

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
13D05039	1.8 %	0.0279936	2.846	8.11230	11.200	1.154321	3.339	93.1621	0.078	292.216	0.043	3.05108 ± 0.00761	9.59 ± 0.02	97.27	1.35	4.94 ± 1.11
13D05041	2.0 %	0.0219789	3.677	9.98653	8.944	1.249840	3.050	104.3550	0.074	318.353	0.040	2.99234 ± 0.00695	9.41 ± 0.02	98.08	1.52	4.49 ± 0.80
13D05042	2.2 %	0.0234994	3.664	11.34347	7.703	1.664489	2.329	141.8277	0.069	426.997	0.031	2.96434 ± 0.00584	9.32 ± 0.02	98.46	2.06	5.38 ± 0.83
13D05043	2.4 %	✓ 0.0201727	3.880	10.50772	8.203	1.507369	2.427	127.6892	0.072	382.920	0.033	2.95498 ± 0.00602	9.29 ± 0.02	98.53	1.86	5.23 ± 0.86
13D05045	2.7 %	✓ 0.0307890	3.043	22.60885	4.014	3.464564	1.085	289.2382	0.065	862.807	0.016	2.95406 ± 0.00444	9.29 ± 0.01	99.02	4.21	5.50 ± 0.44
13D05046	3.0 %	✓ 0.0319688	2.832	28.72604	3.003	4.463933	0.821	373.9173	0.064	1112.784	0.013	2.95313 ± 0.00414	9.29 ± 0.01	99.23	5.44	5.60 ± 0.34
13D05047	3.3 %	✓ 0.0265595	3.152	24.65451	3.622	3.824281	0.985	323.5008	0.064	963.373	0.014	2.95603 ± 0.00422	9.30 ± 0.01	99.26	4.70	5.64 ± 0.41
13D05049	3.6 %	✓ 0.0322491	2.714	29.42655	3.003	4.647695	0.810	387.5677	0.064	1154.260	0.012	2.95593 ± 0.00409	9.30 ± 0.01	99.25	5.64	5.66 ± 0.34
13D05050	3.9 %	✓ 0.0271409	3.145	27.49566	3.206	4.507794	0.865	380.3604	0.064	1131.230	0.012	2.95502 ± 0.00410	9.29 ± 0.01	99.35	5.53	5.95 ± 0.38
13D05051	4.2 %	✓ 0.0290949	2.930	29.79230	2.883	4.799069	0.794	401.5376	0.064	1195.662	0.011	2.95846 ± 0.00407	9.30 ± 0.01	99.35	5.84	5.80 ± 0.33
13D05053	4.5 %	✓ 0.0315724	2.880	34.16807	2.590	5.691914	0.678	474.3460	0.064	1411.949	0.010	2.95894 ± 0.00400	9.30 ± 0.01	99.40	6.90	5.97 ± 0.31
13D05054	4.9 %	✓ 0.0298184	2.822	32.89990	2.604	5.391593	0.679	448.5266	0.064	1335.314	0.011	2.95956 ± 0.00399	9.31 ± 0.01	99.41	6.52	5.86 ± 0.31
13D05055	5.3 %	✓ 0.0282733	3.140	30.81927	2.868	4.796050	0.768	405.1915	0.064	1205.854	0.012	2.95770 ± 0.00407	9.30 ± 0.01	99.38	5.89	5.65 ± 0.32
13D05057	5.7 %	✓ 0.0230740	3.550	26.89513	3.169	4.319537	0.972	364.7122	0.064	1085.610	0.013	2.96005 ± 0.00413	9.31 ± 0.01	99.44	5.30	5.83 ± 0.37
13D05058	6.1 %	✓ 0.0174422	4.626	21.74456	4.120	3.464098	1.060	289.9663	0.065	861.592	0.016	2.95580 ± 0.00430	9.29 ± 0.01	99.47	4.22	5.73 ± 0.47
13D05059	6.5 %	0.0232460	3.399	23.22000	3.839	3.719973	0.994	305.1074	0.065	906.944	0.015	2.95236 ± 0.00424	9.28 ± 0.01	99.32	4.44	5.65 ± 0.43
13D05061	6.9 %	0.0192389	4.123	18.33683	4.622	2.616627	1.457	218.9861	0.066	650.869	0.020	2.94917 ± 0.00465	9.27 ± 0.01	99.22	3.18	5.13 ± 0.47
13D05062	7.3 %	0.0223164	3.397	22.04690	3.879	2.986794	1.262	243.3343	0.066	719.674	0.019	2.93396 ± 0.00446	9.23 ± 0.01	99.20	3.54	4.75 ± 0.37
13D05063	7.7 %	0.0241103	3.386	23.00974	3.802	3.037690	1.255	248.4327	0.065	733.734	0.019	2.92843 ± 0.00447	9.21 ± 0.01	99.15	3.61	4.64 ± 0.35
13D05065	8.1 %	0.0327035	2.568	23.95703	3.808	2.846425	1.289	232.2099	0.066	685.737	0.019	2.91599 ± 0.00460	9.17 ± 0.01	98.74	3.38	4.17 ± 0.32
13D05066	8.5 %	0.0258972	3.237	14.34893	6.085	1.849789	2.142	151.5258	0.068	450.704	0.029	2.92776 ± 0.00551	9.21 ± 0.02	98.42	2.20	4.54 ± 0.55
13D05067	9.0 %	0.0333472	2.609	18.14153	4.703	1.719552	2.241	138.1070	0.070	408.198	0.031	2.89111 ± 0.00590	9.09 ± 0.02	97.81	2.01	3.27 ± 0.31
13D05069	9.5 %	0.0432294	2.068	15.37427	5.718	1.695045	2.277	135.3791	0.069	408.242	0.031	2.92655 ± 0.00603	9.20 ± 0.02	97.04	1.97	3.79 ± 0.43
13D05070	10.3 %	0.0624165	1.516	20.46147	4.543	1.946405	1.921	154.9643	0.069	467.298	0.028	2.90336 ± 0.00572	9.13 ± 0.02	96.27	2.25	3.26 ± 0.30
13D05071	11.1 %	0.0538935	1.669	15.05652	5.750	1.515653	2.484	119.6608	0.072	362.998	0.036	2.90684 ± 0.00657	9.14 ± 0.02	95.81	1.74	3.42 ± 0.39
13D05073	11.9 %	0.0495061	1.750	13.62450	6.666	1.288919	2.864	103.1138	0.076	313.497	0.040	2.90529 ± 0.00721	9.14 ± 0.02	95.55	1.50	3.25 ± 0.43
13D05074	13.0 %	0.0428295	2.013	10.66477	8.164	0.974624	3.884	76.6883	0.082	234.198	0.054	2.89630 ± 0.00900	9.11 ± 0.03	94.83	1.12	3.09 ± 0.50
13D05075	14.3 %	0.0400035	2.216	8.63631	9.835	0.845912	4.321	62.1967	0.087	191.641	0.066	2.89864 ± 0.01083	9.12 ± 0.03	94.07	0.90	3.10 ± 0.61
13D05077	16.0 %	0.0340614	2.432	7.02797	12.191	0.554036	6.959	44.0397	0.105	137.179	0.090	2.89542 ± 0.01421	9.11 ± 0.04	92.94	0.64	2.69 ± 0.66
13D05078	18.0 %	0.0212268	3.638	4.00628	21.850	0.301401	13.802	20.6670	0.189	65.750	0.186	2.88989 ± 0.02812	9.09 ± 0.09	90.82	0.30	2.22 ± 0.97
13D05080	21.0 %	0.0171749	4.436	2.79645	33.038	0.242213	15.904	16.1406	0.236	51.851	0.236	2.90836 ± 0.03576	9.15 ± 0.11	90.52	0.23	2.48 ± 1.64
Σ		0.9468282	0.498	589.89038	0.830	83.087603	0.255	6876.4518	0.014	20529.435	0.004					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D42-17 (LIGHT)**
Material = **Groundmass**
Location = **Esk Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = X: | Y: | Z/H: **21.95 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.01513 ± 0.01154**
FCT-NM J-value = **0.00174345 ± 0.00000223**
Air Shot 40Ar/36Ar = **302.8040 ± 0.2786**
Air Shot MDF = **0.99396190 ± 0.00062105 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10023**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **38°41.2'S - 11°48.1'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		2.95679 ± 0.00131 ± 0.04%	9.30 ± 0.02 ± 0.26% Full External Error ± 0.21 Analytical Error ± 0.00	1.16 31%	62.05 12	5.75 ± 0.11
Total Fusion Age		2.94789 ± 0.00093 ± 0.03%	9.27 ± 0.02 ± 0.26% Full External Error ± 0.21 Analytical Error ± 0.00		31	5.01 ± 0.08
Normal Isochron	225.19 ± 58.91 ± 26.16%	2.96095 ± 0.00365 ± 0.12%	9.31 ± 0.03 ± 0.28% Full External Error ± 0.21 Analytical Error ± 0.01	1.01 43%	62.05 12	
Inverse Isochron	243.29 ± 55.35 ± 22.75%	2.95983 ± 0.00362 ± 0.12%	9.31 ± 0.03 ± 0.28% Full External Error ± 0.21 Analytical Error ± 0.01	0.97 47%	62.05 12	
Notes				1.0000 4		
Light fraction is cleaner. Good plateau.				0.0002499818 1%		

