879.69 ± 1171.60	78390.76 ± 23670.81	0.9999
16D05675	2.4 %	5122.57 ± 1111.10	102712.40 ± 22277.12	0.9999
16D05676	2.8 % ✓	6496.62 ± 865.57	129797.08 ± 17292.14	0.9999
16D05678	3.2 % ✓	8417.02 ± 1213.05	168102.09 ± 24225.36	0.9999
16D05679	3.6 % ✓	11093.42 ± 1533.19	221386.11 ± 30595.30	0.9999
16D05680	4.0 % ✓	12423.04 ± 1678.60	247614.51 ± 33455.85	0.9999
16D05682	4.5 % ✓	17231.43 ± 3440.48	343583.72 ± 68599.18	1.0000
16D05683	5.0 % ✓	15926.89 ± 1904.78	317456.49 ± 37963.74	0.9999
16D05684	5.5 % ✓	17591.02 ± 2873.73	350783.77 ± 57303.23	1.0000
16D05686	6.0 % ✓	12859.68 ± 1130.07	256607.80 ± 22547.15	0.9999
16D05687	6.7 % ✓	14937.01 ± 1134.34	298043.48 ± 22630.37	0.9998
16D05688	7.4 % ✓	15355.70 ± 1147.90	306593.99 ± 22915.27	0.9998
16D05690	8.3 % ✓	17366.67 ± 1413.31	346763.22 ± 28215.81	0.9999
16D05691	9.5 % ✓	13935.98 ± 696.58	278338.02 ± 13907.56	0.9996
16D05692	11.0 % ✓	5074.95 ± 101.40	101537.26 ± 2024.09	0.9977
16D05694	13.0 % ✓	14069.34 ± 889.80	281022.69 ± 17768.92	0.9998
16D05695	15.5 %	15370.22 ± 2049.35	307476.12 ± 40994.34	0.9999
16D05697	18.5 %	12665.61 ± 2967.84	254152.93 ± 59552.37	1.0000
16D05698	21.5 %	22867.04 ± 15877.60	460577.68 ± 319798.21	1.0000
16D05700	24.5 %	15078.88 ± 6139.98	304925.03 ± 124161.45	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	359.48 ± 199.60 ± 55.52%	19.93001 ± 0.01887 ± 0.09%	61.51 ± 0.20 ± 0.32%	1.09 36%
			Full External Error ± 1.39 Analytical Error ± 0.06	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.82 1.0461 14	Convergence Number of Iterations Calculated Line	0.000000439709 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D05669	1.0 %	0.0430470 ± 0.0009362	0.00005741 ± 0.00001820	0.0050
16D05671	1.4 %	0.0477169 ± 0.0003428	0.00002155 ± 0.00000676	0.0020
16D05672	1.8 %	0.0492794 ± 0.0002593	0.00001570 ± 0.00000469	0.0014
16D05674	2.0 %	0.0494916 ± 0.0002117	0.00001276 ± 0.00000385	0.0012
16D05675	2.4 %	0.0498730 ± 0.0001301	0.00000974 ± 0.00000211	0.0008
16D05676	2.8 % ✓	0.0500521 ± 0.0000860	0.00000770 ± 0.00000103	0.0005
16D05678	3.2 % ✓	0.0500709 ± 0.0000797	0.00000595 ± 0.00000086	0.0003
16D05679	3.6 % ✓	0.0501089 ± 0.0000752	0.00000452 ± 0.00000062	0.0002
16D05680	4.0 % ✓	0.0501709 ± 0.0000727	0.00000404 ± 0.00000055	0.0001
16D05682	4.5 % ✓	0.0501521 ± 0.0000733	0.00000291 ± 0.00000058	0.0001
16D05683	5.0 % ✓	0.0501703 ± 0.0000697	0.00000315 ± 0.00000038	0.0001
16D05684	5.5 % ✓	0.0501477 ± 0.0000701	0.00000285 ± 0.00000047	0.0001
16D05686	6.0 % ✓	0.0501141 ± 0.0000692	0.00000390 ± 0.00000034	0.0001
16D05687	6.7 % ✓	0.0501169 ± 0.0000682	0.00000336 ± 0.00000025	0.0001
16D05688	7.4 % ✓	0.0500848 ± 0.0000683	0.00000326 ± 0.00000024	0.0000
16D05690	8.3 % ✓	0.0500822 ± 0.0000679	0.00000288 ± 0.00000023	0.0000
16D05691	9.5 % ✓	0.0500686 ± 0.0000675	0.00000359 ± 0.00000018	0.0000
16D05692	11.0 % ✓	0.0499812 ± 0.0000674	0.00000985 ± 0.00000020	0.0001
16D05694	13.0 % ✓	0.0500648 ± 0.0000678	0.00000356 ± 0.00000022	0.0001
16D05695	15.5 %	0.0499883 ± 0.0000705	0.00000325 ± 0.00000043	0.0001
16D05697	18.5 %	0.0498346 ± 0.0000819	0.00000393 ± 0.00000092	0.0002
16D05698	21.5 %	0.0496486 ± 0.0001007	0.00000217 ± 0.00000151	0.0002
16D05700	24.5 %	0.0494511 ± 0.0000952	0.00000328 ± 0.00000134	0.0002

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	380.16 ± 148.06	19.92802 ± 0.01881	61.50 ± 0.20	1.08
Clustered Points	± 38.95%	± 0.09%	± 0.32%	37%
			Full External Error ± 1.39	
			Analytical Error ± 0.06	
Statistics	2σ Confidence Limit	1.82	Convergence	0.0000372690
	Error Magnification	1.0416	Number of Iterations	3
	Number of Data Points	14	Calculated Line	Weighted York-2
	Spreading Factor	0.4%		

