

Table SI. SHRIMP U-Pb monazite analyses for paragneisses from Mount Brown

Spot	U	Th	Th/U	Common	Isotopic ratios						Ages (Ma)				Location
	(ppm)	(ppm)		²⁰⁶ Pb (%)	²⁰⁷ Pb/ ²⁰⁶ Pb ±σ(%)	²⁰⁷ Pb/ ²³⁵ U ±σ(%)	²⁰⁶ Pb/ ²³⁸ U ±σ(%)			²⁰⁷ Pb/ ²⁰⁶ Pb	±σ	²⁰⁶ Pb/ ²³⁸ U	±σ		
Sample MB04-2															
1.1c	1752	1460	0.83	—	0.0676	52.2	1.399	52.4	0.1501	4.7	855	1085	902	39	In matrix
2.1c	1447	416	0.29	—	0.0637	2.4	1.084	3.1	0.1233	2.0	733	52	750	14	In symplectite
3.1c	1608	1918	1.19	—	0.0604	1.0	0.860	2.2	0.1032	1.9	620	21	633	12	Globular beads
4.1c	1997	4053	2.03	—	0.0645	0.4	1.129	2.0	0.1269	1.9	760	9	770	14	In symplectite
5.1c	2299	15614	6.79	—	0.0676	0.3	1.425	1.9	0.1529	1.9	857	7	917	16	In biotite
6.1c	1925	447	0.23	—	0.0660	0.4	1.286	2.0	0.1413	1.9	808	8	852	15	In matrix
7.1c	2126	1786	0.84	—	0.0681	0.4	1.449	1.9	0.1543	1.9	872	8	925	16	In symplectite
8.1c	1667	1271	0.76	—	0.0677	0.6	1.447	2.0	0.1550	1.9	860	12	929	17	In biotite
9.1c	1642	7169	4.37	—	0.0682	0.4	1.424	2.0	0.1513	1.9	876	8	908	16	In matrix
10.1c	1825	9532	5.22	—	0.0682	0.4	1.409	2.0	0.1498	1.9	875	8	900	16	In matrix
11.1c	3071	53653	17.47	—	0.0677	1.3	1.392	2.3	0.1490	1.9	860	27	896	16	In matrix
11.2r	3108	19788	6.37	—	0.0673	0.4	1.370	2.0	0.1477	1.9	847	9	888	16	
12.1c	1895	3392	1.79	—	0.0628	0.9	0.991	2.1	0.1143	1.9	703	20	698	13	In matrix
13.1c	2405	28109	11.69	—	0.0679	0.3	1.431	1.9	0.1529	1.9	865	7	917	16	In matrix
14.1c	2433	8966	3.68	1.53	0.0601	8.5	0.869	8.7	0.1049	2.0	606	184	643	12	In symplectite
15.1c	3246	46583	14.35	—	0.0675	0.4	1.382	1.9	0.1485	1.9	852	7	893	16	In biotite
16.1c	4711	103584	21.99	—	0.0678	0.4	1.435	1.9	0.1536	1.9	862	7	921	16	In matrix
16.2r	2780	39342	14.15	—	0.0675	0.4	1.402	2.0	0.1506	1.9	854	9	904	16	
17.1c	2366	8296	3.51	—	0.0681	0.4	1.359	2.0	0.1448	1.9	871	8	871	16	In garnet
18.1c	7764	212146	27.32	—	0.0685	0.3	1.412	2.6	0.1496	2.6	882	6	899	22	In matrix
18.2r	6787	134097	19.76	0.05	0.0683	0.4	1.364	1.9	0.1449	1.9	877	8	872	15	
19.1c	7737	174797	22.59	0.08	0.0669	0.4	1.272	1.9	0.1378	1.9	835	8	832	15	In matrix
20.1c	7054	185616	26.31	0.26	0.0660	0.4	1.223	1.9	0.1345	1.8	806	9	813	14	In matrix
20.2r	3373	50380	14.93	0.12	0.0647	2.6	1.119	3.2	0.1254	1.9	764	55	762	14	
21.1c	1726	324	0.19	—	0.0668	0.5	1.325	2.0	0.1439	2.0	830	10	867	16	In biotite
Sample MB04-3															
1.1c	2062	70618	34.24	0.04	0.0617	0.87	0.92	2.0	0.109	1.8	664	19	665	11	Globular beads
2.1c	611	45570	74.60	0.09	0.0671	1.31	1.35	2.5	0.146	2.1	841	27	879	17	In symplectite
2.2r	2416	69973	28.96	0.22	0.0651	0.66	1.06	1.8	0.118	1.7	778	14	721	12	
3.1c	1211	48467	40.02	0.40	0.0665	0.93	1.16	2.0	0.126	1.8	821	19	766	13	In matrix
4.1c	1768	72343	40.92	0.24	0.0614	0.92	0.86	2.0	0.101	1.8	653	20	621	10	Globular beads
5.1c	1943	70546	36.30	0.16	0.0612	3.23	0.87	3.7	0.103	1.7	645	69	631	11	Globular beads
6.1c	1955	45991	23.52	0.17	0.0611	0.85	0.88	2.0	0.104	1.8	642	18	638	11	Globular beads
7.1c	3326	54903	16.51	0.25	0.0661	1.79	1.15	2.4	0.126	1.6	809	37	765	12	In symplectite
7.2r	1889	50906	26.95	0.09	0.0643	0.80	1.04	1.9	0.118	1.8	752	17	718	12	
8.1c	1532	46139	30.12	0.57	0.0813	0.56	2.15	1.8	0.191	1.8	1229	11	1129	18	In symplectite
8.2r	1861	54588	29.33	—	0.0675	0.78	1.40	2.1	0.151	1.9	853	16	905	16	
9.1c	1350	48362	35.82	0.31	0.0744	0.70	1.75	1.9	0.171	1.8	1052	14	1018	17	In symplectite
10.1c	3188	36958	11.59	0.49	0.0792	0.44	2.01	1.7	0.184	1.6	1178	9	1089	16	In matrix
10.2r	2493	61803	24.79	0.14	0.0667	2.99	1.23	3.4	0.134	1.7	827	62	808	13	
11.1c	979	40892	41.75	0.19	0.0657	0.89	1.13	2.1	0.125	1.9	797	19	757	14	In quartz
12.1c	2320	37709	16.25	—	0.0680	0.56	1.41	1.8	0.151	1.7	867	12	904	14	In symplectite
12.2r	2848	76646	26.92	0.05	0.0680	0.55	1.35	1.7	0.144	1.7	869	11	870	13	
13.1c	2316	58188	25.12	0.01	0.0692	0.56	1.46	1.8	0.153	1.7	903	12	919	14	In symplectite
13.2r	2655	64024	24.12	0.19	0.0684	0.59	1.31	1.8	0.139	1.7	881	12	840	13	
14.1c	2513	67861	27.00	0.04	0.0681	0.61	1.39	1.8	0.148	1.7	873	13	891	14	In biotite
14.2r	2714	70260	25.89	0.47	0.0707	7.16	1.38	7.4	0.142	1.7	948	147	855	13	
15.1c	3097	47933	15.48	0.00	0.0685	0.52	1.42	1.7	0.151	1.6	885	11	905	14	In symplectite
15.2r	3071	79641	25.93	—	0.0665	0.67	1.30	1.8	0.142	1.7	822	14	853	13	
16.1c	1576	50235	31.88	0.13	0.0625	0.85	0.99	1.9	0.115	1.7	691	18	702	11	In symplectite
17.1c	1921	119584	62.26	0.08	0.0594	1.65	0.86	2.5	0.105	1.9	580	36	646	12	Globular beads
18.1c	3184	72338	22.72	0.30	0.0821	2.49	2.32	3.0	0.205	1.7	1249	49	1202	19	In matrix
18.2r	3434	93759	27.31	0.10	0.0686	0.55	1.37	1.7	0.144	1.6	886	11	869	13	
19.1c	1193	45114	37.83	0.07	0.0692	0.80	1.48	2.0	0.155	1.8	905	17	927	16	In symplectite
20.1c	3337	57948	17.36	0.05	0.0657	0.61	1.19	1.7	0.131	1.6	796	13	795	12	In matrix
21.1c	1997	69556	34.84	0.74	0.0806	3.79	2.04	4.2	0.184	1.7	1211	75	1086	17	In matrix
21.2r	2666	69490	26.07	0.06	0.0663	0.63	1.23	1.8	0.134	1.7	817	13	812	13	
22.1c	996	66657	66.95	0.24	0.0680	1.25	1.40	2.3	0.150	1.9	869	26	900	16	In garnet
23.1c	752	71980	95.69	0.12	0.0693	1.17	1.46	2.4	0.153	2.1	907	24	917	18	In garnet
24.1c	4419	56429	12.77	0.09	0.0652	0.48	1.15	1.7	0.127	1.6	782	10	773	12	In symplectite
24.2r	2413	61572	25.52	0.03	0.0618	0.72	0.93	1.8	0.110	1.7	668	15	671	11	

25.1c	1831	70242	38.36	0.68	0.0813	2.35	2.12	2.9	0.189	1.7	1229	46	1115	18	In garnet
25.2r	2390	58873	24.63	0.02	0.0680	2.00	1.36	2.6	0.145	1.6	869	41	872	13	
26.1c	3211	88837	27.67	0.05	0.0628	0.60	0.98	1.7	0.113	1.6	700	13	690	11	In matrix
27.1c	1762	55638	31.57	0.15	0.0685	0.64	1.33	1.9	0.141	1.7	884	13	850	14	In plagioclase
28.1c	3118	31713	10.17	–	0.0697	0.44	1.49	1.7	0.155	1.6	920	9	930	14	In symplectite
28.2r	3194	82363	25.79	–	0.0682	0.53	1.39	1.7	0.148	1.6	874	11	888	14	
29.1c	2408	34956	14.51	0.53	0.0697	0.57	1.25	1.8	0.130	1.7	919	12	789	12	In matrix
30.1c	2060	55611	27.00	0.60	0.0734	0.64	1.51	1.8	0.150	1.7	1025	13	899	14	In matrix
30.2r	2341	60874	26.01	0.08	0.0664	2.42	1.23	3.0	0.134	1.7	818	51	811	13	
31.1c	2835	28841	10.17	–	0.0689	0.52	1.46	1.7	0.153	1.6	897	11	920	14	In garnet
32.1c	1520	52574	34.59	0.03	0.0863	0.54	2.79	1.9	0.234	1.8	1344	10	1357	22	In matrix
32.2r	2710	67929	25.07	–	0.0686	0.48	1.42	1.7	0.150	1.6	886	10	899	14	
33.1c	3023	88971	29.43	–	0.0676	0.56	1.43	1.7	0.154	1.6	855	12	923	14	In biotite
Sample MB04-6															
1.1c	2708	61020	22.54	–	0.0609	0.5	0.929	3.4	0.1106	3.4	637	11	676	22	Globular beads
2.1c	5217	222828	42.71	39.79	0.0919	17.8	1.512	17.9	0.1193	2.0	1465	338	727	14	Globular beads
3.1c	4881	111456	22.84	0.24	0.0692	0.3	1.345	1.9	0.1411	1.9	903	7	851	15	In symplectite
3.2r	9274	272607	29.40	0.12	0.0691	0.3	1.390	1.9	0.1459	1.9	902	7	878	15	
4.1c	2096	23881	11.39	–	0.0677	0.3	1.382	1.9	0.1481	1.9	859	7	890	16	In matrix
5.1c	3025	82129	27.15	1.04	0.0699	0.9	1.455	2.1	0.1509	1.9	926	18	906	16	In matrix
5.2r	2451	87975	35.90	0.13	0.0626	0.7	0.933	2.1	0.1081	2.0	695	14	661	13	
6.1c	1137	37340	32.85	0.16	0.0686	0.9	1.507	2.2	0.1592	2.0	888	18	952	18	In matrix
6.2r	1616	91114	56.38	–	0.0656	0.7	1.311	2.2	0.1449	2.1	794	15	872	17	
7.1c	2847	64599	22.69	–	0.0688	0.4	1.520	1.9	0.1602	1.9	894	8	958	17	In garnet
8.1c	2461	58160	23.64	–	0.0650	0.5	1.196	2.0	0.1334	1.9	775	10	807	15	In matrix
9.1c	1383	24921	18.02	0.01	0.0662	0.5	1.239	2.0	0.1358	2.0	812	10	821	15	In matrix
10.1c	2034	38150	18.76	0.13	0.0626	0.5	0.969	2.0	0.1122	1.9	694	11	686	13	In matrix
11.1c	3313	127126	38.37	–	0.0683	0.4	1.457	1.9	0.1548	1.9	877	8	928	16	In plagioclase

Common ²⁰⁶Pb (%) represents the proportion of common ²⁰⁶Pb in total ²⁰⁶Pb measured. Common Pb was corrected using the measured ²⁰⁴Pb. All uncertainties are 1σ. c–core; r–rim.

Table SII. SIMS U-Pb rutile analyses for leucogneisses from Mount Brown

Spot	U	Common	Isotopic ratios				Ages (Ma)	
	(ppm)	²⁰⁶ Pb (%)	²³⁸ U/ ²⁰⁶ Pb	±σ(%)	²⁰⁷ Pb/ ²⁰⁶ Pb	±σ(%)	²⁰⁶ Pb/ ²³⁸ U	±σ
Sample MB04-1								
1	1.9	50.44	6.65	2.7	0.4540	1.9	494	32
2	0.9	18.40	10.85	3.6	0.2043	5.1	472	19
3	27.0	24.22	9.49	3.1	0.2421	8.7	510	25
4	5.1	66.74	3.44	9.6	0.6009	4.2	635	105
5	3.5	70.21	3.94	4.8	0.6097	1.6	541	71
6	1.7	47.57	6.20	2.8	0.4217	2.0	566	32
7	2.5	72.02	3.67	2.8	0.6241	1.4	552	75
8	8.2	12.98	10.40	2.7	0.1578	2.6	524	15
9	10.7	17.51	10.06	3.8	0.1959	7.8	515	23
10	3.0	11.02	11.35	2.7	0.1336	3.4	497	14
11	3.4	24.23	9.66	2.7	0.2367	2.0	505	16
12	2.5	53.65	6.18	3.5	0.4756	2.1	505	37
13	12.0	1.01	11.96	2.8	0.0641	2.2	514	14
14	0.8	4.24	12.01	3.9	0.1098	16.1	484	22
15	11.9	63.20	5.05	2.7	0.5560	1.3	501	49
16	13.2	1.19	12.05	2.7	0.0660	1.7	509	14
17	9.5	3.28	12.11	2.7	0.0812	1.9	497	13
18	7.1	20.30	9.09	11.2	0.2139	13.2	554	64
19	2.2	1.31	11.51	2.8	0.0744	3.9	527	15
20	1.5	16.40	9.77	2.9	0.1785	4.5	542	17
21	3.3	36.50	8.10	2.9	0.3396	2.5	509	23
22	20.8	2.66	11.87	2.7	0.0761	2.3	510	14
23	2.7	48.06	6.11	2.7	0.4328	2.7	561	35
24	9.5	1.27	11.96	2.8	0.0675	2.5	512	14
25	11.1	1.58	11.10	2.8	0.0679	6.5	550	15
Sample MB04-7								
1	7.8	0.05	11.90	4.1	0.0583	0.7	520	21
2	32.7	6.66	11.02	4.2	0.1074	5.4	526	26
3	25.9	0.00	11.21	3.6	0.0569	1.4	552	20
4	138.7	0.02	11.80	3.4	0.0586	0.7	524	17
5	26.2	0.51	10.47	6.4	0.0630	2.4	586	38
6	158.8	12.49	11.14	3.4	0.1532	1.4	488	18
7	19.4	0.16	11.87	4.1	0.0614	2.0	519	22
8	122.5	2.59	11.52	3.7	0.0780	1.1	523	19
9	19.5	0.20	11.57	3.5	0.0602	2.8	533	19
10	29.4	5.08	11.45	3.5	0.0980	0.9	513	18
11	37.2	2.15	12.37	3.4	0.0736	1.0	491	17
12	21.1	2.11	11.84	4.3	0.0735	5.5	513	24
13	15.4	0.06	12.55	3.5	0.0584	0.7	493	17
14	13.7	0.33	12.66	4.3	0.0646	4.9	485	22
15	160.9	0.01	12.34	3.4	0.0580	0.8	502	17
16	15.3	0.94	11.38	3.7	0.0630	1.7	540	20
17	5.7	30.83	8.19	3.8	0.2964	3.2	524	28
18	68.1	0.02	11.64	5.7	0.0594	0.7	530	30
19	34.1	0.00	12.44	5.7	0.0566	0.8	499	28
20	9.8	0.01	11.88	4.7	0.0579	2.4	521	25
21	11.6	0.90	11.89	3.9	0.0678	4.9	514	22
22	27.6	0.00	8.50	13.7	0.0640	1.1	716	96
23	14.5	2.04	10.36	5.0	0.0723	1.6	585	29
24	79.9	75.57	3.38	3.7	0.6534	0.4	431	21
25	91.8	41.88	6.85	5.1	0.3798	4.5	529	46
26	54.9	0.04	10.09	6.3	0.0611	1.3	608	38
27	21.1	0.08	12.10	4.6	0.0580	1.9	512	24
28	137.1	9.05	11.13	3.3	0.1289	1.8	505	18
29	36.3	22.40	9.61	3.3	0.2235	3.1	507	22
30	23.7	0.01	12.29	8.0	0.0586	0.2	503	40

Common ²⁰⁶Pb (%) represents the proportion of common ²⁰⁶Pb in total ²⁰⁶Pb measured. Common Pb was corrected using ²⁰⁷Pb. All uncertainties are 1σ.

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
16D26293	1.8 %	0.0071068	0.04909	0.0365139	0.02374	40.617	2371.89 ± 2492.58	95.08	0.01	0.208 ± 1.980
16D26294	1.9 %	0.0091252	0.19586	0.0325318	0.06355	42.791	1313.24 ± 677.99	94.07	0.03	0.140 ± 0.344
16D26296	2.0 %	0.0089038	0.24360	0.0135433	0.04875	105.073	2686.04 ± 1269.79	97.56	0.02	0.086 ± 0.170
16D26297	2.1 %	0.0057995	0.18604	0.0458131	0.06959	23.985	788.20 ± 417.93	93.33	0.03	0.161 ± 0.405
16D26298	2.2 %	0.0066094	0.16732	0.0473593	0.04797	33.110	1336.48 ± 928.64	94.43	0.02	0.123 ± 0.335
16D26299	2.3 %	0.0048963	0.02916	0.0215492	0.07862	14.922	475.59 ± 236.85	91.16	0.04	1.159 ± 16.808
16D26301	2.4 %	0.0039087	0.18279	0.0439470	0.05450	22.984	925.70 ± 563.65	95.21	0.03	0.128 ± 0.321
16D26302	2.6 %	0.0140371	0.09152	0.0514192	0.08484	159.638	2498.88 ± 681.67	97.47	0.04	0.399 ± 1.915
16D26303	2.8 %	0.0136660	0.16546	0.0155607	0.07323	64.003	1571.96 ± 623.26	94.06	0.04	0.190 ± 0.527
16D26304	3.0 %	0.0116042	0.10750	0.0345396	0.03365	38.366	1866.52 ± 1540.43	91.80	0.02	0.135 ± 0.566
16D26305	3.2 %	0.0257817	0.15890	0.0051112	0.10309	137.457	2053.79 ± 538.73	94.75	0.05	0.279 ± 0.830
16D26307	3.4 %	0.0192086	0.19914	0.0000000	0.07460	50.729	1322.44 ± 567.00	89.94	0.04	0.161 ± 0.378
16D26308	3.7 %	0.0340607	0.01090	0.0178694	0.12119	167.624	2099.00 ± 433.60	94.34	0.06	4.782 ± 205.810
16D26309	4.0 %	0.0351307	0.15773	0.0403984	0.17266	137.293	1474.74 ± 259.27	92.97	0.09	0.471 ± 1.335
16D26310	4.3 %	0.0179404	0.03190	0.0265435	0.10102	59.541	1192.96 ± 392.04	91.82	0.05	1.362 ± 19.320
16D26311	4.7 %	0.0384515	0.09625	0.0000000	0.16608	187.211	1853.27 ± 304.63	94.28	0.08	0.742 ± 3.501
16D26313	5.0 %	0.0366845	0.49974	0.0181046	0.27329	150.266	1133.36 ± 131.41	93.27	0.13	0.235 ± 0.217
16D26314	5.3 %	0.0245873	0.64421	0.0000000	0.20366	93.757	990.87 ± 159.89	92.81	0.10	0.136 ± 0.100
16D26315	5.7 %	0.0257635	0.38518	0.0000000	0.28386	204.421	1377.02 ± 155.72	96.41	0.14	0.317 ± 0.371
16D26316	6.0 %	0.0238694	0.28265	0.0000000	0.37551	149.451	884.43 ± 84.14	95.49	0.19	0.571 ± 0.859
16D26318	6.4 %	0.0288769	0.08755	0.0000000	0.49248	214.495	949.25 ± 66.04	96.17	0.24	2.419 ± 12.698
16D26319	6.8 %	0.0499288	0.57924	0.0000000	0.91725	629.925	1331.76 ± 43.26	97.71	0.45	0.681 ± 0.523
16D26320	7.2 %	0.0296684	0.23019	0.0000000	1.00566	349.792	794.03 ± 27.77	97.55	0.50	1.879 ± 3.772
16D26321	7.6 %	0.0200275	0.56189	0.0000000	1.00557	312.997	725.19 ± 26.46	98.14	0.50	0.770 ± 0.632
16D26322	8.0 %	0.0251547	0.53644	0.0021940	1.13157	359.283	737.14 ± 22.71	97.97	0.56	0.907 ± 0.737
16D26324	8.5 %	0.0102136	0.47118	0.0000000	1.02958	289.688	666.88 ± 23.74	98.97	0.51	0.940 ± 0.897
16D26325	9.0 %	0.0196444	0.92525	0.0114927	1.60200	570.247	809.01 ± 17.05	98.99	0.79	0.745 ± 0.352
16D26326	9.5 %	0.0249410	2.84497	0.0422497	2.57463	916.194	808.81 ± 11.83	99.20	1.27	0.389 ± 0.063
16D26327	10.0 %	0.0238740	4.95499	0.0494991	3.57443	1102.147	719.58 ± 7.49	99.36	1.76	0.310 ± 0.027
16D26329	10.5 %	0.0301216	12.01191	0.1193653	6.80551	2108.803	722.51 ± 3.90	99.58	3.36	0.244 ± 0.009
16D26330	11.0 %	0.0253626	12.04985	0.1313379	6.59758	2067.321	729.19 ± 4.08	99.64	3.26	0.235 ± 0.009
16D26331	11.5 %	✓ 0.0476053	31.16605	0.3287693	15.25934	5008.268	757.43 ± 1.94	99.72	7.53	0.211 ± 0.003
16D26332	12.0 %	✓ 0.0297335	25.56361	0.2584110	12.44048	4053.528	752.95 ± 2.44	99.78	6.14	0.209 ± 0.004
16D26334	12.5 %	✓ 0.0465661	51.40361	0.5682803	24.31692	7912.072	752.07 ± 1.41	99.83	12.00	0.203 ± 0.002
16D26335	13.0 %	✓ 0.0241413	27.86761	0.2629455	13.65334	4388.965	744.65 ± 2.23	99.84	6.74	0.211 ± 0.004
16D26336	13.5 %	✓ 0.0397087	42.19383	0.4568477	20.51029	6525.336	738.36 ± 1.61	99.82	10.12	0.209 ± 0.003
16D26338	14.0 %	✓ 0.0251210	22.05643	0.1806159	10.92245	3448.693	733.77 ± 2.68	99.78	5.39	0.213 ± 0.005
16D26507	14.5 %	✓ 0.0094867	7.21831	0.0770545	3.93944	1223.708	723.98 ± 7.50	99.77	1.94	0.235 ± 0.016
16D26508	15.0 %	✓ 0.0126879	10.66403	0.1337092	5.56137	1753.861	733.05 ± 5.07	99.79	2.74	0.224 ± 0.010
16D26510	15.5 %	✓ 0.0215713	24.45734	0.2760536	12.07366	3858.285	741.05 ± 2.65	99.83	5.96	0.212 ± 0.005
16D26511	16.0 %	✓ 0.0400551	39.61959	0.4725525	19.64958	6137.644	727.29 ± 1.68	99.81	9.70	0.213 ± 0.003
16D26513	16.5 %	✓ 0.0256816	27.18368	0.3288398	13.48850	4378.782	750.67 ± 2.33	99.83	6.66	0.213 ± 0.004
16D26514	17.0 %	✓ 0.0098125	8.62067	0.1128245	4.40850	1426.565	748.71 ± 6.76	99.80	2.18	0.220 ± 0.013
16D26516	17.5 %	✓ 0.0113482	10.56454	0.1305068	5.43932	1781.652	756.19 ± 5.33	99.81	2.68	0.221 ± 0.010
16D26517	18.0 %	✓ 0.0136463	16.67674	0.2090452	8.30138	2660.759	742.87 ± 3.52	99.85	4.10	0.214 ± 0.006
16D26519	18.5 %	✓ 0.0046677	6.95456	0.0091552	3.47827	1094.175	731.54 ± 8.42	99.87	1.72	0.215 ± 0.016

Σ 1.0167821 389.51468 4.6125536 202.63250 66456.422

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB04-8 Material = Hornblende Location = South Shetlands Islands Analyst = Dan Miggins Project = ANTARCTICA GAO (15-54) Mass Discrimination Law = LIN Irradiation = 16-OSU-03 (3C12-16) J = 0.00158504 ± 0.00000176 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	321.07798 ± 2.78323	743.93 ± 5.46	71.36	85.59	0.210 ± 0.002
	Error Mean	± 0.87%	± 0.73%	0%	15	
			Full External Error ± 16.28	1.76	2σ Confidence Limit	
			Analytical Error ± 5.29	8.4474	Error Magnification	
	Total Fusion Age	327.96527 ± 0.50832	756.97 ± 1.67		46	0.224 ± 0.002
		± 0.15%	± 0.22%			
			Full External Error ± 15.67			
			Analytical Error ± 0.96			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D26293	1.8 %	3.34 ± 6.31	6010.76 ± 566.76	0.0499
16D26294	1.9 %	6.96 ± 5.08	4984.87 ± 367.57	0.1008
16D26296	2.0 %	5.47 ± 4.99	12096.47 ± 939.13	0.0852
16D26297	2.1 %	12.00 ± 7.96	4431.23 ± 498.70	0.1692
16D26298	2.2 %	7.26 ± 7.17	5305.01 ± 523.48	0.0997
16D26299	2.3 %	16.06 ± 9.35	3343.06 ± 455.56	0.2331
16D26301	2.4 %	13.94 ± 11.09	6175.86 ± 1032.03	0.2098
16D26302	2.6 %	6.04 ± 3.06	11668.08 ± 601.12	0.1018
16D26303	2.8 %	5.36 ± 3.19	4978.88 ± 257.49	0.0867
16D26304	3.0 %	2.90 ± 3.84	3601.74 ± 218.05	0.0456
16D26305	3.2 %	4.00 ± 1.76	5627.05 ± 177.56	0.0716
16D26307	3.4 %	3.88 ± 2.35	2936.44 ± 115.51	0.0647
16D26308	3.7 %	3.56 ± 1.25	5216.83 ± 138.71	0.0759
16D26309	4.0 %	4.91 ± 1.27	4203.56 ± 109.83	0.1010
16D26310	4.3 %	5.63 ± 2.54	3614.32 ± 150.47	0.0921
16D26311	4.7 %	4.32 ± 1.14	5164.26 ± 118.88	0.0872
16D26313	5.0 %	7.45 ± 1.18	4391.68 ± 107.64	0.1550
16D26314	5.3 %	8.28 ± 1.75	4108.71 ± 125.57	0.1440
16D26315	5.7 %	11.02 ± 1.81	8230.02 ± 260.89	0.1925
16D26316	6.0 %	15.73 ± 1.97	6556.69 ± 226.22	0.2756
16D26318	6.4 %	17.05 ± 1.60	7723.41 ± 225.13	0.3098
16D26319	6.8 %	18.37 ± 0.92	12911.97 ± 256.17	0.3967
16D26320	7.2 %	33.90 ± 1.78	12085.56 ± 362.72	0.5704
16D26321	7.6 %	50.21 ± 2.99	15923.90 ± 633.98	0.6685
16D26322	8.0 %	44.98 ± 2.27	14578.41 ± 494.41	0.6707
16D26324	8.5 %	100.80 ± 7.96	28658.29 ± 1905.11	0.8421
16D26325	9.0 %	81.55 ± 3.84	29323.91 ± 1148.93	0.8319
16D26326	9.5 %	103.23 ± 3.99	37029.99 ± 1264.99	0.8832
16D26327	10.0 %	149.72 ± 5.56	46460.70 ± 1622.97	0.9405
16D26329	10.5 %	225.93 ± 7.93	70305.08 ± 2425.68	0.9825
16D26330	11.0 %	260.13 ± 10.40	81806.25 ± 3223.40	0.9854
16D26331	11.5 % ✓	320.54 ± 9.16	105499.40 ± 2997.88	0.9940
16D26332	12.0 % ✓	418.40 ± 16.27	136624.25 ± 5284.89	0.9948
16D26334	12.5 % ✓	522.20 ± 15.39	170205.88 ± 4999.93	0.9970
16D26335	13.0 % ✓	565.56 ± 26.03	182098.68 ± 8356.02	0.9969
16D26336	13.5 % ✓	516.52 ± 18.09	164625.72 ± 5749.84	0.9971
16D26338	14.0 % ✓	434.79 ± 17.57	137578.85 ± 5527.36	0.9939
16D26507	14.5 % ✓	415.26 ± 34.98	129286.91 ± 10774.85	0.9888
16D26508	15.0 % ✓	438.32 ± 30.28	138526.53 ± 9502.96	0.9926
16D26510	15.5 % ✓	559.71 ± 28.11	179157.19 ± 8966.53	0.9962
16D26511	16.0 % ✓	490.56 ± 14.69	153525.35 ± 4578.72	0.9956
16D26513	16.5 % ✓	525.22 ± 21.93	170797.94 ± 7104.27	0.9959
16D26514	17.0 % ✓	449.27 ± 35.50	145677.25 ± 11403.82	0.9902
16D26516	17.5 % ✓	479.31 ± 36.64	157294.37 ± 11950.56	0.9936
16D26517	18.0 % ✓	608.33 ± 40.09	195276.19 ± 12821.82	0.9962
16D26519	18.5 % ✓	745.18 ± 111.57	234709.00 ± 34993.00	0.9956

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	6216.96 ± 7155.04	308.06378 ± 15.24752	719.04 ± 29.39	60.42
No Convergence	± 115.09%	± 4.95%	± 4.09%	0%
			Full External Error ± 32.94	
			Analytical Error ± 29.36	
Statistics	2σ Confidence Limit	1.78	Convergence	0.043710071473
	Error Magnification	7.7730	Number of Iterations	100
	Number of Data Points	15	Calculated Line	Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D26293	1.8 %	0.0005557 ± 0.0010483	0.00016637 ± 0.00001569	0.0001
16D26294	1.9 %	0.0013971 ± 0.0010146	0.00020061 ± 0.00001479	0.0002
16D26296	2.0 %	0.0004526 ± 0.0004108	0.00008267 ± 0.00000642	0.0000
16D26297	2.1 %	0.0027079 ± 0.0017712	0.00022567 ± 0.00002540	0.0004
16D26298	2.2 %	0.0013682 ± 0.0013448	0.00018850 ± 0.00001860	0.0002
16D26299	2.3 %	0.0048032 ± 0.0027196	0.00029913 ± 0.00004076	0.0009
16D26301	2.4 %	0.0022577 ± 0.0017563	0.00016192 ± 0.00002706	0.0003
16D26302	2.6 %	0.0005180 ± 0.0002607	0.00008570 ± 0.00000442	0.0000
16D26303	2.8 %	0.0010763 ± 0.0006388	0.00020085 ± 0.00001039	0.0001
16D26304	3.0 %	0.0008051 ± 0.0010653	0.00027764 ± 0.00001681	0.0001
16D26305	3.2 %	0.0007106 ± 0.0003119	0.00017771 ± 0.00000561	0.0001
16D26307	3.4 %	0.0013226 ± 0.0007995	0.00034055 ± 0.00001340	0.0003
16D26308	3.7 %	0.0006820 ± 0.0002381	0.00019169 ± 0.00000510	0.0001
16D26309	4.0 %	0.0011692 ± 0.0003006	0.00023789 ± 0.00000622	0.0001
16D26310	4.3 %	0.0015579 ± 0.0006993	0.00027668 ± 0.00001152	0.0003
16D26311	4.7 %	0.0008364 ± 0.0002197	0.00019364 ± 0.00000446	0.0001
16D26313	5.0 %	0.0016963 ± 0.0002647	0.00022770 ± 0.00000558	0.0002
16D26314	5.3 %	0.0020160 ± 0.0004225	0.00024339 ± 0.00000744	0.0003
16D26315	5.7 %	0.0013387 ± 0.0002163	0.00012151 ± 0.00000385	0.0001
16D26316	6.0 %	0.0023994 ± 0.0002886	0.00015252 ± 0.00000526	0.0002
16D26318	6.4 %	0.0022082 ± 0.0001974	0.00012948 ± 0.00000377	0.0002
16D26319	6.8 %	0.0014228 ± 0.0000653	0.00007745 ± 0.00000154	0.0001
16D26320	7.2 %	0.0028047 ± 0.0001212	0.00008274 ± 0.00000248	0.0001
16D26321	7.6 %	0.0031531 ± 0.0001396	0.00006280 ± 0.00000250	0.0001
16D26322	8.0 %	0.0030857 ± 0.0001157	0.00006859 ± 0.00000233	0.0001
16D26324	8.5 %	0.0035174 ± 0.0001497	0.00003489 ± 0.00000232	0.0001
16D26325	9.0 %	0.0027810 ± 0.0000727	0.00003410 ± 0.00000134	0.0001
16D26326	9.5 %	0.0027877 ± 0.0000506	0.00002701 ± 0.00000092	0.0001
16D26327	10.0 %	0.0032225 ± 0.0000407	0.00002152 ± 0.00000075	0.0001
16D26329	10.5 %	0.0032136 ± 0.0000210	0.00001422 ± 0.00000049	0.0000
16D26330	11.0 %	0.0031798 ± 0.0000216	0.00001222 ± 0.00000048	0.0000
16D26331	11.5 % ✓	0.0030383 ± 0.0000095	0.00000948 ± 0.00000027	0.0000
16D26332	12.0 % ✓	0.0030624 ± 0.0000121	0.00000732 ± 0.00000028	0.0000
16D26334	12.5 % ✓	0.0030681 ± 0.0000070	0.00000588 ± 0.00000017	0.0000
16D26335	13.0 % ✓	0.0031058 ± 0.0000113	0.00000549 ± 0.00000025	0.0000
16D26336	13.5 % ✓	0.0031375 ± 0.0000083	0.00000607 ± 0.00000021	0.0000
16D26338	14.0 % ✓	0.0031603 ± 0.0000140	0.00000727 ± 0.00000029	0.0000
16D26507	14.5 % ✓	0.0032119 ± 0.0000403	0.00000773 ± 0.00000064	0.0033
16D26508	15.0 % ✓	0.0031642 ± 0.0000266	0.00000722 ± 0.00000050	0.0029
16D26510	15.5 % ✓	0.0031241 ± 0.0000136	0.00000558 ± 0.00000028	0.0016
16D26511	16.0 % ✓	0.0031953 ± 0.0000090	0.00000651 ± 0.00000019	0.0017
16D26513	16.5 % ✓	0.0030751 ± 0.0000117	0.00000585 ± 0.00000024	0.0017
16D26514	17.0 % ✓	0.0030840 ± 0.0000340	0.00000686 ± 0.00000054	0.0029
16D26516	17.5 % ✓	0.0030472 ± 0.0000263	0.00000636 ± 0.00000048	0.0025
16D26517	18.0 % ✓	0.0031152 ± 0.0000180	0.00000512 ± 0.00000034	0.0019
16D26519	18.5 % ✓	0.0031749 ± 0.0000444	0.00000426 ± 0.00000064	0.0021

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	12356.75 ± 7482.80	296.00111 ± 16.82778	695.66 ± 32.85	56.03
Error Chron	± 60.56%	± 5.69%	± 4.72%	0%
			Full External Error ± 35.88	
			Analytical Error ± 32.83	
Statistics	2σ Confidence Limit	1.78	Convergence	0.0003610207
	Error Magnification	7.4851	Number of Iterations	30
	Number of Data Points	15	Calculated Line	Weighted York-2
	Spreading Factor	5.1%		

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
16D26293	1.8 %	0.0071263	4.620	0.04909	466.590	0.0381313	64.579	0.02377	94.195	42.717	0.165	1711.18958 #####	2371.89 ± 2492.58	95.08	0.01	0.208 ± 1.980
16D26294	1.9 %	0.0091831	3.598	0.19586	117.961	0.0350159	69.582	0.06368	36.234	45.488	0.155	673.32823 ± 488.99408	1313.24 ± 677.99	94.07	0.03	0.140 ± 0.344
16D26296	2.0 %	0.0089710	3.800	0.24360	87.473	0.0158114	155.475	0.04891	45.232	107.704	0.066	2155.55566 #####	2686.04 ± 1269.79	97.56	0.02	0.086 ± 0.170
16D26297	2.1 %	0.0058571	5.469	0.18604	121.447	0.0477477	47.993	0.06971	32.644	25.699	0.271	344.66940 ± 225.46608	788.20 ± 417.93	93.33	0.03	0.161 ± 0.405
16D26298	2.2 %	0.0066623	4.816	0.16732	126.666	0.0491837	48.248	0.04808	49.030	35.063	0.200	690.20023 ± 678.43472	1336.48 ± 928.64	94.43	0.02	0.123 ± 0.335
16D26299	2.3 %	0.0049078	6.686	0.02916	724.352	0.0234123	103.455	0.07864	28.299	16.369	0.426	189.79057 ± 107.49223	475.59 ± 236.85	91.16	0.04	1.159 ± 16.808
16D26301	2.4 %	0.0039650	8.100	0.18279	118.978	0.0453463	51.727	0.05462	38.807	24.140	0.290	421.74357 ± 328.10757	925.70 ± 563.65	95.21	0.03	0.128 ± 0.321
16D26302	2.6 %	0.0140705	2.536	0.09152	238.934	0.0550700	44.690	0.08490	25.149	163.786	0.044	1881.58481 ± 947.12011	2498.88 ± 681.67	97.47	0.04	0.399 ± 1.915
16D26303	2.8 %	0.0136246	2.554	0.16546	135.337	0.0189840	121.370	0.07312	29.718	68.041	0.104	873.94112 ± 518.66319	1571.96 ± 623.26	94.06	0.04	0.190 ± 0.527
16D26304	3.0 %	0.0115816	2.988	0.10750	199.670	0.0371056	64.941	0.03358	66.302	41.795	0.169	1140.15925 #####	1866.52 ± 1540.43	91.80	0.02	0.135 ± 0.566
16D26305	3.2 %	0.0258250	1.556	0.15890	147.095	0.0111815	214.268	0.10319	21.920	145.076	0.049	1333.39907 ± 585.19470	2053.79 ± 538.73	94.75	0.05	0.279 ± 0.830
16D26307	3.4 %	0.0192616	1.932	0.19914	113.370	0.0004386	5611.894	0.07474	30.167	56.405	0.125	679.98333 ± 411.03074	1322.44 ± 567.00	89.94	0.04	0.161 ± 0.378
16D26308	3.7 %	0.0340667	1.316	0.01090	2151.822	0.0256942	98.558	0.12120	17.456	177.689	0.041	1383.12669 ± 482.92323	2099.00 ± 433.60	94.34	0.06	4.782 ± 205.810
16D26309	4.0 %	0.0351798	1.293	0.15773	141.182	0.0490529	48.028	0.17277	12.848	147.675	0.048	795.16762 ± 204.46460	1474.74 ± 259.27	92.97	0.09	0.471 ± 1.335
16D26310	4.3 %	0.0179535	2.050	0.03190	709.140	0.0311142	79.607	0.10104	22.437	64.843	0.109	589.39903 ± 264.55921	1192.96 ± 392.04	91.82	0.05	1.362 ± 19.320
16D26311	4.7 %	0.0384771	1.139	0.09625	235.575	0.0006756	3743.540	0.16615	13.131	198.574	0.037	1127.22488 ± 296.16955	1853.27 ± 304.63	94.28	0.08	0.742 ± 3.501
16D26313	5.0 %	0.0368207	1.209	0.49974	45.426	0.0282848	86.795	0.27363	7.792	161.107	0.045	549.83979 ± 85.80276	1133.36 ± 131.41	93.27	0.13	0.235 ± 0.217
16D26314	5.3 %	0.0244158	1.517	0.64421	35.075	0.0096133	262.133	0.20322	10.501	101.023	0.070	460.36756 ± 96.48989	990.87 ± 159.89	92.81	0.10	0.136 ± 0.100
16D26315	5.7 %	0.0258661	1.561	0.38518	57.997	0.0105012	233.730	0.28412	8.070	212.035	0.035	720.15337 ± 116.34620	1377.02 ± 155.72	96.41	0.14	0.317 ± 0.371
16D26316	6.0 %	0.0239447	1.703	0.28265	74.947	0.0055843	426.571	0.37570	6.010	156.506	0.046	397.99322 ± 47.87108	884.43 ± 84.14	95.49	0.19	0.571 ± 0.859
16D26318	6.4 %	0.0289003	1.440	0.08755	262.466	0.0153537	167.458	0.49254	4.470	223.030	0.033	435.54016 ± 38.94598	949.25 ± 66.04	96.17	0.24	2.419 ± 12.698
16D26319	6.8 %	0.0500830	0.982	0.57924	38.314	0.0075446	326.811	0.91764	2.294	644.682	0.012	686.75680 ± 31.52377	1331.76 ± 43.26	97.71	0.45	0.681 ± 0.523
16D26320	7.2 %	0.0297297	1.483	0.23019	100.358	0.0137062	180.851	1.00582	2.160	358.563	0.021	347.82177 ± 15.02957	794.03 ± 27.77	97.55	0.50	1.879 ± 3.772
16D26321	7.6 %	0.0201771	1.952	0.56189	40.978	0.0129603	189.147	1.00595	2.213	318.919	0.023	311.26222 ± 13.78499	725.19 ± 26.46	98.14	0.50	0.770 ± 0.632
16D26322	8.0 %	0.0252980	1.670	0.53644	40.600	0.0205478	118.294	1.13193	1.874	366.720	0.021	317.50885 ± 11.90955	737.14 ± 22.71	97.97	0.56	0.907 ± 0.737
16D26324	8.5 %	0.0103391	3.232	0.47118	47.672	0.0276803	88.174	1.02990	2.127	292.710	0.025	281.36564 ± 11.97822	666.88 ± 23.74	98.57	0.51	0.940 ± 0.897
16D26325	9.0 %	0.0198928	1.912	0.92525	23.583	0.0345043	67.541	1.60263	1.306	576.058	0.014	355.95884 ± 9.30442	809.01 ± 17.05	98.99	0.79	0.745 ± 0.352
16D26326	9.5 %	0.0257060	1.640	2.84497	8.065	0.0780908	31.897	2.57655	0.906	923.573	0.009	355.85409 ± 6.45449	808.81 ± 11.83	99.20	1.27	0.389 ± 0.063
16D26327	10.0 %	0.0252022	1.639	4.95499	4.270	0.0973209	25.033	3.57778	0.630	1109.216	0.008	308.34202 ± 3.89069	719.58 ± 7.49	99.36	1.76	0.310 ± 0.027
16D26329	10.5 %	0.033414	1.548	12.01191	1.839	0.2077346	11.468	6.81362	0.327	2117.730	0.005	309.86698 ± 2.02918	722.51 ± 3.90	99.58	3.36	0.244 ± 0.009
16D26330	11.0 %	0.0285945	1.734	12.04985	1.945	0.2163188	10.933	6.60572	0.339	2074.841	0.005	313.34551 ± 2.13016	729.19 ± 4.08	99.64	3.26	0.235 ± 0.009
16D26331	11.5 %	✓ 0.0559626	1.203	31.16605	0.781	0.5234895	4.717	15.28039	0.156	5022.393	0.003	328.21004 ± 1.02697	757.43 ± 1.94	99.72	7.53	0.211 ± 0.003
16D26332	12.0 %	✓ 0.0365864	1.562	25.56361	0.934	0.4154750	6.207	12.45775	0.198	4062.362	0.003	325.83383 ± 1.29178	752.95 ± 2.44	99.78	6.14	0.209 ± 0.004
16D26334	12.5 %	✓ 0.0603547	1.125	51.40361	0.564	0.8732312	2.641	24.35165	0.115	7925.925	0.002	325.37311 ± 0.74665	752.07 ± 1.41	99.83	12.00	0.203 ± 0.002
16D26335	13.0 %	✓ 0.0316086	1.740	27.86761	0.866	0.4337218	5.568	13.67217	0.182	4396.151	0.004	321.45715 ± 1.17358	744.65 ± 2.23	99.84	6.74	0.211 ± 0.004
16D26336	13.5 %	✓ 0.0510251	1.351	42.19383	0.652	0.7140581	3.423	20.53880	0.132	6537.148	0.003	318.14939 ± 0.84305	738.36 ± 1.61	99.82	10.12	0.209 ± 0.003
16D26338	14.0 %	✓ 0.0310263	1.613	22.05643	1.106	0.3183026	7.597	10.93735	0.222	3456.158	0.003	315.74359 ± 1.40345	733.77 ± 2.68	99.78	5.39	0.213 ± 0.005
16D26507	14.5 %	✓ 0.0114226	3.416	7.21831	3.268	0.1267412	19.415	3.94431	0.620	1226.527	0.093	310.63028 ± 3.90267	723.98 ± 7.50	99.77	1.94	0.235 ± 0.016
16D26508	15.0 %	✓ 0.0155514	2.767	10.66403	2.254	0.2037550	11.871	5.56857	0.415	1757.631	0.065	315.36506 ± 2.65496	733.05 ± 5.07	99.79	2.74	0.224 ± 0.010
16D26510	15.5 %	✓ 0.0281333	1.902	24.45734	1.083	0.4270995	5.967	12.09018	0.216	3864.706	0.030	319.56224 ± 1.39359	741.05 ± 2.65	99.83	5.96	0.212 ± 0.005
16D26511	16.0 %	✓ 0.0506896	1.169	39.61959	0.692	0.7192876	3.468	19.67635	0.139	6149.555	0.019	312.35492 ± 0.87701	727.29 ± 1.68	99.81	9.70	0.213 ± 0.003
16D26513	16.5 %	✓ 0.0329790	1.606	27.18368	0.941	0.4978717	4.728	13.50687	0.187	4386.422	0.026	324.63065 ± 1.23084	750.67 ± 2.33	99.83	6.66	0.213 ± 0.004
16D26514	17.0 %	✓ 0.0121282	3.118	8.62067	2.898	0.1683161	14.486	4.41433	0.545	1429.482	0.080	323.59410 ± 3.57044	748.71 ± 6.76	99.80	2.18	0.220 ± 0.013
16D26516	17.5 %	✓ 0.0141847	3.004	10.56454	2.293	0.1988268	12.884	5.44646	0.426	1785.026	0.064	327.55049 ± 2.82521	756.19 ± 5.33	99.81	2.68	0.221 ± 0.010
16D26517	18.0 %	✓ 0.0181244	2.446	16.67674	1.443	0.3126669	7.134	8.31264	0.285	2664.823	0.043	320.52020 ± 1.85077	742.87 ± 3.52	99.85	4.10	0.214 ± 0.006
16D26519	18.5 %	✓ 0.0065213	5.238	6.95456	3.566	0.0523740	44.752	3.48297	0.691	1095.568	0.104	314.57411 ± 4.40167	731.54 ± 8.42	99.87	1.72	0.215 ± 0.016
Σ		1.1213226	0.268	389.51468	0.406	7.0632522	2.336	202.89565	0.077	66757.656	0.005					

Information on Analysis and Constants Used in Calculations		Results		40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB04-8	Age Equations = Min et al. (2000)	Age Plateau			321.07798 ± 2.78323	743.93 ± 5.46	71.36	85.59	0.210 ± 0.002
Material = Hornblende	Negative Intensities = Allowed	Error Mean			± 0.87%	± 0.73%	0%	15	
Location = South Shetlands Islands	Decay 40K = 5.530 ± 0.048 E-10 1/a					Full External Error ± 16.28		2σ Confidence Limit	
Analyst = Dan Miggins	Decay 39Ar = 2.940 ± 0.016 E-07 1/h					Analytical Error ± 5.29	8.4474	Error Magnification	
Project = ANTARCTICA GAO (15-54)	Decay 37Ar = 8.230 ± 0.012 E-04 1/h	Total Fusion Age			327.96527 ± 0.50832	756.97 ± 1.67		46	0.224 ± 0.002
Mass Discrimination Law = LIN	Decay 36Cl = 2.257 ± 0.015 E-06 1/a				± 0.15%	± 0.22%			
Irradiation = 16-OSU-03 (3C12-16)	Decay 40K(EC,β ⁺) = 0.580 ± 0.009 E-10 1/a					Full External Error ± 15.67			
J = 0.00158504 ± 0.00000176	Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a					Analytical Error ± 0.96			
FCT-NM = 28.201 ± 0.023 Ma	Atmospheric 40/36(a) = 295.50	Normal Isochron	6216.96 ± 7155.04	308.06378 ± 15.24752	719.04 ± 29.39	60.42	85.59		
IGSN = Undefined	Atmospheric 38/36(a) = 0.1869	No Convergence	± 115.09%	± 4.95%	± 4.09%	0%	15		
Preferred Age = Undefined	Production 39/37(ca) = 0.000676 ± 0.000009				Full External Error ± 32.94	1.78	2σ Confidence Limit		
Classification = Undefined	Production 38/37(ca) = 0.000072 ± 0.000009				Analytical Error ± 29.36	7.7730	Error Magnification		
Experiment Type = Incremental Heating	Production 36/37(ca) = 0.000286 ± 0.000000					100	Number of Iterations		
Extraction Method = Undefined	Production 40/39(k) = 0.003823 ± 0.000102					0.0437100715	Convergence		
Heating = 77 sec	Production 38/39(k) = 0.012031 ± 0.000019								
Isolation = 1.50 min	Production 36/38(cl) = 262.80 ± 1.71								
Instrument = ARGUS-VI-D	Scaling Ratio K/Ca = 0.430	Inverse Isochron	12356.75 ± 7482.80	296.00111 ± 16.82778	695.66 ± 32.85	56.03	85.59		
Lithology = Undefined	Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04	Error Chron	± 60.56%	± 5.69%	± 4.72%	0%	15		
Lat-Lon = Undefined - Undefined	Atomic Weight K = 39.0983 ± 0.0001 g				Full External Error ± 35.88	1.78	2σ Confidence Limit		
Collector Calibrations = 36Ar					Analytical Error ± 32.83	7.4851	Error Magnification		
						30	Number of Iterations		
						0.0003610207	Convergence		
						5%	Spreading Factor		

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
16D26293	1.8 %	0.0071068	4.71	0.0000000	0.00	0.0000131	466.59	0.0000064	67.45	0.04909	466.59	0.0013283	4.71	0.0000000	0.00	0.0002856	94.33	0.0000035	466.77	0.0365139	67.46	0.02374	94.33	0.0000332	466.59	40.617	0.30	2.10006	4.71	0.0000000	0.00	0.0000907	94.37
16D26294	1.9 %	0.0091252	3.68	0.0000000	0.00	0.0000522	117.96	0.0000057	74.91	0.19586	117.96	0.0017055	3.68	0.0000000	0.00	0.0007646	36.31	0.0000141	118.66	0.0325318	74.91	0.06355	36.31	0.0001323	117.97	42.791	0.28	2.69649	3.68	0.0000000	0.00	0.0002430	36.41
16D26296	2.0 %	0.0089038	3.88	0.0000000	0.00	0.0000649	87.47	0.0000024	181.53	0.24360	87.47	0.0016641	3.88	0.0000000	0.00	0.0005865	45.39	0.0000175	88.41	0.0135433	181.53	0.04875	45.39	0.0001646	87.48	105.073	0.12	2.63107	3.88	0.0000000	0.00	0.0001864	45.46
16D26297	2.1 %	0.0057995	5.62	0.0000000	0.00	0.0000495	121.45	0.0000080	50.03	0.18604	121.45	0.0010839	5.62	0.0000000	0.00	0.0008372	32.70	0.0000134	122.12	0.0458131	50.04	0.06959	32.70	0.0001257	121.45	23.985	0.50	1.71375	5.62	0.0000000	0.00	0.0002660	32.81
16D26298	2.2 %	0.0066094	4.93	0.0000000	0.00	0.0000446	126.67	0.0000083	50.12	0.16732	126.67	0.0012353	4.93	0.0000000	0.00	0.0005771	49.15	0.0000120	127.31	0.0473593	50.13	0.04797	49.15	0.0001130	126.67	33.110	0.36	1.95308	4.93	0.0000000	0.00	0.0001834	49.22
16D26299	2.3 %	0.0048963	6.80	0.0000000	0.00	0.0000078	724.35	0.0000038	112.41	0.02916	724.35	0.0009151	6.80	0.0000000	0.00	0.0009459	28.31	0.0000021	724.47	0.0215492	112.42	0.07862	28.31	0.0000197	724.35	14.922	0.81	1.44685	6.80	0.0000000	0.00	0.0003006	28.43
16D26301	2.4 %	0.0039087	8.35	0.0000000	0.00	0.0000487	118.98	0.0000077	53.39	0.18279	118.98	0.0007305	8.35	0.0000000	0.00	0.0006557	38.90	0.0000131	119.67	0.0439470	53.40	0.05450	38.90	0.0001235	118.99	22.984	0.52	1.15501	8.35	0.0000000	0.00	0.0002083	38.99
16D26302	2.6 %	0.0140371	2.58	0.0000000	0.00	0.0000244	238.93	0.0000090	47.88	0.09152	238.93	0.0026235	2.58	0.0000000	0.00	0.0010207	25.17	0.0000066	239.28	0.0514192	47.88	0.08484	25.17	0.0000618	238.94	159.638	0.08	4.14796	2.58	0.0000000	0.00	0.0003244	25.31
16D26303	2.8 %	0.0136660	2.58	0.0000000	0.00	0.0000441	135.34	0.0000027	148.09	0.16546	135.34	0.0025542	2.58	0.0000000	0.00	0.0008811	29.67	0.0000119	135.94	0.0155607	148.09	0.07323	29.67	0.0001118	135.34	64.003	0.20	4.03829	2.58	0.0000000	0.00	0.0002800	29.79
16D26304	3.0 %	0.0116042	3.02	0.0000000	0.00	0.0000286	199.67	0.0000061	69.78	0.10750	199.67	0.0021688	3.02	0.0000000	0.00	0.0004048	66.16	0.0000077	200.08	0.0345396	69.78	0.03365	66.16	0.0000726	199.67	38.366	0.33	3.42904	3.02	0.0000000	0.00	0.0001286	66.21
16D26305	3.2 %	0.0257817	1.58	0.0000000	0.00	0.0000423	147.09	0.0000009	468.79	0.15890	147.09	0.0048186	1.58	0.0000000	0.00	0.0012402	21.94	0.0000114	147.65	0.0051112	468.79	0.10309	21.94	0.0001074	147.10	137.457	0.10	7.61851	1.58	0.0000000	0.00	0.0003941	22.10
16D26307	3.4 %	0.0192086	1.96	0.0000000	0.00	0.0000530	113.37	0.0000000	0.00	0.19914	113.37	0.0035901	1.96	0.0000000	0.00	0.0008975	30.22	0.0000143	114.09	0.0000000	0.00	0.07460	30.22	0.0001345	113.38	50.729	0.26	5.67613	1.96	0.0000000	0.00	0.0002852	30.34
16D26308	3.7 %	0.0340607	1.33	0.0000000	0.00	0.0000029	#####	0.0000031	141.73	0.01090	#####	0.0063659	1.33	0.0000000	0.00	0.0014581	17.46	0.0000008	#####	0.0178694	141.73	0.12119	17.46	0.0000074	#####	167.624	0.09	10.06493	1.33	0.0000000	0.00	0.0004633	17.66
16D26309	4.0 %	0.0351307	1.31	0.0000000	0.00	0.0000420	141.18	0.0000071	58.33	0.15773	141.18	0.0065659	1.31	0.0000000	0.00	0.0020773	12.86	0.0000113	141.76	0.0403984	58.34	0.17266	12.86	0.0001066	141.19	137.293	0.11	10.38112	1.31	0.0000000	0.00	0.0006601	13.13
16D26310	4.3 %	0.0179404	2.08	0.0000000	0.00	0.0000085	709.14	0.0000005	93.33	0.03190	709.14	0.0033531	2.08	0.0000000	0.00	0.0012154	22.44	0.0000023	709.26	0.0265435	93.33	0.10102	22.44	0.0000216	709.14	59.541	0.22	5.30139	2.08	0.0000000	0.00	0.0003862	22.80
16D26311	4.7 %	0.0384515	1.15	0.0000000	0.00	0.0000256	235.57	0.0000000	0.00	0.09625	235.57	0.0071866	1.15	0.0000000	0.00	0.0019981	13.14	0.0000069	235.92	0.0000000	0.00	0.18608	13.14	0.0000650	235.58	187.211	0.08	11.36241	1.15	0.0000000	0.00	0.0006349	13.40
16D26313	5.0 %	0.0366845	1.22	0.0000000	0.00	0.0001331	45.43	0.0000032	135.62	0.49974	45.43	0.0068563	1.22	0.0000000	0.00	0.0032880	7.80	0.0000359	47.20	0.0181046	135.62	0.27329	7.80	0.0003376	45.45	150.266	0.10	10.84626	1.22	0.0000000	0.00	0.0010448	8.24
16D26314	5.3 %	0.0245873	1.53	0.0000000	0.00	0.0001716	35.08	0.0000000	0.00	0.64421	35.08	0.0045954	1.53	0.0000000	0.00	0.0024502	10.48	0.0000463	37.34	0.0000000	0.00	0.20366	10.48	0.0004352	35.10	93.757	0.14	7.26556	1.53	0.0000000	0.00	0.0007786	10.81
16D26315	5.7 %	0.0257635	1.58	0.0000000	0.00	0.0001026	58.00	0.0000000	0.00	0.38518	58.00	0.0048152	1.58	0.0000000	0.00	0.0034151	8.08	0.0000277	59.40	0.0000000	0.00	0.28386	8.08	0.0002602	58.01	204.421	0.07	7.61313	1.58	0.0000000	0.00	0.0010852	8.50
16D26316	6.0 %	0.0238694	1.72	0.0000000	0.00	0.0000753	74.95	0.0000000	0.00	0.28265	74.95	0.0044612	1.72	0.0000000	0.00	0.0045178	6.02	0.0000203	76.04	0.0000000	0.00	0.37551	6.01	0.0001910	74.96	149.451	0.09	7.05341	1.72	0.0000000	0.00	0.0014356	6.58
16D26318	6.4 %	0.0288769	1.46	0.0000000	0.00	0.0000233	262.47	0.0000000	0.00	0.08755	262.47	0.0053971	1.46	0.0000000	0.00	0.0059250	4.47	0.0000063	262.78	0.0000000	0.00	0.49248	4.47	0.0000592	262.47	214.495	0.07	8.53314	1.46	0.0000000	0.00	0.0018828	5.20
16D26319	6.8 %	0.0499288	0.99	0.0000000	0.00	0.0001543	38.31	0.0000000	0.00	0.57924	38.31	0.0093317	0.99	0.0000000	0.00	0.0110354	2.30	0.0000416	40.40	0.0000000	0.00	0.91725	2.29	0.0003913	38.34	629.925	0.03	14.75395	0.99	0.0000000	0.00	0.0035066	3.51
16D26320	7.2 %	0.0296684	1.50	0.0000000	0.00	0.0000613	100.36	0.0000000	0.00	0.23019	100.36	0.0055450	1.50	0.0000000	0.00	0.0120992	2.17	0.0000165	101.17	0.0000000	0.00	1.00566	2.16	0.0001555	100.37	349.792	0.04	8.76701	1.50	0.0000000	0.00	0.0038447	3.43
16D26321	7.6 %	0.0200275	1.99	0.0000000	0.00	0.0001496	40.98	0.0000000	0.00	0.56189	40.98	0.0037431	1.99	0.0000000	0.00	0.0120981	2.22	0.0000403	42.94	0.0000000	0.00	1.00557	2.21	0.0003796	41.00	312.997	0.04	5.91812	1.99	0.0000000	0.00	0.0038443	3.46
16D26322	8.0 %	0.0251547	1.70	0.0000000	0.00	0.0001429	40.60	0.0000004	#####	0.53644	40.60	0.0047014	1.70	0.0000000	0.00	0.0136139	1.88	0.0000385	42.58	0.0021940	#####	1.13157	1.88	0.0003624	40.62	359.283	0.04	7.43322	1.70	0.0000000	0.00	0.0043260	3.25
16D26324	8.5 %	0.0102136	3.32	0.0000000	0.00	0.0001255	47.67	0.0000000	0.00	0.47118	47.67	0.019089	3.32	0.0000000	0.00	0.0123868	2.13	0.0000338	49.37	0.0000000	0.00	1.02958	2.13	0.0003183	47.69	289.688	0.04	3.01813	3.32	0.0000000	0.00	0.0039361	3.41
16D26325	9.0 %	0.0196444	1.96	0.0000000	0.00	0.0002464	23.58	0.0000020	202.80	0.92525	23.58	0.0036715	1.96	0.0000000	0.00	0.0192737	1.32	0.0000664	26.84	0.0114927	202.80	1.60200	1.31	0.0006251	23.62	570.247	0.02	5.80493	1.96	0.0000000	0.00	0.0061245	2.96
16D26326	9.5 %	0.0249410	1.71	0.0000000	0.00	0.0007576	8.07	0.0000074	58.97	2.84497	8.06	0.0046615	1.71	0.0000000	0.00	0.0309754	0.92	0.0002043	15.15	0.0422497	58.98	2.57463	0.91	0.0019221	8.17	916.194	0.02	7.37005	1.71	0.0000000	0.00	0.0098428	2.81
16D26327	10.0 %	0.0238740	1.75	0.0000000	0.00	0.0013195	4.27	0.0000087	49.23	4.95499	4.27	0.0044620	1.75	0.0000000	0.00	0.0430040	0.65	0.0003558	13.51	0.0494991	49.24	3.57443	0.63	0.0033476	4.47	1102.147	0.01	7.05476	1.75	0.0000000	0.00	0.0136650	2.73
16D26329	10.5 %	0.0301216	1.73	0.0000000	0.00	0.0031988	1.85	0.0000210	19.98	12.01191	1.84	0.0056297	1.73	0.0000000	0.00	0.0818771	0.36	0.0008625	12.95	0.0139353	20.00	6.80551	0.33	0.0081152	2.26	2108.803	0.01	8.90094	1.73	0.0000000	0.00	0.0260175	2.68
16D26330	11.0 %	0.0253626	1.97	0.0000000	0.00	0.0032089	1.95	0																									

