

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
16D05450	1.8 %	0.0189239	1.760	57.4510	0.286	0.0513943	47.585	1.88823	1.192	34.0948	0.080	17.85282 ± 0.44890	56.10 ± 1.39	96.84	0.68	0.0138 ± 0.0003
16D05452	2.0 %	0.0388668	1.170	131.4815	0.258	0.0879727	34.522	4.45553	0.661	77.0399	0.041	17.37814 ± 0.24340	54.63 ± 0.75	98.50	1.60	0.0143 ± 0.0002
16D05453	2.4 %	0.0656931	0.788	234.8837	0.254	0.1060868	29.061	7.87920	0.384	136.8318	0.024	17.59900 ± 0.14477	55.31 ± 0.45	99.30	2.83	0.0141 ± 0.0001
16D05454	2.8 %	0.0813560	0.708	296.4866	0.253	0.1397770	22.332	9.84269	0.309	171.4990	0.022	17.70855 ± 0.11858	55.65 ± 0.37	99.56	3.54	0.0140 ± 0.0001
16D05456	3.2 %	0.0870053	0.690	326.4224	0.253	0.1464747	21.220	10.91041	0.281	188.5599	0.019	17.63310 ± 0.10800	55.42 ± 0.33	99.97	3.92	0.0141 ± 0.0001
16D05457	3.6 %	0.1446667	0.522	535.9737	0.252	0.2312677	13.251	18.10031	0.177	311.9495	0.013	17.55022 ± 0.07035	55.16 ± 0.22	99.79	6.50	0.0142 ± 0.0001
16D05458	4.0 %	0.1148135	0.539	427.8833	0.253	0.1937022	15.753	14.42551	0.214	250.1276	0.015	17.67185 ± 0.08347	55.54 ± 0.26	99.88	5.18	0.0142 ± 0.0001
16D05460	4.5 %	0.1509286	0.568	561.0489	0.252	0.2383186	12.682	19.20609	0.170	332.0675	0.012	17.61009 ± 0.06887	55.35 ± 0.21	99.84	6.90	0.0144 ± 0.0001
16D05461	5.2 %	0.1727571	0.515	614.5166	0.252	0.2526453	12.072	21.31664	0.157	371.2360	0.011	17.62860 ± 0.06420	55.40 ± 0.20	99.25	7.66	0.0146 ± 0.0001
16D05462	6.1 %	0.2132046	0.458	735.4685	0.252	0.3620319	8.218	26.02991	0.134	456.8820	0.009	17.68916 ± 0.05584	55.59 ± 0.17	98.86	9.36	0.0149 ± 0.0001
16D05464	7.3 %	0.2126372	0.468	767.0311	0.252	0.3645617	8.344	27.73836	0.131	482.8454	0.009	17.64376 ± 0.05434	55.45 ± 0.17	99.47	9.98	0.0153 ± 0.0001
16D05465	8.5 %	0.2286158	0.456	795.8253	0.252	0.3671603	8.341	29.12127	0.123	509.1803	0.008	17.63738 ± 0.05169	55.43 ± 0.16	99.01	10.48	0.0154 ± 0.0001
16D05466	9.7 %	0.1678526	0.524	620.6502	0.252	0.3026276	10.278	22.98920	0.145	398.9099	0.010	17.63691 ± 0.05898	55.43 ± 0.18	99.79	8.28	0.0156 ± 0.0001
16D05468	11.0 %	0.1222694	0.553	443.2124	0.253	0.2139221	14.787	16.50088	0.190	288.0503	0.013	17.69811 ± 0.07447	55.62 ± 0.23	99.54	5.94	0.0157 ± 0.0001
16D05469	12.4 %	0.0823570	0.689	294.3303	0.254	0.0856012	36.363	10.85631	0.281	189.6353	0.018	17.67957 ± 0.10718	55.56 ± 0.33	99.36	3.91	0.0156 ± 0.0001
16D05470	14.0 %	0.0713993	0.783	253.5480	0.254	0.1551402	19.783	9.55086	0.318	168.3040	0.021	17.81772 ± 0.12193	55.99 ± 0.38	99.30	3.44	0.0159 ± 0.0001
16D05472	15.8 %	0.0660774	0.821	234.6673	0.254	0.1216629	25.276	8.91142	0.327	156.3068	0.023	17.73289 ± 0.12498	55.73 ± 0.39	99.30	3.21	0.0160 ± 0.0001
16D05473	18.0 %	0.0494980	0.877	178.8770	0.256	0.0798583	38.918	6.83791	0.431	119.3076	0.029	17.67609 ± 0.16083	55.55 ± 0.50	99.52	2.46	0.0161 ± 0.0002
16D05475	20.5 %	0.0367428	1.163	129.1228	0.259	0.0526184	57.740	4.71562	0.622	81.8372	0.039	17.52725 ± 0.22956	55.09 ± 0.71	99.13	1.70	0.0154 ± 0.0002
16D05476	22.5 %	0.0300208	1.363	105.2082	0.262	0.0551758	54.423	3.79045	0.789	66.5321	0.047	17.72500 ± 0.29334	55.70 ± 0.91	99.09	1.36	0.0152 ± 0.0003
16D05478	24.5 %	0.0235936	1.648	84.0545	0.269	0.0215745	143.978	2.96297	0.998	52.6994	0.060	18.00672 ± 0.37597	56.57 ± 1.16	99.30	1.07	0.0149 ± 0.0003
	Σ	2.1792795	0.142	7828.1431	0.065	3.6295744	3.843	278.02975	0.051	4843.8963	0.003					

Information on Analysis and Constants Used in Calculations	
Project = <b>MV1203 (13-INT-04)</b>	Age Equations = <b>Min et al. (2000)</b>
Sample = <b>MV1203-D04-06</b>	Negative Intensities = <b>Allowed</b>
Material = <b>Plagioclase</b>	Collector Calibrations = <b>36Ar</b>
Location = <b>Queequeg Guyot</b>	Decay 40K = <b>5.530 ± 0.048 E-10 1/a</b>
Region = <b>Walvis Ridge</b>	Decay 39Ar = <b>2.940 ± 0.016 E-07 1/h</b>
Analyst = <b>Susan Schnur</b>	Decay 37Ar = <b>8.230 ± 0.012 E-04 1/h</b>
Irradiation = <b>15-OSU-07 (7A4-15)</b>	Decay 36Cl = <b>2.257 ± 0.015 E-06 1/a</b>
Position = <b>X: 0   Y: 0   Z/H: 8.37 mm</b>	Decay 40K(EC,β <sup>+</sup> ) = <b>0.580 ± 0.009 E-10 1/a</b>
FCT-NM Age = <b>28.201 ± 0.023 Ma</b>	Decay 40K(β <sup>-</sup> ) = <b>4.950 ± 0.043 E-10 1/a</b>
FCT-NM Reference = <b>Kuiper et al (2008)</b>	Atmospheric 40/36(a) = <b>295.50</b>
FCT-NM 40Ar/39Ar Ratio = <b>8.90545 ± 0.01425</b>	Atmospheric 38/36(a) = <b>0.1869</b>
FCT-NM J-value = <b>0.00176492 ± 0.00000282</b>	Production 39/37(ca) = <b>0.0006756 ± 0.0000089</b>
Air Shot 40Ar/36Ar = <b>304.3990 ± 0.4109</b>	Production 38/37(ca) = <b>0.0000718 ± 0.0000092</b>
Air Shot MDF = <b>0.99268189 ± 0.00066280 (LIN)</b>	Production 36/37(ca) = <b>0.0002663 ± 0.0000004</b>
Experiment Type = <b>Incremental Heating</b>	Production 40/39(k) = <b>0.003823 ± 0.000102</b>
Extraction Method = <b>Bulk Laser Heating</b>	Production 38/39(k) = <b>0.012031 ± 0.000019</b>
Heating = <b>77 sec</b>	Production 36/38(cl) = <b>262.80 ± 1.71</b>
Isolation = <b>3.00 min</b>	Scaling Ratio K/Ca = <b>0.430</b>
Instrument = <b>ARGUS-VI-D</b>	Abundance Ratio 40K/K = <b>1.1700 ± 0.0100 E-04</b>
Preferred Age = <b>Plateau Age</b>	Atomic Weight K = <b>39.0983 ± 0.0001 g</b>
Age Classification = <b>Crystallization Age</b>	
IGSN = <b>IESS10058</b>	
Rock Class = <b>Igneous&gt;Volcanic&gt;Mafic</b>	
Lithology = <b>Trachybasalt</b>	
Lat-Lon = <b>33°29.1'S - 0°32.1'W</b>	