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	
16D05669	1.0 %	0.0028924	15.85	0.0000000	0.00	0.0000026	752.63	0.0000021	97.31	0.009577	752.63	0.0005406	15.85	0.0000000	0.00	0.026095	1.06	0.0000007	752.74	0.0242425	97.32	2.1689	1.05	0.0000065	752.64	49.531	0.40	0.854707	15.85	0.0000000	0.00	0.008292	2.86	
16D05671	1.4 %	0.0029955	15.70	0.0000000	0.00	0.0000312	67.31	0.0000008	299.06	0.117289	67.31	0.0005599	15.70	0.0000000	0.00	0.079814	0.38	0.0000084	68.52	0.0087162	299.06	6.6340	0.34	0.0000792	67.33	138.143	0.15	0.885159	15.70	0.0000000	0.00	0.025362	2.68	
16D05672	1.8 %	0.0030900	14.94	0.0000000	0.00	0.0001052	19.30	0.0000005	382.18	0.395193	19.30	0.0005775	14.94	0.0000000	0.00	0.116710	0.30	0.0000284	23.17	0.0061026	382.18	9.7007	0.25	0.0002670	19.35	195.939	0.10	0.913088	14.94	0.0000000	0.00	0.037086	2.67	
16D05674	2.0 %	0.0030693	15.10	0.0000000	0.00	0.0000854	22.27	0.0000000	0.00	0.320852	22.27	0.0005737	15.10	0.0000000	0.00	0.143266	0.26	0.0000230	25.69	0.0000000	0.00	11.9081	0.20	0.0002168	22.30	239.701	0.08	0.906992	15.10	0.0000000	0.00	0.045525	2.67	
16D05675	2.4 %	0.0043809	10.84	0.0000000	0.00	0.0001567	12.63	0.0000005	405.99	0.588311	12.62	0.0008188	10.84	0.0000000	0.00	0.269992	0.20	0.0000422	17.99	0.0056449	405.99	22.4414	0.13	0.0003975	12.69	448.676	0.05	1.294550	10.84	0.0000000	0.00	0.085793	2.66	
16D05676	2.8 %	0.0073746	6.66	0.0000000	0.00	0.0003173	6.09	0.0000000	0.00	1.191632	6.09	0.0013783	6.66	0.0000000	0.00	0.576407	0.18	0.0000856	14.19	0.0000000	0.00	47.9102	0.08	0.0008051	6.23	955.027	0.02	2.179204	6.66	0.0000000	0.00	0.183161	2.66	
16D05678	3.2 %	0.0068679	7.21	0.0000000	0.00	0.0003847	5.17	0.0000000	0.00	1.444441	5.17	0.0012836	7.21	0.0000000	0.00	0.695482	0.18	0.0001037	13.82	0.0000000	0.00	57.8075	0.08	0.0009759	5.33	1152.484	0.02	2.029474	7.21	0.0000000	0.00	0.220998	2.66	
16D05679	3.6 %	0.0076114	6.91	0.0000000	0.00	0.0005728	3.37	0.0000000	0.00	2.150868	3.37	0.0014226	6.91	0.0000000	0.00	1.015858	0.18	0.0001544	13.26	0.0000000	0.00	84.4367	0.07	0.0014531	3.62	1682.814	0.01	2.249175	6.91	0.0000000	0.00	0.322802	2.66	
16D05680	4.0 %	0.0077647	6.76	0.0000000	0.00	0.0006291	3.18	0.0000000	0.00	2.362498	3.18	0.0014512	6.76	0.0000000	0.00	1.160522	0.18	0.0001696	13.21	0.0000000	0.00	96.4610	0.07	0.0015961	3.44	1920.355	0.01	2.294466	6.76	0.0000000	0.00	0.368770	2.66	
16D05682	4.5 %	0.0053064	9.98	0.0000000	0.00	0.0006066	3.41	0.0000000	0.00	2.277775	3.40	0.0009918	9.98	0.0000000	0.00	1.100084	0.18	0.0001635	13.26	0.0000000	0.00	91.4375	0.07	0.0015389	3.65	1821.637	0.01	1.568051	9.98	0.0000000	0.00	0.349565	2.66	
16D05683	5.0 %	0.0097745	5.98	0.0000000	0.00	0.0010192	2.05	0.0000013	151.74	3.827075	2.04	0.0018269	5.98	0.0000000	0.00	1.872957	0.17	0.0002748	12.98	0.0153815	151.75	155.6775	0.07	0.0025856	2.43	3100.093	0.01	2.888367	5.98	0.0000000	0.00	0.595155	2.66	
16D05684	5.5 %	0.0071162	8.17	0.0000000	0.00	0.0008103	2.39	0.0000000	0.00	3.042776	2.39	0.0013300	8.17	0.0000000	0.00	1.506049	0.17	0.0002185	13.04	0.0000000	0.00	125.1807	0.07	0.0020557	2.73	2494.135	0.01	2.102829	8.17	0.0000000	0.00	0.478566	2.66	