Additional Parameters											
	40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)	
16D26293	1.8 %	1797.157355	1692.841862	2.065077	9.829831	0.299808	0.282745	107.886	8.443817	1.00076242	2.050E-12
16D26294	1.9 %	714.274481	258.814908	3.075504	3.795206	0.144196	0.052505	107.892	8.444859	1.00076246	2.183E-12
16D26296	2.0 %	2202.100350	996.056645	4.980663	4.904747	0.183420	0.083257	107.904	8.446829	1.00076254	5.170E-12
16D26297	2.1 %	368.634205	120.341585	2.668661	3.356047	0.084015	0.027808	107.910	8.447756	1.00076258	1.234E-12
16D26298	2.2 %	729.199159	357.528719	3.479661	4.726214	0.138553	0.068260	107.916	8.448799	1.00076263	1.683E-12
16D26299	2.3 %	208.144848	58.910488	0.370813	2.688040	0.062407	0.018147	107.922	8.449842	1.00076267	7.857E-13
16D26301	2.4 %	441.939433	171.506529	3.346425	4.187935	0.072591	0.028777	107.934	8.451812	1.00076276	1.159E-12
16D26302	2.6 %	1929.073079	485.145050	1.077889	2.589666	0.165722	0.041889	107.940	8.452740	1.00076279	7.862E-12
16D26303	2.8 %	930.506965	276.527826	2.262695	3.135231	0.186325	0.055576	107.946	8.453783	1.00076284	3.266E-12
16D26304	3.0 %	1244.753074	825.304237	3.201651	6.735952	0.344924	0.228925	107.951	8.454711	1.00076288	2.006E-12
16D26305	3.2 %	1405.842291	308.163130	1.539789	2.289959	0.250255	0.054994	107.958	8.455755	1.00076292	6.964E-12
16D26307	3.4 %	754.710632	227.678336	2.664593	3.125881	0.257723	0.077908	107.969	8.457727	1.00076301	2.707E-12
16D26308	3.7 %	1466.090912	255.919746	0.089914	1.934851	0.281080	0.049204	107.976	8.458771	1.00076305	8.529E-12
16D26309	4.0 %	854.768830	109.821382	0.912976	1.294281	0.203627	0.026294	107.981	8.459699	1.00076309	7.088E-12
16D26310	4.3 %	641.744664	143.988398	0.315760	2.240301	0.177685	0.040033	107.988	8.460744	1.00076313	3.112E-12
16D26311	4.7 %	1195.175512	156.943909	0.579330	1.366874	0.231586	0.030525	107.993	8.461672	1.00076317	9.532E-12
16D26313	5.0 %	588.781892	45.878922	1.826346	0.841757	0.134565	0.010611	108.005	8.463646	1.00076326	7.733E-12
16D26314	5.3 %	497.109386	52.202077	3.169991	1.160646	0.120144	0.012747	108.011	8.464690	1.00076330	4.849E-12
16D26315	5.7 %	746.293236	60.226476	1.355694	0.793840	0.091040	0.007483	108.017	8.465619	1.00076334	1.018E-11
16D26316	6.0 %	416.568715	25.037082	0.752324	0.565656	0.063733	0.003981	108.023	8.466665	1.00076338	7.512E-12
16D26318	6.4 %	452.816415	20.240732	0.177761	0.466631	0.058676	0.002756	108.035	8.468639	1.00076347	1.071E-11
16D26319	6.8 %	702.545944	16.116144	0.631235	0.242286	0.054578	0.001362	108.041	8.469685	1.00076351	3.094E-11
16D26320	7.2 %	356.488090	7.699449	0.228855	0.229727	0.029558	0.000774	108.047	8.470614	1.00076355	1.721E-11
16D26321	7.6 %	317.031672	7.016403	0.558567	0.229223	0.020058	0.000592	108.053	8.471660	1.00076359	1.531E-11
16D26322	8.0 %	323.977868	6.072929	0.473920	0.192617	0.022349	0.000561	108.058	8.472589	1.00076363	1.760E-11
16D26324	8.5 %	284.213020	6.046897	0.457505	0.218321	0.010039	0.000388	108.070	8.474565	1.00076372	1.405E-11
16D26325	9.0 %	359.445953	4.695283	0.577330	0.136361	0.012413	0.000287	108.076	8.475612	1.00076376	2.765E-11
16D26326	9.5 %	358.452877	3.247940	1.104178	0.089612	0.009977	0.000187	108.083	8.476658	1.00076380	4.433E-11
16D26327	10.0 %	310.029166	1.953808	1.384934	0.059779	0.007044	0.000124	108.088	8.477588	1.00076384	5.324E-11
16D26329	10.5 %	310.808086	1.016174	1.762925	0.032927	0.004893	0.000077	108.100	8.479565	1.00076393	1.017E-10
16D26330	11.0 %	314.097731	1.066045	1.824154	0.036007	0.004329	0.000076	108.106	8.480612	1.00076397	9.959E-11
16D26331	11.5 %	✓ 328.682216	0.513299	2.039611	0.016250	0.003662	0.000044	108.112	8.481543	1.00076401	2.411E-10
16D26332	12.0 %	✓ 326.091216	0.645320	2.052026	0.019600	0.002937	0.000046	108.118	8.482590	1.00076405	1.950E-10
16D26334	12.5 %	✓ 325.477974	0.372762	2.110888	0.012145	0.002478	0.000028	108.130	8.484568	1.00076414	3.804E-10
16D26335	13.0 %	✓ 321.540071	0.585970	2.038272	0.018033	0.002312	0.000040	108.136	8.485616	1.00076418	2.110E-10
16D26336	13.5 %	✓ 318.282946	0.420949	2.054348	0.013666	0.002484	0.000034	108.142	8.486547	1.00076422	3.138E-10
16D26338	14.0 %	✓ 315.995933	0.701156	2.016616	0.022751	0.002837	0.000046	108.153	8.488526	1.00076430	1.659E-10
16D26507	14.5 %	✓ 310.960764	1.950678	1.830056	0.060881	0.002896	0.000101	109.142	8.655958	1.00077129	5.887E-11
16D26508	15.0 %	✓ 315.634155	1.326623	1.915038	0.043891	0.002793	0.000078	109.149	8.657027	1.00077133	8.437E-11
16D26510	15.5 %	✓ 319.656546	0.695880	2.022909	0.022348	0.002327	0.000045	109.160	8.659046	1.00077142	1.855E-10
16D26511	16.0 %	✓ 312.535371	0.438017	2.013564	0.014220	0.002576	0.000030	109.166	8.659996	1.00077145	2.952E-10
16D26513	16.5 %	✓ 324.754920	0.614662	2.012582	0.019307	0.002442	0.000039	109.178	8.662016	1.00077154	2.105E-10
16D26514	17.0 %	✓ 323.827844	1.783886	1.952884	0.057580	0.002747	0.000087	109.184	8.663085	1.00077158	6.862E-11
16D26516	17.5 %	✓ 327.740765	1.411316	1.939709	0.045242	0.002604	0.000079	109.196	8.665105	1.00077167	8.568E-11
16D26517	18.0 %	✓ 320.574688	0.924107	2.006189	0.029509	0.002180	0.000054	109.201	8.666056	1.00077170	1.279E-10
16D26519	18.5 %	✓ 314.549589	2.197442	1.996730	0.072527	0.001872	0.000099	109.214	8.668196	1.00077179	5.259E-11

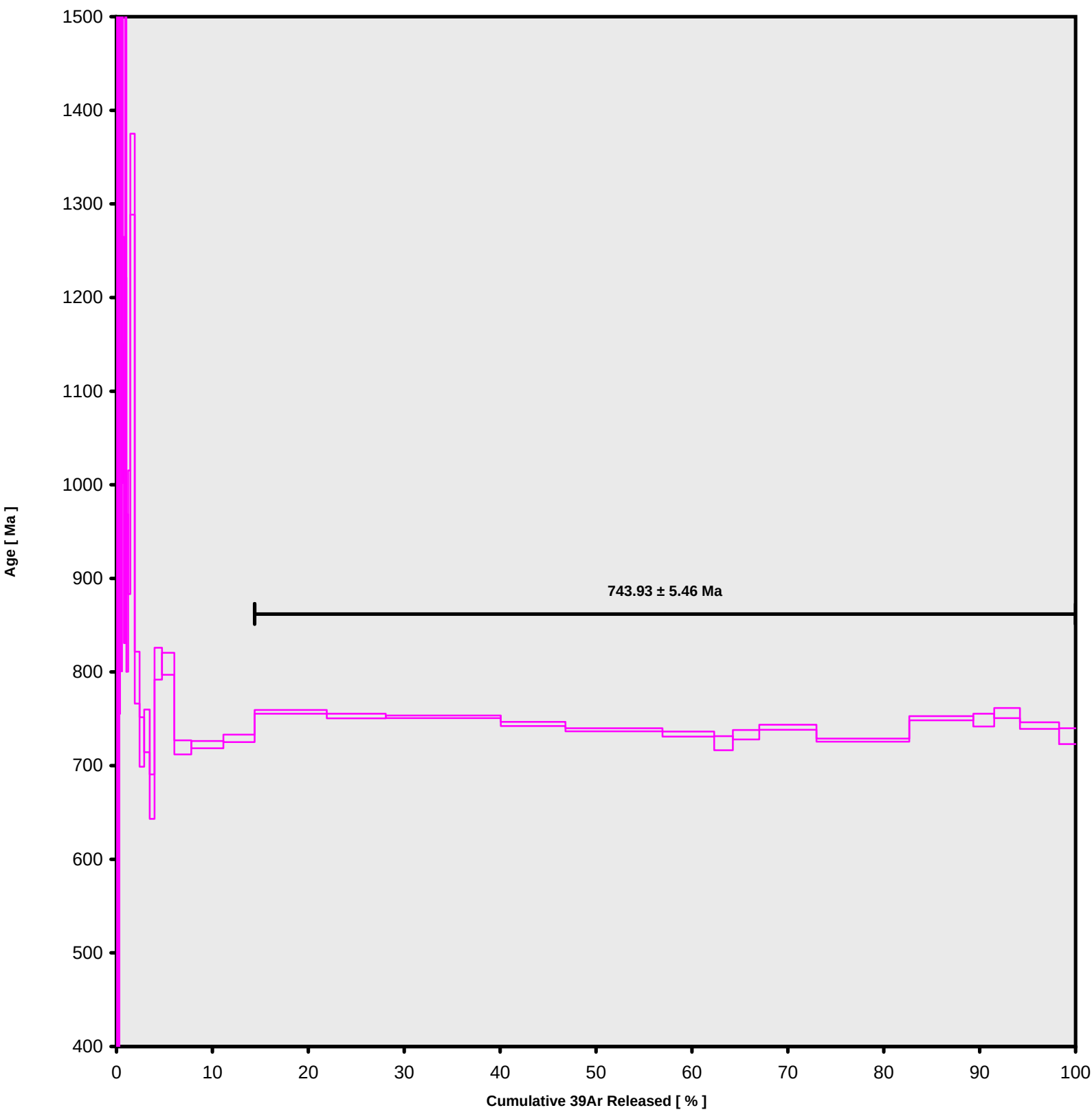
Procedure Blanks		³⁶ Ar [fA]	1σ	³⁷ Ar [fA]	1σ	³⁸ Ar [fA]	1σ	³⁹ Ar [fA]	1σ	⁴⁰ Ar [fA]	1σ
16D26293	1.8 %	0.0028526	0.0002373	0.0001210	0.0177035	0.0639095	0.0169306	0.0259252	0.0153404	0.8203531	0.0674574
16D26294	1.9 %	0.0027967	0.0002373	0.0007151	0.0177035	0.0689597	0.0169306	0.0256900	0.0153404	0.8287679	0.0674574
16D26296	2.0 %	0.0027208	0.0002373	0.0014805	0.0177035	0.0751398	0.0169306	0.0238668	0.0153404	0.8338985	0.0674574
16D26297	2.1 %	0.0026967	0.0002373	0.0017300	0.0177035	0.0767256	0.0169306	0.0225372	0.0153404	0.8321438	0.0674574
16D26298	2.2 %	0.0026771	0.0002373	0.0019609	0.0177035	0.0776409	0.0169306	0.0207884	0.0153404	0.8274994	0.0674574
16D26299	2.3 %	0.0026644	0.0002373	0.0021641	0.0177035	0.0777456	0.0169306	0.0188512	0.0153404	0.8204330	0.0674574
16D26301	2.4 %	0.0026564	0.0002373	0.0025530	0.0177035	0.0761092	0.0169306	0.0149451	0.0153404	0.8019141	0.0674574
16D26302	2.6 %	0.0026583	0.0002373	0.0027685	0.0177035	0.0746645	0.0169306	0.0131004	0.0153404	0.7914673	0.0674574
16D26303	2.8 %	0.0026640	0.0002373	0.0030549	0.0177035	0.0726338	0.0169306	0.0110917	0.0153404	0.7788372	0.0674574
16D26304	3.0 %	0.0026715	0.0002373	0.0033586	0.0177035	0.0705358	0.0169306	0.0094064	0.0153404	0.7671112	0.0674574
16D26305	3.2 %	0.0026821	0.0002373	0.0037650	0.0177035	0.0679195	0.0169306	0.0076659	0.0153404	0.7536758	0.0674574
16D26307	3.4 %	0.0027064	0.0002373	0.0047434	0.0177035	0.0624939	0.0169306	0.0049618	0.0153404	0.7287433	0.0674574
16D26308	3.7 %	0.0027204	0.0002373	0.0053800	0.0177035	0.0594919	0.0169306	0.0038986	0.0153404	0.7163777	0.0674574
16D26309	4.0 %	0.0027331	0.0002373	0.0060151	0.0177035	0.0568124	0.0169306	0.0031932	0.0153404	0.7061926	0.0674574
16D26310	4.3 %	0.0027473	0.0002373	0.0068050	0.0177035	0.0538348	0.0169306	0.0026841	0.0153404	0.6959049	0.0674574
16D26311	4.7 %	0.0027596	0.0002373	0.0075698	0.0177035	0.0512584	0.0169306	0.0024928	0.0153404	0.6880165	0.0674574
16D26313	5.0 %	0.0027836	0.0002373	0.0093619	0.0177035	0.0461426	0.0169306	0.0029131	0.0153404	0.6760476	0.0674574
16D26314	5.3 %	0.0027948	0.0002373	0.0103807	0.0177035	0.0436960	0.0169306	0.0035829	0.0153404	0.6728013	0.0674574
16D26315	5.7 %	0.0028039	0.0002373	0.0113109	0.0177035	0.0417038	0.0169306	0.0044258	0.0153404	0.6719582	0.0674574
16D26316	6.0 %	0.0028129	0.0002373	0.0123681	0.0177035	0.0396876	0.0169306	0.0056350	0.0153404	0.6735057	0.0674574
16D26318	6.4 %	0.0028267	0.0002373	0.0143210	0.0177035	0.0365814	0.0169306	0.0085802	0.0153404	0.6843372	0.0674574
16D26319	6.8 %	0.0028325	0.0002373	0.0152844	0.0177035	0.0353241	0.0169306	0.0104250	0.0153404	0.6946103	0.0674574
16D26320	7.2 %	0.0028369	0.0002373	0.0160697	0.0177035	0.0344333	0.0169306	0.0121863	0.0153404	0.7065628	0.0674574
16D26321	7.6 %	0.0028413	0.0002373	0.0168443	0.0177035	0.0336813	0.0169306	0.0142595	0.0153404	0.7233264	0.0674574
16D26322	8.0 %	0.0028449	0.0002373	0.0174094	0.0177035	0.0332270	0.0169306	0.0161406	0.0153404	0.7412894	0.0674574
16D26324	8.5 %	0.0028529	0.0002373	0.0181002	0.0177035	0.0328739	0.0169306	0.0200496	0.0153404	0.7894635	0.0674574
16D26325	9.0 %	0.0028581	0.0002373	0.0181107	0.0177035	0.0329803	0.0169306	0.0219421	0.0153404	0.8206863	0.0674574
16D26326	9.5 %	0.0028646	0.0002373	0.0178180	0.0177035	0.0332499	0.0169306	0.0236110	0.0153404	0.8559998	0.0674574
16D26327	10.0 %	0.0028720	0.0002373	0.0172648	0.0177035	0.0335962	0.0169306	0.0248373	0.0153404	0.8908933	0.0674574
16D26329	10.5 %	0.0028948	0.0002373	0.0150058	0.0177035	0.0345186	0.0169306	0.0263321	0.0153404	0.9762267	0.0674574
16D26330	11.0 %	0.0029121	0.0002373	0.0131150	0.0177035	0.0350166	0.0169306	0.0263283	0.0153404	1.0276634	0.0674574
16D26331	11.5 %	0.0029314	0.0002373	0.0109697	0.0177035	0.0354038	0.0169306	0.0257485	0.0153404	1.0770674	0.0674574
16D26332	12.0 %	0.0029582	0.0002373	0.0079786	0.0177035	0.0357184	0.0169306	0.0243424	0.0153404	1.1368135	0.0674574
16D26334	12.5 %	0.0030271	0.0002373	0.0004400	0.0177035	0.0357177	0.0169306	0.0190852	0.0153404	1.2617437	0.0674574
16D26335	13.0 %	0.0030751	0.0002373	0.0046768	0.0177035	0.0352562	0.0169306	0.0146798	0.0153404	1.3342698	0.0674574
16D26336	13.5 %	0.0031256	0.0002373	0.0099539	0.0177035	0.0344881	0.0169306	0.0096748	0.0153404	1.4024297	0.0674574
16D26338	14.0 %	0.0032613	0.0002373	0.0236914	0.0177035	0.0314310	0.0169306	0.0048514	0.0153404	1.5586870	0.0674574
16D26507	14.5 %	0.0028719	0.0001815	0.0072148	0.0194057	0.0313860	0.0168270	0.0055852	0.0169915	0.9382064	1.1373554
16D26508	15.0 %	0.0029341	0.0001815	0.0071727	0.0194057	0.0419563	0.0168270	0.0015860	0.0169915	1.2105480	1.1373554
16D26510	15.5 %	0.0028683	0.0001815	0.0070931	0.0194057	0.0574294	0.0168270	0.0029330	0.0169915	1.5523859	1.1373554
16D26511	16.0 %	0.0027923	0.0001815	0.0070556	0.0194057	0.0623283	0.0168270	0.0062482	0.0169915	1.6376475	1.1373554
16D26513	16.5 %	0.0026341	0.0001815	0.0069761	0.0194057	0.0667580	0.0168270	0.0154575	0.0169915	1.6647060	1.1373554
16D26514	17.0 %	0.0025966	0.0001815	0.0069339	0.0194057	0.0654016	0.0168270	0.0199496	0.0169915	1.5970856	1.1373554
16D26516	17.5 %	0.0027190	0.0001815	0.0068543	0.0194057	0.0548707	0.0168270	0.0239481	0.0169915	1.3215305	1.1373554
16D26517	18.0 %	0.0029019	0.0001815	0.0068169	0.0194057	0.0459598	0.0168270	0.0224534	0.0169915	1.1274565	1.1373554
16D26519	18.5 %	0.0037185	0.0001815	0.0067326	0.0194057	0.0156207	0.0168270	0.0072060	0.0169915	0.5474588	1.1373554

Intercept Values		36Ar [fA]	1σ	r2		37Ar [fA]	1σ	r2		38Ar [fA]	1σ	r2		39Ar [fA]	1σ	r2		40Ar [fA]	1σ	r2	
16D26293	1.8 %	0.0096559	0.0002052	0.9097	EXP 150 of 150	0.00580	0.01971	0.0003	EXP 150 of 150	0.0263714	0.0173497	0.0016	EXP 150 of 150	0.00236	0.01605	0.2068	EXP 150 of 150	43.538	0.020	0.9990	EXP 150 of 150
16D26294	1.9 %	0.0115636	0.0002064	0.9073	EXP 149 of 150	0.02337	0.02002	0.0051	EXP 150 of 150	0.0344885	0.0169904	0.0002	EXP 150 of 150	0.03745	0.01697	0.1245	EXP 150 of 150	46.317	0.020	0.9989	EXP 150 of 150
16D26296	2.0 %	0.0112853	0.0002214	0.9023	EXP 150 of 150	0.02965	0.01714	0.0029	EXP 150 of 150	0.0595744	0.0172921	0.0147	EXP 150 of 150	0.02463	0.01568	0.1599	EXP 150 of 150	108.538	0.022	0.9950	EXP 150 of 150
16D26297	2.1 %	0.0082883	0.0001923	0.9200	EXP 150 of 150	0.02324	0.01921	0.0000	EXP 150 of 150	0.0297206	0.0149087	0.0008	EXP 150 of 150	0.04658	0.01655	0.1314	EXP 150 of 150	26.531	0.018	0.9993	EXP 150 of 150
16D26298	2.2 %	0.0090374	0.0001929	0.9142	EXP 150 of 150	0.02130	0.01694	0.0000	EXP 149 of 150	0.0292222	0.0160965	0.0056	EXP 150 of 150	0.02689	0.01764	0.1181	EXP 150 of 150	35.891	0.019	0.9991	EXP 150 of 150
16D26299	2.3 %	0.0073499	0.0002041	0.9015	EXP 150 of 150	0.00553	0.01681	0.0003	EXP 150 of 150	0.0546975	0.0167901	0.0044	EXP 150 of 150	0.05912	0.01586	0.0109	EXP 150 of 150	17.189	0.018	0.9993	EXP 150 of 150
16D26301	2.4 %	0.0064417	0.0001939	0.9130	EXP 150 of 150	0.02368	0.01784	0.0000	EXP 150 of 150	0.0314682	0.0157026	0.0013	EXP 150 of 150	0.03921	0.01437	0.1021	EXP 149 of 150	24.941	0.018	0.9991	EXP 150 of 150
16D26302	2.6 %	0.0160912	0.0002415	0.8873	EXP 150 of 150	0.01334	0.01803	0.0037	EXP 150 of 150	0.0204511	0.0173304	0.0001	EXP 150 of 150	0.07108	0.01459	0.1504	EXP 150 of 150	164.577	0.026	0.0619	EXP 150 of 150
16D26303	2.8 %	0.0156712	0.0002297	0.8625	EXP 150 of 150	0.01606	0.01886	0.0302	EXP 149 of 150	0.0539451	0.0150949	0.0145	EXP 150 of 150	0.06141	0.01513	0.1250	EXP 150 of 150	68.820	0.022	0.9975	EXP 150 of 150
16D26304	3.0 %	0.0137283	0.0002277	0.8557	EXP 150 of 150	0.00906	0.01736	0.0048	EXP 150 of 150	0.0340074	0.0166159	0.0023	EXP 150 of 150	0.02388	0.01587	0.1334	EXP 150 of 150	42.563	0.020	0.9986	EXP 150 of 150
16D26305	3.2 %	0.0273368	0.0002937	0.7984	EXP 150 of 150	0.02212	0.02038	0.0000	EXP 150 of 150	0.0569120	0.0164206	0.0075	EXP 149 of 150	0.09465	0.01636	0.1337	EXP 150 of 150	145.829	0.021	0.9316	EXP 150 of 150
16D26307	3.4 %	0.0210951	0.0002597	0.7933	EXP 150 of 150	0.02774	0.01914	0.0011	EXP 150 of 150	0.0629256	0.0173310	0.0137	EXP 150 of 150	0.06914	0.01626	0.0755	EXP 150 of 150	57.134	0.021	0.9978	EXP 150 of 150
16D26308	3.7 %	0.0352434	0.0003449	0.7210	EXP 150 of 150	0.00664	0.02049	0.0051	EXP 150 of 150	0.0341974	0.0182988	0.0029	EXP 150 of 150	0.11627	0.01431	0.1842	EXP 150 of 150	178.406	0.027	0.9012	EXP 150 of 150
16D26309	4.0 %	0.0363187	0.0003518	0.5759	EXP 150 of 150	0.02423	0.01864	0.0025	EXP 150 of 150	0.0085225	0.0158506	0.0041	EXP 150 of 150	0.16810	0.01578	0.0400	EXP 149 of 150	148.381	0.023	0.8762	EXP 150 of 150
16D26310	4.3 %	0.0198873	0.0002548	0.8045	EXP 150 of 150	0.01049	0.01920	0.0046	EXP 150 of 150	0.0232045	0.0175476	0.0011	EXP 150 of 150	0.09750	0.01643	0.0705	EXP 150 of 150	65.539	0.021	0.9976	EXP 150 of 150
16D26311	4.7 %	0.0394931	0.0003297	0.7016	EXP 150 of 150	0.01868	0.01928	0.0002	EXP 150 of 150	0.0505933	0.0182540	0.0014	EXP 150 of 150	0.16224	0.01525	0.2745	EXP 149 of 150	199.262	0.027	0.9768	EXP 150 of 150
16D26313	5.0 %	0.0379357	0.0003393	0.6641	EXP 150 of 150	0.06703	0.01931	0.0190	EXP 150 of 150	0.0182978	0.0172465	0.0016	EXP 150 of 150	0.26838	0.01454	0.0726	EXP 150 of 150	161.783	0.025	0.5873	EXP 150 of 150
16D26314	5.3 %	0.0261042	0.0002544	0.7870	EXP 150 of 150	0.06395	0.01914	0.0551	EXP 149 of 150	0.0531598	0.0181321	0.0071	EXP 150 of 150	0.19791	0.01457	0.2210	EXP 150 of 150	101.696	0.022	0.9924	EXP 150 of 150
16D26315	5.7 %	0.0274979	0.0002963	0.8379	EXP 150 of 150	0.05575	0.01873	0.0140	EXP 149 of 150	0.0520416	0.0172393	0.0131	EXP 150 of 150	0.27727	0.01678	0.1348	EXP 150 of 150	212.707	0.029	0.9867	EXP 150 of 150
16D26316	6.0 %	0.0256725	0.0003022	0.7897	EXP 150 of 150	0.04497	0.01684	0.0085	EXP 150 of 150	0.0451850	0.0162257	0.0011	EXP 150 of 150	0.36687	0.01630	0.0638	EXP 150 of 150	157.179	0.026	0.0171	EXP 150 of 150
16D26318	6.4 %	0.0304173	0.0003098	0.7817	EXP 150 of 150	0.02442	0.01972	0.0001	EXP 150 of 150	0.0516963	0.0188150	0.0050	EXP 150 of 150	0.47976	0.01553	0.0782	EXP 150 of 150	223.715	0.028	0.9924	EXP 150 of 150
16D26319	6.8 %	0.0506460	0.0003835	0.8267	EXP 150 of 150	0.08208	0.01848	0.0038	EXP 150 of 150	0.0278969	0.0173934	0.0028	EXP 150 of 150	0.89939	0.01414	0.2034	EXP 150 of 150	645.377	0.042	0.9996	EXP 150 of 150
16D26320	7.2 %	0.0312194	0.0003389	0.8146	EXP 150 of 150	0.04261	0.01990	0.0024	EXP 150 of 150	0.0479263	0.0175734	0.0131	EXP 150 of 150	0.98506	0.01510	0.0159	EXP 150 of 150	359.270	0.034	0.9984	EXP 150 of 150
16D26321	7.6 %	0.0221041	0.0002869	0.8852	EXP 150 of 150	0.08162	0.01978	0.0018	EXP 150 of 150	0.0464400	0.0171973	0.0070	EXP 150 of 150	0.98312	0.01586	0.0243	EXP 150 of 150	319.643	0.031	0.9978	EXP 150 of 150
16D26322	8.0 %	0.0269965	0.0003194	0.8565	EXP 150 of 150	0.07925	0.01780	0.0057	EXP 150 of 150	0.0129988	0.0169099	0.0006	EXP 150 of 150	1.10614	0.01438	0.0319	EXP 150 of 150	367.462	0.034	0.9986	EXP 150 of 150
16D26324	8.5 %	0.0127235	0.0002115	0.9340	EXP 150 of 150	0.07240	0.01889	0.0013	EXP 150 of 150	0.0601236	0.0170488	0.0095	EXP 150 of 150	1.00107	0.01537	0.0052	EXP 150 of 150	293.499	0.028	0.9978	EXP 150 of 150
16D26325	9.0 %	0.0218495	0.0002699	0.9293	EXP 150 of 150	0.12473	0.01785	0.0002	EXP 150 of 150	0.0009873	0.0154820	0.0050	EXP 150 of 150	1.56703	0.01394	0.0042	EXP 150 of 150	576.879	0.039	0.9995	EXP 150 of 150
16D26326	9.5 %	0.0274057	0.0003181	0.9418	EXP 150 of 150	0.34562	0.01960	0.0045	EXP 150 of 150	0.0436262	0.0177384	0.0181	EXP 150 of 150	2.53099	0.01725	0.0375	EXP 150 of 150	924.429	0.051	0.9998	EXP 150 of 150
16D26327	10.0 %	0.0269321	0.0003081	0.9588	EXP 150 of 150	0.58813	0.01663	0.0071	EXP 150 of 150	0.0622109	0.0169859	0.0016	EXP 150 of 150	3.52245	0.01610	0.2150	EXP 150 of 150	1110.106	0.059	0.9998	EXP 150 of 150
16D26329	10.5 %	0.0347253	0.0004231	0.9696	EXP 150 of 150	1.39857	0.01757	0.1643	EXP 150 of 150	0.1699847	0.0162254	0.0024	EXP 150 of 150	6.72923	0.01527	0.6871	EXP 150 of 150	2118.706	0.077	0.9999	EXP 150 of 150
16D26330	11.0 %	0.0302108	0.0004026	0.9737	EXP 150 of 150	1.40088	0.01973	0.0883	EXP 150 of 150	0.1779374	0.0159808	0.0169	EXP 150 of 150	6.52310	0.01551	0.5839	EXP 150 of 150	2075.869	0.074	0.9999	EXP 150 of 150
16D26331	11.5 %	0.0563580	0.0005792	0.9872	EXP 150 of 150	3.59992	0.01738	0.6058	EXP 150 of 150	0.4799430	0.0174275	0.0018	EXP 150 of 150	15.12444	0.01510	0.9077	EXP 150 of 150	5023.470	0.110	1.0000	EXP 150 of 150
16D26332	12.0 %	0.0378867	0.0004819	0.9887	EXP 150 of 150	2.95141	0.01812	0.5210	EXP 150 of 150	0.3732941	0.0189089	0.0017	EXP 149 of 150	12.32725	0.01726	0.8228	EXP 150 of 150	4063.498	0.097	1.0000	EXP 150 of 150
16D26334	12.5 %	0.0606468	0.0005828	0.9945	EXP 150 of 150	5.91775	0.01832	0.7905	EXP 150 of 150	0.8239307	0.0150904	0.0260	EXP 150 of 150	24.12506	0.01686	0.9622	EXP 150 of 150	7927.187	0.143	1.0000	EXP 150 of 150
16D26335	13.0 %	0.0332514	0.0004611	0.9919	EXP 150 of 150	3.20290	0.01793	0.5324	EXP 150 of 150	0.3917193	0.0166797	0.0000	EXP 150 of 150	13.54099	0.01725	0.8465	EXP 150 of 150	4397.485	0.151	0.9999	EXP 150 of 150
16D26336	13.5 %	0.0518385	0.0005993	0.9925	EXP 150 of 150	4.84604	0.01940	0.6393	EXP 150 of 150	0.6684631	0.0170699	0.0033	EXP 149 of 150	20.35410	0.01776	0.9335	EXP 150 of 150	6538.551	0.167	1.0000	EXP 150 of 150
16D26338	14.0 %	0.0328816	0.0004066	0.9900	EXP 150 of 150	2.51414	0.01973	0.3013	EXP 149 of 150	0.2819206	0.0167282	0.0445	EXP 150 of 150	10.84900	0.01715	0.7891	EXP 150 of 150	3457.717	0.099	0.9999	EXP 150 of 150
16D26507	14.5 %	0.0137769	0.0003239	0.9680	EXP 150 of 150	0.82170	0.01798	0.0335	EXP 150 of 150	0.0933838	0.0174241	0.0013	EXP 150 of 150	3.91626	0.01713	0.2193	EXP 149 of 150	1227.465	0.053	0.9999	EXP 150 of 150
16D26508	15.0 %	0.0177808	0.0003663	0.9748	EXP 150 of 150	1.21030	0.01842	0.1273	EXP 150 of 150	0.1586293	0.0168452	0.0142	EXP 150 of 150	5.52267	0.01497	0.5259	EXP 150 of 150	1758.842	0.070	0.9999	EXP 150 of 150
16D26510	15.5 %	0.0297267	0.0004718	0.9873	EXP 150 of 150	2.76576	0.02036	0.4242	EXP 150 of 150	0.3630268	0.0186000	0.0000	EXP 150 of 150	11.99000	0.01787	0.8477	EXP 150 of 150	3866.258	0.098	1.0000	EXP 150 of 150
16D26511	16.0 %	0.0511848	0.0005193	0.9932	EXP 150 of 150	4.47546	0.01767	0.7009	EXP 150 of 150	0.6457711	0.0178602	0.0062	EXP 150 of 150	19.51479	0.01690	0.9443	EXP 150 of 150	6151.193	0.129	1.0000	EXP 150 of 150
16D26513	16.5 %	0.0341186	0.0004640	0.9908	EXP 150 of 150	3.07211	0.01813	0.4448	EXP 150 of 150	0.4233694	0.0159216	0.0037	EXP 150 of 150	13.40713	0.01632	0.8748	EXP 150 of 150	4388.087	0.107	1.0000	EXP 150 of 150
16D26514	17.0 %	0.0141753	0.0003104	0.9820	EXP 150 of 150	0.97885	0.02010	0.0676	EXP 150 of 150	0.1002964	0.0171147	0.0001	EXP 149 of 150	4.39663	0.01650	0.1694	EXP 150 of 150	1431.079	0.055	0.999	

Sample Parameters		Sample	Material	Location	Analyst	Temp	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	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D26293	1.8 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	1.8	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	13	49	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26296	01
16D26294	1.9 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	1.9	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	13	58	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26296	2.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	14	15	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26297	2.1 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.1	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	14	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26298	2.2 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.2	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	14	32	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26299	2.3 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.3	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	14	41	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26301	2.4 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.4	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	14	58	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26302	2.6 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.6	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	6	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26303	2.8 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	2.8	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	15	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26304	3.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	3	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26305	3.2 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	3.2	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	32	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26307	3.4 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	3.4	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	49	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26308	3.7 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	3.7	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	15	58	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26309	4.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	4	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	6	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26310	4.3 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	4.3	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	15	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26311	4.7 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	4.7	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26313	5.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	40	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26314	5.3 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	5.3	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	49	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26315	5.7 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	5.7	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	16	57	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26316	6.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	6	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	6	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26318	6.4 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	6.4	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26319	6.8 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	6.8	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	32	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26320	7.2 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	7.2	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	40	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26321	7.6 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	7.6	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	49	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26322	8.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	8	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	17	57	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26324	8.5 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	8.5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	18	14	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26325	9.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	9	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	18	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26326	9.5 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	9.5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	18	32	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26327	10.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	10	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	18	40	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26329	10.5 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	10.5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	18	57	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26330	11.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	11	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	19	6	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26331	11.5 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	11.5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	19	14	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26332	12.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	12	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	19	23	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26334	12.5 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	12.5	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0.12	0.992221341	0.065	1	4.8E-14	24	JUL	2016	19	40	1	16-OSU-03	0.00	0.00	18.22	Antarctica/Gao (15-54)	16D26299	01
16D26335	13.0 %	MB04-8	Hornblende	South Shettlands Islands	Dan Miggins	13	FCT-NM (3C12-16)	28.201	0.082	Kuiper et al (2008)	9.91608	0.111	0.00158504	0.111	304.977	0																	

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(d)		K/Ca		K/Cl		Ca/Cl		
	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ	%1σ		
16D26293	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
16D26294	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
16D26296	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
16D26297	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
16D26298	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
16D26299	2.3 %	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
16D26301	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
16D26302	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
16D26303	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
16D26304	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
16D26305	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
16D26307	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
16D26308	3.7 %	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
16D26309	4.0 %	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
16D26310	4.3 %	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
16D26311	4.7 %	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
16D26313	5.0 %	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
16D26314	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
16D26315	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
16D26316	6.0 %	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
16D26318	6.4 %	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
16D26319	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
16D26320	7.2 %	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
16D26321	7.6 %	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
16D26322	8.0 %	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
16D26324	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
16D26325	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
16D26326	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
16D26327	10.0 %	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
16D26329	10.5 %	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
16D26330	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
16D26331	11.5 %	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
16D26332	12.0 %	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
16D26334	12.5 %	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
16D26335	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
16D26336	13.5 %	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
16D26338	14.0 %	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
16D26507	14.5 %	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
16D26508	15.0 %	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
16D26510	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
16D26511	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
16D26513	16.5 %	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
16D26514	17.0 %	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
16D26516	17.5 %	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
16D26517	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
16D26519	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

16D26269.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

743.93 ± 5.46

TOTAL FUSION

756.97 ± 1.67

NORMAL ISOCHRON

719.04 ± 29.39

INVERSE ISOCHRON

695.66 ± 32.85

MSWD (PROBABILITY)

71.36 (0%)

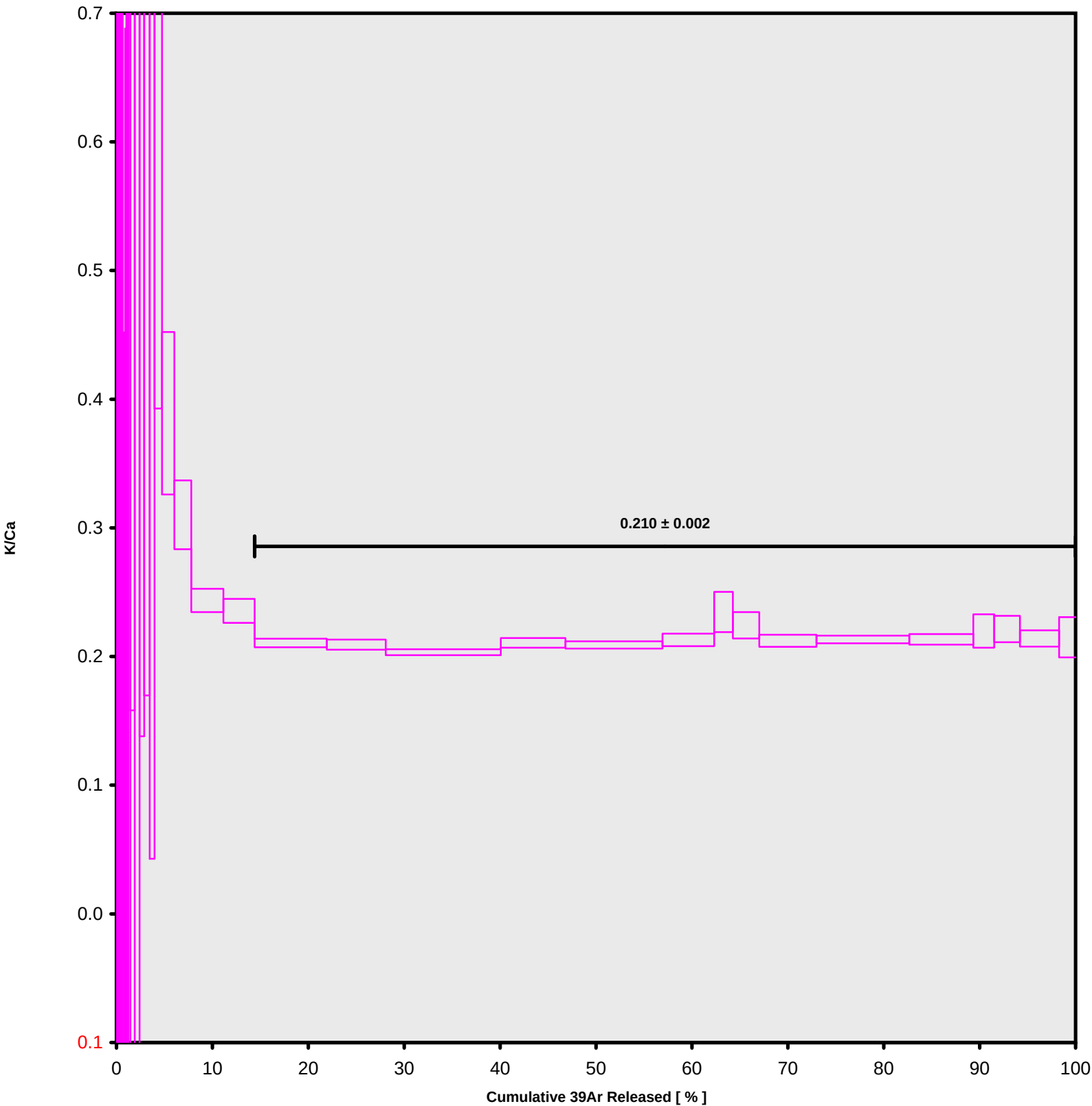
Sample Info

Hornblende
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C12-16)

J = 0.00158504 ± 0.00000176

16D26269.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

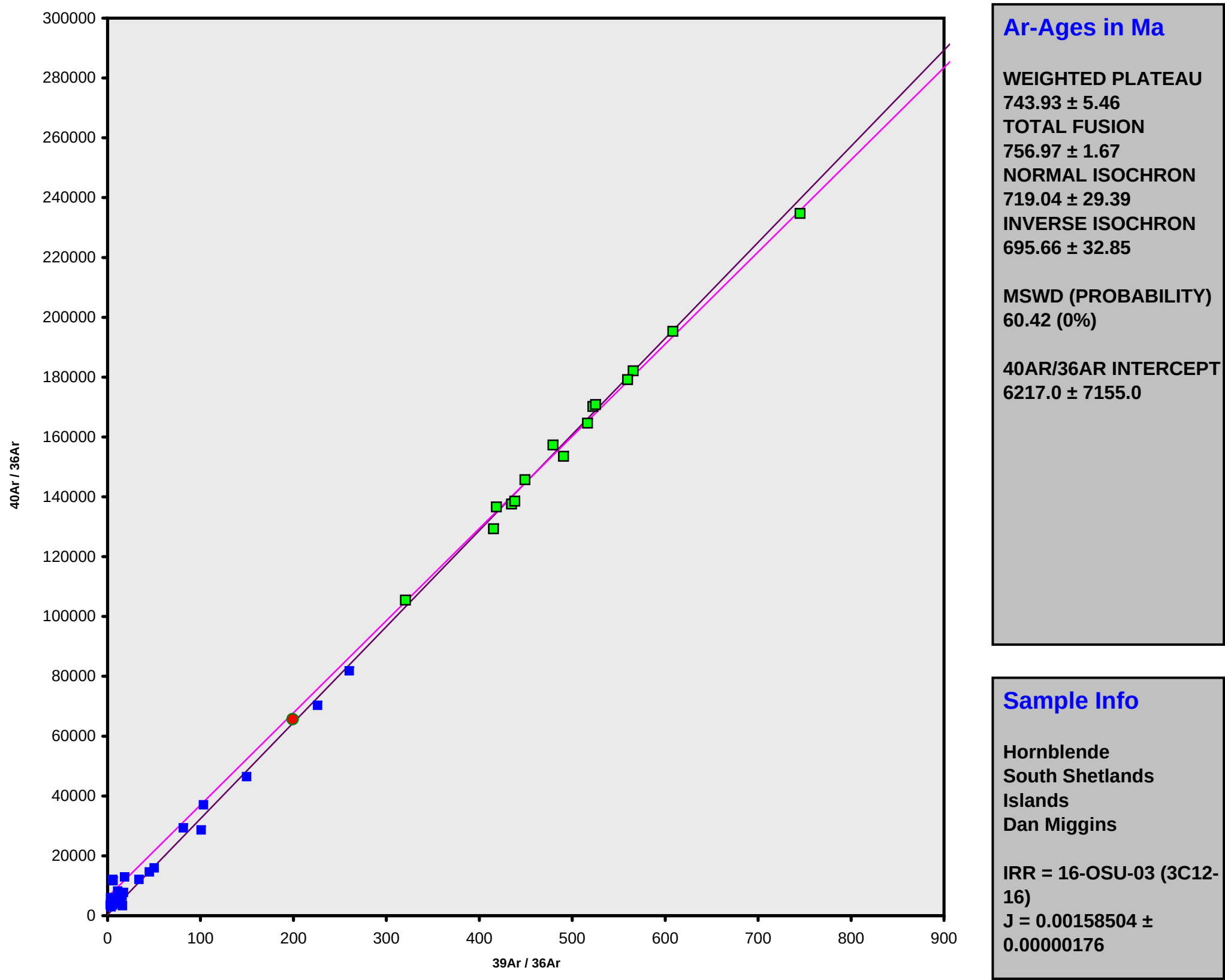
WEIGHTED PLATEAU
743.93 ± 5.46
TOTAL FUSION
756.97 ± 1.67
NORMAL ISOCHRON
719.04 ± 29.39
INVERSE ISOCHRON
695.66 ± 32.85

Sample Info

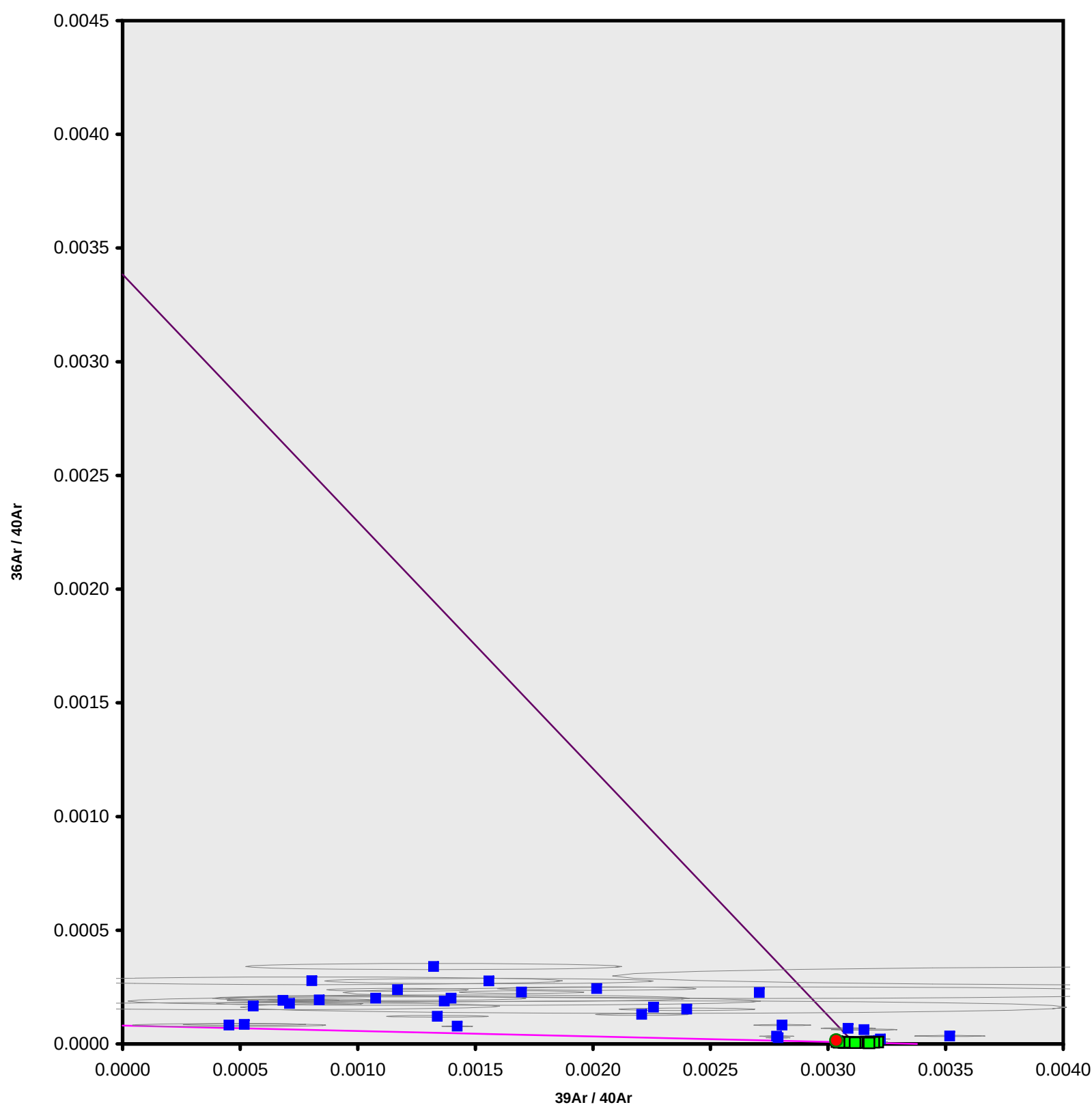
Hornblende
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C12-16)
J = 0.00158504 ± 0.00000176

16D26269.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



16D26269.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

743.93 ± 5.46

TOTAL FUSION

756.97 ± 1.67

NORMAL ISOCHRON

719.04 ± 29.39

INVERSE ISOCHRON

695.66 ± 32.85

MSWD (PROBABILITY)

56.03 (0%)

SPREADING FACTOR

5.1%

40AR/36AR INTERCEPT

12356.8 ± 7482.8

Sample Info

Hornblende
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C12-16)

J = 0.00158504 ± 0.00000176

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
16D26351	0.8 %	0.0031860	0.2862617	0.0000000	0.03270	2.199	181.92 ± 234.01	70.02	0.02	0.0 ± 0.1
16D26352	0.9 %	0.0042009	0.2324833	0.0000000	0.00922	3.730	890.73 ± 3390.29	75.03	0.00	0.0 ± 0.1
16D26353	1.0 %	0.0044574	0.0020107	0.0155735	0.01491	4.066	645.89 ± 1651.56	75.53	0.01	3.2 ± 682.8
16D26355	1.1 %	0.0048907	0.1700963	0.0000000	0.01558	4.983	737.16 ± 1734.94	77.52	0.01	0.0 ± 0.2
16D26356	1.2 %	0.0048918	0.4946064	0.0179757	0.04770	5.802	316.76 ± 273.17	80.05	0.02	0.0 ± 0.1
16D26357	1.3 %	0.0073073	0.0370278	0.0000000	0.05717	5.000	233.17 ± 177.36	69.84	0.03	0.7 ± 8.1
16D26358	1.4 %	0.0058123	0.1945578	0.0276188	0.05223	8.322	404.61 ± 322.37	82.89	0.02	0.1 ± 0.3
16D26359	1.5 %	0.0057650	0.2604212	0.0000000	0.07200	7.891	287.76 ± 171.34	82.24	0.03	0.1 ± 0.2
16D26361	1.6 %	0.0098365	0.0286320	0.0012562	0.09173	19.054	511.50 ± 212.37	86.76	0.04	1.4 ± 23.4
16D26362	1.7 %	0.0057486	0.0933525	0.0000000	0.05545	12.776	559.48 ± 402.75	88.26	0.03	0.3 ± 1.2
16D26363	1.8 %	0.0091079	0.2310636	0.0000000	0.12205	23.710	482.42 ± 156.16	89.80	0.06	0.2 ± 0.5
16D26364	1.9 %	0.0101453	0.1477825	0.0000000	0.12748	26.511	512.00 ± 155.56	89.84	0.06	0.4 ± 1.1
16D26366	2.0 %	0.0083435	0.0967331	0.0000000	0.06693	17.125	611.94 ± 339.87	87.41	0.03	0.3 ± 1.4
16D26367	2.1 %	0.0077297	0.0898356	0.0059849	0.15783	20.204	331.89 ± 84.20	89.84	0.07	0.8 ± 3.9
16D26368	2.2 %	0.0092857	0.1459934	0.0086463	0.15406	31.634	506.36 ± 127.31	92.02	0.07	0.5 ± 1.4
16D26369	2.3 %	0.0101545	0.0088333	0.0000000	0.14036	32.970	568.86 ± 157.30	91.66	0.06	6.8 ± 368.6
16D26371	2.4 %	0.0117903	0.0736612	0.0000000	0.23983	44.533	463.61 ± 75.62	92.74	0.11	1.4 ± 9.0
16D26372	2.6 %	0.0121364	0.1405462	0.0127909	0.25342	54.466	526.87 ± 80.25	93.82	0.12	0.8 ± 2.6
16D26373	2.8 %	0.0184879	0.0174802	0.0000000	0.42537	87.553	507.43 ± 47.02	94.13	0.20	10.5 ± 283.0
16D26374	3.0 %	0.0216590	0.0673389	0.0049444	0.44279	91.101	507.25 ± 46.69	93.43	0.20	2.8 ± 19.9
16D26375	3.2 %	0.0223460	0.0436305	0.0000000	0.58668	123.693	518.16 ± 33.26	94.93	0.27	5.8 ± 59.3
16D26377	3.4 %	0.0205078	0.0130872	0.0000000	0.65921	142.412	529.24 ± 33.26	95.92	0.30	21.7 ± 744.2
16D26378	3.7 %	0.0305216	0.1010860	0.0139253	0.95614	210.544	538.06 ± 23.02	95.89	0.44	4.1 ± 18.4
16D26379	4.0 %	0.0368641	0.0574868	0.0000000	1.16816	251.739	528.10 ± 16.43	95.85	0.54	8.7 ± 67.3
16D26380	4.3 %	0.0314668	0.0227279	0.0000000	1.38897	313.953	550.35 ± 15.66	97.12	0.64	26.3 ± 525.6
16D26381	4.7 %	0.0327772	0.0237734	0.0205450	2.08090	446.960	526.60 ± 10.00	97.88	0.96	37.6 ± 682.5
16D26383	5.0 %	0.0362902	0.0660328	0.0098963	1.95210	431.360	539.69 ± 10.91	97.57	0.90	12.7 ± 87.3
16D26384	5.3 %	0.0379390	0.1304479	0.0000000	2.59673	556.041	525.19 ± 7.75	98.02	1.20	8.6 ± 30.4
16D26385	5.7 %	0.0465631	0.0028346	0.0000000	3.67305	788.069	526.09 ± 5.82	98.28	1.69	557.2 ± 87866.0
16D26386	6.0 %	0.0494259	0.1708386	0.0069348	4.08002	883.229	530.18 ± 5.01	98.37	1.88	10.3 ± 26.1
16D26388	6.4 %	0.0379409	0.0524375	0.0230569	3.76146	801.682	523.06 ± 5.56	98.62	1.73	30.8 ± 258.8
16D26389	6.8 %	0.0448163	0.3140551	0.0000000	5.54987	1194.765	527.63 ± 3.60	98.90	2.56	7.6 ± 11.0
16D26390	7.2 %	0.0460430	0.0295704	0.0167362	5.87016	1264.164	527.79 ± 3.74	98.93	2.71	85.4 ± 1273.9
16D26391	7.6 %	0.0592216	0.2515024	0.0055958	7.90655	1691.392	524.75 ± 2.69	98.97	3.65	13.5 ± 23.1
16D26392	8.0 %	0.0433989	0.0147701	0.0316237	8.03120	1725.956	526.84 ± 2.68	99.26	3.70	233.8 ± 6960.1
16D26394	8.5 %	0.0605665	0.0159366	0.0388365	10.29916	2206.872	525.50 ± 2.16	99.19	4.75	277.9 ± 7574.5
16D26395	9.0 %	0.0516373	0.3012107	0.0254413	11.93260	2553.896	524.97 ± 1.87	99.40	5.50	17.0 ± 26.3
16D26396	9.5 %	✓ 0.0456938	0.0661295	0.0179158	10.38535	2216.333	523.65 ± 2.06	99.39	4.79	67.5 ± 479.0
16D26397	10.0 %	✓ 0.0761738	0.0294663	0.0702994	16.28653	3461.646	521.81 ± 1.38	99.35	7.51	237.7 ± 3583.7
16D26399	10.5 %	✓ 0.0389655	0.1720953	0.0517707	13.30669	2822.013	520.81 ± 1.64	99.59	6.14	33.2 ± 85.1
16D26400	11.0 %	✓ 0.0397735	0.0183722	0.0569634	13.69272	2907.698	521.40 ± 1.63	99.60	6.32	320.5 ± 8013.6
16D26401	11.5 %	✓ 0.0437782	0.1109092	0.0681952	15.07359	3195.975	520.70 ± 1.56	99.60	6.95	58.4 ± 244.3
16D26402	12.0 %	✓ 0.0396454	0.1218931	0.0678911	13.04764	2762.104	519.99 ± 1.72	99.58	6.02	46.0 ± 174.8
16D26404	12.5 %	✓ 0.0406539	0.1132867	0.0610230	15.52747	3288.745	520.23 ± 1.56	99.63	7.16	58.9 ± 242.9
16D26405	13.0 %	✓ 0.0275973	0.1644017	0.0363888	11.30106	2401.631	521.74 ± 1.92	99.66	5.21	29.6 ± 81.7
16D26406	13.5 %	✓ 0.0383303	0.3689889	0.0392146	15.21137	3229.811	521.35 ± 1.50	99.65	7.02	17.7 ± 22.5
16D26408	14.0 %	0.0488598	0.0744058	0.0662453	17.91793	3780.423	518.48 ± 1.31	99.62	8.26	103.5 ± 635.7

Σ 1.3027344 1.8293719 0.8232898 216.82214 46156.733

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Sample = MB04-8	Age Plateau	212.26326 ± 0.29967 ± 0.14%	521.21 ± 1.19 ± 0.23%	1.38	57.11	20.2 ± 20.7
Material = Biotite			Full External Error ± 11.08	20%	9	
Location = South Shetlands Islands			Analytical Error ± 0.64	2.00	2σ Confidence Limit	
Analyst = Dan Miggins				1.1761	Error Magnification	
Project = ANTARCTICA GAO (15-54)	Total Fusion Age	212.87832 ± 0.31289 ± 0.15%	522.52 ± 1.21 ± 0.23%		47	51.0 ± 86.6
Mass Discrimination Law = LIN			Full External Error ± 11.10			
Irradiation = 16-OSU-03 (3C16-16)			Analytical Error ± 0.67			
J = 0.00157382 ± 0.00000175						
FCT-NM = 28.201 ± 0.023 Ma						

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D26351	0.8 %	10.27 ± 13.99	985.79 ± 204.65	0.1438
16D26352	0.9 %	2.20 ± 10.59	1183.33 ± 186.15	0.0313
16D26353	1.0 %	3.34 ± 10.18	1207.64 ± 177.93	0.0465
16D26355	1.1 %	3.19 ± 9.14	1314.29 ± 177.44	0.0456
16D26356	1.2 %	9.75 ± 9.24	1481.62 ± 192.78	0.1336
16D26357	1.3 %	7.82 ± 6.37	979.69 ± 91.80	0.1089
16D26358	1.4 %	8.99 ± 8.05	1727.30 ± 195.71	0.1241
16D26359	1.5 %	12.49 ± 8.16	1664.34 ± 189.44	0.1708
16D26361	1.6 %	9.33 ± 4.49	2232.56 ± 154.39	0.1421
16D26362	1.7 %	9.65 ± 8.15	2517.93 ± 291.20	0.1357
16D26363	1.8 %	13.40 ± 5.04	2898.75 ± 212.47	0.1938
16D26364	1.9 %	12.57 ± 4.47	2908.65 ± 201.49	0.1937
16D26366	2.0 %	8.02 ± 5.29	2347.98 ± 186.93	0.1196
16D26367	2.1 %	20.42 ± 5.94	2909.30 ± 256.49	0.3011
16D26368	2.2 %	16.59 ± 4.92	3702.18 ± 260.79	0.2365
16D26369	2.3 %	13.82 ± 4.54	3542.28 ± 222.70	0.1906
16D26371	2.4 %	20.34 ± 3.97	4072.58 ± 255.85	0.3210
16D26372	2.6 %	20.88 ± 3.86	4783.33 ± 281.25	0.3170
16D26373	2.8 %	23.01 ± 2.62	5031.22 ± 207.07	0.3607
16D26374	3.0 %	20.44 ± 2.29	4501.67 ± 167.74	0.3324
16D26375	3.2 %	26.25 ± 2.15	5830.83 ± 205.62	0.4307
16D26377	3.4 %	32.14 ± 2.64	7239.81 ± 281.00	0.4719
16D26378	3.7 %	31.33 ± 1.78	7193.67 ± 199.35	0.4887
16D26379	4.0 %	31.69 ± 1.36	7124.34 ± 168.31	0.5498
16D26380	4.3 %	44.14 ± 1.87	10272.80 ± 273.10	0.6272
16D26381	4.7 %	63.49 ± 2.22	13931.82 ± 378.82	0.7790
16D26383	5.0 %	53.79 ± 1.84	12181.89 ± 303.91	0.7298
16D26384	5.3 %	68.44 ± 1.99	14951.68 ± 353.37	0.8119
16D26385	5.7 %	78.88 ± 1.88	17220.24 ± 347.33	0.8452
16D26386	6.0 %	82.55 ± 1.88	18165.25 ± 362.32	0.8774
16D26388	6.4 %	99.14 ± 2.69	21425.26 ± 519.68	0.8928
16D26389	6.8 %	123.84 ± 2.90	26954.68 ± 594.76	0.9419
16D26390	7.2 %	127.49 ± 2.97	27751.66 ± 604.99	0.9364
16D26391	7.6 %	133.51 ± 2.64	28855.87 ± 545.23	0.9546
16D26392	8.0 %	185.06 ± 4.58	40065.09 ± 963.40	0.9716
16D26394	8.5 %	170.05 ± 3.35	36732.65 ± 703.59	0.9708
16D26395	9.0 %	231.09 ± 5.17	49753.87 ± 1095.08	0.9830
16D26396	9.5 % ✓	227.28 ± 5.81	48799.49 ± 1227.61	0.9842
16D26397	10.0 % ✓	213.81 ± 3.53	45739.58 ± 742.40	0.9829
16D26399	10.5 % ✓	341.50 ± 9.34	72718.89 ± 1971.19	0.9912
16D26400	11.0 % ✓	344.27 ± 9.74	73401.88 ± 2058.87	0.9919
16D26401	11.5 % ✓	344.32 ± 9.21	73299.30 ± 1945.00	0.9917
16D26402	12.0 % ✓	329.11 ± 8.88	69965.68 ± 1869.34	0.9900
16D26404	12.5 % ✓	381.94 ± 10.74	81191.68 ± 2265.72	0.9924
16D26405	13.0 % ✓	409.50 ± 14.75	87319.63 ± 3122.50	0.9931
16D26406	13.5 % ✓	396.85 ± 11.54	84558.09 ± 2443.13	0.9935
16D26408	14.0 %	366.72 ± 8.66	77668.44 ± 1819.90	0.9924