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
13D05039	1.8 %	0.0258263	8.11230	0.0281446	93.1566	284.228	9.59 ± 0.02	97.27	1.35	4.94 ± 1.11
13D05041	2.0 %	0.0193195	9.98653	0.0000000	104.3482	312.245	9.41 ± 0.02	98.08	1.52	4.49 ± 0.80
13D05042	2.2 %	0.0204787	11.34347	0.0000000	141.8200	420.403	9.32 ± 0.02	98.46	2.06	5.38 ± 0.83
13D05043	2.4 %	✓ 0.0173745	10.50772	0.0000000	127.6821	377.298	9.29 ± 0.02	98.53	1.86	5.23 ± 0.86
13D05045	2.7 %	✓ 0.0247683	22.60885	0.0000000	289.2230	854.382	9.29 ± 0.01	99.02	4.21	5.50 ± 0.44
13D05046	3.0 %	✓ 0.0243191	28.72604	0.0000000	373.8979	1104.168	9.29 ± 0.01	99.23	5.44	5.60 ± 0.34
13D05047	3.3 %	✓ 0.0199940	24.65451	0.0000000	323.4841	956.228	9.30 ± 0.01	99.26	4.70	5.64 ± 0.41
13D05049	3.6 %	✓ 0.0244128	29.42655	0.0000000	387.5478	1145.564	9.30 ± 0.01	99.25	5.64	5.66 ± 0.34
13D05050	3.9 %	✓ 0.0198188	27.49566	0.0000000	380.3418	1123.919	9.29 ± 0.01	99.35	5.53	5.95 ± 0.38
13D05051	4.2 %	✓ 0.0211612	29.79230	0.0000000	401.5175	1187.874	9.30 ± 0.01	99.35	5.84	5.80 ± 0.33
13D05053	4.5 %	✓ 0.0224735	34.16807	0.0000000	474.3229	1403.495	9.30 ± 0.01	99.40	6.90	5.97 ± 0.31
13D05054	4.9 %	✓ 0.0210572	32.89990	0.0000000	448.5044	1327.377	9.31 ± 0.01	99.41	6.52	5.86 ± 0.31
13D05055	5.3 %	✓ 0.0200661	30.81927	0.0000000	405.1707	1198.375	9.30 ± 0.01	99.38	5.89	5.65 ± 0.32
13D05057	5.7 %	✓ 0.0159118	26.89513	0.0000000	364.6940	1079.514	9.31 ± 0.01	99.44	5.30	5.83 ± 0.37
13D05058	6.1 %	✓ 0.0116517	21.74456	0.0000000	289.9516	857.040	9.29 ± 0.01	99.47	4.22	5.73 ± 0.47
13D05059	6.5 %	0.0170515	23.22000	0.0445614	305.0917	900.739	9.28 ± 0.01	99.32	4.44	5.65 ± 0.43
13D05061	6.9 %	0.0143558	18.33683	0.0000000	218.9737	645.790	9.27 ± 0.01	99.22	3.18	5.13 ± 0.47
13D05062	7.3 %	0.0164319	22.04690	0.0547634	243.3194	713.889	9.23 ± 0.01	99.20	3.54	4.75 ± 0.37
13D05063	7.7 %	0.0179719	23.00974	0.0439729	248.4171	727.473	9.21 ± 0.01	99.15	3.61	4.64 ± 0.35
13D05065	8.1 %	0.0263124	23.95703	0.0462654	232.1937	677.074	9.17 ± 0.01	98.74	3.38	4.17 ± 0.32
13D05066	8.5 %	0.0220707	14.34893	0.0217435	151.5161	443.603	9.21 ± 0.02	98.42	2.20	4.54 ± 0.55
13D05067	9.0 %	0.0285034	18.14153	0.0515048	138.0947	399.247	9.09 ± 0.02	97.81	2.01	3.27 ± 0.31
13D05069	9.5 %	0.0391209	15.37427	0.0580085	135.3687	396.164	9.20 ± 0.02	97.04	1.97	3.79 ± 0.43
13D05070	10.3 %	0.0569503	20.46147	0.0700833	154.9504	449.877	9.13 ± 0.02	96.27	2.25	3.26 ± 0.30
13D05071	11.1 %	0.0498677	15.05652	0.0657352	119.6506	347.805	9.14 ± 0.02	95.81	1.74	3.42 ± 0.39
13D05073	11.9 %	0.0458683	13.62450	0.0389166	103.1046	299.549	9.14 ± 0.02	95.55	1.50	3.25 ± 0.43
13D05074	13.0 %	0.0399786	10.66477	0.0438365	76.6811	222.091	9.11 ± 0.03	94.83	1.12	3.09 ± 0.50
13D05075	14.3 %	0.0376814	8.63631	0.0900311	62.1908	180.269	9.12 ± 0.03	94.07	0.90	3.10 ± 0.61
13D05077	16.0 %	0.0321855	7.02797	0.0177309	44.0350	127.500	9.11 ± 0.04	92.94	0.64	2.69 ± 0.66
13D05078	18.0 %	0.0201479	4.00628	0.0487357	20.6643	59.717	9.09 ± 0.09	90.82	0.30	2.22 ± 0.97
13D05080	21.0 %	0.0164192	2.79645	0.0447791	16.1387	46.937	9.15 ± 0.11	90.52	0.23	2.48 ± 1.64
Σ		0.7895506	589.89038	0.7688130	6876.0533	20269.836				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	M/SWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MV1203 (13-INT-04) Sample = MV1203-D42-17 (LIGHT) Material = Groundmass Location = Esk Guyot Region = Walvis Ridge Analyst = Susan Schnur Irradiation = 13-OSU-05 J = 0.00174345 ± 0.00000223 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	2.95679 ± 0.00131 ± 0.04%	9.30 ± 0.02 ± 0.26%	1.16 31%	62.05 12	5.75 ± 0.11
			Full External Error ± 0.21 Analytical Error ± 0.00	1.85 1.0765	2σ Confidence Limit Error Magnification	
	Total Fusion Age	2.94789 ± 0.00093 ± 0.03%	9.27 ± 0.02 ± 0.26%		31	5.01 ± 0.08
			Full External Error ± 0.21 Analytical Error ± 0.00			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D05039	1.8 %	3607.04 ± 232.66	11300.87 ± 728.77	0.9996
13D05041	2.0 %	5401.19 ± 471.15	16457.67 ± 1435.46	0.9998
13D05042	2.2 %	6925.25 ± 603.30	20824.34 ± 1813.96	0.9998
13D05043	2.4 % ✓	7348.84 ± 690.08	22011.18 ± 2066.73	0.9999
13D05045	2.7 % ✓	11677.16 ± 912.63	34790.53 ± 2718.72	0.9999
13D05046	3.0 % ✓	15374.69 ± 1181.21	45698.90 ± 3510.50	0.9999
13D05047	3.3 % ✓	16179.05 ± 1408.78	48121.21 ± 4189.70	0.9999
13D05049	3.6 % ✓	15874.80 ± 1178.83	47220.31 ± 3505.98	0.9998
13D05050	3.9 % ✓	19190.95 ± 1714.73	57005.24 ± 5092.97	0.9999
13D05051	4.2 % ✓	18974.19 ± 1583.03	56429.91 ± 4707.46	0.9999
13D05053	4.5 % ✓	21105.92 ± 1764.96	62746.72 ± 5246.54	0.9999
13D05054	4.9 % ✓	21299.33 ± 1764.05	63332.24 ± 5244.68	0.9999
13D05055	5.3 % ✓	20191.81 ± 1848.93	60016.92 ± 5495.13	0.9999
13D05057	5.7 % ✓	22919.75 ± 2449.39	68139.20 ± 7281.39	0.9999
13D05058	6.1 % ✓	24884.98 ± 3594.30	73850.65 ± 10666.32	1.0000
13D05059	6.5 %	17892.36 ± 1731.70	53120.13 ± 5140.76	0.9999
13D05061	6.9 %	15253.34 ± 1752.62	45280.17 ± 5202.42	0.9999
13D05062	7.3 %	14807.79 ± 1426.84	43740.92 ± 4214.41	0.9999
13D05063	7.7 %	13822.52 ± 1306.10	40773.84 ± 3852.41	0.9999
13D05065	8.1 %	8824.50 ± 586.57	26027.64 ± 1729.75	0.9998
13D05066	8.5 %	6865.03 ± 541.26	20394.67 ± 1607.79	0.9998
13D05067	9.0 %	4844.85 ± 305.74	14302.50 ± 902.41	0.9997
13D05069	9.5 %	3460.26 ± 163.55	10422.15 ± 492.42	0.9995
13D05070	10.3 %	2720.80 ± 93.56	8194.96 ± 281.60	0.9991
13D05071	11.1 %	2399.36 ± 89.45	7270.04 ± 270.88	0.9991
13D05073	11.9 %	2247.84 ± 88.23	6826.14 ± 267.80	0.9990
13D05074	13.0 %	1918.05 ± 85.75	5850.75 ± 261.45	0.9990
13D05075	14.3 %	1650.44 ± 80.18	5079.52 ± 246.71	0.9990
13D05077	16.0 %	1368.16 ± 73.11	4256.90 ± 227.43	0.9986
13D05078	18.0 %	1025.63 ± 82.21	3259.45 ± 261.27	0.9978
13D05080	21.0 %	982.92 ± 95.98	3154.18 ± 308.00	0.9977