16D05686	6.0 %	0.0139227	4.39	0.0000000	0.00	0.0011297	1.76	0.0000000	0.00	4.242274	1.76	0.0026022	4.39	0.0000000	0.00	2.154055	0.17	0.0003046	12.94	0.0000000	0.00	179.0420	0.07	0.0028661	2.20	3568.571	0.01	4.114171	4.39	0.0000000	0.00	0.684478	2.66	
16D05687	6.7 %	0.0169255	3.80	0.0000000	0.00	0.0015931	1.22	0.0000002	#####	5.982337	1.21	0.0031634	3.80	0.0000000	0.00	3.041634	0.17	0.0004295	12.88	0.0021461	#####	252.8164	0.07	0.0040417	1.79	5039.534	0.01	5.001486	3.80	0.0000000	0.00	0.966517	2.66	
16D05688	7.4 %	0.0176354	3.74	0.0000000	0.00	0.0016948	1.20	0.0000000	0.00	6.364167	1.19	0.0032961	3.74	0.0000000	0.00	3.258050	0.17	0.0004569	12.88	0.0000000	0.00	270.8046	0.07	0.0042996	1.78	5401.710	0.01	5.211274	3.74	0.0000000	0.00	1.035286	2.66	
16D05690	8.3 %	0.0176251	4.07	0.0000000	0.00	0.0018961	1.07	0.0000015	145.36	7.120176	1.06	0.0032941	4.07	0.0000000	0.00	3.682565	0.17	0.0005112	12.86	0.0170020	145.36	306.0897	0.07	0.0048104	1.69	6106.536	0.00	5.208223	4.07	0.0000000	0.00	1.170181	2.66	
16D05691	9.5 %	0.0294053	2.50	0.0000000	0.00	0.0025024	0.87	0.0000000	0.00	9.396931	0.86	0.0054959	2.50	0.0000000	0.00	4.930204	0.17	0.0006747	12.85	0.0000000	0.00	409.7917	0.07	0.0063486	1.58	8175.923	0.00	8.689265	2.50	0.0000000	0.00	1.566634	2.66	
16D05692	11.0 %	0.0815727	1.00	0.0000000	0.00	0.0024259	0.84	0.0000024	101.47	9.109721	0.83	0.0152459	1.00	0.0000000	0.00	4.980563	0.17	0.0006541	12.85	0.0270183	101.47	413.9774	0.07	0.0061545	1.56	8258.564	0.00	24.104734	1.00	0.0000000	0.00	1.582636	2.66	
16D05694	13.0 %	0.0227032	3.16	0.0000000	0.00	0.0018829	1.04	0.0000001	#####	7.070697	1.03	0.0042432	3.16	0.0000000	0.00	3.842937	0.17	0.0005077	12.86	0.0011721	#####	319.4196	0.07	0.0047770	1.68	6373.414	0.00	6.708805	3.16	0.0000000	0.00	1.221141	2.66	
16D05695	15.5 %	0.0083230	6.67	0.0000000	0.00	0.0007586	2.60	0.0000000	0.00	2.848587	2.60	0.0015556	6.67	0.0000000	0.00	1.539075	0.17	0.0002045	13.08	0.0000000	0.00	127.9258	0.07	0.0019245	2.91	2556.654	0.01	2.459437	6.67	0.0000000	0.00	0.489060	2.66	
16D05697	18.5 %	0.0043178	11.72	0.0000000	0.00	0.0003219	6.01	0.0000017	121.54	1.208708	6.00	0.0008070	11.72	0.0000000	0.00	0.657944	0.18	0.0000868	14.16	0.0198663	121.55	54.6874	0.08	0.0008166	6.15	1096.102	0.02	1.275906	11.72	0.0000000	0.00	0.209070	2.66	
16D05698	21.5 %	0.0014229	34.72	0.0000000	0.00	0.0001946	10.23	0.0000010	195.28	0.730589	10.22	0.0002659	34.72	0.0000000	0.00	0.391457	0.19	0.0000525	16.40	0.0116997	195.29	32.5374	0.10	0.0004936	10.31	654.932	0.03	0.420465	34.72	0.0000000	0.00	0.124390	2.66	
16D05700	24.5 %	0.0023969	20.36	0.0000000	0.00	0.0002024	9.93	0.0000024	83.82	0.760155	9.93	0.0004480	20.36	0.0000000	0.00	0.434830	0.19	0.0000546	16.22	0.0277998	83.83	36.1425	0.09	0.0005136	10.02	730.165	0.03	0.708282	20.36	0.0000000	0.00	0.138173	2.66	
		Σ	0.2844944	0.97	0.0000000	0.00	0.0193183	0.50	0.0000146	50.45	72.543477	0.49	0.0531720	0.97	0.0000000	0.00	37.476550	0.05	0.0052086	3.66	0.1667920	50.46	3114.9987	0.02	0.0490104	0.62	62160.638	0.00	84.068109	0.97	0.0000000	0.00	11.908640	0.76
		Σ						0.3038274	0.91	72.543477	0.49									37.701722	0.23			3115.0477	0.02					62256.615	0.00			