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	581.25 ± 333.25 ± 57.33%	211.35959 ± 1.09120 ± 0.52%	519.28 ± 2.54 ± 0.49% Full External Error ± 11.26 Analytical Error ± 2.33	1.06 38%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.07 1.0309 9	Convergence Number of Iterations Calculated Line	0.001760731320 1 Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D26351	0.8 %		0.0104130 ± 0.0140413	0.00101442 ± 0.00021060	0.0087
16D26352	0.9 %		0.0018551 ± 0.0089413	0.00084507 ± 0.00013294	0.0013
16D26353	1.0 %		0.0027690 ± 0.0084189	0.00082806 ± 0.00012200	0.0019
16D26355	1.1 %		0.0024240 ± 0.0069458	0.00076087 ± 0.00010273	0.0015
16D26356	1.2 %		0.0065812 ± 0.0061827	0.00067494 ± 0.00008782	0.0037
16D26357	1.3 %		0.0079863 ± 0.0064647	0.00102074 ± 0.00009564	0.0062
16D26358	1.4 %		0.0052026 ± 0.0046243	0.00057894 ± 0.00006560	0.0024
16D26359	1.5 %		0.0075042 ± 0.0048291	0.00060084 ± 0.00006839	0.0036
16D26361	1.6 %		0.0041769 ± 0.0019905	0.00044792 ± 0.00003098	0.0015
16D26362	1.7 %		0.0038310 ± 0.0032058	0.00039715 ± 0.00004593	0.0012
16D26363	1.8 %		0.0046227 ± 0.0017043	0.00034498 ± 0.00002529	0.0013
16D26364	1.9 %		0.0043202 ± 0.0015067	0.00034380 ± 0.00002382	0.0012
16D26366	2.0 %		0.0034162 ± 0.0022361	0.00042590 ± 0.00003391	0.0012
16D26367	2.1 %		0.0070186 ± 0.0019476	0.00034373 ± 0.00003030	0.0019
16D26368	2.2 %		0.0044814 ± 0.0012915	0.00027011 ± 0.00001903	0.0010
16D26369	2.3 %		0.0039021 ± 0.0012574	0.00028230 ± 0.00001775	0.0009
16D26371	2.4 %		0.0049947 ± 0.0009233	0.00024554 ± 0.00001543	0.0009
16D26372	2.6 %		0.0043654 ± 0.0007663	0.00020906 ± 0.00001229	0.0007
16D26373	2.8 %		0.0045731 ± 0.0004858	0.00019876 ± 0.00000818	0.0007
16D26374	3.0 %		0.0045413 ± 0.0004792	0.00022214 ± 0.00000828	0.0007
16D26375	3.2 %		0.0045027 ± 0.0003323	0.00017150 ± 0.00000605	0.0006
16D26377	3.4 %		0.0044400 ± 0.0003217	0.00013813 ± 0.00000536	0.0004
16D26378	3.7 %		0.0043548 ± 0.0002153	0.00013901 ± 0.00000385	0.0004
16D26379	4.0 %		0.0044479 ± 0.0001595	0.00014036 ± 0.00000332	0.0004
16D26380	4.3 %		0.0042969 ± 0.0001418	0.00009734 ± 0.00000259	0.0003
16D26381	4.7 %		0.0045569 ± 0.0000997	0.00007178 ± 0.00000195	0.0002
16D26383	5.0 %		0.0044157 ± 0.0001032	0.00008209 ± 0.00000205	0.0002
16D26384	5.3 %		0.0045777 ± 0.0000778	0.00006688 ± 0.00000158	0.0002
16D26385	5.7 %		0.0045808 ± 0.0000584	0.00005807 ± 0.00000117	0.0002
16D26386	6.0 %		0.0045443 ± 0.0000496	0.00005505 ± 0.00000110	0.0002
16D26388	6.4 %		0.0046273 ± 0.0000566	0.00004667 ± 0.00000113	0.0002
16D26389	6.8 %		0.0045942 ± 0.0000361	0.00003710 ± 0.00000082	0.0001
16D26390	7.2 %		0.0045941 ± 0.0000375	0.00003603 ± 0.00000079	0.0001
16D26391	7.6 %		0.0046267 ± 0.0000273	0.00003465 ± 0.00000065	0.0001
16D26392	8.0 %		0.0046189 ± 0.0000271	0.00002496 ± 0.00000060	0.0001
16D26394	8.5 %		0.0046293 ± 0.0000219	0.00002722 ± 0.00000052	0.0001
16D26395	9.0 %		0.0046446 ± 0.0000191	0.00002010 ± 0.00000044	0.0001
16D26396	9.5 %	✓	0.0046575 ± 0.0000210	0.00002049 ± 0.00000052	0.0001
16D26397	10.0 %	✓	0.0046745 ± 0.0000142	0.00002186 ± 0.00000035	0.0001
16D26399	10.5 %	✓	0.0046962 ± 0.0000170	0.00001375 ± 0.00000037	0.0001
16D26400	11.0 %	✓	0.0046902 ± 0.0000168	0.00001362 ± 0.00000038	0.0001
16D26401	11.5 %	✓	0.0046974 ± 0.0000162	0.00001364 ± 0.00000036	0.0001
16D26402	12.0 %	✓	0.0047039 ± 0.0000179	0.00001429 ± 0.00000038	0.0001
16D26404	12.5 %	✓	0.0047042 ± 0.0000163	0.00001232 ± 0.00000034	0.0001
16D26405	13.0 %	✓	0.0046897 ± 0.0000198	0.00001145 ± 0.00000041	0.0001
16D26406	13.5 %	✓	0.0046932 ± 0.0000156	0.00001183 ± 0.00000034	0.0001
16D26408	14.0 %		0.0047216 ± 0.0000137	0.00001288 ± 0.00000030	0.0001

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Clustered Points	607.01 ± 268.89 ± 44.30%	211.27524 ± 1.08935 ± 0.52%	519.10 ± 2.53 ± 0.49% Full External Error ± 11.26 Analytical Error ± 2.33	1.06 39%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	2.07 1.0296 9 1.0%	Convergence Number of Iterations Calculated Line	0.0000014369 3 Weighted York-2

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
16D26351	0.8 %	0.0032622	9.674	0.2862617	78.729	0.0010537	2303.812	0.03290	66.979	3.141	2.467	67.24655 ± 90.92635	181.92 ± 234.01	70.02	0.02	0.0 ± 0.1
16D26352	0.9 %	0.0042628	7.464	0.2324833	97.701	0.0149590	160.457	0.00938	236.948	4.971	1.559	404.44792 #####	890.73 ± 3390.29	75.03	0.00	0.0 ± 0.1
16D26353	1.0 %	0.0044596	7.103	0.0020107	10709.240	0.0165858	144.851	0.01490	152.022	5.383	1.448	272.76860 ± 829.43993	645.89 ± 1651.56	75.53	0.01	3.2 ± 682.8
16D26355	1.1 %	0.0049360	6.475	0.1700963	128.371	0.0239134	100.840	0.01570	142.214	6.428	1.204	319.78441 ± 916.42120	737.16 ± 1734.94	77.52	0.01	0.0 ± 0.2
16D26356	1.2 %	0.0050267	6.135	0.4946064	44.352	0.0194994	128.608	0.04803	46.632	7.248	1.070	121.64329 ± 114.35990	316.76 ± 273.17	80.05	0.02	0.0 ± 0.1
16D26357	1.3 %	0.0073171	4.477	0.0370278	609.597	0.0067942	382.030	0.05720	40.441	7.159	1.085	87.44680 ± 70.89662	233.17 ± 177.36	69.84	0.03	0.7 ± 8.1
16D26358	1.4 %	0.0058690	5.462	0.1945578	116.247	0.0293475	82.214	0.05236	44.323	10.040	0.772	159.32909 ± 141.67769	404.61 ± 322.37	82.89	0.02	0.1 ± 0.3
16D26359	1.5 %	0.0058343	5.469	0.2604212	87.542	0.0010724	2163.962	0.07218	32.087	9.595	0.807	109.59931 ± 70.58993	287.76 ± 171.34	82.24	0.03	0.1 ± 0.2
16D26361	1.6 %	0.0098444	3.373	0.0286320	850.326	0.0042002	596.058	0.09175	23.819	21.961	0.355	207.72402 ± 99.01907	511.50 ± 212.37	86.76	0.04	1.4 ± 23.4
16D26362	1.7 %	0.0057238	5.688	0.0933525	239.349	0.0169215	150.121	0.05539	41.883	14.475	0.540	230.39390 ± 192.83006	559.48 ± 402.75	88.26	0.03	0.3 ± 1.2
16D26363	1.8 %	0.0091695	3.567	0.2310636	98.990	0.0027457	920.345	0.12220	18.408	26.402	0.296	194.27277 ± 71.64548	482.42 ± 156.16	89.80	0.06	0.2 ± 0.5
16D26364	1.9 %	0.0101060	3.417	0.1477825	151.438	0.0119274	220.775	0.12738	17.450	29.510	0.264	207.95635 ± 72.54933	512.00 ± 155.56	89.84	0.06	0.4 ± 1.1
16D26366	2.0 %	0.0083177	3.910	0.0967331	228.024	0.0088985	267.287	0.06686	32.756	19.591	0.396	255.88075 ± 167.51412	611.94 ± 339.87	87.41	0.03	0.3 ± 1.4
16D26367	2.1 %	0.0077068	4.334	0.0898356	257.483	0.0093220	262.820	0.15777	13.875	22.488	0.345	128.00663 ± 35.54648	331.89 ± 84.20	89.84	0.07	0.8 ± 3.9
16D26368	2.2 %	0.0093261	3.439	0.1459934	155.189	0.0122458	188.383	0.15416	14.398	34.378	0.226	205.33141 ± 59.18728	506.36 ± 127.31	92.02	0.07	0.5 ± 1.4
16D26369	2.3 %	0.0101522	3.074	0.0088333	2697.676	0.0225109	106.189	0.14035	16.111	35.971	0.217	234.89492 ± 75.70564	568.86 ± 157.30	91.66	0.06	6.8 ± 368.6
16D26371	2.4 %	0.0117707	3.096	0.0736612	321.829	0.0001325	17869.545	0.23978	9.243	48.018	0.164	185.68668 ± 34.33781	463.61 ± 75.62	92.74	0.11	1.4 ± 9.0
16D26372	2.6 %	0.0121761	2.880	0.1405462	169.270	0.0181182	132.133	0.25352	8.772	58.053	0.135	214.92105 ± 37.73655	526.87 ± 80.25	93.82	0.12	0.8 ± 2.6
16D26373	2.8 %	0.0184925	2.027	0.0174802	1352.444	0.0052990	456.657	0.42538	5.311	93.018	0.085	205.82772 ± 21.87279	507.43 ± 47.02	94.13	0.20	10.5 ± 283.0
16D26374	3.0 %	0.0216778	1.837	0.0673389	350.997	0.0143244	164.883	0.44283	5.275	97.503	0.081	205.74595 ± 21.71915	507.25 ± 46.69	93.43	0.20	2.8 ± 19.9
16D26375	3.2 %	0.0223576	1.741	0.0436305	513.182	0.0012020	2122.715	0.58671	3.689	130.298	0.062	210.83455 ± 15.56600	518.16 ± 33.26	94.93	0.27	5.8 ± 59.3
16D26377	3.4 %	0.0205112	1.917	0.0130872	1717.908	0.0263061	94.714	0.65922	3.623	148.475	0.053	216.03369 ± 15.65886	529.24 ± 33.26	95.92	0.30	21.7 ± 744.2
16D26378	3.7 %	0.0305510	1.369	0.1010860	226.491	0.0311405	76.453	0.95621	2.471	219.566	0.037	220.20070 ± 10.88958	538.06 ± 23.02	95.89	0.44	4.1 ± 18.4
16D26379	4.0 %	0.0368488	1.170	0.0574868	385.027	0.0179260	140.783	1.16812	1.793	262.637	0.031	215.50099 ± 7.73202	528.10 ± 16.43	95.85	0.54	8.7 ± 67.3
16D26380	4.3 %	0.0314607	1.315	0.0227279	1000.061	0.0150106	155.516	1.38896	1.650	323.257	0.026	226.03272 ± 7.46063	550.35 ± 15.66	97.12	0.64	26.3 ± 525.6
16D26381	4.7 %	0.0327745	1.348	0.0237734	906.708	0.0517046	44.774	2.08088	1.094	456.654	0.018	214.79200 ± 4.70162	526.60 ± 10.00	97.88	0.96	37.6 ± 682.5
16D26383	5.0 %	0.0362744	1.237	0.0660328	343.502	0.0401599	60.802	1.95206	1.168	442.091	0.019	220.97213 ± 5.16561	539.69 ± 10.91	97.57	0.90	12.7 ± 87.3
16D26384	5.3 %	0.0379043	1.171	0.1304479	177.381	0.0218362	114.571	2.59664	0.849	567.262	0.015	214.13096 ± 3.63920	525.19 ± 7.75	98.02	1.20	8.6 ± 30.4
16D26385	5.7 %	0.0465639	1.000	0.0028346	7884.715	0.0482952	50.354	3.67305	0.638	801.842	0.011	214.55426 ± 2.73740	526.09 ± 5.82	98.28	1.69	557.2 ± 87866.0
16D26386	6.0 %	0.0494726	0.989	0.1708386	127.086	0.0652715	36.967	4.08013	0.545	897.850	0.010	216.47664 ± 2.36238	530.18 ± 5.01	98.37	1.88	10.3 ± 26.1
16D26388	6.4 %	0.0379310	1.203	0.0524375	419.463	0.0753985	33.112	3.76143	0.612	812.908	0.011	213.13034 ± 2.60930	523.06 ± 5.56	98.62	1.73	30.8 ± 258.8
16D26389	6.8 %	0.0447326	1.097	0.3140551	72.231	0.0729345	33.627	5.54966	0.393	1208.029	0.008	215.27789 ± 1.69400	527.63 ± 3.60	98.90	2.56	7.6 ± 11.0
16D26390	7.2 %	0.0460381	1.083	0.0295704	746.197	0.0959634	25.449	5.87014	0.408	1277.792	0.007	215.35436 ± 1.76011	527.79 ± 3.74	98.93	2.71	85.4 ± 1273.9
16D26391	7.6 %	0.0591556	0.941	0.2515024	85.544	0.1117700	22.647	7.90638	0.295	1708.922	0.006	213.92282 ± 1.26219	524.75 ± 2.69	98.97	3.65	13.5 ± 23.1
16D26392	8.0 %	0.0434084	1.194	0.0147701	1488.390	0.1363595	17.528	8.03121	0.293	1738.811	0.006	214.90622 ± 1.25986	526.84 ± 2.68	99.26	3.70	233.8 ± 6960.1
16D26394	8.5 %	0.0605776	0.953	0.0159366	1362.852	0.1740667	13.401	10.29917	0.236	2224.809	0.005	214.27693 ± 1.01398	525.50 ± 2.16	99.19	4.75	277.9 ± 7574.5
16D26395	9.0 %	0.0515615	1.096	0.3012107	77.138	0.1786318	13.466	11.93240	0.206	2569.200	0.004	214.02671 ± 0.88042	524.97 ± 1.87	99.40	5.50	17.0 ± 26.3
16D26396	9.5 %	✓ 0.0456794	1.251	0.0661295	354.694	0.1513973	15.400	10.38530	0.226	2229.875	0.005	213.40957 ± 0.96485	523.65 ± 2.06	99.39	4.79	67.5 ± 479.0
16D26397	10.0 %	✓ 0.0761940	0.808	0.0294663	753.921	0.2804816	8.670	16.28655	0.152	3484.218	0.004	212.54664 ± 0.64761	521.81 ± 1.38	99.35	7.51	237.7 ± 3583.7
16D26399	10.5 %	✓ 0.0390204	1.345	0.1720953	128.032	0.2191584	11.285	13.30680	0.181	2833.578	0.004	212.07479 ± 0.76774	520.81 ± 1.64	99.59	6.14	33.2 ± 85.1
16D26400	11.0 %	✓ 0.0397787	1.394	0.0183722	1250.256	0.2291328	10.556	13.69271	0.180	2919.503	0.004	212.35354 ± 0.76297	521.40 ± 1.63	99.60	6.32	320.5 ± 8013.6
16D26401	11.5 %	✓ 0.0438198	1.318	0.1109092	208.994	0.2577357	9.232	15.07367	0.172	3208.969	0.004	212.02478 ± 0.73020	520.70 ± 1.56	99.60	6.95	58.4 ± 244.3
16D26402	12.0 %	✓ 0.0396899	1.325	0.1218931	189.883	0.2322858	10.074	13.04772	0.190	2773.869	0.004	211.69372 ± 0.80633	519.99 ± 1.72	99.58	6.02	46.0 ± 174.8
16D26404	12.5 %	✓ 0.0406948	1.385	0.1132867	206.028	0.2554404	9.346	15.52755	0.173	3300.818	0.004	211.80170 ± 0.73229	520.23 ± 1.56	99.63	7.16	58.9 ± 242.9
16D26405	13.0 %	✓ 0.0276475	1.771	0.1644017	138.138	0.1775216	12.986	11.30117	0.211	2409.829	0.005	212.51373 ± 0.89956	521.74 ± 1.92	99.66	5.21	29.6 ± 81.7
16D26406	13.5 %	✓ 0.0384355	1.431	0.3689889	63.497	0.2294130	11.198	15.21162	0.166	3241.196	0.004	212.32880 ± 0.70449	521.35 ± 1.50	99.65	7.02	17.7 ± 22.5
16D26408	14.0 %	0.0488516	1.165	0.0744058	306.962	0.2909424	8.536	17.91788	0.145	3794.930	0.003	210.98554 ± 0.61189	518.48 ± 1.31	99.62	8.26	103.5 ± 635.7

Σ 1.3033666 0.232 1.8293719 84.997 3.4420296 4.847 216.82337 0.073 46542.520 0.001

Information on Analysis and Constants Used in Calculations	
Sample = MB04-8 Material = Biotite Location = South Shetlands Islands Analyst = Dan Miggins Project = ANTARCTICA GAO (15-54) Mass Discrimination Law = LIN Irradiation = 16-OSU-03 (3C16-16) J = 0.00157382 ± 0.00000175 FCT-NM = 28.201 ± 0.023 Ma IGSN = Undefined Preferred Age = Undefined Classification = Undefined Experiment Type = Incremental Heating Extraction Method = Undefined Heating = 77 sec Isolation = 1.50 min Instrument = ARGUS-VI-D Lithology = Undefined Lat-Lon = Undefined - Undefined Collector Calibrations = 36Ar	Age Equations = Min et al. (2000)
	Negative Intensities = Allowed
	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) = 0.000676 ± 0.000009
	Production 38/37(ca) = 0.000072 ± 0.000009
	Production 36/37(ca) = 0.000266 ± 0.000000
	Production 40/39(k) = 0.003823 ± 0.000102
	Production 38/39(k) = 0.012031 ± 0.000019

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% _n)	K/Ca ± 2σ
Age Plateau		212.26326 ± 0.29967 ± 0.14%	521.21 ± 1.19 ± 0.23%	1.38	57.11	20.2 ± 20.7
				20%	9	
				2.00	2σ Confidence Limit	
Total Fusion Age		212.87832 ± 0.31289 ± 0.15%	522.52 ± 1.21 ± 0.23%	1.1761		
Normal Isochron	581.25 ± 333.25 ± 57.33%	211.35959 ± 1.09120 ± 0.52%	519.28 ± 2.54 ± 0.49%	1.06	57.11	
				38%	9	
				2.07	2σ Confidence Limit	
Inverse Isochron	607.01 ± 268.89 ± 44.30%	211.27524 ± 1.08935 ± 0.52%	519.10 ± 2.53 ± 0.49%	1.0309		
				1	Number of Iterations	
				0.0017607313	Convergence	
Clustered Points				1.06	57.11	
				39%	9	
				2.07	2σ Confidence Limit	
				1.0296		
				1.0000014369	Error Magnification	
				3	Number of Iterations	
				0.0000014369	Convergence	
				1%	Spreading Factor	

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
16D26351	0.8 %	0.0031860	10.08	0.0000000	0.00	0.0000762	78.73	0.0000000	0.00	0.2862617	78.73	0.0005955	10.08	0.0000000	0.00	0.0003935	67.38	0.0000206	79.77	0.0000000	0.00	0.03270	67.38	0.0001934	78.74	2.199	5.57
16D26352	0.9 %	0.0042009	7.71	0.0000000	0.00	0.0000619	97.70	0.0000000	0.00	0.2324833	97.70	0.0007851	7.71	0.0000000	0.00	0.0001109	240.99	0.0000167	98.54	0.0000000	0.00	0.00922	240.99	0.0001571	97.71	3.730	3.30
16D26353	1.0 %	0.0044574	7.22	0.0000000	0.00	0.0000005	#####	0.0000027	154.28	0.0020107	#####	0.0008331	7.22	0.0000000	0.00	0.0001793	152.01	0.0000001	#####	0.0155735	154.29	0.01491	152.01	0.0000014	#####	4.066	3.03
16D26355	1.1 %	0.0048907	6.64	0.0000000	0.00	0.0000453	128.37	0.0000000	0.00	0.1700963	128.37	0.0009141	6.64	0.0000000	0.00	0.0001875	143.27	0.0000122	129.01	0.0000000	0.00	0.01558	143.27	0.0001149	128.38	4.983	2.47
16D26356	1.2 %	0.0048918	6.42	0.0000000	0.00	0.0001317	44.35	0.0000032	139.53	0.4946064	44.35	0.0009143	6.42	0.0000000	0.00	0.0005739	46.96	0.0000355	46.17	0.0179757	139.53	0.04770	46.96	0.0003342	44.37	5.802	2.08
16D26357	1.3 %	0.0073073	4.56	0.0000000	0.00	0.0000099	609.60	0.0000000	0.00	0.0370278	609.60	0.0013657	4.56	0.0000000	0.00	0.0006878	40.46	0.0000027	609.73	0.0000000	0.00	0.05717	40.46	0.0000250	609.60	5.000	2.51
16D26358	1.4 %	0.0058123	5.61	0.0000000	0.00	0.0000518	116.25	0.0000049	87.37	0.1945578	116.25	0.0010863	5.61	0.0000000	0.00	0.0006284	44.44	0.0000140	116.95	0.0276188	87.38	0.05223	44.44	0.0001314	116.25	8.322	1.49
16D26359	1.5 %	0.0057650	5.63	0.0000000	0.00	0.0000694	87.54	0.0000000	0.00	0.2604212	87.54	0.0010775	5.63	0.0000000	0.00	0.0008663	32.17	0.0000187	88.48	0.0000000	0.00	0.07200	32.17	0.0001759	87.55	7.891	1.56
16D26361	1.6 %	0.0098365	3.44	0.0000000	0.00	0.0000076	850.33	0.0000002	1993.23	0.0286320	850.33	0.0018384	3.44	0.0000000	0.00	0.0011036	23.83	0.0000021	850.42	0.0012562	1993.23	0.09173	23.82	0.0000193	850.33	19.054	0.67
16D26362	1.7 %	0.0057486	5.76	0.0000000	0.00	0.0000249	239.35	0.0000000	0.00	0.0933525	239.35	0.0010744	5.76	0.0000000	0.00	0.0006671	41.84	0.0000067	239.69	0.0000000	0.00	0.05545	41.84	0.0000631	239.35	12.776	0.98
16D26363	1.8 %	0.0091079	3.65	0.0000000	0.00	0.0000615	98.99	0.0000000	0.00	0.2310636	98.99	0.0017023	3.65	0.0000000	0.00	0.0014683	18.43	0.0000166	99.82	0.0000000	0.00	0.12205	18.43	0.0001561	99.00	23.710	0.53
16D26364	1.9 %	0.0101453	3.45	0.0000000	0.00	0.0000394	151.44	0.0000000	0.00	0.1477825	151.44	0.0018962	3.45	0.0000000	0.00	0.0015338	17.44	0.0000106	151.98	0.0000000	0.00	0.12748	17.44	0.0000998	151.44	26.511	0.49
16D26366	2.0 %	0.0083435	3.96	0.0000000	0.00	0.0000258	228.02	0.0000000	0.00	0.0967331	228.02	0.0015594	3.96	0.0000000	0.00	0.0008052	32.73	0.0000069	228.38	0.0000000	0.00	0.06693	32.72	0.0000654	228.03	17.125	0.73
16D26367	2.1 %	0.0077297	4.39	0.0000000	0.00	0.0000239	257.48	0.0000011	409.41	0.0898356	257.48	0.0014447	4.39	0.0000000	0.00	0.0018989	13.87	0.0000065	257.80	0.0059849	409.41	0.15783	13.87	0.0000607	257.49	20.204	0.63
16D26368	2.2 %	0.0092857	3.51	0.0000000	0.00	0.0000389	155.19	0.0000015	266.84	0.1459934	155.19	0.0017355	3.51	0.0000000	0.00	0.0018535	14.41	0.0000105	155.72	0.0086463	266.84	0.15406	14.41	0.0000986	155.19	31.634	0.39
16D26369	2.3 %	0.0101545	3.14	0.0000000	0.00	0.0000024	2697.68	0.0000000	0.00	0.0088333	2697.68	0.0018979	3.14	0.0000000	0.00	0.0016887	16.11	0.0000006	2697.71	0.0000000	0.00	0.14036	16.11	0.0000060	2697.68	32.970	0.37
16D26371	2.4 %	0.0117903	3.14	0.0000000	0.00	0.0000196	321.83	0.0000000	0.00	0.0736612	321.83	0.0022036	3.14	0.0000000	0.00	0.0028854	9.24	0.0000053	322.08	0.0000000	0.00	0.23983	9.24	0.0000498	321.83	44.533	0.30
16D26372	2.6 %	0.0121364	2.94	0.0000000	0.00	0.0000374	169.27	0.0000023	187.19	0.1405462	169.27	0.0022683	2.94	0.0000000	0.00	0.0030489	8.78	0.0000101	169.75	0.0127909	187.19	0.25342	8.78	0.0000950	169.27	54.466	0.24
16D26373	2.8 %	0.0184879	2.06	0.0000000	0.00	0.0000047	1352.44	0.0000000	0.00	0.0174802	1352.44	0.0034554	2.06	0.0000000	0.00	0.0051176	5.31	0.0000013	1352.51	0.0000000	0.00	0.42537	5.31	0.0000118	1352.44	87.553	0.16
16D26374	3.0 %	0.0216590	1.86	0.0000000	0.00	0.0000179	351.00	0.0000009	477.74	0.0673389	351.00	0.0040481	1.86	0.0000000	0.00	0.0053272	5.28	0.0000048	351.23	0.0049444	477.74	0.44279	5.28	0.0000455	351.00	91.101	0.16
16D26375	3.2 %	0.0223460	1.76	0.0000000	0.00	0.0000116	513.18	0.0000000	0.00	0.0436305	513.18	0.0041765	1.76	0.0000000	0.00	0.0070584	3.69	0.0000031	513.34	0.0000000	0.00	0.58668	3.69	0.0000295	513.18	123.693	0.11
16D26377	3.4 %	0.0205078	1.94	0.0000000	0.00	0.0000035	1717.91	0.0000000	0.00	0.0130872	1717.91	0.0038329	1.94	0.0000000	0.00	0.0079310	3.63	0.0000009	1717.96	0.0000000	0.00	0.65921	3.62	0.0000088	1717.91	142.412	0.10
16D26378	3.7 %	0.0305216	1.39	0.0000000	0.00	0.0000269	226.49	0.0000025	170.99	0.1010860	226.49	0.0057045	1.39	0.0000000	0.00	0.0115034	2.48	0.0000073	226.85	0.0139253	170.99	0.95614	2.47	0.0000683	226.49	210.544	0.07
16D26379	4.0 %	0.0368641	1.18	0.0000000	0.00	0.0000153	385.03	0.0000000	0.00	0.0574868	385.03	0.0068899	1.18	0.0000000	0.00	0.0140541	1.80	0.0000041	385.24	0.0000000	0.00	1.16816	1.79	0.0000388	385.03	251.739	0.06
16D26380	4.3 %	0.0314668	1.33	0.0000000	0.00	0.0000061	1000.06	0.0000000	0.00	0.0227279	1000.06	0.0058811	1.33	0.0000000	0.00	0.0167107	1.66	0.0000016	1000.14	0.0000000	0.00	1.38897	1.65	0.0000154	1000.06	313.953	0.05
16D26381	4.7 %	0.0327772	1.36	0.0000000	0.00	0.0000063	906.71	0.0000036	112.70	0.0237734	906.71	0.0061261	1.36	0.0000000	0.00	0.0250353	1.11	0.0000017	906.80	0.0205450	112.70	2.08090	1.09	0.0000161	906.71	446.960	0.03
16D26383	5.0 %	0.0362902	1.25	0.0000000	0.00	0.0000176	343.50	0.0000017	246.77	0.0660328	343.50	0.0067826	1.25	0.0000000	0.00	0.0234857	1.18	0.0000047	343.74	0.0098963	246.77	1.95210	1.17	0.0000446	343.50	431.360	0.04
16D26384	5.3 %	0.0379390	1.18	0.0000000	0.00	0.0000347	177.38	0.0000000	0.00	0.1304479	177.38	0.0070908	1.18	0.0000000	0.00	0.0312413	0.86	0.0000094	177.84	0.0000000	0.00	2.59673	0.85	0.0000881	177.39	556.041	0.03
16D26385	5.7 %	0.0465631	1.01	0.0000000	0.00	0.0000008	7884.71	0.0000000	0.00	0.0028346	7884.71	0.0087026	1.01	0.0000000	0.00	0.0441905	0.66	0.0000002	7884.73	0.0000000	0.00	3.67305	0.64	0.0000019	7884.71	788.069	0.02
16D26386	6.0 %	0.0494259	1.00	0.0000000	0.00	0.0000455	127.09	0.0000012	347.98	0.1708386	127.09	0.0092377	1.00	0.0000000	0.00	0.0490867	0.57	0.0000123	127.73	0.0069348	347.98	4.08002	0.55	0.0001154	127.09	883.229	0.02
16D26388	6.4 %	0.0379409	1.21	0.0000000	0.00	0.0000140	419.46	0.0000041	108.30	0.0524375	419.46	0.0070912	1.21	0.0000000	0.00	0.0452542	0.63	0.0000038	419.66	0.0230569	108.30	3.76146	0.61	0.0000354	419.47	801.682	0.02
16D26389	6.8 %	0.0448163	1.10	0.0000000	0.00	0.0000836	72.23	0.0000000	0.00	0.3140551	72.23	0.0083762	1.10	0.0000000	0.00	0.0667705	0.42	0.0000225	73.36	0.0000000	0.00	5.54987	0.39	0.0002122	72.24	1194.765	0.01
16D26390	7.2 %	0.0460430	1.09	0.0000000	0.00	0.0000079	746.20	0.0000029	145.94	0.0295704	746.20	0.0086054	1.09	0.0000000	0.00	0.0706239	0.44	0.0000021	746.31	0.0167362	145.94	5.87016	0.41	0.0000200	746.20	1264.164	0.01
16D26391	7.6 %	0.0592216	0.94	0.0000000	0.00	0.0000670	85.54	0.0000010	452.41	0.2515024	85.54	0.0110685	0.94	0.0000000	0.00	0.0951237	0.34	0.0000181	86.50	0.0055958	452.41	7.90655	0.29	0.0001699	85.55	1691.392	0.01
16D26392	8.0 %	0.0433989	1.20	0.0000000	0.00	0.0000039	1488.39	0.0000056	75.59	0.0147701	1488.39	0.0081113	1.20	0.0000000	0.00	0.0966234	0.33	0.0000011	1488.45	0.0316237	75.60	8.03120	0.29	0.0000100	1488.39	1725.956	0.01
16D26394	8.5 %	0.0605665	0.96	0.0000000	0.00	0.0000042	1362.85	0.0000068	60.08	0.0159366	1362.85	0.0113199	0.96	0.0000000	0.00	0.1239092	0.29	0.0000011	1362.91	0.0388365	60.09	10.29916	0.24	0.0000108	1362.85	2206.872	0.01
16D26395	9.0 %	0.0516373	1.10	0.0000000	0.00	0.00																					

Σ	1.3027344	0.23	0.0000000	0.00	0.0004872	85.00	0.0001450	15.52	1.8293719	85.00	0.2434811	0.23	0.0000000	0.00	2.6085871	0.08	0.0001313	85.35	0.8232898	15.53	216.82214	0.07	0.0012359	85.00	46156.733	0.00
Σ							1.3033666	0.24	1.8293719	85.00									3.6754893	3.48			216.82337	0.07		

40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
0.94145	10.08	0.0000000	0.00	0.0001250	67.43
1.24137	7.71	0.0000000	0.00	0.0000353	241.00
1.31716	7.22	0.0000000	0.00	0.0000570	152.03
1.44519	6.64	0.0000000	0.00	0.0000596	143.29
1.44553	6.42	0.0000000	0.00	0.0001824	47.04
2.15929	4.56	0.0000000	0.00	0.0002186	40.55
1.71754	5.61	0.0000000	0.00	0.0001997	44.52
1.70355	5.63	0.0000000	0.00	0.0002753	32.28
2.90669	3.44	0.0000000	0.00	0.0003507	23.97
1.69872	5.76	0.0000000	0.00	0.0002120	41.92
2.69139	3.65	0.0000000	0.00	0.0004666	18.62
2.99795	3.45	0.0000000	0.00	0.0004874	17.64
2.46550	3.96	0.0000000	0.00	0.0002559	32.83
2.28412	4.39	0.0000000	0.00	0.0006034	14.12
2.74394	3.51	0.0000000	0.00	0.0005890	14.65
3.00066	3.14	0.0000000	0.00	0.0005366	16.33
3.48404	3.14	0.0000000	0.00	0.0009169	9.62
3.58631	2.94	0.0000000	0.00	0.0009688	9.17
5.46316	2.06	0.0000000	0.00	0.0016262	5.94
6.40023	1.86	0.0000000	0.00	0.0016928	5.91
6.60325	1.76	0.0000000	0.00	0.0022429	4.55
6.06004	1.94	0.0000000	0.00	0.0025202	4.49
9.01915	1.39	0.0000000	0.00	0.0036553	3.63
10.89334	1.18	0.0000000	0.00	0.0044659	3.21
9.29843	1.33	0.0000000	0.00	0.0053100	3.13
9.68567	1.36	0.0000000	0.00	0.0079553	2.88
10.72377	1.25	0.0000000	0.00	0.0074629	2.91
11.21098	1.18	0.0000000	0.00	0.0099273	2.79
13.75940	1.01	0.0000000	0.00	0.0140421	2.74
14.60535	1.00	0.0000000	0.00	0.0155979	2.72
11.21153	1.21	0.0000000	0.00	0.0143801	2.73
13.24320	1.10	0.0000000	0.00	0.0212172	2.69
13.60570	1.09	0.0000000	0.00	0.0224416	2.69
17.49999	0.94	0.0000000	0.00	0.0302267	2.68
12.82437	1.20	0.0000000	0.00	0.0307033	2.68
17.89741	0.96	0.0000000	0.00	0.0393737	2.67
15.25882	1.10	0.0000000	0.00	0.0456183	2.67
13.50252	1.26	0.0000000	0.00	0.0397032	2.67
22.50934	0.81	0.0000000	0.00	0.0622634	2.66
11.51430	1.36	0.0000000	0.00	0.0508715	2.67
11.75307	1.40	0.0000000	0.00	0.0523473	2.67
12.93646	1.33	0.0000000	0.00	0.0576263	2.67
11.71522	1.34	0.0000000	0.00	0.0498811	2.67
12.01323	1.40	0.0000000	0.00	0.0593615	2.67
8.15500	1.79	0.0000000	0.00	0.0432040	2.67
11.32661	1.44	0.0000000	0.00	0.0581531	2.67
14.43806	1.17	0.0000000	0.00	0.0685002	2.66

384.95802	0.23	0.0000000	0.00	0.8289110	0.63
				46542.520	0.00

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D26351	0.8 %	95.472837	63.990132	8.701650	8.994499	0.099163	0.067107	108.226	8.500644	1.00076481	1.508E-13
16D26352	0.9 %	530.037957	1255.942182	24.788344	63.532659	0.454518	1.077507	108.232	8.501693	1.00076486	2.386E-13
16D26353	1.0 %	361.172183	549.084538	0.134909	14.449139	0.299217	0.455370	108.238	8.502626	1.00076490	2.584E-13
16D26355	1.1 %	409.521402	582.417449	10.836974	20.761762	0.314475	0.447690	108.249	8.504609	1.00076498	3.085E-13
16D26356	1.2 %	150.895260	70.384500	10.297180	6.626807	0.104650	0.049221	108.256	8.505659	1.00076503	3.479E-13
16D26357	1.3 %	125.164187	50.635596	0.647372	3.955038	0.127928	0.052051	108.261	8.506592	1.00076506	3.436E-13
16D26358	1.4 %	191.733393	84.995558	3.715526	4.622513	0.112082	0.050054	108.267	8.507643	1.00076511	4.819E-13
16D26359	1.5 %	132.938092	42.668788	3.608057	3.364032	0.080833	0.026310	108.273	8.508576	1.00076515	4.606E-13
16D26361	1.6 %	239.365841	57.021590	0.312078	2.654720	0.107300	0.025813	108.285	8.510677	1.00076524	1.054E-12
16D26362	1.7 %	261.328701	109.461875	1.685384	4.095243	0.103337	0.043678	108.291	8.511611	1.00076528	6.948E-13
16D26363	1.8 %	216.052543	39.775689	1.890834	1.903831	0.075035	0.014069	108.297	8.512662	1.00076532	1.267E-12
16D26364	1.9 %	231.657727	40.428473	1.160127	1.768502	0.079334	0.014107	108.303	8.513596	1.00076536	1.416E-12
16D26366	2.0 %	293.010344	95.985411	1.446804	3.332928	0.124405	0.041040	108.315	8.515582	1.00076544	9.404E-13
16D26367	2.1 %	142.536922	19.783680	0.569397	1.468228	0.048847	0.007101	108.321	8.516633	1.00076549	1.079E-12
16D26368	2.2 %	223.003206	32.111382	0.947028	1.475996	0.060497	0.008955	108.326	8.517568	1.00076553	1.650E-12
16D26369	2.3 %	256.288167	41.293814	0.062936	1.697851	0.072333	0.011864	108.333	8.518619	1.00076557	1.727E-12
16D26371	2.4 %	200.259241	18.512672	0.307204	0.989081	0.049090	0.004785	108.344	8.520606	1.00076565	2.305E-12
16D26372	2.6 %	228.990485	20.090205	0.554381	0.939657	0.048028	0.004435	108.351	8.521658	1.00076570	2.787E-12
16D26373	2.8 %	218.668737	11.614495	0.041093	0.555760	0.043473	0.002471	108.356	8.522593	1.00076574	4.465E-12
16D26374	3.0 %	220.181617	11.616278	0.152065	0.533803	0.048953	0.002734	108.363	8.523645	1.00076578	4.680E-12
16D26375	3.2 %	222.082471	8.194822	0.074365	0.381635	0.038107	0.001555	108.368	8.524581	1.00076582	6.254E-12
16D26377	3.4 %	225.227340	8.160153	0.019853	0.341049	0.031114	0.001275	108.380	8.526569	1.00076590	7.127E-12
16D26378	3.7 %	229.620960	5.675505	0.105715	0.239449	0.031950	0.000903	108.386	8.527621	1.00076595	1.054E-11
16D26379	4.0 %	224.837530	4.031849	0.049213	0.189486	0.031545	0.000675	108.392	8.528557	1.00076599	1.261E-11
16D26380	4.3 %	232.733586	3.839739	0.016363	0.163643	0.022651	0.000478	108.398	8.529610	1.00076603	1.552E-11
16D26381	4.7 %	219.452075	2.400897	0.011425	0.103589	0.015750	0.000273	108.403	8.530546	1.00076607	2.192E-11
16D26383	5.0 %	226.474579	2.646172	0.033827	0.116198	0.018583	0.000316	108.415	8.532535	1.00076615	2.122E-11
16D26384	5.3 %	218.459532	1.855659	0.050237	0.089112	0.014597	0.000211	108.422	8.533589	1.00076620	2.723E-11
16D26385	5.7 %	218.304014	1.392054	0.000772	0.060848	0.012677	0.000150	108.428	8.534642	1.00076624	3.849E-11
16D26386	6.0 %	220.053968	1.200093	0.041871	0.053212	0.012125	0.000137	108.433	8.535579	1.00076628	4.310E-11
16D26388	6.4 %	216.116830	1.322401	0.013941	0.058477	0.010084	0.000136	108.445	8.537570	1.00076636	3.902E-11
16D26389	6.8 %	217.676251	0.856031	0.056590	0.040876	0.008060	0.000094	108.451	8.538624	1.00076641	5.799E-11
16D26390	7.2 %	217.676703	0.889160	0.005037	0.037589	0.007843	0.000091	108.457	8.539561	1.00076645	6.133E-11
16D26391	7.6 %	216.144644	0.637296	0.031810	0.027212	0.007482	0.000074	108.463	8.540615	1.00076649	8.203E-11
16D26392	8.0 %	216.506589	0.634310	0.001839	0.027373	0.005405	0.000066	108.469	8.541552	1.00076653	8.346E-11
16D26394	8.5 %	216.018284	0.510821	0.001547	0.021088	0.005882	0.000058	108.481	8.543544	1.00076661	1.068E-10
16D26395	9.0 %	215.312953	0.442627	0.025243	0.019472	0.004321	0.000048	108.487	8.544599	1.00076666	1.233E-10
16D26396	9.5 %	✓ 214.714464	0.485086	0.006368	0.022586	0.004398	0.000056	108.493	8.545654	1.00076670	1.070E-10
16D26397	10.0 %	✓ 213.932285	0.325713	0.001809	0.013640	0.004678	0.000038	108.499	8.546592	1.00076674	1.672E-10
16D26399	10.5 %	✓ 212.942053	0.385248	0.012933	0.016558	0.002932	0.000040	108.510	8.548585	1.00076683	1.360E-10
16D26400	11.0 %	✓ 213.215903	0.382834	0.001342	0.016775	0.002905	0.000041	108.517	8.549640	1.00076687	1.401E-10
16D26401	11.5 %	✓ 212.885767	0.366395	0.007358	0.015377	0.002907	0.000039	108.522	8.550578	1.00076691	1.540E-10
16D26402	12.0 %	✓ 212.594085	0.404691	0.009342	0.017739	0.003042	0.000041	108.528	8.551634	1.00076695	1.331E-10
16D26404	12.5 %	✓ 212.578152	0.367318	0.007296	0.015032	0.002621	0.000037	108.540	8.553628	1.00076704	1.584E-10
16D26405	13.0 %	✓ 213.237069	0.451110	0.014547	0.020095	0.002446	0.000044	108.546	8.554567	1.00076708	1.157E-10
16D26406	13.5 %	✓ 213.073743	0.353304	0.024257	0.015403	0.002527	0.000036	108.552	8.555623	1.00076712	1.556E-10
16D26408	14.0 %	211.795747	0.306971	0.004153	0.012747	0.002726	0.000032	108.564	8.557618	1.00076720	1.822E-10

Procedure Blanks		36Ar [fA]	1σ	37Ar [fA]	1σ	38Ar [fA]	1σ	39Ar [fA]	1σ	40Ar [fA]	1σ
16D26351	0.8 %	0.0026934	0.0002428	0.0239845	0.0183980	0.0432396	0.0172054	0.0017614	0.0159532	0.8494960	0.0755819
16D26352	0.9 %	0.0026607	0.0002428	0.0238277	0.0183980	0.0449592	0.0172054	0.0008700	0.0159532	0.8508868	0.0755819
16D26353	1.0 %	0.0026353	0.0002428	0.0235031	0.0183980	0.0463441	0.0172054	0.0000442	0.0159532	0.8509784	0.0755819
16D26355	1.1 %	0.0025924	0.0002428	0.0223202	0.0183980	0.0488746	0.0172054	0.0017913	0.0159532	0.8481977	0.0755819
16D26356	1.2 %	0.0025753	0.0002428	0.0214675	0.0183980	0.0500063	0.0172054	0.0027945	0.0159532	0.8454022	0.0755819
16D26357	1.3 %	0.0025632	0.0002428	0.0206027	0.0183980	0.0509021	0.0172054	0.0036974	0.0159532	0.8423218	0.0755819
16D26358	1.4 %	0.0025529	0.0002428	0.0195297	0.0183980	0.0517947	0.0172054	0.0047196	0.0159532	0.8383269	0.0755819
16D26359	1.5 %	0.0025466	0.0002428	0.0185034	0.0183980	0.0524929	0.0172054	0.0056290	0.0159532	0.8344201	0.0755819
16D26361	1.6 %	0.0025410	0.0002428	0.0160182	0.0183980	0.0537691	0.0172054	0.0076549	0.0159532	0.8249228	0.0755819
16D26362	1.7 %	0.0025422	0.0002428	0.0148651	0.0183980	0.0542187	0.0172054	0.0085367	0.0159532	0.8205961	0.0755819
16D26363	1.8 %	0.0025459	0.0002428	0.0135531	0.0183980	0.0546478	0.0172054	0.0095080	0.0159532	0.8157975	0.0755819
16D26364	1.9 %	0.0025512	0.0002428	0.0123860	0.0183980	0.0549667	0.0172054	0.0103488	0.0159532	0.8116792	0.0755819
16D26366	2.0 %	0.0025682	0.0002428	0.0099502	0.0183980	0.0554717	0.0172054	0.0120476	0.0159532	0.8037229	0.0755819
16D26367	2.1 %	0.0025800	0.0002428	0.0087090	0.0183980	0.0556559	0.0172054	0.0128896	0.0159532	0.8001161	0.0755819
16D26368	2.2 %	0.0025919	0.0002428	0.0076462	0.0183980	0.0557777	0.0172054	0.0135997	0.0159532	0.7973499	0.0755819
16D26369	2.3 %	0.0026067	0.0002428	0.0065055	0.0183980	0.0558725	0.0172054	0.0143513	0.0159532	0.7947999	0.0755819
16D26371	2.4 %	0.0026383	0.0002428	0.0045411	0.0183980	0.0559472	0.0172054	0.0156198	0.0159532	0.7918291	0.0755819
16D26372	2.6 %	0.0026566	0.0002428	0.0036163	0.0183980	0.0559403	0.0172054	0.0162039	0.0159532	0.7913372	0.0755819
16D26373	2.8 %	0.0026736	0.0002428	0.0028679	0.0183980	0.0559114	0.0172054	0.0166682	0.0159532	0.7915771	0.0755819
16D26374	3.0 %	0.0026934	0.0002428	0.0021135	0.0183980	0.0558568	0.0172054	0.0171256	0.0159532	0.7926423	0.0755819
16D26375	3.2 %	0.0027115	0.0002428	0.0015239	0.0183980	0.0557912	0.0172054	0.0174719	0.0159532	0.7943191	0.0755819
16D26377	3.4 %	0.0027507	0.0002428	0.0005327	0.0183980	0.0556080	0.0172054	0.0180089	0.0159532	0.8002314	0.0755819
16D26378	3.7 %	0.0027717	0.0002428	0.0001547	0.0183980	0.0554912	0.0172054	0.0181785	0.0159532	0.8046754	0.0755819
16D26379	4.0 %	0.0027903	0.0002428	0.0000961	0.0183980	0.0553780	0.0172054	0.0182599	0.0159532	0.8093918	0.0755819
16D26380	4.3 %	0.0028110	0.0002428	0.0002834	0.0183980	0.0552415	0.0172054	0.0182711	0.0159532	0.8155533	0.0755819
16D26381	4.7 %	0.0028291	0.0002428	0.0003674	0.0183980	0.0551128	0.0172054	0.0182080	0.0159532	0.8217796	0.0755819
16D26383	5.0 %	0.0028661	0.0002428	0.0003003	0.0183980	0.0548187	0.0172054	0.0178390	0.0159532	0.8372755	0.0755819
16D26384	5.3 %	0.0028846	0.0002428	0.0001385	0.0183980	0.0546520	0.0172054	0.0175111	0.0159532	0.8466670	0.0755819
16D26385	5.7 %	0.0029022	0.0002428	0.0001025	0.0183980	0.0544773	0.0172054	0.0170896	0.0159532	0.8568268	0.0755819
16D26386	6.0 %	0.0029168	0.0002428	0.0003771	0.0183980	0.0543149	0.0172054	0.0166352	0.0159532	0.8664614	0.0755819
16D26388	6.4 %	0.0029447	0.0002428	0.0011194	0.0183980	0.0539431	0.0172054	0.0154175	0.0159532	0.8886220	0.0755819
16D26389	6.8 %	0.0029573	0.0002428	0.0015810	0.0183980	0.0537286	0.0172054	0.0146325	0.0159532	0.9011565	0.0755819
16D26390	7.2 %	0.0029672	0.0002428	0.0020190	0.0183980	0.0535256	0.0172054	0.0138526	0.0159532	0.9126817	0.0755819
16D26391	7.6 %	0.0029766	0.0002428	0.0025311	0.0183980	0.0532807	0.0172054	0.0128826	0.0159532	0.9259988	0.0755819
16D26392	8.0 %	0.0029833	0.0002428	0.0029925	0.0183980	0.0530463	0.0172054	0.0119380	0.0159532	0.9380747	0.0755819
16D26394	8.5 %	0.0029923	0.0002428	0.0039419	0.0183980	0.0524844	0.0172054	0.0096734	0.0159532	0.9641366	0.0755819
16D26395	9.0 %	0.0029938	0.0002428	0.0043971	0.0183980	0.0521448	0.0172054	0.0083335	0.0159532	0.9779484	0.0755819
16D26396	9.5 %	0.0029928	0.0002428	0.0047962	0.0183980	0.0517704	0.0172054	0.0068968	0.0159532	0.9916111	0.0755819
16D26397	10.0 %	0.0029899	0.0002428	0.0050882	0.0183980	0.0514046	0.0172054	0.0055392	0.0159532	1.0035240	0.0755819
16D26399	10.5 %	0.0029765	0.0002428	0.0054442	0.0183980	0.0505067	0.0172054	0.0024061	0.0159532	1.0276480	0.0755819
16D26400	11.0 %	0.0029653	0.0002428	0.0054471	0.0183980	0.0499546	0.0172054	0.0006131	0.0159532	1.0394904	0.0755819
16D26401	11.5 %	0.0029528	0.0002428	0.0053171	0.0183980	0.0494126	0.0172054	0.0010571	0.0159532	1.0493083	0.0755819
16D26402	12.0 %	0.0029358	0.0002428	0.0049994	0.0183980	0.0487393	0.0172054	0.0030203	0.0159532	1.0594028	0.0755819
16D26404	12.5 %	0.0028948	0.0002428	0.0038144	0.0183980	0.0472595	0.0172054	0.0069652	0.0159532	1.0751126	0.0755819
16D26405	13.0 %	0.0028712	0.0002428	0.0029498	0.0183980	0.0464573	0.0172054	0.0089251	0.0159532	1.0806955	0.0755819
16D26406	13.5 %	0.0028414	0.0002428	0.0017081	0.0183980	0.0454642	0.0172054	0.0112062	0.0159532	1.0853582	0.0755819
16D26408	14.0 %	0.0027748	0.0002428	0.0015179	0.0183980	0.0432975	0.0172054	0.0157255	0.0159532	1.0887793	0.0755819

Intercept Values		36Ar [fA]	1σ	r2		37Ar [fA]	1σ	r2		38Ar [fA]	1σ	r2		39Ar [fA]	1σ	r2		40Ar [fA]	1σ	r2	
16D26351	0.8 %	0.0058063	0.0001779	0.9166	EXP 149 of 150	0.0089006	0.0182152	0.0013	EXP 150 of 150	0.0442768	0.0165819	0.0051	EXP 150 of 150	0.03438	0.01492	0.0804	EXP 150 of 150	3.990	0.017	0.9996	EXP 150 of 150
16D26352	0.9 %	0.0067285	0.0001819	0.9101	EXP 150 of 150	0.0028761	0.0184984	0.0014	EXP 150 of 150	0.0596839	0.0161925	0.0134	EXP 150 of 150	0.01017	0.01520	0.1986	EXP 150 of 150	5.822	0.017	0.9995	EXP 150 of 150
16D26353	1.0 %	0.0068909	0.0001797	0.9150	EXP 150 of 150	0.0237340	0.0165269	0.0007	EXP 150 of 150	0.0300181	0.0162240	0.0010	EXP 150 of 150	0.01482	0.01581	0.1086	EXP 150 of 150	6.234	0.019	0.9994	EXP 150 of 150
16D26355	1.1 %	0.0073025	0.0001841	0.9018	EXP 150 of 150	0.0027890	0.0170332	0.0143	EXP 150 of 150	0.0724134	0.0163522	0.0184	EXP 150 of 150	0.01377	0.01534	0.1571	EXP 150 of 150	7.276	0.017	0.9995	EXP 150 of 150
16D26356	1.2 %	0.0073720	0.0001658	0.9172	EXP 150 of 150	0.0353182	0.0171980	0.0144	EXP 148 of 150	0.0308124	0.0177008	0.0098	EXP 149 of 150	0.04483	0.01545	0.1100	EXP 150 of 150	8.093	0.017	0.9994	EXP 150 of 150
16D26357	1.3 %	0.0095456	0.0001959	0.8819	EXP 150 of 150	0.0163520	0.0182470	0.0008	EXP 150 of 150	0.0575899	0.0188876	0.0001	EXP 150 of 150	0.05301	0.01647	0.0579	EXP 150 of 150	8.001	0.018	0.9994	EXP 150 of 150
16D26358	1.4 %	0.0081534	0.0001854	0.8986	EXP 150 of 150	0.0028022	0.0183152	0.0000	EXP 150 of 150	0.0229069	0.0163715	0.0086	EXP 150 of 150	0.04719	0.01658	0.0824	EXP 150 of 150	10.878	0.017	0.9994	EXP 150 of 150
16D26359	1.5 %	0.0081140	0.0001830	0.8954	EXP 150 of 150	0.0113853	0.0186040	0.0083	EXP 150 of 150	0.0514373	0.0150246	0.0012	EXP 150 of 150	0.06593	0.01651	0.0286	EXP 150 of 150	10.430	0.017	0.9994	EXP 150 of 150
16D26361	1.6 %	0.0119350	0.0002019	0.8755	EXP 150 of 150	0.0127329	0.0210219	0.0025	EXP 150 of 150	0.0496346	0.0176431	0.0001	EXP 150 of 150	0.08330	0.01466	0.1133	EXP 149 of 150	22.786	0.019	0.9990	EXP 150 of 150
16D26362	1.7 %	0.0080041	0.0001932	0.8960	EXP 150 of 150	0.0255754	0.0178512	0.0043	EXP 150 of 150	0.0708752	0.0181444	0.0030	EXP 149 of 150	0.04638	0.01657	0.0720	EXP 150 of 150	15.295	0.020	0.9990	EXP 150 of 150
16D26363	1.8 %	0.0112959	0.0001946	0.8840	EXP 150 of 150	0.0129534	0.0187079	0.0020	EXP 150 of 150	0.0573505	0.0179636	0.0003	EXP 150 of 150	0.11165	0.01558	0.0647	EXP 150 of 150	27.218	0.020	0.9987	EXP 150 of 150
16D26364	1.9 %	0.0121949	0.0002211	0.8378	EXP 149 of 150	0.0293370	0.0179020	0.0056	EXP 150 of 150	0.0667072	0.0193864	0.0004	EXP 150 of 150	0.11594	0.01520	0.0865	EXP 150 of 150	30.321	0.019	0.9987	EXP 150 of 150
16D26366	2.0 %	0.0105054	0.0001921	0.8773	EXP 150 of 150	0.0210432	0.0173589	0.0198	EXP 150 of 150	0.0642309	0.0158775	0.0016	EXP 150 of 150	0.05424	0.01473	0.1313	EXP 150 of 150	20.394	0.017	0.9991	EXP 150 of 150
16D26367	2.1 %	0.0099342	0.0002055	0.8647	EXP 150 of 150	0.0190097	0.0191039	0.0019	EXP 150 of 150	0.0464799	0.0168989	0.0100	EXP 150 of 150	0.14353	0.01472	0.0007	EXP 150 of 150	23.289	0.017	0.9990	EXP 150 of 150
16D26368	2.2 %	0.0114914	0.0001847	0.8829	EXP 150 of 150	0.0090919	0.0183369	0.0014	EXP 150 of 150	0.0437237	0.0148194	0.0029	EXP 150 of 150	0.13924	0.01516	0.0633	EXP 150 of 150	35.175	0.019	0.9986	EXP 150 of 150
16D26369	2.3 %	0.0122944	0.0001703	0.9034	EXP 150 of 150	0.0075181	0.0201922	0.0007	EXP 150 of 150	0.0780307	0.0160506	0.0171	EXP 150 of 150	0.12480	0.01575	0.0849	EXP 150 of 150	36.765	0.020	0.9983	EXP 150 of 150
16D26371	2.4 %	0.0138705	0.0002470	0.8038	EXP 150 of 150	0.0129833	0.0199923	0.0002	EXP 150 of 150	0.0560777	0.0157258	0.0005	EXP 150 of 150	0.22210	0.01511	0.0262	EXP 149 of 150	48.810	0.022	0.9972	EXP 150 of 150
16D26372	2.6 %	0.0142757	0.0002281	0.8414	EXP 150 of 150	0.0124895	0.0201181	0.0004	EXP 150 of 150	0.0381059	0.0161025	0.0009	EXP 150 of 150	0.23514	0.01522	0.0571	EXP 150 of 150	58.845	0.021	0.9967	EXP 150 of 150
16D26373	2.8 %	0.0203201	0.0002582	0.7892	EXP 150 of 150	0.0008650	0.0198818	0.0010	EXP 150 of 150	0.0611274	0.0164719	0.0042	EXP 149 of 150	0.40507	0.01572	0.0300	EXP 150 of 150	93.810	0.022	0.9893	EXP 150 of 150
16D26374	3.0 %	0.0233795	0.0002867	0.7335	EXP 150 of 150	0.0056013	0.0198691	0.0027	EXP 150 of 150	0.0417568	0.0156354	0.0011	EXP 150 of 150	0.42191	0.01679	0.0105	EXP 150 of 150	98.296	0.023	0.9853	EXP 150 of 150
16D26375	3.2 %	0.0240463	0.0002750	0.7455	EXP 150 of 150	0.0034742	0.0178717	0.0006	EXP 150 of 150	0.0569744	0.0182958	0.0029	EXP 150 of 150	0.56421	0.01435	0.0184	EXP 150 of 150	131.092	0.027	0.7535	EXP 150 of 150
16D26377	3.4 %	0.0223236	0.0002811	0.7772	EXP 150 of 150	0.0009661	0.0180146	0.0010	EXP 150 of 150	0.0815020	0.0174776	0.0257	EXP 150 of 150	0.63556	0.01749	0.0174	EXP 150 of 150	149.275	0.024	0.7837	EXP 150 of 150
16D26378	3.7 %	0.0319250	0.0003067	0.7271	EXP 150 of 150	0.0114211	0.0186789	0.0039	EXP 150 of 150	0.0248386	0.0159113	0.0142	EXP 150 of 150	0.92983	0.01715	0.0027	EXP 150 of 150	220.371	0.028	0.9939	EXP 150 of 150
16D26379	4.0 %	0.0379533	0.0003182	0.7233	EXP 150 of 150	0.0064862	0.0174305	0.0012	EXP 150 of 150	0.0377329	0.0179185	0.0021	EXP 150 of 150	1.13984	0.01327	0.0055	EXP 149 of 150	263.446	0.028	0.9973	EXP 150 of 150
16D26380	4.3 %	0.0328324	0.0003004	0.7838	EXP 150 of 150	0.0023187	0.0184029	0.0016	EXP 150 of 150	0.0404660	0.0152306	0.0000	EXP 150 of 150	1.35877	0.01615	0.0201	EXP 150 of 150	324.073	0.033	0.9982	EXP 150 of 150
16D26381	4.7 %	0.0341042	0.0003340	0.8297	EXP 150 of 150	0.0023540	0.0164440	0.0009	EXP 150 of 150	0.0042181	0.0149414	0.0037	EXP 150 of 150	2.04483	0.01591	0.0992	EXP 150 of 150	457.476	0.036	0.9993	EXP 150 of 150
16D26383	5.0 %	0.0374810	0.0003396	0.7901	EXP 150 of 150	0.0072571	0.0183143	0.0053	EXP 150 of 150	0.0152878	0.0167833	0.0051	EXP 150 of 150	1.91747	0.01597	0.0318	EXP 150 of 150	442.928	0.032	0.9994	EXP 150 of 150
16D26384	5.3 %	0.0390548	0.0003330	0.8587	EXP 150 of 150	0.0147892	0.0190432	0.0031	EXP 150 of 150	0.0331578	0.0176186	0.0151	EXP 150 of 150	2.55686	0.01486	0.2494	EXP 150 of 150	568.108	0.036	0.9996	EXP 150 of 150
16D26385	5.7 %	0.0473358	0.0003521	0.8852	EXP 150 of 150	0.0002218	0.0177618	0.0045	EXP 150 of 150	0.0069387	0.0166427	0.0049	EXP 150 of 150	3.62446	0.01670	0.3825	EXP 150 of 150	802.699	0.047	0.9997	EXP 150 of 150
16D26386	6.0 %	0.0501261	0.0003777	0.8846	EXP 150 of 150	0.0191681	0.0166881	0.0107	EXP 150 of 150	0.0099342	0.0163730	0.0014	EXP 150 of 150	4.02850	0.01500	0.3709	EXP 150 of 150	898.716	0.050	0.9998	EXP 150 of 150
16D26388	6.4 %	0.0391404	0.0003478	0.8909	EXP 149 of 150	0.0071172	0.0171603	0.0157	EXP 150 of 150	0.0202743	0.0175472	0.0062	EXP 150 of 150	3.71374	0.01613	0.3991	EXP 150 of 150	813.796	0.052	0.9997	EXP 150 of 150
16D26389	6.8 %	0.0456435	0.0003832	0.9290	EXP 150 of 150	0.0374985	0.0182912	0.0336	EXP 150 of 150	0.0180634	0.0169343	0.0132	EXP 150 of 150	5.48742	0.01417	0.6755	EXP 150 of 150	1208.930	0.058	0.9998	EXP 150 of 150
16D26390	7.2 %	0.0468990	0.0003910	0.9361	EXP 149 of 150	0.0054005	0.0172685	0.0001	EXP 150 of 150	0.0409347	0.0167880	0.0000	EXP 150 of 150	5.80593	0.01721	0.5629	EXP 150 of 150	1278.705	0.056	0.9999	EXP 150 of 150
16D26391	7.6 %	0.0594259	0.0004466	0.9434	EXP 150 of 150	0.0312878	0.0163294	0.0598	EXP 150 of 150	0.0567385	0.0180215	0.0110	EXP 150 of 150	7.82568	0.01593	0.7981	EXP 150 of 150	1709.848	0.060	0.9999	EXP 150 of 150
16D26392	8.0 %	0.0444058	0.0004160	0.9576	EXP 150 of 150	0.0013038	0.0171231	0.0058	EXP 149 of 150	0.0811772	0.0160447	0.0003	EXP 150 of 150	7.95038	0.01621	0.8094	EXP 150 of 150	1739.749	0.065	0.9999	EXP 150 of 150
16D26394	8.5 %	0.0607985	0.0004686	0.9570	EXP 150 of 150	0.0021203	0.0166675	0.0030	EXP 150 of 150	0.1188556	0.0152044	0.0005	EXP 149 of 150	10.20114	0.01687	0.8705	EXP 149 of 150	2225.773	0.077	0.9999	EXP 150 of 150
16D26395	9.0 %	0.0521964	0.0004622	0.9709	EXP 150 of 150	0.0388215	0.0191473	0.0460	EXP 150 of 150	0.1236889	0.0162645	0.0045	EXP 150 of 150	11.82170	0.01667	0.9030	EXP 149 of 150	2570.178	0.082	0.9999	EXP 150 of 150
16D26396	9.5 %	0.0465824	0.0004735	0.9652	EXP 150 of 150	0.0123530	0.0194921	0.0063	EXP 150 of 150	0.0972554	0.0151877	0.0058	EXP 150 of 150	10.28932	0.01555	0.8837	EXP 150 of 150	2230.866	0.075	0.9999	EXP 150 of 150
16D26397	10.0 %	0.0756981	0.0004967	0.9808	EXP 150 of 150	0.0017214	0.0174876	0.0200	EXP 150 of 150	0.2246834	0.0166360	0.0019	EXP 150 of 150	16.14129	0.01549	0.9554	EXP 150 of 150	3485.221	0.102	0.9999	EXP 150 of 150
16D26399	10.5 %	0.0402118	0.0004261	0.9811	EXP 150 of 150	0.0142148	0.0171765	0.0003	EXP 150 of 150	0.1652187	0.0172221	0.0000	EXP 150 of 150	13.19024	0.01555	0.9293	EXP 150 of 150	2834.606	0.081	0.9999	EXP 150 of 150
16D26400	11.0 %	0.0409241	0.0004585	0.9807	EXP 150 of 150	0.0075455	0.0187043	0.0179	EXP 150 of 150	0.1755891	0.0164525	0.0005	EXP 150 of 150	13.57463	0.01618	0.9266	EXP 150 of 150	2920.543	0.087	0.9999	EXP 150 of 150
16D26401	11.5 %	0.0447679	0.0004814	0.9818	EXP 150 of 150	0.0073495	0.0190342	0.0013	EXP 150 of 150	0.2042858	0.0158864	0.0032	EXP 149 of 150	14.94541	0.01769	0.9303	EXP 150 of 150	3210.018	0.090	0.9999	EXP 150 of 150
16D26402	12.0 %	0.0408099	0.0004270	0.9819	EXP 150 of 150	0.0089199	0.0189756	0													

