

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
14D30222	1.8%	✓	0.7994558	0.409	47.1252	0.656	8.152650	0.511	166.6001	0.076	1315.8489	0.010	6.50151 ± 0.01535	19.77 ± 0.05	82.30	13.94	1.520 ± 0.020
14D30224	1.9%	✓	0.3653627	0.525	53.8035	0.585	5.638173	0.694	125.1777	0.079	917.3005	0.013	6.49881 ± 0.01387	19.76 ± 0.04	88.66	10.47	1.000 ± 0.012
14D30225	2.0%	✓	0.1372857	0.968	29.9976	0.973	2.367554	1.617	56.3778	0.100	405.0465	0.027	6.50662 ± 0.01944	19.79 ± 0.06	90.53	4.72	0.808 ± 0.016
14D30226	2.1%	✓	0.1183380	0.999	41.5126	0.740	2.032073	1.859	56.5508	0.102	399.0911	0.028	6.49705 ± 0.01858	19.76 ± 0.06	92.02	4.73	0.585 ± 0.009
14D30228	2.2%	✓	0.0597844	1.752	25.1326	1.087	0.921530	4.087	29.5292	0.144	207.6602	0.052	6.50183 ± 0.02906	19.77 ± 0.09	92.40	2.47	0.505 ± 0.011
14D30229	2.4%	✓	0.0572744	1.854	32.8134	0.859	0.936192	4.081	32.2992	0.139	224.5390	0.048	6.50918 ± 0.02739	19.79 ± 0.08	93.57	2.70	0.423 ± 0.007
14D30230	2.6%	✓	0.0656578	1.580	53.0372	0.611	0.969330	3.832	44.0416	0.116	301.6931	0.035	6.50632 ± 0.02114	19.78 ± 0.06	94.90	3.68	0.357 ± 0.004
14D30232	2.8%	✓	0.0588338	1.737	56.5009	0.584	0.759926	4.953	42.8218	0.115	289.8601	0.037	6.46901 ± 0.02112	19.67 ± 0.06	95.48	3.58	0.326 ± 0.004
14D30233	3.0%	✓	0.0378442	2.595	42.0800	0.712	0.556024	6.853	30.9039	0.140	208.6618	0.050	6.49966 ± 0.02707	19.76 ± 0.08	96.17	2.58	0.316 ± 0.005
14D30234	3.2%		0.0520899	2.065	72.1210	0.505	0.718616	5.294	51.6626	0.102	343.0437	0.032	6.45433 ± 0.01855	19.63 ± 0.06	97.11	4.32	0.308 ± 0.003
14D30236	3.4%		0.0430585	2.344	65.4769	0.517	0.638257	5.920	46.3383	0.108	306.2011	0.035	6.44696 ± 0.01957	19.60 ± 0.06	97.47	3.87	0.304 ± 0.003
14D30237	3.6%		0.0413791	2.394	68.8766	0.510	0.649539	5.987	48.9864	0.105	321.2207	0.034	6.42070 ± 0.01859	19.53 ± 0.06	97.82	4.10	0.306 ± 0.003
14D30238	3.9%		0.0467754	2.075	79.1605	0.485	0.741842	5.077	56.7893	0.100	370.4914	0.029	6.39250 ± 0.01675	19.44 ± 0.05	97.89	4.75	0.308 ± 0.003
14D30240	4.2%		0.0279537	3.446	46.7637	0.663	0.477511	7.886	33.5127	0.133	218.3388	0.049	6.38072 ± 0.02491	19.40 ± 0.08	97.84	2.80	0.308 ± 0.004
14D30241	4.5%		0.0402877	2.429	74.8445	0.491	0.717256	5.177	53.9896	0.102	350.4698	0.031	6.38222 ± 0.01741	19.41 ± 0.05	98.23	4.51	0.310 ± 0.003
14D30242	4.8%		0.0236712	4.022	45.9738	0.673	0.470577	8.214	33.5398	0.132	217.1165	0.048	6.37488 ± 0.02465	19.39 ± 0.07	98.39	2.80	0.313 ± 0.004
14D30244	5.1%		0.0312649	3.031	70.0481	0.519	0.677339	5.611	51.1081	0.108	328.4265	0.033	6.35531 ± 0.01810	19.33 ± 0.05	98.81	4.27	0.313 ± 0.003
14D30245	5.4%		0.0202169	4.352	42.3841	0.695	0.379418	10.426	31.4072	0.136	201.7656	0.052	6.34212 ± 0.02492	19.29 ± 0.08	98.63	2.63	0.318 ± 0.005
14D30246	5.8%		0.0247286	3.822	54.4652	0.569	0.561286	6.582	40.5699	0.118	259.9317	0.041	6.33453 ± 0.02108	19.26 ± 0.06	98.78	3.39	0.320 ± 0.004
14D30248	6.2%		0.0201349	4.567	38.9118	0.781	0.422120	8.914	29.7537	0.146	190.6840	0.055	6.31353 ± 0.02699	19.20 ± 0.08	98.43	2.49	0.329 ± 0.005
14D30249	6.8%		0.0189538	4.782	35.5635	0.791	0.426433	8.820	26.7016	0.156	169.5887	0.062	6.24828 ± 0.02918	19.00 ± 0.09	98.29	2.23	0.323 ± 0.005
14D30250	7.4%		0.0162895	5.519	27.7138	1.073	0.294373	13.038	20.7448	0.190	130.3195	0.079	6.15694 ± 0.03618	18.73 ± 0.11	97.92	1.73	0.322 ± 0.007
14D30252	8.3%		0.0198183	4.709	31.2849	0.878	0.344554	11.290	22.2421	0.177	133.5918	0.079	5.85554 ± 0.03374	17.82 ± 0.10	97.40	1.86	0.305 ± 0.005
14D30253	9.5%		0.0213801	4.312	37.8590	0.752	0.382024	9.535	21.0806	0.197	116.9674	0.089	5.39319 ± 0.03496	16.41 ± 0.11	97.08	1.76	0.239 ± 0.004
14D30254	11.0%		0.0284218	3.218	58.5558	0.577	0.377137	10.245	17.7203	0.222	87.0202	0.118	4.70391 ± 0.03897	14.33 ± 0.12	95.57	1.48	0.130 ± 0.002
14D30256	13.0%		0.0294897	3.043	72.1787	0.504	0.281049	13.965	10.2572	0.359	40.1473	0.251	3.63234 ± 0.06171	11.07 ± 0.19	92.36	0.85	0.061 ± 0.001
14D30257	15.5%		0.0314995	3.006	92.1777	0.442	0.155787	23.797	5.5058	0.628	18.8815	0.537	3.08805 ± 0.11684	9.42 ± 0.36	89.03	0.46	0.025 ± 0.000
14D30259	18.5%		0.0418201	2.334	133.3046	0.391	0.144228	27.791	4.4821	0.775	14.0923	0.711	2.78033 ± 0.14722	8.48 ± 0.45	86.65	0.37	0.014 ± 0.000
14D30260	21.5%		0.0234305	4.036	79.4972	0.471	0.114915	33.359	2.7032	1.314	8.7812	1.144	3.05961 ± 0.23985	9.33 ± 0.73	92.32	0.22	0.014 ± 0.000
14D30262	24.5%		0.0287556	3.175	94.8945	0.443	0.075736	50.314	2.7094	1.343	9.2269	1.089	3.09553 ± 0.23524	9.44 ± 0.72	88.75	0.22	0.012 ± 0.000
Σ			2.3312563	0.277	1704.0588	0.108	31.383450	0.667	1196.1065	0.024	8106.0078	0.007					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
 Sample = **MV1203-D51-10**
 Material = **Groundmass**
 Location = **RSA Guyot**
 Region = **Walvis Ridge**
 Analyst = **Susan Schnur**
 Irradiation = **14-OSU-04 (4B12-14)**
 Position = **X: 0 | Y: 0 | Z/H: 20.83 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.29596 ± 0.01915**
 FCT-NM J-value = **0.00169078 ± 0.00000348**
 Air Shot 40Ar/36Ar = **303.5560 ± 0.5221**
 Air Shot MDF = **0.99335673 ± 0.00071358 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **77 sec**
 Isolation = **6.00 min**
 Instrument = **ARGUS-VI-D**
 Preferred Age = **Plateau Age**
 Age Classification = **Eruption Age**
 IGSN = **IES510031**
 Rock Class = **Igneous>Volcanic>Mafic**
 Lithology = **Trachybasalt**
 Lat-Lon = **39°28.3'S - 5°59.5'W**

Age Equations = **Min et al. (2000)**
 Negative Intensities = **Allowed**
 Collector Calibrations = **40Ar 36Ar**
 Decay 40K = **5.530 ± 0.048 E-10 1/a**
 Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
 Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
 Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
 Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
 Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
 Atmospheric 40/36(a) = **295.50**
 Atmospheric 38/36(a) = **0.1869**
 Production 39/37(ca) = **0.0006756 ± 0.0000089**
 Production 38/37(ca) = **0.0000718 ± 0.0000092**
 Production 36/37(ca) = **0.0002663 ± 0.0000004**
 Production 40/39(k) = **0.003823 ± 0.000102**
 Production 38/39(k) = **0.012031 ± 0.000019**
 Production 36/38(cl) = **262.80 ± 1.71**
 Scaling Ratio K/Ca = **0.430**
 Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
 Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Age Plateau		6.49862 ± 0.00728 ± 0.11%	19.76 ± 0.08 ± 0.42% Full External Error ± 0.45 Analytical Error ± 0.02	1.24 27%	48.88 9	0.406 ± 0.133 2σ Confidence Limit Error Magnification
Total Fusion Age		6.31603 ± 0.00455 ± 0.07%	19.21 ± 0.08 ± 0.42% Full External Error ± 0.44 Analytical Error ± 0.01		30	0.302 ± 0.001
Normal Isochron	299.65 ± 6.24 ± 2.08%	6.48726 ± 0.01699 ± 0.26%	19.73 ± 0.10 ± 0.49% Full External Error ± 0.45 Analytical Error ± 0.05	1.42 19%	48.88 9	2.07 2σ Confidence Limit Error Magnification 1 Number of Iterations Convergence
Inverse Isochron	297.80 ± 5.96 ± 2.00%	6.49310 ± 0.01621 ± 0.25%	19.74 ± 0.09 ± 0.48% Full External Error ± 0.45 Analytical Error ± 0.05	1.30 25%	48.88 9	2.07 2σ Confidence Limit Error Magnification 2 Number of Iterations Convergence 14% Spreading Factor
Notes	Plateau not great, but plateau / isochron ages concordant.			0.0000152003		