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
<b>Age Plateau</b>		17.64964 ± 0.02382 ± 0.13%	<b>55.47 ± 0.19 ± 0.34%</b> Full External Error ± 1.26 Analytical Error ± 0.07	1.58 6% 1.2589	96.66 18	0.0150 ± 0.0003
<b>Total Fusion Age</b>		17.65370 ± 0.02016 ± 0.11%	<b>55.48 ± 0.19 ± 0.33%</b> Full External Error ± 1.26 Analytical Error ± 0.06		21	0.0150 ± 0.0000
<b>Normal Isochron</b>	<b>346.86 ± 102.78 ± 29.63%</b>	17.63255 ± 0.04076 ± 0.23%	<b>55.42 ± 0.22 ± 0.39%</b> Full External Error ± 1.26 Analytical Error ± 0.13	1.21 25% 1.0998	96.66 18	0.0150 ± 0.0000
<b>Inverse Isochron</b>	<b>399.51 ± 103.43 ± 25.89%</b>	17.61632 ± 0.04397 ± 0.25%	<b>55.37 ± 0.22 ± 0.40%</b> Full External Error ± 1.26 Analytical Error ± 0.14	1.38 14% 1.1744	96.66 18	0.0150 ± 0.0000
<b>Clustered Points</b>				0.0000000115	1	Convergence
<b>Notes</b>					5	Number of Iterations
Good plateau				0.0000514809	2%	Convergence 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
16D05450	1.8 %	0.0036227	57.4510	0.0243420	1.84941	33.0172	56.10 ± 1.39	96.84	0.68	0.0138 ± 0.0003
16D05452	2.0 %	0.0038511	131.4815	0.0252767	4.36671	75.8852	54.63 ± 0.75	98.50	1.60	0.0143 ± 0.0002
16D05453	2.4 %	✓ 0.0031436	234.8837	0.0000000	7.72051	135.8734	55.31 ± 0.45	99.30	2.83	0.0141 ± 0.0001
16D05454	2.8 %	✓ 0.0024015	296.4866	0.0020329	9.64238	170.7525	55.65 ± 0.37	99.56	3.54	0.0140 ± 0.0001
16D05456	3.2 %	✓ 0.0000791	326.4224	0.0000000	10.68988	188.4956	55.42 ± 0.33	99.97	3.92	0.0141 ± 0.0001
16D05457	3.6 %	✓ 0.0019369	535.9737	0.0000000	17.73820	311.3094	55.16 ± 0.22	99.79	6.50	0.0142 ± 0.0001
16D05458	4.0 %	✓ 0.0008682	427.8833	0.0000000	14.13644	249.8170	55.54 ± 0.26	99.88	5.18	0.0142 ± 0.0001
16D05460	4.5 %	✓ 0.0015213	561.0489	0.0000000	18.82705	331.5460	55.35 ± 0.21	99.84	6.90	0.0144 ± 0.0001
16D05461	5.2 %	✓ 0.0091113	614.5166	0.0000000	20.90147	368.4637	55.40 ± 0.20	99.25	7.66	0.0146 ± 0.0001
16D05462	6.1 %	✓ 0.0173493	735.4685	0.0000000	25.53302	451.6576	55.59 ± 0.17	98.86	9.36	0.0149 ± 0.0001
16D05464	7.3 %	✓ 0.0083768	767.0311	0.0000000	27.22015	480.2660	55.45 ± 0.17	99.47	9.98	0.0153 ± 0.0001
16D05465	8.5 %	✓ 0.0166875	795.8253	0.0000000	28.58361	504.1399	55.43 ± 0.16	99.01	10.48	0.0154 ± 0.0001
16D05466	9.7 %	✓ 0.0025734	620.6502	0.0000000	22.56989	398.0632	55.43 ± 0.18	99.79	8.28	0.0156 ± 0.0001
16D05468	11.0 %	✓ 0.0042419	443.2124	0.0000000	16.20144	286.7349	55.62 ± 0.23	99.54	5.94	0.0157 ± 0.0001
16D05469	12.4 %	✓ 0.0039768	294.3303	0.0000000	10.65746	188.4194	55.56 ± 0.33	99.36	3.91	0.0156 ± 0.0001
16D05470	14.0 %	✓ 0.0038774	253.5480	0.0233653	9.37956	167.1223	55.99 ± 0.38	99.30	3.44	0.0159 ± 0.0001
16D05472	15.8 %	✓ 0.0035855	234.6673	0.0000000	8.75288	155.2138	55.73 ± 0.39	99.30	3.21	0.0160 ± 0.0001
16D05473	18.0 %	✓ 0.0018631	178.8770	0.0000000	6.71706	118.7314	55.55 ± 0.50	99.52	2.46	0.0161 ± 0.0002
16D05475	20.5 %	✓ 0.0023574	129.1228	0.0000000	4.62839	81.1229	55.09 ± 0.71	99.13	1.70	0.0154 ± 0.0002
16D05476	22.5 %	✓ 0.0020036	105.2082	0.0024997	3.71937	65.9258	55.70 ± 0.91	99.09	1.36	0.0152 ± 0.0003
16D05478	24.5 %	0.0012099	84.0545	0.0000000	2.90618	52.3308	56.57 ± 1.16	99.30	1.07	0.0149 ± 0.0003
Σ		0.0946384	7828.1431	0.0775166	272.74106	4814.8879				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Project = <b>MV1203 (13-INT-04)</b> Sample = <b>MV1203-D04-06</b> Material = <b>Plagioclase</b> Location = <b>Queequeg Guyot</b> Region = <b>Walvis Ridge</b> Analyst = <b>Susan Schnur</b> Irradiation = <b>15-OSU-07 (7A4-15)</b> J = <b>0.00176492 ± 0.00000282</b> FCT-NM = <b>28.201 ± 0.023 Ma</b>	<b>Age Plateau</b>	17.64964 ± 0.02382 ± 0.13%	<b>55.47 ± 0.19 ± 0.34%</b> Full External Error ± 1.26 Analytical Error ± 0.07	1.58 6% 1.2589	96.66 18	0.0150 ± 0.0003
	<b>Total Fusion Age</b>	17.65370 ± 0.02016 ± 0.11%	<b>55.48 ± 0.19 ± 0.33%</b> Full External Error ± 1.26 Analytical Error ± 0.06		21	0.0150 ± 0.0000

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D05450	1.8 %	510.51 ± 95.69	9409.57 ± 1748.89	0.9915
16D05452	2.0 %	1133.88 ± 275.18	20000.27 ± 4846.41	0.9984
16D05453	2.4 % ✓	2455.99 ± 858.83	43518.40 ± 15213.97	0.9997
16D05454	2.8 % ✓	4015.16 ± 2076.08	71398.12 ± 36914.34	0.9999
16D05456	3.2 % ✓	135206.69 ± 2231022.94	2384407.98 ± 39344713.60	1.0000
16D05457	3.6 % ✓	9157.93 ± 8161.74	161019.15 ± 143502.40	1.0000
16D05458	4.0 % ✓	16283.00 ± 26376.39	288046.26 ± 466596.59	1.0000
16D05460	4.5 % ✓	12375.67 ± 15657.46	218232.07 ± 276102.09	1.0000
16D05461	5.2 % ✓	2294.00 ± 508.98	40735.60 ± 9037.19	0.9999
16D05462	6.1 % ✓	1471.70 ± 192.39	26328.66 ± 3441.11	0.9998
16D05464	7.3 % ✓	3249.45 ± 900.80	57628.09 ± 15974.61	1.0000
16D05465	8.5 % ✓	1712.88 ± 249.15	30506.18 ± 4436.62	0.9998
16D05466	9.7 % ✓	8770.42 ± 6847.78	154978.73 ± 121003.54	1.0000
16D05468	11.0 % ✓	3819.37 ± 1367.96	67891.07 ± 24314.63	0.9999
16D05469	12.4 % ✓	2679.88 ± 826.03	47674.66 ± 14692.33	0.9998
16D05470	14.0 % ✓	2419.00 ± 740.43	43396.64 ± 13280.25	0.9998
16D05472	15.8 % ✓	2441.17 ± 780.58	43584.57 ± 13933.31	0.9998
16D05473	18.0 % ✓	3605.34 ± 1766.70	64023.77 ± 31368.17	0.9998
16D05475	20.5 % ✓	1963.33 ± 732.51	34707.32 ± 12941.68	0.9994
16D05476	22.5 % ✓	1856.35 ± 775.06	33199.31 ± 13851.04	0.9993
16D05478	24.5 %	2402.04 ± 1568.58	43548.37 ± 28424.09	0.9995