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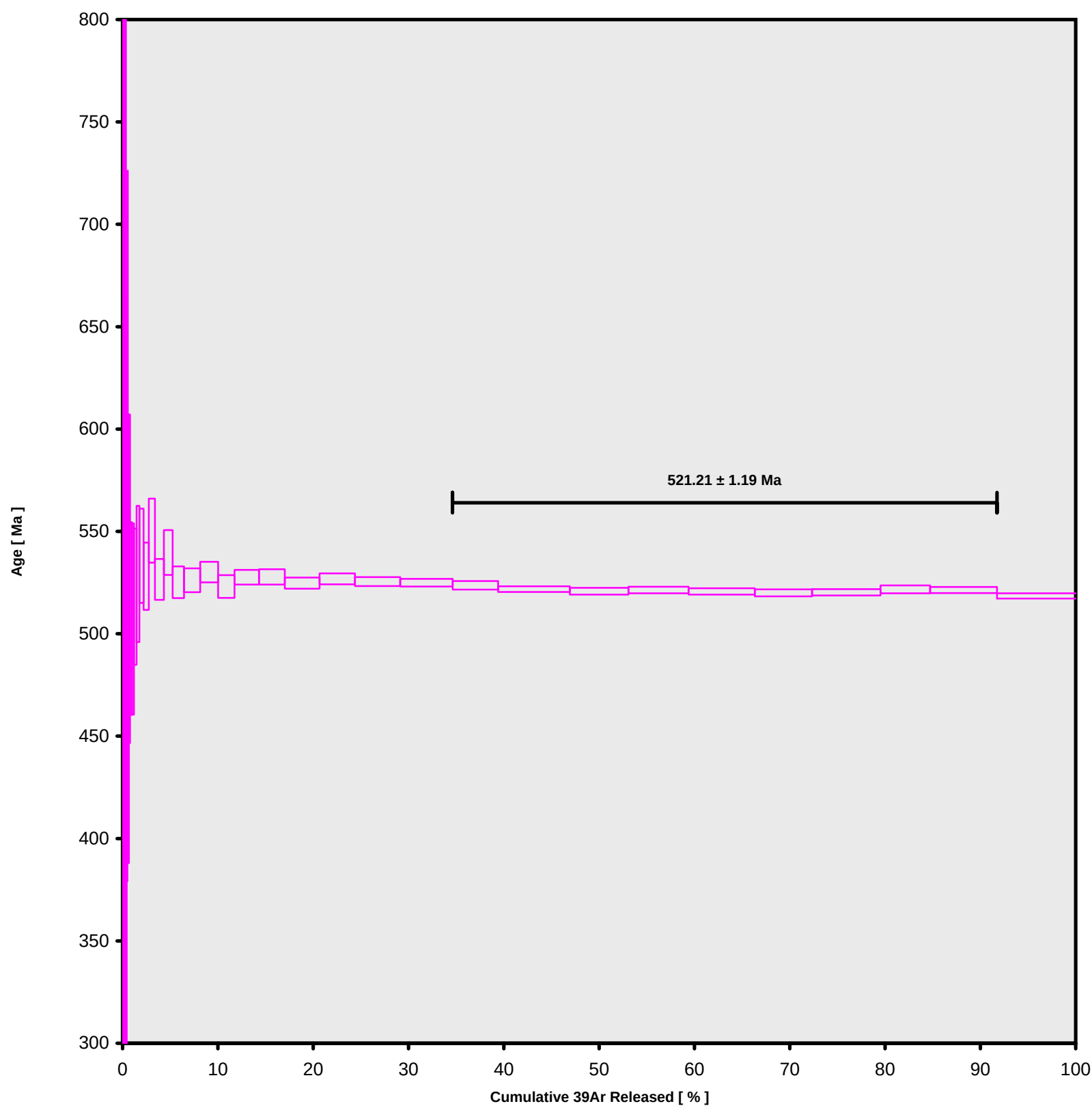
Sample Parameters		Sample	Material	Location	Analyst	Temp	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air 40Ar/36Ar	%1σ	MDF (lin)	%1σ
16D26351	0.8 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	0.8	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26352	0.9 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	0.9	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26353	1.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26355	1.1 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.1	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26356	1.2 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.2	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26357	1.3 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.3	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26358	1.4 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.4	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26359	1.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26361	1.6 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.6	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26362	1.7 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.7	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26363	1.8 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.8	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26364	1.9 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	1.9	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26366	2.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26367	2.1 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.1	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26368	2.2 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.2	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26369	2.3 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.3	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26371	2.4 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.4	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26372	2.6 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.6	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26373	2.8 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	2.8	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26374	3.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	3	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26375	3.2 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	3.2	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26377	3.4 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	3.4	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26378	3.7 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	3.7	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26379	4.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	4	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26380	4.3 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	4.3	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26381	4.7 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	4.7	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26383	5.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26384	5.3 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	5.3	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26385	5.7 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	5.7	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26386	6.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	6	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26388	6.4 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	6.4	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26389	6.8 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	6.8	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26390	7.2 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	7.2	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26391	7.6 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	7.6	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26392	8.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	8	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26394	8.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	8.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26395	9.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	9	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26396	9.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	9.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26397	10.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	10	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26399	10.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	10.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26400	11.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	11	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26401	11.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	11.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26402	12.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	12	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26404	12.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	12.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26405	13.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	13	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26406	13.5 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	13.5	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065
16D26408	14.0 %	MB04-8	Biotite	South Shetlands Islands	Dan Miggins	14	FCT-NM (3C16-16)	28.201	0.082	Kuiper et al (2008)	9.98681	0.111	0.00157382	0.111	305.046	0.12	0.992166478	0.065

Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
1	4.8E-14	24	JUL	2016	21	58	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	7	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	15	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	32	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	41	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	49	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	22	58	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	23	6	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	23	24	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	23	32	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	23	41	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	24	JUL	2016	23	49	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	6	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	15	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	23	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	32	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	49	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	0	58	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	6	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	15	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	23	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	40	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	49	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	1	57	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	6	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	14	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	31	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	40	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	49	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	2	57	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	3	14	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	3	23	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	3	31	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	3	40	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	3	48	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	5	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	14	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	23	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	31	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	48	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	4	57	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	5	5	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	5	14	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	5	31	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	5	39	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	5	48	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01
1	4.8E-14	25	JUL	2016	6	5	1	16-OSU-03	0.00	0.00	25.38	Antarctica\Gao (15-54)	16D26339	01

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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		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ
16D26351	0.8 %	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
16D26352	0.9 %	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
16D26353	1.0 %	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
16D26355	1.1 %	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
16D26356	1.2 %	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
16D26357	1.3 %	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
16D26358	1.4 %	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
16D26359	1.5 %	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
16D26361	1.6 %	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
16D26362	1.7 %	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
16D26363	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
16D26364	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
16D26366	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
16D26367	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
16D26368	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
16D26369	2.3 %	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
16D26371	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
16D26372	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
16D26373	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
16D26374	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
16D26375	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
16D26377	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
16D26378	3.7 %	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
16D26379	4.0 %	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
16D26380	4.3 %	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
16D26381	4.7 %	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
16D26383	5.0 %	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
16D26384	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
16D26385	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
16D26386	6.0 %	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
16D26388	6.4 %	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
16D26389	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
16D26390	7.2 %	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
16D26391	7.6 %	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
16D26392	8.0 %	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
16D26394	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
16D26395	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
16D26396	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
16D26397	10.0 %	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
16D26399	10.5 %	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
16D26400	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
16D26401	11.5 %	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
16D26402	12.0 %	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
16D26404	12.5 %	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
16D26405	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
16D26406	13.5 %	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
16D26408	14.0 %	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								

16D26339.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
521.21 ± 1.19
TOTAL FUSION
522.52 ± 1.21
NORMAL ISOCHRON
519.28 ± 2.54
INVERSE ISOCHRON
519.10 ± 2.53

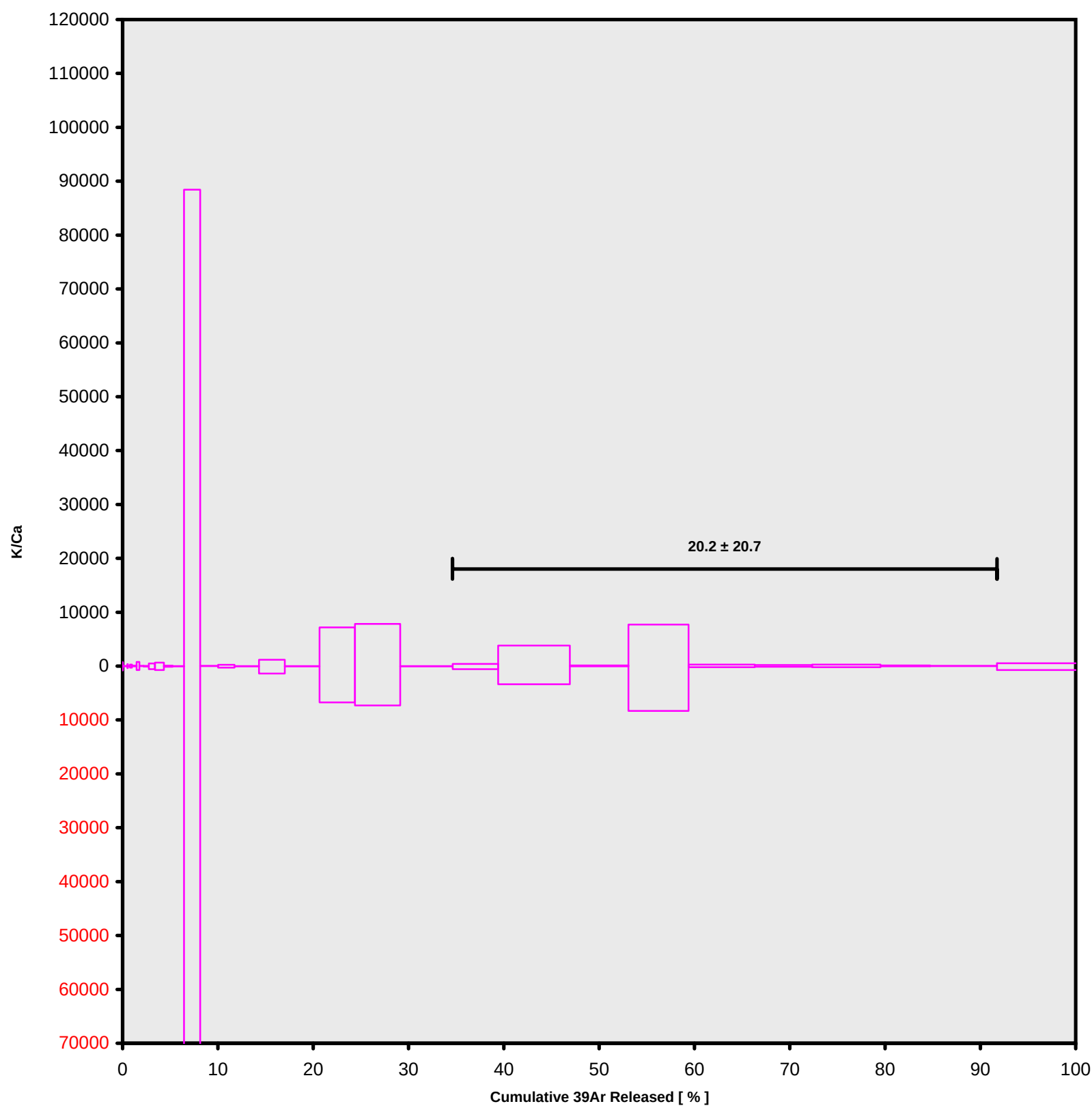
MSWD (PROBABILITY)
1.38 (20%)

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C16-16)
J = 0.00157382 ± 0.00000175

16D26339.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

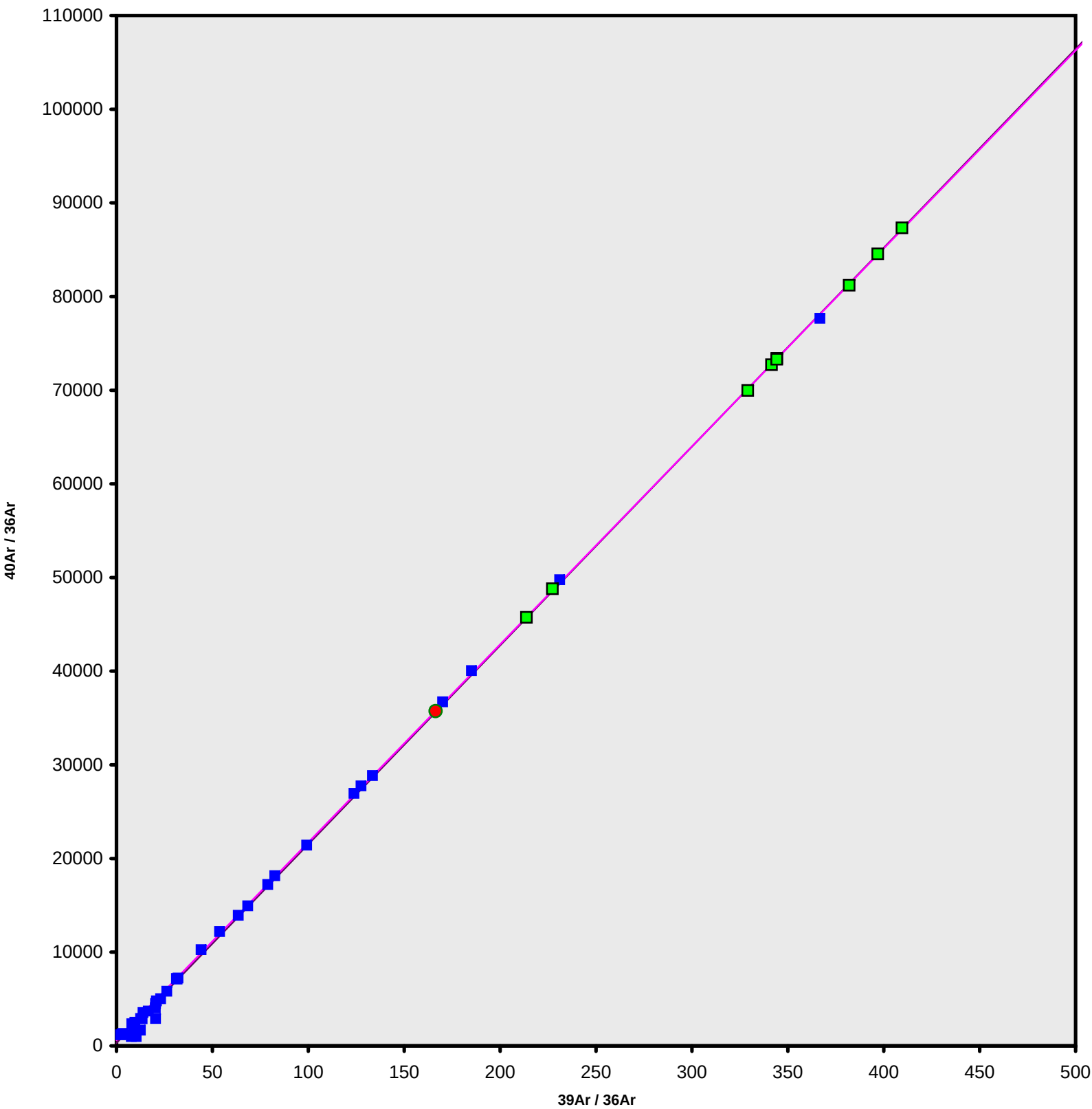
WEIGHTED PLATEAU
521.21 ± 1.19
TOTAL FUSION
522.52 ± 1.21
NORMAL ISOCHRON
519.28 ± 2.54
INVERSE ISOCHRON
519.10 ± 2.53

Sample Info

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Ar-Ages in Ma

WEIGHTED PLATEAU

521.21 ± 1.19

TOTAL FUSION

522.52 ± 1.21

NORMAL ISOCHRON

519.28 ± 2.54

INVERSE ISOCHRON

519.10 ± 2.53

MSWD (PROBABILITY)

1.06 (38%)

40AR/36AR INTERCEPT

581.2 ± 333.3

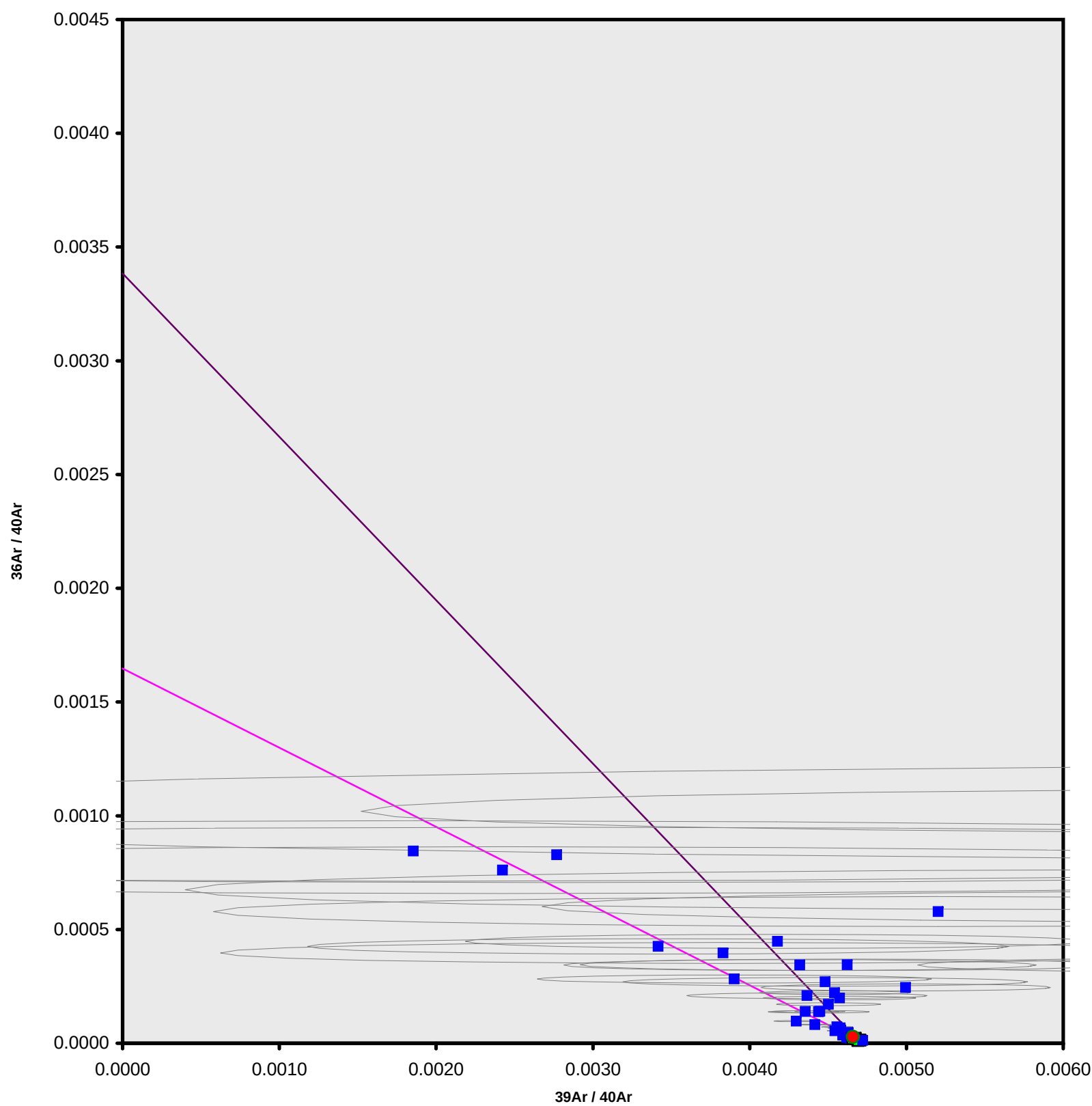
Sample Info

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South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C16-16)

J = 0.00157382 ± 0.00000175

16D26339.AGE >>> MB04-8 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

521.21 ± 1.19

TOTAL FUSION

522.52 ± 1.21

NORMAL ISOCHRON

519.28 ± 2.54

INVERSE ISOCHRON

519.10 ± 2.53

MSWD (PROBABILITY)

1.06 (39%)

SPREADING FACTOR

1.0%

40AR/36AR INTERCEPT

607.0 ± 268.9

Sample Info

Biotite

South Shetlands

Islands

Dan Miggins

IRR = 16-OSU-03 (3C16-16)

J = 0.00157382 ± 0.00000175

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
16D25939	0.2 %		0.0004151	0.3060096	0.013604	0.02350	0.06	7.57 ± 30.56	101.01	0.00	0.0 ± 0.1
16D25941	0.3 %		0.2669931	0.0426107	0.000000	1.22894	220.23	453.88 ± 14.68	73.62	0.16	12.4 ± 138.5
16D25942	0.4 %		0.0406929	0.0703929	0.038039	0.24835	51.16	512.90 ± 81.45	80.97	0.03	1.5 ± 10.7
16D25943	0.5 %		0.0406717	0.1483119	0.011046	0.39899	113.31	674.56 ± 60.11	90.41	0.05	1.2 ± 3.8
16D25944	0.6 %		0.0200739	0.0437263	0.033183	0.18156	40.86	553.73 ± 115.54	87.32	0.02	1.8 ± 19.9
16D25946	0.7 %		0.0126872	0.0769152	0.001436	0.12267	28.54	569.85 ± 188.28	88.39	0.02	0.7 ± 4.3
16D25947	0.8 %		0.0171109	0.0339050	0.001666	0.24089	47.61	494.74 ± 78.76	90.40	0.03	3.1 ± 43.7
16D25948	0.9 %		0.0229686	0.1536399	0.000000	0.38706	79.86	513.61 ± 55.22	92.16	0.05	1.1 ± 3.4
16D25949	1.0 %		0.0149081	0.1511031	0.012449	0.19042	38.12	500.34 ± 99.16	89.64	0.03	0.5 ± 1.8
16D25951	1.1 %		0.0205536	0.0115189	0.047013	0.28638	64.05	550.81 ± 73.49	91.34	0.04	10.7 ± 455.4
16D25952	1.2 %		0.0413467	0.0482142	0.015429	0.78691	206.29	630.74 ± 27.94	94.41	0.11	7.0 ± 74.5
16D25953	1.3 %		0.0255242	0.0386025	0.007864	0.34193	77.18	555.21 ± 60.55	91.10	0.05	3.8 ± 49.8
16D25954	1.4 %		0.0359092	0.1920769	0.030940	0.61901	135.05	539.12 ± 34.06	92.71	0.08	1.4 ± 3.7
16D25955	1.5 %		0.0467413	0.0037119	0.015553	1.01271	212.27	520.73 ± 20.39	93.89	0.14	117.3 ± 15522.2
16D25957	1.6 %		0.0575180	0.0185326	0.029691	1.28916	280.02	537.08 ± 15.96	94.28	0.17	29.9 ± 798.7
16D25958	1.7 %		0.0521709	0.1149079	0.024903	1.07297	232.98	536.92 ± 20.04	93.79	0.14	4.0 ± 17.4
16D25959	1.8 %		0.0610971	0.0006488	0.041228	1.80077	380.56	524.45 ± 11.57	95.47	0.24	1193.5 #####
16D25960	1.9 %		0.0756251	0.1001503	0.025675	2.34340	492.29	521.74 ± 8.26	95.66	0.31	10.1 ± 48.6
16D25962	2.0 %		0.0711072	0.0576726	0.054575	2.13517	447.30	520.49 ± 9.46	95.51	0.29	15.9 ± 130.6
16D25963	2.1 %		0.0703459	0.1021557	0.057721	2.48767	520.40	519.83 ± 7.84	96.16	0.33	10.5 ± 53.1
16D25964	2.2 %		0.0705001	0.0228772	0.047584	2.36337	498.34	523.43 ± 8.93	95.99	0.32	44.4 ± 942.7
16D25965	2.3 %		0.0687364	0.0111926	0.066898	2.20246	460.68	519.78 ± 9.72	95.78	0.30	84.6 ± 3752.5
16D25967	2.4 %		0.0707780	0.0497459	0.079104	3.45720	713.83	513.96 ± 5.96	97.15	0.46	29.9 ± 292.6
16D25968	2.6 %		0.0720406	0.1208831	0.048716	3.35975	697.89	516.66 ± 6.15	97.04	0.45	12.0 ± 49.7
16D25969	2.8 %		0.0762678	0.1035006	0.117835	4.55598	945.64	516.31 ± 4.79	97.67	0.61	18.9 ± 89.0
16D25970	3.0 %		0.1248417	0.0713107	0.206907	10.46811	2153.19	512.26 ± 2.00	98.31	1.40	63.1 ± 435.2
16D25971	3.2 %		0.1350700	0.0408398	0.240634	13.75370	2840.18	514.02 ± 1.60	98.61	1.84	144.8 ± 1816.3
16D25973	3.4 %		0.0918701	0.1391932	0.168819	9.94254	2030.82	509.14 ± 2.10	98.68	1.33	30.7 ± 110.8
16D25974	3.7 %		0.1169810	0.1046135	0.238179	12.68748	2600.23	510.64 ± 1.73	98.69	1.70	52.2 ± 243.3
16D25975	4.0 %		0.1512253	0.0929572	0.350476	21.68415	4443.88	510.62 ± 1.13	99.00	2.91	100.3 ± 529.6
16D25976	4.3 %		0.1455207	0.3274278	0.349565	19.63925	4011.19	509.12 ± 1.19	98.94	2.63	25.8 ± 38.1
16D25977	4.7 %		0.0808231	0.1466033	0.275504	16.76129	3422.95	509.06 ± 1.31	99.31	2.25	49.2 ± 171.1
16D25979	5.0 %	✓	0.1206356	0.2043995	0.470148	28.08430	5725.82	508.33 ± 0.93	99.38	3.77	59.1 ± 144.7
16D25980	5.3 %	✓	0.0489373	0.0897182	0.209505	13.03751	2656.31	508.03 ± 1.72	99.46	1.75	62.5 ± 340.8
16D25981	5.7 %	✓	0.0638393	0.1427147	0.316809	17.43460	3551.79	507.98 ± 1.33	99.47	2.34	52.5 ± 187.4
16D25982	6.0 %	✓	0.0775763	0.0021529	0.376919	22.29428	4537.04	507.52 ± 1.06	99.50	2.99	4452.8 #####
16D25984	6.4 %	✓	0.0671598	0.1326521	0.433082	25.64406	5231.02	508.56 ± 1.01	99.62	3.44	83.1 ± 311.1
16D25985	6.8 %		0.0761130	0.2470722	0.492839	29.86311	6139.32	512.02 ± 0.92	99.63	4.00	52.0 ± 104.8
16D25986	7.2 %	✓	0.0718918	0.3132363	0.501056	30.42647	6200.78	508.14 ± 0.92	99.66	4.08	41.8 ± 67.3
16D25987	7.6 %		0.1188237	0.7138182	0.629689	35.81122	7347.58	511.14 ± 0.83	99.52	4.80	21.6 ± 14.9
16D25988	8.0 %	✓	0.0644384	0.3906452	0.462676	28.04862	5711.72	507.80 ± 0.90	99.67	3.76	30.9 ± 37.9
16D25990	8.5 %	✓	0.1253056	0.9293818	0.557283	30.56017	6218.87	507.49 ± 0.93	99.41	4.10	14.1 ± 7.5
16D25991	9.0 %	✓	0.1285715	0.9510774	0.641375	37.61854	7660.98	507.83 ± 0.81	99.50	5.04	17.0 ± 9.0
16D25992	9.5 %	✓	0.1173373	0.7104138	0.479401	30.30364	6157.13	506.81 ± 0.91	99.44	4.06	18.3 ± 13.0
16D25993	10.0 %	✓	0.1072677	0.0133237	0.528588	30.55513	6210.53	506.97 ± 0.94	99.49	4.10	986.1 ± 37403.0
16D25995	10.5 %	✓	0.1140126	0.2859647	0.560982	34.14416	6940.75	507.02 ± 0.85	99.52	4.58	51.3 ± 92.2
16D25996	11.0 %	✓	0.1058309	0.6817984	0.453739	27.83625	5656.22	506.84 ± 0.98	99.45	3.73	17.6 ± 12.3

16D25997	11.5 %	✓	0.1236804	0.2950196	0.596750	34.47563	7017.51	507.61 ± 0.86	99.48	4.62	50.2 ± 81.6
16D25998	12.0 %	✓	0.1147475	0.1920163	0.538749	30.70487	6257.69	508.16 ± 0.88	99.46	4.12	68.8 ± 182.1
16D26000	12.5 %	✓	0.1289303	0.2847971	0.616883	38.04630	7757.08	508.34 ± 0.82	99.51	5.10	57.4 ± 98.7
16D26001	13.0 %	✓	0.0792397	0.0113954	0.349546	21.37149	4348.01	507.39 ± 1.15	99.46	2.87	806.4 ± 34412.9
16D26002	13.5 %	✓	0.1185160	0.2422769	0.647331	37.57738	7642.57	507.25 ± 0.80	99.54	5.04	66.7 ± 141.4
16D26004	14.0 %		0.0735150	0.0319991	0.387184	23.97568	4899.80	509.38 ± 1.02	99.56	3.21	322.2 ± 5095.7
Σ			4.2454851	7.8817609	12.902770	745.88715	152355.34				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% _n)	K/Ca ± 2σ
Sample = MB03-4 Material = Biotite Location = South Shetlands Islands Analyst = Dan Miggins Project = ANTARCTICA GAO (15-54) Mass Discrimination Law = LIN Irradiation = 16-OSU-03 (3C7-16) J = 0.00159208 ± 0.00000178 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	203.56875 ± 0.11959 ± 0.06%	507.65 ± 1.02 ± 0.20%	1.37 14%	69.47 18	16.9 ± 4.8
		Full External Error ± 10.79 Analytical Error ± 0.26		1.69 1.1713	2σ Confidence Limit Error Magnification	
	Total Fusion Age	204.26058 ± 0.10527 ± 0.05%	509.16 ± 1.02 ± 0.20%		53	40.7 ± 18.6
		Full External Error ± 10.82 Analytical Error ± 0.23				

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D25939	0.2 %	56.62 ± 130.87	146.90 ± 415.55	0.2364
16D25941	0.3 %	4.60 ± 0.17	1120.35 ± 8.92	0.2125
16D25942	0.4 %	6.10 ± 1.12	1552.65 ± 34.97	0.1212
16D25943	0.5 %	9.81 ± 1.07	3081.38 ± 63.21	0.1881
16D25944	0.6 %	9.04 ± 2.21	2330.86 ± 74.20	0.1289
16D25946	0.7 %	9.67 ± 3.76	2545.07 ± 129.32	0.1297
16D25947	0.8 %	14.08 ± 2.62	3078.05 ± 117.05	0.2034
16D25948	0.9 %	16.85 ± 2.13	3772.23 ± 104.02	0.2171
16D25949	1.0 %	12.77 ± 2.95	2852.76 ± 124.54	0.1877
16D25951	1.1 %	13.93 ± 2.20	3411.78 ± 112.25	0.2071
16D25952	1.2 %	19.03 ± 1.07	5284.77 ± 105.77	0.3561
16D25953	1.3 %	13.40 ± 1.74	3319.48 ± 93.19	0.2155
16D25954	1.4 %	17.24 ± 1.32	4056.33 ± 94.36	0.3029
16D25955	1.5 %	21.67 ± 1.05	4836.81 ± 86.89	0.3700
16D25957	1.6 %	22.41 ± 0.85	5163.96 ± 83.92	0.4275
16D25958	1.7 %	20.57 ± 0.95	4761.29 ± 79.28	0.3597
16D25959	1.8 %	29.47 ± 0.89	6524.20 ± 104.76	0.5342
16D25960	1.9 %	30.99 ± 0.71	6805.07 ± 93.47	0.6021
16D25962	2.0 %	30.03 ± 0.79	6586.03 ± 105.32	0.6076
16D25963	2.1 %	35.36 ± 0.80	7693.21 ± 113.41	0.6475
16D25964	2.2 %	33.52 ± 0.83	7364.09 ± 111.99	0.6122
16D25965	2.3 %	32.04 ± 0.84	6997.68 ± 106.25	0.5764
16D25967	2.4 %	48.85 ± 0.99	10381.02 ± 159.93	0.7563
16D25968	2.6 %	46.64 ± 0.93	9983.01 ± 145.95	0.7301
16D25969	2.8 %	59.74 ± 1.07	12694.50 ± 183.93	0.8056
16D25970	3.0 %	83.85 ± 1.04	17542.83 ± 202.90	0.9327
16D25971	3.2 %	101.83 ± 1.20	21322.94 ± 239.43	0.9529
16D25973	3.4 %	108.22 ± 1.50	22400.79 ± 291.83	0.9399
16D25974	3.7 %	108.46 ± 1.40	22523.32 ± 276.96	0.9536
16D25975	4.0 %	143.39 ± 1.63	29681.32 ± 329.23	0.9746
16D25976	4.3 %	134.96 ± 1.52	27859.88 ± 304.56	0.9710
16D25977	4.7 %	207.38 ± 3.44	42646.62 ± 696.00	0.9841
16D25979	5.0 % ✓	232.80 ± 3.19	47759.26 ± 647.64	0.9882
16D25980	5.3 % ✓	266.41 ± 5.43	54575.26 ± 1092.38	0.9817
16D25981	5.7 % ✓	273.10 ± 5.36	55931.97 ± 1085.31	0.9882
16D25982	6.0 % ✓	287.39 ± 4.90	58780.34 ± 992.77	0.9902
16D25984	6.4 % ✓	381.84 ± 8.23	78184.57 ± 1676.05	0.9945
16D25985	6.8 %	392.35 ± 7.22	80956.15 ± 1481.01	0.9937
16D25986	7.2 % ✓	423.23 ± 8.55	86546.99 ± 1739.67	0.9947
16D25987	7.6 %	301.38 ± 4.46	62131.51 ± 911.79	0.9920
16D25988	8.0 % ✓	435.28 ± 8.54	88933.99 ± 1734.88	0.9946
16D25990	8.5 % ✓	243.89 ± 3.26	49925.15 ± 659.98	0.9877
16D25991	9.0 % ✓	292.59 ± 3.82	59880.84 ± 773.50	0.9902
16D25992	9.5 % ✓	258.26 ± 3.53	52769.32 ± 712.23	0.9886
16D25993	10.0 % ✓	284.85 ± 4.33	58192.92 ± 876.92	0.9903
16D25995	10.5 % ✓	299.48 ± 4.38	61172.51 ± 886.76	0.9914
16D25996	11.0 % ✓	263.03 ± 3.89	53741.31 ± 785.28	0.9887
16D25997	11.5 % ✓	278.75 ± 3.85	57034.58 ± 780.56	0.9901
16D25998	12.0 % ✓	267.59 ± 3.68	54829.97 ± 746.39	0.9895
16D26000	12.5 % ✓	295.09 ± 4.12	60460.39 ± 836.72	0.9913
16D26001	13.0 % ✓	269.71 ± 4.44	55167.14 ± 896.17	0.9873
16D26002	13.5 % ✓	317.07 ± 4.71	64781.03 ± 954.67	0.9925
16D26004	14.0 %	326.13 ± 6.25	66945.86 ± 1273.03	0.9928

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	143.27 ± 225.05 ± 157.08%	204.09141 ± 0.77872 ± 0.38%	508.79 ± 1.96 ± 0.39% Full External Error ± 10.94 Analytical Error ± 1.69	1.38 14%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.71 1.1733 18	Convergence Number of Iterations Calculated Line	0.001640311942 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
16D25939	0.2 %	0.3854394 ± 1.2341723		0.00680730 ± 0.01925639		0.7128
16D25941	0.3 %	0.0041085 ± 0.0001498		0.00089258 ± 0.00000711		0.0010
16D25942	0.4 %	0.0039307 ± 0.0007166		0.00064406 ± 0.00001451		0.0015
16D25943	0.5 %	0.0031836 ± 0.0003398		0.00032453 ± 0.00000666		0.0007
16D25944	0.6 %	0.0038804 ± 0.0009398		0.00042903 ± 0.00001366		0.0015
16D25946	0.7 %	0.0037989 ± 0.0014631		0.00039292 ± 0.00001996		0.0012
16D25947	0.8 %	0.0045737 ± 0.0008320		0.00032488 ± 0.00001235		0.0013
16D25948	0.9 %	0.0044673 ± 0.0005516		0.00026509 ± 0.00000731		0.0010
16D25949	1.0 %	0.0044773 ± 0.0010154		0.00035054 ± 0.00001530		0.0013
16D25951	1.1 %	0.0040839 ± 0.0006319		0.00029310 ± 0.00000964		0.0010
16D25952	1.2 %	0.0036013 ± 0.0001889		0.00018922 ± 0.00000379		0.0005
16D25953	1.3 %	0.0040357 ± 0.0005110		0.00030125 ± 0.00000846		0.0010
16D25954	1.4 %	0.0042497 ± 0.0003104		0.00024653 ± 0.00000573		0.0007
16D25955	1.5 %	0.0044794 ± 0.0002017		0.00020675 ± 0.00000371		0.0006
16D25957	1.6 %	0.0043403 ± 0.0001490		0.00019365 ± 0.00000315		0.0005
16D25958	1.7 %	0.0043195 ± 0.0001863		0.00021003 ± 0.00000350		0.0006
16D25959	1.8 %	0.0045176 ± 0.0001147		0.00015328 ± 0.00000246		0.0004
16D25960	1.9 %	0.0045535 ± 0.0000829		0.00014695 ± 0.00000202		0.0004
16D25962	2.0 %	0.0045593 ± 0.0000953		0.00015184 ± 0.00000243		0.0004
16D25963	2.1 %	0.0045967 ± 0.0000797		0.00012998 ± 0.00000192		0.0004
16D25964	2.2 %	0.0045522 ± 0.0000894		0.00013579 ± 0.00000207		0.0004
16D25965	2.3 %	0.0045790 ± 0.0000985		0.00014290 ± 0.00000217		0.0004
16D25967	2.4 %	0.0047053 ± 0.0000627		0.00009633 ± 0.00000148		0.0003
16D25968	2.6 %	0.0046716 ± 0.0000639		0.00010017 ± 0.00000146		0.0003
16D25969	2.8 %	0.0047057 ± 0.0000501		0.00007877 ± 0.00000114		0.0002
16D25970	3.0 %	0.0047798 ± 0.0000214		0.00005700 ± 0.00000066		0.0002
16D25971	3.2 %	0.0047754 ± 0.0000171		0.00004690 ± 0.00000053		0.0002
16D25973	3.4 %	0.0048313 ± 0.0000229		0.00004464 ± 0.00000058		0.0002
16D25974	3.7 %	0.0048153 ± 0.0000187		0.00004440 ± 0.00000055		0.0001
16D25975	4.0 %	0.0048310 ± 0.0000123		0.00003369 ± 0.00000037		0.0001
16D25976	4.3 %	0.0048442 ± 0.0000130		0.00003589 ± 0.00000039		0.0001
16D25977	4.7 %	0.0048628 ± 0.0000143		0.00002345 ± 0.00000038		0.0001
16D25979	5.0 %	0.0048745 ± 0.0000103		0.00002094 ± 0.00000028		0.0001
16D25980	5.3 %	0.0048816 ± 0.0000190		0.00001832 ± 0.00000037		0.0001
16D25981	5.7 %	0.0048827 ± 0.0000147		0.00001788 ± 0.00000035		0.0001
16D25982	6.0 %	0.0048891 ± 0.0000117		0.00001701 ± 0.00000029		0.0001
16D25984	6.4 %	0.0048838 ± 0.0000111		0.00001279 ± 0.00000027		0.0001
16D25985	6.8 %	0.0048465 ± 0.0000100		0.00001235 ± 0.00000023		0.0001
16D25986	7.2 %	0.0048901 ± 0.0000101		0.00001155 ± 0.00000023		0.0001
16D25987	7.6 %	0.0048507 ± 0.0000091		0.00001609 ± 0.00000024		0.0001
16D25988	8.0 %	0.0048944 ± 0.0000099		0.00001124 ± 0.00000022		0.0001
16D25990	8.5 %	0.0048850 ± 0.0000102		0.00002003 ± 0.00000026		0.0001
16D25991	9.0 %	0.0048862 ± 0.0000089		0.00001670 ± 0.00000022		0.0001
16D25992	9.5 %	0.0048942 ± 0.0000101		0.00001895 ± 0.00000026		0.0001
16D25993	10.0 %	0.0048949 ± 0.0000103		0.00001718 ± 0.00000026		0.0001
16D25995	10.5 %	0.0048956 ± 0.0000094		0.00001635 ± 0.00000024		0.0001
16D25996	11.0 %	0.0048943 ± 0.0000108		0.00001861 ± 0.00000027		0.0001
16D25997	11.5 %	0.0048873 ± 0.0000095		0.00001753 ± 0.00000024		0.0001
16D25998	12.0 %	0.0048803 ± 0.0000097		0.00001824 ± 0.00000025		0.0001
16D26000	12.5 %	0.0048807 ± 0.0000090		0.00001654 ± 0.00000023		0.0001
16D26001	13.0 %	0.0048889 ± 0.0000128		0.00001813 ± 0.00000029		0.0001
16D26002	13.5 %	0.0048944 ± 0.0000089		0.00001544 ± 0.00000023		0.0001
16D26004	14.0 %	0.0048716 ± 0.0000112		0.00001494 ± 0.00000028		0.0001

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)	MSWD
Inverse Isochron	180.44 ± 83.51		203.96301 ± 0.77560		508.51 ± 1.96	1.37
Clustered Points	± 46.28%		± 0.38%		± 0.38%	15%
					Full External Error ± 10.94	
					Analytical Error ± 1.69	
Statistics	2σ Confidence Limit	1.71	Convergence		0.0000002143	
	Error Magnification	1.1693	Number of Iterations		3	
	Number of Data Points	18	Calculated Line		Weighted York-2	
	Spreading Factor	0.3%				

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
16D25939	0.2 %	0.0003359	74.395	0.3060096	78.607	0.013943	180.947	0.02330	98.284	0.06	126.859	2.62443 ± 10.56916	7.57 ± 30.56	101.01	0.00	0.0 ± 0.1
16D25941	0.3 %	0.2669818	0.397	0.0426107	558.372	0.063547	36.437	1.22891	1.823	299.13	0.027	179.20202 ± 6.55399	453.88 ± 14.68	73.62	0.16	12.4 ± 138.5
16D25942	0.4 %	0.0407182	1.107	0.0703929	353.708	0.048637	47.309	0.24840	9.112	63.18	0.123	205.98621 ± 37.56833	512.90 ± 81.45	80.97	0.03	1.5 ± 10.7
16D25943	0.5 %	0.0407131	1.010	0.1483119	162.802	0.023458	106.455	0.39909	5.335	125.33	0.063	283.98655 ± 30.31661	674.56 ± 60.11	90.41	0.05	1.2 ± 3.8
16D25944	0.6 %	0.0200912	1.548	0.0437263	556.829	0.039122	62.070	0.18159	12.106	46.79	0.167	225.03489 ± 54.51251	553.73 ± 115.54	87.32	0.02	1.8 ± 19.9
16D25946	0.7 %	0.0127079	2.475	0.0769152	310.294	0.005288	434.452	0.12272	19.246	32.29	0.240	232.67105 ± 89.62351	569.85 ± 188.28	88.39	0.02	0.7 ± 4.3
16D25947	0.8 %	0.0171202	1.857	0.0339050	714.435	0.007765	312.234	0.24091	9.093	52.67	0.148	197.65232 ± 35.96434	494.74 ± 78.76	90.40	0.03	3.1 ± 43.7
16D25948	0.9 %	0.0229276	1.349	0.1536399	158.817	0.003646	657.745	0.38695	6.174	86.64	0.091	206.31560 ± 25.47842	513.61 ± 55.22	92.16	0.05	1.1 ± 3.4
16D25949	1.0 %	0.0149505	2.124	0.1511031	162.934	0.017537	134.578	0.19052	11.332	42.53	0.183	200.21322 ± 45.42078	500.34 ± 99.16	89.64	0.03	0.5 ± 1.8
16D25951	1.1 %	0.0205586	1.610	0.0115189	2130.023	0.054299	44.503	0.28637	7.736	70.13	0.112	223.65656 ± 34.61639	550.81 ± 73.49	91.34	0.04	10.7 ± 455.4
16D25952	1.2 %	0.0413621	0.986	0.0482142	531.090	0.032627	72.060	0.78694	2.622	218.51	0.037	262.15275 ± 13.75432	630.74 ± 27.94	94.41	0.11	7.0 ± 74.5
16D25953	1.3 %	0.0255358	1.375	0.0386025	653.644	0.016751	138.282	0.34196	6.330	84.73	0.093	225.73254 ± 28.59050	555.21 ± 60.55	91.10	0.05	3.8 ± 49.8
16D25954	1.4 %	0.0358634	1.148	0.1920769	132.101	0.045085	52.545	0.61888	3.652	145.66	0.055	218.16883 ± 15.93929	539.12 ± 34.06	92.71	0.08	1.4 ± 3.7
16D25955	1.5 %	0.0467450	0.886	0.0037119	6615.566	0.036473	64.786	1.01271	2.252	226.08	0.036	209.60340 ± 9.44364	520.73 ± 20.39	93.89	0.14	117.3 ± 15522.2
16D25957	1.6 %	0.0575281	0.804	0.0185326	1335.146	0.055952	42.118	1.28917	1.716	297.03	0.027	217.21531 ± 7.45932	537.08 ± 15.96	94.28	0.17	29.9 ± 798.7
16D25958	1.7 %	0.0521445	0.823	0.1149079	216.353	0.047555	49.817	1.07290	2.156	248.40	0.033	217.13870 ± 9.36654	536.92 ± 20.04	93.79	0.14	4.0 ± 17.4
16D25959	1.8 %	0.0611040	0.794	0.0006488	40052.589	0.074312	31.270	1.80077	1.270	398.62	0.021	211.32973 ± 5.36906	524.45 ± 11.57	95.47	0.24	1193.5 #####
16D25960	1.9 %	0.0756562	0.681	0.1001503	241.322	0.068010	35.526	2.34347	0.910	514.64	0.016	210.07375 ± 3.82633	521.74 ± 8.26	95.66	0.31	10.1 ± 48.6
16D25962	2.0 %	0.0711012	0.795	0.0576726	410.225	0.093549	24.794	2.13513	1.045	468.32	0.018	209.49225 ± 4.38053	520.49 ± 9.46	95.51	0.29	15.9 ± 130.6
16D25963	2.1 %	0.0703830	0.730	0.1021557	253.609	0.100805	23.035	2.48774	0.867	541.20	0.016	209.19074 ± 3.63036	519.83 ± 7.84	96.16	0.33	10.5 ± 53.1
16D25964	2.2 %	0.0705022	0.755	0.0228772	1061.103	0.089192	26.719	2.36336	0.981	519.18	0.016	210.85803 ± 4.14197	523.43 ± 8.93	95.99	0.32	44.4 ± 942.7
16D25965	2.3 %	0.0687509	0.753	0.0111926	2217.397	0.106244	22.523	2.20247	1.076	481.00	0.018	209.16744 ± 4.50226	519.78 ± 9.72	95.78	0.30	84.6 ± 3752.5
16D25967	2.4 %	0.0707783	0.765	0.0497459	489.644	0.133922	17.848	3.45716	0.666	734.76	0.012	206.47732 ± 2.75224	513.96 ± 5.96	97.15	0.46	29.9 ± 292.6
16D25968	2.6 %	0.0720811	0.725	0.1208831	208.020	0.102610	22.815	3.35983	0.684	719.19	0.012	207.72223 ± 2.84329	516.66 ± 6.15	97.04	0.45	12.0 ± 49.7
16D25969	2.8 %	0.0763156	0.719	0.1035006	235.190	0.186909	12.732	4.55605	0.533	968.20	0.009	207.56134 ± 2.21246	516.31 ± 4.79	97.67	0.61	18.9 ± 89.0
16D25970	3.0 %	0.1248964	0.576	0.0713107	344.720	0.356187	6.653	10.46816	0.224	2190.12	0.005	205.69004 ± 0.92090	512.26 ± 2.00	98.31	1.40	63.1 ± 435.2
16D25971	3.2 %	0.1351224	0.559	0.0408398	627.114	0.431353	5.367	13.75373	0.179	2880.14	0.004	206.50272 ± 0.73888	514.02 ± 1.60	98.61	1.84	144.8 ± 1816.3
16D25973	3.4 %	0.0919362	0.647	0.1391932	180.350	0.305619	7.751	9.94264	0.236	2058.00	0.005	204.25509 ± 0.96689	509.14 ± 2.10	98.68	1.33	30.7 ± 110.8
16D25974	3.7 %	0.1170499	0.612	0.1046135	233.244	0.412694	6.007	12.68755	0.194	2634.85	0.004	204.94483 ± 0.79645	510.64 ± 1.73	98.69	1.70	52.2 ± 243.3
16D25975	4.0 %	0.1513104	0.553	0.0929572	263.979	0.639628	3.786	21.68422	0.127	4488.65	0.003	204.93671 ± 0.52274	510.62 ± 1.13	99.00	2.91	100.3 ± 529.6
16D25976	4.3 %	0.1456681	0.544	0.3274278	73.825	0.613066	4.060	19.63947	0.134	4054.27	0.003	204.24352 ± 0.54987	509.12 ± 1.19	98.94	2.63	25.8 ± 38.1
16D25977	4.7 %	0.0809096	0.811	0.1466033	174.001	0.492275	4.814	16.76139	0.147	3446.90	0.003	204.21740 ± 0.60293	509.06 ± 1.31	99.31	2.25	49.2 ± 171.1
16D25979	5.0 %	✓ 0.1207711	0.675	0.2043995	122.420	0.830591	2.785	28.08444	0.105	5761.58	0.003	203.87977 ± 0.42941	508.33 ± 0.93	99.38	3.77	59.1 ± 144.7
16D25980	5.3 %	✓ 0.0489973	0.991	0.0897182	272.682	0.375513	6.232	13.03757	0.194	2670.82	0.004	203.74328 ± 0.79176	508.03 ± 1.72	99.46	1.75	62.5 ± 340.8
16D25981	5.7 %	✓ 0.0639318	0.963	0.1427147	178.406	0.538506	4.449	17.43470	0.151	3570.72	0.003	203.72075 ± 0.61403	507.98 ± 1.33	99.47	2.34	52.5 ± 187.4
16D25982	6.0 %	✓ 0.0776418	0.839	0.0021529	11776.793	0.659641	3.589	22.29428	0.119	4560.05	0.003	203.50675 ± 0.48604	507.52 ± 1.06	99.50	2.99	4452.8 #####
16D25984	6.4 %	✓ 0.0672698	1.066	0.1326521	187.117	0.754167	3.151	25.64415	0.113	5250.96	0.003	203.98547 ± 0.46264	508.56 ± 1.01	99.62	3.44	83.1 ± 311.1
16D25985	6.8 %	0.0762637	0.909	0.2470722	100.805	0.866365	2.637	23.86328	0.103	6161.93	0.003	205.58220 ± 0.42499	512.02 ± 0.92	99.63	4.00	52.0 ± 104.8
16D25986	7.2 %	✓ 0.0720616	0.998	0.3132363	80.563	0.880576	2.700	30.42668	0.103	6222.14	0.002	203.79552 ± 0.42220	508.14 ± 0.92	99.66	4.08	41.8 ± 67.3
16D25987	7.6 %	0.1191223	0.730	0.7138182	34.572	1.082793	2.057	35.81170	0.094	7382.83	0.002	205.17543 ± 0.38413	511.14 ± 0.83	99.52	4.80	21.6 ± 14.9
16D25988	8.0 %	✓ 0.0646222	0.968	0.3906452	61.439	0.812200	2.998	28.04888	0.101	5730.87	0.003	203.63643 ± 0.41366	507.80 ± 0.90	99.67	3.76	30.9 ± 37.9
16D25990	8.5 %	✓ 0.1256491	0.657	0.9293818	26.640	0.948439	2.468	30.55080	0.105	6256.02	0.003	203.49595 ± 0.42698	507.49 ± 0.93	99.41	4.10	14.1 ± 7.5
16D25991	9.0 %	✓ 0.1289353	0.642	0.9510774	26.346	1.118062	2.139	37.61919	0.091	7699.11	0.002	203.64893 ± 0.37039	507.83 ± 0.81	99.50	5.04	17.0 ± 9.0
16D25992	9.5 %	✓ 0.1176091	0.671	0.7104138	35.537	0.865965	2.730	30.30412	0.103	6191.92	0.002	203.18132 ± 0.41835	506.81 ± 0.91	99.44	4.06	18.3 ± 13.0
16D25993	10.0 %	✓ 0.1073553	0.750	0.0133237	1896.482	0.916244	2.593	30.55512	0.106	6242.34	0.002	203.25636 ± 0.42995	506.97 ± 0.94	99.49	4.10	986.1 ± 37403.0
16D25995	10.5 %	✓ 0.1141855	0.721	0.2859647	89.808	0.993100	2.347	34.14436	0.096	6974.57	0.002	203.27770 ± 0.39027	507.02 ± 0.85	99.52	4.58	51.3 ± 92.2
16D25996	11.0 %	✓ 0.1060907	0.726	0.6817984	35.058	0.808466	2.943	27.83672	0.111	5687.60	0.003	203.19613 ± 0.45036	506.84 ± 0.98	99.45	3.73	17.6 ± 12.3
16D25997	11.5 %	✓ 0.1238619	0.681	0.2950196	81.237	1.034663	2.362	34.47583	0.097	7054.19	0.002	203.54998 ± 0.39576	507.61 ± 0.86	99.48	4.62	50.2 ± 81.6
16D25998	12.0 %	✓ 0.1148916	0.677	0.1920163	132.385	0.929619	2.524	30.70500	0.099	6291.72	0.002	203.80134 ± 0.40484	508.16 ± 0.88	99.46	4.12	68.8 ± 182.1
16D26000	12.5 %	✓ 0.1291126	0.689	0.2847971	85.892	1.098736	2.314	38.04649	0.092	7795.32	0.002	203.88520 ± 0.37529	508.34 ± 0.82	99.51	5.10	57.4 ± 98.7
16D26001	13.0 %	✓ 0.0793030	0.807	0.0113954	2133.625	0.621477	3.895	21.37150	0.130	4371.51	0.003	203.44913 ± 0.53110	507.39 ± 1.15	99.46	2.87	806.4 ± 34412.9
16D26002	13.5 %	✓ 0.1186922	0.733	0.2422769	105.992	1.121593	2.100	37.57754	0.090	7677.73	0.002	203.38208 ± 0.36831	507.25 ± 0.80	99.54	5.04	66.7 ± 141.4
16D26004	14.0 %	0.0735904	0.945	0.0319991	790.807	0.689377	3.419	23.97570	0.115	4921.62	0.003	204.36557 ± 0.46952	509.38 ± 1.02	99.56	3.21	322.2 ± 5095.7
Σ		4.2498080	0.109	7.8817609	22.886	22.664156	0.763	745.89248	0.026	153612.73	0.001					

Information on Analysis and Constants Used in Calculations		Results		40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB03-4	Age Equations = Min et al. (2000)	Age Plateau	203.56875 ± 0.11959 ± 0.06%	507.65 ± 1.02 ± 0.20%	1.37 69.47 16.9 ± 4.8	1.37 14% 18	1.69 20 Confidence Limit	1.1713 Error Magnification	
Material = Biotite	Negative Intensities = Allowed								
Location = South Shetlands Islands	Decay 40K = 5.530 ± 0.048 E-10 1/a								
Analyst = Dan Miggins	Decay 39Ar = 2.940 ± 0.016 E-07 1/h								
Project = ANTARCTICA GAO (15-54)	Decay 37Ar = 8.230 ± 0.012 E-04 1/h	Total Fusion Age	204.26058 ± 0.10527 ± 0.05%	509.16 ± 1.02 ± 0.20%	53 40.7 ± 18.6	1.7133 20 Confidence Limit	1.1733 Error Magnification		
Mass Discrimination Law = LIN	Decay 36Cl = 2.257 ± 0.015 E-06 1/a								
Irradiation = 18-OSU-03 (3C7-16)	Decay 40K(EC,β ⁻) = 0.580 ± 0.009 E-10 1/a								
J = 0.00159208 ± 0.00000178	Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a								
FCT-NM = 28.201 ± 0.023 Ma	Atmospheric 40/36(a) = 295.50	Normal Isochron	143.27 ± 225.05 ± 157.08%	204.09141 ± 0.77872 ± 0.38%	508.79 ± 1.96 ± 0.39%	1.38 69.47 14% 18	1.71 20 Confidence Limit	1.1733 Error Magnification	
IGSN = Undefined	Atmospheric 38/36(a) = 0.1869								
Preferred Age = Undefined	Production 39/37(ca) = 0.000676 ± 0.000009								
Classification = Undefined	Production 38/37(ca) = 0.000072 ± 0.000008								
Experiment Type = Incremental Heating	Production 36/37(ca) = 0.000266 ± 0.000000	Inverse Isochron Clustered Points	180.44 ± 83.51 ± 46.28%	203.96301 ± 0.77560 ± 0.38%	508.51 ± 1.96 ± 0.38%	1.37 69.47 15% 18	1.71 20 Confidence Limit	1.1693 Error Magnification	
Extraction Method = Undefined	Production 40/39(k) = 0.003823 ± 0.000102								
Heating = 77 sec	Production 38/39(k) = 0.012031 ± 0.000019								
Isolation = 1.50 min	Production 36/38(cl) = 262.80 ± 1.71								
Instrument = ARGUS-VI-D	Scaling Ratio K/Ca = 0.430								
Lithology = Undefined	Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04								
Lat-Lon = Undefined - Undefined	Atomic Weight K = 39.0983 ± 0.0001 g								
Collector Calibrations = 36Ar									