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	225.19 ± 58.91 ± 26.16%	2.96095 ± 0.00365 ± 0.12%	9.31 ± 0.03 ± 0.28%	1.01 43%
			Full External Error ± 0.21 Analytical Error ± 0.01	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.89 1.0057 12	Convergence Number of Iterations Calculated Line	0.000000278156 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D05039	1.8 %	0.3191824 ± 0.0005689	0.00008849 ± 0.00000571	0.0065
13D05041	2.0 %	0.3281866 ± 0.0005522	0.00006076 ± 0.00000530	0.0044
13D05042	2.2 %	0.3325558 ± 0.0005046	0.00004802 ± 0.00000418	0.0029
13D05043	2.4 % ✓	0.3338687 ± 0.0005279	0.00004543 ± 0.00000427	0.0031
13D05045	2.7 % ✓	0.3356419 ± 0.0004508	0.00002874 ± 0.00000225	0.0010
13D05046	3.0 % ✓	0.3364345 ± 0.0004399	0.00002188 ± 0.00000168	0.0007
13D05047	3.3 % ✓	0.3362145 ± 0.0004444	0.00002078 ± 0.00000181	0.0008
13D05049	3.6 % ✓	0.3361859 ± 0.0004375	0.00002118 ± 0.00000157	0.0007
13D05050	3.9 % ✓	0.3366525 ± 0.0004395	0.00001754 ± 0.00000157	0.0006
13D05051	4.2 % ✓	0.3362435 ± 0.0004377	0.00001772 ± 0.00000148	0.0005
13D05053	4.5 % ✓	0.3363669 ± 0.0004349	0.00001594 ± 0.00000133	0.0004
13D05054	4.9 % ✓	0.3363111 ± 0.0004344	0.00001579 ± 0.00000131	0.0005
13D05055	5.3 % ✓	0.3364354 ± 0.0004374	0.00001666 ± 0.00000153	0.0005
13D05057	5.7 % ✓	0.3363666 ± 0.0004420	0.00001468 ± 0.00000157	0.0005
13D05058	6.1 % ✓	0.3369637 ± 0.0004493	0.00001354 ± 0.00000196	0.0006
13D05059	6.5 %	0.3368283 ± 0.0004473	0.00001883 ± 0.00000182	0.0007
13D05061	6.9 %	0.3368658 ± 0.0004664	0.00002208 ± 0.00000254	0.0011
13D05062	7.3 %	0.3385341 ± 0.0004636	0.00002286 ± 0.00000220	0.0011
13D05063	7.7 %	0.3390045 ± 0.0004612	0.00002453 ± 0.00000232	0.0012
13D05065	8.1 %	0.3390436 ± 0.0004677	0.00003842 ± 0.00000255	0.0017
13D05066	8.5 %	0.3366088 ± 0.0004983	0.00004903 ± 0.00000387	0.0029
13D05067	9.0 %	0.3387414 ± 0.0005223	0.00006992 ± 0.00000441	0.0041
13D05069	9.5 %	0.3320105 ± 0.0005064	0.00009595 ± 0.00000453	0.0055
13D05070	10.3 %	0.3320091 ± 0.0004934	0.00012203 ± 0.00000419	0.0064
13D05071	11.1 %	0.3300337 ± 0.0005293	0.00013755 ± 0.00000513	0.0087
13D05073	11.9 %	0.3292990 ± 0.0005658	0.00014650 ± 0.00000575	0.0098
13D05074	13.0 %	0.3278303 ± 0.0006458	0.00017092 ± 0.00000764	0.0132
13D05075	14.3 %	0.3249197 ± 0.0007075	0.00019687 ± 0.00000956	0.0163
13D05077	16.0 %	0.3213983 ± 0.0008924	0.00023491 ± 0.00001255	0.0221
13D05078	18.0 %	0.3146633 ± 0.0016676	0.00030680 ± 0.00002459	0.0326
13D05080	21.0 %	0.3116237 ± 0.0020827	0.00031704 ± 0.00003096	0.0342

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	243.29 ± 55.35	2.95983 ± 0.00362	9.31 ± 0.03	0.97
Clustered Points	± 22.75%	± 0.12%	± 0.28%	47%
			Full External Error ± 0.21	
			Analytical Error ± 0.01	
Statistics	2σ Confidence Limit	1.89	Convergence	0.0002499818
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	12	Calculated Line	Weighted York-2
	Spreading Factor	0.9%		

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
13D05039	1.8 %	0.0258263	3.22	0.0000000	0.00	0.0021603	11.20	0.0000069	137.15	8.11230	11.20	0.0048269	3.22	0.0000000	0.00	1.120767	0.18	0.0005825	17.02	0.0281446	137.16	93.1566	0.08	0.0054807	11.28	284.228	0.10	7.63168	3.22	0.0000000	0.00	0.356138	2.66
13D05041	2.0 %	0.0193195	4.36	0.0000000	0.00	0.0026594	8.94	0.0000000	0.00	9.98653	8.94	0.0036108	4.36	0.0000000	0.00	1.255414	0.18	0.0007170	15.63	0.0000000	0.00	104.3482	0.07	0.0067469	9.04	312.245	0.09	5.70891	4.36	0.0000000	0.00	0.398923	2.66
13D05042	2.2 %	0.0204787	4.36	0.0000000	0.00	0.0030208	7.70	0.0000000	0.00	11.34347	7.70	0.0038275	4.36	0.0000000	0.00	1.706237	0.17	0.0008145	14.96	0.0000000	0.00	141.8200	0.07	0.0076637	7.82	420.403	0.07	6.05145	4.36	0.0000000	0.00	0.542178	2.66
13D05043	2.4 %	✓ 0.0173745	4.69	0.0000000	0.00	0.0027982	8.20	0.0000000	0.00	10.50772	8.20	0.0032473	4.69	0.0000000	0.00	1.536144	0.18	0.0007545	15.22	0.0000000	0.00	127.6821	0.07	0.0070990	8.31	377.298	0.07	5.13415	4.69	0.0000000	0.00	0.488129	2.66
13D05045	2.7 %	✓ 0.0247683	3.91	0.0000000	0.00	0.0060207	4.02	0.0000000	0.00	22.60885	4.01	0.0046292	3.91	0.0000000	0.00	3.479641	0.17	0.0016233	13.43	0.0000000	0.00	289.2230	0.07	0.0152745	4.23	854.382	0.04	7.31902	3.91	0.0000000	0.00	1.105699	2.66
13D05046	3.0 %	✓ 0.0243191	3.84	0.0000000	0.00	0.0076497	3.01	0.0000000	0.00	28.72604	3.00	0.0045452	3.84	0.0000000	0.00	4.498366	0.17	0.0020625	13.17	0.0000000	0.00	373.8979	0.06	0.0194073	3.28	1104.168	0.03	7.18628	3.84	0.0000000	0.00	1.429412	2.66
13D05047	3.3 %	✓ 0.0199940	4.35	0.0000000	0.00	0.0065655	3.63	0.0000000	0.00	24.65451	3.62	0.0037369	4.35	0.0000000	0.00	3.891838	0.17	0.0017702	13.32	0.0000000	0.00	323.4841	0.06	0.0166566	3.86	956.228	0.03	5.90823	4.35	0.0000000	0.00	1.236680	2.66
13D05049	3.6 %	✓ 0.0244128	3.71	0.0000000	0.00	0.0078363	3.01	0.0000000	0.00	29.42655	3.00	0.0045627	3.71	0.0000000	0.00	4.662588	0.17	0.0021128	13.17	0.0000000	0.00	387.5478	0.06	0.0198806	3.28	1145.564	0.03	7.21397	3.71	0.0000000	0.00	1.481595	2.66
13D05050	3.9 %	✓ 0.0198188	4.47	0.0000000	0.00	0.0073221	3.21	0.0000000	0.00	27.49566	3.21	0.0037041	4.47	0.0000000	0.00	4.575892	0.17	0.0019742	13.21	0.0000000	0.00	380.3418	0.06	0.0185761	3.47	1123.919	0.03	5.85646	4.47	0.0000000	0.00	1.454047	2.66
13D05051	4.2 %	✓ 0.0211612	4.17	0.0000000	0.00	0.0079337	2.89	0.0000000	0.00	29.79230	2.88	0.0039550	4.17	0.0000000	0.00	4.830657	0.17	0.0021391	13.14	0.0000000	0.00	401.5175	0.06	0.0201277	3.17	1187.874	0.03	6.25315	4.17	0.0000000	0.00	1.535001	2.66
13D05053	4.5 %	✓ 0.0224735	4.18	0.0000000	0.00	0.0090990	2.59	0.0000000	0.00	34.16807	2.59	0.0042003	4.18	0.0000000	0.00	5.706579	0.17	0.0024533	13.08	0.0000000	0.00	474.3229	0.06	0.0230839	2.91	1403.495	0.02	6.64091	4.18	0.0000000	0.00	1.813337	2.66
13D05054	4.9 %	✓ 0.0210572	4.14	0.0000000	0.00	0.0087612	2.61	0.0000000	0.00	32.89990	2.60	0.0039356	4.14	0.0000000	0.00	5.395957	0.17	0.0023622	13.08	0.0000000	0.00	448.5044	0.06	0.0222272	2.92	1327.377	0.02	6.22240	4.14	0.0000000	0.00	1.714632	2.66
13D05055	5.3 %	✓ 0.0200661	4.58	0.0000000	0.00	0.0082072	2.87	0.0000000	0.00	30.81927	2.87	0.0037504	4.58	0.0000000	0.00	4.874608	0.17	0.0022128	13.14	0.0000000	0.00	405.1707	0.06	0.0208215	3.16	1198.375	0.03	5.92953	4.58	0.0000000	0.00	1.548968	2.66
13D05057	5.7 %	✓ 0.0159118	5.34	0.0000000	0.00	0.0071622	3.17	0.0000000	0.00	26.89513	3.17	0.0029739	5.34	0.0000000	0.00	4.387634	0.17	0.0019311	13.21	0.0000000	0.00	364.6940	0.06	0.0181704	3.43	1079.514	0.03	4.70193	5.34	0.0000000	0.00	1.394225	2.66
13D05058	6.1 %	✓ 0.0116517	7.22	0.0000000	0.00	0.0057906	4.12	0.0000000	0.00	21.74456	4.12	0.0021777	7.22	0.0000000	0.00	3.488408	0.17	0.0015613	13.47	0.0000000	0.00	289.9516	0.06	0.0146906	4.33	857.040	0.03	3.44307	7.22	0.0000000	0.00	1.108485	2.66
13D05059	6.5 %	0.0170515	4.84	0.0000000	0.00	0.0061835	3.84	0.0000110	84.18	23.22000	3.84	0.0031869	4.84	0.0000000	0.00	3.670558	0.17	0.0016672	13.38	0.0445614	84.18	305.0917	0.06	0.0156874	4.06	900.739	0.03	5.03872	4.84	0.0000000	0.00	1.166365	2.66
13D05061	6.9 %	0.0143558	5.74	0.0000000	0.00	0.0048831	4.62	0.0000000	0.00	18.33683	4.62	0.0026831	5.74	0.0000000	0.00	2.634472	0.17	0.0013166	13.63	0.0000000	0.00	218.9737	0.07	0.0123884	4.81	645.790	0.04	4.24213	5.74	0.0000000	0.00	0.837136	2.66
13D05062	7.3 %	0.0164319	4.82	0.0000000	0.00	0.0058711	3.88	0.0000135	69.48	22.04690	3.88	0.0030711	4.82	0.0000000	0.00	2.927376	0.17	0.0015830	13.39	0.0547634	69.48	243.3194	0.07	0.0148949	4.10	713.889	0.04	4.85561	4.82	0.0000000	0.00	0.930210	2.66
13D05063	7.7 %	0.0179719	4.72	0.0000000	0.00	0.0061275	3.81	0.0000108	87.50	23.00974	3.80	0.0033590	4.72	0.0000000	0.00	2.988706	0.17	0.0016521	13.37	0.0439729	87.51	248.4171	0.07	0.0155454	4.02	727.473	0.04	5.31070	4.72	0.0000000	0.00	0.949699	2.66
13D05065	8.1 %	0.0263124	3.32	0.0000000	0.00	0.0063798	3.81	0.0000114	80.00	23.95703	3.81	0.0049178	3.32	0.0000000	0.00	2.793522	0.17	0.0017201	13.37	0.0462654	80.00	232.1937	0.07	0.0161854	4.03	677.074	0.04	7.77531	3.32	0.0000000	0.00	0.887676	2.66
13D05066	8.5 %	0.0220707	3.94	0.0000000	0.00	0.0038211	6.09	0.0000054	182.85	14.34893	6.08	0.0041250	3.94	0.0000000	0.00	1.822890	0.17	0.0010303	14.19	0.0217435	182.85	151.5161	0.07	0.0096941	6.23	443.603	0.06	6.52190	3.94	0.0000000	0.00	0.579246	2.66
13D05067	9.0 %	0.0285034	3.15	0.0000000	0.00	0.0048311	4.71	0.0000127	75.03	18.14153	4.70	0.0053273	3.15	0.0000000	0.00	1.661418	0.17	0.0013026	13.66	0.0515048	75.03	138.0947	0.07	0.0122564	4.89	399.247	0.07	8.42276	3.15	0.0000000	0.00	0.527936	2.66
13D05069	9.5 %	0.0391209	2.36	0.0000000	0.00	0.0040942	5.72	0.0000143	66.72	15.37427	5.72	0.0073117	2.36	0.0000000	0.00	1.628621	0.17	0.0011039	14.04	0.0580085	66.73	135.3687	0.07	0.0103869	5.87	396.164	0.08	11.56024	2.36	0.0000000	0.00	0.517515	2.66
13D05070	10.3 %	0.0569503	1.72	0.0000000	0.00	0.0054489	4.55	0.0000173	53.56	20.46147	4.54	0.0106440	1.72	0.0000000	0.00	1.864209	0.17	0.0014691	13.60	0.0700833	53.57	154.9504	0.07	0.0138238	4.73	449.877	0.07	16.82880	1.72	0.0000000	0.00	0.592376	2.66
13D05071	11.1 %	0.0498677	1.86	0.0000000	0.00	0.0040096	5.75	0.0000162	57.41	15.05652	5.75	0.0093203	1.86	0.0000000	0.00	1.439516	0.18	0.0010811	14.05	0.0657352	57.42	119.6506	0.07	0.0101722	5.90	347.805	0.09	14.73591	1.86	0.0000000	0.00	0.457424	2.66
13D05073	11.9 %	0.0458683	1.96	0.0000000	0.00	0.0036282	6.67	0.0000096	95.03	13.62450	6.67	0.0085728	1.96	0.0000000	0.00	1.240451	0.18	0.0009782	14.45	0.0389166	95.03	103.1046	0.08	0.0092047	6.80	299.549	0.10	13.55407	1.96	0.0000000	0.00	0.394169	2.66
13D05074	13.0 %	0.0399786	2.23	0.0000000	0.00	0.0028400	8.17	0.0000108	86.44	10.66477	8.16	0.0074720	2.23	0.0000000	0.00	0.922550	0.18	0.0007657	15.20	0.0438365	86.45	76.6811	0.08	0.0072051	8.27	222.091	0.13	11.81368	2.23	0.0000000	0.00	0.293152	2.66
13D05075	14.3 %	0.0376814	2.43	0.0000000	0.00	0.0022999	9.84	0.0000222	40.64	8.63631	9.84	0.0070427	2.43	0.0000000	0.00	0.748218	0.18	0.0006201	16.16	0.0900311	40.65	62.1908	0.09	0.0058347	9.92	180.269	0.17	11.13486	2.43	0.0000000	0.00	0.237755	2.66
13D05077	16.0 %	0.0321855	2.67	0.0000000	0.00	0.0018715	12.19	0.0000044	217.53	7.02797	12.19	0.0060155	2.67	0.0000000	0.00	0.529785	0.19	0.0005046	17.69	0.0177309	217.53	44.0350	0.11	0.0047481	12.26	127.500	0.22	9.51082	2.67	0.0000000	0.00	0.168346	2.66
13D05078	18.0 %	0.0201479	4.00	0.0000000	0.00	0.0010669	21.85	0.0000120	85.38	4.00628	21.85	0.0037656	4.00	0.0000000	0.00	0.248612	0.25	0.0002877	25.33	0.0487357	85.38	20.6643	0.19	0.0027066	21.89	59.717	0.45	5.95369	4.00	0.0000000	0.00	0.078999	2.67
13D05080	21.0 %	0.0164192	4.88	0.0000000	0.00	0.0007447	33.04	0.0000111	86.04	2.79645	33.04	0.0030687	4.88	0.0000000	0.00																		