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	346.86 ± 102.78 ± 29.63%	17.63255 ± 0.04076 ± 0.23%	55.42 ± 0.22 ± 0.39%	1.21 25%
			Full External Error ± 1.26 Analytical Error ± 0.13	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.71 1.0998 18	Convergence Number of Iterations Calculated Line	0.000000011508 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D05450	1.8 %	0.0542545 ± 0.0013243	0.00010627 ± 0.00001975	0.0006
16D05452	2.0 %	0.0566934 ± 0.0007668	0.00005000 ± 0.00001212	0.0002
16D05453	2.4 % ✓	0.0564356 ± 0.0004442	0.00002298 ± 0.00000803	0.0001
16D05454	2.8 % ✓	0.0562362 ± 0.0003567	0.00001401 ± 0.00000724	0.0001
16D05456	3.2 % ✓	0.0567045 ± 0.0003274	0.00000042 ± 0.00000692	0.0000
16D05457	3.6 % ✓	0.0568748 ± 0.0002081	0.00000621 ± 0.00000553	0.0000
16D05458	4.0 % ✓	0.0565291 ± 0.0002499	0.00000347 ± 0.00000562	0.0000
16D05460	4.5 % ✓	0.0567087 ± 0.0001993	0.00000458 ± 0.00000580	0.0000
16D05461	5.2 % ✓	0.0563145 ± 0.0001836	0.00002455 ± 0.00000545	0.0001
16D05462	6.1 % ✓	0.0558973 ± 0.0001558	0.00003798 ± 0.00000496	0.0001
16D05464	7.3 % ✓	0.0563866 ± 0.0001539	0.00001735 ± 0.00000481	0.0000
16D05465	8.5 % ✓	0.0561486 ± 0.0001439	0.00003278 ± 0.00000477	0.0001
16D05466	9.7 % ✓	0.0565911 ± 0.0001694	0.00000645 ± 0.00000504	0.0000
16D05468	11.0 % ✓	0.0562573 ± 0.0002197	0.00001473 ± 0.00000528	0.0000
16D05469	12.4 % ✓	0.0562119 ± 0.0003232	0.00002098 ± 0.00000646	0.0001
16D05470	14.0 % ✓	0.0557417 ± 0.0003631	0.00002304 ± 0.00000705	0.0001
16D05472	15.8 % ✓	0.0560101 ± 0.0003754	0.00002294 ± 0.00000733	0.0001
16D05473	18.0 % ✓	0.0563125 ± 0.0004961	0.00001562 ± 0.00000765	0.0001
16D05475	20.5 % ✓	0.0565683 ± 0.0007184	0.00002881 ± 0.00001074	0.0001
16D05476	22.5 % ✓	0.0559153 ± 0.0009013	0.00003012 ± 0.00001257	0.0001
16D05478	24.5 %	0.0551580 ± 0.0011251	0.00002296 ± 0.00001499	0.0001

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	399.51 ± 103.43	17.61632 ± 0.04397	55.37 ± 0.22	1.38
Clustered Points	± 25.89%	± 0.25%	± 0.40%	14%
			Full External Error ± 1.26	
			Analytical Error ± 0.14	
Statistics	2σ Confidence Limit	1.71	Convergence	0.0000514809
	Error Magnification	1.1744	Number of Iterations	5
	Number of Data Points	18	Calculated Line	Weighted York-2
	Spreading Factor	2.0%		