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
14D30222	1.8 %	✓	0.7860127	47.1252	5.998378	166.5682	1082.9454	19.77 ± 0.05	82.30	13.94	1.520 ± 0.020
14D30224	1.9 %	✓	0.3504293	53.8035	4.063239	125.1414	813.2703	19.76 ± 0.04	88.66	10.47	1.000 ± 0.012
14D30225	2.0 %	✓	0.1290495	29.9976	1.663244	56.3575	366.6969	19.79 ± 0.06	90.53	4.72	0.808 ± 0.016
14D30226	2.1 %	✓	0.1070851	41.5126	1.329053	56.5228	367.2314	19.76 ± 0.06	92.02	4.73	0.585 ± 0.009
14D30228	2.2 %	✓	0.0530089	25.1326	0.554758	29.5122	191.8833	19.77 ± 0.09	92.40	2.47	0.505 ± 0.011
14D30229	2.4 %	✓	0.0484562	32.8134	0.536454	32.2770	210.0968	19.79 ± 0.08	93.57	2.70	0.423 ± 0.007
14D30230	2.6 %	✓	0.0514704	53.0372	0.426469	44.0057	286.3153	19.78 ± 0.06	94.90	3.68	0.357 ± 0.004
14D30232	2.8 %	✓	0.0437529	56.5009	0.232962	42.7836	276.7676	19.67 ± 0.06	95.48	3.58	0.326 ± 0.004
14D30233	3.0 %	✓	0.0266120	42.0800	0.176567	30.8754	200.6799	19.76 ± 0.08	96.17	2.58	0.316 ± 0.005
14D30234	3.2 %		0.0328712	72.1210	0.086328	51.6138	333.1329	19.63 ± 0.06	97.11	4.32	0.308 ± 0.003
14D30236	3.4 %		0.0256113	65.4769	0.071806	46.2940	298.4560	19.60 ± 0.06	97.47	3.87	0.304 ± 0.003
14D30237	3.6 %		0.0230296	68.8766	0.051494	48.9399	314.2284	19.53 ± 0.06	97.82	4.10	0.306 ± 0.003
14D30238	3.9 %		0.0256877	79.1605	0.048769	56.7358	362.6838	19.44 ± 0.05	97.89	4.75	0.308 ± 0.003
14D30240	4.2 %		0.0154903	46.7637	0.068447	33.4811	213.6334	19.40 ± 0.08	97.84	2.80	0.308 ± 0.004
14D30241	4.5 %		0.0203478	74.8445	0.059139	53.9390	344.2509	19.41 ± 0.05	98.23	4.51	0.310 ± 0.003
14D30242	4.8 %		0.0114191	45.9738	0.061999	33.5087	213.6141	19.39 ± 0.07	98.39	2.80	0.313 ± 0.004
14D30244	5.1 %		0.0126028	70.0481	0.055642	51.0608	324.5071	19.33 ± 0.05	98.81	4.27	0.313 ± 0.003
14D30245	5.4 %		0.0089300	42.3841	0.000000	31.3786	199.0068	19.29 ± 0.08	98.63	2.63	0.318 ± 0.005
14D30246	5.8 %		0.0102144	54.4652	0.067813	40.5331	256.7584	19.26 ± 0.06	98.78	3.39	0.320 ± 0.004
14D30248	6.2 %		0.0097637	38.9118	0.059850	29.7275	187.6852	19.20 ± 0.08	98.43	2.49	0.329 ± 0.005
14D30249	6.8 %		0.0094682	35.5635	0.101152	26.6776	166.6889	19.00 ± 0.09	98.29	2.23	0.323 ± 0.005
14D30250	7.4 %		0.0089031	27.7138	0.041363	20.7261	127.6093	18.73 ± 0.11	97.92	1.73	0.322 ± 0.007
14D30252	8.3 %		0.0114763	31.2849	0.072823	22.2209	130.1156	17.82 ± 0.10	97.40	1.86	0.305 ± 0.005
14D30253	9.5 %		0.0112798	37.8590	0.123884	21.0550	113.5537	16.41 ± 0.11	97.08	1.76	0.239 ± 0.004
14D30254	11.0 %		0.0128048	58.5558	0.157822	17.6808	83.1688	14.33 ± 0.12	95.57	1.48	0.130 ± 0.002
14D30256	13.0 %		0.0102459	72.1787	0.151134	10.2084	37.0806	11.07 ± 0.19	92.36	0.85	0.061 ± 0.001
14D30257	15.5 %		0.0069403	92.1777	0.082380	5.4435	16.8098	9.42 ± 0.36	89.03	0.46	0.025 ± 0.000
14D30259	18.5 %		0.0063090	133.3046	0.080638	4.3920	12.2112	8.48 ± 0.45	86.65	0.37	0.014 ± 0.000
14D30260	21.5 %		0.0022489	79.4972	0.076911	2.6495	8.1065	9.33 ± 0.73	92.32	0.22	0.014 ± 0.000
14D30262	24.5 %		0.0034797	94.8945	0.036446	2.6453	8.1886	9.44 ± 0.72	88.75	0.22	0.012 ± 0.000
Σ			1.8750006	1704.0588	16.536964	1194.9552	7547.3768				

Information on Analysis

Project = **MV1203 (13-INT-04)**
 Sample = **MV1203-D51-10**
 Material = **Groundmass**
 Location = **RSA Guyot**
 Region = **Walvis Ridge**
 Analyst = **Susan Schnur**
 Irradiation = **14-OSU-04 (4B12-14)**
 J = **0.00169078 ± 0.00000348**
 FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	6.49862 ± 0.00728 ± 0.11%	19.76 ± 0.08 ± 0.42%	1.24 27%	48.88 9	0.406 ± 0.133
		Full External Error ± 0.45 Analytical Error ± 0.02	2.00 1.1116	2σ Confidence Limit Error Magnification	
Total Fusion Age	6.31603 ± 0.00455 ± 0.07%	19.21 ± 0.08 ± 0.42%		30	0.302 ± 0.001
		Full External Error ± 0.44 Analytical Error ± 0.01			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D30222	1.8 % ✓	211.92 ± 1.79	1673.27 ± 13.93	0.9833
14D30224	1.9 % ✓	357.11 ± 3.95	2616.28 ± 28.67	0.9894
14D30225	2.0 % ✓	436.71 ± 9.06	3137.02 ± 64.77	0.9950
14D30226	2.1 % ✓	527.83 ± 11.73	3724.84 ± 82.45	0.9954
14D30228	2.2 % ✓	556.74 ± 22.11	3915.33 ± 155.12	0.9970
14D30229	2.4 % ✓	666.11 ± 29.32	4631.31 ± 203.53	0.9978
14D30230	2.6 % ✓	854.97 ± 34.65	5858.22 ± 237.09	0.9982
14D30232	2.8 % ✓	977.85 ± 45.91	6621.19 ± 310.55	0.9987
14D30233	3.0 % ✓	1160.21 ± 86.00	7836.46 ± 580.53	0.9992
14D30234	3.2 %	1570.19 ± 103.28	10430.00 ± 685.75	0.9995
14D30236	3.4 %	1807.56 ± 143.13	11948.78 ± 945.83	0.9996
14D30237	3.6 %	2125.09 ± 183.74	13940.04 ± 1204.98	0.9997
14D30238	3.9 %	2208.68 ± 167.94	14414.48 ± 1095.67	0.9996
14D30240	4.2 %	2161.43 ± 269.91	14086.97 ± 1758.76	0.9997
14D30241	4.5 %	2650.86 ± 256.45	17213.87 ± 1664.95	0.9998
14D30242	4.8 %	2934.45 ± 491.27	19002.26 ± 3180.94	0.9999
14D30244	5.1 %	4051.53 ± 612.72	26044.26 ± 3938.36	0.9999
14D30245	5.4 %	3513.85 ± 695.29	22580.77 ± 4467.75	0.9999
14D30246	5.8 %	3968.22 ± 737.47	25432.32 ± 4726.09	0.9999
14D30248	6.2 %	3044.69 ± 575.87	19518.27 ± 3691.27	0.9999
14D30249	6.8 %	2817.61 ± 541.49	17900.70 ± 3439.79	0.9998
14D30250	7.4 %	2327.96 ± 472.12	14628.58 ± 2966.31	0.9998
14D30252	8.3 %	1936.25 ± 316.01	11633.30 ± 1898.26	0.9997
14D30253	9.5 %	1866.62 ± 306.27	10362.53 ± 1699.87	0.9997
14D30254	11.0 %	1380.79 ± 198.39	6790.61 ± 975.31	0.9994
14D30256	13.0 %	996.34 ± 175.79	3914.56 ± 690.38	0.9988
14D30257	15.5 %	784.33 ± 215.84	2717.56 ± 747.61	0.9982
14D30259	18.5 %	696.15 ± 218.20	2231.03 ± 699.12	0.9977
14D30260	21.5 %	1178.14 ± 997.45	3900.14 ± 3301.54	0.9991
14D30262	24.5 %	760.20 ± 402.78	2648.71 ± 1402.69	0.9978