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D05669	1.0 %	23.234293	0.252663	0.004416	0.033233	0.001333	0.000212	53.925	2.908375	1.00038145	2.419E-12
16D05671	1.4 %	20.960500	0.075288	0.017680	0.011901	0.000456	0.000071	53.937	2.909053	1.00038153	6.675E-12
16D05672	1.8 %	20.295724	0.053400	0.040737	0.007863	0.000329	0.000048	53.943	2.909413	1.00038158	9.451E-12
16D05674	2.0 %	20.208896	0.043223	0.026944	0.005999	0.000265	0.000039	53.955	2.910091	1.00038166	1.155E-11
16D05675	2.4 %	20.054413	0.026163	0.026215	0.003310	0.000202	0.000021	53.960	2.910410	1.00038170	2.160E-11
16D05676	2.8 %	✓ 19.982669	0.017174	0.024872	0.001515	0.000161	0.000010	53.966	2.910730	1.00038174	4.595E-11
16D05678	3.2 %	✓ 19.975184	0.015887	0.024987	0.001291	0.000125	0.000009	53.978	2.911409	1.00038182	5.543E-11
16D05679	3.6 %	✓ 19.960001	0.014980	0.025473	0.000859	0.000097	0.000006	53.984	2.911768	1.00038187	8.090E-11
16D05680	4.0 %	✓ 19.935378	0.014441	0.024491	0.000778	0.000087	0.000005	53.990	2.912088	1.00038191	9.230E-11
16D05682	4.5 %	✓ 19.942849	0.014571	0.024910	0.000848	0.000065	0.000006	54.001	2.912767	1.00038199	8.753E-11
16D05683	5.0 %	✓ 19.935596	0.013848	0.024583	0.000503	0.000069	0.000004	54.008	2.913126	1.00038203	1.490E-10
16D05684	5.5 %	✓ 19.944570	0.013931	0.024307	0.000581	0.000063	0.000005	54.013	2.913446	1.00038207	1.198E-10
16D05686	6.0 %	✓ 19.957950	0.013776	0.023694	0.000417	0.000084	0.000003	54.025	2.914126	1.00038216	1.715E-10
16D05687	6.7 %	✓ 19.956856	0.013576	0.023662	0.000287	0.000073	0.000003	54.031	2.914485	1.00038220	2.422E-10
16D05688	7.4 %	✓ 19.969639	0.013606	0.023501	0.000280	0.000071	0.000002	54.037	2.914805	1.00038224	2.596E-10
16D05690	8.3 %	✓ 19.970676	0.013541	0.023261	0.000247	0.000064	0.000002	54.049	2.915485	1.00038232	2.934E-10
16D05691	9.5 %	✓ 19.976130	0.013461	0.022931	0.000198	0.000078	0.000002	54.055	2.915845	1.00038237	3.929E-10
16D05692	11.0 %	✓ 20.011062	0.013484	0.022005	0.000183	0.000203	0.000002	54.060	2.916165	1.00038241	3.976E-10
16D05694	13.0 %	✓ 19.977639	0.013522	0.022136	0.000229	0.000077	0.000002	54.072	2.916845	1.00038249	3.063E-10
16D05695	15.5 %	20.008193	0.014107	0.022267	0.000578	0.000071	0.000004	54.078	2.917205	1.00038253	1.229E-10
16D05697	18.5 %	20.069908	0.016496	0.022102	0.001327	0.000085	0.000009	54.090	2.917845	1.00038261	5.268E-11
16D05698	21.5 %	20.145069	0.020431	0.022454	0.002296	0.000050	0.000015	54.096	2.918206	1.00038266	3.146E-11
16D05700	24.5 %	20.225530	0.019469	0.021032	0.002089	0.000072	0.000013	54.108	2.918886	1.00038274	3.509E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D05669	1.0 %	0.0039856 ± 0.0003918	0.0045216 ± 0.0173880	0.0603874 ± 0.0165979	0.0620560 ± 0.0160146	1.6651552 ± 0.1459634
16D05671	1.4 %	0.0038384 ± 0.0003918	0.0174708 ± 0.0173880	0.0513339 ± 0.0165979	0.0427718 ± 0.0160146	1.4540444 ± 0.1459634
16D05672	1.8 %	0.0037904 ± 0.0003918	0.0221250 ± 0.0173880	0.0483612 ± 0.0165979	0.0351433 ± 0.0160146	1.3835651 ± 0.1459634
16D05674	2.0 %	0.0037479 ± 0.0003918	0.0277507 ± 0.0173880	0.0452076 ± 0.0165979	0.0247953 ± 0.0160146	1.3135216 ± 0.1459634
16D05675	2.4 %	0.0037467 ± 0.0003918	0.0292840 ± 0.0173880	0.0445274 ± 0.0165979	0.0214931 ± 0.0160146	1.3041154 ± 0.1459634
16D05676	2.8 %	0.0037558 ± 0.0003918	0.0302834 ± 0.0173880	0.0441897 ± 0.0165979	0.0190370 ± 0.0160146	1.3068603 ± 0.1459634
16D05678	3.2 %	0.0038028 ± 0.0003918	0.0311548 ± 0.0173880	0.0441173 ± 0.0165979	0.0161478 ± 0.0160146	1.3440188 ± 0.1459634
16D05679	3.6 %	0.0038394 ± 0.0003918	0.0311867 ± 0.0173880	0.0441939 ± 0.0165979	0.0156494 ± 0.0160146	1.3761509 ± 0.1459634
16D05680	4.0 %	0.0038768 ± 0.0003918	0.0310960 ± 0.0173880	0.0442113 ± 0.0165979	0.0156711 ± 0.0160146	1.4093633 ± 0.1459634
16D05682	4.5 %	0.0039647 ± 0.0003918	0.0308618 ± 0.0173880	0.0438064 ± 0.0165979	0.0167935 ± 0.0160146	1.4871002 ± 0.1459634
16D05683	5.0 %	0.0040124 ± 0.0003918	0.0308607 ± 0.0173880	0.0432323 ± 0.0165979	0.0177939 ± 0.0160146	1.5284757 ± 0.1459634
16D05684	5.5 %	0.0040534 ± 0.0003918	0.0309954 ± 0.0173880	0.0424672 ± 0.0165979	0.0188226 ± 0.0160146	1.5634102 ± 0.1459634
16D05686	6.0 %	0.0041296 ± 0.0003918	0.0318285 ± 0.0173880	0.0399876 ± 0.0165979	0.0211871 ± 0.0160146	1.6264478 ± 0.1459634
16D05687	6.7 %	0.0041604 ± 0.0003918	0.0326022 ± 0.0173880	0.0382119 ± 0.0165979	0.0224161 ± 0.0160146	1.6509985 ± 0.1459634
16D05688	7.4 %	0.0041801 ± 0.0003918	0.0334811 ± 0.0173880	0.0363907 ± 0.0165979	0.0234367 ± 0.0160146	1.6663414 ± 0.1459634
16D05690	8.3 %	0.0041913 ± 0.0003918	0.0358618 ± 0.0173880	0.0319294 ± 0.0165979	0.0252422 ± 0.0160146	1.6751935 ± 0.1459634
16D05691	9.5 %	0.0041769 ± 0.0003918	0.0373219 ± 0.0173880	0.0293729 ± 0.0165979	0.0259423 ± 0.0160146	1.6652118 ± 0.1459634
16D05692	11.0 %	0.0041500 ± 0.0003918	0.0386673 ± 0.0173880	0.0270857 ± 0.0165979	0.0263954 ± 0.0160146	1.6470807 ± 0.1459634
16D05694	13.0 %	0.0040424 ± 0.0003918	0.0413830 ± 0.0173880	0.0225711 ± 0.0165979	0.0268090 ± 0.0160146	1.5780535 ± 0.1459634
16D05695	15.5 %	0.0039540 ± 0.0003918	0.0425449 ± 0.0173880	0.0206262 ± 0.0165979	0.0267353 ± 0.0160146	1.5241920 ± 0.1459634
16D05697	18.5 %	0.0037352 ± 0.0003918	0.0436348 ± 0.0173880	0.0185640 ± 0.0165979	0.0261749 ± 0.0160146	1.3985536 ± 0.1459634
16D05698	21.5 %	0.0035740 ± 0.0003918	0.0434281 ± 0.0173880	0.0185225 ± 0.0165979	0.0256741 ± 0.0160146	1.3113274 ± 0.1459634
16D05700	24.5 %	0.0031857 ± 0.0003918	0.0406701 ± 0.0173880	0.0215586 ± 0.0165979	0.0245565 ± 0.0160146	1.1155996 ± 0.1459634