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	
16D05450	1.8 %	0.0036227	9.29	0.0000000	0.00	0.0152992	0.32	0.0000021	100.50	57.4510	0.29	0.0006771	9.29	0.0000000	0.00	0.0222503	1.23	0.0041250	12.82	0.0243420	100.51	1.84941	1.22	0.0388139	1.35	33.0172	0.31	1.070497	9.29	0.0000000	0.00	0.0070703	2.93	
16D05452	2.0 %	0.0038511	12.12	0.0000000	0.00	0.0350135	0.30	0.0000022	120.26	131.4815	0.26	0.0007198	12.12	0.0000000	0.00	0.0525358	0.69	0.0094404	12.82	0.0252767	120.26	4.36671	0.68	0.0888289	1.34	75.8852	0.19	1.138003	12.12	0.0000000	0.00	0.0166939	2.74	
16D05453	2.4 %	✓ 0.0031436	17.48	0.0000000	0.00	0.0625495	0.30	0.0000000	0.00	234.8837	0.25	0.0005875	17.48	0.0000000	0.00	0.0928855	0.42	0.0168647	12.82	0.0000000	0.00	7.72051	0.39	0.1586875	1.34	135.8734	0.12	0.928919	17.48	0.0000000	0.00	0.0295155	2.69	
16D05454	2.8 %	✓ 0.0024015	25.85	0.0000000	0.00	0.0789544	0.29	0.0000002	#####	296.4866	0.25	0.0004488	25.85	0.0000000	0.00	0.1160075	0.35	0.0212877	12.82	0.0020329	#####	9.64238	0.32	0.2003063	1.34	170.7525	0.11	0.709642	25.85	0.0000000	0.00	0.0368628	2.68	
16D05456	3.2 %	✓ 0.0000791	825.04	0.0000000	0.00	0.0869263	0.29	0.0000000	0.00	326.4224	0.25	0.0000148	825.04	0.0000000	0.00	0.1286099	0.33	0.0234371	12.82	0.0000000	0.00	10.68988	0.29	0.2205310	1.34	188.4956	0.10	0.023363	825.04	0.0000000	0.00	0.0408674	2.68	
16D05457	3.6 %	✓ 0.0019369	44.56	0.0000000	0.00	0.1427298	0.29	0.0000000	0.00	535.9737	0.25	0.0003620	44.56	0.0000000	0.00	0.2134083	0.24	0.0384829	12.82	0.0000000	0.00	17.73820	0.18	0.3621038	1.34	311.3094	0.08	0.572361	44.56	0.0000000	0.00	0.0678131	2.67	
16D05458	4.0 %	✓ 0.0008682	80.99	0.0000000	0.00	0.1139453	0.29	0.0000000	0.00	427.8833	0.25	0.0001623	80.99	0.0000000	0.00	0.1700755	0.27	0.0307220	12.82	0.0000000	0.00	14.13644	0.22	0.2890780	1.34	249.8170	0.08	0.256545	80.99	0.0000000	0.00	0.0540436	2.67	
16D05460	4.5 %	✓ 0.0015213	63.26	0.0000000	0.00	0.1494073	0.29	0.0000000	0.00	561.0489	0.25	0.0002843	63.26	0.0000000	0.00	0.2265082	0.24	0.0402833	12.82	0.0000000	0.00	18.82705	0.18	0.3790446	1.34	331.5460	0.09	0.449543	63.26	0.0000000	0.00	0.0719758	2.67	
16D05461	5.2 %	✓ 0.0091113	11.09	0.0000000	0.00	0.1636458	0.29	0.0000000	0.00	614.5166	0.25	0.0017029	11.09	0.0000000	0.00	0.2514656	0.23	0.0441223	12.82	0.0000000	0.00	20.90147	0.16	0.4151674	1.34	368.4637	0.08	2.692403	11.09	0.0000000	0.00	0.0799063	2.66	
16D05462	6.1 %	✓ 0.0173493	6.53	0.0000000	0.00	0.1958552	0.29	0.0000000	0.00	735.4685	0.25	0.0032426	6.53	0.0000000	0.00	0.3071878	0.21	0.0528066	12.82	0.0000000	0.00	25.53302	0.14	0.4968825	1.34	451.6576	0.07	5.126724	6.53	0.0000000	0.00	0.0976128	2.66	
16D05464	7.3 %	✓ 0.0083768	13.86	0.0000000	0.00	0.2042604	0.29	0.0000000	0.00	767.0311	0.25	0.0015656	13.86	0.0000000	0.00	0.3274857	0.21	0.0550728	12.82	0.0000000	0.00	27.22015	0.14	0.5182062	1.34	480.2660	0.07	2.475357	13.86	0.0000000	0.00	0.1040627	2.66	
16D05465	8.5 %	✓ 0.0166875	7.27	0.0000000	0.00	0.2119283	0.29	0.0000000	0.00	795.8253	0.25	0.0031189	7.27	0.0000000	0.00	0.3438894	0.20	0.0571403	12.82	0.0000000	0.00	28.58361	0.13	0.5376596	1.34	504.1399	0.07	4.931149	7.27	0.0000000	0.00	0.1092751	2.66	
16D05466	9.7 %	✓ 0.0025734	39.04	0.0000000	0.00	0.1652792	0.29	0.0000000	0.00	620.6502	0.25	0.0004810	39.04	0.0000000	0.00	0.2715383	0.22	0.0445627	12.82	0.0000000	0.00	22.56989	0.15	0.4193113	1.34	398.0632	0.08	0.760442	39.04	0.0000000	0.00	0.0862847	2.66	
16D05468	11.0 %	✓ 0.0042419	17.91	0.0000000	0.00	0.1180274	0.29	0.0000000	0.00	443.2124	0.25	0.0007928	17.91	0.0000000	0.00	0.1949195	0.25	0.0318226	12.82	0.0000000	0.00	16.20144	0.19	0.2994343	1.34	286.7349	0.08	1.253487	17.91	0.0000000	0.00	0.0619381	2.67	
16D05469	12.4 %	✓ 0.0039768	15.41	0.0000000	0.00	0.0783802	0.29	0.0000000	0.00	294.3303	0.25	0.0007433	15.41	0.0000000	0.00	0.1282200	0.33	0.0211329	12.82	0.0000000	0.00	10.65746	0.29	0.1988495	1.34	188.4194	0.10	1.175157	15.41	0.0000000	0.00	0.0407435	2.68	
16D05470	14.0 %	✓ 0.0038774	15.30	0.0000000	0.00	0.0675198	0.30	0.0000020	131.75	253.5480	0.25	0.0007247	15.30	0.0000000	0.00	0.1128455	0.36	0.0182047	12.82	0.0233653	131.75	9.37956	0.33	0.1712970	1.34	167.1223	0.11	1.145785	15.30	0.0000000	0.00	0.0358581	2.68	
16D05472	15.8 %	✓ 0.0035855	15.98	0.0000000	0.00	0.0624919	0.30	0.0000000	0.00	234.6673	0.25	0.0006701	15.98	0.0000000	0.00	0.1053059	0.37	0.0168491	12.82	0.0000000	0.00	8.75288	0.33	0.1585412	1.34	155.2138	0.11	1.059521	15.98	0.0000000	0.00	0.0334622	2.68	
16D05473	18.0 %	✓ 0.0018631	24.50	0.0000000	0.00	0.0476349	0.30	0.0000000	0.00	178.8770	0.26	0.0003482	24.50	0.0000000	0.00	0.0808130	0.47	0.0128434	12.82	0.0000000	0.00	6.71706	0.44	0.1208493	1.34	118.7314	0.12	0.550542	24.50	0.0000000	0.00	0.0256793	2.70	
16D05475	20.5 %	✓ 0.0023574	18.64	0.0000000	0.00	0.0343854	0.30	0.0000000	0.00	129.1228	0.26	0.0004406	18.64	0.0000000	0.00	0.0556841	0.65	0.0092710	12.82	0.0000000	0.00	4.62839	0.63	0.0872354	1.35	81.1229	0.16	0.696615	18.64	0.0000000	0.00	0.0176943	2.73	
16D05476	22.5 %	✓ 0.0020036	20.86	0.0000000	0.00	0.0280169	0.30	0.0000002	#####	105.2082	0.26	0.0003745	20.86	0.0000000	0.00	0.0447477	0.82	0.0075539	12.82	0.0024997	#####	3.71937	0.80	0.0710787	1.35	65.9258	0.19	0.592061	20.86	0.0000000	0.00	0.0142191	2.78	
16D05478	24.5 %	0.0012099	32.64	0.0000000	0.00	0.0223837	0.31	0.0000000	0.00	84.0545	0.27	0.0002261	32.64	0.0000000	0.00	0.0349643	1.03	0.0060351	12.82	0.0000000	0.00	2.90618	1.02	0.0567872	1.35	52.3308	0.23	0.357520	32.64	0.0000000	0.00	0.0111103	2.85	
		Σ	0.0946384	3.68	0.0000000	0.00	2.0846345	0.08	0.0000066	85.17	7828.1431	0.06	0.0176879	3.68	0.0000000	0.00	3.2813477	0.07	0.5620607	3.30	0.0775166	85.14	272.74106	0.05	5.2886935	0.35	4814.8879	0.02	27.965635	3.68	0.0000000	0.00	1.0426891	0.69
		Σ									2.1792795	0.18	7828.1431	0.06							3.9386129	1.74			278.02975	0.05					4843.8963	0.03		