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
16D25939	0.2 %	0.0004151	62.16	0.0000000	0.00	0.0000815	78.61	0.0000023	185.47	0.3060096	78.61	0.0000776	62.16	0.0000000	0.00	0.0002828	97.42	0.0000220	79.65	0.013604	185.47	0.02350	97.42	0.0002067	78.62	0.06	176.23	0.1227	62.16	0.0000000	0.00	0.0000899	97.46
16D25941	0.3 %	0.2669931	0.40	0.0000000	0.00	0.0000113	558.37	0.0000000	0.00	0.0426107	558.37	0.0499010	0.40	0.0000000	0.00	0.0147854	1.83	0.0000031	558.52	0.0000000	0.00	1.22894	1.82	0.0000288	558.37	220.23	0.15	78.8965	0.40	0.0000000	0.00	0.0046982	3.22
16D25942	0.4 %	0.0406929	1.12	0.0000000	0.00	0.0000187	353.71	0.0000065	60.50	0.0703929	353.71	0.0076055	1.12	0.0000000	0.00	0.0029879	9.12	0.0000051	353.94	0.038093	60.51	0.24835	9.11	0.0000476	353.71	51.16	0.30	12.0248	1.12	0.0000000	0.00	0.0009495	9.49
16D25943	0.5 %	0.0406717	1.02	0.0000000	0.00	0.0000395	162.80	0.0000019	226.11	0.1483119	162.80	0.0076015	1.02	0.0000000	0.00	0.0048002	5.34	0.0000106	163.31	0.011046	226.11	0.39899	5.34	0.0001002	162.81	113.31	0.13	12.0185	1.02	0.0000000	0.00	0.0015253	5.96
16D25944	0.6 %	0.0200739	1.58	0.0000000	0.00	0.0000116	556.83	0.0000057	73.19	0.0437263	556.83	0.0037518	1.58	0.0000000	0.00	0.0021844	12.11	0.0000031	556.98	0.033183	73.20	0.18156	12.11	0.0000295	556.83	40.86	0.30	5.9318	1.58	0.0000000	0.00	0.0006941	12.40
16D25946	0.7 %	0.0126872	2.53	0.0000000	0.00	0.0000205	310.29	0.0000002	1600.26	0.0769152	310.29	0.0023712	2.53	0.0000000	0.00	0.0014758	19.26	0.0000055	310.56	0.001436	1600.26	0.12267	19.25	0.0000520	310.30	28.54	0.43	3.7491	2.53	0.0000000	0.00	0.0004690	19.44
16D25947	0.8 %	0.0171109	1.90	0.0000000	0.00	0.0000090	714.44	0.0000003	1455.36	0.0339050	714.44	0.0031980	1.90	0.0000000	0.00	0.0028981	9.10	0.0000024	714.55	0.001666	1455.36	0.24089	9.09	0.0000229	714.44	47.61	0.26	5.0563	1.90	0.0000000	0.00	0.0009209	9.48
16D25948	0.9 %	0.0229686	1.38	0.0000000	0.00	0.0000409	158.82	0.0000000	0.00	0.1536399	158.82	0.0042928	1.38	0.0000000	0.00	0.0046567	6.17	0.0000110	159.73	0.0000000	0.00	0.38706	6.17	0.0001038	158.82	79.86	0.15	6.7872	1.38	0.0000000	0.00	0.0014797	6.72
16D25949	1.0 %	0.0149081	2.18	0.0000000	0.00	0.0000402	162.93	0.0000021	189.60	0.1511031	162.93	0.0027863	2.18	0.0000000	0.00	0.0022909	11.34	0.0000108	163.44	0.012449	189.60	0.19042	11.34	0.0001021	162.94	38.12	0.32	4.4053	2.18	0.0000000	0.00	0.0007280	11.65
16D25951	1.1 %	0.0205536	1.64	0.0000000	0.00	0.0000031	2130.02	0.0000081	51.41	0.0114589	2130.02	0.0073475	1.64	0.0000000	0.00	0.0034454	7.74	0.0000008	2130.06	0.047013	51.42	0.28638	7.74	0.0000078	2130.02	64.05	0.20	6.0736	1.64	0.0000000	0.00	0.0010948	8.18
16D25952	1.2 %	0.0413467	1.00	0.0000000	0.00	0.0000128	531.09	0.0000027	152.40	0.0482142	531.09	0.0077277	1.00	0.0000000	0.00	0.0094673	2.63	0.0000035	531.24	0.015429	152.40	0.78691	2.62	0.0000326	531.09	206.29	0.07	12.2179	1.00	0.0000000	0.00	0.0030083	3.74
16D25953	1.3 %	0.0255242	1.40	0.0000000	0.00	0.0000103	653.64	0.0000014	294.58	0.0386025	653.64	0.0047705	1.40	0.0000000	0.00	0.0041138	6.33	0.0000028	653.77	0.007864	294.59	0.34193	6.33	0.0000261	653.65	77.18	0.17	7.5424	1.40	0.0000000	0.00	0.0013072	6.87
16D25954	1.4 %	0.0359092	1.16	0.0000000	0.00	0.0000512	132.10	0.0000053	76.58	0.1920769	132.10	0.0067114	1.16	0.0000000	0.00	0.0074473	3.65	0.0000138	132.72	0.030940	76.59	0.61901	3.65	0.0001298	132.11	135.05	0.11	10.6112	1.16	0.0000000	0.00	0.0023665	4.52
16D25955	1.5 %	0.0467413	0.90	0.0000000	0.00	0.0000010	6615.57	0.0000027	151.95	0.0037119	6615.57	0.0087359	0.90	0.0000000	0.00	0.0121839	2.26	0.0000003	6615.58	0.015553	151.95	0.10271	2.25	0.0000025	6615.57	212.27	0.07	13.8121	0.90	0.0000000	0.00	0.0038716	3.49
16D25957	1.6 %	0.0575180	0.81	0.0000000	0.00	0.0000049	1335.15	0.0000051	79.38	0.0185326	1335.15	0.0107501	0.81	0.0000000	0.00	0.0155098	1.72	0.0000013	1335.21	0.029691	79.39	1.28916	1.72	0.0000125	1335.15	280.02	0.06	16.9966	0.81	0.0000000	0.00	0.0049284	3.17
16D25958	1.7 %	0.0521709	0.83	0.0000000	0.00	0.0000306	216.35	0.0000043	95.14	0.0149079	216.35	0.0097507	0.83	0.0000000	0.00	0.0129089	2.16	0.0000083	216.73	0.024903	95.15	1.07297	2.16	0.0000776	216.36	232.98	0.07	15.4165	0.83	0.0000000	0.00	0.0041020	3.42
16D25959	1.8 %	0.0610971	0.80	0.0000000	0.00	0.0000002	#####	0.0000071	56.38	0.0000648	#####	0.0114190	0.80	0.0000000	0.00	0.0216650	1.28	0.0000000	#####	0.041228	56.38	1.80077	1.27	0.0000004	#####	380.56	0.04	18.0542	0.80	0.0000000	0.00	0.0068843	2.95
16D25960	1.9 %	0.0756251	0.69	0.0000000	0.00	0.0000267	241.32	0.0000044	94.12	0.1001503	241.32	0.0141343	0.69	0.0000000	0.00	0.0281935	0.92	0.0000072	241.66	0.025675	94.12	2.34340	0.91	0.0000677	241.33	492.29	0.04	22.3472	0.69	0.0000000	0.00	0.0089588	2.81
16D25962	2.0 %	0.0710172	0.80	0.0000000	0.00	0.0000154	410.22	0.0000094	42.52	0.0576726	410.22	0.0132899	0.80	0.0000000	0.00	0.0256883	1.06	0.0000041	410.42	0.054575	42.53	2.13517	1.04	0.0000390	410.23	447.30	0.04	21.0122	0.80	0.0000000	0.00	0.0081628	2.86
16D25963	2.1 %	0.0703459	0.74	0.0000000	0.00	0.0000272	253.61	0.0000099	40.24	0.1021557	253.61	0.0131476	0.74	0.0000000	0.00	0.0299292	0.88	0.0000073	253.93	0.057721	40.25	2.48767	0.87	0.0000060	253.61	520.40	0.03	20.7872	0.74	0.0000000	0.00	0.0095104	2.80
16D25964	2.2 %	0.0705001	0.76	0.0000000	0.00	0.0000061	1061.10	0.0000082	50.10	0.0228772	1061.10	0.0131765	0.76	0.0000000	0.00	0.0284337	0.99	0.0000016	1061.18	0.047584	50.11	2.36337	0.98	0.0000155	1061.10	498.34	0.04	20.8328	0.76	0.0000000	0.00	0.0090352	2.84
16D25965	2.3 %	0.0687364	0.76	0.0000000	0.00	0.0000030	2217.40	0.0000015	35.79	0.0111926	2217.40	0.0128468	0.76	0.0000000	0.00	0.0264958	1.09	0.0000008	2217.43	0.068698	35.80	2.20246	1.08	0.0000076	2217.40	460.68	0.04	20.3116	0.76	0.0000000	0.00	0.0084200	2.87
16D25967	2.4 %	0.0707780	0.77	0.0000000	0.00	0.0000132	489.64	0.0000136	30.23	0.0497459	489.64	0.0132284	0.77	0.0000000	0.00	0.0415935	0.68	0.0000036	489.81	0.079104	30.25	3.45720	0.67	0.0000336	489.65	713.83	0.03	20.9149	0.77	0.0000000	0.00	0.0132169	2.74
16D25968	2.6 %	0.0720406	0.73	0.0000000	0.00	0.0000322	208.02	0.0000084	48.07	0.1208831	208.02	0.0134644	0.73	0.0000000	0.00	0.0404211	0.70	0.0000087	208.41	0.048716	48.08	3.35975	0.68	0.0000817	208.02	697.89	0.03	21.2880	0.73	0.0000000	0.00	0.0128443	2.75
16D25969	2.8 %	0.0762678	0.72	0.0000000	0.00	0.0000276	235.19	0.0000203	20.22	0.1035006	235.19	0.0142544	0.72	0.0000000	0.00	0.0548129	0.56	0.0000074	235.54	0.117835	20.24	4.55598	0.53	0.0000699	235.19	945.64	0.02	22.5371	0.72	0.0000000	0.00	0.0174175	2.71
16D25970	3.0 %	0.1248417	0.58	0.0000000	0.00	0.0000190	344.72	0.0000356	11.49	0.0713107	344.72	0.0233329	0.58	0.0000000	0.00	0.1259419	0.27	0.0000051	344.96	0.206907	11.53	10.46811	0.22	0.0000482	344.72	2153.19	0.01	36.8907	0.58	0.0000000	0.00	0.0400196	2.67
16D25971	3.2 %	0.1350700	0.56	0.0000000	0.00	0.0000109	627.11	0.0000414	9.67	0.0408398	627.11	0.0252446	0.56	0.0000000	0.00	0.1654708	0.24	0.0000029	627.25	0.240634	9.71	13.75370	0.18	0.0000276	627.12	2840.18	0.01	39.9132	0.56	0.0000000	0.00	0.0525804	2.67
16D25973	3.4 %	0.0918701	0.65	0.0000000	0.00	0.0000371	180.35	0.0000291	14.06	0.1391932	180.35	0.0171705	0.65	0.0000000	0.00	0.1196187	0.29	0.0000100	180.81	0.168819	14.09	9.94254	0.24	0.0000940	180.36	2030.82	0.01	27.1476	0.65	0.0000000	0.00	0.0380103	2.67
16D25974	3.7 %	0.1169810	0.61	0.0000000	0.00	0.0000279	233.24	0.0000410	10.45	0.1046135	233.24	0.0218638	0.61	0.0000000	0.00	0.1526431	0.25	0.0000075	233.60	0.238179	10.49	12.68748	0.19	0.0000707	233.25	2600.23	0.01	34.5679	0.61	0.0000000	0.00	0.0485042	2.67
16D25975	4.0 %	0.1512253	0.55	0.0000000	0.00	0.0000248	263.98	0.0000604	6.97	0.0929572	263.98	0.0282640	0.55	0.0000000	0.00	0.2608821	0.20	0.0000067	264.29	0.350476	7.03	21.68415	0.13	0.0000628	263.98	4443.88	0.01	44.6871	0.55	0.0000000	0.00	0.0828985	2.66
16D25976	4.3 %	0.14552																															

Additional Parameters											
	40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)	
16D25939	0.2 %	2.621323	4.206635	13.135734	16.531670	0.014420	0.017775	105.856	8.111969	1.00074808	2.931E-15
16D25941	0.3 %	243.410221	4.437205	0.034673	0.193608	0.217250	0.004053	105.868	8.113861	1.00074817	1.436E-11
16D25942	0.4 %	254.359513	23.179546	0.283386	1.002691	0.163922	0.015046	105.874	8.114863	1.00074821	3.033E-12
16D25943	0.5 %	314.034115	16.753722	0.371629	0.605345	0.102016	0.005539	105.880	8.115753	1.00074825	6.016E-12
16D25944	0.6 %	257.667998	31.196285	0.240795	1.341136	0.110640	0.013503	105.886	8.116755	1.00074829	2.246E-12
16D25946	0.7 %	263.126670	50.646138	0.626766	1.948553	0.103554	0.020094	105.898	8.118648	1.00074838	1.550E-12
16D25947	0.8 %	218.625562	19.882384	0.140737	1.005558	0.071065	0.006595	105.904	8.119650	1.00074842	2.528E-12
16D25948	0.9 %	223.914965	13.826537	0.397052	0.631062	0.059252	0.003745	105.910	8.120541	1.00074846	4.159E-12
16D25949	1.0 %	223.232653	25.300175	0.793114	1.295378	0.078472	0.009047	105.916	8.121544	1.00074851	2.041E-12
16D25951	1.1 %	244.875176	18.946009	0.040224	0.856780	0.071790	0.005673	105.928	8.123438	1.00074859	3.366E-12
16D25952	1.2 %	277.671637	7.281769	0.061268	0.325392	0.052561	0.001472	105.934	8.124441	1.00074863	1.049E-11
16D25953	1.3 %	247.775773	15.685517	0.112887	0.737916	0.074676	0.004837	105.940	8.125332	1.00074867	4.067E-12
16D25954	1.4 %	235.364178	8.596495	0.310363	0.410148	0.057949	0.002218	105.946	8.126336	1.00074872	6.992E-12
16D25955	1.5 %	223.245432	5.027221	0.003665	0.242482	0.046158	0.001117	105.951	8.127227	1.00074876	1.085E-11
16D25957	1.6 %	230.401171	3.954224	0.014376	0.191935	0.044624	0.000846	105.963	8.129123	1.00074884	1.426E-11
16D25958	1.7 %	231.527288	4.992128	0.107101	0.231727	0.048602	0.001121	105.969	8.130126	1.00074888	1.192E-11
16D25959	1.8 %	221.359438	2.810558	0.000360	0.144307	0.033932	0.000508	105.975	8.131018	1.00074892	1.913E-11
16D25960	1.9 %	219.607469	1.998673	0.042736	0.103132	0.032284	0.000367	105.981	8.132022	1.00074897	2.470E-11
16D25962	2.0 %	219.341049	2.291708	0.027011	0.110807	0.033301	0.000437	105.993	8.133919	1.00074905	2.248E-11
16D25963	2.1 %	217.544611	1.886439	0.041064	0.104141	0.028292	0.000321	105.999	8.134811	1.00074909	2.598E-11
16D25964	2.2 %	219.678141	2.156419	0.009680	0.102714	0.029831	0.000369	106.005	8.135816	1.00074913	2.492E-11
16D25965	2.3 %	218.392741	2.349182	0.005082	0.112685	0.031215	0.000410	106.011	8.136820	1.00074918	2.309E-11
16D25967	2.4 %	212.532877	1.415631	0.014389	0.070456	0.020473	0.000208	106.023	8.138718	1.00074926	3.527E-11
16D25968	2.6 %	214.057044	1.464134	0.035979	0.074844	0.021454	0.000214	106.028	8.139611	1.00074930	3.452E-11
16D25969	2.8 %	212.508621	1.131952	0.022717	0.053429	0.016750	0.000150	106.035	8.140616	1.00074934	4.647E-11
16D25970	3.0 %	209.217003	0.467871	0.006812	0.023483	0.011931	0.000074	106.040	8.141509	1.00074938	1.051E-10
16D25971	3.2 %	209.408115	0.374260	0.002969	0.018621	0.009824	0.000058	106.047	8.142514	1.00074943	1.382E-10
16D25973	3.4 %	206.987408	0.489560	0.014000	0.025248	0.009247	0.000064	106.058	8.144413	1.00074951	9.878E-11
16D25974	3.7 %	207.672062	0.403154	0.008245	0.019232	0.009226	0.000059	106.064	8.145307	1.00074955	1.265E-10
16D25975	4.0 %	207.000751	0.263743	0.004287	0.011316	0.006978	0.000040	106.070	8.146312	1.00074959	2.155E-10
16D25976	4.3 %	206.434577	0.277610	0.016672	0.012308	0.007417	0.000042	106.076	8.147206	1.00074963	1.946E-10
16D25977	4.7 %	205.644915	0.303338	0.008746	0.015219	0.004827	0.000040	106.082	8.148212	1.00074968	1.655E-10
16D25979	5.0 %	✓ 205.151899	0.215866	0.007278	0.008910	0.004300	0.000029	106.094	8.150113	1.00074976	2.766E-10
16D25980	5.3 %	✓ 204.855330	0.397875	0.006882	0.018765	0.003758	0.000038	106.100	8.151119	1.00074980	1.282E-10
16D25981	5.7 %	✓ 204.805454	0.308460	0.008186	0.014604	0.003667	0.000036	106.106	8.152013	1.00074984	1.714E-10
16D25982	6.0 %	✓ 204.538797	0.244092	0.000097	0.011373	0.003483	0.000030	106.112	8.153020	1.00074989	2.189E-10
16D25984	6.4 %	✓ 204.762465	0.232047	0.005173	0.009679	0.002623	0.000028	106.124	8.154921	1.00074997	2.520E-10
16D25985	6.8 %	206.338015	0.213160	0.008273	0.008340	0.002554	0.000023	106.129	8.155816	1.00075001	2.958E-10
16D25986	7.2 %	✓ 204.496135	0.211705	0.010295	0.008294	0.002368	0.000024	106.135	8.156823	1.00075005	2.987E-10
16D25987	7.6 %	206.156960	0.192845	0.019933	0.006891	0.003326	0.000024	106.141	8.157718	1.00075009	3.544E-10
16D25988	8.0 %	✓ 204.317209	0.207408	0.013927	0.008557	0.002304	0.000022	106.147	8.158725	1.00075014	2.751E-10
16D25990	8.5 %	✓ 204.707203	0.214603	0.030411	0.008102	0.004111	0.000027	106.159	8.160628	1.00075022	3.003E-10
16D25991	9.0 %	✓ 204.659206	0.185993	0.025282	0.006661	0.003427	0.000022	106.165	8.161635	1.00075027	3.696E-10
16D25992	9.5 %	✓ 204.326096	0.210205	0.023443	0.008331	0.003881	0.000026	106.171	8.162531	1.00075030	2.972E-10
16D25993	10.0 %	✓ 204.297632	0.215930	0.004436	0.008270	0.003513	0.000027	106.177	8.163539	1.00075035	2.996E-10
16D25995	10.5 %	✓ 204.267090	0.195950	0.008375	0.007522	0.003344	0.000024	106.189	8.165442	1.00075043	3.348E-10
16D25996	11.0 %	✓ 204.320034	0.226268	0.024493	0.008587	0.003811	0.000028	106.194	8.166339	1.00075047	2.730E-10
16D25997	11.5 %	✓ 204.612719	0.198774	0.008557	0.006952	0.003593	0.000025	106.201	8.167347	1.00075052	3.386E-10
16D25998	12.0 %	✓ 204.908613	0.203374	0.006254	0.008279	0.003742	0.000026	106.206	8.168243	1.00075055	3.020E-10
16D26000	12.5 %	✓ 204.889370	0.188438	0.007486	0.006429	0.003394	0.000024	106.218	8.170148	1.00075064	3.742E-10
16D26001	13.0 %	✓ 204.548510	0.266830	0.000533	0.011377	0.003711	0.000030	106.224	8.171157	1.00075068	2.098E-10
16D26002	13.5 %	✓ 204.317001	0.184868	0.006447	0.006834	0.003159	0.000023	106.231	8.172165	1.00075073	3.685E-10
16D26004	14.0 %	205.275281	0.235640	0.001335	0.010554	0.003069	0.000029	106.242	8.174071	1.00075081	2.362E-10

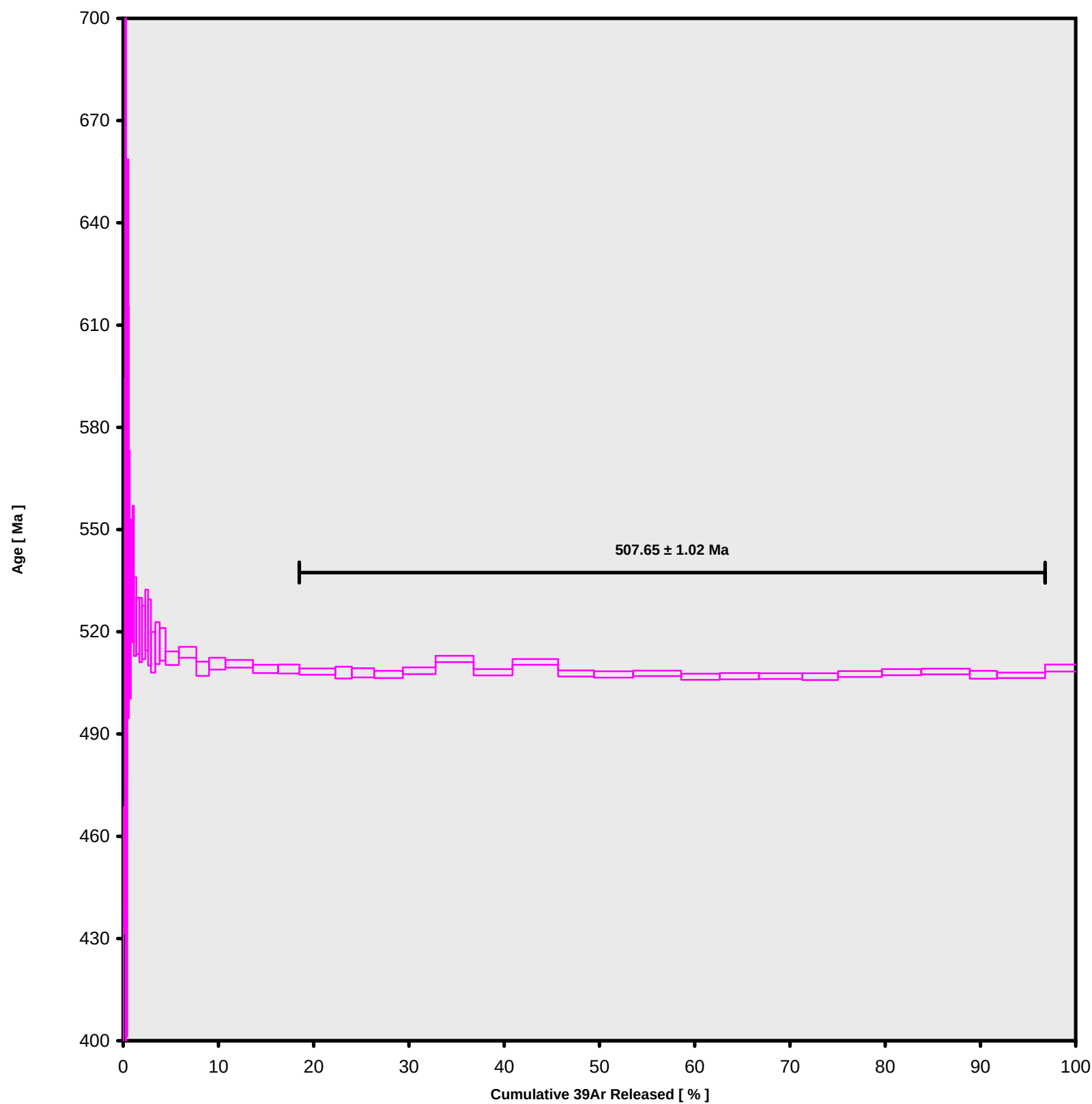
Procedure Blanks		36Ar [fA]	1σ	37Ar [fA]	1σ	38Ar [fA]	1σ	39Ar [fA]	1σ	40Ar [fA]	1σ
16D25939	0.2 %	0.0027682	0.0001757	0.0143768	0.0232193	0.0527821	0.0165232	0.0075536	0.0157812	0.7337867	0.0754700
16D25941	0.3 %	0.0027348	0.0001757	0.0108480	0.0232193	0.0487485	0.0165232	0.0097824	0.0157812	0.7633334	0.0754700
16D25942	0.4 %	0.0027240	0.0001757	0.0094040	0.0232193	0.0470812	0.0165232	0.0105843	0.0157812	0.7745400	0.0754700
16D25943	0.5 %	0.0027178	0.0001757	0.0083435	0.0232193	0.0458439	0.0165232	0.0110980	0.0157812	0.7822983	0.0754700
16D25944	0.6 %	0.0027144	0.0001757	0.0073816	0.0232193	0.0447049	0.0165232	0.0114689	0.0157812	0.7888550	0.0754700
16D25946	0.7 %	0.0027165	0.0001757	0.0061620	0.0232193	0.0432030	0.0165232	0.0116339	0.0157812	0.7960695	0.0754700
16D25947	0.8 %	0.0027213	0.0001757	0.0057954	0.0232193	0.0427098	0.0165232	0.0114704	0.0157812	0.79777208	0.0754700
16D25948	0.9 %	0.0027273	0.0001757	0.0056117	0.0232193	0.0424244	0.0165232	0.0111971	0.0157812	0.7982322	0.0754700
16D25949	1.0 %	0.0027357	0.0001757	0.0055484	0.0232193	0.0422569	0.0165232	0.0107603	0.0157812	0.7979773	0.0754700
16D25951	1.1 %	0.0027551	0.0001757	0.0057837	0.0232193	0.0423189	0.0165232	0.0096154	0.0157812	0.7959681	0.0754700
16D25952	1.2 %	0.0027666	0.0001757	0.0060654	0.0232193	0.0425184	0.0165232	0.0088678	0.0157812	0.7945386	0.0754700
16D25953	1.3 %	0.0027772	0.0001757	0.0063905	0.0232193	0.0427749	0.0165232	0.0081362	0.0157812	0.7932875	0.0754700
16D25954	1.4 %	0.0027894	0.0001757	0.0068270	0.0232193	0.0431382	0.0165232	0.0072499	0.0157812	0.7920866	0.0754700
16D25955	1.5 %	0.0028002	0.0001757	0.0072668	0.0232193	0.0435161	0.0165232	0.0064162	0.0157812	0.7913501	0.0754700
16D25957	1.6 %	0.0028222	0.0001757	0.0083196	0.0232193	0.0444453	0.0165232	0.0045423	0.0157812	0.7913907	0.0754700
16D25958	1.7 %	0.0028330	0.0001757	0.0089193	0.0232193	0.0449839	0.0165232	0.0035154	0.0157812	0.7925804	0.0754700
16D25959	1.8 %	0.0028419	0.0001757	0.0094648	0.0232193	0.0454777	0.0165232	0.0025944	0.0157812	0.7944645	0.0754700
16D25960	1.9 %	0.0028510	0.0001757	0.0100825	0.0232193	0.0460405	0.0165232	0.0015584	0.0157812	0.7976258	0.0754700
16D25962	2.0 %	0.0028650	0.0001757	0.0112268	0.0232193	0.0470934	0.0165232	0.0003637	0.0157812	0.8069706	0.0754700
16D25963	2.1 %	0.0028700	0.0001757	0.0117409	0.0232193	0.0475716	0.0165232	0.0012379	0.0157812	0.8130336	0.0754700
16D25964	2.2 %	0.0028743	0.0001757	0.0122908	0.0232193	0.0480879	0.0165232	0.0021881	0.0157812	0.8212151	0.0754700
16D25965	2.3 %	0.0028771	0.0001757	0.0128033	0.0232193	0.0485757	0.0165232	0.0030951	0.0157812	0.8308909	0.0754700
16D25967	2.4 %	0.0028782	0.0001757	0.0136461	0.0232193	0.0494023	0.0165232	0.0046648	0.0157812	0.8533820	0.0754700
16D25968	2.6 %	0.0028767	0.0001757	0.0139770	0.0232193	0.0497428	0.0165232	0.0053280	0.0157812	0.8659074	0.0754700
16D25969	2.8 %	0.0028736	0.0001757	0.0142931	0.0232193	0.0500857	0.0165232	0.0060091	0.0157812	0.8814898	0.0754700
16D25970	3.0 %	0.0028696	0.0001757	0.0145209	0.0232193	0.0503538	0.0165232	0.0065525	0.0157812	0.8966576	0.0754700
16D25971	3.2 %	0.0028637	0.0001757	0.0147144	0.0232193	0.0506135	0.0165232	0.0070895	0.0157812	0.9151805	0.0754700
16D25973	3.4 %	0.0028487	0.0001757	0.0148892	0.0232193	0.0509852	0.0165232	0.0078746	0.0157812	0.9542406	0.0754700
16D25974	3.7 %	0.0028400	0.0001757	0.0148824	0.0232193	0.0511090	0.0165232	0.0081346	0.0157812	0.9743745	0.0754700
16D25975	4.0 %	0.0028292	0.0001757	0.0148054	0.0232193	0.0512125	0.0165232	0.0083397	0.0157812	0.9982770	0.0754700
16D25976	4.3 %	0.0028188	0.0001757	0.0146754	0.0232193	0.0512758	0.0165232	0.0084424	0.0157812	1.0205654	0.0754700
16D25977	4.7 %	0.0028063	0.0001757	0.0144601	0.0232193	0.0513190	0.0165232	0.0084667	0.0157812	1.0467167	0.0754700
16D25979	5.0 %	0.0027810	0.0001757	0.0138591	0.0232193	0.0513401	0.0165232	0.0082449	0.0157812	1.0988071	0.0754700
16D25980	5.3 %	0.0027672	0.0001757	0.0134421	0.0232193	0.0513325	0.0165232	0.0079845	0.0157812	1.1275512	0.0754700
16D25981	5.7 %	0.0027548	0.0001757	0.0130173	0.0232193	0.0513234	0.0165232	0.0076699	0.0157812	1.1536158	0.0754700
16D25982	6.0 %	0.0027411	0.0001757	0.0124819	0.0232193	0.0513191	0.0165232	0.0072232	0.0157812	1.1833602	0.0754700
16D25984	6.4 %	0.0027168	0.0001757	0.0113209	0.0232193	0.0513639	0.0165232	0.0061158	0.0157812	1.2401139	0.0754700
16D25985	6.8 %	0.0027066	0.0001757	0.0107153	0.0232193	0.0514268	0.0165232	0.0054783	0.0157812	1.2667600	0.0754700
16D25986	7.2 %	0.0026963	0.0001757	0.0099965	0.0232193	0.0515446	0.0165232	0.0046753	0.0157812	1.2964254	0.0754700
16D25987	7.6 %	0.0026886	0.0001757	0.0093296	0.0232193	0.0517018	0.0165232	0.0038876	0.0157812	1.3223323	0.0754700
16D25988	8.0 %	0.0026819	0.0001757	0.0085552	0.0232193	0.0519511	0.0165232	0.0029217	0.0157812	1.3507280	0.0754700
16D25990	8.5 %	0.0026763	0.0001757	0.0070525	0.0232193	0.0526852	0.0165232	0.0008821	0.0157812	1.4012753	0.0754700
16D25991	9.0 %	0.0026778	0.0001757	0.0062535	0.0232193	0.0532448	0.0165232	0.0003023	0.0157812	1.4258651	0.0754700
16D25992	9.5 %	0.0026822	0.0001757	0.0055525	0.0232193	0.0538607	0.0165232	0.0014099	0.0157812	1.4461412	0.0754700
16D25993	10.0 %	0.0026910	0.0001757	0.0047841	0.0232193	0.0547042	0.0165232	0.0027120	0.0157812	1.4668821	0.0754700
16D25995	10.5 %	0.0027206	0.0001757	0.0034331	0.0232193	0.0568022	0.0165232	0.0053092	0.0157812	1.4989243	0.0754700
16D25996	11.0 %	0.0027412	0.0001757	0.0028628	0.0232193	0.0580511	0.0165232	0.0065820	0.0157812	1.5102258	0.0754700
16D25997	11.5 %	0.0027701	0.0001757	0.0022875	0.0232193	0.0596830	0.0165232	0.0080429	0.0157812	1.5196109	0.0754700
16D25998	12.0 %	0.0028013	0.0001757	0.0018465	0.0232193	0.0613535	0.0165232	0.0093603	0.0157812	1.5246937	0.0754700
16D26000	12.5 %	0.0028868	0.0001757	0.0011796	0.0232193	0.0656724	0.0165232	0.0121876	0.0157812	1.5239785	0.0754700
16D26001	13.0 %	0.0029439	0.0001757	0.0010049	0.0232193	0.0684292	0.0165232	0.0136813	0.0157812	1.5164961	0.0754700
16D26002	13.5 %	0.0030098	0.0001757	0.0009758	0.0232193	0.0715465	0.0165232	0.0151589	0.0157812	1.5035300	0.0754700
16D26004	14.0 %	0.0031611	0.0001757	0.0013818	0.0232193	0.0785185	0.0165232	0.0178652	0.0157812	1.4624614	0.0754700

Intercept Values		36Ar [fA]	1σ	r2		37Ar [fA]	1σ	r2		38Ar [fA]	1σ	r2		39Ar [fA]	1σ	r2		40Ar [fA]	1σ	r2	
16D25939	0.2 %	0.0030892	0.0001617	0.9425	EXP 150 of 150	0.0224893	0.0173392	0.0255	EXP 150 of 150	0.039051	0.018556	0.0006	EXP 150 of 150	0.015555	0.01633	0.0614	EXP 150 of 150	0.79	0.02	0.9997	EXP 150 of 150
16D25941	0.3 %	0.2578425	0.0007179	0.7124	EXP 149 of 150	0.0057157	0.0167956	0.0003	EXP 150 of 150	0.013834	0.015715	0.0115	EXP 149 of 150	1.20892	0.01561	0.0114	EXP 150 of 150	299.89	0.03	0.9937	EXP 150 of 150
16D25942	0.4 %	0.0416312	0.0003786	0.5072	EXP 150 of 150	0.0178815	0.0189735	0.0003	EXP 150 of 150	0.000818	0.015507	0.0083	EXP 149 of 150	0.23575	0.01596	0.1245	EXP 150 of 150	63.96	0.02	0.9991	EXP 150 of 150
16D25943	0.5 %	0.0416202	0.0003353	0.6985	EXP 150 of 150	0.0262028	0.0174997	0.0010	EXP 149 of 150	0.022742	0.018216	0.0002	EXP 150 of 150	0.38467	0.01402	0.0945	EXP 150 of 150	126.11	0.02	0.9946	EXP 150 of 150
16D25944	0.6 %	0.0219121	0.0002339	0.8515	EXP 150 of 150	0.0126464	0.0178962	0.0019	EXP 150 of 150	0.006176	0.017289	0.0129	EXP 150 of 150	0.16861	0.01504	0.1811	EXP 150 of 150	47.58	0.02	0.9989	EXP 150 of 150
16D25946	0.7 %	0.0148592	0.0002415	0.8362	EXP 150 of 150	0.0154207	0.0169179	0.0020	EXP 150 of 150	0.037995	0.015459	0.0015	EXP 150 of 150	0.11006	0.01731	0.1093	EXP 150 of 150	33.09	0.02	0.9992	EXP 150 of 150
16D25947	0.8 %	0.0190801	0.0002436	0.8342	EXP 150 of 150	0.0098762	0.0176311	0.0007	EXP 150 of 150	0.035063	0.017235	0.0037	EXP 150 of 150	0.22744	0.01493	0.0383	EXP 150 of 150	53.47	0.02	0.9986	EXP 150 of 150
16D25948	0.9 %	0.0246353	0.0002299	0.8134	EXP 150 of 150	0.0128783	0.0179771	0.0035	EXP 150 of 150	0.038834	0.016876	0.0164	EXP 150 of 150	0.37254	0.01767	0.0153	EXP 150 of 150	87.44	0.02	0.9963	EXP 150 of 150
16D25949	1.0 %	0.0170213	0.0002442	0.8182	EXP 149 of 150	0.0237309	0.0183992	0.0028	EXP 150 of 150	0.024986	0.016347	0.0001	EXP 150 of 150	0.17817	0.01447	0.0600	EXP 150 of 150	43.33	0.02	0.9989	EXP 150 of 150
16D25951	1.1 %	0.0223994	0.0002574	0.7690	EXP 150 of 150	0.0043980	0.0182244	0.0001	EXP 150 of 150	0.011157	0.017127	0.0177	EXP 150 of 150	0.27438	0.01528	0.0674	EXP 150 of 150	70.92	0.02	0.9972	EXP 150 of 150
16D25952	1.2 %	0.0422892	0.0003308	0.6746	EXP 150 of 150	0.0118650	0.0202380	0.0013	EXP 150 of 150	0.010386	0.016220	0.0007	EXP 150 of 150	0.77153	0.01302	0.0359	EXP 150 of 150	219.31	0.03	0.9876	EXP 150 of 150
16D25953	1.3 %	0.0271773	0.0002779	0.7089	EXP 149 of 150	0.0110335	0.0195417	0.0000	EXP 150 of 150	0.026278	0.015728	0.0012	EXP 150 of 150	0.33098	0.01455	0.0936	EXP 150 of 150	85.52	0.02	0.9960	EXP 150 of 150
16D25954	1.4 %	0.0370577	0.0003394	0.6108	EXP 150 of 150	0.0162723	0.0197985	0.0182	EXP 150 of 150	0.001263	0.016471	0.0023	EXP 150 of 150	0.60648	0.01591	0.0468	EXP 150 of 150	146.45	0.03	0.7961	EXP 149 of 150
16D25955	1.5 %	0.0474661	0.0003334	0.6005	EXP 150 of 150	0.0077132	0.0182424	0.0012	EXP 150 of 150	0.007596	0.016387	0.0000	EXP 149 of 150	0.99787	0.01618	0.0027	EXP 149 of 150	226.87	0.03	0.9917	EXP 150 of 150
16D25957	1.6 %	0.0577917	0.0003770	0.5377	EXP 150 of 150	0.0105476	0.0185938	0.0014	EXP 150 of 150	0.010658	0.016298	0.0000	EXP 150 of 150	1.27391	0.01522	0.0003	EXP 150 of 150	297.82	0.03	0.9983	EXP 150 of 150
16D25958	1.7 %	0.0526584	0.0003447	0.5277	EXP 150 of 150	0.0048931	0.0188121	0.0033	EXP 150 of 150	0.001849	0.016472	0.0004	EXP 150 of 150	1.06046	0.01663	0.0025	EXP 150 of 150	249.20	0.03	0.9949	EXP 150 of 150
16D25959	1.8 %	0.0612283	0.0003990	0.5939	EXP 150 of 150	0.0093868	0.0208898	0.0003	EXP 150 of 150	0.027707	0.015834	0.0026	EXP 150 of 150	1.78320	0.01624	0.0388	EXP 150 of 150	399.41	0.03	0.9991	EXP 150 of 150
16D25960	1.9 %	0.0751424	0.0004160	0.5638	EXP 150 of 150	0.0221182	0.0174489	0.0083	EXP 150 of 150	0.020938	0.017122	0.0031	EXP 149 of 150	2.32243	0.01400	0.2678	EXP 148 of 150	515.44	0.04	0.9995	EXP 150 of 150
16D25962	2.0 %	0.0708041	0.0004759	0.4523	EXP 150 of 150	0.0042975	0.0163975	0.0000	EXP 150 of 150	0.045037	0.015772	0.0009	EXP 150 of 150	2.11775	0.01544	0.1851	EXP 150 of 150	469.13	0.04	0.9992	EXP 150 of 150
16D25963	2.1 %	0.0701228	0.0004205	0.6000	EXP 150 of 150	0.0240134	0.0207262	0.0002	EXP 150 of 150	0.051705	0.015809	0.0111	EXP 150 of 150	2.46830	0.01435	0.2228	EXP 149 of 150	542.01	0.04	0.9994	EXP 150 of 150
16D25964	2.2 %	0.0702409	0.0004406	0.5616	EXP 150 of 150	0.0095428	0.0176389	0.0000	EXP 150 of 150	0.039751	0.016668	0.0000	EXP 150 of 150	2.34590	0.01667	0.0516	EXP 150 of 150	520.00	0.04	0.9994	EXP 150 of 150
16D25965	2.3 %	0.0685703	0.0004264	0.5499	EXP 150 of 150	0.0141476	0.0186923	0.0000	EXP 150 of 150	0.056057	0.016802	0.0069	EXP 150 of 150	2.18725	0.01734	0.0610	EXP 150 of 150	481.83	0.04	0.9993	EXP 150 of 150
16D25967	2.4 %	0.0705086	0.0004505	0.6885	EXP 150 of 150	0.0076727	0.0177855	0.0000	EXP 150 of 150	0.082489	0.016766	0.0063	EXP 150 of 150	3.43309	0.01635	0.3801	EXP 150 of 150	735.61	0.04	0.9997	EXP 150 of 150
16D25968	2.6 %	0.0717521	0.0004280	0.7128	EXP 150 of 150	0.0284907	0.0192973	0.0014	EXP 150 of 150	0.051311	0.016079	0.0062	EXP 150 of 150	3.33722	0.01629	0.3244	EXP 150 of 150	720.06	0.04	0.9997	EXP 150 of 150
16D25969	2.8 %	0.0757951	0.0004526	0.8106	EXP 150 of 150	0.0267183	0.0177437	0.0005	EXP 150 of 150	1.133989	0.016619	0.0170	EXP 150 of 150	4.52418	0.01793	0.4881	EXP 150 of 150	969.08	0.05	0.9998	EXP 150 of 150
16D25970	3.0 %	0.1222112	0.0005800	0.8964	EXP 150 of 150	0.0230808	0.0182089	0.0002	EXP 150 of 150	0.300431	0.016476	0.0512	EXP 150 of 150	10.38768	0.01563	0.8923	EXP 149 of 150	2191.01	0.07	0.9999	EXP 150 of 150
16D25971	3.2 %	0.1319765	0.0006061	0.9381	EXP 149 of 150	0.0196161	0.0201432	0.0136	EXP 149 of 150	0.374196	0.015699	0.0054	EXP 150 of 150	13.64647	0.01633	0.9306	EXP 150 of 150	2881.06	0.09	0.9999	EXP 150 of 150
16D25973	3.4 %	0.0906960	0.0004850	0.9387	EXP 150 of 150	0.0315915	0.0191895	0.0023	EXP 150 of 150	0.249998	0.016464	0.0121	EXP 150 of 150	9.86785	0.01593	0.8729	EXP 150 of 150	2058.96	0.08	0.9999	EXP 150 of 150
16D25974	3.7 %	0.1146841	0.0005879	0.9367	EXP 150 of 150	0.0274340	0.0178307	0.0085	EXP 150 of 150	0.355325	0.017966	0.0096	EXP 149 of 150	12.59020	0.01675	0.9165	EXP 150 of 150	2635.82	0.08	0.9999	EXP 150 of 150
16D25975	4.0 %	0.1474101	0.0006737	0.9699	EXP 150 of 150	0.0259571	0.0180959	0.0103	EXP 150 of 150	0.578714	0.017174	0.0062	EXP 150 of 150	21.51228	0.01751	0.9696	EXP 149 of 150	4489.65	0.12	1.0000	EXP 150 of 150
16D25976	4.3 %	0.1420084	0.0006329	0.9701	EXP 150 of 150	0.0539511	0.0173659	0.0025	EXP 150 of 150	0.552491	0.018088	0.0259	EXP 150 of 150	19.48463	0.01665	0.9656	EXP 150 of 150	4055.29	0.10	1.0000	EXP 150 of 150
16D25977	4.7 %	0.0801174	0.0005640	0.9761	EXP 150 of 150	0.0320434	0.0199229	0.0007	EXP 150 of 150	0.433489	0.016472	0.0042	EXP 150 of 150	16.63050	0.01535	0.9581	EXP 150 of 150	3447.94	0.09	1.0000	EXP 150 of 150
16D25979	5.0 %	0.1181808	0.0006914	0.9837	EXP 150 of 150	0.0383686	0.0190031	0.0065	EXP 150 of 150	0.766653	0.015645	0.0569	EXP 150 of 150	27.85919	0.01682	0.9841	EXP 150 of 150	5762.67	0.13	1.0000	EXP 150 of 150
16D25980	5.3 %	0.0495853	0.0004100	0.9832	EXP 150 of 150	0.0241989	0.0179224	0.0104	EXP 150 of 150	0.318484	0.016060	0.0005	EXP 150 of 150	12.93716	0.01763	0.9065	EXP 150 of 150	2671.94	0.08	0.9999	EXP 150 of 150
16D25981	5.7 %	0.0638433	0.0005364	0.9805	EXP 150 of 150	0.0301262	0.0198123	0.0018	EXP 150 of 150	0.479015	0.016828	0.0254	EXP 150 of 150	17.29742	0.01741	0.9509	EXP 150 of 150	3571.88	0.08	1.0000	EXP 150 of 150
16D25982	6.0 %	0.0769298	0.0005624	0.9859	EXP 150 of 150	0.0127400	0.0196096	0.0247	EXP 150 of 150	0.598317	0.016431	0.0178	EXP 149 of 150	22.11614	0.01553	0.9759	EXP 150 of 150	4561.23	0.11	1.0000	EXP 150 of 150
16D25984	6.4 %	0.0669948	0.0006386	0.9860	EXP 150 of 150	0.0272178	0.0185923	0.0006	EXP 149 of 150	0.691364	0.016548	0.0264	EXP 150 of 150	25.43705	0.01758	0.9782	EXP 150 of 150	5262.20	0.14	1.0000	EXP 150 of 150
16D25985	6.8 %	0.0755785	0.0006071	0.9908	EXP 150 of 150	0.0403210	0.0187487	0.0029	EXP 150 of 150	0.801797	0.015233	0.0109	EXP 150 of 150	29.62046	0.01782	0.9825	EXP 150 of 150	6163.20	0.14	1.0000	EXP 150 of 150
16D25986	7.2 %	0.0715530	0.0006378	0.9907	EXP 150 of 150	0.0475257	0.0193642	0.0025	EXP 150 of 150	0.815675	0.016548	0.0125	EXP 150 of 150	30.17838	0.01853	0.9824	EXP 150 of 150	6223.44	0.13	1.0000	EXP 150 of 150
16D25987	7.6 %	0.1165130	0.0007510	0.9899	EXP 150 of 150	0.0948436	0.0182979	0.0094	EXP 150 of 150	1.014668	0.014358	0.1079	EXP 150 of 150	35.51783	0.01798	0.9878	EXP 150 of 150	7384.15	0.15	1.0000	EXP 150 of 150
16D25988	8.0 %	0.0644300	0.0005459	0.9928	EXP 150 of 150	0.0553479	0.0169511	0.0014	EXP 150 of 150	0.747930	0.017349	0.0146	EXP 150 of 150	27.81859	0.01491	0.9856	EXP 150 of 150	5732.22	0.13	1.0000	EXP 150 of 150
16D25990	8.5 %	0.1227371	0.0006988	0.9875	EXP 150 of 150	0.1183508	0.0184348	0.0012	EXP 150 of 150	0.881368	0.016027	0.0915	EXP 150 of 150	30.30758	0.01933	0.9810	EXP 150 of 150	6257.42	0.15	1.0000	EXP 150 of 150
16D25991	9.0 %	0.1258787	0.0006950	0.9918	EXP 150 of 150	0.1201359	0.0189982	0.0046	EXP 149 of 150	1.047859	0.016729	0.0347	EXP 150 of 150	37.30609	0.01773	0.9893	EXP 150 of 150	7700.54	0.16	1.0000	

Sample Parameters		Sample	Material	Location	Analyst	Temp	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	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D25939	0.2 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.2	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	13	6	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25941	0.3 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00241475	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	13	23	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25942	0.4 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.4	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	13	32	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25943	0.5 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.5	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	13	40	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25944	0.6 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.6	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	13	49	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25946	0.7 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.7	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	6	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25947	0.8 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.8	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	15	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25948	0.9 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	0.9	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	23	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25949	1.0 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	32	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25951	1.1 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.1	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	49	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25952	1.2 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.2	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	14	58	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25953	1.3 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	6	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25954	1.4 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.4	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	15	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25955	1.5 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.5	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	23	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25957	1.6 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.6	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	40	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25958	1.7 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.7	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	49	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25959	1.8 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.8	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	15	57	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25960	1.9 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	1.9	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	16	6	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25962	2.0 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	16	23	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25963	2.1 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.1	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	16	31	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25964	2.2 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.2	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	16	40	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25965	2.3 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	16	49	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25967	2.4 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.4	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	6	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25968	2.6 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.6	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	14	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25969	2.8 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	2.8	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	23	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25970	3.0 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	31	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25971	3.2 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	3.2	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	40	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25973	3.4 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	3.4	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	17	57	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25974	3.7 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	3.7	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	5	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25975	4.0 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	4	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	14	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25976	4.3 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	4.3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	22	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25977	4.7 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	4.7	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	31	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25979	5.0 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	5	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	48	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25980	5.3 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	5.3	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	18	57	1	16-OSU-03	0.00	0.00	11.45	Antarctica/Gao (15-54)	16D25935	01
16D25981	5.7 %	MB03-4	Biotope	South Shetlands Islands	Dan Miggins	5.7	FCT-NM (3C7-16)	28.201	0.082	Kuiper et al (2008)	9.87223	0.112	0.00159208	0.112	304.734	0.12	0.99241475	0.065	1	4.8E-14	22	JUL	2016	19	5	1	16-OSU-03	0.0					

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
16D25939	0.2 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25941	0.3 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25942	0.4 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25943	0.5 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25944	0.6 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25946	0.7 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25947	0.8 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25948	0.9 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25949	1.0 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25951	1.1 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25952	1.2 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25953	1.3 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16D25954	1.4 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25955	1.5 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25957	1.6 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25958	1.7 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25959	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25960	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25962	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25963	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25964	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25965	2.3 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25967	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25968	2.5 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25969	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25970	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25971	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25973	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25974	3.7 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25975	4.0 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25976	4.3 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25977	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25979	5.0 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25980	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25981	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25982	6.0 %	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	0.443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16D25984	6.4 %	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																				

16D25935.AGE >>> MB03-4 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
507.65 ± 1.02
TOTAL FUSION
509.16 ± 1.02
NORMAL ISOCHRON
508.79 ± 1.96
INVERSE ISOCHRON
508.51 ± 1.96

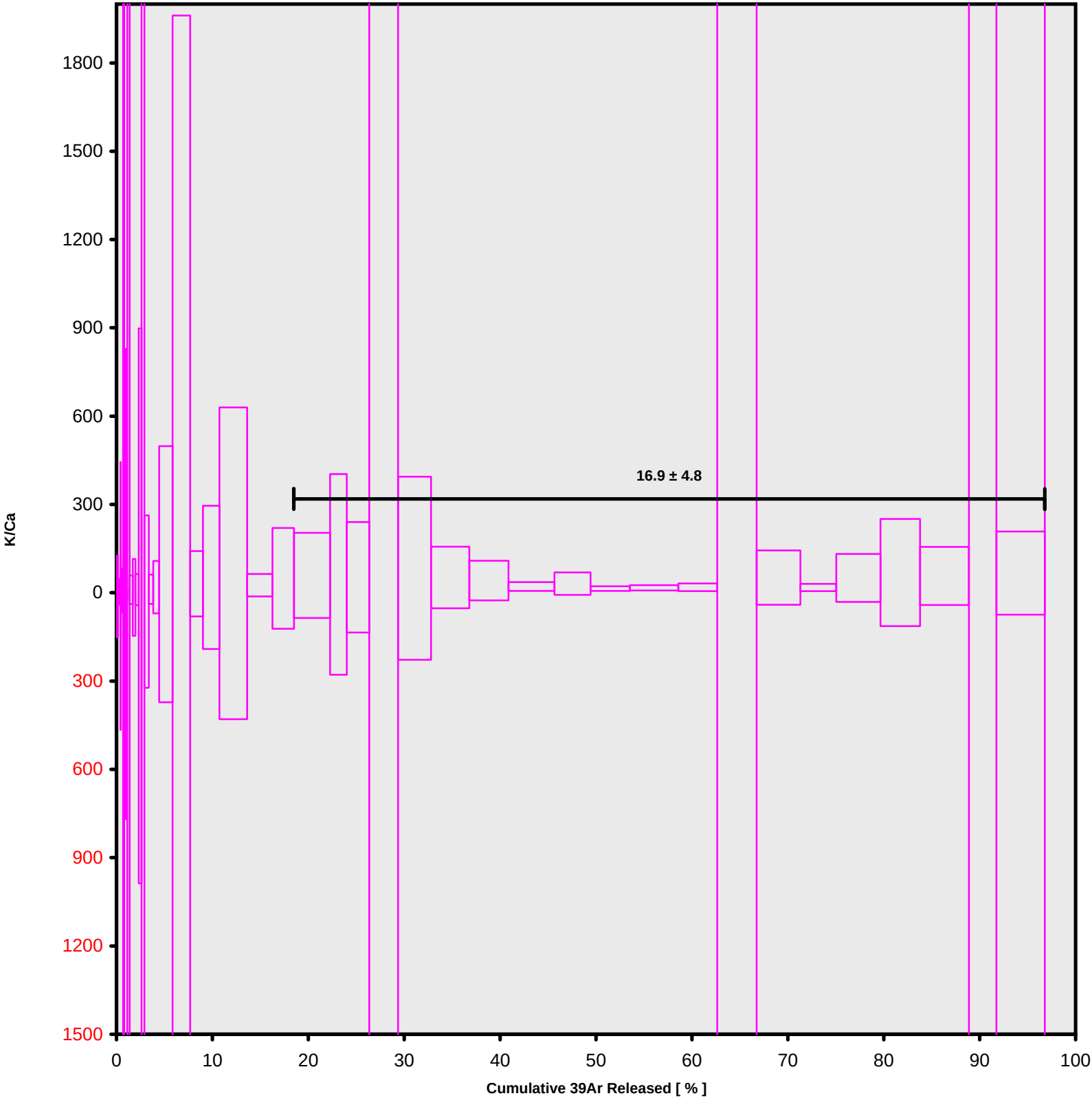
MSWD (PROBABILITY)
1.37 (14%)

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C7-16)
J = 0.00159208 ± 0.00000178

16D25935.AGE >>> MB03-4 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

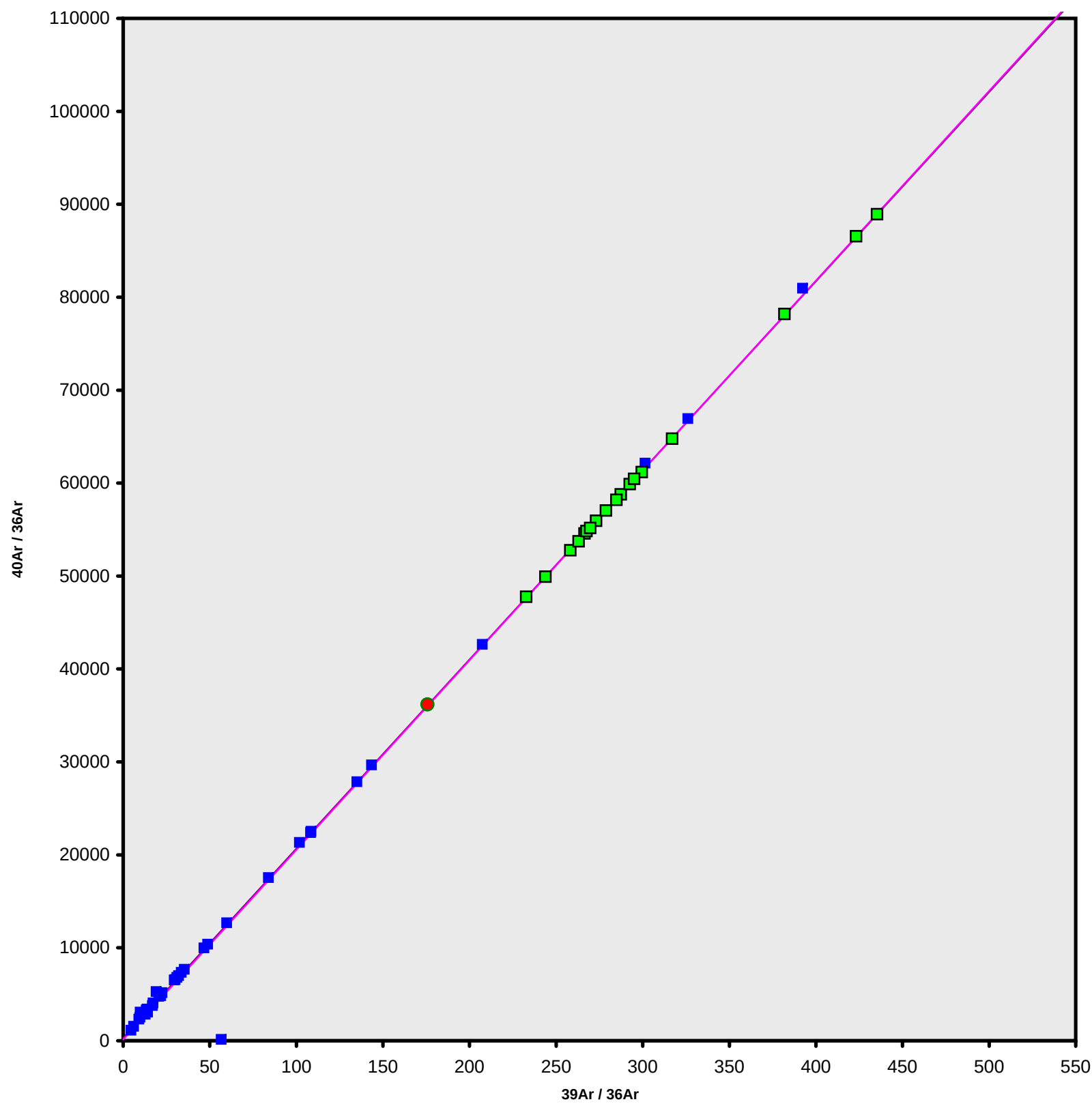
WEIGHTED PLATEAU
507.65 ± 1.02
TOTAL FUSION
509.16 ± 1.02
NORMAL ISOCHRON
508.79 ± 1.96
INVERSE ISOCHRON
508.51 ± 1.96

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C7-16)
J = 0.00159208 ± 0.00000178

16D25935.AGE >>> MB03-4 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
507.65 ± 1.02

TOTAL FUSION
509.16 ± 1.02

NORMAL ISOCHRON
508.79 ± 1.96

INVERSE ISOCHRON
508.51 ± 1.96

MSWD (PROBABILITY)
1.38 (14%)

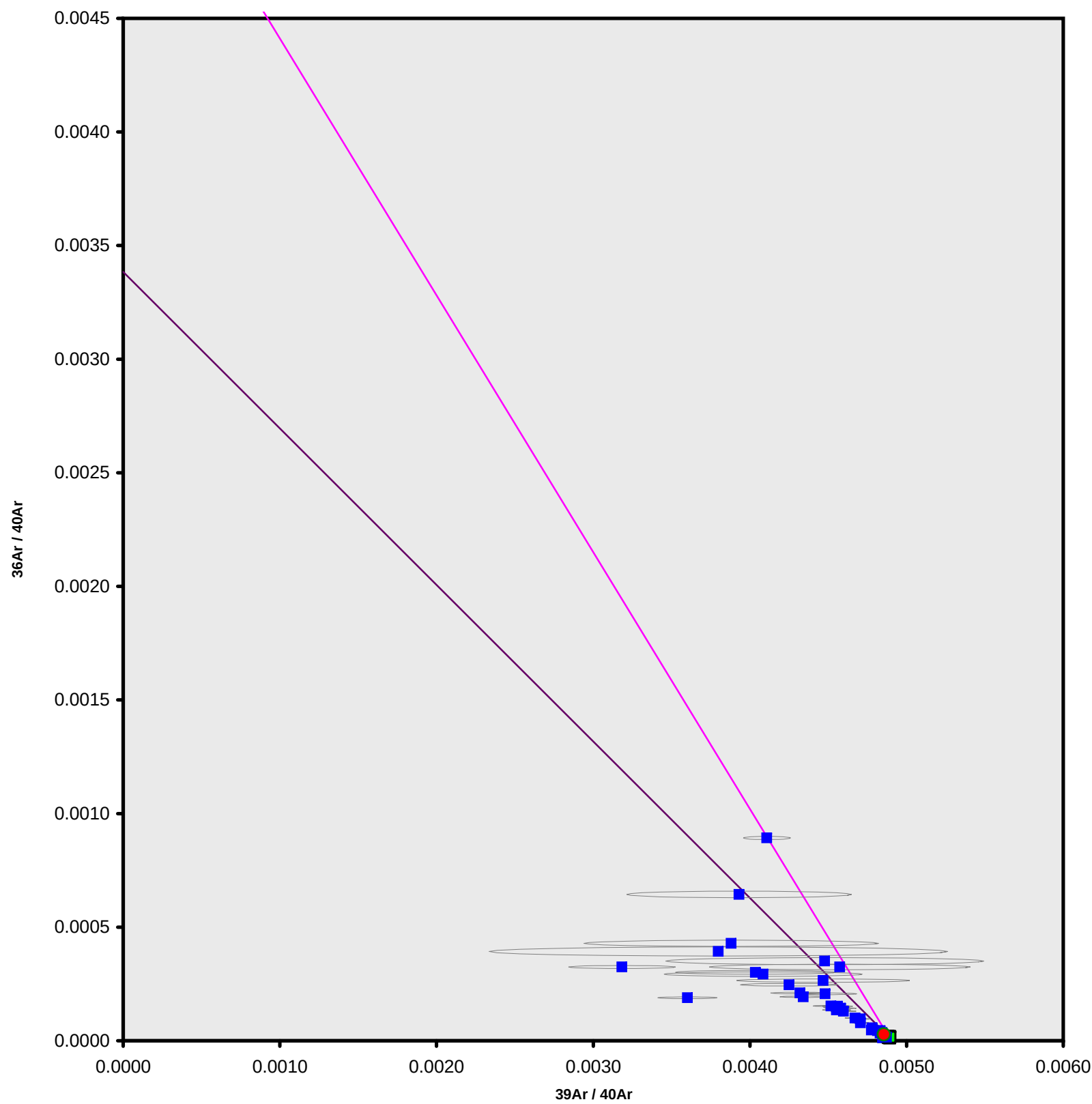
40AR/36AR INTERCEPT
143.3 ± 225.0

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C7-16)
J = 0.00159208 ± 0.00000178

16D25935.AGE >>> MB03-4 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 507.65 ± 1.02
TOTAL FUSION
 509.16 ± 1.02
NORMAL ISOCHRON
 508.79 ± 1.96
INVERSE ISOCHRON
 508.51 ± 1.96

MSWD (PROBABILITY)
1.37 (15%)

SPREADING FACTOR
0.3%

40AR/36AR INTERCEPT
 180.4 ± 83.5

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C7-16)
 $J = 0.00159208 \pm 0.00000178$