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	299.65 ± 6.24 ± 2.08%	6.48726 ± 0.01699 ± 0.26%	19.73 ± 0.10 ± 0.49% Full External Error ± 0.45 Analytical Error ± 0.05	1.42 19%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.07 1.1903 9	Convergence Number of Iterations Calculated Line	0.000033393024 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D30222	1.8 % ✓	0.1266474 ± 0.0001951	0.00059763 ± 0.00000497	0.0030
14D30224	1.9 % ✓	0.1364947 ± 0.0002195	0.00038222 ± 0.00000419	0.0042
14D30225	2.0 % ✓	0.1392124 ± 0.0002872	0.00031877 ± 0.00000658	0.0067
14D30226	2.1 % ✓	0.1417054 ± 0.0003001	0.00026847 ± 0.00000594	0.0065
14D30228	2.2 % ✓	0.1421949 ± 0.0004346	0.00025541 ± 0.00001012	0.0088
14D30229	2.4 % ✓	0.1438270 ± 0.0004220	0.00021592 ± 0.00000949	0.0071
14D30230	2.6 % ✓	0.1459440 ± 0.0003539	0.00017070 ± 0.00000691	0.0051
14D30232	2.8 % ✓	0.1476841 ± 0.0003561	0.00015103 ± 0.00000708	0.0048
14D30233	3.0 % ✓	0.1480526 ± 0.0004402	0.00012761 ± 0.00000945	0.0046
14D30234	3.2 %	0.1505451 ± 0.0003215	0.00009588 ± 0.00000630	0.0029
14D30236	3.4 %	0.1512757 ± 0.0003437	0.00008369 ± 0.00000662	0.0027
14D30237	3.6 %	0.1524448 ± 0.0003361	0.00007174 ± 0.00000620	0.0024
14D30238	3.9 %	0.1532263 ± 0.0003184	0.00006937 ± 0.00000527	0.0022
14D30240	4.2 %	0.1534345 ± 0.0004353	0.00007099 ± 0.00000886	0.0027
14D30241	4.5 %	0.1539955 ± 0.0003292	0.00005809 ± 0.00000562	0.0019
14D30242	4.8 %	0.1544262 ± 0.0004347	0.00005263 ± 0.00000881	0.0020
14D30244	5.1 %	0.1555634 ± 0.0003509	0.00003840 ± 0.00000581	0.0013
14D30245	5.4 %	0.1556125 ± 0.0004543	0.00004429 ± 0.00000876	0.0018
14D30246	5.8 %	0.1560306 ± 0.0003911	0.00003932 ± 0.00000731	0.0015
14D30248	6.2 %	0.1559920 ± 0.0004880	0.00005123 ± 0.00000969	0.0021
14D30249	6.8 %	0.1574022 ± 0.0005305	0.00005586 ± 0.00001073	0.0024
14D30250	7.4 %	0.1591376 ± 0.0006553	0.00006836 ± 0.00001386	0.0030
14D30252	8.3 %	0.1664404 ± 0.0006443	0.00008596 ± 0.00001403	0.0039
14D30253	9.5 %	0.1801315 ± 0.0007779	0.00009650 ± 0.00001583	0.0045
14D30254	11.0 %	0.2033379 ± 0.0010252	0.00014726 ± 0.00002115	0.0078
14D30256	13.0 %	0.2545224 ± 0.0022360	0.00025546 ± 0.00004505	0.0163
14D30257	15.5 %	0.2886170 ± 0.0048018	0.00036798 ± 0.00010123	0.0252
14D30259	18.5 %	0.3120307 ± 0.0066426	0.00044822 ± 0.00014046	0.0304
14D30260	21.5 %	0.3020757 ± 0.0106535	0.00025640 ± 0.00021705	0.0176
14D30262	24.5 %	0.2870066 ± 0.0100790	0.00037754 ± 0.00019994	0.0256