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D05450	1.8 %	18.056519	0.215797	30.425903	0.373122	0.010022	0.000213	52.616	2.834140	1.00037221	1.637E-12
16D05452	2.0 %	17.290836	0.114520	29.509699	0.209393	0.008723	0.000117	52.630	2.834918	1.00037231	3.698E-12
16D05453	2.4 % ✓	17.366200	0.066808	29.810599	0.137288	0.008338	0.000073	52.637	2.835307	1.00037236	6.568E-12
16D05454	2.8 % ✓	17.424007	0.053924	30.122532	0.120314	0.008266	0.000064	52.644	2.835696	1.00037241	8.232E-12
16D05456	3.2 % ✓	17.282566	0.048658	29.918437	0.113166	0.007975	0.000059	52.656	2.836357	1.00037249	9.051E-12
16D05457	3.6 % ✓	17.234488	0.030546	29.611306	0.091265	0.007993	0.000044	52.661	2.836668	1.00037253	1.497E-11
16D05458	4.0 % ✓	17.339252	0.037270	29.661568	0.098288	0.007959	0.000046	52.667	2.837019	1.00037257	1.201E-11
16D05460	4.5 % ✓	17.289696	0.029432	29.212022	0.088864	0.007858	0.000047	52.679	2.837680	1.00037266	1.594E-11
16D05461	5.2 % ✓	17.415317	0.027469	28.828023	0.085742	0.008104	0.000044	52.685	2.837992	1.00037269	1.782E-11
16D05462	6.1 % ✓	17.552194	0.023563	28.254747	0.080694	0.008191	0.000039	52.691	2.838342	1.00037274	2.193E-11
16D05464	7.3 % ✓	17.407135	0.022893	27.652357	0.078643	0.007666	0.000037	52.702	2.838965	1.00037282	2.318E-11
16D05465	8.5 % ✓	17.484826	0.021554	27.327977	0.076684	0.007850	0.000037	52.708	2.839315	1.00037286	2.444E-11
16D05466	9.7 % ✓	17.352058	0.025138	26.997471	0.078536	0.007301	0.000040	52.714	2.839627	1.00037290	1.915E-11
16D05468	11.0 % ✓	17.456667	0.033201	26.859930	0.084906	0.007410	0.000043	52.726	2.840289	1.00037298	1.383E-11
16D05469	12.4 % ✓	17.467741	0.049109	27.111437	0.102541	0.007586	0.000056	52.732	2.840640	1.00037303	9.102E-12
16D05470	14.0 % ✓	17.621875	0.056206	26.547147	0.108130	0.007476	0.000063	52.737	2.840952	1.00037307	8.079E-12
16D05472	15.8 % ✓	17.540055	0.057580	26.333326	0.109201	0.007415	0.000066	52.749	2.841614	1.00037315	7.503E-12
16D05473	18.0 % ✓	17.447957	0.075394	26.159590	0.131209	0.007239	0.000071	52.756	2.841965	1.00037319	5.727E-12
16D05475	20.5 % ✓	17.354487	0.108081	27.381937	0.184363	0.007792	0.000103	52.767	2.842628	1.00037328	3.928E-12
16D05476	22.5 % ✓	17.552573	0.138752	27.756158	0.230797	0.007920	0.000125	52.773	2.842940	1.00037332	3.194E-12
16D05478	24.5 %	17.786021	0.177871	28.368350	0.293256	0.007963	0.000153	52.785	2.843603	1.00037340	2.530E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D05450	1.8 %	0.0036415 ± 0.0001469	0.0020527 ± 0.0174318	0.0537333 ± 0.0162534	0.0406797 ± 0.0154482	1.0424449 ± 0.0169763
16D05452	2.0 %	0.0041129 ± 0.0002190	0.0082757 ± 0.0175990	0.0325657 ± 0.0254333	0.0028370 ± 0.0247940	1.0695449 ± 0.0234673
16D05453	2.4 %	0.0040392 ± 0.0002190	0.0047941 ± 0.0175990	0.0333751 ± 0.0254333	0.0085170 ± 0.0247940	1.0717356 ± 0.0234673
16D05454	2.8 %	0.0039728 ± 0.0002190	0.0016252 ± 0.0175990	0.0341334 ± 0.0254333	0.0136231 ± 0.0247940	1.0736762 ± 0.0234673
16D05456	3.2 %	0.0038765 ± 0.0002190	0.0030442 ± 0.0175990	0.0353055 ± 0.0254333	0.0209867 ± 0.0247940	1.0764009 ± 0.0234673
16D05457	3.6 %	0.0038384 ± 0.0002190	0.0049289 ± 0.0175990	0.0358061 ± 0.0254333	0.0238782 ± 0.0247940	1.0774330 ± 0.0234673
16D05458	4.0 %	0.0038011 ± 0.0002190	0.0068099 ± 0.0175990	0.0363301 ± 0.0254333	0.0266922 ± 0.0247940	1.0784027 ± 0.0234673
16D05460	4.5 %	0.0037464 ± 0.0002190	0.0096718 ± 0.0175990	0.0372073 ± 0.0254333	0.0307394 ± 0.0247940	1.0796815 ± 0.0234673
16D05461	5.2 %	0.0037280 ± 0.0002190	0.0107059 ± 0.0175990	0.0375690 ± 0.0254333	0.0320702 ± 0.0247940	1.0800332 ± 0.0234673
16D05462	6.1 %	0.0037127 ± 0.0002190	0.0116300 ± 0.0175990	0.0379369 ± 0.0254333	0.0331284 ± 0.0247940	1.0802374 ± 0.0234673
16D05464	7.3 %	0.0037000 ± 0.0002190	0.0126474 ± 0.0175990	0.0384889 ± 0.0254333	0.0338621 ± 0.0247940	1.0801000 ± 0.0234673
16D05465	8.5 %	0.0037009 ± 0.0002190	0.0128678 ± 0.0175990	0.0387420 ± 0.0254333	0.0336293 ± 0.0247940	1.0797414 ± 0.0234673
16D05466	9.7 %	0.0037067 ± 0.0002190	0.0128512 ± 0.0175990	0.0389323 ± 0.0254333	0.0330322 ± 0.0247940	1.0792524 ± 0.0234673
16D05468	11.0 %	0.0037343 ± 0.0002190	0.0121513 ± 0.0175990	0.0392281 ± 0.0254333	0.0305441 ± 0.0247940	1.0776818 ± 0.0234673
16D05469	12.4 %	0.0037574 ± 0.0002190	0.0114148 ± 0.0175990	0.0393250 ± 0.0254333	0.0285556 ± 0.0247940	1.0765576 ± 0.0234673
16D05470	14.0 %	0.0037828 ± 0.0002190	0.0105476 ± 0.0175990	0.0393765 ± 0.0254333	0.0263978 ± 0.0247940	1.0753882 ± 0.0234673
16D05472	15.8 %	0.0038521 ± 0.0002190	0.0080402 ± 0.0175990	0.0393774 ± 0.0254333	0.0205933 ± 0.0247940	1.0723716 ± 0.0234673
16D05473	18.0 %	0.0038972 ± 0.0002190	0.0063468 ± 0.0175990	0.0393181 ± 0.0254333	0.0168490 ± 0.0247940	1.0704819 ± 0.0234673
16D05475	20.5 %	0.0039984 ± 0.0002190	0.0024572 ± 0.0175990	0.0390934 ± 0.0254333	0.0085084 ± 0.0247940	1.0663595 ± 0.0234673
16D05476	22.5 %	0.0040532 ± 0.0002190	0.0003141 ± 0.0175990	0.0389367 ± 0.0254333	0.0040096 ± 0.0247940	1.0641695 ± 0.0234673
16D05478	24.5 %	0.0041851 ± 0.0002190	0.0049046 ± 0.0175990	0.0384951 ± 0.0254333	0.0067695 ± 0.0247940	1.0589839 ± 0.0234673