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D05039	1.8 %	3.136643	0.002793	0.087077	0.009752	0.000300	0.000009	151.708	20.065682	1.00107191	1.403E-11
13D05041	2.0 %	3.050673	0.002564	0.095698	0.008559	0.000211	0.000008	151.725	20.072289	1.00107203	1.528E-11
13D05042	2.2 %	3.010675	0.002281	0.079981	0.006161	0.000166	0.000006	151.734	20.075868	1.00107209	2.050E-11
13D05043	2.4 %	✓ 2.998846	0.002368	0.082291	0.006750	0.000158	0.000006	151.742	20.079173	1.00107215	1.838E-11
13D05045	2.7 %	✓ 2.983032	0.002001	0.078167	0.003138	0.000106	0.000003	151.760	20.086060	1.00107227	4.141E-11
13D05046	3.0 %	✓ 2.976015	0.001943	0.076825	0.002307	0.000085	0.000002	151.768	20.089366	1.00107233	5.341E-11
13D05047	3.3 %	✓ 2.977962	0.001965	0.076212	0.002761	0.000082	0.000003	151.777	20.092949	1.00107240	4.624E-11
13D05049	3.6 %	✓ 2.978215	0.001935	0.075926	0.002280	0.000083	0.000002	151.794	20.099840	1.00107252	5.540E-11
13D05050	3.9 %	✓ 2.974100	0.001938	0.072288	0.002318	0.000071	0.000002	151.803	20.103149	1.00107258	5.430E-11
13D05051	4.2 %	✓ 2.977709	0.001935	0.074196	0.002140	0.000072	0.000002	151.812	20.106734	1.00107264	5.739E-11
13D05053	4.5 %	✓ 2.976622	0.001921	0.072032	0.001866	0.000067	0.000002	151.828	20.113354	1.00107276	6.777E-11
13D05054	4.9 %	✓ 2.977113	0.001920	0.073351	0.001910	0.000066	0.000002	151.838	20.116941	1.00107282	6.410E-11
13D05055	5.3 %	✓ 2.976009	0.001932	0.076061	0.002182	0.000070	0.000002	151.846	20.120252	1.00107288	5.788E-11
13D05057	5.7 %	✓ 2.976622	0.001953	0.073743	0.002338	0.000063	0.000002	151.863	20.127153	1.00107300	5.211E-11
13D05058	6.1 %	✓ 2.971352	0.001978	0.074990	0.003090	0.000060	0.000003	151.872	20.130742	1.00107307	4.136E-11
13D05059	6.5 %	2.972542	0.001971	0.076104	0.002922	0.000076	0.000003	151.881	20.134056	1.00107313	4.353E-11
13D05061	6.9 %	2.972196	0.002055	0.083735	0.003871	0.000088	0.000004	151.898	20.140962	1.00107325	3.124E-11
13D05062	7.3 %	2.957554	0.002022	0.090603	0.003515	0.000092	0.000003	151.906	20.144277	1.00107331	3.454E-11
13D05063	7.7 %	2.953451	0.002006	0.092620	0.003522	0.000097	0.000003	151.915	20.147869	1.00107337	3.522E-11
13D05065	8.1 %	2.953090	0.002034	0.103170	0.003929	0.000141	0.000004	151.933	20.154780	1.00107349	3.292E-11
13D05066	8.5 %	2.974440	0.002199	0.094696	0.005762	0.000171	0.000006	151.941	20.158097	1.00107355	2.163E-11
13D05067	9.0 %	2.955665	0.002276	0.131359	0.006179	0.000241	0.000006	151.949	20.161416	1.00107361	1.959E-11
13D05069	9.5 %	3.015545	0.002297	0.113565	0.006494	0.000319	0.000007	151.967	20.168331	1.00107373	1.960E-11
13D05070	10.3 %	3.015519	0.002238	0.132040	0.005999	0.000403	0.000006	151.976	20.171927	1.00107380	2.243E-11
13D05071	11.1 %	3.033559	0.002430	0.125827	0.007235	0.000450	0.000008	151.984	20.175248	1.00107386	1.742E-11
13D05073	11.9 %	3.040305	0.002609	0.132131	0.008809	0.000480	0.000008	152.001	20.182167	1.00107398	1.505E-11
13D05074	13.0 %	3.053895	0.003005	0.139066	0.011354	0.000558	0.000011	152.010	20.185490	1.00107404	1.124E-11
13D05075	14.3 %	3.081217	0.003351	0.138855	0.013658	0.000643	0.000014	152.019	20.189089	1.00107410	9.199E-12
13D05077	16.0 %	3.114891	0.004321	0.159582	0.019456	0.000773	0.000019	152.036	20.196014	1.00107423	6.585E-12
13D05078	18.0 %	3.181407	0.008424	0.193850	0.042357	0.001027	0.000037	152.044	20.199338	1.00107428	3.156E-12
13D05080	21.0 %	3.212445	0.010727	0.173256	0.057243	0.001064	0.000047	152.062	20.206266	1.00107441	2.489E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D05039	1.8 %	0.0193769 ± 0.0005787	0.0026201 ± 0.0296886	0.0160537 ± 0.0257880	0.0446884 ± 0.0249487	5.6902222 ± 0.1185191
13D05041	2.0 %	0.0186972 ± 0.0005787	0.0041849 ± 0.0296886	0.0128697 ± 0.0257880	0.0507248 ± 0.0249487	5.4592821 ± 0.1185191
13D05042	2.2 %	0.0184060 ± 0.0005787	0.0043465 ± 0.0296886	0.0107527 ± 0.0257880	0.0534086 ± 0.0249487	5.3578368 ± 0.1185191
13D05043	2.4 %	0.0181776 ± 0.0005787	0.0041223 ± 0.0296886	0.0086480 ± 0.0257880	0.0555481 ± 0.0249487	5.2768707 ± 0.1185191
13D05045	2.7 %	0.0178044 ± 0.0005787	0.0026693 ± 0.0296886	0.0040651 ± 0.0257880	0.0590466 ± 0.0249487	5.1412641 ± 0.1185191
13D05046	3.0 %	0.0176649 ± 0.0005787	0.0015740 ± 0.0296886	0.0018834 ± 0.0257880	0.0603029 ± 0.0249487	5.0894220 ± 0.1185191
13D05047	3.3 %	0.0175363 ± 0.0005787	0.0001508 ± 0.0296886	0.0003912 ± 0.0257880	0.0613811 ± 0.0249487	5.0411470 ± 0.1185191
13D05049	3.6 %	0.0173376 ± 0.0005787	0.0031250 ± 0.0296886	0.0043160 ± 0.0257880	0.0627019 ± 0.0249487	4.9666050 ± 0.1185191
13D05050	3.9 %	0.0172578 ± 0.0005787	0.0048801 ± 0.0296886	0.0059135 ± 0.0257880	0.0630170 ± 0.0249487	4.9373558 ± 0.1185191
13D05051	4.2 %	0.0171783 ± 0.0005787	0.0068664 ± 0.0296886	0.0073875 ± 0.0257880	0.0631480 ± 0.0249487	4.9091248 ± 0.1185191
13D05053	4.5 %	0.0170396 ± 0.0005787	0.0106408 ± 0.0296886	0.0093106 ± 0.0257880	0.0628726 ± 0.0249487	4.8633809 ± 0.1185191
13D05054	4.9 %	0.0169640 ± 0.0005787	0.0126771 ± 0.0296886	0.0098796 ± 0.0257880	0.0624734 ± 0.0249487	4.8405837 ± 0.1185191
13D05055	5.3 %	0.0168916 ± 0.0005787	0.0145125 ± 0.0296886	0.0100933 ± 0.0257880	0.0619664 ± 0.0249487	4.8200120 ± 0.1185191
13D05057	5.7 %	0.0167266 ± 0.0005787	0.0180840 ± 0.0296886	0.0095559 ± 0.0257880	0.0605335 ± 0.0249487	4.7767176 ± 0.1185191
13D05058	6.1 %	0.0166313 ± 0.0005787	0.0197468 ± 0.0296886	0.0087536 ± 0.0257880	0.0596125 ± 0.0249487	4.7531939 ± 0.1185191
13D05059	6.5 %	0.0165368 ± 0.0005787	0.0211293 ± 0.0296886	0.0077050 ± 0.0257880	0.0586699 ± 0.0249487	4.7305330 ± 0.1185191
13D05061	6.9 %	0.0163196 ± 0.0005787	0.0234392 ± 0.0296886	0.0046301 ± 0.0257880	0.0564606 ± 0.0249487	4.6798944 ± 0.1185191
13D05062	7.3 %	0.0162064 ± 0.0005787	0.0242296 ± 0.0296886	0.0027668 ± 0.0257880	0.0552995 ± 0.0249487	4.6539047 ± 0.1185191
13D05063	7.7 %	0.0160783 ± 0.0005787	0.0248211 ± 0.0296886	0.0005036 ± 0.0257880	0.0539798 ± 0.0249487	4.6246395 ± 0.1185191
13D05065	8.1 %	0.0158216 ± 0.0005787	0.0250990 ± 0.0296886	0.0044191 ± 0.0257880	0.0512905 ± 0.0249487	4.5660068 ± 0.1185191
13D05066	8.5 %	0.0156969 ± 0.0005787	0.0247927 ± 0.0296886	0.0069686 ± 0.0257880	0.0499415 ± 0.0249487	4.5373849 ± 0.1185191
13D05067	9.0 %	0.0155739 ± 0.0005787	0.0241788 ± 0.0296886	0.0095806 ± 0.0257880	0.0485615 ± 0.0249487	4.5089789 ± 0.1185191
13D05069	9.5 %	0.0153337 ± 0.0005787	0.0218457 ± 0.0296886	0.0150054 ± 0.0257880	0.0456054 ± 0.0249487	4.4526835 ± 0.1185191
13D05070	10.3 %	0.0152241 ± 0.0005787	0.0200360 ± 0.0296886	0.0176850 ± 0.0257880	0.0440330 ± 0.0249487	4.4263727 ± 0.1185191
13D05071	11.1 %	0.0151367 ± 0.0005787	0.0179847 ± 0.0296886	0.0199842 ± 0.0257880	0.0425640 ± 0.0249487	4.4048882 ± 0.1185191
13D05073	11.9 %	0.0150137 ± 0.0005787	0.0124857 ± 0.0296886	0.0239333 ± 0.0257880	0.0394573 ± 0.0249487	4.3723800 ± 0.1185191
13D05074	13.0 %	0.0149915 ± 0.0005787	0.0092362 ± 0.0296886	0.0252705 ± 0.0257880	0.0379460 ± 0.0249487	4.3645569 ± 0.1185191
13D05075	14.3 %	0.0150012 ± 0.0005787	0.0052550 ± 0.0296886	0.0261858 ± 0.0257880	0.0362944 ± 0.0249487	4.3633471 ± 0.1185191
13D05077	16.0 %	0.0151410 ± 0.0005787	0.0037845 ± 0.0296886	0.0259921 ± 0.0257880	0.0330734 ± 0.0249487	4.3873787 ± 0.1185191
13D05078	18.0 %	0.0152760 ± 0.0005787	0.0087842 ± 0.0296886	0.0247888 ± 0.0257880	0.0315033 ± 0.0249487	4.4138321 ± 0.1185191
13D05080	21.0 %	0.0157303 ± 0.0005787	0.0206066 ± 0.0296886	0.0194221 ± 0.0257880	0.0281697 ± 0.0249487	4.5073802 ± 0.1185191