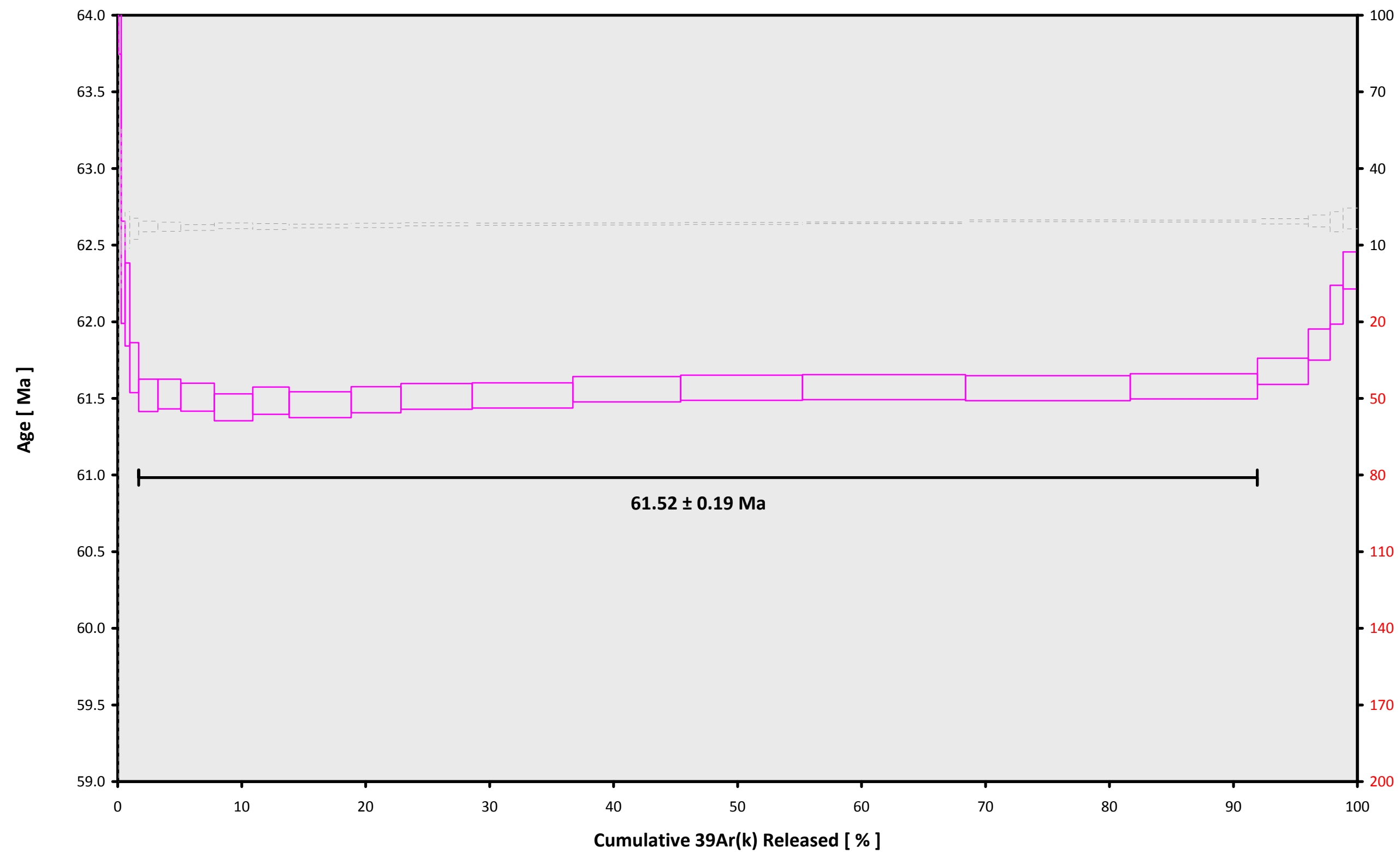
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D05669	1.0 %	0.0067285 ± 0.0001875	0.9317	EXP 150 of 150	0.0077419 ± 0.0168845	0.0010	EXP 149 of 150	0.1105154 ± 0.0162668	0.0150	EXP 149 of 150	2.214236 ± 0.015802	0.0002	EXP 150 of 150	52.05894 ± 0.01917	0.9994	EXP 150 of 150
16D05671	1.4 %	0.0067099 ± 0.0002119	0.9269	EXP 150 of 150	0.0219586 ± 0.0200523	0.0093	EXP 150 of 150	0.1391202 ± 0.0195960	0.0006	EXP 150 of 150	6.625576 ± 0.015315	0.8051	EXP 150 of 150	140.50741 ± 0.02128	0.9939	EXP 150 of 150
16D05672	1.8 %	0.0068215 ± 0.0001942	0.9446	EXP 150 of 150	0.1107115 ± 0.0188383	0.0264	EXP 150 of 150	0.1699621 ± 0.0158867	0.0001	EXP 150 of 150	9.661181 ± 0.017057	0.9062	EXP 150 of 150	198.27237 ± 0.02756	0.1241	EXP 150 of 150
16D05674	2.0 %	0.0067401 ± 0.0001981	0.9478	EXP 150 of 150	0.0800726 ± 0.0165503	0.0004	EXP 150 of 150	0.1715744 ± 0.0175095	0.0012	EXP 150 of 150	11.841089 ± 0.016337	0.9401	EXP 150 of 150	241.96739 ± 0.02707	0.9906	EXP 150 of 150
16D05675	2.4 %	0.0080509 ± 0.0002214	0.9555	EXP 150 of 150	0.1683978 ± 0.0178959	0.0011	EXP 150 of 150	0.3169545 ± 0.0152941	0.0180	EXP 150 of 150	22.289842 ± 0.017637	0.9839	EXP 150 of 150	451.36052 ± 0.03697	0.9991	EXP 150 of 150
16D05676	2.8 %	0.0110514 ± 0.0002506	0.9752	EXP 150 of 150	0.3700800 ± 0.0170618	0.0017	EXP 150 of 150	0.6051451 ± 0.0161126	0.0180	EXP 150 of 150	47.559786 ± 0.018626	0.9964	EXP 150 of 150	958.69602 ± 0.05109	0.9998	EXP 150 of 150
16D05678	3.2 %	0.0106816 ± 0.0002570	0.9782	EXP 149 of 150	0.4540339 ± 0.0180039	0.0051	EXP 150 of 150	0.7268756 ± 0.0163815	0.0600	EXP 150 of 150	57.377892 ± 0.017306	0.9979	EXP 150 of 150	1156.07859 ± 0.05251	0.9999	EXP 150 of 150
16D05679	3.6 %	0.0116019 ± 0.0003074	0.9821	EXP 150 of 150	0.6912018 ± 0.0169562	0.0417	EXP 150 of 150	1.0201633 ± 0.0160271	0.0577	EXP 149 of 150	83.801306 ± 0.022545	0.9984	EXP 150 of 150	1686.76176 ± 0.05882	0.9999	EXP 150 of 150
16D05680	4.0 %	0.0118381 ± 0.0003052	0.9854	EXP 150 of 150	0.7622835 ± 0.0181200	0.0339	EXP 150 of 150	1.1728769 ± 0.0186626	0.0994	EXP 150 of 150	95.732862 ± 0.020149	0.9990	EXP 150 of 150	1924.42801 ± 0.06297	0.9999	EXP 150 of 150
16D05682	4.5 %	0.0095730 ± 0.0003135	0.9835	EXP 150 of 150	0.7338875 ± 0.0192818	0.0233	EXP 150 of 150	1.1209618 ± 0.0170076	0.0935	EXP 150 of 150	90.749186 ± 0.020188	0.9989	EXP 150 of 150	1825.04122 ± 0.06247	0.9999	EXP 150 of 150
16D05683	5.0 %	0.0142511 ± 0.0003906	0.9888	EXP 150 of 150	1.2538982 ± 0.0194150	0.0682	EXP 150 of 150	1.9058389 ± 0.0153842	0.3360	EXP 150 of 150	154.494878 ± 0.023425	0.9995	EXP 150 of 150	3105.10460 ± 0.09700	0.9999	EXP 150 of 150
16D05684	5.5 %	0.0115714 ± 0.0003868	0.9864	EXP 150 of 150	0.9903602 ± 0.0169252	0.0560	EXP 150 of 150	1.5206367 ± 0.0167841	0.1758	EXP 150 of 150	124.234199 ± 0.018162	0.9995	EXP 150 of 150	2498.27965 ± 0.07381	0.9999	EXP 150 of 150
16D05686	6.0 %	0.0184064 ± 0.0004256	0.9891	EXP 150 of 150	1.3918253 ± 0.0176398	0.0551	EXP 150 of 150	2.1610853 ± 0.0174355	0.3180	EXP 150 of 150	177.682469 ± 0.025358	0.9995	EXP 150 of 150	3574.99567 ± 0.09662	1.0000	EXP 150 of 150
16D05687	6.7 %	0.0217249 ± 0.0004640	0.9931	EXP 150 of 150	1.9747472 ± 0.0162121	0.2757	EXP 150 of 150	3.0407187 ± 0.0161183	0.5064	EXP 150 of 150	250.889131 ± 0.027063	0.9997	EXP 150 of 150	5047.15264 ± 0.12802	1.0000	EXP 150 of 150
16D05688	7.4 %	0.0225142 ± 0.0004841	0.9938	EXP 150 of 150	2.1017553 ± 0.0176905	0.2182	EXP 150 of 150	3.2493609 ± 0.0156469	0.4997	EXP 150 of 150	268.739578 ± 0.031717	0.9997	EXP 150 of 150	5409.62284 ± 0.11649	1.0000	EXP 150 of 150
16D05690	8.3 %	0.0227080 ± 0.0005533	0.9932	EXP 150 of 150	2.3524656 ± 0.0172975	0.3025	EXP 150 of 150	3.6807768 ± 0.0159201	0.5876	EXP 150 of 150	303.754252 ± 0.030981	0.9998	EXP 150 of 150	6114.58917 ± 0.12623	1.0000	EXP 150 of 150
16D05691	9.5 %	0.0344403 ± 0.0005698	0.9958	EXP 150 of 150	3.1143106 ± 0.0192275	0.3609	EXP 150 of 150	4.8727766 ± 0.0164859	0.6770	EXP 150 of 150	406.657061 ± 0.032198	0.9999	EXP 150 of 150	8187.84402 ± 0.16010	1.0000	EXP 150 of 150
16D05692	11.0 %	0.0838223 ± 0.0006272	0.9948	EXP 150 of 150	3.0163028 ± 0.0167163	0.3494	EXP 149 of 150	4.9766058 ± 0.0183556	0.6874	EXP 150 of 150	410.810713 ± 0.032381	0.9999	EXP 150 of 150	8285.89865 ± 0.16758	1.0000	EXP 150 of 150
16D05694	13.0 %	0.0273617 ± 0.0005527	0.9942	EXP 150 of 150	2.3292420 ± 0.0161764	0.2949	EXP 149 of 150	3.8147638 ± 0.0162463	0.5934	EXP 150 of 150	316.982588 ± 0.029958	0.9998	EXP 150 of 150	6382.92196 ± 0.14794	1.0000	EXP 150 of 150
16D05695	15.5 %	0.0125675 ± 0.0003500	0.9909	EXP 150 of 150	0.9123961 ± 0.0174991	0.0666	EXP 150 of 150	1.5287256 ± 0.0164583	0.1614	EXP 150 of 150	126.965818 ± 0.022474	0.9993	EXP 150 of 150	2561.12695 ± 0.08174	0.9999	EXP 150 of 150
16D05697	18.5 %	0.0081375 ± 0.0002760	0.9824	EXP 150 of 150	0.3614753 ± 0.0169749	0.0073	EXP 150 of 150	0.6872755 ± 0.0169789	0.0322	EXP 150 of 150	54.291736 ± 0.019022	0.9969	EXP 150 of 150	1098.98578 ± 0.05335	0.9997	EXP 150 of 150
16D05698	21.5 %	0.0051091 ± 0.0002561	0.9762	EXP 150 of 150	0.2014056 ± 0.0179969	0.0000	EXP 150 of 150	0.4160570 ± 0.0151796	0.0093	EXP 150 of 150	32.312058 ± 0.017159	0.9921	EXP 150 of 150	656.78847 ± 0.04613	0.9987	EXP 150 of 150