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	297.80 ± 5.96 ± 2.00%	6.49310 ± 0.01621 ± 0.25%	19.74 ± 0.09 ± 0.48% Full External Error ± 0.45 Analytical Error ± 0.05	1.30 25%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	2.07 1.1385 9 13.9%	Convergence Number of Iterations Calculated Line	0.0000152003 2 Weighted York-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	
14D30222	1.8%	✓	0.7860127	0.42	0.0000000	0.00	0.0125494	0.67	0.0008937	1.15	47.1252	0.66	0.1469058	0.42	0.0000000	0.00	2.003982	0.18	0.0033836	12.84	5.998378	1.47	166.5682	0.08	0.0318378	1.47	1082.9454	0.09	232.26674	0.42	0.0000000	0.00	0.6367903	2.66
14D30224	1.9%	✓	0.3504293	0.55	0.0000000	0.00	0.0143279	0.60	0.0006055	1.33	53.8035	0.59	0.0654952	0.55	0.0000000	0.00	1.505576	0.18	0.0038631	12.83	4.063239	1.62	125.1414	0.08	0.0363496	1.44	813.2703	0.07	103.55186	0.55	0.0000000	0.00	0.4784154	2.66
14D30225	2.0%	✓	0.1290495	1.03	0.0000000	0.00	0.0079884	0.98	0.0002479	2.48	29.9976	0.97	0.0241193	1.03	0.0000000	0.00	0.678037	0.19	0.0021538	12.86	1.663244	2.64	56.3575	0.10	0.0202664	1.64	366.6969	0.11	38.13412	1.03	0.0000000	0.00	0.2154547	2.66
14D30226	2.1%	✓	0.1070851	1.11	0.0000000	0.00	0.0110548	0.76	0.0001981	2.99	41.5126	0.74	0.0200142	1.11	0.0000000	0.00	0.680025	0.19	0.0029806	12.84	1.329053	3.13	56.5228	0.10	0.0280459	1.51	367.2314	0.10	31.64364	1.11	0.0000000	0.00	0.2160865	2.66
14D30228	2.2%	✓	0.0530089	1.98	0.0000000	0.00	0.0066928	1.10	0.0000827	6.85	25.1326	1.09	0.0099074	1.98	0.0000000	0.00	0.355061	0.22	0.0018045	12.87	0.554758	6.91	29.5122	0.14	0.0169796	1.71	191.8833	0.17	15.66412	1.98	0.0000000	0.00	0.1128250	2.66
14D30229	2.4%	✓	0.0484562	2.20	0.0000000	0.00	0.0087382	0.87	0.0000800	7.18	32.8134	0.86	0.0090565	2.20	0.0000000	0.00	0.388325	0.21	0.0023560	12.85	0.536454	7.24	32.2770	0.14	0.0221688	1.57	210.0968	0.16	14.31880	2.20	0.0000000	0.00	0.1233950	2.66
14D30230	2.6%	✓	0.0514704	2.02	0.0000000	0.00	0.0141238	0.63	0.0000636	8.76	53.0372	0.61	0.0096198	2.02	0.0000000	0.00	0.529433	0.20	0.0038081	12.83	0.426469	8.81	44.0057	0.12	0.0358319	1.45	286.3153	0.11	15.20949	2.02	0.0000000	0.00	0.1682339	2.66
14D30232	2.8%	✓	0.0437529	2.34	0.0000000	0.00	0.0150462	0.60	0.0000347	16.19	56.5009	0.58	0.0081774	2.34	0.0000000	0.00	0.514729	0.20	0.0040568	12.83	0.232962	16.22	42.7836	0.11	0.0381720	1.44	276.7676	0.12	12.92899	2.34	0.0000000	0.00	0.1635617	2.66
14D30233	3.0%	✓	0.0266120	3.70	0.0000000	0.00	0.0112059	0.73	0.0000263	21.61	42.0800	0.71	0.0049738	3.70	0.0000000	0.00	0.371462	0.21	0.0030213	12.84	0.176567	21.63	30.8754	0.14	0.0284293	1.50	200.6799	0.15	7.86384	3.70	0.0000000	0.00	0.1180368	2.66
14D30234	3.2%		0.0328712	3.29	0.0000000	0.00	0.0192058	0.53	0.0000129	44.11	72.1210	0.50	0.0061436	3.29	0.0000000	0.00	0.620966	0.19	0.0051783	12.83	0.086328	44.12	51.6138	0.10	0.0487249	1.41	333.1329	0.10	9.71343	3.29	0.0000000	0.00	0.1973197	2.66
14D30236	3.4%		0.0256113	3.96	0.0000000	0.00	0.0174365	0.54	0.0000107	52.66	65.4769	0.52	0.0047868	3.96	0.0000000	0.00	0.556963	0.19	0.0047012	12.83	0.071806	52.66	46.2940	0.11	0.0442362	1.42	298.4560	0.11	7.56815	3.96	0.0000000	0.00	0.1769821	2.66
14D30237	3.6%		0.0230296	4.32	0.0000000	0.00	0.0183418	0.53	0.0000077	75.58	68.8766	0.51	0.0043042	4.32	0.0000000	0.00	0.588796	0.19	0.0049453	12.83	0.051494	75.58	48.9399	0.10	0.0465330	1.41	314.2284	0.10	6.80525	4.32	0.0000000	0.00	0.1870972	2.66
14D30238	3.9%		0.0256877	3.80	0.0000000	0.00	0.0210804	0.51	0.0000073	77.29	79.1605	0.48	0.0048010	3.80	0.0000000	0.00	0.682588	0.19	0.0056837	12.83	0.048769	77.30	56.7358	0.10	0.0534808	1.41	362.6838	0.08	7.59071	3.80	0.0000000	0.00	0.2169010	2.66
14D30240	4.2%		0.0154903	6.24	0.0000000	0.00	0.0124532	0.68	0.0000102	55.05	46.7637	0.66	0.0028951	6.24	0.0000000	0.00	0.402811	0.21	0.0033576	12.84	0.068447	55.05	33.4811	0.13	0.0315936	1.48	213.6334	0.14	4.57737	6.24	0.0000000	0.00	0.1279981	2.66
14D30241	4.5%		0.0203478	4.84	0.0000000	0.00	0.0199311	0.51	0.0000088	62.84	74.8445	0.49	0.0038030	4.84	0.0000000	0.00	0.648940	0.19	0.0053738	12.83	0.059139	62.85	53.9390	0.10	0.0505649	1.41	344.2509	0.09	6.01276	4.84	0.0000000	0.00	0.2062089	2.66
14D30242	4.8%		0.0114191	8.37	0.0000000	0.00	0.0122428	0.69	0.0000093	62.37	45.9738	0.67	0.0021342	8.37	0.0000000	0.00	0.403143	0.21	0.0033009	12.84	0.061999	62.38	33.5087	0.13	0.0310599	1.48	213.6141	0.14	3.37434	8.37	0.0000000	0.00	0.1281038	2.66
14D30244	5.1%		0.0126028	7.56	0.0000000	0.00	0.0186538	0.54	0.0000083	68.35	70.0481	0.52	0.0023555	7.56	0.0000000	0.00	0.614312	0.19	0.0050295	12.83	0.055642	68.36	51.0608	0.11	0.0473245	1.42	324.5071	0.09	3.72413	7.56	0.0000000	0.00	0.1952054	2.66
14D30245	5.4%		0.0089300	9.89	0.0000000	0.00	0.0112869	0.71	0.0000000	0.00	42.3841	0.69	0.0016690	9.89	0.0000000	0.00	0.377516	0.21	0.0030432	12.84	0.0000000	0.00	31.3786	0.14	0.0286347	1.49	199.0068	0.14	2.63881	9.89	0.0000000	0.00	0.1199603	2.66
14D30246	5.8%		0.0102144	9.29	0.0000000	0.00	0.0145041	0.59	0.0000101	54.51	54.4652	0.57	0.0019091	9.29	0.0000000	0.00	0.487654	0.20	0.0039106	12.83	0.067813	54.52	40.5331	0.12	0.0367967	1.44	256.7584	0.12	3.01837	9.29	0.0000000	0.00	0.1549581	2.66
14D30248	6.2%		0.0097637	9.46	0.0000000	0.00	0.0103622	0.80	0.0000089	62.90	38.9118	0.78	0.0018248	9.46	0.0000000	0.00	0.357651	0.22	0.0027939	12.84	0.059850	62.90	29.7275	0.15	0.0262888	1.53	187.6852	0.16	2.88517	9.46	0.0000000	0.00	0.1136481	2.66
14D30249	6.8%		0.0094682	9.61	0.0000000	0.00	0.0094706	0.81	0.0000151	37.20	35.5635	0.79	0.0017696	9.61	0.0000000	0.00	0.320958	0.22	0.0025535	12.84	0.101152	37.22	26.6776	0.16	0.0240267	1.54	166.6889	0.17	2.79784	9.61	0.0000000	0.00	0.1019884	2.66
14D30250	7.4%		0.0089031	10.14	0.0000000	0.00	0.0073802	1.08	0.0000062	92.81	27.7138	1.07	0.0016640	10.14	0.0000000	0.00	0.249356	0.25	0.0019898	12.86	0.041363	92.81	20.7261	0.19	0.0187234	1.70	127.6093	0.22	2.63088	10.14	0.0000000	0.00	0.0792359	2.67
14D30252	8.3%		0.0114763	8.16	0.0000000	0.00	0.0083312	0.89	0.0000109	53.43	31.2849	0.88	0.0021449	8.16	0.0000000	0.00	0.267340	0.24	0.0022463	12.85	0.072823	53.44	22.2209	0.18	0.0211361	1.59	130.1156	0.23	3.39124	8.16	0.0000000	0.00	0.0849506	2.67
14D30253	9.5%		0.0112798	8.20	0.0000000	0.00	0.0100819	0.77	0.0000185	29.42	37.8590	0.75	0.0021082	8.20	0.0000000	0.00	0.253313	0.25	0.0027183	12.84	0.123884	29.44	21.0550	0.20	0.0255776	1.52	113.5537	0.26	3.33317	8.20	0.0000000	0.00	0.0804933	2.67
14D30254	11.0%		0.0128048	7.18	0.0000000	0.00	0.0155934	0.60	0.0000236	24.50	58.5558	0.58	0.0023932	7.18	0.0000000	0.00	0.212717	0.27	0.0042043	12.83	0.157822	24.52	17.6808	0.22	0.0395603	1.44	83.1688	0.35	3.78383	7.18	0.0000000	0.00	0.0675936	2.67
14D30256	13.0%		0.0102459	8.81	0.0000000	0.00	0.0192212	0.53	0.0000226	25.99	72.1787	0.50	0.0019150	8.81	0.0000000	0.00	0.122818	0.39	0.0051824	12.83	0.151134	26.01	10.2084	0.36	0.0487639	1.41	37.0806	0.77	3.02767	8.81	0.0000000	0.00	0.0390269	2.68
14D30257	15.5%		0.0069403	13.74	0.0000000	0.00	0.0245469	0.47	0.0000123	45.03	92.1777	0.44	0.0012971	13.74	0.0000000	0.00	0.065491	0.66	0.0066184	12.83	0.082380	45.04	5.4435	0.64	0.0622753	1.39	16.8098	1.78	2.05086	13.74	0.0000000	0.00	0.0208105	2.73
14D30259	18.5%		0.0063090	15.65	0.0000000	0.00	0.0354990	0.42	0.0000121	49.74	133.3046	0.39	0.0011792	15.65	0.0000000	0.00	0.052840	0.81	0.0095713	12.83	0.080638	49.75	4.3920	0.79	0.0900606	1.38	12.2112	2.53	1.86431	15.65	0.0000000	0.00	0.0167906	2.78
14D30260	21.5%		0.0022489	42.31	0.0000000	0.00	0.0211701	0.49	0.0000115	49.87	79.4972	0.47	0.0004203	42.31	0.0000000	0.00	0.031876	1.35	0.0057079	12.83	0.076911	49.87	2.6495	1.34	0.0537083	1.40	8.1065	3.68	0.66455	42.31	0.0000000	0.00	0.0101291	2.98
14D30262	24.5%		0.0034797	26.46	0.0000000	0.00	0.0252704	0.47	0.0000055	104.59	94.8945	0.44	0.0006504	26.46	0.0000000	0.00	0.031825	1.39	0.0068134	12.83	0.036446	104.60	2.6453	1.38	0.0641107	1.39	8.1886	3.54	1.02826	26.46	0.0000000	0.00	0.0101129	2.99
Σ			1.8750006	0.35	0.0000000	0.00	0.4537908	0.11	0.0024649	1.32	1704.05																							