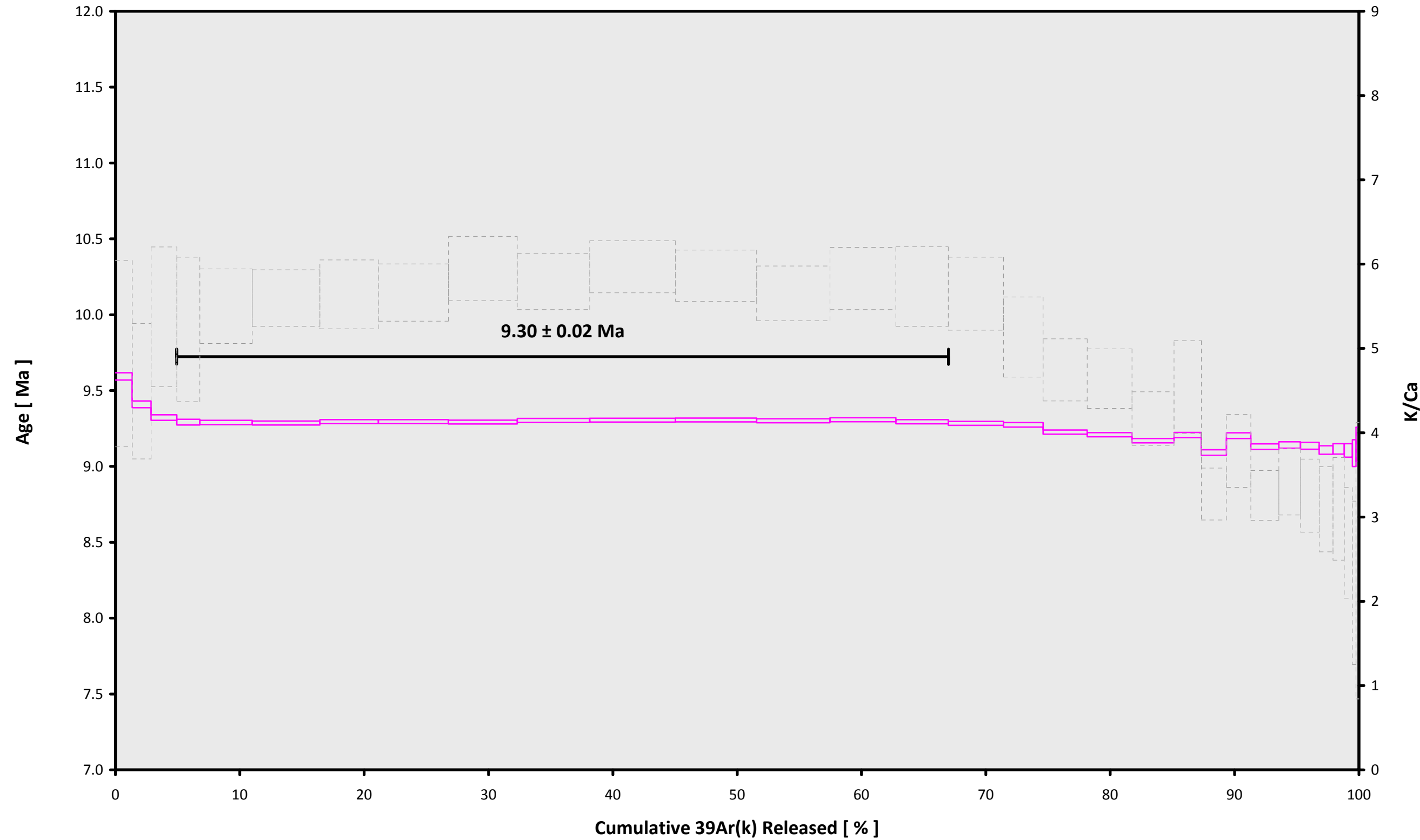
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D05039	1.8 %	0.0465386 ± 0.0005079	0.5020	EXP 150 of 150	0.3943545 ± 0.0330417	0.0018	EXP 150 of 150	1.1243298 ± 0.0279841	0.0972	EXP 150 of 150	92.546164 ± 0.035169	0.9968	EXP 150 of 150	298.535168 ± 0.044057	0.9993	EXP 150 of 150
13D05041	2.0 %	0.0400229 ± 0.0005265	0.5679	EXP 150 of 150	0.4843441 ± 0.0319734	0.0335	EXP 150 of 150	1.2218794 ± 0.0273996	0.0398	EXP 150 of 150	103.665742 ± 0.032496	0.9978	EXP 150 of 150	324.497296 ± 0.048387	0.9993	EXP 150 of 150
13D05042	2.2 %	0.0412071 ± 0.0005997	0.5851	EXP 150 of 150	0.5504636 ± 0.0306336	0.0004	EXP 150 of 150	1.6336393 ± 0.0282445	0.0897	EXP 150 of 150	140.875400 ± 0.034149	0.9987	EXP 150 of 150	433.273685 ± 0.057901	0.9995	EXP 150 of 150
13D05043	2.4 %	0.0377508 ± 0.0004893	0.6584	EXP 150 of 150	0.5097264 ± 0.0298210	0.0038	EXP 150 of 150	1.4805210 ± 0.0252565	0.1123	EXP 150 of 150	126.839337 ± 0.036721	0.9981	EXP 150 of 150	389.021230 ± 0.049356	0.9995	EXP 150 of 150
13D05045	2.7 %	0.0476785 ± 0.0006972	0.7059	EXP 150 of 150	1.1025704 ± 0.0325523	0.0287	EXP 150 of 150	3.4186674 ± 0.0263683	0.3720	EXP 150 of 150	287.246262 ± 0.048229	0.9994	EXP 150 of 150	869.804703 ± 0.068643	0.9998	EXP 150 of 150
13D05046	3.0 %	0.0486837 ± 0.0006561	0.8306	EXP 149 of 150	1.4024746 ± 0.0291983	0.0770	EXP 150 of 150	4.4081514 ± 0.0247906	0.5423	EXP 150 of 150	371.326091 ± 0.046120	0.9997	EXP 150 of 150	1120.267600 ± 0.086827	0.9999	EXP 150 of 150
13D05047	3.3 %	0.0433065 ± 0.0005663	0.8429	EXP 150 of 150	1.2046779 ± 0.0314816	0.0735	EXP 150 of 150	3.7784978 ± 0.0264160	0.3756	EXP 150 of 150	321.268147 ± 0.045299	0.9996	EXP 150 of 150	970.487158 ± 0.072620	0.9999	EXP 150 of 150
13D05049	3.6 %	0.0486283 ± 0.0006163	0.8653	EXP 150 of 150	1.4406635 ± 0.0305978	0.0941	EXP 150 of 150	4.5958941 ± 0.0262025	0.5337	EXP 149 of 150	384.882018 ± 0.044963	0.9997	EXP 150 of 150	1161.710244 ± 0.081043	0.9999	EXP 150 of 150
13D05050	3.9 %	0.0435922 ± 0.0005887	0.8834	EXP 150 of 150	1.3478702 ± 0.0305313	0.0320	EXP 150 of 150	4.4592798 ± 0.0280880	0.4524	EXP 150 of 150	377.726080 ± 0.048540	0.9996	EXP 150 of 150	1138.601286 ± 0.072330	0.9999	EXP 150 of 150
13D05051	4.2 %	0.0454086 ± 0.0005865	0.8881	EXP 150 of 150	1.4617732 ± 0.0288426	0.1354	EXP 150 of 150	4.7485119 ± 0.0267562	0.5165	EXP 150 of 150	398.753280 ± 0.051053	0.9996	EXP 150 of 150	1203.144161 ± 0.070144	0.9999	EXP 150 of 150
13D05053	4.5 %	0.0476737 ± 0.0006616	0.8845	EXP 149 of 150	1.6786890 ± 0.0303905	0.0547	EXP 150 of 150	5.6324998 ± 0.0272026	0.5447	EXP 150 of 150	471.045021 ± 0.056487	0.9997	EXP 150 of 150	1419.850641 ± 0.083983	0.9999	EXP 150 of 150
13D05054	4.9 %	0.0458963 ± 0.0005712	0.9049	EXP 150 of 150	1.6185281 ± 0.0284623	0.0739	EXP 150 of 150	5.3363739 ± 0.0244712	0.6545	EXP 149 of 150	445.408316 ± 0.049185	0.9997	EXP 150 of 150	1343.028420 ± 0.082036	0.9999	EXP 150 of 150
13D05055	5.3 %	0.0443246 ± 0.0006344	0.8706	EXP 150 of 150	1.5185604 ± 0.0304956	0.0810	EXP 150 of 150	4.7482350 ± 0.0249663	0.5186	EXP 150 of 150	402.379963 ± 0.048974	0.9997	EXP 150 of 150	1213.268544 ± 0.077523	0.9999	EXP 150 of 150
13D05057	5.7 %	0.0391149 ± 0.0005420	0.8956	EXP 150 of 150	1.3301752 ± 0.0284585	0.0133	EXP 150 of 150	4.2769387 ± 0.0320385	0.3161	EXP 150 of 150	362.186259 ± 0.051289	0.9996	EXP 150 of 150	1092.723098 ± 0.075872	0.9999	EXP 150 of 150
13D05058	6.1 %	0.0335552 ± 0.0005255	0.8667	EXP 150 of 150	1.0803758 ± 0.0316791	0.0220	EXP 150 of 150	3.4310253 ± 0.0251304	0.4249	EXP 150 of 150	287.969498 ± 0.042068	0.9995	EXP 150 of 150	868.199061 ± 0.070238	0.9998	EXP 150 of 150
13D05059	6.5 %	0.0390920 ± 0.0004996	0.8808	EXP 150 of 150	1.1535392 ± 0.0313039	0.0059	EXP 150 of 150	3.6827632 ± 0.0254435	0.4179	EXP 150 of 150	303.002223 ± 0.044312	0.9995	EXP 150 of 150	913.626539 ± 0.067943	0.9999	EXP 150 of 150
13D05061	6.9 %	0.0349868 ± 0.0005051	0.8084	EXP 150 of 150	0.9173967 ± 0.0284330	0.0923	EXP 150 of 150	2.5896635 ± 0.0272704	0.2358	EXP 150 of 150	217.489466 ± 0.040195	0.9992	EXP 150 of 150	656.949929 ± 0.060372	0.9998	EXP 150 of 150
13D05062	7.3 %	0.0378596 ± 0.0004506	0.8509	EXP 150 of 150	1.0988832 ± 0.0288318	0.0409	EXP 150 of 150	2.9534977 ± 0.0266214	0.2894	EXP 150 of 150	241.663877 ± 0.043146	0.9993	EXP 150 of 150	725.877042 ± 0.068820	0.9998	EXP 150 of 150
13D05063	7.7 %	0.0394721 ± 0.0005375	0.8224	EXP 150 of 150	1.1462076 ± 0.0301478	0.0233	EXP 150 of 150	3.0015164 ± 0.0271915	0.2705	EXP 150 of 150	246.724695 ± 0.039951	0.9994	EXP 150 of 150	739.937261 ± 0.073657	0.9997	EXP 150 of 150
13D05065	8.1 %	0.0475533 ± 0.0005680	0.7564	EXP 150 of 150	1.1922515 ± 0.0326182	0.0593	EXP 150 of 150	2.8076383 ± 0.0252232	0.2855	EXP 150 of 150	230.614238 ± 0.044104	0.9992	EXP 150 of 150	691.778323 ± 0.059238	0.9998	EXP 150 of 150
13D05066	8.5 %	0.0408245 ± 0.0005679	0.6832	EXP 150 of 150	0.7237372 ± 0.0302720	0.0048	EXP 150 of 150	1.8204855 ± 0.0293668	0.1004	EXP 150 of 150	150.501024 ± 0.032879	0.9989	EXP 150 of 150	456.211550 ± 0.052232	0.9996	EXP 150 of 150
13D05067	9.0 %	0.0479301 ± 0.0006089	0.5322	EXP 150 of 150	0.9077175 ± 0.0287800	0.0901	EXP 150 of 150	1.6892096 ± 0.0279153	0.1057	EXP 150 of 150	137.176023 ± 0.036902	0.9984	EXP 150 of 150	413.585372 ± 0.049226	0.9996	EXP 150 of 150
13D05069	9.5 %	0.0572785 ± 0.0006372	0.4789	EXP 150 of 150	0.7703551 ± 0.0306236	0.0535	EXP 150 of 150	1.6595734 ± 0.0280070	0.1088	EXP 150 of 150	134.464504 ± 0.032711	0.9987	EXP 150 of 150	413.572844 ± 0.047580	0.9996	EXP 150 of 150
13D05070	10.3 %	0.0757857 ± 0.0006962	0.3721	EXP 150 of 150	1.0160423 ± 0.0338220	0.0125	EXP 150 of 150	1.9052191 ± 0.0263307	0.1560	EXP 150 of 150	153.909190 ± 0.036287	0.9988	EXP 150 of 150	472.729692 ± 0.058877	0.9996	EXP 150 of 150
13D05071	11.1 %	0.0674286 ± 0.0006400	0.3338	EXP 150 of 150	0.7507728 ± 0.0296955	0.0105	EXP 150 of 150	1.4773684 ± 0.0267352	0.0978	EXP 150 of 150	118.854609 ± 0.033722	0.9982	EXP 150 of 150	368.183981 ± 0.053725	0.9994	EXP 150 of 150
13D05073	11.9 %	0.0630486 ± 0.0005974	0.2678	EXP 148 of 150	0.6753512 ± 0.0325813	0.0252	EXP 150 of 150	1.2494229 ± 0.0257351	0.0317	EXP 150 of 150	102.421869 ± 0.036202	0.9972	EXP 150 of 150	318.544349 ± 0.045294	0.9994	EXP 150 of 150
13D05074	13.0 %	0.0565481 ± 0.0005950	0.2827	EXP 150 of 150	0.5280179 ± 0.0301069	0.0048	EXP 150 of 150	0.9375863 ± 0.0270536	0.0152	EXP 150 of 150	76.182305 ± 0.032516	0.9959	EXP 150 of 150	239.066519 ± 0.043636	0.9989	EXP 150 of 150
13D05075	14.3 %	0.0538158 ± 0.0006284	0.2129	EXP 150 of 150	0.4252889 ± 0.0286599	0.0006	EXP 149 of 150	0.8095121 ± 0.0252554	0.0677	EXP 150 of 150	61.791790 ± 0.027676	0.9954	EXP 150 of 150	196.417132 ± 0.042598	0.9983	EXP 150 of 150
13D05077	16.0 %	0.0481902 ± 0.0005514	0.2238	EXP 150 of 150	0.3379091 ± 0.0291776	0.0048	EXP 150 of 150	0.5213545 ± 0.0280220	0.0051	EXP 150 of 150	43.760447 ± 0.027375	0.9912	EXP 150 of 150	141.861594 ± 0.037466	0.9969	EXP 150 of 150