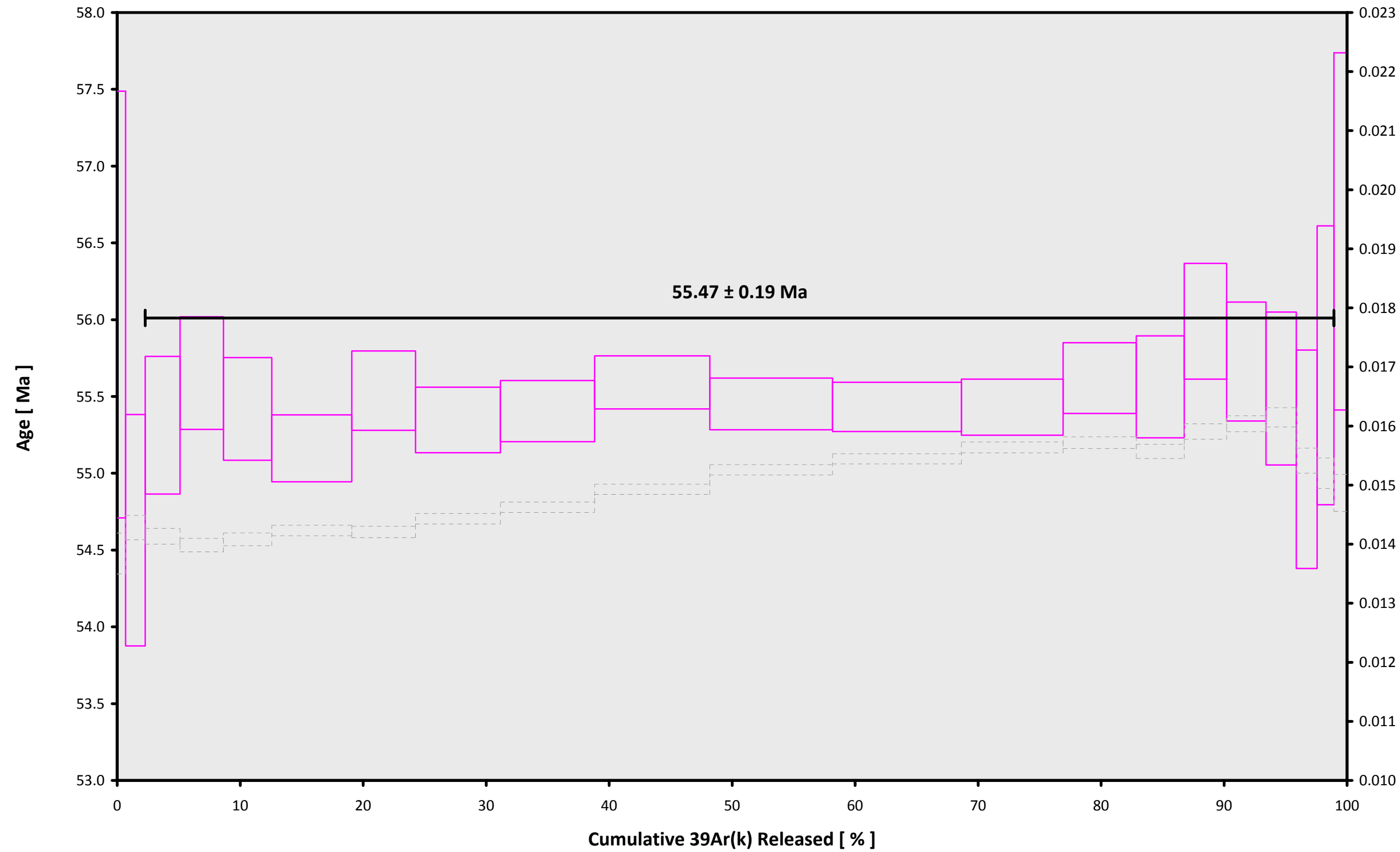
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D05450	1.8 %	0.0215948 ± 0.0002754	0.6942	EXP 150 of 150	19.828702 ± 0.020650	0.9755	EXP 150 of 150	0.1043755 ± 0.0177916	0.0306	EXP 150 of 150	1.9144159 ± 0.0160937	0.1261	EXP 149 of 150	35.137218 ± 0.021352	0.9972	EXP 150 of 150
16D05452	2.0 %	0.0409859 ± 0.0003578	0.3803	EXP 150 of 150	45.370827 ± 0.018312	0.9955	EXP 150 of 150	0.1192510 ± 0.0157698	0.0118	EXP 150 of 150	4.4241819 ± 0.0151900	0.7111	EXP 150 of 150	78.109457 ± 0.021604	0.9833	EXP 150 of 150
16D05453	2.4 %	0.0663625 ± 0.0004052	0.2896	EXP 150 of 150	81.031151 ± 0.022561	0.9978	EXP 150 of 150	0.1379094 ± 0.0166137	0.0013	EXP 150 of 150	7.8272584 ± 0.0161050	0.8815	EXP 150 of 150	137.903537 ± 0.022635	0.9502	EXP 150 of 150
16D05454	2.8 %	0.0811556 ± 0.0004538	0.2313	EXP 150 of 150	102.264698 ± 0.023403	0.9985	EXP 150 of 150	0.1718649 ± 0.0172979	0.0065	EXP 150 of 150	9.7807801 ± 0.0158721	0.9290	EXP 150 of 150	172.572695 ± 0.029880	0.9849	EXP 150 of 150
16D05456	3.2 %	0.0864188 ± 0.0004748	0.1810	EXP 150 of 150	112.559123 ± 0.024675	0.9987	EXP 150 of 150	0.1796368 ± 0.0170633	0.0001	EXP 150 of 150	10.8476737 ± 0.0160689	0.9431	EXP 150 of 150	189.636273 ± 0.026596	0.9935	EXP 150 of 150
16D05457	3.6 %	0.1410842 ± 0.0005695	0.0025	EXP 150 of 150	184.797782 ± 0.026865	0.9994	EXP 150 of 150	0.2636895 ± 0.0162767	0.0008	EXP 150 of 150	17.9852895 ± 0.0158191	0.9809	EXP 150 of 150	313.026958 ± 0.031824	0.9986	EXP 150 of 150
16D05458	4.0 %	0.1127250 ± 0.0004560	0.0662	EXP 150 of 150	147.508336 ± 0.023347	0.9993	EXP 150 of 150	0.2271978 ± 0.0160367	0.0127	EXP 150 of 150	14.3415086 ± 0.0153679	0.9718	EXP 150 of 150	251.206022 ± 0.030304	0.9971	EXP 150 of 150
16D05460	4.5 %	0.1469330 ± 0.0006781	0.0307	EXP 150 of 150	193.369926 ± 0.025423	0.9995	EXP 150 of 150	0.2720384 ± 0.0154931	0.0032	EXP 150 of 150	19.0894509 ± 0.0164672	0.9825	EXP 150 of 150	333.147222 ± 0.032905	0.9988	EXP 150 of 150
16D05461	5.2 %	0.1676232 ± 0.0006810	0.0222	EXP 150 of 150	211.774632 ± 0.027959	0.9995	EXP 150 of 150	0.2865172 ± 0.0160087	0.0016	EXP 150 of 150	21.1851292 ± 0.0171594	0.9843	EXP 149 of 150	372.316065 ± 0.032989	0.9991	EXP 150 of 150
16D05462	6.1 %	0.2059806 ± 0.0007122	0.0525	EXP 149 of 150	253.426957 ± 0.027704	0.9997	EXP 150 of 150	0.3946710 ± 0.0145701	0.0485	EXP 149 of 150	25.8632857 ± 0.0168948	0.9897	EXP 150 of 150	457.962219 ± 0.035987	0.9994	EXP 150 of 150
16D05464	7.3 %	0.2054297 ± 0.0007342	0.1000	EXP 150 of 150	264.244246 ± 0.032532	0.9996	EXP 150 of 150	0.3977158 ± 0.0158513	0.0329	EXP 150 of 150	27.5593605 ± 0.0187867	0.9889	EXP 150 of 150	483.925498 ± 0.037486	0.9995	EXP 150 of 150
16D05465	8.5 %	0.2205895 ± 0.0007611	0.1071	EXP 150 of 150	274.130366 ± 0.025801	0.9998	EXP 150 of 150	0.4005294 ± 0.0162361	0.0157	EXP 150 of 150	28.9314216 ± 0.0166733	0.9922	EXP 150 of 150	510.260056 ± 0.033660	0.9996	EXP 150 of 150
16D05466	9.7 %	0.1629490 ± 0.0006781	0.0036	EXP 150 of 150	213.763183 ± 0.028938	0.9995	EXP 150 of 150	0.3371313 ± 0.0170996	0.0132	EXP 150 of 150	22.8458109 ± 0.0155336	0.9888	EXP 150 of 150	399.989157 ± 0.031819	0.9993	EXP 150 of 150
16D05468	11.0 %	0.1197317 ± 0.0005128	0.0881	EXP 150 of 150	152.611800 ± 0.025738	0.9992	EXP 150 of 150	0.2500198 ± 0.0180181	0.0105	EXP 150 of 150	16.4047898 ± 0.0152240	0.9789	EXP 150 of 150	289.127972 ± 0.027793	0.9986	EXP 150 of 150
16D05469	12.4 %	0.0818897 ± 0.0004434	0.2330	EXP 150 of 150	101.331212 ± 0.023518	0.9985	EXP 150 of 150	0.1236736 ± 0.0171429	0.0362	EXP 150 of 150	10.8015567 ± 0.0157235	0.9459	EXP 149 of 150	190.711841 ± 0.025066	0.9920	EXP 150 of 150
16D05470	14.0 %	0.0715195 ± 0.0004461	0.3288	EXP 150 of 150	87.280502 ± 0.023038	0.9980	EXP 150 of 150	0.1922465 ± 0.0163602	0.0136	EXP 148 of 150	9.5039587 ± 0.0159769	0.9281	EXP 150 of 150	169.379378 ± 0.026127	0.9845	EXP 150 of 150
16D05472	15.8 %	0.0665399 ± 0.0004333	0.3278	EXP 150 of 150	80.763951 ± 0.021696	0.9979	EXP 150 of 150	0.1592599 ± 0.0164722	0.0010	EXP 150 of 150	8.8636219 ± 0.0137572	0.9386	EXP 149 of 150	157.379124 ± 0.026360	0.9805	EXP 150 of 150
16D05473	18.0 %	0.0508562 ± 0.0003242	0.5814	EXP 149 of 150	61.555141 ± 0.022536	0.9962	EXP 150 of 150	0.1180078 ± 0.0170584	0.0001	EXP 150 of 150	6.8022846 ± 0.0148570	0.8673	EXP 150 of 150	120.378074 ± 0.024791	0.2933	EXP 150 of 150
16D05475	20.5 %	0.0388564 ± 0.0003276	0.5802	EXP 150 of 150	44.425510 ± 0.019250	0.9946	EXP 150 of 150	0.0909418 ± 0.0157916	0.0015	EXP 150 of 150	4.6879396 ± 0.0148847	0.7486	EXP 150 of 150	82.903539 ± 0.021234	0.9726	EXP 150 of 150
16D05476	22.5 %	0.0325340 ± 0.0003111	0.6305	EXP 150 of 150	36.195252 ± 0.019236	0.9919	EXP 150 of 150	0.0933050 ± 0.0151215	0.0004	EXP 150 of 150	3.7653657 ± 0.0161233	0.5542	EXP 150 of 150	67.596240 ± 0.020314	0.9894	EXP 150 of 150
16D05478	24.5 %	0.0265684 ± 0.0002905	0.6284	EXP 150 of 150	28.916062 ± 0.020148	0.9860	EXP 150 of 150	0.0597539 ± 0.0170292	0.0059	EXP 150 of 150	2.9334588 ± 0.0155855	0.3088	EXP 150 of 150	53.758389 ± 0.021169	0.9917	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D05450	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05452	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05453	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05454	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05456	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05457	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05458	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05460	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05461	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05462	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05464	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05465	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05466	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05468	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05469	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05470	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05472	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05473	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05475	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05476	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	01
16D05478	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	8.37	Walvis Ridge\MV1203 (13-INT-04)	16D05449	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	
16D05450	1.8 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	5	16	1
16D05452	2.0 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	5	36	1
16D05453	2.4 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	5	46	1
16D05454	2.8 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	5	56	1
16D05456	3.2 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	6	13	1
16D05457	3.6 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	6	21	1
16D05458	4.0 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	6	30	1
16D05460	4.5 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	6	47	1
16D05461	5.2 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	6	55	1
16D05462	6.1 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	7	4	1
16D05464	7.3 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	7	20	1
16D05465	8.5 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	7	29	1
16D05466	9.7 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	7	37	1
16D05468	11.0 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	7	54	1
16D05469	12.4 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	8	3	1
16D05470	14.0 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	8	11	1
16D05472	15.8 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	8	28	1
16D05473	18.0 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	8	37	1
16D05475	20.5 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	8	54	1
16D05476	22.5 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	9	2	1
16D05478	24.5 %	MV1203-D04-06	Plagioclase	Queequeg Guyot	FCT-NM (7A4-15)	28.201	0.082	Kuiper et al (2008)	8.90545	0.16	0.00176492	0.160	304.399	0.135	0.9926819	0.067	1	4.8E-14	9	FEB	2016	9	19	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	
16D05450	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
16D05452	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
16D05453	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
16D05454	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
16D05456	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
16D05457	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
16D05458	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
16D05460	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
16D05461	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
16D05462	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
16D05464	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
16D05465	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
16D05466	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
16D05468	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
16D05469	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
16D05470	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
16D05472	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
16D05473	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
16D05475	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
16D05476	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
16D05478	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