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D30222	1.8 %	✓	7.898250	0.006083	0.282864	0.001869	0.004799	0.000020	91.743	6.138478	1.00064843	6.316E-11
14D30224	1.9 %	✓	7.327986	0.005890	0.429817	0.002537	0.002919	0.000015	91.760	6.140583	1.00064855	4.403E-11
14D30225	2.0 %	✓	7.184508	0.007407	0.532082	0.005205	0.002435	0.000024	91.769	6.141678	1.00064862	1.944E-11
14D30226	2.1 %	✓	7.057215	0.007467	0.734076	0.005483	0.002093	0.000021	91.778	6.142689	1.00064868	1.916E-11
14D30228	2.2 %	✓	7.032380	0.010739	0.851111	0.009333	0.002025	0.000036	91.795	6.144796	1.00064880	9.968E-12
14D30229	2.4 %	✓	6.951848	0.010190	1.015922	0.008841	0.001773	0.000033	91.803	6.145808	1.00064886	1.078E-11
14D30230	2.6 %	✓	6.850188	0.008298	1.204253	0.007484	0.001491	0.000024	91.813	6.146904	1.00064892	1.448E-11
14D30232	2.8 %	✓	6.768991	0.008152	1.319443	0.007853	0.001374	0.000024	91.830	6.149012	1.00064904	1.391E-11
14D30233	3.0 %	✓	6.751963	0.010028	1.361643	0.009881	0.001225	0.000032	91.838	6.150024	1.00064910	1.002E-11
14D30234	3.2 %		6.640082	0.007082	1.396001	0.007186	0.001008	0.000021	91.847	6.151121	1.00064917	1.647E-11
14D30236	3.4 %		6.607954	0.007499	1.413020	0.007464	0.000929	0.000022	91.864	6.153146	1.00064928	1.470E-11
14D30237	3.6 %		6.557341	0.007221	1.406034	0.007316	0.000845	0.000020	91.873	6.154243	1.00064935	1.542E-11
14D30238	3.9 %		6.523967	0.006770	1.393933	0.006896	0.000824	0.000017	91.881	6.155257	1.00064941	1.778E-11
14D30240	4.2 %		6.515113	0.009232	1.395405	0.009439	0.000834	0.000029	91.899	6.157368	1.00064953	1.048E-11
14D30241	4.5 %		6.491434	0.006931	1.386276	0.006948	0.000746	0.000018	91.908	6.158466	1.00064959	1.682E-11
14D30242	4.8 %		6.473408	0.009103	1.370726	0.009397	0.000706	0.000028	91.916	6.159479	1.00064965	1.042E-11
14D30244	5.1 %		6.426113	0.007241	1.370587	0.007269	0.000612	0.000019	91.933	6.161592	1.00064977	1.576E-11
14D30245	5.4 %		6.424180	0.009368	1.349503	0.009555	0.000644	0.000028	91.942	6.162606	1.00064983	9.685E-12
14D30246	5.8 %		6.407008	0.008022	1.342503	0.007803	0.000610	0.000023	91.951	6.163705	1.00064990	1.248E-11
14D30248	6.2 %		6.408739	0.010015	1.307796	0.010395	0.000677	0.000031	91.968	6.165819	1.00065002	9.153E-12
14D30249	6.8 %		6.351255	0.010692	1.331886	0.010744	0.000710	0.000034	91.976	6.166834	1.00065008	8.140E-12
14D30250	7.4 %		6.282019	0.012922	1.335937	0.014562	0.000785	0.000043	91.985	6.167934	1.00065014	6.255E-12
14D30252	8.3 %		6.006268	0.011614	1.406564	0.012598	0.000891	0.000042	92.002	6.169965	1.00065026	6.412E-12
14D30253	9.5 %		5.548581	0.011967	1.795918	0.013962	0.001014	0.000044	92.011	6.171065	1.00065032	5.614E-12
14D30254	11.0 %		4.910758	0.012355	3.304443	0.020435	0.001604	0.000052	92.019	6.172081	1.00065038	4.177E-12
14D30256	13.0 %		3.914053	0.017130	7.036877	0.043520	0.002875	0.000088	92.037	6.174198	1.00065051	1.927E-12
14D30257	15.5 %		3.429389	0.028322	16.741970	0.128506	0.005721	0.000176	92.046	6.175299	1.00065057	9.063E-13
14D30259	18.5 %		3.144163	0.033067	29.741801	0.258111	0.009331	0.000229	92.063	6.177332	1.00065069	6.764E-13
14D30260	21.5 %		3.248404	0.056591	29.408190	0.410451	0.008668	0.000368	92.072	6.178434	1.00065075	4.215E-13
14D30262	24.5 %		3.405528	0.058895	35.024166	0.495320	0.010613	0.000366	92.089	6.180553	1.00065087	4.429E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D30222	1.8 %	0.0181178 ± 0.0007011	0.0032712 ± 0.0297077	0.0640538 ± 0.0262573	0.0119481 ± 0.0247125	5.2442504 ± 0.0966722
14D30224	1.9 %	0.0181253 ± 0.0007011	0.0062996 ± 0.0297077	0.0739135 ± 0.0262573	0.0090674 ± 0.0247125	5.2650545 ± 0.0966722
14D30225	2.0 %	0.0181009 ± 0.0007011	0.0071554 ± 0.0297077	0.0775662 ± 0.0262573	0.0080441 ± 0.0247125	5.2624232 ± 0.0966722
14D30226	2.1 %	0.0180656 ± 0.0007011	0.0076227 ± 0.0297077	0.0802137 ± 0.0262573	0.0073401 ± 0.0247125	5.2535614 ± 0.0966722
14D30228	2.2 %	0.0179642 ± 0.0007011	0.0079133 ± 0.0297077	0.0839735 ± 0.0262573	0.0064801 ± 0.0247125	5.2201361 ± 0.0966722
14D30229	2.4 %	0.0179072 ± 0.0007011	0.0078564 ± 0.0297077	0.0851401 ± 0.0262573	0.0063002 ± 0.0247125	5.1990162 ± 0.0966722
14D30230	2.6 %	0.0178429 ± 0.0007011	0.0077380 ± 0.0297077	0.0860752 ± 0.0262573	0.0062362 ± 0.0247125	5.1738559 ± 0.0966722
14D30232	2.8 %	0.0177202 ± 0.0007011	0.0075578 ± 0.0297077	0.0872652 ± 0.0262573	0.0063928 ± 0.0247125	5.1225105 ± 0.0966722
14D30233	3.0 %	0.0176654 ± 0.0007011	0.0075778 ± 0.0297077	0.0876969 ± 0.0262573	0.0065557 ± 0.0247125	5.0980238 ± 0.0966722
14D30234	3.2 %	0.0176111 ± 0.0007011	0.0077277 ± 0.0297077	0.0881534 ± 0.0262573	0.0067689 ± 0.0247125	5.0726016 ± 0.0966722
14D30236	3.4 %	0.0175298 ± 0.0007011	0.0084523 ± 0.0297077	0.0891630 ± 0.0262573	0.0072012 ± 0.0247125	5.0308926 ± 0.0966722
14D30237	3.6 %	0.0174980 ± 0.0007011	0.0091248 ± 0.0297077	0.0898874 ± 0.0262573	0.0074278 ± 0.0247125	5.0121438 ± 0.0966722
14D30238	3.9 %	0.0174773 ± 0.0007011	0.0099327 ± 0.0297077	0.0907069 ± 0.0262573	0.0076183 ± 0.0247125	4.9977290 ± 0.0966722
14D30240	4.2 %	0.0174622 ± 0.0007011	0.0121933 ± 0.0297077	0.0929555 ± 0.0262573	0.0079261 ± 0.0247125	4.9777002 ± 0.0966722
14D30241	4.5 %	0.0174696 ± 0.0007011	0.0136601 ± 0.0297077	0.0944319 ± 0.0262573	0.0080279 ± 0.0247125	4.9729930 ± 0.0966722
14D30242	4.8 %	0.0174856 ± 0.0007011	0.0151700 ± 0.0297077	0.0959789 ± 0.0262573	0.0080834 ± 0.0247125	4.9722086 ± 0.0966722
14D30244	5.1 %	0.0175451 ± 0.0007011	0.0186925 ± 0.0297077	0.0997110 ± 0.0262573	0.0080838 ± 0.0247125	4.9813688 ± 0.0966722
14D30245	5.4 %	0.0175850 ± 0.0007011	0.0205001 ± 0.0297077	0.1016999 ± 0.0262573	0.0080353 ± 0.0247125	4.9906748 ± 0.0966722
14D30246	5.8 %	0.0176350 ± 0.0007011	0.0224847 ± 0.0297077	0.1039493 ± 0.0262573	0.0079561 ± 0.0247125	5.0040078 ± 0.0966722
14D30248	6.2 %	0.0177460 ± 0.0007011	0.0261647 ± 0.0297077	0.1083551 ± 0.0262573	0.0077645 ± 0.0247125	5.0376647 ± 0.0966722
14D30249	6.8 %	0.0178031 ± 0.0007011	0.0277520 ± 0.0297077	0.1103951 ± 0.0262573	0.0076776 ± 0.0247125	5.0566820 ± 0.0966722
14D30250	7.4 %	0.0178652 ± 0.0007011	0.0292446 ± 0.0297077	0.1124533 ± 0.0262573	0.0076082 ± 0.0247125	5.0785909 ± 0.0966722
14D30252	8.3 %	0.0179723 ± 0.0007011	0.0310866 ± 0.0297077	0.1155319 ± 0.0262573	0.0076158 ± 0.0247125	5.1200561 ± 0.0966722
14D30253	9.5 %	0.0180212 ± 0.0007011	0.0314106 ± 0.0297077	0.1166177 ± 0.0262573	0.0077368 ± 0.0247125	5.1414521 ± 0.0966722
14D30254	11.0 %	0.0180572 ± 0.0007011	0.0311698 ± 0.0297077	0.1171271 ± 0.0262573	0.0079512 ± 0.0247125	5.1594256 ± 0.0966722
14D30256	13.0 %	0.0180920 ± 0.0007011	0.0285884 ± 0.0297077	0.1162096 ± 0.0262573	0.0088217 ± 0.0247125	5.1874216 ± 0.0966722
14D30257	15.5 %	0.0180817 ± 0.0007011	0.0258960 ± 0.0297077	0.1144080 ± 0.0262573	0.0095636 ± 0.0247125	5.1945987 ± 0.0966722
14D30259	18.5 %	0.0179941 ± 0.0007011	0.0179194 ± 0.0297077	0.1080451 ± 0.0262573	0.0116088 ± 0.0247125	5.1888180 ± 0.0966722
14D30260	21.5 %	0.0179016 ± 0.0007011	0.0116970 ± 0.0297077	0.1026408 ± 0.0262573	0.0131572 ± 0.0247125	5.1726132 ± 0.0966722
14D30262	24.5 %	0.0176126 ± 0.0007011	0.0047450 ± 0.0297077	0.0875509 ± 0.0262573	0.0172047 ± 0.0247125	5.1082495 ± 0.0966722