13D05078	18.0 %	0.0358720 ± 0.0004730	0.2973	EXP 150 of 150	0.1859657 ± 0.0304707	0.0000	EXP 150 of 150	0.2729728 ± 0.0319968	0.0000	EXP 150 of 150	20.551879 ± 0.026711	0.9637	EXP 150 of 150	70.305355 ± 0.030470	0.9784	EXP 150 of 150
13D05080	21.0 %	0.0323948 ± 0.0004581	0.3333	EXP 150 of 150	0.1152854 ± 0.0336732	0.0004	EXP 150 of 150	0.2198666 ± 0.0279843	0.0120	EXP 150 of 150	16.054262 ± 0.026718	0.9382	EXP 149 of 150	56.469690 ± 0.030971	0.9367	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D05039	1.8 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05041	2.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05042	2.2 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05043	2.4 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05045	2.7 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05046	3.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05047	3.3 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05049	3.6 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05050	3.9 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05051	4.2 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05053	4.5 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05054	4.9 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05055	5.3 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05057	5.7 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05058	6.1 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05059	6.5 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05061	6.9 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05062	7.3 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05063	7.7 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05065	8.1 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05066	8.5 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05067	9.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05069	9.5 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05070	10.3 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05071	11.1 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05073	11.9 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05074	13.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05075	14.3 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05077	16.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05078	18.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	01
13D05080	21.0 %	Susan Schnur	13-OSU-05			21.95	Walvis Ridge\MV1203 (13-INT-04)	13D05038	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
13D05039	1.8 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	14	36	1
13D05041	2.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	15	0	1
13D05042	2.2 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	15	13	1
13D05043	2.4 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	15	25	1
13D05045	2.7 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	15	50	1
13D05046	3.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	16	2	1
13D05047	3.3 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	16	15	1
13D05049	3.6 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	16	40	1
13D05050	3.9 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	16	52	1
13D05051	4.2 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	17	5	1
13D05053	4.5 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	17	29	1
13D05054	4.9 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	17	42	1
13D05055	5.3 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	17	54	1
13D05057	5.7 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	18	19	1
13D05058	6.1 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	18	32	1
13D05059	6.5 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	18	44	1
13D05061	6.9 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	19	9	1
13D05062	7.3 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	19	21	1
13D05063	7.7 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	19	34	1
13D05065	8.1 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	19	59	1
13D05066	8.5 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	20	11	1
13D05067	9.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	20	23	1
13D05069	9.5 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	20	48	1
13D05070	10.3 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	21	1	1
13D05071	11.1 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	21	13	1
13D05073	11.9 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	21	38	1
13D05074	13.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	21	50	1
13D05075	14.3 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	22	3	1
13D05077	16.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	22	28	1
13D05078	18.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	22	40	1
13D05080	21.0 %	MV1203-D42-17 (Light)	Groundmass	Esk Guyot	FCT-NM	28.201	Kuiper et al (2008)	9.01513	0.128	0.00174345	0.128	302.804	0.092	0.9939619	0.062	1	4.8E-14	20	NOV	2013	23	5	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	
13D05039	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
13D05041	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
13D05042	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
13D05043	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
13D05045	2.7%	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
13D05046	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
13D05047	3.3%	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
13D05049	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
13D05050	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
13D05051	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
13D05053	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
13D05054	4.9%	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
13D05055	5.3%	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
13D05057	5.7%	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
13D05058	6.1%	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
13D05059	6.5%	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
13D05061	6.9%	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
13D05062	7.3%	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
13D05063	7.7%	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
13D05065	8.1%	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
13D05066	8.5%	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
13D05067	9.0%	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
13D05069	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
13D05070	10.3%	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
13D05071	11.1%	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
13D05073	11.9%	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
13D05074	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
13D05075	14.3%	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
13D05077	16.0%	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
13D05078	18.0%	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
13D05080	21.0%	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