16D05700	24.5 %	0.0056534 ± 0.0002455	0.9741	EXP 150 of 150	0.2140125 ± 0.0183585	0.0107	EXP 150 of 150	0.4778726 ± 0.0158279	0.0266	EXP 150 of 150	35.888236 ± 0.017475	0.9939	EXP 150 of 150	732.12705 ± 0.04781	0.9994	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D05669	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05671	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05672	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05674	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05675	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05676	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05678	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05679	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05680	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05682	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05683	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05684	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05686	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05687	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05688	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05690	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05691	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05692	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05694	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05695	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05697	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05698	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	01
16D05700	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	20.00	Walvis Ridge\MV1203 (13-INT-04)	16D05668	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	
16D05669	1.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	12	41	1
16D05671	1.4 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	12	58	1
16D05672	1.8 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	13	7	1
16D05674	2.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	13	24	1
16D05675	2.4 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	13	32	1
16D05676	2.8 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	13	40	1
16D05678	3.2 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	13	57	1
16D05679	3.6 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	14	6	1
16D05680	4.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	14	14	1
16D05682	4.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	14	31	1
16D05683	5.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	14	40	1
16D05684	5.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	14	48	1
16D05686	6.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	5	1
16D05687	6.7 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	14	1
16D05688	7.4 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	22	1
16D05690	8.3 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	39	1
16D05691	9.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	48	1
16D05692	11.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	15	56	1
16D05694	13.0 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	16	13	1
16D05695	15.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	16	22	1
16D05697	18.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	16	38	1
16D05698	21.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	16	47	1
16D05700	24.5 %	MV1203-D05-06	K-Feldspar	Fedallah Guyot	FCT-NM (7A11-15)	28.201	0.082	Kuiper et al (2008)	9.05358	0.157	0.00173604	0.157	304.455	0.136	0.9926372	0.067	1	4.8E-14	10	FEB	2016	17	4	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
16D05669	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
16D05671	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
16D05672	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
16D05674	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
16D05675	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
16D05676	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
16D05678	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
16D05679	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
16D05680	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
16D05682	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
16D05683	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
16D05684	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
16D05686	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
16D05687	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
16D05688	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
16D05690	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
16D05691	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
16D05692	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
16D05694	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
16D05695	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
16D05697	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
16D05698	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
16D05700	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