**16D05449.AGE >>> MV1203-D04-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT**



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**  
55.47 ± 0.19

**TOTAL FUSION**  
55.48 ± 0.19

**NORMAL ISOCHRON**  
55.42 ± 0.22

**INVERSE ISOCHRON**  
55.37 ± 0.22

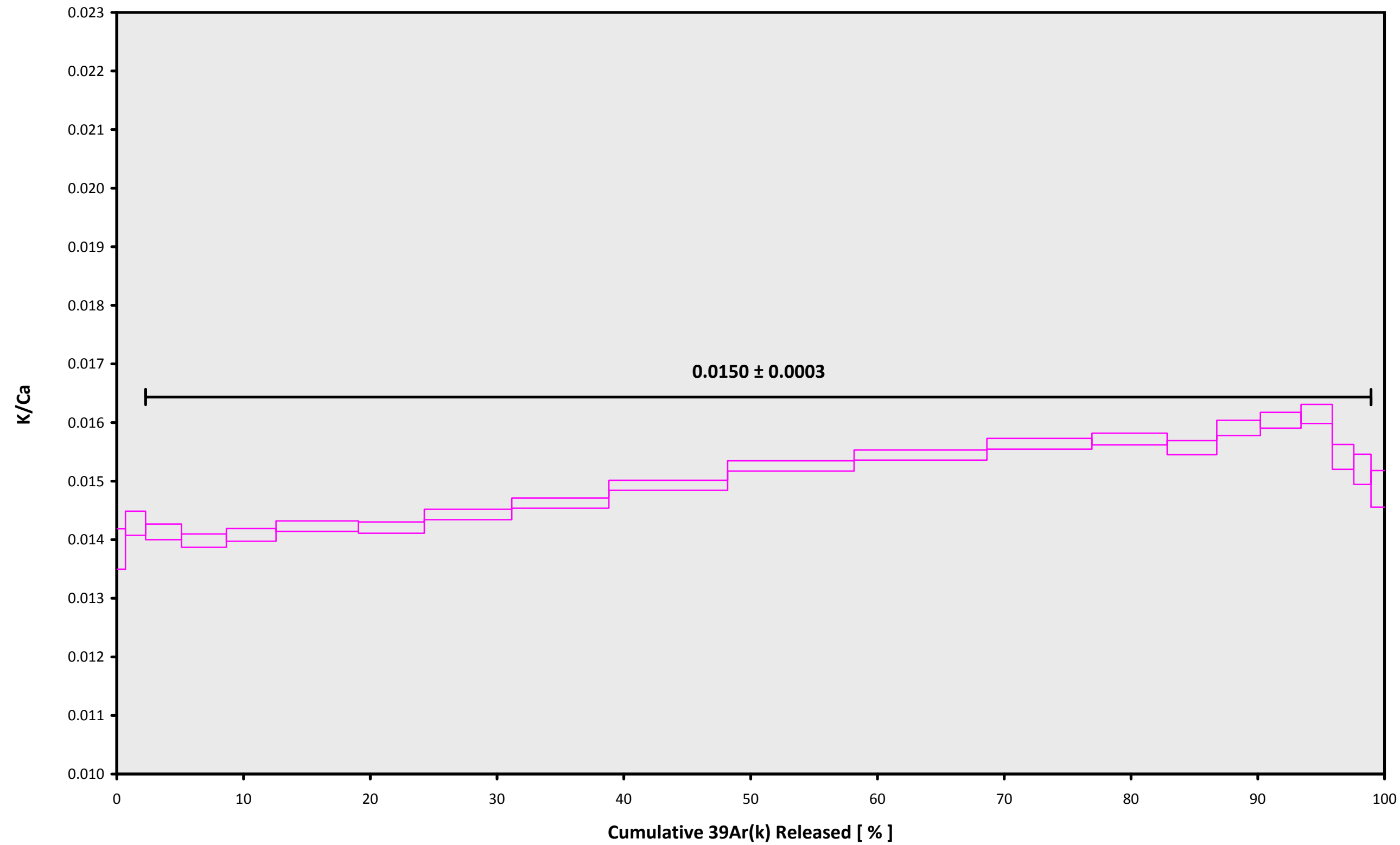
**MSWD (PROBABILITY)**  
1.58 (6%)