13D05038.AGE >>> MV1203-D42-17 (LIGHT) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.30 ± 0.02

TOTAL FUSION

9.27 ± 0.02

NORMAL ISOCHRON

9.31 ± 0.03

INVERSE ISOCHRON

9.31 ± 0.03

MSWD (PROBABILITY)

1.16 (31%)

Sample Info

Groundmass

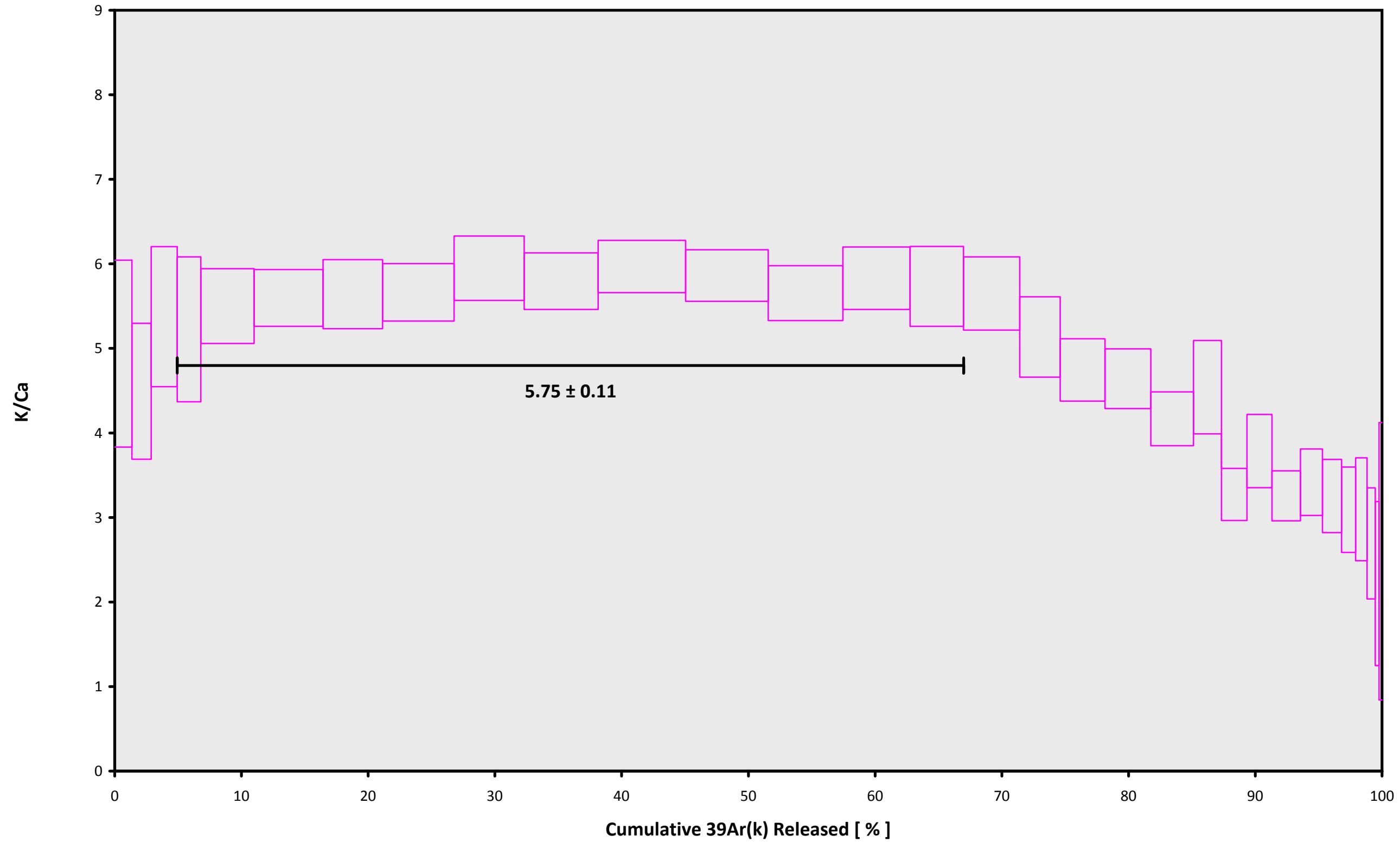
Esk Guyot

Susan Schnur

IRR = 13-OSU-05

J = 0.00174345 ± 0.00000223

13D05038.AGE >>> MV1203-D42-17 (LIGHT) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.30 ± 0.02