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
16D26108	0.3 %		0.1886481	0.043198	0.0207255	1.01700	90.73	239.63 ± 11.37	61.94	0.15	10.1 ± 108.0
16D26109	0.4 %		0.0383405	0.019401	0.0000000	0.30670	40.03	340.65 ± 49.44	77.94	0.04	6.8 ± 155.8
16D26110	0.5 %		0.0148359	0.112511	0.0000000	0.14265	17.75	326.10 ± 102.32	80.19	0.02	0.5 ± 2.1
16D26111	0.6 %		0.0159764	0.123135	0.0000000	0.12379	17.32	362.87 ± 135.61	78.58	0.02	0.4 ± 1.6
16D26113	0.7 %		0.0154595	0.002571	0.0000000	0.12241	23.05	473.20 ± 165.77	83.46	0.02	20.5 ± 3413.4
16D26114	0.8 %		0.0205352	0.142227	0.0160473	0.23090	35.97	399.77 ± 77.57	85.56	0.03	0.7 ± 2.1
16D26115	0.9 %		0.0174932	0.147240	0.0122238	0.16915	29.34	439.99 ± 111.64	85.02	0.02	0.5 ± 1.5
16D26116	1.0 %		0.0225409	0.231136	0.0000000	0.24951	44.85	454.13 ± 76.15	87.07	0.04	0.5 ± 0.9
16D26118	1.1 %		0.0247213	0.433958	0.0282865	0.35713	62.41	442.98 ± 52.90	89.52	0.05	0.4 ± 0.3
16D26119	1.2 %	✓	0.0185147	0.231137	0.0033241	0.19144	41.41	534.06 ± 118.57	88.33	0.03	0.4 ± 0.7
16D26120	1.3 %	✓	0.0248546	0.460803	0.0000000	0.35127	65.58	469.59 ± 58.22	89.93	0.05	0.3 ± 0.3
16D26121	1.4 %	✓	0.0222676	0.300138	0.0000000	0.34673	69.66	500.78 ± 63.86	91.37	0.05	0.5 ± 0.7
16D26122	1.5 %	✓	0.0314847	0.351878	0.0000000	0.60860	116.50	480.05 ± 33.03	92.60	0.09	0.7 ± 0.9
16D26124	1.6 %	✓	0.0287185	0.314228	0.0126225	0.53177	112.53	523.97 ± 40.48	92.99	0.08	0.7 ± 1.0
16D26125	1.7 %	✓	0.0433089	0.306751	0.0009665	1.02710	201.37	490.22 ± 20.61	94.02	0.15	1.4 ± 2.0
16D26126	1.8 %	✓	0.0329776	0.101929	0.0164235	0.73559	152.74	515.42 ± 30.15	94.00	0.11	3.1 ± 13.5
16D26127	1.9 %	✓	0.0477834	0.421558	0.0151710	1.16470	232.85	498.68 ± 18.41	94.28	0.17	1.2 ± 1.3
16D26129	2.0 %	✓	0.0428600	0.198806	0.0241902	1.17500	236.74	502.07 ± 17.83	94.92	0.17	2.5 ± 5.8
16D26130	2.1 %	✓	0.0476572	0.440546	0.0183648	1.38226	278.50	502.07 ± 15.01	95.19	0.20	1.3 ± 1.3
16D26131	2.2 %	✓	0.0565526	0.129726	0.0455862	1.58260	326.82	512.98 ± 14.13	95.13	0.23	5.2 ± 16.5
16D26132	2.3 %	✓	0.0592190	0.304537	0.0231498	1.82479	376.53	512.61 ± 11.94	95.56	0.26	2.6 ± 3.6
16D26134	2.4 %	✓	0.0657012	0.368852	0.0376572	2.25390	462.94	510.57 ± 9.21	95.97	0.32	2.6 ± 3.1
16D26135	2.6 %	✓	0.0662156	0.166393	0.0563584	2.84806	584.28	510.03 ± 7.53	96.76	0.41	7.4 ± 19.5
16D26136	2.8 %	✓	0.0967969	0.376191	0.0700102	4.09273	837.21	508.76 ± 5.39	96.69	0.59	4.7 ± 5.6
16D26137	3.0 %	✓	0.0737482	0.343580	0.0693020	4.31422	883.54	509.27 ± 5.06	97.59	0.62	5.4 ± 7.0
16D26138	3.2 %	✓	0.0637838	0.466752	0.0460049	4.11799	832.12	503.35 ± 5.23	97.78	0.59	3.8 ± 3.7
16D26140	3.4 %	✓	0.0577890	0.085893	0.0616083	3.98236	815.20	509.06 ± 5.57	97.95	0.57	19.9 ± 103.3
16D26141	3.7 %	✓	0.1174523	0.443807	0.1410561	11.28595	2294.12	505.96 ± 2.02	98.51	1.62	10.9 ± 11.0
16D26142	4.0 %	✓	0.0721929	0.135962	0.1172575	8.15648	1657.99	505.96 ± 2.65	98.73	1.17	25.8 ± 84.2
16D26143	4.3 %	✓	0.0598681	0.189937	0.1019788	7.07419	1438.91	506.25 ± 3.22	98.78	1.02	16.0 ± 36.7
16D26144	4.7 %	✓	0.0901142	0.208016	0.1404158	11.87822	2413.49	505.77 ± 1.86	98.91	1.71	24.6 ± 54.5
16D26146	5.0 %	✓	0.1679799	0.482064	0.4010879	30.89204	6286.62	506.46 ± 0.94	99.21	4.44	27.6 ± 25.5
16D26147	5.3 %	✓	0.0676501	0.508028	0.1868655	15.08101	3057.77	504.84 ± 1.54	99.35	2.17	12.8 ± 11.0
16D26148	5.7 %	✓	0.0627136	0.328649	0.1772313	15.20985	3097.21	506.74 ± 1.65	99.40	2.18	19.9 ± 26.4
16D26149	6.0 %	✓	0.1159040	0.475126	0.2621556	22.42268	4546.66	504.87 ± 1.14	99.25	3.22	20.3 ± 19.6
16D26151	6.4 %	✓	0.0976695	0.481042	0.3170533	25.36933	5148.12	505.21 ± 1.06	99.44	3.64	22.7 ± 20.0
16D26152	6.8 %	✓	0.0776530	0.484069	0.2951717	24.40822	4953.18	505.22 ± 1.07	99.54	3.51	21.7 ± 19.6
16D26153	7.2 %	✓	0.0761215	0.513672	0.3145682	25.66742	5217.65	505.98 ± 1.06	99.57	3.69	21.5 ± 19.7
16D26154	7.6 %	✓	0.0874001	0.812508	0.3528629	29.88651	6065.81	505.29 ± 0.91	99.57	4.29	15.8 ± 8.7
16D26155	8.0 %	✓	0.0853152	0.263642	0.3045197	25.76639	5217.25	504.25 ± 1.04	99.52	3.70	42.0 ± 74.7
16D26157	8.5 %	✓	0.0713796	0.476156	0.3643291	27.22005	5523.55	505.20 ± 0.99	99.62	3.91	24.6 ± 23.5
16D26158	9.0 %	✓	0.0601869	0.430944	0.3034249	25.21112	5120.02	505.56 ± 1.03	99.65	3.62	25.2 ± 25.6
16D26159	9.5 %	✓	0.0714105	0.444847	0.3400734	28.05190	5684.36	504.58 ± 0.98	99.63	4.03	27.1 ± 26.5
16D26160	10.0 %	✓	0.1364813	0.684576	0.3942961	30.13610	6116.11	505.26 ± 0.96	99.34	4.33	18.9 ± 11.7
16D26162	10.5 %	✓	0.0739655	0.657779	0.3983326	32.84992	6661.82	504.93 ± 0.87	99.67	4.72	21.5 ± 14.1
16D26163	11.0 %	✓	0.0980693	0.734066	0.4013837	35.41420	7186.90	505.24 ± 0.86	99.60	5.09	20.7 ± 12.4
16D26164	11.5 %	✓	0.0778647	0.879632	0.4253261	33.30014	6746.06	504.47 ± 0.89	99.66	4.78	16.3 ± 7.7

16D26165	12.0 %	✓	0.1017147	0.655884	0.4697638	39.96322	8090.33	504.16 ± 0.80	99.63	5.74	26.2 ± 17.3
16D26167	12.5 %	✓	0.1170281	0.771544	0.5866143	49.78784	10099.90	505.06 ± 0.73	99.66	7.15	27.7 ± 15.9
16D26168	13.0 %	✓	0.0807232	0.452334	0.3691469	33.72875	6835.62	504.64 ± 0.87	99.65	4.84	32.1 ± 31.6
16D26169	13.5 %	✓	0.1181448	0.429103	0.5789592	50.51919	10241.91	504.79 ± 0.73	99.66	7.26	50.6 ± 53.8
16D26171	14.0 %	✓	0.0475896	0.361751	0.2697041	21.67613	4391.20	504.46 ± 1.15	99.68	3.11	25.8 ± 32.6
Σ			3.4713770	18.683942	8.5916011	696.20721	141080.54				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB04-3	Age Plateau	202.86661 ± 0.10743 ± 0.05%	505.08 ± 1.01 ± 0.20%	1.30	99.61	0.6 ± 0.5
Material = Biotite				9%	43	
Location = South Shetlands Islands			Full External Error ± 10.74	1.44	2σ Confidence Limit	
Analyst = Dan Miggins			Analytical Error ± 0.23	1.1397	Error Magnification	
Project = ANTARCTICA GAO (15-54)	Total Fusion Age	202.64160 ± 0.11746 ± 0.06%	504.59 ± 1.02 ± 0.20%		52	16.0 ± 2.7
Mass Discrimination Law = LIN			Full External Error ± 10.73			
Irradiation = 16-OSU-03 (3C10-16)			Analytical Error ± 0.26			
J = 0.00158831 ± 0.00000178						
FCT-NM = 28.201 ± 0.023 Ma						

Normal Isochron		39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ	r.i.
16D26108	0.3 %		5.39 ± 0.28	776.44 ± 8.32	0.1949
16D26109	0.4 %		8.00 ± 1.29	1339.48 ± 43.82	0.1897
16D26110	0.5 %		9.62 ± 3.36	1491.86 ± 115.71	0.2087
16D26111	0.6 %		7.75 ± 3.23	1379.56 ± 99.40	0.1609
16D26113	0.7 %		7.92 ± 3.20	1786.61 ± 131.67	0.1748
16D26114	0.8 %		11.24 ± 2.50	2046.96 ± 115.08	0.2446
16D26115	0.9 %		9.67 ± 2.83	1972.51 ± 130.89	0.2193
16D26116	1.0 %		11.07 ± 2.17	2285.10 ± 120.34	0.2620
16D26118	1.1 %		14.45 ± 2.06	2820.18 ± 133.36	0.3270
16D26119	1.2 %	✓	10.34 ± 2.72	2532.21 ± 157.66	0.2316
16D26120	1.3 %	✓	14.13 ± 2.09	2933.95 ± 137.23	0.3113
16D26121	1.4 %	✓	15.57 ± 2.40	3423.60 ± 175.41	0.3280
16D26122	1.5 %	✓	19.33 ± 1.68	3995.71 ± 152.72	0.4361
16D26124	1.6 %	✓	18.52 ± 1.81	4213.79 ± 174.28	0.4193
16D26125	1.7 %	✓	23.72 ± 1.32	4945.02 ± 141.36	0.5101
16D26126	1.8 %	✓	22.31 ± 1.70	4927.01 ± 180.44	0.4768
16D26127	1.9 %	✓	24.37 ± 1.23	5168.56 ± 141.77	0.5435
16D26129	2.0 %	✓	27.41 ± 1.36	5819.08 ± 166.40	0.5742
16D26130	2.1 %	✓	29.00 ± 1.26	6139.28 ± 164.61	0.6157
16D26131	2.2 %	✓	27.98 ± 1.11	6074.59 ± 144.32	0.5997
16D26132	2.3 %	✓	30.81 ± 1.07	6653.73 ± 148.97	0.6413
16D26134	2.4 %	✓	34.31 ± 0.99	7341.70 ± 148.30	0.6978
16D26135	2.6 %	✓	43.01 ± 1.16	9119.36 ± 190.37	0.7763
16D26136	2.8 %	✓	42.28 ± 0.84	8944.67 ± 140.81	0.7914
16D26137	3.0 %	✓	58.50 ± 1.31	12276.05 ± 236.97	0.8613
16D26138	3.2 %	✓	64.56 ± 1.60	13341.51 ± 290.43	0.8773
16D26140	3.4 %	✓	68.91 ± 1.78	14401.95 ± 325.94	0.8745
16D26141	3.7 %	✓	96.09 ± 1.47	19827.90 ± 289.51	0.9542
16D26142	4.0 %	✓	112.98 ± 2.42	23261.64 ± 478.13	0.9599
16D26143	4.3 %	✓	118.16 ± 2.84	24330.22 ± 556.70	0.9528
16D26144	4.7 %	✓	131.81 ± 2.35	27078.08 ± 468.70	0.9718
16D26146	5.0 %	✓	183.90 ± 2.26	37720.36 ± 457.03	0.9849
16D26147	5.3 %	✓	222.93 ± 5.22	45495.31 ± 1052.80	0.9887
16D26148	5.7 %	✓	242.53 ± 5.98	49682.14 ± 1211.86	0.9885
16D26149	6.0 %	✓	193.46 ± 2.99	39523.29 ± 602.32	0.9858
16D26151	6.4 %	✓	259.75 ± 4.82	53005.15 ± 974.45	0.9915
16D26152	6.8 %	✓	314.32 ± 6.41	64081.62 ± 1296.89	0.9929
16D26153	7.2 %	✓	337.19 ± 7.11	68839.21 ± 1441.37	0.9935
16D26154	7.6 %	✓	341.95 ± 6.92	69698.31 ± 1403.50	0.9948
16D26155	8.0 %	✓	302.01 ± 6.07	61448.09 ± 1226.15	0.9930
16D26157	8.5 %	✓	381.34 ± 8.44	77678.24 ± 1710.94	0.9949
16D26158	9.0 %	✓	418.88 ± 11.20	85364.16 ± 2273.97	0.9962
16D26159	9.5 %	✓	392.83 ± 9.57	79896.71 ± 1938.53	0.9958
16D26160	10.0 %	✓	220.81 ± 3.26	45108.32 ± 659.44	0.9892
16D26162	10.5 %	✓	444.12 ± 10.08	90362.04 ± 2043.43	0.9962
16D26163	11.0 %	✓	361.11 ± 6.64	73579.32 ± 1344.87	0.9944
16D26164	11.5 %	✓	427.67 ± 9.27	86933.75 ± 1875.48	0.9956
16D26165	12.0 %	✓	392.90 ± 7.31	79834.97 ± 1478.27	0.9953
16D26167	12.5 %	✓	425.44 ± 7.09	86598.73 ± 1435.51	0.9951
16D26168	13.0 %	✓	417.83 ± 9.27	84975.32 ± 1878.10	0.9960
16D26169	13.5 %	✓	427.60 ± 7.21	86985.00 ± 1459.20	0.9952
16D26171	14.0 %	✓	455.48 ± 14.74	92567.67 ± 2986.12	0.9967

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	345.02 ± 42.15 ± 12.22%		202.73205 ± 0.17173 ± 0.08%	504.79 ± 1.05 ± 0.21% Full External Error ± 10.74 Analytical Error ± 0.37	1.08 34%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.44 1.0378 43	Convergence Number of Iterations Calculated Line	0.001534691495 1 Weighted York-2	

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
16D26108	0.3 %		0.0069432 ± 0.0003479	0.00128793 ± 0.00001380	0.0152
16D26109	0.4 %		0.0059720 ± 0.0009487	0.00074656 ± 0.00002442	0.0127
16D26110	0.5 %		0.0064453 ± 0.0022051	0.00067030 ± 0.00005199	0.0133
16D26111	0.6 %		0.0056165 ± 0.0023125	0.00072487 ± 0.00005223	0.0120
16D26113	0.7 %		0.0044319 ± 0.0017629	0.00055972 ± 0.00004125	0.0077
16D26114	0.8 %		0.0054930 ± 0.0011864	0.00048853 ± 0.00002746	0.0081
16D26115	0.9 %		0.0049020 ± 0.0013997	0.00050697 ± 0.00003364	0.0077
16D26116	1.0 %		0.0048441 ± 0.0009175	0.00043762 ± 0.00002305	0.0066
16D26118	1.1 %		0.0051224 ± 0.0006889	0.00035459 ± 0.00001677	0.0056
16D26119	1.2 %	✓	0.0040834 ± 0.0010463	0.00039491 ± 0.00002459	0.0050
16D26120	1.3 %	✓	0.0048171 ± 0.0006775	0.00034084 ± 0.00001594	0.0050
16D26121	1.4 %	✓	0.0045482 ± 0.0006635	0.00029209 ± 0.00001497	0.0040
16D26122	1.5 %	✓	0.0048377 ± 0.0003786	0.00025027 ± 0.00000957	0.0037
16D26124	1.6 %	✓	0.0043943 ± 0.0003908	0.00023732 ± 0.00000982	0.0032
16D26125	1.7 %	✓	0.0047959 ± 0.0002301	0.00020222 ± 0.00000578	0.0028
16D26126	1.8 %	✓	0.0045272 ± 0.0003042	0.00020296 ± 0.00000743	0.0027
16D26127	1.9 %	✓	0.0047159 ± 0.0001990	0.00019348 ± 0.00000531	0.0025
16D26129	2.0 %	✓	0.0047112 ± 0.0001914	0.00017185 ± 0.00000491	0.0024
16D26130	2.1 %	✓	0.0047244 ± 0.0001617	0.00016289 ± 0.00000437	0.0022
16D26131	2.2 %	✓	0.0046068 ± 0.0001457	0.00016462 ± 0.00000391	0.0020
16D26132	2.3 %	✓	0.0046311 ± 0.0001238	0.00015029 ± 0.00000336	0.0019
16D26134	2.4 %	✓	0.0046727 ± 0.0000967	0.00013621 ± 0.00000275	0.0018
16D26135	2.6 %	✓	0.0047165 ± 0.0000799	0.00010966 ± 0.00000229	0.0014
16D26136	2.8 %	✓	0.0047270 ± 0.0000574	0.00011180 ± 0.00000176	0.0013
16D26137	3.0 %	✓	0.0047653 ± 0.0000542	0.00008146 ± 0.00000157	0.0010
16D26138	3.2 %	✓	0.0048392 ± 0.0000576	0.00007495 ± 0.00000163	0.0010
16D26140	3.4 %	✓	0.0047849 ± 0.0000600	0.00006944 ± 0.00000157	0.0009
16D26141	3.7 %	✓	0.0048462 ± 0.0000222	0.00005043 ± 0.00000074	0.0005
16D26142	4.0 %	✓	0.0048570 ± 0.0000292	0.00004299 ± 0.00000088	0.0005
16D26143	4.3 %	✓	0.0048566 ± 0.0000354	0.00004110 ± 0.00000094	0.0005
16D26144	4.7 %	✓	0.0048679 ± 0.0000205	0.00003693 ± 0.00000064	0.0004
16D26146	5.0 %	✓	0.0048754 ± 0.0000104	0.00002651 ± 0.00000032	0.0003
16D26147	5.3 %	✓	0.0049000 ± 0.0000172	0.00002198 ± 0.00000051	0.0003
16D26148	5.7 %	✓	0.0048816 ± 0.0000183	0.00002013 ± 0.00000049	0.0002
16D26149	6.0 %	✓	0.0048948 ± 0.0000127	0.00002530 ± 0.00000039	0.0003
16D26151	6.4 %	✓	0.0049004 ± 0.0000118	0.00001887 ± 0.00000035	0.0002
16D26152	6.8 %	✓	0.0049051 ± 0.0000119	0.00001561 ± 0.00000032	0.0002
16D26153	7.2 %	✓	0.0048982 ± 0.0000118	0.00001453 ± 0.00000030	0.0002
16D26154	7.6 %	✓	0.0049062 ± 0.0000102	0.00001435 ± 0.00000029	0.0002
16D26155	8.0 %	✓	0.0049149 ± 0.0000116	0.00001627 ± 0.00000032	0.0002
16D26157	8.5 %	✓	0.0049093 ± 0.0000110	0.00001287 ± 0.00000028	0.0002
16D26158	9.0 %	✓	0.0049070 ± 0.0000115	0.00001171 ± 0.00000031	0.0001
16D26159	9.5 %	✓	0.0049167 ± 0.0000110	0.00001252 ± 0.00000030	0.0001
16D26160	10.0 %	✓	0.0048951 ± 0.0000106	0.00002217 ± 0.00000032	0.0002
16D26162	10.5 %	✓	0.0049149 ± 0.0000097	0.00001107 ± 0.00000025	0.0001
16D26163	11.0 %	✓	0.0049078 ± 0.0000096	0.00001359 ± 0.00000025	0.0001
16D26164	11.5 %	✓	0.0049195 ± 0.0000100	0.00001150 ± 0.00000025	0.0001
16D26165	12.0 %	✓	0.0049213 ± 0.0000089	0.00001253 ± 0.00000023	0.0001
16D26167	12.5 %	✓	0.0049127 ± 0.0000081	0.00001155 ± 0.00000019	0.0001
16D26168	13.0 %	✓	0.0049171 ± 0.0000097	0.00001177 ± 0.00000026	0.0001
16D26169	13.5 %	✓	0.0049158 ± 0.0000081	0.00001150 ± 0.00000019	0.0001
16D26171	14.0 %	✓	0.0049205 ± 0.0000129	0.00001080 ± 0.00000035	0.0001

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	364.76 ± 38.95 ± 10.68%		202.63631 ± 0.16895 ± 0.08%	504.58 ± 1.05 ± 0.21% Full External Error ± 10.73 Analytical Error ± 0.37	1.04 40%
Statistics	2σ Confidence Limit	1.44	Convergence	0.000000175	
	Error Magnification	1.0214	Number of Iterations	3	
	Number of Data Points	43	Calculated Line	Weighted York-2	
	Spreading Factor	16.3%			

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
16D26108	0.3 %	0.1886632	0.515	0.043198	533.454	0.068222	35.115	1.01703	2.501	146.48	0.143	89.21133 ± 4.51761	239.63 ± 11.37	61.94	0.15	10.1 ± 108.0
16D26109	0.4 %	0.0383456	1.577	0.019401	1146.162	0.006636	353.314	0.30671	7.932	51.36	0.406	130.50836 ± 20.78197	340.65 ± 49.44	77.94	0.04	6.8 ± 155.8
16D26110	0.5 %	0.0148658	3.734	0.112511	194.316	0.010488	219.846	0.14273	17.071	22.13	0.940	124.41982 ± 42.66545	326.10 ± 102.32	80.19	0.02	0.5 ± 2.1
16D26111	0.6 %	0.0159436	3.464	0.123135	181.353	0.016992	138.389	0.12371	20.579	22.04	0.944	139.90968 ± 57.70529	362.87 ± 135.61	78.58	0.02	0.4 ± 1.6
16D26113	0.7 %	0.0154602	3.588	0.002571	8335.429	0.024289	103.933	0.12241	19.874	27.62	0.754	188.31930 ± 74.97994	473.20 ± 165.77	83.46	0.02	20.5 ± 3413.4
16D26114	0.8 %	0.0205759	2.747	0.142227	150.166	0.022674	107.638	0.23099	10.783	42.04	0.496	155.76944 ± 33.68732	399.77 ± 77.57	85.56	0.03	0.7 ± 2.1
16D26115	0.9 %	0.0175345	3.237	0.147240	151.599	0.017539	134.654	0.16925	14.255	34.51	0.603	173.43683 ± 49.57794	439.99 ± 111.64	85.02	0.02	0.5 ± 1.5
16D26116	1.0 %	0.0226025	2.581	0.231136	98.348	0.001811	1304.785	0.24967	9.456	51.51	0.404	179.74061 ± 34.08270	454.13 ± 76.15	87.07	0.04	0.5 ± 0.9
16D26118	1.1 %	0.0248418	2.323	0.433958	48.311	0.037235	68.299	0.35742	6.712	69.72	0.299	174.76502 ± 23.52969	442.98 ± 52.90	89.52	0.05	0.4 ± 0.3
16D26119	1.2 %	0.0185768	3.055	0.231137	92.805	0.009104	262.803	0.19160	12.793	46.88	0.444	216.31730 ± 55.46475	534.06 ± 118.57	88.33	0.03	0.4 ± 0.7
16D26120	1.3 %	0.0249773	2.297	0.460803	48.780	0.003458	705.135	0.35158	7.020	72.92	0.286	186.68638 ± 26.27893	469.59 ± 58.22	89.93	0.05	0.3 ± 0.3
16D26121	1.4 %	0.0223475	2.524	0.300138	73.908	0.003748	614.723	0.34694	7.285	76.24	0.273	200.88987 ± 29.32680	500.78 ± 63.86	91.37	0.05	0.5 ± 0.7
16D26122	1.5 %	0.0315784	1.889	0.351878	62.922	0.009643	249.622	0.60884	3.908	125.81	0.166	191.42200 ± 14.99603	480.05 ± 33.03	92.60	0.09	0.7 ± 0.9
16D26124	1.6 %	0.0288043	2.045	0.314228	69.151	0.024410	100.059	0.53198	4.441	121.02	0.172	211.60996 ± 18.83096	523.97 ± 40.48	92.99	0.08	0.7 ± 1.0
16D26125	1.7 %	0.0433907	1.417	0.306751	68.887	0.021440	109.249	1.02731	2.396	214.17	0.098	196.05214 ± 9.41217	490.22 ± 20.61	94.02	0.15	1.4 ± 2.0
16D26126	1.8 %	0.0330076	1.816	0.101929	217.077	0.031444	78.431	0.73565	3.357	162.48	0.129	207.63914 ± 13.96074	515.42 ± 30.15	94.00	0.11	3.1 ± 13.5
16D26127	1.9 %	0.0478983	1.360	0.421558	54.367	0.038144	58.635	1.16498	2.108	246.98	0.085	199.92437 ± 8.44562	498.68 ± 18.41	94.28	0.17	1.2 ± 1.3
16D26129	2.0 %	0.0429172	1.418	0.198806	114.402	0.046351	49.905	1.17514	2.030	249.41	0.084	201.48132 ± 8.19291	502.07 ± 17.83	94.92	0.17	2.5 ± 5.8
16D26130	2.1 %	0.0477777	1.330	0.440546	47.483	0.043934	51.838	1.38256	1.709	292.59	0.072	201.47995 ± 6.90015	502.07 ± 15.01	95.19	0.20	1.3 ± 1.3
16D26131	2.2 %	0.0565951	1.182	0.129726	157.159	0.075206	32.627	1.58269	1.580	343.54	0.061	206.50967 ± 6.53469	512.98 ± 14.13	95.13	0.23	5.2 ± 16.5
16D26132	2.3 %	0.0593041	1.112	0.304537	70.449	0.056194	41.626	1.82500	1.335	394.03	0.053	206.34048 ± 5.51998	512.61 ± 11.94	95.56	0.26	2.6 ± 3.6
16D26134	2.4 %	0.0658060	1.004	0.368852	58.269	0.077080	31.273	2.25415	1.034	482.37	0.044	205.39712 ± 4.25418	510.57 ± 9.21	95.97	0.32	2.6 ± 3.1
16D26135	2.6 %	0.0662697	1.039	0.166393	132.321	0.103011	22.305	2.84817	0.846	603.85	0.035	205.14935 ± 3.47630	510.03 ± 7.53	96.76	0.41	7.4 ± 19.5
16D26136	2.8 %	0.0969093	0.783	0.376191	59.674	0.137368	17.485	4.09298	0.607	865.83	0.025	204.56120 ± 2.48784	508.76 ± 5.39	96.69	0.59	4.7 ± 5.6
16D26137	3.0 %	0.0738517	0.960	0.343580	64.470	0.135015	18.115	4.31445	0.569	905.35	0.024	204.79806 ± 2.33315	509.27 ± 5.06	97.59	0.62	5.4 ± 7.0
16D26138	3.2 %	0.0639161	1.082	0.466752	48.341	0.107503	23.062	4.11830	0.594	850.99	0.025	202.07067 ± 2.40685	503.35 ± 5.23	97.78	0.59	3.8 ± 3.7
16D26140	3.4 %	0.0578226	1.126	0.085893	259.026	0.120327	20.098	3.98242	0.627	832.29	0.025	204.70221 ± 2.57005	509.06 ± 5.57	97.95	0.57	19.9 ± 103.3
16D26141	3.7 %	0.1175950	0.727	0.443807	50.070	0.298821	8.160	11.28625	0.229	2328.87	0.009	203.27255 ± 0.93112	505.96 ± 2.02	98.51	1.62	10.9 ± 11.0
16D26142	4.0 %	0.0722495	1.024	0.135962	163.126	0.228891	10.471	8.15658	0.300	1679.36	0.013	203.27279 ± 1.22146	505.96 ± 2.65	98.73	1.17	25.8 ± 84.2
16D26143	4.3 %	0.0599364	1.139	0.189937	114.624	0.198291	12.301	7.07432	0.364	1456.63	0.015	203.40326 ± 1.48353	506.25 ± 3.22	98.78	1.02	16.0 ± 36.7
16D26144	4.7 %	0.0901940	0.862	0.208016	110.932	0.300180	7.873	11.87836	0.210	2440.16	0.009	203.18614 ± 0.85471	505.77 ± 1.86	98.91	1.71	24.6 ± 54.5
16D26146	5.0 %	0.1681780	0.604	0.482064	46.193	0.804180	2.808	30.89237	0.107	6336.38	0.004	203.50304 ± 0.43428	506.46 ± 0.94	99.21	4.44	27.6 ± 25.5
16D26147	5.3 %	0.0678179	1.151	0.508028	42.931	0.380985	6.438	15.08136	0.175	3077.82	0.007	202.75641 ± 0.71049	504.84 ± 1.54	99.35	2.17	12.8 ± 11.0
16D26148	5.7 %	0.0628319	1.214	0.328649	66.348	0.371966	6.560	15.21007	0.187	3115.80	0.007	203.63202 ± 0.76209	506.74 ± 1.65	99.40	2.18	19.9 ± 26.4
16D26149	6.0 %	0.1160761	0.759	0.475126	48.276	0.553619	4.429	22.42301	0.130	4580.99	0.005	202.77052 ± 0.52693	504.87 ± 1.14	99.25	3.22	20.3 ± 19.6
16D26151	6.4 %	0.0978527	0.916	0.481042	44.025	0.640561	3.600	25.36965	0.120	5177.08	0.004	202.92707 ± 0.48671	505.21 ± 1.06	99.44	3.64	22.7 ± 20.0
16D26152	6.8 %	0.0778332	1.007	0.484069	45.244	0.603375	4.101	24.40855	0.121	4976.22	0.005	202.83086 ± 0.49183	505.22 ± 1.07	99.54	3.51	21.7 ± 19.8
16D26153	7.2 %	0.0763130	1.041	0.513672	45.916	0.637637	3.708	25.66777	0.120	5240.24	0.005	203.27918 ± 0.48832	505.98 ± 1.06	99.57	3.69	21.5 ± 19.7
16D26154	7.6 %	0.0676778	1.001	0.812508	27.400	0.728821	3.282	29.88706	0.103	6091.75	0.004	202.96149 ± 0.42027	505.29 ± 0.91	99.57	4.29	15.8 ± 8.7
16D26155	8.0 %	0.0854384	0.994	0.263642	88.866	0.630479	3.705	25.76657	0.118	5242.56	0.005	202.48272 ± 0.47947	504.25 ± 1.04	99.52	3.70	42.0 ± 74.7
16D26157	8.5 %	0.0715698	0.895	0.476156	47.901	0.705189	3.287	27.22037	0.112	5544.75	0.004	202.92205 ± 0.45492	505.20 ± 0.99	99.62	3.91	24.6 ± 23.5
16D26158	9.0 %	0.0603545	1.325	0.430844	50.864	0.618020	3.748	25.21141	0.117	5137.90	0.005	203.08589 ± 0.47550	505.56 ± 1.03	99.65	3.62	25.2 ± 25.6
16D26159	9.5 %	0.0715881	1.207	0.444847	48.935	0.690944	3.326	28.05220	0.112	5705.57	0.004	202.63727 ± 0.45294	504.58 ± 0.98	99.63	4.03	21.7 ± 26.5
16D26160	10.0 %	0.1367322	0.728	0.684576	30.938	0.782421	3.083	30.13656	0.108	6156.56	0.004	202.94970 ± 0.43997	505.26 ± 0.96	99.34	4.33	18.9 ± 11.7
16D26162	10.5 %	0.0742100	1.124	0.657779	32.718	0.807421	2.939	32.85037	0.099	6683.80	0.004	202.79554 ± 0.40183	504.93 ± 0.87	99.67	4.72	21.5 ± 14.1
16D26163	11.0 %	0.0983347	0.909	0.734066	29.806	0.845834	2.787	35.41470	0.087	7216.01	0.004	202.93626 ± 0.39564	505.24 ± 0.86	99.60	5.09	20.7 ± 12.4
16D26164	11.5 %	0.0781730	1.072	0.879632	23.636	0.840576	2.691	33.30073	0.101	6769.20	0.004	202.58364 ± 0.41129	504.47 ± 0.89	99.66	4.78	16.3 ± 7.7
16D26165	12.0 %	0.1019711	0.922	0.655884	33.074	0.969619	2.485	39.96366	0.090	8120.54	0.003	202.44450 ± 0.36687	504.16 ± 0.80	99.63	5.74	26.2 ± 17.3
16D26167	12.5 %	0.1173356	0.825	0.771544	28.622	1.207540	1.913	49.78837	0.082	10134.67	0.003	202.85876 ± 0.33434	505.06 ± 0.73	99.66	7.15	27.7 ± 15.9
16D26168	13.0 %	0.0809079	1.100	0.452334	49.215	0.790057	3.106	33.72906	0.099	6859.61	0.004	202.66459 ± 0.40123	504.64 ± 0.87	99.65	4.84	32.1 ± 31.6
16D26169	13.5 %	0.1183598	0.836	0.429103	53.140	1.208868	1.986	50.51948	0.083	10277.01	0.003	202.73304 ± 0.33523	504.79 ± 0.73	99.66	7.26	50.6 ± 53.8
16D26171	14.0 %	0.0477329	1.603	0.361751	63.250	0.539410	4.377	21.67638	0.130	4405.34	0.005	202.58219 ± 0.52948	504.46 ± 1.15	99.68	3.11	25.8 ± 32.6

Σ 3.4778470 0.155 18.683942 8.516 17.502650 0.982 696.21983 0.029 142109.00 0.001

Information on Analysis and Constants Used in Calculations		Results								
		40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%.n)	K/Ca ± 2σ
Sample = MB04-3		Age Equations = Min et al. (2000)		Age Plateau		202.86661 ± 0.10743 ± 0.05%		505.08 ± 1.01 ± 0.20%	1.30 99.61	0.6 ± 0.5
Material = Biotite		Negative Intensities = Allowed				Full External Error ± 10.74		9%	43	
Location = South Shetlands Islands		Decay 40K = 5.530 ± 0.048 E-10 1/a				Analytical Error ± 0.23		1.1397	2σ Confidence Limit	Error Magnification
Analyst = Dan Miggins		Decay 39Ar = 2.940 ± 0.016 E-07 1/h		Total Fusion Age		202.64160 ± 0.11746 ± 0.06%		504.59 ± 1.02 ± 0.20%	52	16.0 ± 2.7
Project = ANTARCTICA GAO (15-54)		Decay 37Ar = 8.230 ± 0.012 E-04 1/h				Full External Error ± 10.73				
Mass Discrimination Law = LIN		Decay 36Cl = 2.257 ± 0.015 E-06 1/a				Analytical Error ± 0.26				
Irradiation = 18-OSU-03 (3C10-16)		Decay 40K(EC,β ⁺) = 0.580 ± 0.009 E-10 1/a		Normal Isochron		345.02 ± 42.15 ± 12.22%		202.73205 ± 0.17173 ± 0.08%	504.79 ± 1.05 ± 0.21%	1.08 99.61
J = 0.00158831 ± 0.00000178		Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a				Full External Error ± 10.74		1.44	2σ Confidence Limit	
FCT-NM = 28.201 ± 0.023 Ma		Atmospheric 40/36(a) = 295.50				Analytical Error ± 0.37		1.0378	Error Magnification	
IGSN = Undefined		Atmospheric 38/36(a) = 0.1889						1	Number of Iterations	
Preferred Age = Undefined		Production 39/37(ca) = 0.000076 ± 0.000009		Inverse Isochron		364.76 ± 38.95 ± 10.68%		202.63631 ± 0.16895 ± 0.08%	504.58 ± 1.05 ± 0.21%	1.04 99.61
Classification = Undefined		Production 38/37(ca) = 0.000072 ± 0.000009				Full External Error ± 10.73		40%	43	
Experiment Type = Incremental Heating		Production 36/37(ca) = 0.000266 ± 0.000000				Analytical Error ± 0.37		1.0214	2σ Confidence Limit	
Extraction Method = Undefined		Production 40/39(k) = 0.003823 ± 0.000102						3	Error Magnification	
Heating = 77 sec		Production 38/39(k) = 0.012031 ± 0.000019						0.000000175	Convergence	
Isolation = 1.50 min		Production 36/38(cl) = 262.80 ± 1.71						16%	Spreading Factor	
Instrument = ARGUS-VI-D		Scaling Ratio K/Ca = 0.430								
Lithology = Undefined		Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04								
Lat-Lon = Undefined - Undefined		Atomic Weight K = 39.0983 ± 0.0001 g								
Collector Calibrations = 36Ar										

Decaying Patterns		36Ar(a)		36Ar(c)		36Ar(ca)		36Ar(cl)		37Ar(ca)		38Ar(a)		38Ar(c)		38Ar(k)		38Ar(ca)		38Ar(cl)		39Ar(k)		39Ar(ca)		40Ar(r)		40Ar(a)		40Ar(c)		40Ar(k)	
		[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ	[fA]	%1σ		
16D26108	0.3 %	0.1886481	0.52	0.0000000	0.00	0.0000115	533.45	0.0000036	115.61	0.043198	533.45	0.0352583	0.52	0.0000000	0.00	0.0122355	2.51	0.0000031	533.61	0.0207255	115.61	1.01700	2.50	0.0000292	533.46	90.73	0.39	55.7455	0.52	0.0000000	0.00	0.0038880	3.65
16D26109	0.4 %	0.0383405	1.58	0.0000000	0.00	0.0000052	1146.16	0.0000000	0.00	0.019401	1146.16	0.0071658	1.58	0.0000000	0.00	0.0036899	7.93	0.0000014	1146.23	0.0000000	0.00	0.30670	7.93	0.0000131	1146.16	40.03	0.69	11.3296	1.58	0.0000000	0.00	0.0011725	8.37
16D26110	0.5 %	0.0148359	3.76	0.0000000	0.00	0.0000300	194.32	0.0000000	0.00	0.112511	194.32	0.0027728	3.76	0.0000000	0.00	0.0017163	17.08	0.0000081	194.74	0.0000000	0.00	0.14265	17.08	0.0000760	194.32	17.75	1.50	4.3840	3.76	0.0000000	0.00	0.0005454	17.29
16D26111	0.6 %	0.0159764	3.48	0.0000000	0.00	0.0000328	181.35	0.0000000	0.00	0.123135	181.35	0.0029860	3.48	0.0000000	0.00	0.0014893	20.57	0.0000088	181.81	0.0000000	0.00	0.12379	20.57	0.0000832	181.36	17.32	1.53	4.7210	3.48	0.0000000	0.00	0.0004732	20.74
16D26113	0.7 %	0.0154595	3.61	0.0000000	0.00	0.0000007	8335.43	0.0000000	0.00	0.002571	8335.43	0.0028894	3.61	0.0000000	0.00	0.0014727	19.87	0.0000002	8335.44	0.0000000	0.00	0.12241	19.87	0.0000017	8335.43	23.05	1.15	4.5683	3.61	0.0000000	0.00	0.0004680	20.05
16D26114	0.8 %	0.0205352	2.77	0.0000000	0.00	0.0000379	150.17	0.0000028	152.10	0.142227	150.17	0.0038380	2.77	0.0000000	0.00	0.0027779	10.79	0.0000102	150.71	0.0160473	152.11	0.23090	10.79	0.0000961	150.17	35.97	0.74	6.0682	2.77	0.0000000	0.00	0.0008827	11.11
16D26115	0.9 %	0.0174932	3.26	0.0000000	0.00	0.0000392	151.60	0.0000021	193.23	0.147240	151.60	0.0032695	3.26	0.0000000	0.00	0.0020350	14.26	0.0000106	152.14	0.0122238	193.23	0.16915	14.26	0.0000995	151.61	29.34	0.91	5.1692	3.26	0.0000000	0.00	0.0006466	14.51
16D26116	1.0 %	0.0225409	2.60	0.0000000	0.00	0.0000616	98.35	0.0000000	0.00	0.231136	98.35	0.0042129	2.60	0.0000000	0.00	0.0030019	9.46	0.0000166	99.18	0.0000000	0.00	0.24951	9.46	0.0001562	98.36	44.85	0.60	6.6608	2.60	0.0000000	0.00	0.0009539	9.83
16D26118	1.1 %	0.0247213	2.35	0.0000000	0.00	0.0001156	48.31	0.0000049	89.92	0.433958	48.31	0.0046204	2.35	0.0000000	0.00	0.0042966	6.72	0.0000312	49.98	0.0282865	89.92	0.35713	6.72	0.0002932	48.33	62.41	0.43	7.3051	2.35	0.0000000	0.00	0.0013653	7.23
16D26119	1.2 %	✓ 0.0185147	3.08	0.0000000	0.00	0.0000616	92.81	0.0000006	719.87	0.231137	92.81	0.0034604	3.08	0.0000000	0.00	0.0023032	12.80	0.0000166	93.69	0.0033241	719.87	0.19144	12.80	0.0001562	92.81	41.41	0.65	5.4711	3.08	0.0000000	0.00	0.0007319	13.08
16D26120	1.3 %	✓ 0.0248546	2.32	0.0000000	0.00	0.0001227	48.78	0.0000000	0.00	0.460803	48.78	0.0046453	2.32	0.0000000	0.00	0.0042262	7.03	0.0000331	50.44	0.0000000	0.00	0.35127	7.03	0.0003113	48.80	65.58	0.41	7.3445	2.32	0.0000000	0.00	0.0013429	7.51
16D26121	1.4 %	✓ 0.0222676	2.55	0.0000000	0.00	0.0000799	73.91	0.0000000	0.00	0.300138	73.91	0.0041618	2.55	0.0000000	0.00	0.0041716	7.29	0.0000215	75.01	0.0000000	0.00	0.34673	7.29	0.0002028	73.92	69.66	0.38	6.5801	2.55	0.0000000	0.00	0.0013256	7.76
16D26122	1.5 %	✓ 0.0314847	1.90	0.0000000	0.00	0.0000937	62.92	0.0000000	0.00	0.351878	62.92	0.0058845	1.90	0.0000000	0.00	0.0073221	3.91	0.0000253	64.21	0.0000000	0.00	0.60860	3.91	0.0002377	62.94	116.50	0.23	9.3037	1.90	0.0000000	0.00	0.0023267	4.73
16D26124	1.6 %	✓ 0.0287185	2.06	0.0000000	0.00	0.0000837	69.15	0.0000022	193.52	0.314228	69.15	0.0053675	2.06	0.0000000	0.00	0.0063977	4.45	0.0000226	70.33	0.0126225	193.53	0.53177	4.44	0.0000123	69.16	112.53	0.24	8.4863	2.06	0.0000000	0.00	0.0020329	5.18
16D26125	1.7 %	✓ 0.0433089	1.43	0.0000000	0.00	0.0000817	68.89	0.0000002	2423.74	0.306751	68.89	0.0080944	1.43	0.0000000	0.00	0.0123571	2.40	0.0000220	70.07	0.0009665	2423.74	1.02710	2.40	0.0000272	68.90	201.37	0.14	12.7978	1.43	0.0000000	0.00	0.0039266	3.58
16D26126	1.8 %	✓ 0.0329776	1.83	0.0000000	0.00	0.0000271	217.08	0.0000029	150.18	0.101929	217.08	0.0061635	1.83	0.0000000	0.00	0.0080848	3.36	0.0000173	217.46	0.0164231	150.19	0.73559	3.36	0.0000089	217.08	152.74	0.18	9.7449	1.83	0.0000000	0.00	0.0028121	4.28
16D26127	1.9 %	✓ 0.0477834	1.37	0.0000000	0.00	0.0001123	54.37	0.0000026	147.45	0.421558	54.37	0.0089307	1.37	0.0000000	0.00	0.0140125	2.11	0.0000303	55.86	0.0157170	147.45	1.16470	2.11	0.0002848	54.38	232.85	0.12	14.1200	1.37	0.0000000	0.00	0.0044526	3.39
16D26129	2.0 %	✓ 0.0428600	1.43	0.0000000	0.00	0.0000529	114.40	0.0000042	95.64	0.198806	114.40	0.0080105	1.43	0.0000000	0.00	0.0141365	2.04	0.0000143	115.12	0.0241902	95.64	1.17500	2.03	0.0001343	114.41	236.74	0.12	12.6651	1.43	0.0000000	0.00	0.0044920	3.35
16D26130	2.1 %	✓ 0.0476572	1.34	0.0000000	0.00	0.0001173	47.48	0.0000032	124.03	0.440546	47.48	0.0080971	1.34	0.0000000	0.00	0.0166300	1.72	0.0000316	49.18	0.0183648	124.03	1.38226	1.71	0.0002976	47.50	278.50	0.10	14.0827	1.34	0.0000000	0.00	0.0052844	3.16
16D26131	2.2 %	✓ 0.0565526	1.19	0.0000000	0.00	0.0000345	157.16	0.0000079	53.84	0.129726	157.16	0.0105697	1.19	0.0000000	0.00	0.0190403	1.59	0.0000093	157.68	0.0455862	53.85	1.58260	1.58	0.0000876	157.16	326.82	0.09	16.7113	1.19	0.0000000	0.00	0.0060503	3.09
16D26132	2.3 %	✓ 0.0592190	1.12	0.0000000	0.00	0.0000811	70.45	0.0000040	101.06	0.304537	70.45	0.0110680	1.12	0.0000000	0.00	0.0219540	1.34	0.0000219	71.61	0.0231498	101.07	1.82479	1.34	0.0002057	70.46	376.53	0.08	17.4992	1.12	0.0000000	0.00	0.0069762	2.98
16D26134	2.4 %	✓ 0.0657012	1.01	0.0000000	0.00	0.0000982	58.27	0.0000065	64.03	0.368852	58.27	0.0122796	1.01	0.0000000	0.00	0.0271166	1.05	0.0000265	59.66	0.0376572	64.03	2.25390	1.03	0.0002492	58.28	462.94	0.06	19.4147	1.01	0.0000000	0.00	0.0086166	2.85
16D26135	2.6 %	✓ 0.0662156	1.04	0.0000000	0.00	0.0000443	132.32	0.0000098	40.78	0.166393	132.32	0.0123757	1.04	0.0000000	0.00	0.0342650	0.86	0.0000119	132.94	0.0563584	40.80	2.84806	0.85	0.0001124	132.33	584.28	0.05	19.5667	1.04	0.0000000	0.00	0.0108881	2.79
16D26136	2.8 %	✓ 0.0967969	0.79	0.0000000	0.00	0.0001002	59.67	0.0000122	34.32	0.376191	59.67	0.0180913	0.79	0.0000000	0.00	0.0492396	0.63	0.0000270	61.04	0.0700102	34.34	4.09273	0.61	0.0002542	59.69	837.21	0.04	28.6035	0.79	0.0000000	0.00	0.0156465	2.73
16D26137	3.0 %	✓ 0.0737482	0.96	0.0000000	0.00	0.0000915	64.47	0.0000120	35.31	0.343580	64.47	0.0137835	0.96	0.0000000	0.00	0.0519044	0.59	0.0000247	65.73	0.0693020	35.32	4.31422	0.57	0.0002321	64.48	883.54	0.03	21.7926	0.96	0.0000000	0.00	0.0164933	2.72
16D26138	3.2 %	✓ 0.0637838	1.09	0.0000000	0.00	0.0001243																											

Additional Parameters										
	40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D26108	0.3 %	144.024778	3.608336	0.042475	0.226586	0.185504	0.004738	106.824	8.268457	7.031E-12
16D26109	0.4 %	167.445538	13.298693	0.063254	0.725009	0.125022	0.010110	106.830	8.269478	2.465E-12
16D26110	0.5 %	155.072519	26.512486	0.788277	1.537644	0.104153	0.018200	106.836	8.270499	1.062E-12
16D26111	0.6 %	178.170687	36.704209	0.995384	1.816748	0.128882	0.026896	106.842	8.271407	1.00075504
16D26113	0.7 %	225.639915	44.875205	0.021001	1.750488	0.126298	0.025506	106.853	8.273336	1.00075513
16D26114	0.8 %	181.978334	19.643275	0.615720	0.926983	0.089076	0.009912	106.860	8.274357	1.00075517
16D26115	0.9 %	203.881413	29.089155	0.869975	1.324694	0.103604	0.015145	106.865	8.275265	1.00075521
16D26116	1.0 %	206.310859	19.525944	0.925774	0.914674	0.090530	0.008873	106.872	8.276287	1.00075525
16D26118	1.1 %	195.064014	13.106235	1.214139	0.592193	0.069503	0.004937	106.883	8.278217	1.00075534
16D26119	1.2 %	✓ 244.700060	31.323909	1.206372	1.130166	0.096958	0.012753	106.889	8.279125	1.00075538
16D26120	1.3 %	✓ 207.414785	14.572405	1.310651	0.645926	0.071042	0.005247	106.895	8.280147	1.00075542
16D26121	1.4 %	✓ 219.742494	16.018910	0.865108	0.642482	0.064414	0.004966	106.901	8.281056	1.00075546
16D26122	1.5 %	✓ 206.632126	8.083182	0.577948	0.364356	0.051866	0.002251	106.907	8.282078	1.00075550
16D26124	1.6 %	✓ 227.481658	10.110092	0.590677	0.409298	0.054146	0.002647	106.919	8.284010	1.00075559
16D26125	1.7 %	✓ 208.473976	4.999058	0.298597	0.205819	0.042237	0.001176	106.925	8.285033	1.00075563
16D26126	1.8 %	✓ 220.870096	7.419158	0.138556	0.300809	0.044868	0.001712	106.931	8.285942	1.00075567
16D26127	1.9 %	✓ 211.999679	4.472773	0.361858	0.196878	0.041115	0.001031	106.937	8.286965	1.00075571
16D26129	2.0 %	✓ 212.239705	4.311160	0.169177	0.193573	0.036521	0.000904	106.949	8.288897	1.00075580
16D26130	2.1 %	✓ 211.626361	3.619816	0.318645	0.151401	0.034557	0.000748	106.954	8.289807	1.00075584
16D26131	2.2 %	✓ 217.060846	3.431245	0.081965	0.128823	0.035759	0.000705	106.960	8.290830	1.00075588
16D26132	2.3 %	✓ 215.909674	2.885210	0.166870	0.117578	0.032495	0.000565	106.966	8.291740	1.00075592
16D26134	2.4 %	✓ 213.991127	2.213785	0.163633	0.095362	0.029193	0.000421	106.978	8.293674	1.00075600
16D26135	2.6 %	✓ 212.014997	1.794585	0.058421	0.077305	0.023267	0.000312	106.984	8.294698	1.00075605
16D26136	2.8 %	✓ 211.540746	1.284929	0.091911	0.054850	0.023677	0.000235	106.990	8.295722	1.00075609
16D26137	3.0 %	✓ 209.841937	1.194124	0.079635	0.051342	0.017117	0.000191	106.996	8.296632	1.00075613
16D26138	3.2 %	✓ 206.635693	1.229391	0.113336	0.054792	0.015520	0.000192	107.002	8.297657	1.00075617
16D26140	3.4 %	✓ 208.991060	1.310924	0.021568	0.055867	0.014519	0.000187	107.014	8.299592	1.00075626
16D26141	3.7 %	✓ 206.346138	0.472016	0.039323	0.019689	0.010419	0.000079	107.019	8.300502	1.00075630
16D26142	4.0 %	✓ 205.889758	0.617960	0.016669	0.027192	0.008858	0.000094	107.026	8.301527	1.00075634
16D26143	4.3 %	✓ 205.904134	0.750283	0.026849	0.030775	0.008472	0.000101	107.031	8.302438	1.00075638
16D26144	4.7 %	✓ 205.429343	0.431603	0.017512	0.019427	0.007593	0.000067	107.037	8.303463	1.00075642
16D26146	5.0 %	✓ 205.111522	0.218630	0.015605	0.007208	0.005444	0.000033	107.049	8.305400	1.00075651
16D26147	5.3 %	✓ 204.081132	0.357217	0.033686	0.014462	0.004497	0.000052	107.055	8.306311	1.00075655
16D26148	5.7 %	✓ 204.851260	0.383018	0.021607	0.014336	0.004131	0.000051	107.061	8.307337	1.00075659
16D26149	6.0 %	✓ 204.298869	0.265180	0.021189	0.010229	0.005177	0.000040	107.067	8.308362	1.00075664
16D26151	6.4 %	✓ 204.065924	0.245997	0.018961	0.008348	0.003857	0.000036	107.079	8.310300	1.00075672
16D26152	6.8 %	✓ 203.872066	0.246863	0.019832	0.008973	0.003189	0.000032	107.085	8.311212	1.00075676
16D26153	7.2 %	✓ 204.156607	0.245031	0.020012	0.009189	0.002973	0.000031	107.091	8.312238	1.00075680
16D26154	7.6 %	✓ 203.825729	0.210840	0.027186	0.007449	0.002934	0.000030	107.097	8.313150	1.00075684
16D26155	8.0 %	✓ 203.463571	0.240689	0.010232	0.009093	0.003316	0.000033	107.103	8.314176	1.00075689
16D26157	8.5 %	✓ 203.698359	0.228162	0.017493	0.008379	0.002629	0.000029	107.115	8.316115	1.00075697
16D26158	9.0 %	✓ 203.792810	0.238386	0.017093	0.008694	0.002394	0.000032	107.120	8.317028	1.00075701
16D26159	9.5 %	✓ 203.391158	0.227121	0.015858	0.007760	0.002552	0.000031	107.126	8.318055	1.00075705
16D26160	10.0 %	✓ 204.288660	0.221212	0.022716	0.007028	0.004537	0.000033	107.133	8.319082	1.00075710
16D26162	10.5 %	✓ 203.461960	0.201426	0.020023	0.006551	0.002259	0.000025	107.144	8.321022	1.00075718
16D26163	11.0 %	✓ 203.757527	0.198469	0.020728	0.006178	0.002777	0.000025	107.150	8.321935	1.00075722
16D26164	11.5 %	✓ 203.274789	0.206206	0.026415	0.006244	0.002347	0.000025	107.156	8.322962	1.00075726
16D26165	12.0 %	✓ 203.198176	0.183979	0.016412	0.005428	0.002552	0.000024	107.162	8.323876	1.00075730
16D26167	12.5 %	✓ 203.555035	0.167642	0.015496	0.004435	0.002357	0.000020	107.174	8.325817	1.00075739
16D26168	13.0 %	✓ 203.373792	0.201159	0.013411	0.006600	0.002399	0.000026	107.180	8.326845	1.00075743
16D26169	13.5 %	✓ 203.426751	0.168086	0.008494	0.004514	0.002343	0.000020	107.185	8.327759	1.00075747
16D26171	14.0 %	✓ 203.232482	0.265374	0.016689	0.010556	0.002202	0.000035	107.197	8.329701	1.00075755

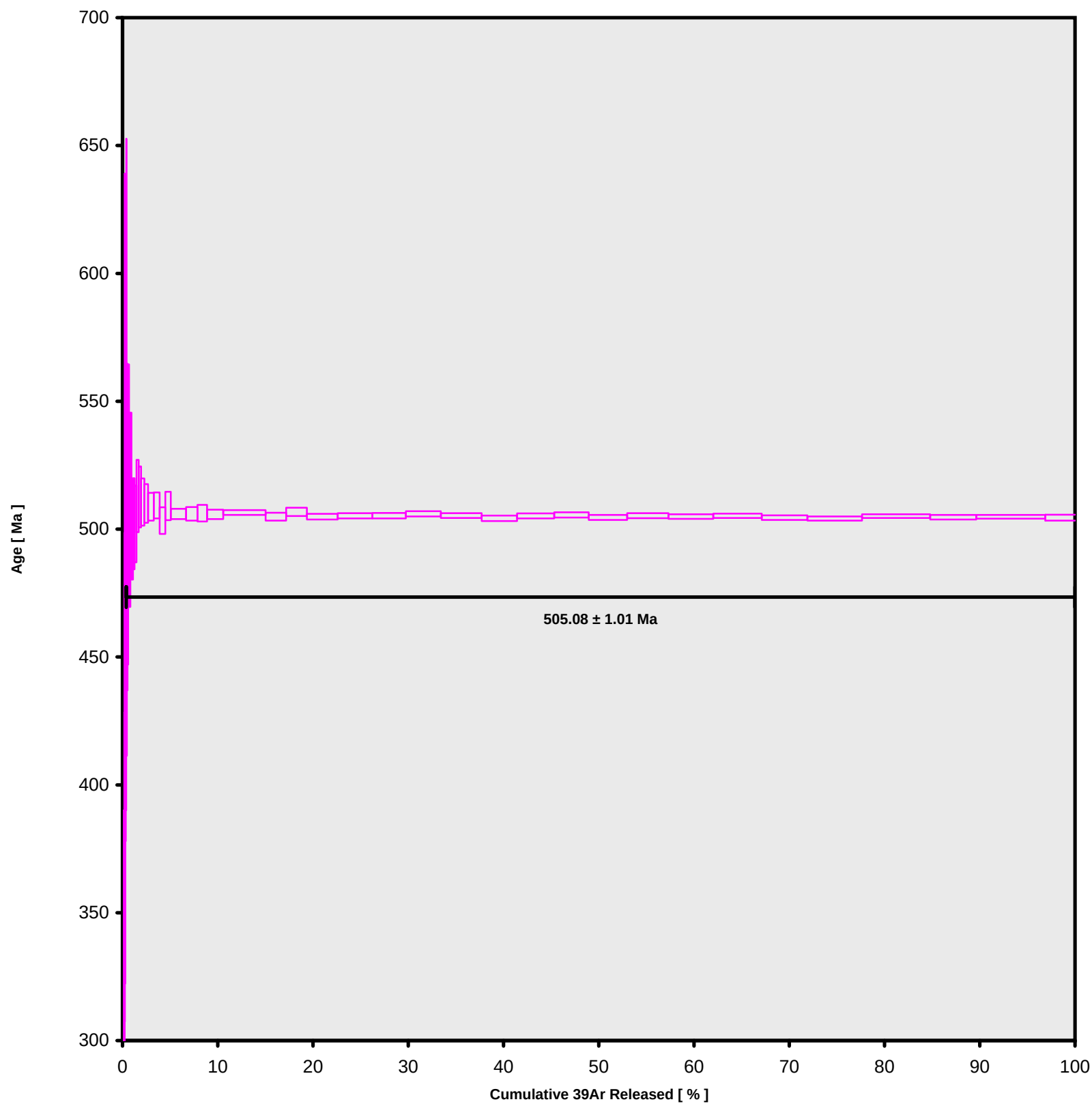
Procedure Blanks		36Ar [fA]	1σ	37Ar [fA]	1σ	38Ar [fA]	1σ	39Ar [fA]	1σ	40Ar [fA]	1σ
16D26108	0.3 %	0.0030294	0.0004711	0.0085852	0.0183064	0.0482739	0.0163389	0.0056606	0.0181931	1.3383056	0.2073498
16D26109	0.4 %	0.0029340	0.0004711	0.0036890	0.0183064	0.0463665	0.0163389	0.0000286	0.0181931	1.2897296	0.2073498
16D26110	0.5 %	0.0028520	0.0004711	0.0005058	0.0183064	0.0447198	0.0163389	0.0049380	0.0181931	1.2435075	0.2073498
16D26111	0.6 %	0.0027898	0.0004711	0.0036862	0.0183064	0.0434626	0.0163389	0.0086900	0.0181931	1.2043973	0.2073498
16D26113	0.7 %	0.0026874	0.0004711	0.0088908	0.0183064	0.0413862	0.0163389	0.0149193	0.0181931	1.1274633	0.2073498
16D26114	0.8 %	0.0026480	0.0004711	0.0108752	0.0183064	0.0405881	0.0163389	0.0173465	0.0181931	1.0901336	0.2073498
16D26115	0.9 %	0.0026208	0.0004711	0.0122383	0.0183064	0.0400385	0.0163389	0.0190481	0.0181931	1.0589278	0.2073498
16D26116	1.0 %	0.0025981	0.0004711	0.0133599	0.0183064	0.0395876	0.0163389	0.0204908	0.0181931	1.0260442	0.2073498
16D26118	1.1 %	0.0025754	0.0004711	0.0144300	0.0183064	0.0391731	0.0163389	0.0220041	0.0181931	0.9703532	0.2073498
16D26119	1.2 %	0.0025727	0.0004711	0.0145203	0.0183064	0.0391557	0.0163389	0.0222331	0.0181931	0.9470517	0.2073498
16D26120	1.3 %	0.0025750	0.0004711	0.0143502	0.0183064	0.0392571	0.0163389	0.0221689	0.0181931	0.9230606	0.2073498
16D26121	1.4 %	0.0025812	0.0004711	0.0139855	0.0183064	0.0394452	0.0163389	0.0218555	0.0181931	0.9037113	0.2073498
16D26122	1.5 %	0.0025922	0.0004711	0.0133662	0.0183064	0.0397563	0.0163389	0.0212482	0.0181931	0.8841664	0.2073498
16D26124	1.6 %	0.0026228	0.0004711	0.0117040	0.0183064	0.0405922	0.0163389	0.0194857	0.0181931	0.8536705	0.2073498
16D26125	1.7 %	0.0026431	0.0004711	0.0106209	0.0183064	0.0411454	0.0163389	0.0182891	0.0181931	0.8409257	0.2073498
16D26126	1.8 %	0.0026630	0.0004711	0.0095707	0.0183064	0.0416904	0.0163389	0.0171056	0.0181931	0.8315731	0.2073498
16D26127	1.9 %	0.0026870	0.0004711	0.0083153	0.0183064	0.0423540	0.0163389	0.0156663	0.0181931	0.8232744	0.2073498
16D26129	2.0 %	0.0027353	0.0004711	0.0058177	0.0183064	0.0437201	0.0163389	0.0127314	0.0181931	0.8140215	0.2073498
16D26130	2.1 %	0.0027588	0.0004711	0.0046216	0.0183064	0.0443993	0.0163389	0.0112929	0.0181931	0.8125732	0.2073498
16D26131	2.2 %	0.0027854	0.0004711	0.0032860	0.0183064	0.0451807	0.0163389	0.0096595	0.0181931	0.8131670	0.2073498
16D26132	2.3 %	0.0028088	0.0004711	0.0021232	0.0183064	0.0458839	0.0163389	0.0082117	0.0181931	0.8156709	0.2073498
16D26134	2.4 %	0.0028571	0.0004711	0.0002119	0.0183064	0.0473785	0.0163389	0.0052158	0.0181931	0.8271669	0.2073498
16D26135	2.6 %	0.0028813	0.0004711	0.0013434	0.0183064	0.0481559	0.0163389	0.0037085	0.0181931	0.8366531	0.2073498
16D26136	2.8 %	0.0029044	0.0004711	0.0023837	0.0183064	0.0489143	0.0163389	0.0022778	0.0181931	0.8484932	0.2073498
16D26137	3.0 %	0.0029237	0.0004711	0.0032216	0.0183064	0.0495669	0.0163389	0.0010827	0.0181931	0.8609937	0.2073498
16D26138	3.2 %	0.0029439	0.0004711	0.0040562	0.0183064	0.0502710	0.0163389	0.0001633	0.0181931	0.8772800	0.2073498
16D26140	3.4 %	0.0029775	0.0004711	0.0052883	0.0183064	0.0514929	0.0163389	0.0021910	0.0181931	0.9144652	0.2073498
16D26141	3.7 %	0.0029910	0.0004711	0.0057004	0.0183064	0.0520102	0.0163389	0.0029822	0.0181931	0.9348701	0.2073498
16D26142	4.0 %	0.0030045	0.0004711	0.0060288	0.0183064	0.0525418	0.0163389	0.0037376	0.0181931	0.9600488	0.2073498
16D26143	4.3 %	0.0030149	0.0004711	0.0061974	0.0183064	0.0529657	0.0163389	0.0042843	0.0181931	0.9844059	0.2073498
16D26144	4.7 %	0.0030248	0.0004711	0.0062457	0.0183064	0.0533838	0.0163389	0.0047545	0.0181931	1.0140308	0.2073498
16D26146	5.0 %	0.0030387	0.0004711	0.0059262	0.0183064	0.0539895	0.0163389	0.0052127	0.0181931	1.0764111	0.2073498
16D26147	5.3 %	0.0030431	0.0004711	0.0055914	0.0183064	0.0541855	0.0163389	0.0052316	0.0181931	1.1086726	0.2073498
16D26148	5.7 %	0.0030467	0.0004711	0.0050770	0.0183064	0.0543340	0.0163389	0.0051027	0.0181931	1.1471898	0.2073498
16D26149	6.0 %	0.0030489	0.0004711	0.0044209	0.0183064	0.0544035	0.0163389	0.0048170	0.0181931	1.1880610	0.2073498
16D26151	6.4 %	0.0030501	0.0004711	0.0028181	0.0183064	0.0543104	0.0163389	0.0038634	0.0181931	1.2716843	0.2073498
16D26152	6.8 %	0.0030497	0.0004711	0.0019119	0.0183064	0.0541620	0.0163389	0.0032365	0.0181931	1.3139425	0.2073498
16D26153	7.2 %	0.0030488	0.0004711	0.0007883	0.0183064	0.0539131	0.0163389	0.0024039	0.0181931	1.3637060	0.2073498
16D26154	7.6 %	0.0030480	0.0004711	0.0002941	0.0183064	0.0536180	0.0163389	0.0015581	0.0181931	1.4099163	0.2073498
16D26155	8.0 %	0.0030472	0.0004711	0.0015938	0.0183064	0.0532022	0.0163389	0.0004973	0.0181931	1.4641261	0.2073498
16D26157	8.5 %	0.0030477	0.0004711	0.0042341	0.0183064	0.0521732	0.0163389	0.0017780	0.0181931	1.5729445	0.2073498
16D26158	9.0 %	0.0030494	0.0004711	0.0055343	0.0183064	0.0515785	0.0163389	0.0029492	0.0181931	1.6270592	0.2073498
16D26159	9.5 %	0.0030530	0.0004711	0.0070192	0.0183064	0.0508256	0.0163389	0.0043244	0.0181931	1.6901614	0.2073498
16D26160	10.0 %	0.0030590	0.0004711	0.0085078	0.0183064	0.0499845	0.0163389	0.0057430	0.0181931	1.7556174	0.2073498
16D26162	10.5 %	0.0030784	0.0004711	0.0112514	0.0183064	0.0481595	0.0163389	0.0084708	0.0181931	1.8856788	0.2073498
16D26163	11.0 %	0.0030921	0.0004711	0.0124742	0.0183064	0.0471962	0.0163389	0.0097424	0.0181931	1.9497902	0.2073498
16D26164	11.5 %	0.0031118	0.0004711	0.0137670	0.0183064	0.0460352	0.0163389	0.0111359	0.0181931	2.0241386	0.2073498
16D26165	12.0 %	0.0031335	0.0004711	0.0148209	0.0183064	0.0449362	0.0163389	0.0123217	0.0181931	2.0922021	0.2073498
16D26167	12.5 %	0.0031964	0.0004711	0.0166661	0.0183064	0.0424012	0.0163389	0.0145870	0.0181931	2.2430125	0.2073498
16D26168	13.0 %	0.0032381	0.0004711	0.0173691	0.0183064	0.0409552	0.0163389	0.0155936	0.0181931	2.3262533	0.2073498
16D26169	13.5 %	0.0032825	0.0004711	0.0177999	0.0183064	0.0396133	0.0163389	0.0163438	0.0181931	2.4022212	0.2073498
16D26171	14.0 %	0.0034003	0.0004711	0.0179932	0.0183064	0.0365990	0.0163389	0.0173778	0.0181931	2.5698284	0.2073498