**Sample Info**

Plagioclase  
Queequeg Guyot  
Susan Schnur

IRR = 15-OSU-07 (7A4-15)  
J = 0.00176492 ± 0.00000282

**16D05449.AGE >>> MV1203-D04-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT**



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**

**55.47 ± 0.19**

**TOTAL FUSION**

**55.48 ± 0.19**

**NORMAL ISOCHRON**

**55.42 ± 0.22**

**INVERSE ISOCHRON**

**55.37 ± 0.22**

**Sample Info**

**Plagioclase**

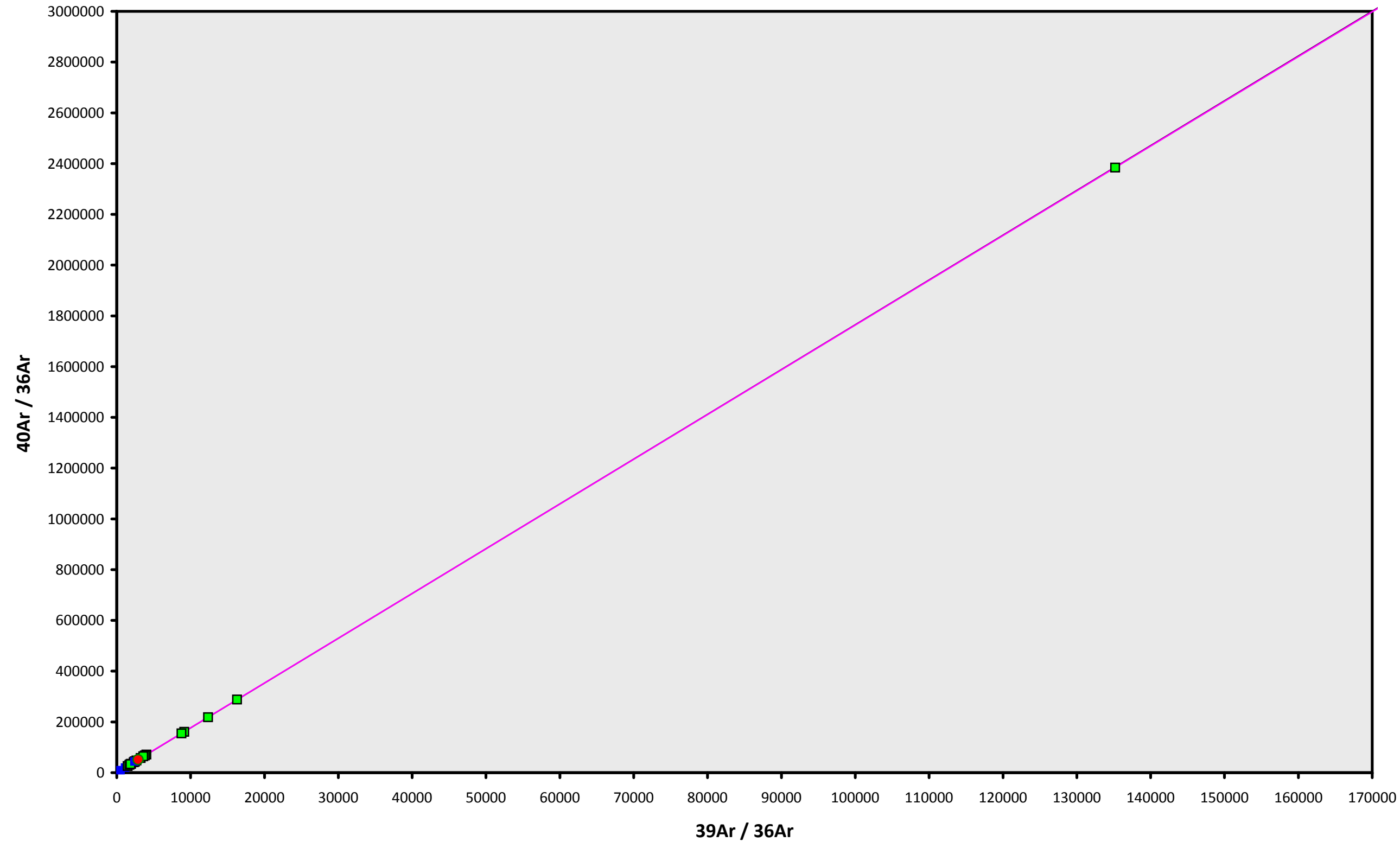
**Queequeg Guyot**

**Susan Schnur**

**IRR = 15-OSU-07 (7A4-15)**

**J = 0.00176492 ± 0.00000282**

16D05449.AGE >>> MV1203-D04-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**

55.47 ± 0.19

**TOTAL FUSION**

55.48 ± 0.19

**NORMAL ISOCHRON**

55.42 ± 0.22

**INVERSE ISOCHRON**

55.37 ± 0.22

**MSWD (PROBABILITY)**

1.21 (25%)

**40AR/36AR INTERCEPT**

346.9 ± 102.8

**Sample Info**

Plagioclase

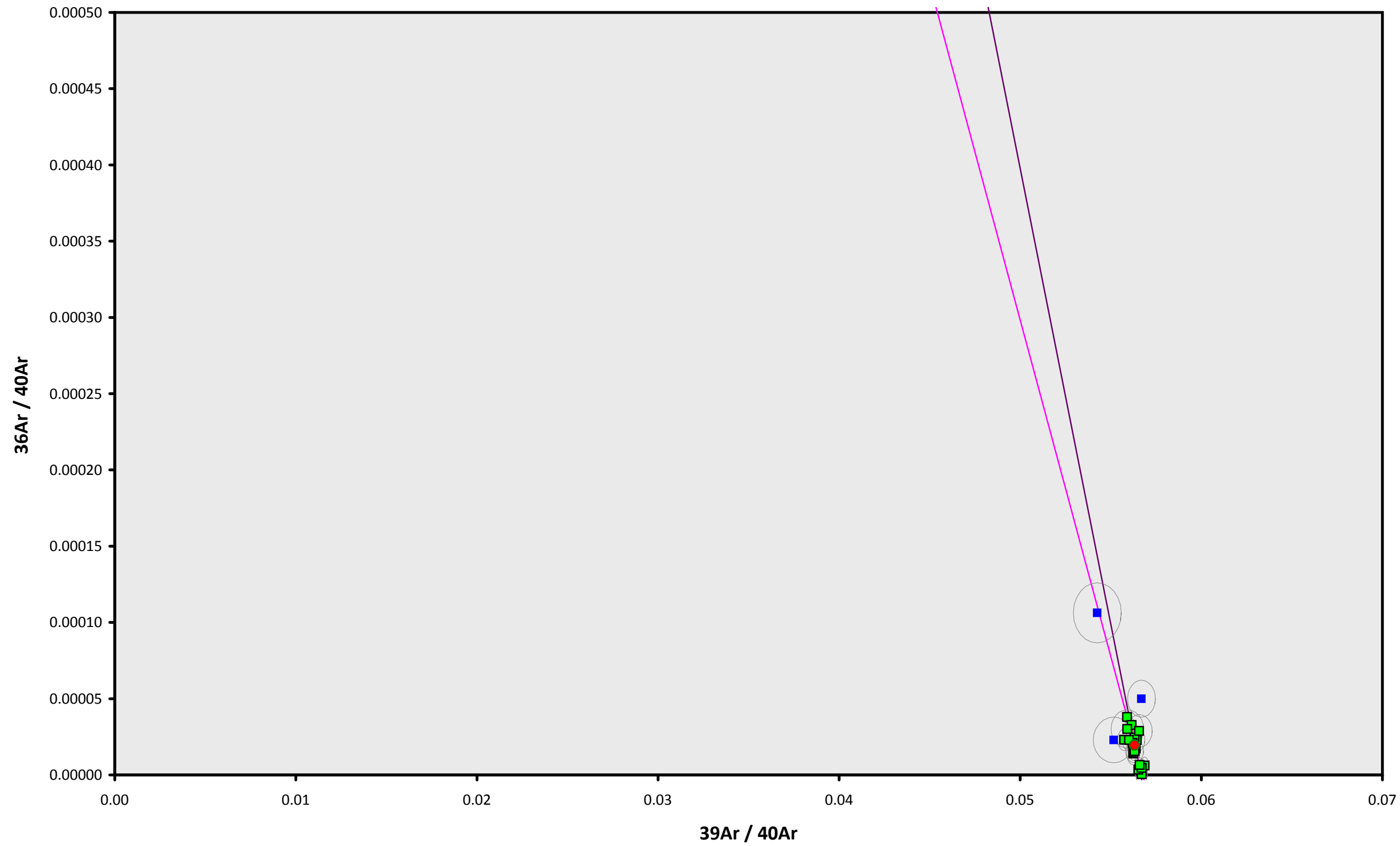
Queequeg Guyot

Susan Schnur

IRR = 15-OSU-07 (7A4-15)

J = 0.00176492 ± 0.00000282

**16D05449.AGE >>> MV1203-D04-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT**



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**  
55.47 ± 0.19

**TOTAL FUSION**  
55.48 ± 0.19

**NORMAL ISOCHRON**  
55.42 ± 0.22

**INVERSE ISOCHRON**  
55.37 ± 0.22

**MSWD (PROBABILITY)**  
1.38 (14%)

**SPREADING FACTOR**  
2.0%

**40AR/36AR INTERCEPT**  
399.5 ± 103.4

**Sample Info**

Plagioclase  
Queequeg Guyot  
Susan Schnur

IRR = 15-OSU-07 (7A4-15)  
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