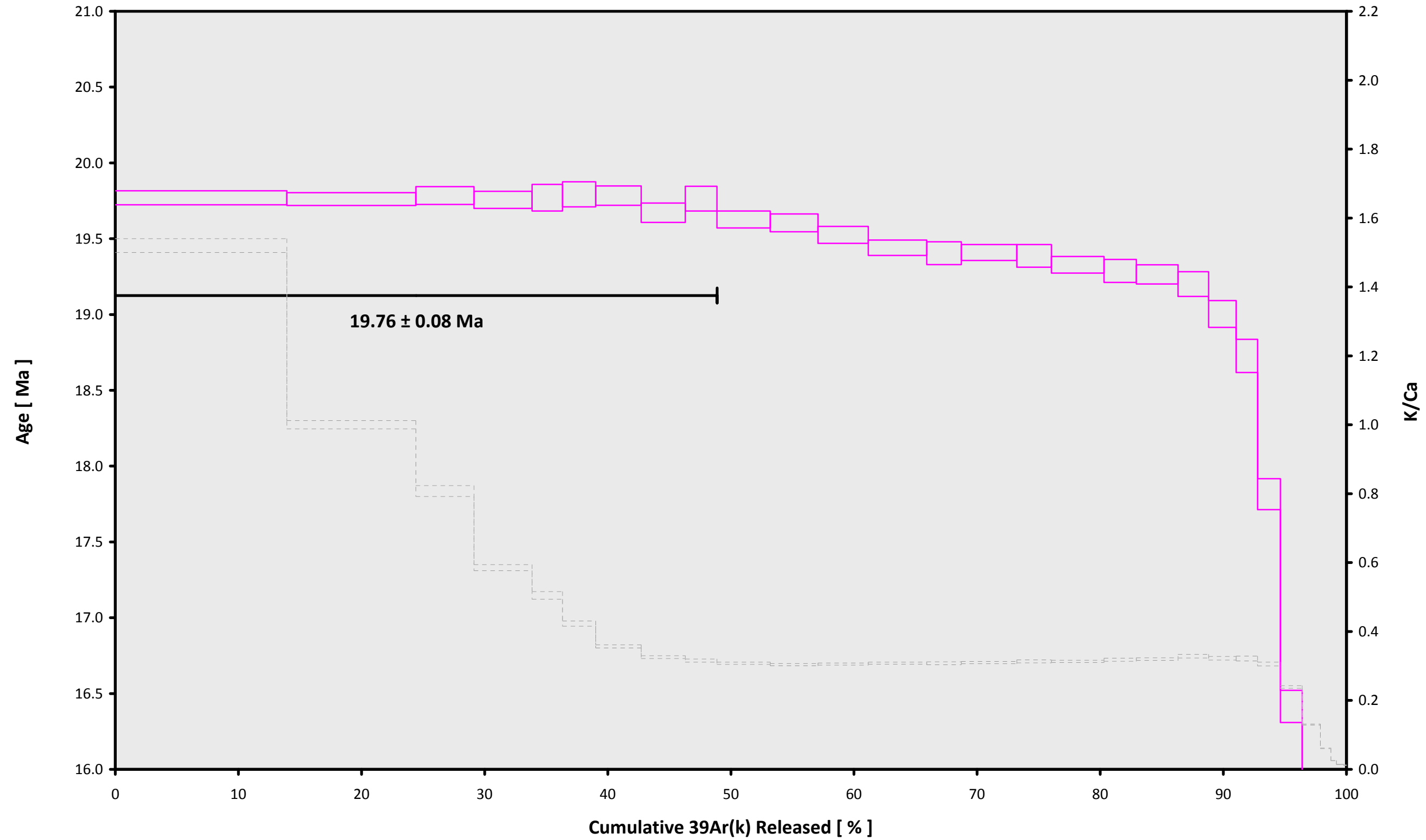
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D30222	1.8 %	0.7797071 ± 0.0020574	0.6764	EXP 150 of 150	7.520962 ± 0.030080	0.6143	EXP 150 of 150	7.9802946 ± 0.0293714	0.6411	EXP 150 of 150	165.3762340 ± 0.0359450	0.9989	EXP 150 of 150	1324.680131 ± 0.084997	0.9997	EXP 150 of 150
14D30224	1.9 %	0.3661824 ± 0.0013444	0.0751	EXP 150 of 150	8.581282 ± 0.028173	0.7336	EXP 150 of 150	5.4893608 ± 0.0271350	0.5605	EXP 150 of 150	124.2580630 ± 0.0338654	0.9983	EXP 150 of 150	925.066125 ± 0.077189	0.9994	EXP 150 of 150
14D30225	2.0 %	0.1488840 ± 0.0009828	0.2448	EXP 150 of 150	4.779908 ± 0.032008	0.4014	EXP 150 of 150	2.2585370 ± 0.0269452	0.1377	EXP 150 of 150	55.9596004 ± 0.0297381	0.9933	EXP 150 of 150	411.413013 ± 0.049407	0.9959	EXP 150 of 150
14D30226	2.1 %	0.1307984 ± 0.0008166	0.3701	EXP 149 of 150	6.615931 ± 0.031863	0.5616	EXP 150 of 150	1.9248646 ± 0.0263048	0.1115	EXP 150 of 150	56.1320869 ± 0.0325147	0.9922	EXP 150 of 150	405.432601 ± 0.053611	0.9956	EXP 150 of 150
14D30228	2.2 %	0.0749168 ± 0.0006897	0.5265	EXP 150 of 150	4.000752 ± 0.028843	0.3541	EXP 149 of 150	0.8253151 ± 0.0262621	0.0001	EXP 150 of 150	29.3078617 ± 0.0268752	0.9802	EXP 150 of 150	213.446424 ± 0.047138	0.0126	EXP 150 of 150
14D30229	2.4 %	0.0724687 ± 0.0007113	0.5785	EXP 149 of 150	5.225050 ± 0.028705	0.5384	EXP 149 of 150	0.8386149 ± 0.0270137	0.0869	EXP 150 of 150	32.0579117 ± 0.0289028	0.9810	EXP 150 of 150	230.350053 ± 0.047134	0.8652	EXP 149 of 150
14D30230	2.6 %	0.0803907 ± 0.0006722	0.5973	EXP 150 of 150	8.448829 ± 0.031002	0.6793	EXP 150 of 150	0.8703783 ± 0.0255396	0.0217	EXP 148 of 150	43.7149479 ± 0.0311703	0.9881	EXP 150 of 150	307.689312 ± 0.046441	0.9921	EXP 150 of 150
14D30232	2.8 %	0.0737674 ± 0.0006551	0.5688	EXP 149 of 150	8.998194 ± 0.030837	0.7472	EXP 150 of 150	0.6625658 ± 0.0262450	0.0072	EXP 150 of 150	42.5038496 ± 0.0289102	0.9893	EXP 150 of 150	295.772782 ± 0.046045	0.9925	EXP 150 of 150
14D30233	3.0 %	0.0537171 ± 0.0006106	0.6543	EXP 150 of 150	6.698514 ± 0.029669	0.6550	EXP 150 of 150	0.4609410 ± 0.0268967	0.0751	EXP 150 of 150	30.6724927 ± 0.0272997	0.9815	EXP 150 of 150	214.328616 ± 0.040456	0.9304	EXP 149 of 150
14D30234	3.2 %	0.0672337 ± 0.0007332	0.6046	EXP 150 of 150	11.483791 ± 0.030987	0.8124	EXP 150 of 150	0.6209165 ± 0.0268042	0.0028	EXP 150 of 150	51.2799594 ± 0.0276483	0.9930	EXP 150 of 150	349.051391 ± 0.050637	0.9962	EXP 150 of 150
14D30236	3.4 %	0.0585489 ± 0.0006468	0.6800	EXP 150 of 150	10.420987 ± 0.027813	0.8226	EXP 150 of 150	0.5406156 ± 0.0264496	0.0126	EXP 150 of 150	45.9939559 ± 0.0278199	0.9914	EXP 150 of 150	312.066716 ± 0.043632	0.9961	EXP 150 of 150
14D30237	3.6 %	0.0569172 ± 0.0006209	0.6712	EXP 150 of 150	10.959875 ± 0.029292	0.8002	EXP 150 of 150	0.5510234 ± 0.0279692	0.0096	EXP 150 of 150	48.6226222 ± 0.0276951	0.9925	EXP 150 of 150	327.108504 ± 0.051778	0.9955	EXP 150 of 150
14D30238	3.9 %	0.0620372 ± 0.0005882	0.6941	EXP 149 of 150	12.594762 ± 0.031937	0.8360	EXP 150 of 150	0.6412801 ± 0.0262754	0.0221	EXP 149 of 150	56.3685155 ± 0.0301201	0.9934	EXP 150 of 150	376.499061 ± 0.049223	0.9977	EXP 150 of 150
14D30240	4.2 %	0.0440918 ± 0.0005868	0.6946	EXP 150 of 150	7.431426 ± 0.030274	0.6514	EXP 150 of 150	0.3782117 ± 0.0262834	0.0247	EXP 150 of 150	33.2609270 ± 0.0279460	0.9835	EXP 150 of 150	223.911680 ± 0.044513	0.9819	EXP 150 of 150
14D30241	4.5 %	0.0558490 ± 0.0006042	0.6774	EXP 150 of 150	11.897588 ± 0.030003	0.8289	EXP 150 of 150	0.6132963 ± 0.0255303	0.0322	EXP 149 of 150	53.5887625 ± 0.0300482	0.9925	EXP 150 of 150	356.398180 ± 0.053651	0.9970	EXP 150 of 150
14D30242	4.8 %	0.0400355 ± 0.0005714	0.6517	EXP 150 of 150	7.300207 ± 0.030381	0.6136	EXP 150 of 150	0.3683469 ± 0.0276551	0.0285	EXP 150 of 150	33.2876615 ± 0.0274122	0.9835	EXP 150 of 150	222.680589 ± 0.042064	0.9850	EXP 150 of 150
14D30244	5.1 %	0.0473292 ± 0.0005618	0.7529	EXP 150 of 150	11.123578 ± 0.032179	0.8063	EXP 150 of 150	0.5686304 ± 0.0267536	0.0364	EXP 150 of 150	50.7281876 ± 0.0323695	0.9908	EXP 150 of 150	334.303103 ± 0.052225	0.9967	EXP 150 of 150
14D30245	5.4 %	0.0368443 ± 0.0004557	0.7926	EXP 150 of 150	6.720260 ± 0.028056	0.5812	EXP 150 of 150	0.2726782 ± 0.0288746	0.0001	EXP 150 of 150	31.1706697 ± 0.0264216	0.9830	EXP 150 of 150	207.306248 ± 0.039362	0.9833	EXP 150 of 150
14D30246	5.8 %	0.0411924 ± 0.0005608	0.7474	EXP 150 of 150	8.638103 ± 0.026126	0.7559	EXP 150 of 150	0.4498809 ± 0.0252697	0.0208	EXP 150 of 150	40.2667802 ± 0.0286399	0.9882	EXP 150 of 150	265.644276 ± 0.047988	0.9935	EXP 150 of 150
14D30248	6.2 %	0.0369272 ± 0.0005221	0.7148	EXP 150 of 150	6.159140 ± 0.031808	0.4778	EXP 150 of 150	0.3081570 ± 0.0262421	0.0202	EXP 150 of 150	29.5295046 ± 0.0283860	0.9793	EXP 150 of 150	196.241479 ± 0.042240	0.9794	EXP 150 of 150
14D30249	6.8 %	0.0358592 ± 0.0005013	0.7075	EXP 150 of 150	5.624378 ± 0.027389	0.6014	EXP 149 of 150	0.3103734 ± 0.0262195	0.0488	EXP 150 of 150	26.4996490 ± 0.0273395	0.9739	EXP 150 of 150	175.107654 ± 0.042991	0.9526	EXP 150 of 150
14D30250	7.4 %	0.0333831 ± 0.0004898	0.6917	EXP 150 of 150	4.374542 ± 0.033586	0.4174	EXP 150 of 150	0.1780093 ± 0.0272855	0.0004	EXP 150 of 150	20.5862913 ± 0.0264846	0.9613	EXP 150 of 150	135.753295 ± 0.035991	0.0207	EXP 150 of 150
14D30252	8.3 %	0.0368519 ± 0.0005439	0.6436	EXP 150 of 150	4.938517 ± 0.027143	0.5333	EXP 150 of 150	0.2244450 ± 0.0279918	0.0001	EXP 150 of 150	22.0726067 ± 0.0257119	0.9670	EXP 150 of 150	139.075974 ± 0.041410	0.6478	EXP 150 of 150
14D30253	9.5 %	0.0383887 ± 0.0005255	0.5862	EXP 150 of 150	5.981426 ± 0.027312	0.6176	EXP 150 of 150	0.2603310 ± 0.0245358	0.0132	EXP 150 of 150	20.9194770 ± 0.0292535	0.9526	EXP 150 of 150	122.427709 ± 0.038837	0.2931	EXP 150 of 150
14D30254	11.0 %	0.0451328 ± 0.0005113	0.5748	EXP 149 of 150	9.267236 ± 0.031640	0.7379	EXP 150 of 150	0.2549995 ± 0.0276349	0.0132	EXP 150 of 150	17.5834418 ± 0.0274682	0.9418	EXP 150 of 150	92.416886 ± 0.036653	0.9542	EXP 150 of 150
14D30256	13.0 %	0.0461849 ± 0.0004823	0.5717	EXP 149 of 150	11.429145 ± 0.030612	0.8245	EXP 150 of 150	0.1611057 ± 0.0284652	0.0042	EXP 150 of 150	10.1737533 ± 0.0258618	0.8725	EXP 150 of 150	45.444118 ± 0.029376	0.9939	EXP 150 of 150
14D30257	15.5 %	0.0480892 ± 0.0005609	0.4773	EXP 150 of 150	14.603891 ± 0.028659	0.8879	EXP 150 of 150	0.0393093 ± 0.0254680	0.0029	EXP 150 of 150	5.4561606 ± 0.0234860	0.6143	EXP 150 of 150	24.127549 ± 0.031179	0.9957	EXP 150 of 150
14D30259	18.5 %	0.0578334 ± 0.0005997	0.3615	EXP 149 of 150	21.132276 ± 0.027931	0.9491	EXP 149 of 150	0.0342671 ± 0.0295753	0.0017	EXP 150 of 150	4.4378409 ± 0.0238362	0.4572	EXP 150 of 150	19.319571 ± 0.027350	0.9968	EXP 150 of 150
14D30260	21.5 %	0.0402223 ± 0.0005620	0.4995	EXP 150 of 150	12.599123 ± 0.028517	0.8701	EXP 150 of 150	0.0107481 ± 0.0272261	0.0015	EXP 150 of 150	2.6704048 ± 0.0250710	0.3185	EXP 150 of 150	13.977739 ± 0.028342	0.9968	EXP 150 of 150
14D30262	24.5 %	0.0450062 ± 0.0005084	0.4268	EXP 150 of 150	15.052915 ± 0.030644	0.8790	EXP 150 of 150	0.0128214 ± 0.0269119	0.0008	EXP 150 of 150	2.6724798 ± 0.0262829	0.1573	EXP 150 of 150	14.360337 ± 0.028503	0.9966	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D30222	1.8 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30224	1.9 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30225	2.0 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30226	2.1 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30228	2.2 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30229	2.4 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30230	2.6 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30232	2.8 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30233	3.0 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30234	3.2 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30236	3.4 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30237	3.6 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30238	3.9 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30240	4.2 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30241	4.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30242	4.8 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30244	5.1 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30245	5.4 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30246	5.8 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30248	6.2 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30249	6.8 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30250	7.4 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30252	8.3 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30253	9.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30254	11.0 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30256	13.0 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30257	15.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30259	18.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30260	21.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	01
14D30262	24.5 %	Susan Schnur	14-OSU-04	0.00	0.00	20.83	Walvis Ridge\MV1203 (13-INT-04)	14D30221	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	
14D30222	1.8 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	9	50	1
14D30224	1.9 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	10	15	1
14D30225	2.0 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	10	28	1
14D30226	2.1 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	10	40	1
14D30228	2.2 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	11	5	1
14D30229	2.4 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	11	17	1
14D30230	2.6 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	11	30	1
14D30232	2.8 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	11	55	1
14D30233	3.0 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	12	7	1
14D30234	3.2 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	12	20	1
14D30236	3.4 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	12	44	1
14D30237	3.6 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	12	57	1
14D30238	3.9 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	13	9	1
14D30240	4.2 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	13	34	1
14D30241	4.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	13	47	1
14D30242	4.8 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	13	59	1
14D30244	5.1 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	14	24	1
14D30245	5.4 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	14	36	1
14D30246	5.8 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	14	49	1
14D30248	6.2 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	15	14	1
14D30249	6.8 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	15	26	1
14D30250	7.4 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	15	39	1
14D30252	8.3 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	16	3	1
14D30253	9.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	16	16	1
14D30254	11.0 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	16	28	1
14D30256	13.0 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	16	53	1
14D30257	15.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	17	6	1
14D30259	18.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	17	30	1
14D30260	21.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	17	43	1
14D30262	24.5 %	MV1203-D51-10	Groundmass	RSA Guyot	FCT-NM (4B12-14)	28.201	0.082	Kuiper et al (2008)	9.29596	0.206	0.00169078	0.206	303.556	0.172	0.99335673	0.072	1	4.8E-14	6	NOV	2014	18	8	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
14D30222	1.8%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30224	1.9%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30225	2.0%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30226	2.1%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30228	2.2%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30229	2.4%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30230	2.6%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30232	2.8%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30233	3.0%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30234	3.2%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30236	3.4%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30237	3.6%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30238	3.9%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30240	4.2%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30241	4.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30242	4.8%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30244	5.1%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30245	5.4%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30246	5.8%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30248	6.2%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30249	6.8%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30250	7.4%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30252	8.3%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30253	9.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30254	11.0%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30256	13.0%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30257	15.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30259	18.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30260	21.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30262	24.5%	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