Intercept Values	36Ar				37Ar				38Ar				39Ar				40Ar				
	[fA]	1σ	r2		[fA]	1σ	r2		[fA]	1σ	r2		[fA]	1σ	r2		[fA]	1σ	r2		
16D26108	0.3 %	0.1832237	0.0006344	0.2362	EXP 150 of 150	0.013689	0.020155	0.0012	EXP 150 of 150	0.0188986	0.0170123	0.0012	EXP 150 of 150	1.00279	0.01746	0.0199	EXP 150 of 150	147.82	0.03	0.9985	EXP 150 of 150
16D26109	0.4 %	0.0395583	0.0003187	0.8132	EXP 150 of 150	0.005981	0.018841	0.0009	EXP 150 of 150	0.0398331	0.0163060	0.0000	EXP 149 of 150	0.30416	0.01584	0.2291	EXP 150 of 150	52.65	0.02	0.9996	EXP 150 of 150
16D26110	0.5 %	0.0170505	0.0002401	0.9076	EXP 150 of 150	0.012785	0.018216	0.0000	EXP 150 of 150	0.0550469	0.0157637	0.0090	EXP 150 of 150	0.14647	0.01590	0.1856	EXP 150 of 150	23.38	0.02	0.9998	EXP 150 of 150
16D26111	0.6 %	0.0180176	0.0002335	0.8965	EXP 150 of 150	0.018230	0.018988	0.0026	EXP 150 of 150	0.0601934	0.0164051	0.0060	EXP 150 of 150	0.13135	0.01750	0.1384	EXP 150 of 150	23.25	0.02	0.9997	EXP 150 of 150
16D26113	0.7 %	0.0174536	0.0002390	0.8982	EXP 150 of 150	0.008587	0.017467	0.0032	EXP 149 of 150	0.0653015	0.0187310	0.0042	EXP 150 of 150	0.13630	0.01584	0.2351	EXP 150 of 150	28.75	0.02	0.9996	EXP 150 of 150
16D26114	0.8 %	0.0223003	0.0002583	0.8654	EXP 149 of 150	0.005917	0.017342	0.0029	EXP 150 of 150	0.0182635	0.0176202	0.0021	EXP 150 of 150	0.24639	0.01670	0.1158	EXP 150 of 150	43.13	0.02	0.9995	EXP 150 of 150
16D26115	0.9 %	0.0193682	0.0002643	0.8603	EXP 150 of 150	0.005144	0.018955	0.0134	EXP 150 of 150	0.0227696	0.0165455	0.0011	EXP 149 of 150	0.18687	0.01553	0.2002	EXP 150 of 150	35.57	0.02	0.9995	EXP 150 of 150
16D26116	1.0 %	0.0241859	0.0002915	0.8099	EXP 150 of 150	0.013924	0.019618	0.0007	EXP 150 of 150	0.0378043	0.0165660	0.0007	EXP 150 of 150	0.26805	0.01473	0.1763	EXP 150 of 150	52.54	0.02	0.9993	EXP 150 of 150
16D26118	1.1 %	0.0263021	0.0002788	0.8091	EXP 150 of 150	0.036783	0.016643	0.0001	EXP 150 of 150	0.0025115	0.0189740	0.0114	EXP 150 of 150	0.37641	0.01533	0.0660	EXP 150 of 150	70.69	0.02	0.9989	EXP 150 of 150
16D26119	1.2 %	0.0203157	0.0002638	0.8242	EXP 150 of 150	0.012754	0.017481	0.0005	EXP 150 of 150	0.0301915	0.0169716	0.0000	EXP 149 of 150	0.21221	0.01612	0.1692	EXP 150 of 150	47.83	0.02	0.9992	EXP 150 of 150
16D26120	1.3 %	0.0264311	0.0002724	0.7928	EXP 150 of 150	0.040018	0.019189	0.0097	EXP 150 of 150	0.0358527	0.0175868	0.0007	EXP 150 of 150	0.37079	0.01637	0.0535	EXP 150 of 150	73.85	0.02	0.9987	EXP 150 of 150
16D26121	1.4 %	0.0239255	0.0002548	0.8449	EXP 148 of 150	0.021423	0.018700	0.0000	EXP 150 of 150	0.0431353	0.0157349	0.0021	EXP 150 of 150	0.36587	0.01723	0.0594	EXP 150 of 150	77.14	0.02	0.9984	EXP 150 of 150
16D26122	1.5 %	0.0327531	0.0003097	0.7731	EXP 150 of 150	0.028141	0.018627	0.0061	EXP 150 of 150	0.0492507	0.0171678	0.0060	EXP 150 of 150	0.62496	0.01502	0.0093	EXP 150 of 150	126.69	0.02	0.9955	EXP 150 of 150
16D26124	1.6 %	0.0301342	0.0002981	0.7717	EXP 150 of 150	0.025353	0.017931	0.0003	EXP 150 of 150	0.0165576	0.0176459	0.0089	EXP 150 of 150	0.54698	0.01475	0.0831	EXP 150 of 150	121.87	0.02	0.9939	EXP 150 of 150
16D26125	1.7 %	0.0440861	0.0003322	0.7474	EXP 149 of 150	0.025550	0.016904	0.0050	EXP 150 of 150	0.0200354	0.0162762	0.0013	EXP 150 of 150	1.03694	0.01626	0.0199	EXP 149 of 150	215.01	0.03	0.9326	EXP 150 of 150
16D26126	1.8 %	0.0341890	0.0003139	0.7315	EXP 149 of 150	0.002447	0.018586	0.0096	EXP 150 of 150	0.0107302	0.0179633	0.0017	EXP 150 of 150	0.74656	0.01638	0.0507	EXP 150 of 150	163.32	0.03	0.9582	EXP 150 of 150
16D26127	1.9 %	0.0484352	0.0003866	0.6718	EXP 150 of 150	0.041382	0.019871	0.0001	EXP 150 of 150	0.0047966	0.0147645	0.0030	EXP 149 of 150	1.17083	0.01617	0.0049	EXP 150 of 150	247.80	0.03	0.9871	EXP 150 of 150
16D26129	2.0 %	0.0437260	0.0003220	0.7101	EXP 150 of 150	0.017614	0.019582	0.0097	EXP 150 of 150	0.0019180	0.0158671	0.0001	EXP 150 of 150	1.17796	0.01509	0.0000	EXP 150 of 150	250.22	0.03	0.9909	EXP 150 of 150
16D26130	2.1 %	0.0483918	0.0003622	0.7021	EXP 150 of 150	0.047296	0.016510	0.0005	EXP 150 of 150	0.0011418	0.0153576	0.0007	EXP 150 of 150	1.38220	0.01473	0.0096	EXP 150 of 150	293.40	0.03	0.9963	EXP 150 of 150
16D26131	2.2 %	0.0568400	0.0004055	0.6244	EXP 150 of 150	0.012000	0.015557	0.0077	EXP 149 of 150	0.0288675	0.0177969	0.0150	EXP 150 of 150	1.57901	0.01681	0.0019	EXP 150 of 150	344.35	0.03	0.9977	EXP 150 of 150
16D26132	2.3 %	0.0594508	0.0003892	0.6854	EXP 149 of 150	0.033758	0.017430	0.0006	EXP 150 of 150	0.0094451	0.0162322	0.0047	EXP 150 of 150	1.81782	0.01586	0.0013	EXP 150 of 150	394.85	0.03	0.9986	EXP 150 of 150
16D26134	2.4 %	0.0657091	0.0003832	0.6920	EXP 150 of 150	0.043660	0.017487	0.0011	EXP 149 of 150	0.0285152	0.0172141	0.0000	EXP 150 of 150	2.24036	0.01416	0.0929	EXP 149 of 150	483.19	0.04	0.9993	EXP 150 of 150
16D26135	2.6 %	0.0661762	0.0004251	0.7331	EXP 150 of 150	0.020941	0.018366	0.0033	EXP 150 of 150	0.0532698	0.0156471	0.0153	EXP 150 of 150	2.82787	0.01537	0.2578	EXP 150 of 150	604.69	0.04	0.9996	EXP 150 of 150
16D26136	2.8 %	0.0954635	0.0004907	0.6645	EXP 150 of 150	0.046686	0.019073	0.0002	EXP 150 of 150	0.0863398	0.0170964	0.0081	EXP 150 of 150	4.06075	0.01640	0.4356	EXP 150 of 150	866.68	0.05	0.9997	EXP 150 of 150
16D26137	3.0 %	0.0734602	0.0004474	0.8294	EXP 150 of 150	0.043679	0.018579	0.0028	EXP 150 of 150	0.0833699	0.0176905	0.0064	EXP 150 of 150	4.27916	0.01591	0.4640	EXP 150 of 150	906.21	0.05	0.9997	EXP 150 of 150
16D26138	3.2 %	0.0639909	0.0004322	0.8413	EXP 150 of 150	0.059010	0.019250	0.0088	EXP 150 of 150	0.0555777	0.0181353	0.0051	EXP 150 of 150	4.08342	0.01585	0.4535	EXP 150 of 150	851.87	0.05	0.9997	EXP 150 of 150
16D26140	3.4 %	0.0582044	0.0003772	0.8762	EXP 150 of 150	0.015399	0.018728	0.0125	EXP 150 of 150	0.0669823	0.0173196	0.0008	EXP 150 of 150	3.94665	0.01658	0.3757	EXP 150 of 150	833.20	0.04	0.9997	EXP 150 of 150
16D26141	3.7 %	0.1153072	0.0005939	0.9208	EXP 150 of 150	0.057935	0.018678	0.0014	EXP 150 of 150	0.2422122	0.0175873	0.0007	EXP 150 of 150	11.18812	0.01645	0.8961	EXP 150 of 150	2329.81	0.07	0.9999	EXP 150 of 150
16D26142	4.0 %	0.0720107	0.0004918	0.9292	EXP 150 of 150	0.022029	0.018604	0.0048	EXP 150 of 150	0.1728265	0.0170259	0.0130	EXP 150 of 150	8.08407	0.01516	0.8403	EXP 150 of 150	1680.32	0.07	0.9999	EXP 150 of 150
16D26143	4.3 %	0.0602608	0.0004227	0.9425	EXP 150 of 150	0.028547	0.017921	0.0010	EXP 150 of 150	0.1422741	0.0175995	0.0057	EXP 150 of 150	7.01039	0.01734	0.7364	EXP 150 of 150	1457.62	0.06	0.9999	EXP 150 of 150
16D26144	4.7 %	0.0891701	0.0005242	0.9560	EXP 150 of 150	0.030720	0.020049	0.0005	EXP 150 of 150	0.2421767	0.0165658	0.0006	EXP 150 of 150	11.77346	0.01490	0.9199	EXP 150 of 150	2441.18	0.07	0.9999	EXP 150 of 150
16D26146	5.0 %	0.1636673	0.0007280	0.9831	EXP 150 of 150	0.062630	0.018733	0.0223	EXP 150 of 150	0.7378150	0.0150444	0.0370	EXP 150 of 150	30.62670	0.01842	0.9842	EXP 150 of 150	6337.46	0.15	1.0000	EXP 150 of 150
16D26147	5.3 %	0.0678167	0.0005504	0.9740	EXP 150 of 150	0.065343	0.017968	0.0070	EXP 150 of 150	0.3209369	0.0177784	0.0004	EXP 149 of 150	14.94897	0.01609	0.9423	EXP 150 of 150	3078.93	0.09	0.9999	EXP 150 of 150
16D26148	5.7 %	0.0630581	0.0005311	0.9771	EXP 150 of 150	0.043726	0.017956	0.0002	EXP 150 of 150	0.3119075	0.0176062	0.0002	EXP 150 of 150	15.07673	0.01917	0.9210	EXP 150 of 150	3116.95	0.09	0.9999	EXP 150 of 150
16D26149	6.0 %	0.1139145	0.0006291	0.9800	EXP 150 of 150	0.060289	0.019806	0.0013	EXP 150 of 150	0.4906963	0.0177610	0.0001	EXP 150 of 150	22.22913	0.01711	0.9728	EXP 150 of 150	4582.18	0.12	1.0000	EXP 150 of 150
16D26151	6.4 %	0.0965102	0.0006680	0.9838	EXP 150 of 150	0.059369	0.016872	0.0098	EXP 150 of 150	0.5763925	0.0157414	0.0210	EXP 150 of 150	25.15189	0.01793	0.9763	EXP 150 of 150	5178.35	0.11	1.0000	EXP 150 of 150
16D26152	6.8 %	0.0773890	0.0005454	0.9894	EXP 150 of 150	0.058812	0.018100	0.0014	EXP 150 of 150	0.5399276	0.0180544	0.0029	EXP 150 of 150	24.19951	0.01674	0.9757	EXP 150 of 150	4977.53	0.13	1.0000	EXP 150 of 150
16D26153	7.2 %	0.0759362	0.0005610	0.9899	EXP 150 of 150	0.061161	0.020815	0.0033	EXP 150 of 150	0.5739112	0.0165601	0.0084	EXP 149 of 150	25.44895	0.01813	0.9760	EXP 150 of 150	5241.61	0.12	1.0000	EXP 150 of 150
16D26154	7.6 %	0.0867900	0.0006555	0.9896	EXP 150 of 150	0.095190	0.018688	0.0000	EXP 150 of 150	0.6639869	0.0169329	0.0003	EXP 150 of 150	29.63351	0.01543	0.9870	EXP 150 of 150	6093.16	0.15	1.0000	EXP 150 of 150
16D26155	8.0 %	0.0846504	0.0006216	0.9884	EXP 150 of 150	0.029385	0.020561	0.0314	EXP 150 of 150	0.5675747	0.0161633	0.0053	EXP 150 of 150	25.54882	0.01751	0.9777	EXP 150 of 150	5244.02	0.13	1.0000	EXP 150 of 150
16D26157	8.5 %	0.0714047	0.0005513	0.9912	EXP 150 of 150	0.051703	0.019565	0.0250	EXP 150 of 150	0.6421631	0.0160079	0.0543	EXP 150 of 150	26.99264	0.01660	0.9820	EXP 149 of 150	5546.32	0.12	1.0000	EXP 150 of 150
16D26158	9.0 %	0.0606946	0.0005802	0.9898	EXP 150 of 150	0.045086	0.018104	0.0207	EXP 150 of 150	0.5569304	0.0158906	0.0007	EXP 150 of 150	25.00178	0.01613	0.9790	EXP 150 of 150	5139.53	0.13	1.0000	EXP 150 of 150

Sample Parameters		Sample	Material	Location	Analyst	Temp	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	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D26108	0.3 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.3	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	12	19	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26109	0.4 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.4	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	12	28	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26110	0.5 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.5	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	12	37	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26111	0.6 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.6	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	12	45	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26113	0.7 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.7	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	2	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26114	0.8 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.8	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	11	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26115	0.9 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	0.9	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	19	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26116	1.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	28	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26118	1.1 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.1	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	45	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26119	1.2 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.2	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	13	53	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26120	1.3 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.3	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	2	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26121	1.4 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.4	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	10	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26122	1.5 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.5	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	19	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26124	1.6 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.6	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	36	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26125	1.7 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.7	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	45	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26126	1.8 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.8	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	14	53	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26127	1.9 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	1.9	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	15	2	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26129	2.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	15	19	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26130	2.1 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.1	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	15	27	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26131	2.2 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.2	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	15	36	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26132	2.3 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.3	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	15	44	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26134	2.4 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.4	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	1	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26135	2.6 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.6	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	10	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26136	2.8 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	2.8	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	19	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26137	3.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	3.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	27	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26138	3.2 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	3.2	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	36	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26140	3.4 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	3.4	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	16	53	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26141	3.7 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	3.7	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	1	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26142	4.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	4.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	10	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26143	4.3 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	4.3	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	18	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26144	4.7 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	4.7	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	27	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26146	5.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	5.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	44	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26147	5.3 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	5.3	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	17	52	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26148	5.7 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	5.7	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079	0.065	1	4.8E-14	23	JUL	2016	18	1	1	16-OSU-03	0.00	0.00	15.48	Antarctica/Gao (15-54)	16D26102	01
16D26149	6.0 %	MB04-3	Biotite	South Shetlands Islands	Dan Miggins	6.0	FCT-NM (3C10-16)	28.201	0.082	Kuiper et al (2008)	8.98564	0.112	0.00158831	0.112	304.873	0.12	0.992304079																

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
16D26108	0.3 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26109	0.4 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26110	0.5 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26111	0.6 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26113	0.7 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26114	0.8 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26115	0.9 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26116	1.0 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26118	1.1 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26119	1.2 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26120	1.3 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26121	1.4 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26122	1.5 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26124	1.6 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26125	1.7 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26126	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26127	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26129	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26130	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26131	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26132	2.3 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26134	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26135	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26136	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26137	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26138	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26140	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26141	3.7 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26142	4.0 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26143	4.3 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26144	4.7 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26146	5.0 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26147	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26148	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26149	6.0 %	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	0	0	0.43	0	0	0	0	0	0	0	0	0
16D26151	6.4 %	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	0	0	0.43	0	0	0	0	0	0	0		

16D26102.AGE >>> MB04-3 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

505.08 ± 1.01

TOTAL FUSION

504.59 ± 1.02

NORMAL ISOCHRON

504.79 ± 1.05

INVERSE ISOCHRON

504.58 ± 1.05

MSWD (PROBABILITY)

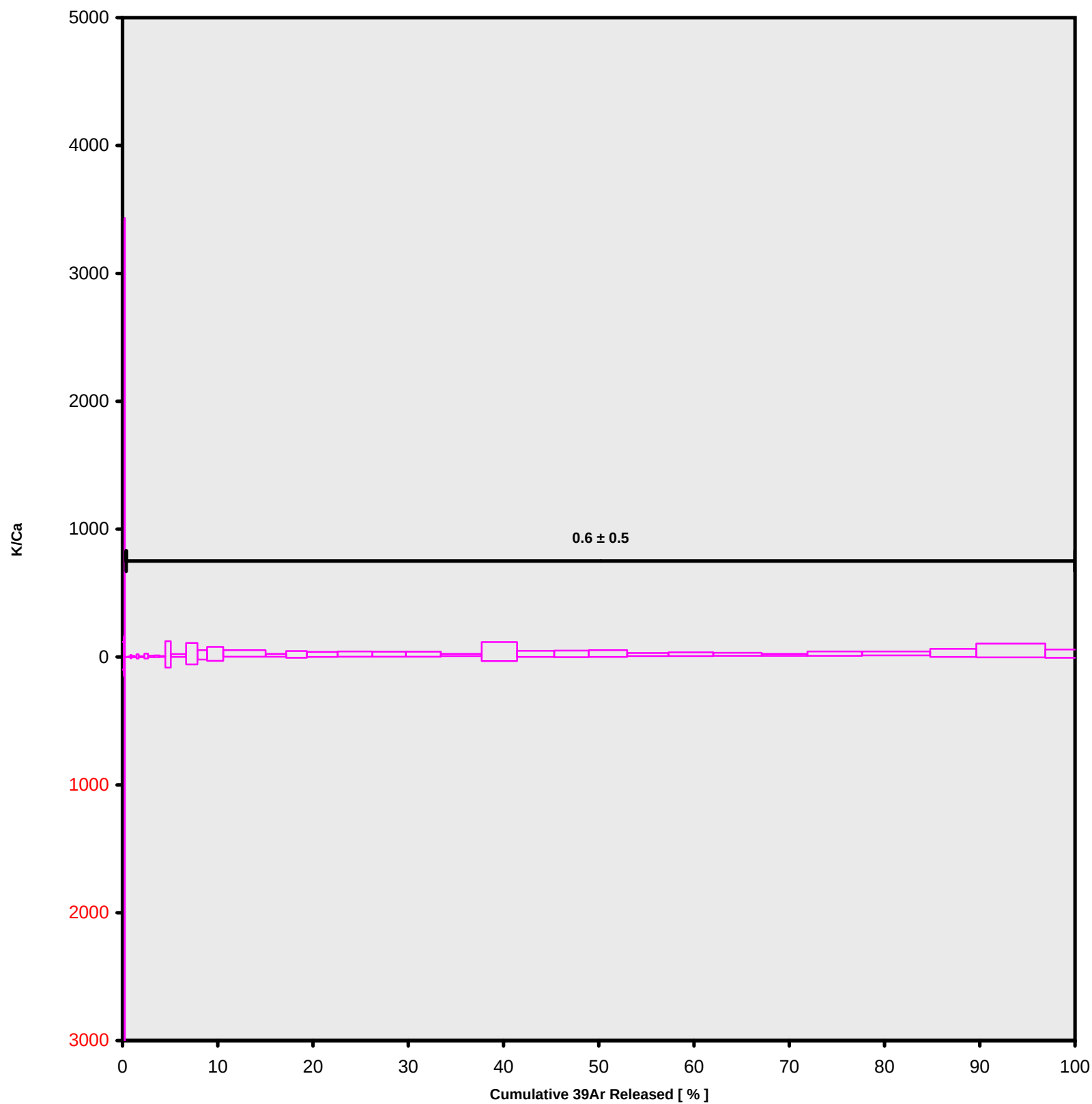
1.30 (9%)

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C10-16)
J = $0.00158831 \pm 0.00000178$

16D26102.AGE >>> MB04-3 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
505.08 ± 1.01

TOTAL FUSION
504.59 ± 1.02

NORMAL ISOCHRON
504.79 ± 1.05

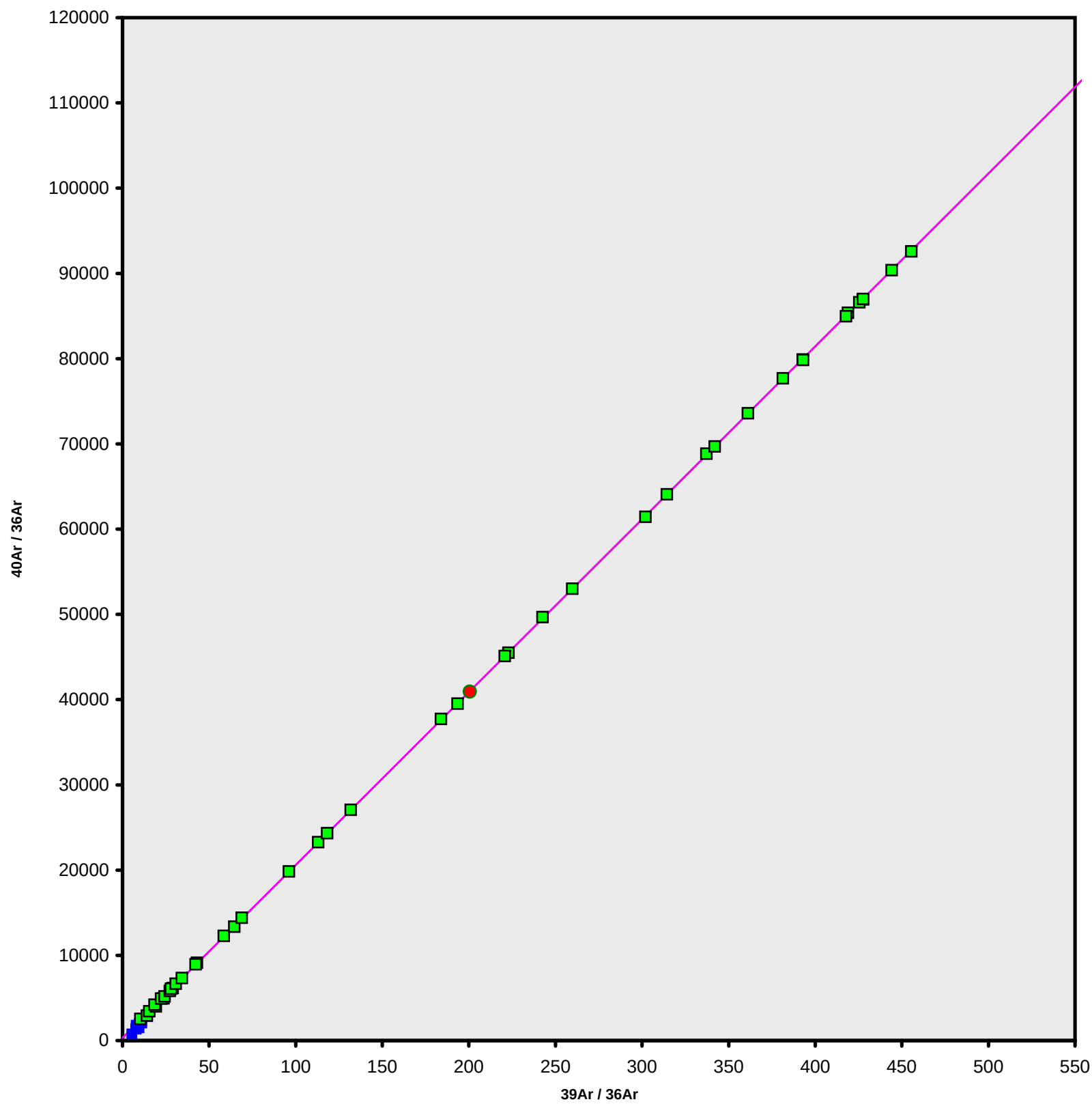
INVERSE ISOCHRON
504.58 ± 1.05

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C10-16)
J = 0.00158831 ± 0.00000178

16D26102.AGE >>> MB04-3 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
505.08 ± 1.01
TOTAL FUSION
504.59 ± 1.02
NORMAL ISOCHRON
504.79 ± 1.05
INVERSE ISOCHRON
504.58 ± 1.05

MSWD (PROBABILITY)
1.08 (34%)

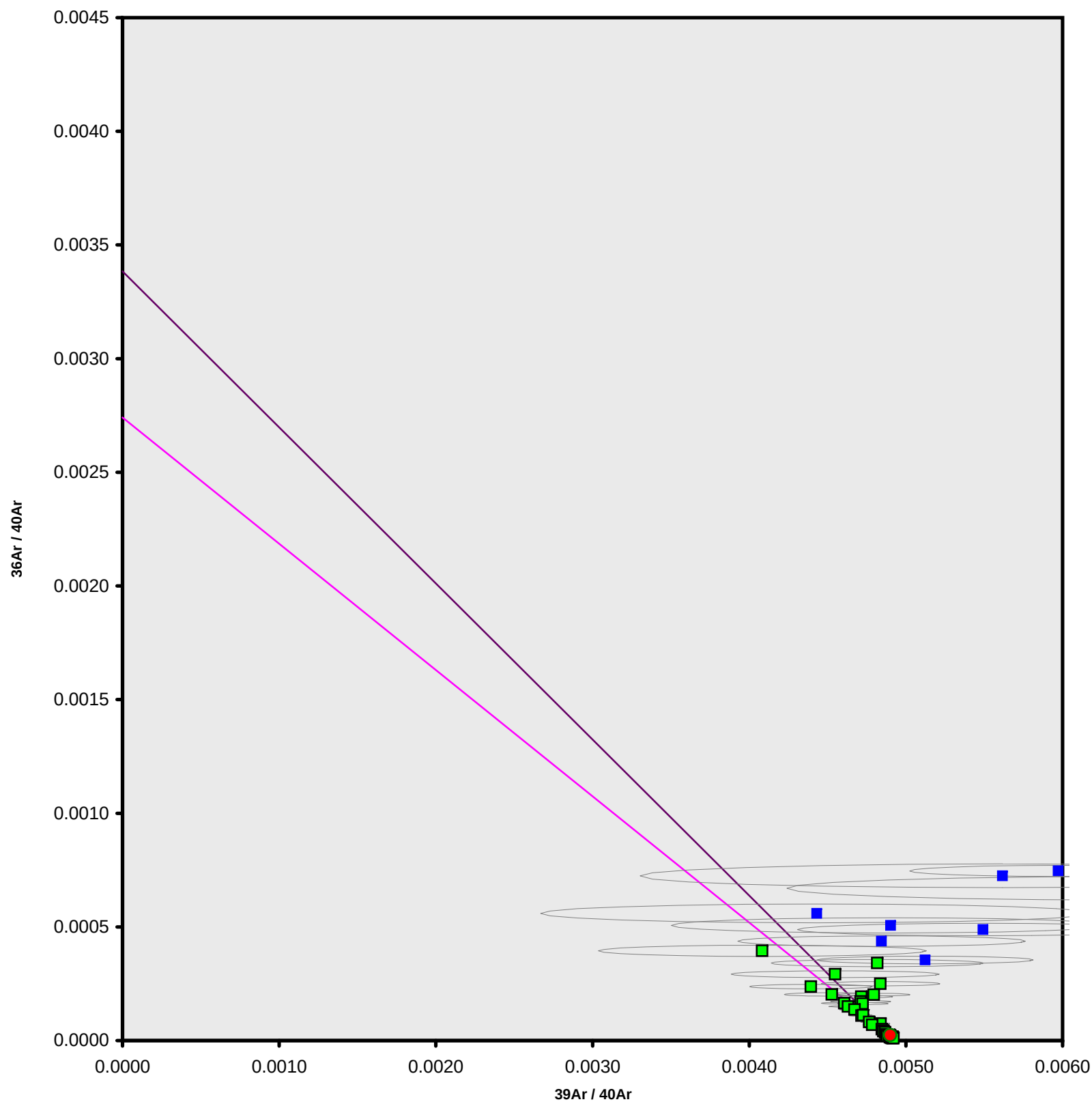
40AR/36AR INTERCEPT
345.0 ± 42.2

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C10-16)
J = 0.00158831 ± 0.00000178

16D26102.AGE >>> MB04-3 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 505.08 ± 1.01
TOTAL FUSION
 504.59 ± 1.02
NORMAL ISOCHRON
 504.79 ± 1.05
INVERSE ISOCHRON
 504.58 ± 1.05

MSWD (PROBABILITY)
 1.04 (40%)

SPREADING FACTOR
16.3%

40AR/36AR INTERCEPT
 364.8 ± 39.0

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C10-16)
 $J = 0.00158831 \pm 0.00000178$

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
16D26038	0.3 %		0.1629029	0.1092998	0.0109451	0.96790	87.51	242.99 ± 11.10	64.51	0.16	4 ± 15
16D26039	0.4 %		0.0860728	0.2986269	0.0061433	0.78328	104.12	346.86 ± 17.89	80.37	0.13	1 ± 2
16D26040	0.5 %		0.0471708	0.2107174	0.0000000	0.42424	55.82	343.66 ± 34.97	80.02	0.07	1 ± 2
16D26041	0.6 %		0.0358327	0.1960876	0.0000000	0.45346	61.56	353.55 ± 32.83	85.32	0.07	1 ± 2
16D26043	0.7 %		0.0397515	0.0589712	0.0095158	0.59923	89.85	386.84 ± 27.57	88.44	0.10	4 ± 33
16D26044	0.8 %		0.0396247	0.2803428	0.0000000	0.56709	83.15	379.11 ± 28.75	87.65	0.09	1 ± 1
16D26045	0.9 %		0.0495127	0.2213778	0.0000000	0.76903	124.52	414.42 ± 20.60	89.48	0.13	1 ± 3
16D26046	1.0 %		0.0524111	0.0476904	0.0000000	0.79065	123.74	402.01 ± 20.15	88.87	0.13	7 ± 66
16D26048	1.1 %		0.0540288	0.0654913	0.0000000	0.82312	139.48	431.59 ± 20.23	89.73	0.14	5 ± 35
16D26049	1.2 %		0.0572594	0.2192207	0.0000000	0.89046	151.52	433.19 ± 19.61	89.95	0.15	2 ± 3
16D26050	1.3 %		0.0620074	0.0750024	0.0156665	1.13426	207.60	462.07 ± 16.26	91.89	0.19	7 ± 39
16D26051	1.4 %		0.0664786	0.0756363	0.0000000	1.12579	204.19	458.39 ± 15.92	91.22	0.19	6 ± 38
16D26052	1.5 %		0.0705038	0.3227712	0.0008066	1.17096	219.36	471.64 ± 15.93	91.32	0.19	2 ± 2
16D26054	1.6 %		0.0867142	0.2164225	0.0142360	1.55954	300.52	483.50 ± 11.93	92.14	0.26	3 ± 6
16D26055	1.7 %		0.0953955	0.1258619	0.0083953	1.97042	386.55	491.14 ± 10.22	93.20	0.32	7 ± 24
16D26056	1.8 %		0.1157747	0.0026449	0.0357288	2.30057	454.52	494.18 ± 8.14	93.00	0.38	374 ± 62413
16D26057	1.9 %		0.1277033	0.0194271	0.0130708	2.53666	507.00	499.21 ± 7.50	93.07	0.42	56 ± 1238
16D26059	2.0 %		0.1234217	0.2181169	0.0504435	3.08079	629.05	508.61 ± 6.22	94.52	0.51	6 ± 12
16D26060	2.1 %		0.1188509	0.0648710	0.0398854	3.39746	680.64	500.24 ± 5.90	95.09	0.56	23 ± 154
16D26061	2.2 %	✓	0.1332243	0.2167218	0.0262561	3.89359	795.57	508.92 ± 5.22	95.28	0.64	8 ± 14
16D26062	2.3 %	✓	0.1420310	0.2243856	0.0606945	4.13078	845.73	509.81 ± 4.61	95.27	0.68	8 ± 16
16D26064	2.4 %	✓	0.1410368	0.0566650	0.1106573	4.91723	1002.23	507.81 ± 4.09	96.01	0.81	37 ± 283
16D26065	2.6 %	✓	0.1570250	0.1582752	0.1090099	6.46103	1320.99	509.19 ± 3.19	96.60	1.06	18 ± 50
16D26066	2.8 %	✓	0.1637940	0.0001819	0.1438496	8.01148	1633.20	507.90 ± 2.69	97.12	1.32	18939 #####
16D26067	3.0 %	✓	0.1939577	0.2069987	0.2010041	10.69924	2192.25	510.15 ± 1.98	97.45	1.76	22 ± 47
16D26068	3.2 %	✓	0.1573545	0.2441654	0.1891337	10.34294	2114.10	509.07 ± 2.10	97.85	1.70	18 ± 33
16D26070	3.4 %	✓	0.1946216	0.2239815	0.2343490	13.64181	2793.61	509.90 ± 1.58	97.98	2.25	26 ± 50
16D26071	3.7 %	✓	0.2369707	0.0600945	0.3146690	18.39928	3752.15	508.05 ± 1.27	98.17	3.03	132 ± 933
16D26072	4.0 %	✓	0.1821447	0.2774464	0.3231625	15.94165	3255.60	508.68 ± 1.40	98.37	2.63	25 ± 40
16D26073	4.3 %	✓	0.2317336	0.0923517	0.3801702	23.35975	4790.13	510.50 ± 1.07	98.59	3.85	109 ± 510
16D26074	4.7 %	✓	0.2050147	0.4063286	0.3030197	20.94089	4288.03	509.87 ± 1.13	98.61	3.45	22 ± 23
16D26076	5.0 %	✓	0.1660691	0.1428787	0.3325878	20.44391	4175.60	508.74 ± 1.12	98.84	3.37	62 ± 193
16D26077	5.3 %	✓	0.1031958	0.1428523	0.2374310	13.48262	2752.72	508.57 ± 1.57	98.90	2.22	41 ± 128
16D26078	5.7 %	✓	0.1568727	0.0283676	0.4631003	29.05667	5936.55	508.88 ± 0.94	99.22	4.79	440 ± 7116
16D26079	6.0 %	✓	0.0672492	0.0397326	0.2367718	13.81365	2826.98	509.62 ± 1.60	99.30	2.28	149 ± 1620
16D26081	6.4 %	✓	0.1492852	0.1586880	0.5028569	32.32470	6605.78	508.98 ± 0.88	99.33	5.33	88 ± 239
16D26082	6.8 %	✓	0.0872071	0.0141279	0.3123768	20.55307	4199.58	508.92 ± 1.16	99.39	3.39	626 ± 19397
16D26083	7.2 %	✓	0.1158836	0.0747945	0.3426737	23.49647	4801.52	508.97 ± 1.08	99.29	3.87	135 ± 779
16D26084	7.6 %	✓	0.1009061	0.0131958	0.3369087	22.02676	4491.80	508.04 ± 1.17	99.34	3.63	718 ± 25262
16D26085	8.0 %	✓	0.0959827	0.2702787	0.3612244	21.34880	4367.36	509.45 ± 1.08	99.35	3.52	34 ± 55
16D26087	8.5 %	✓	0.0811125	0.0544888	0.2588158	15.60716	3194.67	509.71 ± 1.38	99.25	2.57	123 ± 1031
16D26088	9.0 %	✓	0.1753660	0.1195133	0.4553063	29.75295	6098.28	510.30 ± 0.93	99.16	4.90	107 ± 399
16D26089	9.5 %	✓	0.0753336	0.1970350	0.2335853	15.98880	3275.46	510.07 ± 1.50	99.32	2.64	35 ± 76
16D26090	10.0 %	✓	0.0692713	0.0433010	0.2401092	16.67107	3412.97	509.78 ± 1.36	99.40	2.75	166 ± 1760
16D26092	10.5 %	✓	0.1127674	0.2206629	0.3155231	21.97197	4500.32	509.99 ± 1.10	99.26	3.62	43 ± 89
16D26093	11.0 %	✓	0.0856011	0.0370147	0.2107012	15.80871	3241.64	510.49 ± 1.41	99.22	2.61	184 ± 2193
16D26094	11.5 %	✓	0.1835472	0.1946613	0.5026934	33.26303	6800.41	509.17 ± 0.87	99.21	5.48	73 ± 168

16D26095	12.0 %	✓	0.0614395	0.2711859	0.1999492	12.02429	2467.94	510.91 ± 1.75	99.27	1.98	19 ± 32
16D26097	12.5 %	✓	0.1304159	0.1143212	0.3122962	22.56040	4606.18	508.58 ± 1.08	99.17	3.72	85 ± 307
16D26098	13.0 %	✓	0.1175146	0.1628443	0.3314907	20.85083	4255.68	508.42 ± 1.12	99.19	3.44	55 ± 142
16D26099	13.5 %	✓	0.1323642	0.1976635	0.3533444	25.00764	5095.45	507.67 ± 1.07	99.24	4.12	54 ± 123
16D26101	14.0 %	✓	0.0704965	0.1289824	0.2162604	14.57148	2981.50	509.53 ± 1.56	99.30	2.40	49 ± 175
Σ			5.9682076	1.7257273	9.3568193	606.70959	123482.71				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB04-1	Age Plateau	204.46910 ± 0.12949	509.22 ± 1.03	1.57	95.82	5 ± 8
Material = Biotite	Error Mean	± 0.06%	± 0.20%	2%	33	
Location = South Shetlands Islands			Full External Error ± 10.82	1.50	2σ Confidence Limit	
Analyst = Dan Miggins			Analytical Error ± 0.28	1.2528	Error Magnification	
Project = ANTARCTICA GAO (15-54)						
Mass Discrimination Law = LIN						
Irradiation = 16-OSU-03 (3C8-16)	Total Fusion Age	203.52854 ± 0.12131	507.18 ± 1.03		52	151 ± 277
J = 0.00159070 ± 0.00000178		± 0.06%	± 0.20%			
FCT-NM = 28.201 ± 0.023 Ma			Full External Error ± 10.78			
			Analytical Error ± 0.26			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D26038	0.3 %		5.94 ± 0.29	832.71 ± 8.71	0.2037
16D26039	0.4 %		9.10 ± 0.53	1505.17 ± 22.36	0.2493
16D26040	0.5 %		8.99 ± 1.02	1478.90 ± 34.06	0.1967
16D26041	0.6 %		12.66 ± 1.33	2013.37 ± 52.64	0.2433
16D26043	0.7 %		15.07 ± 1.24	2555.91 ± 58.78	0.2758
16D26044	0.8 %		14.31 ± 1.25	2394.01 ± 57.38	0.2709
16D26045	0.9 %		15.53 ± 0.92	2810.42 ± 58.51	0.3482
16D26046	1.0 %		15.09 ± 0.89	2656.50 ± 52.97	0.3335
16D26048	1.1 %		15.23 ± 0.85	2877.16 ± 56.17	0.3454
16D26049	1.2 %		15.55 ± 0.84	2941.78 ± 52.74	0.3301
16D26050	1.3 %		18.29 ± 0.80	3643.49 ± 65.55	0.4100
16D26051	1.4 %		16.93 ± 0.72	3367.00 ± 53.84	0.3751
16D26052	1.5 %		16.61 ± 0.69	3406.83 ± 53.26	0.3758
16D26054	1.6 %		17.98 ± 0.56	3761.19 ± 49.88	0.4256
16D26055	1.7 %		20.66 ± 0.56	4347.63 ± 57.75	0.4872
16D26056	1.8 %		19.87 ± 0.44	4221.41 ± 49.28	0.5264
16D26057	1.9 %		19.86 ± 0.42	4265.68 ± 52.95	0.5854
16D26059	2.0 %		24.96 ± 0.46	5392.28 ± 64.49	0.6488
16D26060	2.1 %		28.59 ± 0.52	6022.37 ± 73.06	0.6683
16D26061	2.2 %	✓	29.23 ± 0.47	6267.19 ± 68.76	0.6820
16D26062	2.3 %	✓	29.08 ± 0.44	6250.06 ± 68.72	0.7274
16D26064	2.4 %	✓	34.86 ± 0.51	7401.66 ± 85.19	0.7805
16D26065	2.6 %	✓	41.15 ± 0.52	8708.11 ± 91.44	0.8256
16D26066	2.8 %	✓	48.91 ± 0.59	10266.58 ± 107.44	0.8648
16D26067	3.0 %	✓	55.16 ± 0.62	11598.20 ± 120.04	0.9185
16D26068	3.2 %	✓	65.73 ± 0.76	13730.76 ± 144.19	0.9121
16D26070	3.4 %	✓	70.09 ± 0.74	14649.54 ± 144.75	0.9410
16D26071	3.7 %	✓	77.64 ± 0.75	16129.29 ± 148.99	0.9555
16D26072	4.0 %	✓	87.52 ± 0.99	18169.19 ± 196.99	0.9602
16D26073	4.3 %	✓	100.80 ± 0.98	20966.35 ± 198.35	0.9691
16D26074	4.7 %	✓	102.14 ± 1.06	21211.24 ± 213.29	0.9696
16D26076	5.0 %	✓	123.10 ± 1.35	25439.24 ± 271.34	0.9733
16D26077	5.3 %	✓	130.65 ± 1.85	26970.21 ± 370.10	0.9683
16D26078	5.7 %	✓	185.22 ± 2.28	38138.63 ± 463.31	0.9853
16D26079	6.0 %	✓	205.41 ± 3.99	42332.95 ± 808.30	0.9827
16D26081	6.4 %	✓	216.53 ± 2.35	44544.92 ± 474.48	0.9832
16D26082	6.8 %	✓	235.68 ± 3.76	48451.85 ± 762.60	0.9865
16D26083	7.2 %	✓	202.76 ± 2.66	41729.50 ± 538.55	0.9826
16D26084	7.6 %	✓	218.29 ± 3.40	44810.14 ± 688.89	0.9856
16D26085	8.0 %	✓	222.42 ± 3.32	45797.01 ± 675.19	0.9866
16D26087	8.5 %	✓	192.41 ± 3.22	39681.16 ± 652.72	0.9826
16D26088	9.0 %	✓	169.66 ± 2.04	35070.11 ± 414.50	0.9849
16D26089	9.5 %	✓	212.24 ± 3.66	43774.85 ± 739.30	0.9806
16D26090	10.0 %	✓	240.66 ± 4.67	49565.10 ± 950.60	0.9875
16D26092	10.5 %	✓	194.84 ± 2.84	40203.49 ± 577.49	0.9854
16D26093	11.0 %	✓	184.68 ± 3.15	38164.71 ± 638.85	0.9824
16D26094	11.5 %	✓	181.22 ± 2.01	37345.39 ± 406.79	0.9843

16D26095	12.0 %	✓	195.71 ± 4.09	40464.03 ± 831.54	0.9823
16D26097	12.5 %	✓	172.99 ± 2.27	35614.62 ± 459.91	0.9827
16D26098	13.0 %	✓	177.43 ± 2.46	36509.52 ± 497.25	0.9832
16D26099	13.5 %	✓	188.93 ± 2.51	38791.21 ± 506.94	0.9833
16D26101	14.0 %	✓	206.70 ± 3.73	42588.41 ± 753.87	0.9810

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	290.20 ± 33.08	204.51595 ± 0.26480	509.32 ± 1.15	1.63
Error Chron	± 11.40%	± 0.13%	± 0.23%	2%
		Full External Error ± 10.84		
		Analytical Error ± 0.57		
Statistics	2σ Confidence Limit	1.51	Convergence	0.001972872511
	Error Magnification	1.2748	Number of Iterations	15
	Number of Data Points	33	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D26038	0.3 %		0.0071353 ± 0.0003456	0.00120090 ± 0.00001256	0.0079
16D26039	0.4 %		0.0060460 ± 0.0003419	0.00066438 ± 0.00000987	0.0052
16D26040	0.5 %		0.0060814 ± 0.0006785	0.00067618 ± 0.00001557	0.0058
16D26041	0.6 %		0.0062855 ± 0.0006418	0.00049668 ± 0.00001298	0.0052
16D26043	0.7 %		0.0058979 ± 0.0004664	0.00039125 ± 0.00000900	0.0039
16D26044	0.8 %		0.0059780 ± 0.0005021	0.00041771 ± 0.00001001	0.0040
16D26045	0.9 %		0.0055266 ± 0.0003071	0.00035582 ± 0.00000741	0.0033
16D26046	1.0 %		0.0056787 ± 0.0003171	0.00037643 ± 0.00000751	0.0034
16D26048	1.1 %		0.0052951 ± 0.0002787	0.00034756 ± 0.00000679	0.0030
16D26049	1.2 %		0.0052864 ± 0.0002688	0.00033993 ± 0.00000609	0.0028
16D26050	1.3 %		0.0050205 ± 0.0002001	0.00027446 ± 0.00000494	0.0020
16D26051	1.4 %		0.0050296 ± 0.0001976	0.00029700 ± 0.00000475	0.0023
16D26052	1.5 %		0.0048750 ± 0.0001870	0.00029353 ± 0.00000459	0.0021
16D26054	1.6 %		0.0047817 ± 0.0001343	0.00026587 ± 0.00000353	0.0019
16D26055	1.7 %		0.0047509 ± 0.0001128	0.00023001 ± 0.00000306	0.0014
16D26056	1.8 %		0.0047072 ± 0.0000885	0.00023689 ± 0.00000277	0.0014
16D26057	1.9 %		0.0046566 ± 0.0000799	0.00023443 ± 0.00000291	0.0012
16D26059	2.0 %		0.0046291 ± 0.0000649	0.00018545 ± 0.00000222	0.0011
16D26060	2.1 %		0.0047466 ± 0.0000640	0.00016605 ± 0.00000201	0.0009
16D26061	2.2 %	✓	0.0046633 ± 0.0000548	0.00015956 ± 0.00000175	0.0009
16D26062	2.3 %	✓	0.0046533 ± 0.0000482	0.00016000 ± 0.00000176	0.0009
16D26064	2.4 %	✓	0.0047104 ± 0.0000434	0.00013510 ± 0.00000156	0.0007
16D26065	2.6 %	✓	0.0047251 ± 0.0000339	0.00011484 ± 0.00000121	0.0006
16D26066	2.8 %	✓	0.0047642 ± 0.0000289	0.00009740 ± 0.00000102	0.0005
16D26067	3.0 %	✓	0.0047561 ± 0.0000212	0.00008622 ± 0.00000089	0.0004
16D26068	3.2 %	✓	0.0047871 ± 0.0000226	0.00007283 ± 0.00000076	0.0004
16D26070	3.4 %	✓	0.0047847 ± 0.0000170	0.00006826 ± 0.00000067	0.0003
16D26071	3.7 %	✓	0.0048138 ± 0.0000137	0.00006200 ± 0.00000057	0.0003
16D26072	4.0 %	✓	0.0048171 ± 0.0000152	0.00005504 ± 0.00000060	0.0003
16D26073	4.3 %	✓	0.0048079 ± 0.0000116	0.00004770 ± 0.00000045	0.0002
16D26074	4.7 %	✓	0.0048155 ± 0.0000122	0.00004714 ± 0.00000047	0.0002
16D26076	5.0 %	✓	0.0048392 ± 0.0000122	0.00003931 ± 0.00000042	0.0002
16D26077	5.3 %	✓	0.0048443 ± 0.0000171	0.00003708 ± 0.00000051	0.0002
16D26078	5.7 %	✓	0.0048566 ± 0.0000102	0.00002622 ± 0.00000032	0.0001
16D26079	6.0 %	✓	0.0048522 ± 0.0000175	0.00002362 ± 0.00000045	0.0002
16D26081	6.4 %	✓	0.0048609 ± 0.0000096	0.00002245 ± 0.00000024	0.0002
16D26082	6.8 %	✓	0.0048642 ± 0.0000127	0.00002064 ± 0.00000032	0.0001
16D26083	7.2 %	✓	0.0048589 ± 0.0000118	0.00002396 ± 0.00000031	0.0002
16D26084	7.6 %	✓	0.0048714 ± 0.0000129	0.00002232 ± 0.00000034	0.0002
16D26085	8.0 %	✓	0.0048567 ± 0.0000118	0.00002184 ± 0.00000032	0.0002
16D26087	8.5 %	✓	0.0048490 ± 0.0000151	0.00002520 ± 0.00000041	0.0002
16D26088	9.0 %	✓	0.0048378 ± 0.0000101	0.00002851 ± 0.00000034	0.0001
16D26089	9.5 %	✓	0.0048484 ± 0.0000164	0.00002284 ± 0.00000039	0.0002
16D26090	10.0 %	✓	0.0048555 ± 0.0000148	0.00002018 ± 0.00000039	0.0002
16D26092	10.5 %	✓	0.0048464 ± 0.0000120	0.00002487 ± 0.00000036	0.0002
16D26093	11.0 %	✓	0.0048390 ± 0.0000154	0.00002620 ± 0.00000044	0.0002
16D26094	11.5 %	✓	0.0048526 ± 0.0000095	0.00002678 ± 0.00000029	0.0001

16D26095	12.0 %	✓	0.0048366 ± 0.0000190	0.00002471 ± 0.00000051	0.0002
16D26097	12.5 %	✓	0.0048572 ± 0.0000118	0.00002808 ± 0.00000036	0.0002
16D26098	13.0 %	✓	0.0048599 ± 0.0000123	0.00002739 ± 0.00000037	0.0002
16D26099	13.5 %	✓	0.0048704 ± 0.0000118	0.00002578 ± 0.00000034	0.0002
16D26101	14.0 %	✓	0.0048534 ± 0.0000170	0.00002348 ± 0.00000042	0.0002

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Error Chron	294.78 ± 31.50		204.47609 ± 0.26435	509.24 ± 1.15	1.62
	± 10.69%		± 0.13%	± 0.23%	2%
			Full External Error ± 10.83		
			Analytical Error ± 0.57		
Statistics	2σ Confidence Limit	1.51	Convergence	0.0000055200	
	Error Magnification	1.2729	Number of Iterations	2	
	Number of Data Points	33	Calculated Line	Weighted York-2	
	Spreading Factor	4.4%			

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
16D26038	0.3 %	0.1628757	0.512	0.1092998	197.391	0.053029	45.787	0.96783	2.420	135.65	0.100	90.41469 ± 4.41419	242.99 ± 11.10	64.51	0.16	4 ± 15
16D26039	0.4 %	0.0859944	0.733	0.2986269	72.480	0.031633	76.591	0.78308	2.826	129.56	0.105	132.92759 ± 7.53505	346.86 ± 17.89	80.37	0.13	1 ± 2
16D26040	0.5 %	0.0471146	1.130	0.2107174	107.185	0.000761	3190.897	0.42410	5.577	69.76	0.193	131.58069 ± 14.70369	343.66 ± 34.97	80.02	0.07	1 ± 2
16D26041	0.6 %	0.0357805	1.286	0.1960876	110.468	0.002756	931.983	0.45333	5.103	72.15	0.187	135.74616 ± 13.87690	353.55 ± 32.83	85.32	0.07	1 ± 2
16D26043	0.7 %	0.0397374	1.133	0.0589712	375.813	0.024151	97.002	0.59919	3.952	101.60	0.133	149.94919 ± 11.86884	386.84 ± 27.57	88.44	0.10	4 ± 33
16D26044	0.8 %	0.0395500	1.183	0.2803428	80.391	0.025444	97.678	0.56690	4.199	94.86	0.142	146.63134 ± 12.32784	379.11 ± 28.75	87.65	0.09	1 ± 1
16D26045	0.9 %	0.0495717	1.029	0.2213778	97.875	0.001021	2315.375	0.76918	2.776	139.15	0.097	161.91812 ± 9.00651	414.42 ± 20.60	89.48	0.13	1 ± 3
16D26046	1.0 %	0.0523984	0.986	0.0476904	462.785	0.002186	1108.592	0.79061	2.791	139.23	0.097	156.50855 ± 8.75006	402.01 ± 20.15	88.87	0.13	7 ± 66
16D26048	1.1 %	0.0540462	0.966	0.0654913	328.203	0.011769	204.628	0.82316	2.630	155.45	0.087	169.45796 ± 8.92687	431.59 ± 20.23	89.73	0.14	5 ± 35
16D26049	1.2 %	0.0573178	0.886	0.2192207	96.779	0.019120	126.799	0.89061	2.541	168.45	0.080	170.16368 ± 8.66153	433.19 ± 19.61	89.95	0.15	2 ± 3
16D26050	1.3 %	0.0620301	0.892	0.0750024	297.152	0.040907	59.753	1.13431	1.991	225.93	0.060	183.02745 ± 7.30008	462.07 ± 16.26	91.89	0.19	7 ± 39
16D26051	1.4 %	0.0664584	0.793	0.0756363	293.188	0.022807	111.800	1.12574	1.964	223.84	0.061	181.37344 ± 7.13284	458.39 ± 15.92	91.22	0.19	6 ± 38
16D26052	1.5 %	0.0704180	0.776	0.3227712	66.876	0.028048	88.102	1.17074	1.917	240.20	0.057	187.33455 ± 7.19011	471.64 ± 15.93	91.32	0.19	2 ± 2
16D26054	1.6 %	0.0866590	0.659	0.2164225	101.628	0.049190	50.781	1.55940	1.404	326.15	0.042	192.70060 ± 5.41737	483.50 ± 11.93	92.14	0.26	3 ± 6
16D26055	1.7 %	0.0953634	0.661	0.1258619	176.450	0.049922	49.537	1.97034	1.187	414.75	0.033	196.17866 ± 4.66374	491.14 ± 10.22	93.20	0.32	7 ± 24
16D26056	1.8 %	0.1157816	0.581	0.0026449	8343.507	0.085045	27.662	2.30057	0.940	488.74	0.028	197.56915 ± 3.72078	494.18 ± 8.14	93.00	0.38	374 ± 62413
16D26057	1.9 %	0.1277004	0.619	0.0194271	1102.806	0.067456	38.115	2.53665	0.858	544.75	0.025	199.87075 ± 3.43520	499.21 ± 7.50	93.07	0.42	56 ± 1238
16D26059	2.0 %	0.1234885	0.596	0.2181169	98.623	0.110592	22.485	3.08094	0.700	665.54	0.021	204.18538 ± 2.86455	508.61 ± 6.22	94.52	0.51	6 ± 12
16D26060	2.1 %	0.1188751	0.604	0.0648710	341.941	0.102978	23.552	3.39751	0.674	715.78	0.020	200.33869 ± 2.70574	500.24 ± 5.90	95.09	0.56	23 ± 154
16D26061	2.2 %	0.1331711	0.547	0.2167218	92.383	0.097984	23.532	3.89345	0.587	834.96	0.017	204.32904 ± 2.40429	508.92 ± 5.22	95.28	0.64	8 ± 14
16D26062	2.3 %	0.1419818	0.548	0.2243856	98.618	0.136921	17.976	4.13063	0.518	887.72	0.016	204.73914 ± 2.12526	509.81 ± 4.61	95.27	0.68	8 ± 16
16D26064	2.4 %	0.1410409	0.574	0.0566650	379.371	0.196172	12.204	4.91720	0.461	1043.92	0.014	203.81981 ± 1.88075	507.81 ± 4.09	96.01	0.81	37 ± 283
16D26065	2.6 %	0.1570860	0.523	0.1582752	141.764	0.216102	11.486	6.46114	0.358	1367.42	0.011	204.45508 ± 1.46842	509.19 ± 3.19	96.60	1.06	18 ± 50
16D26066	2.8 %	0.1638189	0.522	0.0001819	#####	0.270849	8.832	8.01148	0.304	1681.63	0.009	203.85791 ± 1.23984	507.90 ± 2.69	97.12	1.32	18939 #####
16D26067	3.0 %	0.1939374	0.517	0.2069987	105.756	0.365963	6.438	10.69910	0.223	2249.60	0.007	204.89735 ± 0.91445	510.15 ± 1.98	97.45	1.76	22 ± 47
16D26068	3.2 %	0.1574523	0.523	0.2441654	89.506	0.342997	6.966	10.34310	0.236	2160.64	0.007	204.40027 ± 0.96577	509.07 ± 2.10	97.85	1.70	18 ± 33
16D26070	3.4 %	0.1946026	0.493	0.2239815	95.669	0.434832	5.603	13.64166	0.178	2851.17	0.005	204.78270 ± 0.72879	509.90 ± 1.58	97.98	2.25	26 ± 50
16D26071	3.7 %	0.2370092	0.461	0.0600945	354.411	0.580316	4.170	18.39924	0.143	3822.24	0.004	203.92889 ± 0.58256	508.05 ± 1.27	98.17	3.03	132 ± 933
16D26072	4.0 %	0.1822746	0.541	0.2774464	81.179	0.549019	4.358	15.94184	0.158	3309.48	0.005	204.21964 ± 0.64507	508.68 ± 1.40	98.37	2.63	25 ± 40
16D26073	4.3 %	0.2317749	0.472	0.0923517	234.431	0.704516	3.372	23.35969	0.120	4858.70	0.003	205.05911 ± 0.49431	510.50 ± 1.07	98.59	3.85	109 ± 510
16D26074	4.7 %	0.2049589	0.502	0.4063286	51.810	0.593248	3.956	20.94061	0.127	4348.69	0.004	204.76842 ± 0.52030	509.87 ± 1.13	98.61	3.45	22 ± 23
16D26076	5.0 %	0.1661648	0.532	0.1428787	156.789	0.609597	4.173	20.44401	0.126	4224.75	0.004	204.24651 ± 0.51470	508.74 ± 1.12	98.84	3.37	62 ± 193
16D26077	5.3 %	0.1032750	0.683	0.1428523	157.915	0.418938	6.063	13.48271	0.177	2783.26	0.005	204.16802 ± 0.72306	508.57 ± 1.57	98.90	2.22	41 ± 128
16D26078	5.7 %	0.1569605	0.606	0.0283676	807.815	0.842003	2.929	29.05669	0.105	5983.02	0.003	204.30956 ± 0.43129	508.88 ± 0.94	99.22	4.79	440 ± 7116
16D26079	6.0 %	0.0673008	0.950	0.0397326	541.776	0.415536	5.841	13.81368	0.180	2846.91	0.006	204.65150 ± 0.73785	509.62 ± 1.60	99.30	2.28	149 ± 1620
16D26081	6.4 %	0.1493301	0.531	0.1586880	136.378	0.919645	2.669	32.32460	0.099	6650.02	0.003	204.35715 ± 0.40393	508.98 ± 0.88	99.33	5.33	88 ± 239
16D26082	6.8 %	0.0872575	0.784	0.0141279	1550.344	0.575949	4.392	20.55306	0.130	4225.42	0.004	204.32844 ± 0.53352	508.92 ± 1.16	99.39	3.39	626 ± 19397
16D26083	7.2 %	0.1159230	0.643	0.0747945	288.171	0.647013	3.849	23.49642	0.122	4835.85	0.004	204.35072 ± 0.49820	508.97 ± 1.08	99.29	3.87	135 ± 779
16D26084	7.6 %	0.1009679	0.766	0.0131958	1759.760	0.620773	3.862	22.02676	0.132	4521.70	0.004	203.92457 ± 0.53839	508.04 ± 1.17	99.34	3.63	718 ± 25262
16D26085	8.0 %	0.0959733	0.735	0.2702787	81.635	0.635992	3.636	21.34861	0.122	4395.80	0.004	204.57157 ± 0.49820	509.45 ± 1.08	99.35	3.52	34 ± 55
16D26087	8.5 %	0.0811429	0.819	0.0544888	418.744	0.461742	5.370	15.60712	0.156	3218.70	0.005	204.69264 ± 0.63756	509.71 ± 1.38	99.25	2.57	123 ± 1031
16D26088	9.0 %	0.1754131	0.590	0.1195133	186.278	0.846031	2.878	29.75287	0.104	6150.22	0.003	204.96404 ± 0.42678	510.30 ± 0.93	99.16	4.90	107 ± 399
16D26089	9.5 %	0.0754265	0.840	0.1970350	108.671	0.440041	5.343	15.98893	0.169	3297.78	0.005	204.85936 ± 0.69144	510.07 ± 1.50	99.32	2.64	35 ± 76
16D26090	10.0 %	0.0693014	0.954	0.0433010	531.589	0.453623	5.429	16.67104	0.153	3433.50	0.005	204.72406 ± 0.62617	509.78 ± 1.36	99.40	2.75	166 ± 1760
16D26092	10.5 %	0.1128808	0.715	0.2206629	103.637	0.600960	4.322	21.97212	0.124	4533.73	0.004	204.82094 ± 0.50858	509.99 ± 1.10	99.26	3.62	43 ± 89
16D26093	11.0 %	0.0856474	0.834	0.0370147	597.127	0.416897	6.472	15.80873	0.159	3267.00	0.005	205.05435 ± 0.65229	510.49 ± 1.41	99.22	2.61	184 ± 2193
16D26094	11.5 %	0.1836862	0.543	0.1946613	114.237	0.937200	2.552	33.26316	0.098	6854.77	0.003	204.44338 ± 0.39982	509.17 ± 0.87	99.21	5.48	73 ± 168