16D05668.AGE >>> MV1203-D05-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.52 ± 0.19

TOTAL FUSION
61.59 ± 0.19

NORMAL ISOCHRON
61.51 ± 0.20

INVERSE ISOCHRON
61.50 ± 0.20

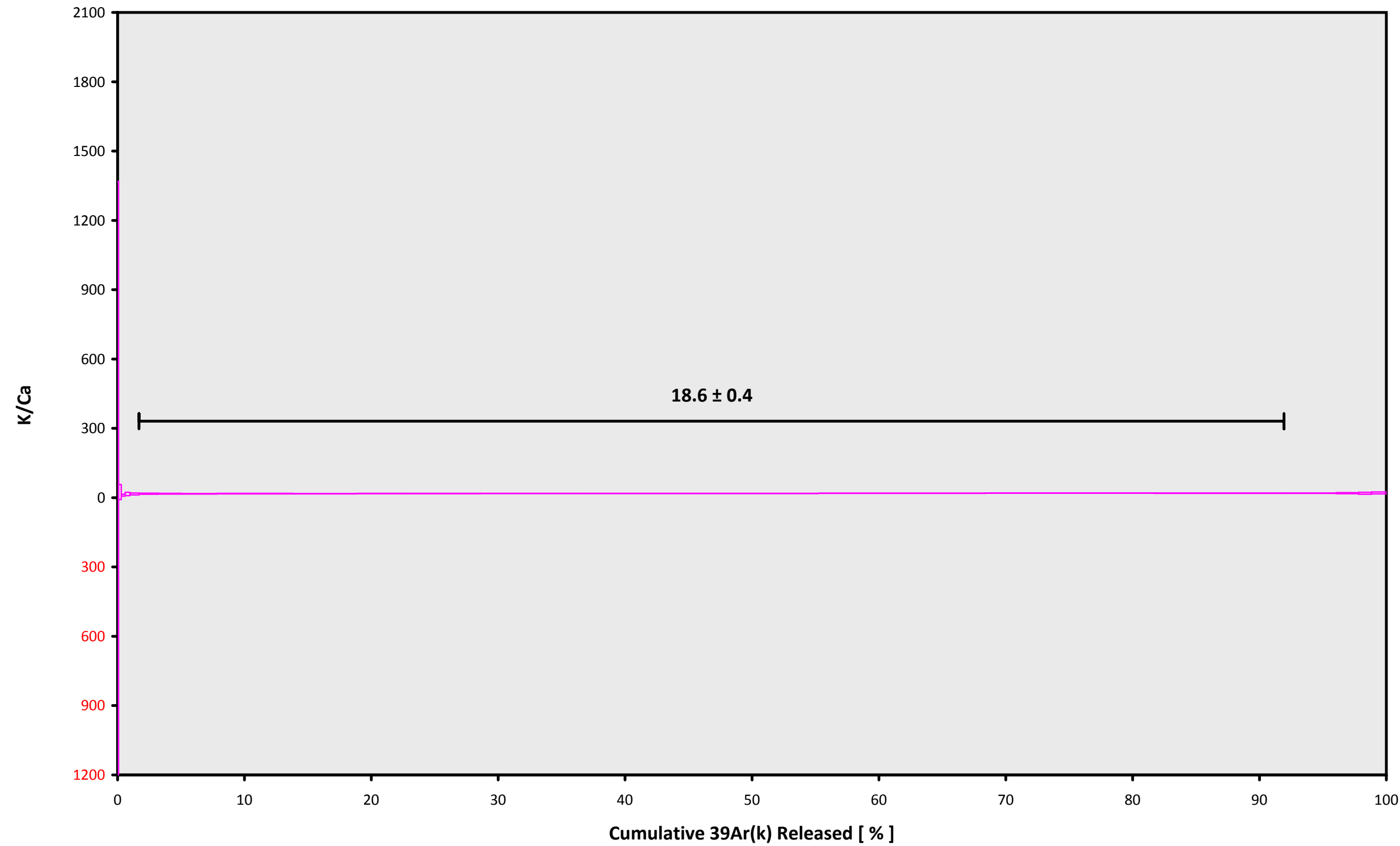
MSWD (PROBABILITY)
1.06 (39%)

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A11-15)
J = 0.00173604 ± 0.00000273

16D05668.AGE >>> MV1203-D05-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.52 ± 0.19