TOTAL FUSION

9.27 ± 0.02

NORMAL ISOCHRON

9.31 ± 0.03

INVERSE ISOCHRON

9.31 ± 0.03

Sample Info

Groundmass

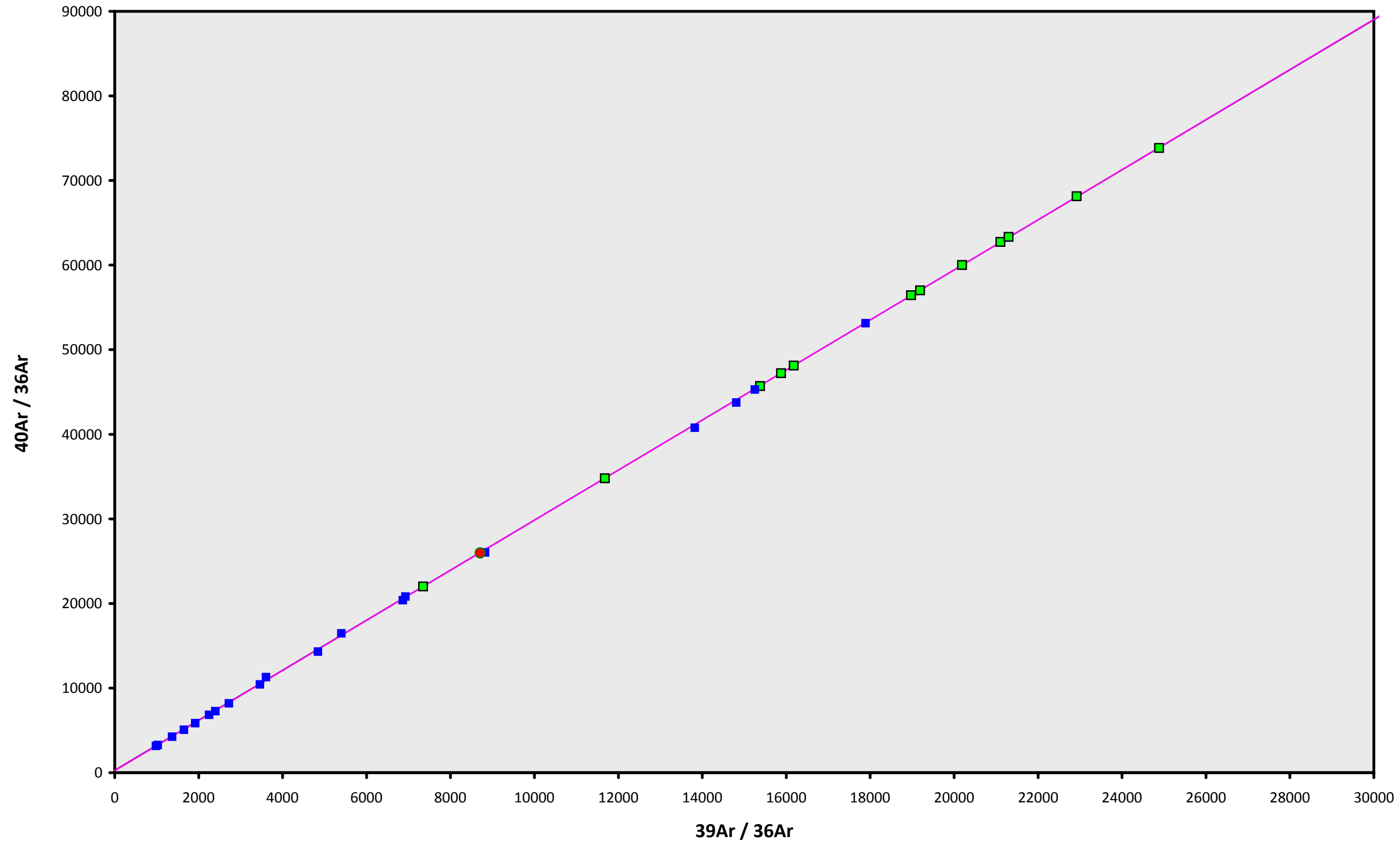
Esk Guyot

Susan Schnur

IRR = 13-OSU-05

J = $0.00174345 \pm 0.00000223$

13D05038.AGE >>> MV1203-D42-17 (LIGHT) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.30 ± 0.02

TOTAL FUSION

9.27 ± 0.02

NORMAL ISOCHRON

9.31 ± 0.03

INVERSE ISOCHRON

9.31 ± 0.03

MSWD (PROBABILITY)

1.01 (43%)

40AR/36AR INTERCEPT

225.2 ± 58.9

Sample Info

Groundmass

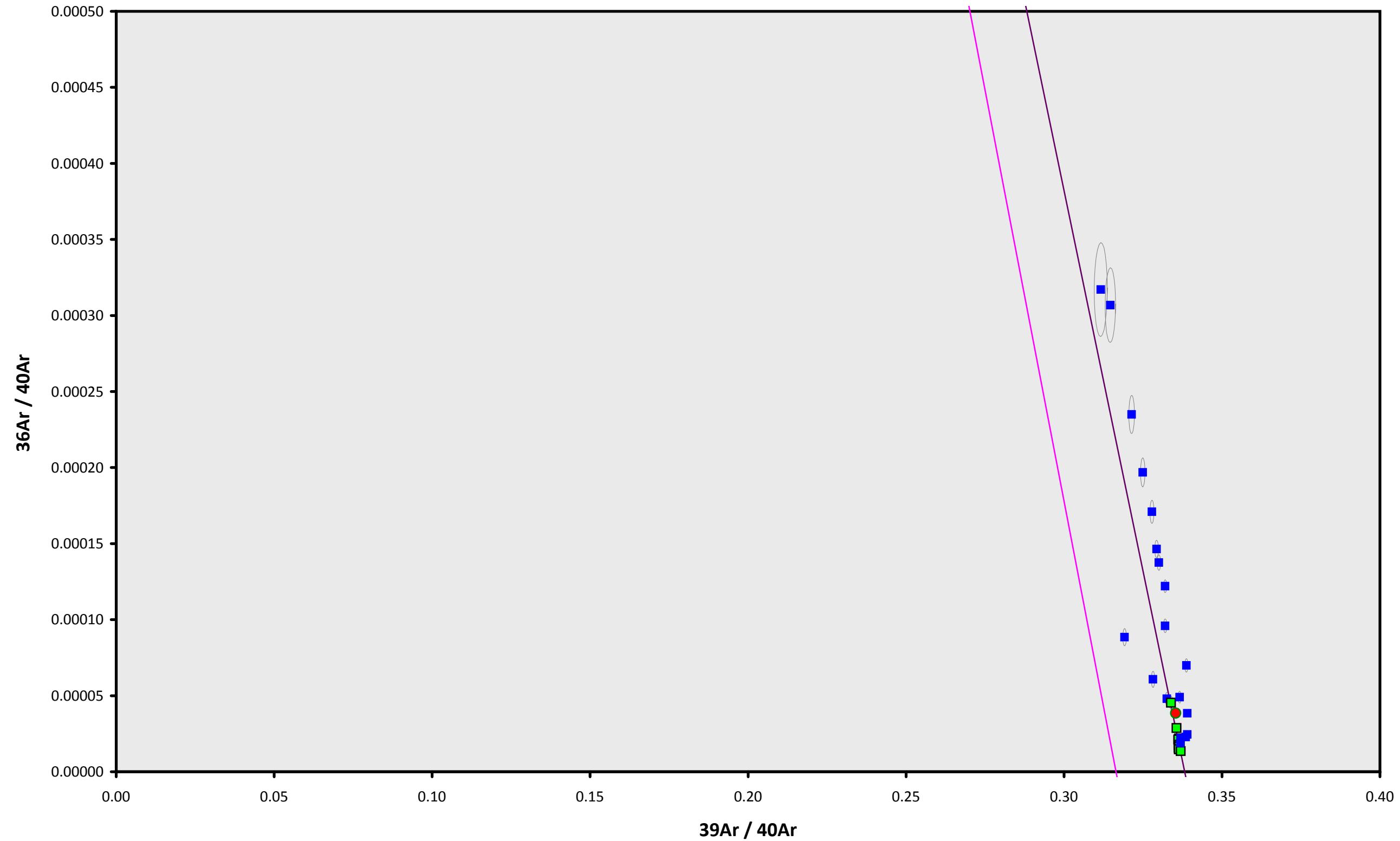
Esk Guyot

Susan Schnur

IRR = 13-OSU-05

J = 0.00174345 ± 0.00000223

13D05038.AGE >>> MV1203-D42-17 (LIGHT) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.30 ± 0.02

TOTAL FUSION

9.27 ± 0.02

NORMAL ISOCHRON

9.31 ± 0.03

INVERSE ISOCHRON

9.31 ± 0.03

MSWD (PROBABILITY)

0.97 (47%)

SPREADING FACTOR

0.9%

40AR/36AR INTERCEPT

243.3 ± 55.3

Sample Info

Groundmass

Esk Guyot

Susan Schnur

IRR = 13-OSU-05

$J = 0.00174345 \pm 0.00000223$