14D30221.AGE >>> MV1203-D51-10 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

19.76 ± 0.08

TOTAL FUSION

19.21 ± 0.08

NORMAL ISOCHRON

19.73 ± 0.10

INVERSE ISOCHRON

19.74 ± 0.09

MSWD (PROBABILITY)

1.24 (27%)

Sample Info

Groundmass

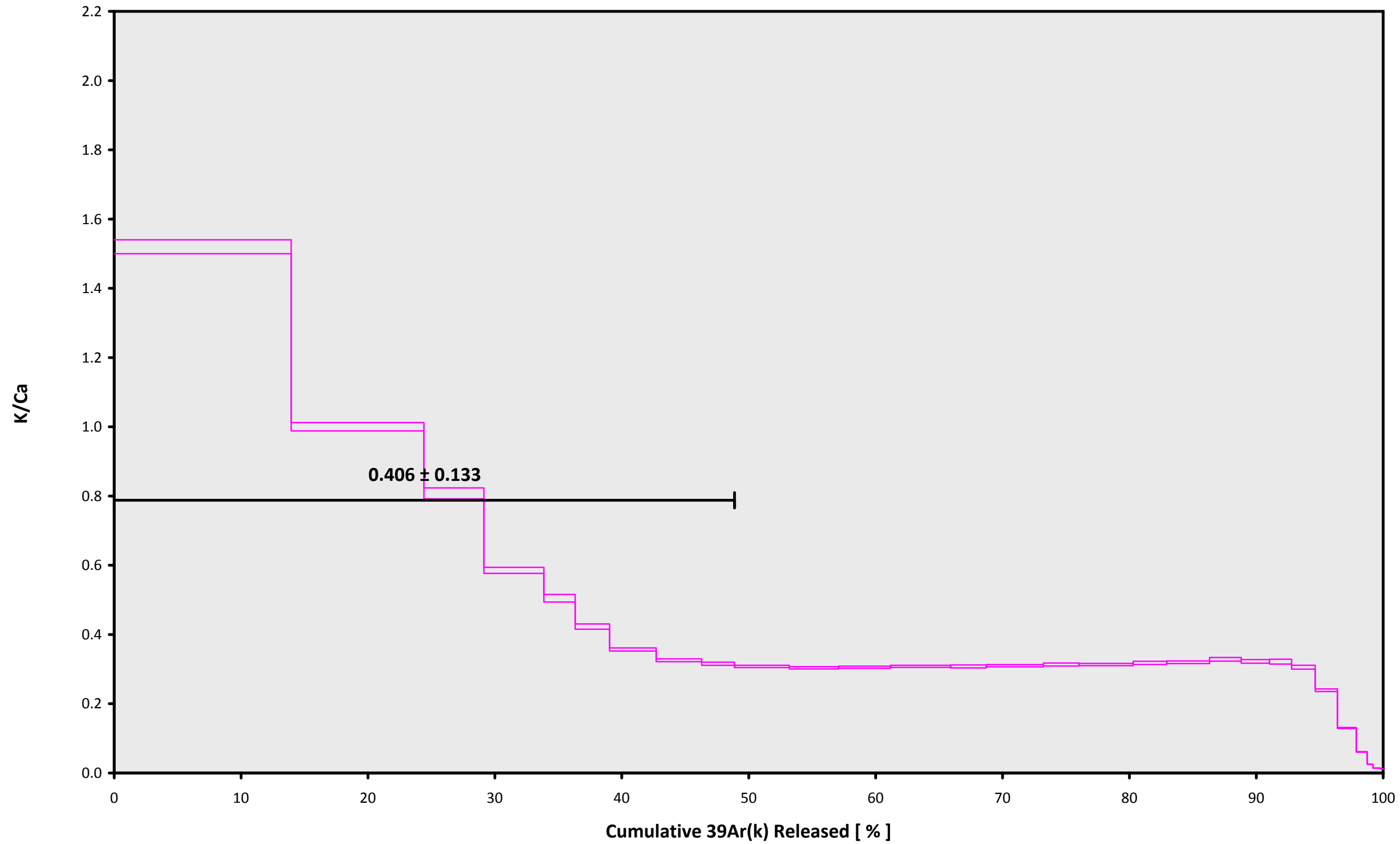
RSA Guyot

Susan Schnur

IRR = 14-OSU-04 (4B12-14)