TOTAL FUSION
61.59 ± 0.19

NORMAL ISOCHRON
61.51 ± 0.20

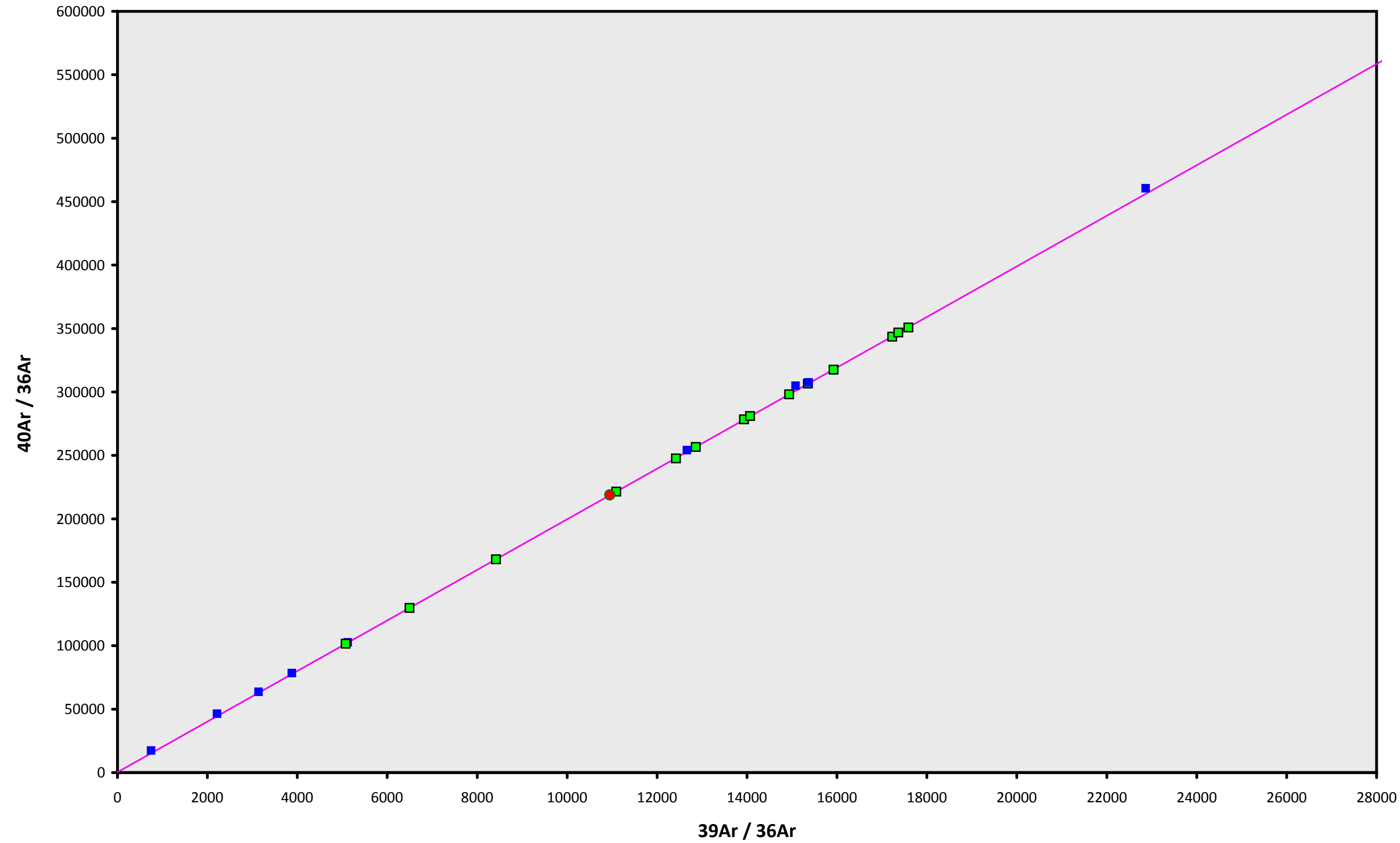
INVERSE ISOCHRON
61.50 ± 0.20

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A11-15)
J = 0.00173604 ± 0.00000273

16D05668.AGE >>> MV1203-D05-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 61.52 ± 0.19

TOTAL FUSION
 61.59 ± 0.19

NORMAL ISOCHRON
 61.51 ± 0.20

INVERSE ISOCHRON
 61.50 ± 0.20

MSWD (PROBABILITY)
 $1.09 (36\%)$

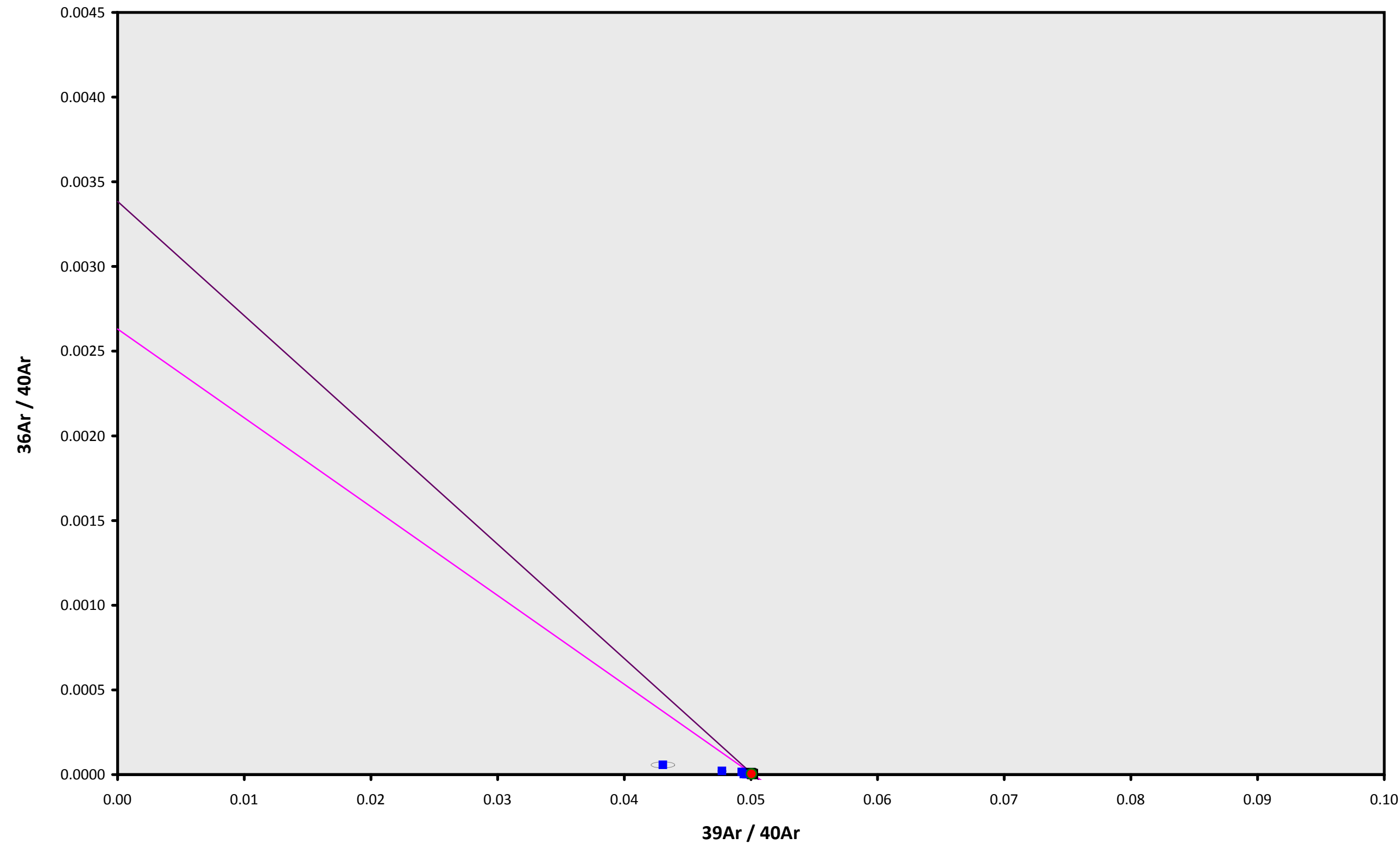
40AR/36AR INTERCEPT
 359.5 ± 199.6

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A11-15)
J = $0.00173604 \pm 0.00000273$

16D05668.AGE >>> MV1203-D05-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

61.52 ± 0.19

TOTAL FUSION

61.59 ± 0.19

NORMAL ISOCHRON

61.51 ± 0.20

INVERSE ISOCHRON

61.50 ± 0.20

MSWD (PROBABILITY)

1.08 (37%)

SPREADING FACTOR

0.4%

40AR/36AR INTERCEPT

380.2 ± 148.1

Sample Info

K-Feldspar

Fedallah Guyot

Susan Schnur

IRR = 15-OSU-07 (7A11-15)

J = 0.00173604 ± 0.00000273