J = $0.00169078 \pm 0.00000348$

14D30221.AGE >>> MV1203-D51-10 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

19.76 ± 0.08

TOTAL FUSION

19.21 ± 0.08

NORMAL ISOCHRON

19.73 ± 0.10

INVERSE ISOCHRON

19.74 ± 0.09

Sample Info

Groundmass

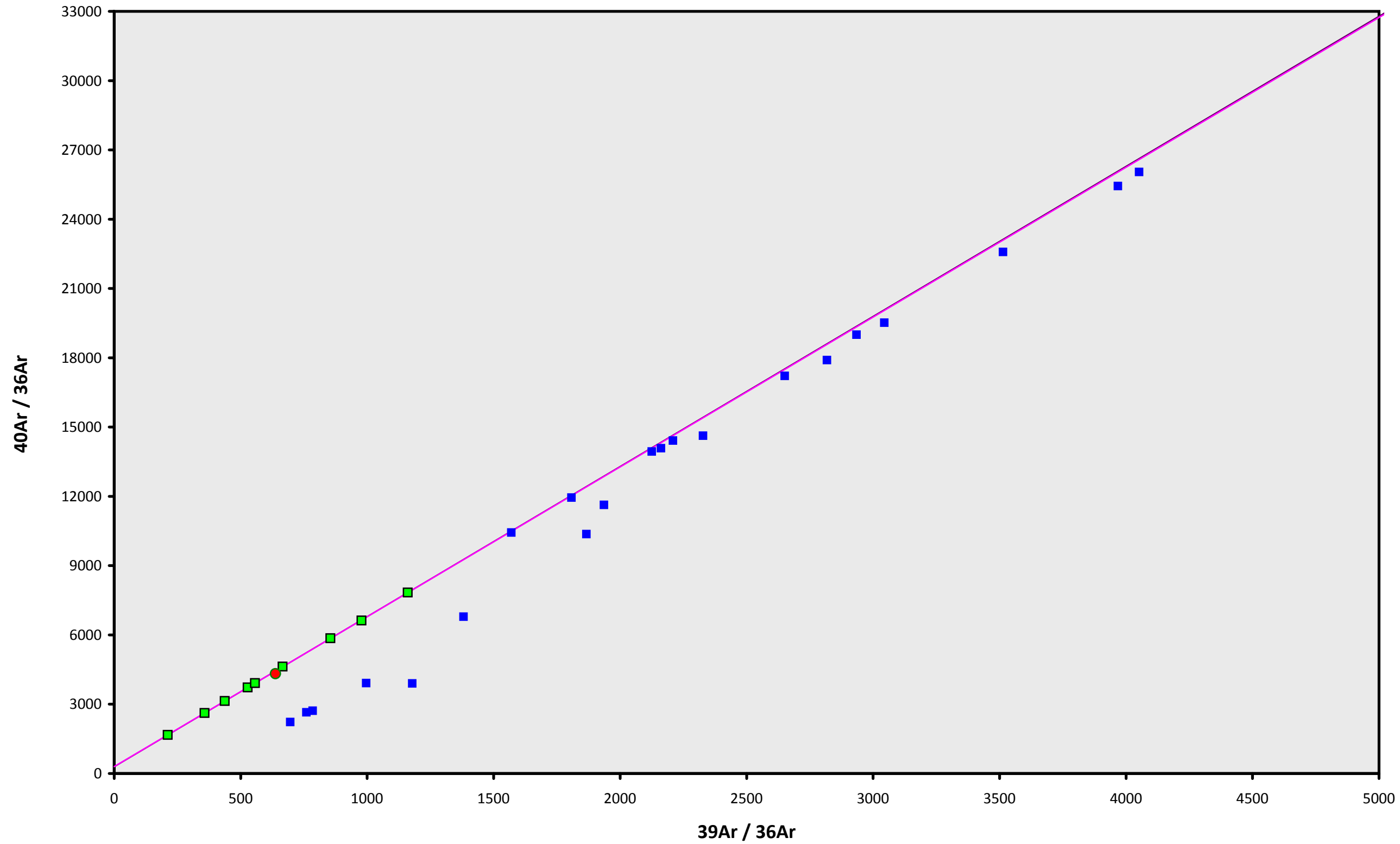
RSA Guyot

Susan Schnur

IRR = 14-OSU-04 (4B12-14)

J = $0.00169078 \pm 0.00000348$

14D30221.AGE >>> MV1203-D51-10 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

19.76 ± 0.08

TOTAL FUSION

19.21 ± 0.08

NORMAL ISOCHRON

19.73 ± 0.10

INVERSE ISOCHRON

19.74 ± 0.09

MSWD (PROBABILITY)

1.42 (19%)

40AR/36AR INTERCEPT

299.6 ± 6.2

Sample Info

Groundmass

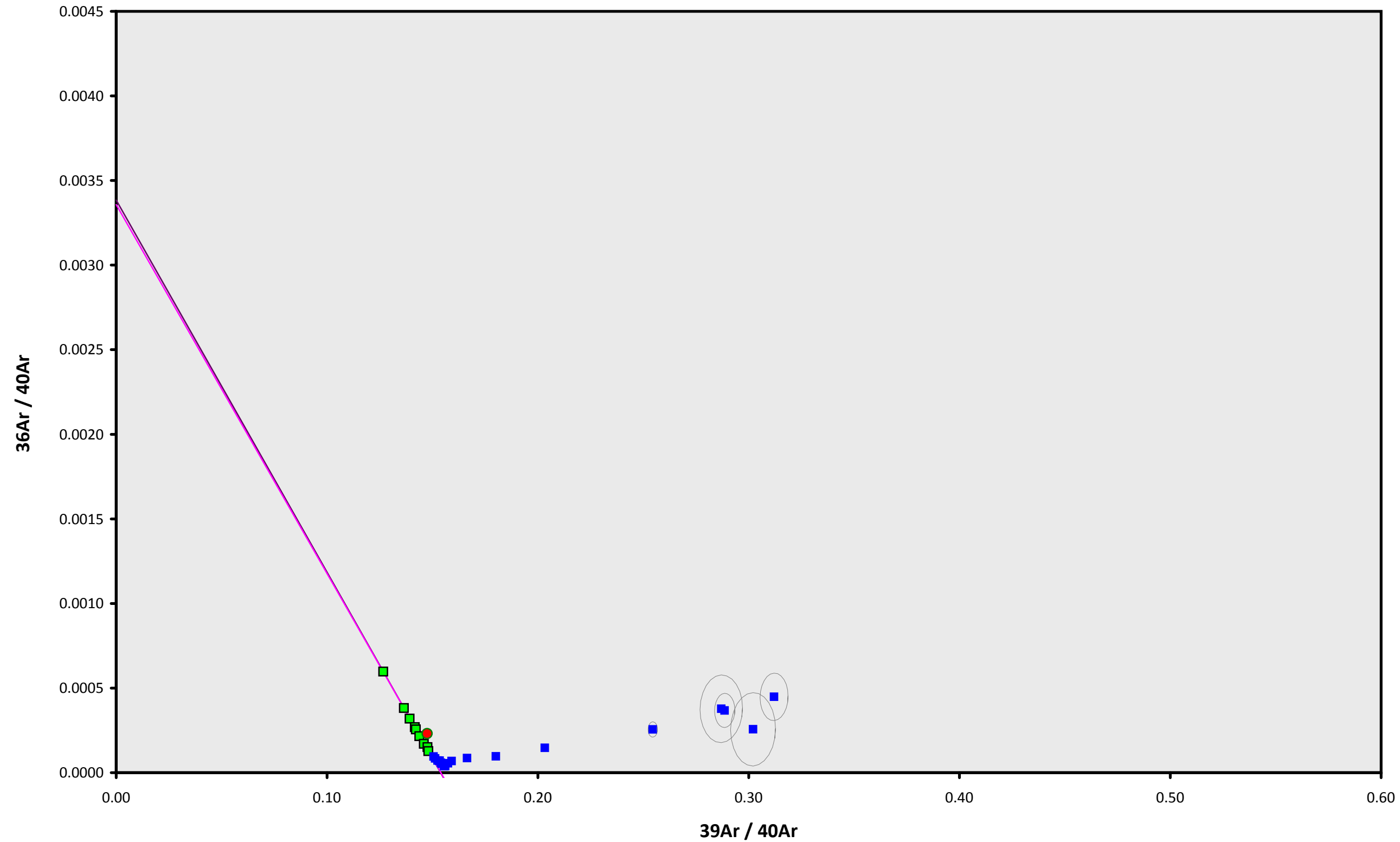
RSA Guyot

Susan Schnur

IRR = 14-OSU-04 (4B12-14)

$J = 0.00169078 \pm 0.00000348$

14D30221.AGE >>> MV1203-D51-10 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

19.76 ± 0.08

TOTAL FUSION

19.21 ± 0.08

NORMAL ISOCHRON

19.73 ± 0.10

INVERSE ISOCHRON

19.74 ± 0.09

MSWD (PROBABILITY)

1.30 (25%)

SPREADING FACTOR

13.9%

40AR/36AR INTERCEPT

297.8 ± 6.0

Sample Info

Groundmass

RSA Guyot

Susan Schnur

IRR = 14-OSU-04 (4B12-14)

J = $0.00169078 \pm 0.00000348$