16D26095	12.0 %	✓	0.0615464	1.021	0.2711859	83.542	0.356116	6.753	12.02448	0.196	2486.14	0.006	205.24584 ± 0.80558	510.91 ± 1.75	99.27	1.98	19 ± 32
16D26097	12.5 %	✓	0.1305005	0.644	0.1143212	180.732	0.608103	4.079	22.56048	0.122	4644.80	0.004	204.17079 ± 0.49721	508.58 ± 1.08	99.17	3.72	85 ± 307
16D26098	13.0 %	✓	0.1175287	0.679	0.1628443	128.865	0.604299	4.063	20.85072	0.126	4290.48	0.004	204.10101 ± 0.51578	508.42 ± 1.12	99.19	3.44	55 ± 142
16D26099	13.5 %	✓	0.1323728	0.652	0.1976635	113.212	0.678936	3.538	25.00750	0.121	5134.66	0.004	203.75589 ± 0.49277	507.67 ± 1.07	99.24	4.12	54 ± 123
16D26101	14.0 %	✓	0.0704997	0.881	0.1289824	179.658	0.404736	6.150	14.57139	0.175	3002.39	0.005	204.61221 ± 0.71756	509.53 ± 1.56	99.30	2.40	49 ± 175
Σ			5.9693690	0.091	1.7257273	91.763	17.631022	1.000	606.70842	0.030	125248.64	0.001					

Information on Analysis
and Constants Used in Calculations

Sample = MB04-1
Material = Biotite
Location = South Shetlands Islands
Analyst = Dan Miggins
Project = ANTARCTICA | GAO (15-54)
Mass Discrimination Law = LIN
Irradiation = 16-OSU-03 (3C8-16)
J = 0.00159070 ± 0.00000178
FCT-NM = 28.201 ± 0.023 Ma
IGSN = Undefined
Preferred Age = Undefined
Classification = Undefined
Experiment Type = Incremental Heating
Extraction Method = Undefined
Heating = 77 sec
Isolation = 1.50 min
Instrument = ARGUS-VI-D
Lithology = Undefined
Lat-Lon = Undefined - Undefined
Collector Calibrations = 36Ar

Age Equations = Min et al. (2000)
Negative Intensities = Allowed
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) = 0.000676 ± 0.000009
Production 38/37(ca) = 0.000072 ± 0.000009
Production 36/37(ca) = 0.000266 ± 0.000000
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 Error Mean		204.46910 ± 0.12949 ± 0.06%	509.22 ± 1.03 ± 0.20%	1.57 2%	95.82 33	5 ± 8
			Full External Error ± 10.82 Analytical Error ± 0.28	1.50 1.2528	2σ Confidence Limit Error Magnification	
Total Fusion Age		203.52854 ± 0.12131 ± 0.06%	507.18 ± 1.03 ± 0.20%		52	151 ± 277
			Full External Error ± 10.78 Analytical Error ± 0.26			
Normal Isochron Error Chron	290.20 ± 33.08 ± 11.40%	204.51595 ± 0.26480 ± 0.13%	509.32 ± 1.15 ± 0.23%	1.63 2%	95.82 33	
			Full External Error ± 10.84 Analytical Error ± 0.57	1.51 1.2748	2σ Confidence Limit Error Magnification	
				15 0.0019728725	Number of Iterations Convergence	
Inverse Isochron Error Chron	294.78 ± 31.50 ± 10.69%	204.47609 ± 0.26435 ± 0.13%	509.24 ± 1.15 ± 0.23%	1.62 2%	95.82 33	
			Full External Error ± 10.83 Analytical Error ± 0.57	1.51 1.2729	2σ Confidence Limit Error Magnification	
				2 0.0000055200	Number of Iterations Convergence	
				4%	Spreading Factor	

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
16D26038	0.3 %	0.1629029	0.51	0.0000000	0.00	0.0000291	197.39	0.0000019	221.86	0.1092998	197.39	0.0304465	0.51	0.0000000	0.00	0.0116449	2.43	0.0000078	197.81	0.0109451	221.87	0.96790	2.42	0.0000738	197.40
16D26039	0.4 %	0.0860728	0.74	0.0000000	0.00	0.0000795	72.48	0.0000011	394.42	0.2986269	72.48	0.0160870	0.74	0.0000000	0.00	0.0094237	2.83	0.0000214	73.60	0.0061433	394.42	0.78328	2.83	0.0002018	72.49
16D26040	0.5 %	0.0471708	1.14	0.0000000	0.00	0.0000561	107.19	0.0000000	0.00	0.2107174	107.19	0.0088162	1.14	0.0000000	0.00	0.0051041	5.58	0.0000151	107.95	0.0000000	0.00	0.42424	5.57	0.0001424	107.19
16D26041	0.6 %	0.0358327	1.29	0.0000000	0.00	0.0000522	110.47	0.0000000	0.00	0.1960876	110.47	0.0066971	1.29	0.0000000	0.00	0.0054556	5.10	0.0000141	111.21	0.0000000	0.00	0.45346	5.10	0.0001325	110.48
16D26043	0.7 %	0.0397515	1.14	0.0000000	0.00	0.0000157	375.81	0.0000016	246.21	0.0589712	375.81	0.0074295	1.14	0.0000000	0.00	0.0072094	3.96	0.0000042	376.03	0.0095158	246.22	0.59923	3.95	0.0000398	375.81
16D26044	0.8 %	0.0396247	1.19	0.0000000	0.00	0.0000747	80.39	0.0000000	0.00	0.2803428	80.39	0.0074059	1.19	0.0000000	0.00	0.0068226	4.20	0.0000201	81.41	0.0000000	0.00	0.56709	4.20	0.0001894	80.40
16D26045	0.9 %	0.0495127	1.04	0.0000000	0.00	0.0000590	97.88	0.0000000	0.00	0.2213778	97.88	0.0092539	1.04	0.0000000	0.00	0.0092522	2.78	0.0000159	98.71	0.0000000	0.00	0.76903	2.78	0.0001496	97.88
16D26046	1.0 %	0.0524111	0.99	0.0000000	0.00	0.0000127	462.79	0.0000000	0.00	0.0476904	462.79	0.0097956	0.99	0.0000000	0.00	0.0095123	2.80	0.0000034	462.96	0.0000000	0.00	0.79065	2.79	0.0000322	462.79
16D26048	1.1 %	0.0540288	0.97	0.0000000	0.00	0.0000174	328.20	0.0000000	0.00	0.0654913	328.20	0.0100980	0.97	0.0000000	0.00	0.0099029	2.63	0.0000047	328.45	0.0000000	0.00	0.82312	2.63	0.0000442	328.21
16D26049	1.2 %	0.0572594	0.89	0.0000000	0.00	0.0000584	96.78	0.0000000	0.00	0.2192207	96.78	0.0107018	0.89	0.0000000	0.00	0.0107132	2.55	0.0000157	97.62	0.0000000	0.00	0.89046	2.54	0.0001481	96.79
16D26050	1.3 %	0.0620074	0.90	0.0000000	0.00	0.0000200	297.15	0.0000027	156.04	0.0750024	297.15	0.0115892	0.90	0.0000000	0.00	0.0136463	2.00	0.0000054	297.43	0.0156665	156.05	1.13426	1.99	0.0000507	297.15
16D26051	1.4 %	0.0664786	0.80	0.0000000	0.00	0.0000201	293.19	0.0000000	0.00	0.0756363	293.19	0.0124248	0.80	0.0000000	0.00	0.0135444	1.97	0.0000054	293.47	0.0000000	0.00	1.12579	1.96	0.0000511	293.19
16D26052	1.5 %	0.0705038	0.78	0.0000000	0.00	0.0000860	66.88	0.0000001	3063.89	0.3227712	66.88	0.0131772	0.78	0.0000000	0.00	0.0140878	1.92	0.0000232	68.09	0.0008066	3063.89	1.17096	1.92	0.0002181	66.89
16D26054	1.6 %	0.0867142	0.66	0.0000000	0.00	0.0000576	101.63	0.0000025	175.49	0.2164225	101.63	0.0162069	0.66	0.0000000	0.00	0.0187629	1.41	0.0000155	102.43	0.0142360	175.49	1.55954	1.40	0.0001462	101.64
16D26055	1.7 %	0.0953955	0.66	0.0000000	0.00	0.0000335	176.45	0.0000015	294.60	0.1258619	176.45	0.0178294	0.66	0.0000000	0.00	0.0237061	1.20	0.0000090	176.92	0.0083953	294.60	1.97042	1.19	0.0000850	176.46
16D26056	1.8 %	0.1157747	0.58	0.0000000	0.00	0.0000007	8343.51	0.0000062	65.86	0.0026449	8343.51	0.0216383	0.58	0.0000000	0.00	0.0276781	0.95	0.0000002	8343.52	0.0357288	65.86	2.30057	0.94	0.0000018	8343.51
16D26057	1.9 %	0.1277033	0.62	0.0000000	0.00	0.0000052	1102.81	0.0000023	196.73	0.0194271	1102.81	0.0238677	0.62	0.0000000	0.00	0.0305186	0.87	0.0000014	1102.88	0.0130708	196.73	2.53666	0.86	0.0000131	1102.81
16D26059	2.0 %	0.1234217	0.60	0.0000000	0.00	0.0000581	98.62	0.0000087	49.31	0.2181169	98.62	0.0230675	0.60	0.0000000	0.00	0.0370650	0.72	0.0000157	99.45	0.0504435	49.32	3.08079	0.70	0.0001474	98.63
16D26060	2.1 %	0.1188509	0.61	0.0000000	0.00	0.0000173	341.94	0.0000069	60.82	0.0648710	341.94	0.0222132	0.61	0.0000000	0.00	0.0408749	0.69	0.0000047	342.18	0.0398854	60.83	3.39746	0.67	0.0000438	341.94
16D26061	2.2 %	✓ 0.1332243	0.55	0.0000000	0.00	0.0000577	92.38	0.0000045	87.83	0.2167218	92.38	0.0248996	0.55	0.0000000	0.00	0.0468438	0.61	0.0000156	93.27	0.0262561	87.84	3.89359	0.59	0.0001464	92.39
16D26062	2.3 %	✓ 0.1420310	0.55	0.0000000	0.00	0.0000598	98.62	0.0000105	40.57	0.2243856	98.62	0.0265456	0.55	0.0000000	0.00	0.0496974	0.54	0.0000161	99.45	0.0606945	40.58	4.13078	0.52	0.0001516	98.63
16D26064	2.4 %	✓ 0.1410368	0.58	0.0000000	0.00	0.0000151	379.37	0.0000192	21.66	0.0566650	379.37	0.0263598	0.58	0.0000000	0.00	0.0591592	0.49	0.0000041	379.59	0.1106573	21.68	4.91723	0.46	0.0000383	379.37
16D26065	2.6 %	✓ 0.1570250	0.52	0.0000000	0.00	0.0000421	141.76	0.0000189	22.79	0.1582752	141.76	0.0293480	0.52	0.0000000	0.00	0.0777326	0.39	0.0000114	142.34	0.1090099	22.81	6.46103	0.36	0.0001069	141.77
16D26066	2.8 %	✓ 0.1637940	0.52	0.0000000	0.00	0.0000000	#####	0.0000249	16.66	0.0001819	#####	0.0306131	0.52	0.0000000	0.00	0.0963861	0.34	0.0000000	#####	0.1438496	16.68	8.01148	0.30	0.0000001	#####
16D26067	3.0 %	✓ 0.1939577	0.52	0.0000000	0.00	0.0000551	105.76	0.0000348	11.76	0.2069987	105.76	0.0362507	0.52	0.0000000	0.00	0.1287226	0.27	0.0000149	106.53	0.2010041	11.79	10.69924	0.22	0.0001398	105.76
16D26068	3.2 %	✓ 0.1573545	0.53	0.0000000	0.00	0.0000650	89.51	0.0000327	12.67	0.2441654	89.51	0.0294096	0.53	0.0000000	0.00	0.1244359	0.29	0.0000175	90.42	0.1891337	12.70	10.34294	0.24	0.0001650	89.52
16D26070	3.4 %	✓ 0.1946216	0.49	0.0000000	0.00	0.0000596	95.67	0.0000406	10.44	0.2239815	95.67	0.0363748	0.49	0.0000000	0.00	0.1641246	0.24	0.0000161	96.52	0.2343490	10.48	13.64181	0.18	0.0001513	95.68
16D26071	3.7 %	✓ 0.2369707	0.46	0.0000000	0.00	0.0000160	354.41	0.0000545	7.75	0.0600945	354.41	0.0442898	0.46	0.0000000	0.00	0.2213618	0.21	0.0000043	354.64	0.3146690	7.80	18.39928	0.14	0.0000406	354.41
16D26072	4.0 %	✓ 0.1821447	0.54	0.0000000	0.00	0.0000739	81.18	0.0000560	7.46	0.2774464	81.18	0.0340428	0.54	0.0000000	0.00	0.1917940	0.22	0.0000199	82.18	0.3231625	7.52	15.94165	0.16	0.0001874	81.19
16D26073	4.3 %	✓ 0.2317336	0.47	0.0000000	0.00	0.0000246	234.43	0.0000658	6.32	0.0923517	234.43	0.0433110	0.47	0.0000000	0.00	0.2810412	0.20	0.0000066	234.78	0.3801702	6.38	23.35975	0.12	0.0000624	234.43
16D26074	4.7 %	✓ 0.2050147	0.50	0.0000000	0.00	0.0001082	51.81	0.0000525	7.80	0.4063286	51.81	0.0383172	0.50	0.0000000	0.00	0.2519398	0.20	0.0000292	53.37	0.3030197	7.86	20.94089	0.13	0.0002745	51.83
16D26076	5.0 %	✓ 0.1660691	0.53	0.0000000	0.00	0.0000380	156.79	0.0000576	7.71	0.1428787	156.79	0.0310383	0.53	0.0000000	0.00	0.2459607	0.20	0.0000103	157.31	0.3325878	7.76	20.44391	0.13	0.0000965	156.79
16D26077	5.3 %	✓ 0.1031958	0.69	0.0000000	0.00	0.0000380	157.91	0.0000411	10.74	0.1428523	157.91	0.0192873	0.69	0.0000000	0.00	0.1622094	0.24	0.0000103	158.43	0.2374310	10.78	13.48262	0.18	0.0000965	157.92
16D26078	5.7 %	✓ 0.1568727	0.61	0.0000000	0.00	0.0000076	807.82	0.0000802	5.41	0.0283676	807.81	0.0293195	0.61	0.0000000	0.00	0.3495807	0.19	0.0000020	807.92	0.4631003	5.48	29.05667	0.11	0.0000192	807.82
16D26079	6.0 %	✓ 0.0672492	0.95	0.0000000	0.00	0.0000106	541.78	0.0000410	10.29	0.0397326	541.78	0.0125689	0.95	0.0000000	0.00	0.1661920	0.24	0.0000029	541.93	0.2367718	10.33	13.81365	0.18	0.0000268	541.78
16D26081	6.4 %	✓ 0.1492852	0.53	0.0000000	0.00	0.0000423	136.38	0.0000871	4.97	0.1586880	136.38	0.0279014	0.53	0.0000000	0.00	0.3888985	0.19	0.0000114	136.98	0.5028569	5.05	32.32470	0.10	0.0001072	136.38
16D26082	6.8 %	✓ 0.0872071	0.79	0.0000000	0.00	0.0000038	1550.34	0.0000541	8.15	0.0141279	1550.34	0.0162990	0.79	0.0000000	0.00	0.2472740	0.21	0.0000010	1550.40	0.3123768	8.20	20.55307	0.13	0.0000095	1550.35
16D26083	7.2 %	✓ 0.1158836	0.65	0.0000000	0.00	0.0000199	288.17	0.0000594	7.33	0.0747945	288.17	0.0216586	0.65	0.0000000	0.00	0.2826860	0.20	0.0000054	288.46	0.3426737	7.39	23.49647	0.12	0.0000505	288.17
16D26084	7.6 %	✓ 0.1009061	0.77	0.0000000	0.00	0.0000035	1759.76	0.0000584	7.18	0.0131958	1759.76	0.0188593	0.77	0.0000000	0.00	0.2650039	0.21	0.0000009	1759.81						

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16D26095	12.0 %	✓	0.0614395	1.03	0.0000000	0.00	0.0000722	83.54	0.0000347	12.07	0.2711859	83.54	0.0114830	1.03	0.0000000	0.00	0.1446643	0.25	0.0000195	84.52	0.1999492	12.10	12.02429	0.20	0.0001832	83.55
16D26097	12.5 %	✓	0.1304159	0.65	0.0000000	0.00	0.0000304	180.73	0.0000541	8.00	0.1143212	180.73	0.0243747	0.65	0.0000000	0.00	0.2714242	0.20	0.0000082	181.19	0.3122962	8.05	22.56040	0.12	0.0000772	180.74
16D26098	13.0 %	✓	0.1175146	0.68	0.0000000	0.00	0.0000434	128.87	0.0000575	7.47	0.1628443	128.87	0.0219635	0.68	0.0000000	0.00	0.2508564	0.20	0.0000117	129.50	0.3314907	7.52	20.85083	0.13	0.0001100	128.87
16D26099	13.5 %	✓	0.1323642	0.65	0.0000000	0.00	0.0000526	113.21	0.0000613	6.86	0.1976635	113.21	0.0247389	0.65	0.0000000	0.00	0.3008669	0.20	0.0000142	113.94	0.3533444	6.92	25.00764	0.12	0.0001335	113.22
16D26101	14.0 %	✓	0.0704965	0.89	0.0000000	0.00	0.0000343	179.66	0.0000375	11.55	0.1289824	179.66	0.0131758	0.89	0.0000000	0.00	0.1753095	0.24	0.0000093	180.11	0.2162604	11.59	14.57148	0.18	0.0000871	179.66
Σ			5.9682076	0.09	0.0000000	0.00	0.0004596	91.76	0.0016210	1.74	1.7257273	91.76	1.1154580	0.09	0.0000000	0.00	7.2993231	0.04	0.0001239	92.24	9.3568193	1.75	606.70959	0.03	0.0011659	91.77
Σ									5.9693690	0.09	1.7257273	91.76							17.771476	0.92			606.70842	0.03		

40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
87.51	0.32	48.1378	0.51	0.0000000	0.00	0.0037003	3.60
104.12	0.22	25.4345	0.74	0.0000000	0.00	0.0029945	3.88
55.82	0.37	13.9390	1.14	0.0000000	0.00	0.0016219	6.18
61.56	0.31	10.5886	1.29	0.0000000	0.00	0.0017336	5.75
89.85	0.21	11.7466	1.14	0.0000000	0.00	0.0022909	4.76
83.15	0.23	11.7091	1.19	0.0000000	0.00	0.0021680	4.97
124.52	0.16	14.6310	1.04	0.0000000	0.00	0.0029400	3.85
123.74	0.17	15.4875	0.99	0.0000000	0.00	0.0030226	3.86
139.48	0.15	15.9655	0.97	0.0000000	0.00	0.0031468	3.74
151.52	0.13	16.9201	0.89	0.0000000	0.00	0.0034042	3.68
207.60	0.10	18.3232	0.90	0.0000000	0.00	0.0043363	3.32
204.19	0.10	19.6444	0.80	0.0000000	0.00	0.0043039	3.31
219.36	0.10	20.8339	0.78	0.0000000	0.00	0.0044766	3.28
300.52	0.07	25.6240	0.66	0.0000000	0.00	0.0059621	3.01
386.55	0.06	28.1894	0.66	0.0000000	0.00	0.0075329	2.91
454.52	0.05	34.2114	0.58	0.0000000	0.00	0.0087951	2.82
507.00	0.05	37.7363	0.62	0.0000000	0.00	0.0096977	2.79
629.05	0.04	36.4711	0.60	0.0000000	0.00	0.0117779	2.75
680.64	0.04	35.1204	0.61	0.0000000	0.00	0.0129885	2.74
795.57	0.03	39.3678	0.55	0.0000000	0.00	0.0148852	2.72
845.73	0.03	41.9702	0.55	0.0000000	0.00	0.0157920	2.71
1002.23	0.03	41.6764	0.58	0.0000000	0.00	0.0187986	2.70
1320.99	0.02	46.4009	0.52	0.0000000	0.00	0.0247005	2.68
1633.20	0.02	48.4011	0.52	0.0000000	0.00	0.0306279	2.68
2192.25	0.02	57.3145	0.52	0.0000000	0.00	0.0409032	2.67
2114.10	0.01	46.4983	0.53	0.0000000	0.00	0.0395411	2.67
2793.61	0.01	57.5107	0.49	0.0000000	0.00	0.0521526	2.67
3752.15	0.01	70.0248	0.46	0.0000000	0.00	0.0703405	2.66
3255.60	0.01	53.8238	0.54	0.0000000	0.00	0.0609449	2.66
4790.13	0.01	68.4773	0.47	0.0000000	0.00	0.0893043	2.66
4288.03	0.01	60.5818	0.50	0.0000000	0.00	0.0800570	2.66
4175.60	0.01	49.0734	0.53	0.0000000	0.00	0.0781571	2.66
2752.72	0.01	30.4944	0.69	0.0000000	0.00	0.0515440	2.67
5936.55	0.01	46.3559	0.61	0.0000000	0.00	0.1110836	2.66
2826.98	0.01	19.8721	0.95	0.0000000	0.00	0.0528096	2.67
6605.78	0.00	44.1138	0.53	0.0000000	0.00	0.1235773	2.66
4199.58	0.01	25.7697	0.79	0.0000000	0.00	0.0785744	2.66
4801.52	0.01	34.2436	0.65	0.0000000	0.00	0.0898270	2.66
4491.80	0.01	29.8177	0.77	0.0000000	0.00	0.0842083	2.66
4367.36	0.01	28.3629	0.74	0.0000000	0.00	0.0816165	2.66
3194.67	0.01	23.9688	0.82	0.0000000	0.00	0.0596662	2.66
6098.28	0.01	51.8207	0.59	0.0000000	0.00	0.1137455	2.66
3275.46	0.01	22.2611	0.84	0.0000000	0.00	0.0611252	2.67
3412.97	0.01	20.4697	0.96	0.0000000	0.00	0.0637335	2.66
4500.32	0.01	33.3228	0.72	0.0000000	0.00	0.0839988	2.66
3241.64	0.01	25.2951	0.84	0.0000000	0.00	0.0604367	2.66
6800.41	0.01	54.2382	0.54	0.0000000	0.00	0.1271646	2.66

2467.94	0.01	18.1554	1.03	0.0000000	0.00	0.0459689	2.67
4606.18	0.01	38.5379	0.65	0.0000000	0.00	0.0862484	2.66
4255.68	0.01	34.7256	0.68	0.0000000	0.00	0.0797127	2.66
5095.45	0.01	39.1136	0.65	0.0000000	0.00	0.0956042	2.66
2981.50	0.01	20.8317	0.89	0.0000000	0.00	0.0557068	2.67
123482.71	0.00	1763.6053	0.09	0.0000000	0.00	2.3194508	0.49
						125248.64	0.00

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D26038	0.3 %	140.163238	3.394690	0.112933	0.222936	0.168289	0.004163	106.414	8.201812	1.00075202	6.511E-12
16D26039	0.4 %	165.445700	4.679095	0.381348	0.276610	0.109815	0.003206	106.419	8.202712	1.00075206	6.219E-12
16D26040	0.5 %	164.495865	9.178887	0.496858	0.533278	0.111093	0.006321	106.426	8.203725	1.00075210	3.349E-12
16D26041	0.6 %	159.146884	8.127009	0.432548	0.478336	0.078928	0.004154	106.431	8.204625	1.00075214	3.463E-12
16D26043	0.7 %	169.566888	6.705298	0.098417	0.369886	0.066318	0.002727	106.444	8.206651	1.00075223	4.877E-12
16D26044	0.8 %	167.338844	7.029796	0.494521	0.398091	0.069766	0.003043	106.449	8.207552	1.00075227	4.553E-12
16D26045	0.9 %	180.911971	5.024829	0.287809	0.281807	0.064447	0.001908	106.456	8.208565	1.00075232	6.679E-12
16D26046	1.0 %	176.107940	4.917347	0.060321	0.279160	0.066276	0.001962	106.461	8.209466	1.00075235	6.683E-12
16D26048	1.1 %	188.848003	4.968679	0.079561	0.261128	0.065657	0.001839	106.473	8.211380	1.00075244	7.462E-12
16D26049	1.2 %	189.137574	4.808506	0.246147	0.238299	0.064358	0.001732	106.479	8.212394	1.00075248	8.085E-12
16D26050	1.3 %	199.176705	3.968365	0.066122	0.196486	0.054685	0.001193	106.485	8.213295	1.00075252	1.084E-11
16D26051	1.4 %	198.835704	3.906523	0.067188	0.196992	0.059035	0.001250	106.491	8.214309	1.00075257	1.074E-11
16D26052	1.5 %	205.168745	3.934680	0.275699	0.184453	0.060148	0.001244	106.497	8.215211	1.00075260	1.153E-11
16D26054	1.6 %	209.154523	2.937574	0.138786	0.141059	0.055572	0.000862	106.508	8.217127	1.00075269	1.566E-11
16D26055	1.7 %	210.497833	2.499913	0.063878	0.112716	0.048400	0.000658	106.515	8.218141	1.00075273	1.991E-11
16D26056	1.8 %	212.443669	1.998093	0.001150	0.095923	0.050327	0.000556	106.521	8.219156	1.00075278	2.346E-11
16D26057	1.9 %	214.752043	1.842661	0.007659	0.084459	0.050342	0.000532	106.526	8.220058	1.00075282	2.615E-11
16D26059	2.0 %	216.017093	1.513229	0.070796	0.069822	0.040081	0.000368	106.538	8.221975	1.00075290	3.195E-11
16D26060	2.1 %	210.677049	1.421045	0.019094	0.065289	0.034989	0.000317	106.544	8.222990	1.00075294	3.436E-11
16D26061	2.2 %	✓ 214.451841	1.260332	0.055663	0.051424	0.034204	0.000275	106.550	8.223892	1.00075298	4.008E-11
16D26062	2.3 %	✓ 214.911194	1.113844	0.054322	0.053573	0.034373	0.000259	106.556	8.224907	1.00075303	4.261E-11
16D26064	2.4 %	✓ 212.300861	0.978140	0.011524	0.043718	0.028683	0.000211	106.568	8.226826	1.00075311	5.011E-11
16D26065	2.6 %	✓ 211.637056	0.758945	0.024496	0.034727	0.024312	0.000154	106.574	8.227728	1.00075315	6.564E-11
16D26066	2.8 %	✓ 209.903212	0.637446	0.000023	0.026539	0.020448	0.000123	106.580	8.228744	1.00075319	8.072E-11
16D26067	3.0 %	✓ 210.260792	0.468315	0.019347	0.020461	0.018127	0.000102	106.585	8.229647	1.00075323	1.080E-10
16D26068	3.2 %	✓ 208.896414	0.492891	0.023607	0.021129	0.015223	0.000087	106.592	8.230663	1.00075328	1.037E-10
16D26070	3.4 %	✓ 209.004604	0.371288	0.016419	0.015708	0.014265	0.000075	106.603	8.232583	1.00075336	1.369E-10
16D26071	3.7 %	✓ 207.739019	0.296172	0.003266	0.011576	0.012881	0.000062	106.610	8.233599	1.00075340	1.835E-10
16D26072	4.0 %	✓ 207.597317	0.327326	0.017404	0.014128	0.011434	0.000064	106.615	8.234503	1.00075344	1.589E-10
16D26073	4.3 %	✓ 207.994907	0.250291	0.003953	0.009268	0.009922	0.000048	106.622	8.235519	1.00075349	2.332E-10
16D26074	4.7 %	✓ 207.667959	0.263416	0.019404	0.010053	0.009788	0.000051	106.627	8.236423	1.00075353	2.087E-10
16D26076	5.0 %	✓ 206.649746	0.260048	0.006989	0.010958	0.008128	0.000044	106.639	8.238344	1.00075361	2.028E-10
16D26077	5.3 %	✓ 206.432124	0.365189	0.010595	0.016731	0.007660	0.000054	106.645	8.239361	1.00075365	1.336E-10
16D26078	5.7 %	✓ 205.908609	0.217109	0.000976	0.007887	0.005402	0.000033	106.651	8.240265	1.00075369	2.872E-10
16D26079	6.0 %	✓ 206.093509	0.371256	0.002876	0.015583	0.004872	0.000047	106.657	8.241282	1.00075374	1.367E-10
16D26081	6.4 %	✓ 205.726361	0.203183	0.004909	0.006695	0.004620	0.000025	106.669	8.243204	1.00075382	3.192E-10
16D26082	6.8 %	✓ 205.586169	0.268214	0.000687	0.010657	0.004245	0.000034	106.675	8.244222	1.00075386	2.028E-10
16D26083	7.2 %	✓ 205.812376	0.250699	0.003183	0.009173	0.004934	0.000032	106.681	8.245127	1.00075390	2.321E-10
16D26084	7.6 %	✓ 205.282020	0.270777	0.000599	0.010542	0.004584	0.000036	106.687	8.246145	1.00075395	2.170E-10
16D26085	8.0 %	✓ 205.905702	0.250528	0.012660	0.010335	0.004496	0.000033	106.692	8.247050	1.00075399	2.110E-10
16D26087	8.5 %	✓ 206.232703	0.320917	0.003491	0.014620	0.005199	0.000043	106.704	8.248973	1.00075407	1.545E-10
16D26088	9.0 %	✓ 206.710125	0.214952	0.004017	0.007483	0.005896	0.000035	106.710	8.249991	1.00075411	2.952E-10
16D26089	9.5 %	✓ 206.253758	0.347860	0.012323	0.013392	0.004717	0.000040	106.716	8.250897	1.00075415	1.583E-10
16D26090	10.0 %	✓ 205.956102	0.314741	0.002597	0.013807	0.004157	0.000040	106.722	8.251915	1.00075420	1.648E-10
16D26092	10.5 %	✓ 206.339963	0.255932	0.010043	0.010408	0.005137	0.000037	106.734	8.253840	1.00075428	2.176E-10
16D26093	11.0 %	✓ 206.657921	0.328408	0.002341	0.013981	0.005418	0.000046	106.740	8.254859	1.00075433	1.568E-10
16D26094	11.5 %	✓ 206.076974	0.201306	0.005852	0.006685	0.005522	0.000030	106.746	8.255765	1.00075436	3.290E-10

16D26095	12.0 %	✓	206.756402	0.405435	0.022553	0.018841	0.005118	0.000053	106.752	8.256784	1.00075441	1.193E-10
16D26097	12.5 %	✓	205.882116	0.250434	0.005067	0.009158	0.005784	0.000038	106.764	8.258709	1.00075449	2.230E-10
16D26098	13.0 %	✓	205.771348	0.259743	0.007810	0.010064	0.005637	0.000039	106.769	8.259616	1.00075453	2.059E-10
16D26099	13.5 %	✓	205.324875	0.248065	0.007904	0.008948	0.005293	0.000035	106.776	8.260635	1.00075458	2.465E-10
16D26101	14.0 %	✓	206.046893	0.361064	0.008852	0.015903	0.004838	0.000043	106.787	8.262562	1.00075466	1.441E-10

Procedure Blanks		36Ar [fA]	1σ	37Ar [fA]	1σ	38Ar [fA]	1σ	39Ar [fA]	1σ	40Ar [fA]	1σ
16D26038	0.3 %	0.0028118	0.0002860	0.0085295	0.0185636	0.0484692	0.0172374	0.0170500	0.0157624	0.7550645	0.1327734
16D26039	0.4 %	0.0028376	0.0002860	0.0076379	0.0185636	0.0433124	0.0172374	0.0164785	0.0157624	0.7350303	0.1327734
16D26040	0.5 %	0.0028621	0.0002860	0.0067905	0.0185636	0.0386154	0.0172374	0.0159089	0.0157624	0.7176794	0.1327734
16D26041	0.6 %	0.0028801	0.0002860	0.0061605	0.0185636	0.0353470	0.0172374	0.0154626	0.0157624	0.7064973	0.1327734
16D26043	0.7 %	0.0029096	0.0002860	0.0050988	0.0185636	0.0307668	0.0172374	0.0146422	0.0157624	0.6942332	0.1327734
16D26044	0.8 %	0.0029186	0.0002860	0.0047573	0.0185636	0.0298205	0.0172374	0.0143496	0.0157624	0.6938164	0.1327734
16D26045	0.9 %	0.0029263	0.0002860	0.0044495	0.0185636	0.0294531	0.0172374	0.0140666	0.0157624	0.6965497	0.1327734
16D26046	1.0 %	0.0029312	0.0002860	0.0042319	0.0185636	0.0296831	0.0172374	0.0138520	0.0157624	0.7015253	0.1327734
16D26048	1.1 %	0.0029369	0.0002860	0.0038985	0.0185636	0.0316556	0.0172374	0.0134947	0.0157624	0.7188491	0.1327734
16D26049	1.2 %	0.0029380	0.0002860	0.0037696	0.0185636	0.0333827	0.0172374	0.0133514	0.0157624	0.7311146	0.1327734
16D26050	1.3 %	0.0029383	0.0002860	0.0036700	0.0185636	0.0352407	0.0172374	0.0132460	0.0157624	0.7434766	0.1327734
16D26051	1.4 %	0.0029380	0.0002860	0.0035650	0.0185636	0.0376341	0.0172374	0.0131485	0.0157624	0.7587544	0.1327734
16D26052	1.5 %	0.0029375	0.0002860	0.0034703	0.0185636	0.0399817	0.0172374	0.0130774	0.0157624	0.7733349	0.1327734
16D26054	1.6 %	0.0029364	0.0002860	0.0032349	0.0185636	0.0454621	0.0172374	0.0129634	0.0157624	0.8065890	0.1327734
16D26055	1.7 %	0.0029363	0.0002860	0.0030771	0.0185636	0.0485329	0.0172374	0.0129175	0.0157624	0.8250144	0.1327734
16D26056	1.8 %	0.0029368	0.0002860	0.0028876	0.0185636	0.0516536	0.0172374	0.0128778	0.0157624	0.8437302	0.1327734
16D26057	1.9 %	0.0029378	0.0002860	0.0026878	0.0185636	0.0544305	0.0172374	0.0128455	0.0157624	0.8604552	0.1327734
16D26059	2.0 %	0.0029426	0.0002860	0.0021500	0.0185636	0.0601944	0.0172374	0.0127784	0.0157624	0.8957140	0.1327734
16D26060	2.1 %	0.0029468	0.0002860	0.0017962	0.0185636	0.0630966	0.0172374	0.0127399	0.0157624	0.9139578	0.1327734
16D26061	2.2 %	0.0029516	0.0002860	0.0014390	0.0185636	0.0655506	0.0172374	0.0127021	0.0157624	0.9297966	0.1327734
16D26062	2.3 %	0.0029583	0.0002860	0.0009875	0.0185636	0.0681399	0.0172374	0.0126542	0.0157624	0.9470964	0.1327734
16D26064	2.4 %	0.0029749	0.0002860	0.0000101	0.0185636	0.0724346	0.0172374	0.0125441	0.0157624	0.9779990	0.1327734
16D26065	2.6 %	0.0029846	0.0002860	0.0005441	0.0185636	0.0741461	0.0172374	0.0124820	0.0157624	0.9916471	0.1327734
16D26066	2.8 %	0.0029969	0.0002860	0.0011924	0.0185636	0.0758089	0.0172374	0.0124037	0.0157624	1.0062738	0.1327734
16D26067	3.0 %	0.0030091	0.0002860	0.0018087	0.0185636	0.0770394	0.0172374	0.0123263	0.0157624	1.0186176	0.1327734
16D26068	3.2 %	0.0030242	0.0002860	0.0025440	0.0185636	0.0781314	0.0172374	0.0122303	0.0157624	1.0317672	0.1327734
16D26070	3.4 %	0.0030564	0.0002860	0.0040381	0.0185636	0.0793110	0.0172374	0.0120243	0.0157624	1.0545639	0.1327734
16D26071	3.7 %	0.0030753	0.0002860	0.0048742	0.0185636	0.0794538	0.0172374	0.0119033	0.0157624	1.0656417	0.1327734
16D26072	4.0 %	0.0030931	0.0002860	0.0056365	0.0185636	0.0792970	0.0172374	0.0117895	0.0157624	1.0749867	0.1327734
16D26073	4.3 %	0.0031140	0.0002860	0.0065086	0.0185636	0.0788012	0.0172374	0.0116558	0.0157624	1.0850197	0.1327734
16D26074	4.7 %	0.0031333	0.0002860	0.0072899	0.0185636	0.0780790	0.0172374	0.0115328	0.0157624	1.0935966	0.1327734
16D26076	5.0 %	0.0031759	0.0002860	0.0089375	0.0185636	0.0756871	0.0172374	0.0112642	0.0157624	1.1111927	0.1327734
16D26077	5.3 %	0.0031990	0.0002860	0.0097832	0.0185636	0.0739680	0.0172374	0.0111217	0.0157624	1.1204425	0.1327734
16D26078	5.7 %	0.0032195	0.0002860	0.0105070	0.0185636	0.0721918	0.0172374	0.0109971	0.0157624	1.1288125	0.1327734
16D26079	6.0 %	0.0032425	0.0002860	0.0112783	0.0185636	0.0699308	0.0172374	0.0108619	0.0157624	1.1385760	0.1327734
16D26081	6.4 %	0.0032843	0.0002860	0.0125632	0.0185636	0.0649758	0.0172374	0.0106301	0.0157624	1.1587804	0.1327734
16D26082	6.8 %	0.0033051	0.0002860	0.0131243	0.0185636	0.0620384	0.0172374	0.0105259	0.0157624	1.1708654	0.1327734
16D26083	7.2 %	0.0033224	0.0002860	0.0135369	0.0185636	0.0592758	0.0172374	0.0104478	0.0157624	1.1826955	0.1327734
16D26084	7.6 %	0.0033403	0.0002860	0.0138886	0.0185636	0.0560275	0.0172374	0.0103795	0.0157624	1.1974901	0.1327734
16D26085	8.0 %	0.0033544	0.0002860	0.0140874	0.0185636	0.0530435	0.0172374	0.0103395	0.0157624	1.2121993	0.1327734
16D26087	8.5 %	0.0033776	0.0002860	0.0140911	0.0185636	0.0465322	0.0172374	0.0103332	0.0157624	1.2494080	0.1327734
16D26088	9.0 %	0.0033854	0.0002860	0.0138261	0.0185636	0.0430708	0.0172374	0.0103816	0.0157624	1.2730200	0.1327734
16D26089	9.5 %	0.0033892	0.0002860	0.0134131	0.0185636	0.0400357	0.0172374	0.0104598	0.0157624	1.2966759	0.1327734
16D26090	10.0 %	0.0033895	0.0002860	0.0127288	0.0185636	0.0367147	0.0172374	0.0105923	0.0157624	1.3266479	0.1327734
16D26092	10.5 %	0.0033769	0.0002860	0.0107217	0.0185636	0.0309006	0.0172374	0.0109896	0.0157624	1.3943966	0.1327734
16D26093	11.0 %	0.0033622	0.0002860	0.0092354	0.0185636	0.0281754	0.0172374	0.0112887	0.0157624	1.4369800	0.1327734
16D26094	11.5 %	0.0033440	0.0002860	0.0076413	0.0185636	0.0260242	0.0172374	0.0116126	0.0157624	1.4792229	0.1327734

16D26095	12.0 %	0.0033171	0.0002860	0.0055167	0.0185636	0.0239695	0.0172374	0.0120482	0.0157624	1.5321257	0.1327734
16D26097	12.5 %	0.0032456	0.0002860	0.0004525	0.0185636	0.0213847	0.0172374	0.0130996	0.0157624	1.6493319	0.1327734
16D26098	13.0 %	0.0032017	0.0002860	0.0024505	0.0185636	0.0208697	0.0172374	0.0137086	0.0157624	1.7131265	0.1327734
16D26099	13.5 %	0.0031435	0.0002860	0.0061492	0.0185636	0.0209190	0.0172374	0.0144900	0.0157624	1.7921580	0.1327734
16D26101	14.0 %	0.0030062	0.0002860	0.0144921	0.0185636	0.0231106	0.0172374	0.0162700	0.0157624	1.9644013	0.1327734

Intercept Values		36Ar [fA]	1σ	r2		37Ar [fA]	1σ	r2		38Ar [fA]	1σ	r2		39Ar [fA]	1σ	r2		40Ar [fA]	1σ	r2	
16D26038	0.3 %	0.1584368	0.0006126	0.0838	EXP 150 of 150	0.0044928	0.0177800	0.0021	EXP 150 of 150	0.0037520	0.0165702	0.0022	EXP 150 of 150	0.94270	0.01705	0.0695	EXP 150 of 150	136.41	0.03	0.9985	EXP
16D26039	0.4 %	0.0850039	0.0004806	0.4010	EXP 150 of 150	0.0279375	0.0178952	0.0146	EXP 150 of 150	0.0121615	0.0164959	0.0000	EXP 150 of 150	0.76007	0.01526	0.0803	EXP 150 of 150	130.29	0.03	0.9983	EXP
16D26040	0.5 %	0.0478793	0.0004023	0.6892	EXP 149 of 150	0.0183092	0.0194720	0.0035	EXP 150 of 150	0.0378660	0.0165737	0.0018	EXP 150 of 150	0.40465	0.01736	0.1295	EXP 150 of 150	70.48	0.02	0.9994	EXP
16D26041	0.6 %	0.0370678	0.0003205	0.7972	EXP 150 of 150	0.0171940	0.0179160	0.0027	EXP 149 of 150	0.0326330	0.0185114	0.0005	EXP 150 of 150	0.43409	0.01667	0.0663	EXP 149 of 150	72.85	0.02	0.9993	EXP
16D26043	0.7 %	0.0408781	0.0003043	0.7865	EXP 150 of 150	0.0019231	0.0187556	0.0006	EXP 150 of 150	0.0069840	0.0153325	0.0208	EXP 150 of 150	0.57955	0.01740	0.0176	EXP 150 of 150	102.30	0.02	0.9988	EXP
16D26044	0.8 %	0.0407080	0.0003277	0.7662	EXP 150 of 150	0.0286202	0.0193741	0.0175	EXP 150 of 150	0.0548770	0.0173748	0.0145	EXP 150 of 150	0.54782	0.01756	0.0224	EXP 150 of 150	95.56	0.02	0.9988	EXP
16D26045	0.9 %	0.0502912	0.0003728	0.6363	EXP 150 of 150	0.0308034	0.0179084	0.0124	EXP 150 of 150	0.0304588	0.0156575	0.0000	EXP 150 of 150	0.74870	0.01413	0.0573	EXP 150 of 150	139.85	0.02	0.9969	EXP
16D26046	1.0 %	0.0529970	0.0003788	0.6168	EXP 150 of 150	0.0014448	0.0185889	0.0002	EXP 150 of 150	0.0318358	0.0165040	0.0036	EXP 150 of 150	0.77016	0.01516	0.0150	EXP 150 of 150	139.93	0.02	0.9967	EXP
16D26048	1.1 %	0.0545772	0.0003840	0.6031	EXP 150 of 150	0.0116923	0.0175980	0.0001	EXP 150 of 150	0.0432454	0.0162886	0.0293	EXP 149 of 150	0.80280	0.01456	0.0426	EXP 150 of 150	156.17	0.03	0.9913	EXP
16D26049	1.2 %	0.0577042	0.0003629	0.6287	EXP 150 of 150	0.0298545	0.0171078	0.0059	EXP 149 of 150	0.0145536	0.0165194	0.0020	EXP 150 of 150	0.86983	0.01596	0.0118	EXP 150 of 150	169.18	0.03	0.9872	EXP
16D26050	1.3 %	0.0622071	0.0004145	0.5513	EXP 150 of 150	0.0125935	0.0189343	0.0001	EXP 150 of 150	0.0050437	0.0168015	0.0102	EXP 150 of 150	1.11160	0.01590	0.0156	EXP 150 of 150	226.67	0.03	0.5257	EXP
16D26051	1.4 %	0.0664380	0.0003765	0.5954	EXP 150 of 150	0.0054328	0.0187436	0.0008	EXP 150 of 150	0.0151745	0.0182585	0.0001	EXP 150 of 150	1.10320	0.01522	0.0012	EXP 150 of 150	224.60	0.03	0.4981	EXP
16D26052	1.5 %	0.0702207	0.0003969	0.5065	EXP 149 of 150	0.0349229	0.0177378	0.0367	EXP 150 of 150	0.0123604	0.0171772	0.0013	EXP 150 of 150	1.14789	0.01569	0.0175	EXP 149 of 150	240.97	0.03	0.9314	EXP
16D26054	1.6 %	0.0857377	0.0004064	0.4250	EXP 149 of 150	0.0225023	0.0184264	0.0117	EXP 150 of 150	0.0029791	0.0175495	0.0006	EXP 150 of 150	1.53342	0.01489	0.0010	EXP 150 of 150	326.96	0.03	0.9966	EXP
16D26055	1.7 %	0.0940545	0.0004684	0.3828	EXP 150 of 150	0.0118887	0.0187810	0.0038	EXP 150 of 150	0.0006288	0.0172028	0.0004	EXP 150 of 150	1.94097	0.01697	0.0306	EXP 150 of 150	415.58	0.04	0.9984	EXP
16D26056	1.8 %	0.1135642	0.0004906	0.3204	EXP 150 of 150	0.0032021	0.0185406	0.0006	EXP 149 of 150	0.0320968	0.0154784	0.0083	EXP 150 of 150	2.26849	0.01447	0.1057	EXP 150 of 150	489.59	0.04	0.9991	EXP
16D26057	1.9 %	0.1249534	0.0006149	0.1520	EXP 150 of 150	0.0003784	0.0174373	0.0013	EXP 150 of 150	0.0119981	0.0185451	0.0119	EXP 150 of 150	2.50263	0.01464	0.1340	EXP 150 of 150	545.61	0.04	0.9992	EXP
16D26059	2.0 %	0.1209339	0.0005562	0.3204	EXP 150 of 150	0.0280734	0.0175791	0.0073	EXP 150 of 150	0.0487133	0.0173921	0.0001	EXP 150 of 150	3.04245	0.01433	0.2034	EXP 150 of 150	666.43	0.05	0.9995	EXP
16D26060	2.1 %	0.1165300	0.0005422	0.4852	EXP 150 of 150	0.0095053	0.0187151	0.0000	EXP 150 of 150	0.0383136	0.0165312	0.0036	EXP 150 of 150	3.35641	0.01621	0.3717	EXP 150 of 150	716.69	0.04	0.9996	EXP
16D26061	2.2 %	0.1301945	0.0005324	0.4278	EXP 150 of 150	0.0243126	0.0148777	0.0385	EXP 150 of 150	0.0309413	0.0147791	0.0230	EXP 150 of 150	3.84825	0.01612	0.3470	EXP 150 of 150	835.89	0.05	0.9997	EXP
16D26062	2.3 %	0.1386196	0.0005794	0.3582	EXP 150 of 150	0.0256714	0.0186166	0.0174	EXP 150 of 150	0.0666967	0.0170388	0.0013	EXP 150 of 150	4.08350	0.01396	0.4380	EXP 150 of 150	888.67	0.05	0.9997	EXP
16D26064	2.4 %	0.1377372	0.0006185	0.4382	EXP 150 of 150	0.0067408	0.0175327	0.0019	EXP 150 of 150	0.1207506	0.0160831	0.0294	EXP 150 of 150	4.86361	0.01568	0.6332	EXP 150 of 150	1044.90	0.05	0.9998	EXP
16D26065	2.6 %	0.1530777	0.0006077	0.6509	EXP 150 of 150	0.0182539	0.0191192	0.0015	EXP 150 of 150	0.1386652	0.0173270	0.0055	EXP 150 of 150	6.39472	0.01618	0.6874	EXP 150 of 150	1368.41	0.06	0.9999	EXP
16D26066	2.8 %	0.1595232	0.0006366	0.7526	EXP 150 of 150	0.0012140	0.0171141	0.0133	EXP 150 of 150	0.1909157	0.0160540	0.0004	EXP 150 of 150	7.93220	0.01751	0.7554	EXP 150 of 150	1682.64	0.07	0.9999	EXP
16D26067	3.0 %	0.1883131	0.0007628	0.7822	EXP 150 of 150	0.0263878	0.0181951	0.0114	EXP 150 of 150	0.2833507	0.0155218	0.0197	EXP 150 of 150	10.59747	0.01619	0.8808	EXP 149 of 150	2250.62	0.07	0.9999	EXP
16D26068	3.2 %	0.1534673	0.0006095	0.8908	EXP 150 of 150	0.0264447	0.0181275	0.0004	EXP 150 of 150	0.2596425	0.0160101	0.0155	EXP 150 of 150	10.24454	0.01710	0.8601	EXP 150 of 150	2161.67	0.07	0.9999	EXP
16D26070	3.4 %	0.1889960	0.0007103	0.8871	EXP 150 of 150	0.0306242	0.0173867	0.0367	EXP 150 of 150	0.3489003	0.0166788	0.0019	EXP 150 of 150	13.51577	0.01586	0.9330	EXP 150 of 150	2852.22	0.08	0.9999	EXP
16D26071	3.7 %	0.2295337	0.0007945	0.9274	EXP 149 of 150	0.0120064	0.0171562	0.0006	EXP 150 of 150	0.4920260	0.0164417	0.0291	EXP 149 of 150	18.23376	0.01696	0.9586	EXP 150 of 150	3823.31	0.09	1.0000	EXP
16D26072	4.0 %	0.1772534	0.0007626	0.9245	EXP 149 of 150	0.0272881	0.0192289	0.0038	EXP 150 of 150	0.4613626	0.0160440	0.0958	EXP 150 of 150	15.79698	0.01635	0.9461	EXP 150 of 150	3310.56	0.09	0.9999	EXP
16D26073	4.3 %	0.2245711	0.0008069	0.9595	EXP 150 of 150	0.0174667	0.0177571	0.0217	EXP 150 of 150	0.6149871	0.0157866	0.0236	EXP 150 of 150	23.15305	0.01739	0.9731	EXP 150 of 150	4859.78	0.10	1.0000	EXP
16D26074	4.7 %	0.1989682	0.0007765	0.9581	EXP 150 of 150	0.0554978	0.0167086	0.0749	EXP 148 of 150	0.5061354	0.0153750	0.0137	EXP 148 of 150	20.75428	0.01623	0.9668	EXP 150 of 150	4349.79	0.11	1.0000	EXP
16D26076	5.0 %	0.1619436	0.0006674	0.9693	EXP 150 of 150	0.0080100	0.0190119	0.0026	EXP 150 of 150	0.5246278	0.0181646	0.0046	EXP 150 of 150	20.26209	0.01513	0.9727	EXP 150 of 150	4225.86	0.10	1.0000	EXP
16D26077	5.3 %	0.1018765	0.0005484	0.9670	EXP 150 of 150	0.0071591	0.0192662	0.0011	EXP 150 of 150	0.3385909	0.0181162	0.0128	EXP 150 of 150	13.35905	0.01534	0.9242	EXP 150 of 150	2784.39	0.08	0.9999	EXP
16D26078	5.7 %	0.1531927	0.0007602	0.9825	EXP 150 of 150	0.0071430	0.0198465	0.0276	EXP 150 of 150	0.7569898	0.0170777	0.0276	EXP 150 of 150	28.80314	0.01802	0.9819	EXP 150 of 150	5984.15	0.13	1.0000	EXP
16D26079	6.0 %	0.0675473	0.0005109	0.9789	EXP 150 of 150	0.0065671	0.0175177	0.0104	EXP 150 of 150	0.3392775	0.0165491	0.0057	EXP 150 of 150	13.68750	0.01676	0.9168	EXP 150 of 150	2848.05	0.08	0.9999	EXP
16D26081	6.4 %	0.1459668	0.0005850	0.9914	EXP 150 of 150	0.0313748	0.0177077	0.0383	EXP 150 of 150	0.8406663	0.0168972	0.0289	EXP 150 of 150	32.04414	0.01791	0.9853	EXP 150 of 150	6651.18	0.14	1.0000	EXP
16D26082	6.8 %	0.0866782	0.0005420	0.9872	EXP 150 of 150	0.0147989	0.0181496	0.0120	EXP 150 of 150	0.5051405	0.0179684	0.0017	EXP 149 of 150	20.37096	0.01683	0.9650	EXP 150 of 150	4226.60	0.09	1.0000	EXP
16D26083	7.2 %	0.1140850	0.0005790	0.9870	EXP 150 of 150	0.0224013	0.0175477	0.0067	EXP 150 of 150	0.5778853	0.0174290	0.0001	EXP 150 of 150	23.28983	0.01811	0.9695	EXP 150 of 150	4837.04	0.11	1.0000	EXP
16D26084	7.6 %	0.0998135	0.0006287	0.9837	EXP 150 of 150	0.0123249	0.0203133	0.0209	EXP 150 of 150	0.5552931	0.0161128	0.0025	EXP 150 of 150	21.83251	0.01950	0.9599	EXP 150 of 150	4522.90	0.12	1.0000	EXP
16D26085	8.0 %	0.0950554	0.0005568	0.9868	EXP 149 of 150	0.0461126	0.0184087	0.0494	EXP 150 of 150	0.5732640	0.0148598	0.0617	EXP 150 of 150	21.16006	0.01503	0.9716	EXP 150 of 150	4397.01	0.11	1.0000	EXP
16D26087	8.5 %	0.0809083	0.0005261	0.9791	EXP 149 of 150	0.0205459	0.0196462	0.0073	EXP 150 of 150	0.4081785	0.0172838	0.0262	EXP 150 of 150	15.46651	0.01517	0.9485	EXP 150 of 150	3219.95	0.10	0.9999	EXP
16D26088	9.0 %	0.1709897	0.0008298	0.9798	EXP 150 of 150	0.0279821	0.0187281	0.0412	EXP 150 of 150	0.7900782	0.0166289	0.0244	EXP 150 of 150	29.49411	0.01806	0.9822	EXP 150 of 150	6151.49	0.12	1.0000	EXP
16D26089	9.5 %	0.0754580	0.0004963	0.9843	EXP 150 of 150	0.0099226	0.0172764	0.0000	EXP 150 of 150	0.3933044	0.0154469	0.0052	EXP 150 of 150	15.84500	0.01898	0.9256	EXP 150 of 150	3299.07	0.09	0.9999	EXP
16D26090	10.0 %	0.0696058	0.0005341	0.9830	EXP 150 of 150	0.0178565	0.0199600	0.0165	EXP 150 of 150	0.4100006	0.0170526	0.0046	EXP 150 of 150	16.52128	0.01656	0.9457	EXP 150 of 150	3434.83	0.0		

16D26095	12.0 %	0.0621237	0.0005032	0.9785	EXP 150 of 150	0.0265781	0.0193466	0.0007	EXP 150 of 150	0.3267240	0.0162354	0.0507	EXP 150 of 150	11.91205	0.01543	0.8861	EXP 150 of 150	2487.67	0.08	0.9999	EXP
16D26097	12.5 %	0.1279367	0.0006695	0.9796	EXP 150 of 150	0.0130742	0.0159076	0.0038	EXP 150 of 150	0.5774592	0.0172910	0.0001	EXP 150 of 150	22.35904	0.01676	0.9718	EXP 150 of 150	4646.45	0.11	1.0000	EXP
16D26098	13.0 %	0.1154984	0.0006380	0.9804	EXP 150 of 150	0.0168155	0.0164856	0.0209	EXP 150 of 150	0.5742277	0.0169400	0.0222	EXP 150 of 150	20.66295	0.01588	0.9701	EXP 150 of 150	4292.19	0.10	1.0000	EXP
16D26099	13.5 %	0.1296236	0.0006928	0.9831	EXP 150 of 150	0.0172333	0.0188717	0.0270	EXP 150 of 150	0.6476790	0.0161754	0.0051	EXP 149 of 150	24.78424	0.01974	0.9689	EXP 150 of 150	5136.45	0.13	1.0000	EXP
16D26101	14.0 %	0.0703675	0.0004865	0.9811	EXP 150 of 150	0.0007623	0.0201608	0.0060	EXP 150 of 150	0.3754630	0.0174219	0.0180	EXP 150 of 150	14.43348	0.01744	0.9132	EXP 150 of 150	3004.36	0.09	0.9999	EXP

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Sample Parameters		Sample	Material	Location	Analyst	Temp	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air 40Ar/36Ar	%1σ
16D26038	0.3 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26039	0.4 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26040	0.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26041	0.6 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.6	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26043	0.7 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.7	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26044	0.8 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.8	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26045	0.9 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	0.9	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26046	1.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26048	1.1 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.1	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26049	1.2 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.2	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26050	1.3 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26051	1.4 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26052	1.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26054	1.6 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.6	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26055	1.7 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.7	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26056	1.8 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.8	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26057	1.9 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	1.9	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26059	2.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26060	2.1 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.1	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26061	2.2 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.2	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26062	2.3 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26064	2.4 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26065	2.6 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.6	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26066	2.8 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	2.8	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26067	3.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26068	3.2 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	3.2	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26070	3.4 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	3.4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26071	3.7 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	3.7	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26072	4.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26073	4.3 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	4.3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26074	4.7 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	4.7	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26076	5.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26077	5.3 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	5.3	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26078	5.7 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	5.7	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26079	6.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	6	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26081	6.4 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	6.4	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26082	6.8 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	6.8	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26083	7.2 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	7.2	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26084	7.6 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	7.6	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26085	8.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	8	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26087	8.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	8.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26088	9.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	9	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26089	9.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	9.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26090	10.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	10	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26092	10.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	10.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26093	11.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	11	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26094	11.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	11.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12

16D26095	12.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	12	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26097	12.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	12.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26098	13.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	13	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26099	13.5 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	13.5	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12
16D26101	14.0 %	MB04-1	Biotite	South Shetlands Islands	Dan Miggins	14	FCT-NM (3C8-16)	28.201	0.082	Kuiper et al (2008)	9.8808	0.112	0.00159070	0.112	304.771	0.12

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MDF (lin)	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
0.992385281	0.065	1	4.8E-14	23	JUL	2016	2	29	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	2	37	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	2	46	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	2	54	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	3	12	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	3	20	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	3	29	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	3	37	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	3	54	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	3	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	11	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	20	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	28	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	45	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	4	54	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	3	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	11	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	28	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	37	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	45	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	5	54	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	6	11	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	6	19	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	6	28	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	6	36	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	6	45	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	2	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	11	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	19	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	28	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	36	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	7	53	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	2	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	10	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	19	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	36	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	45	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	8	53	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	2	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	10	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	27	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	36	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	44	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	9	53	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	10	10	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	10	19	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	10	27	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01

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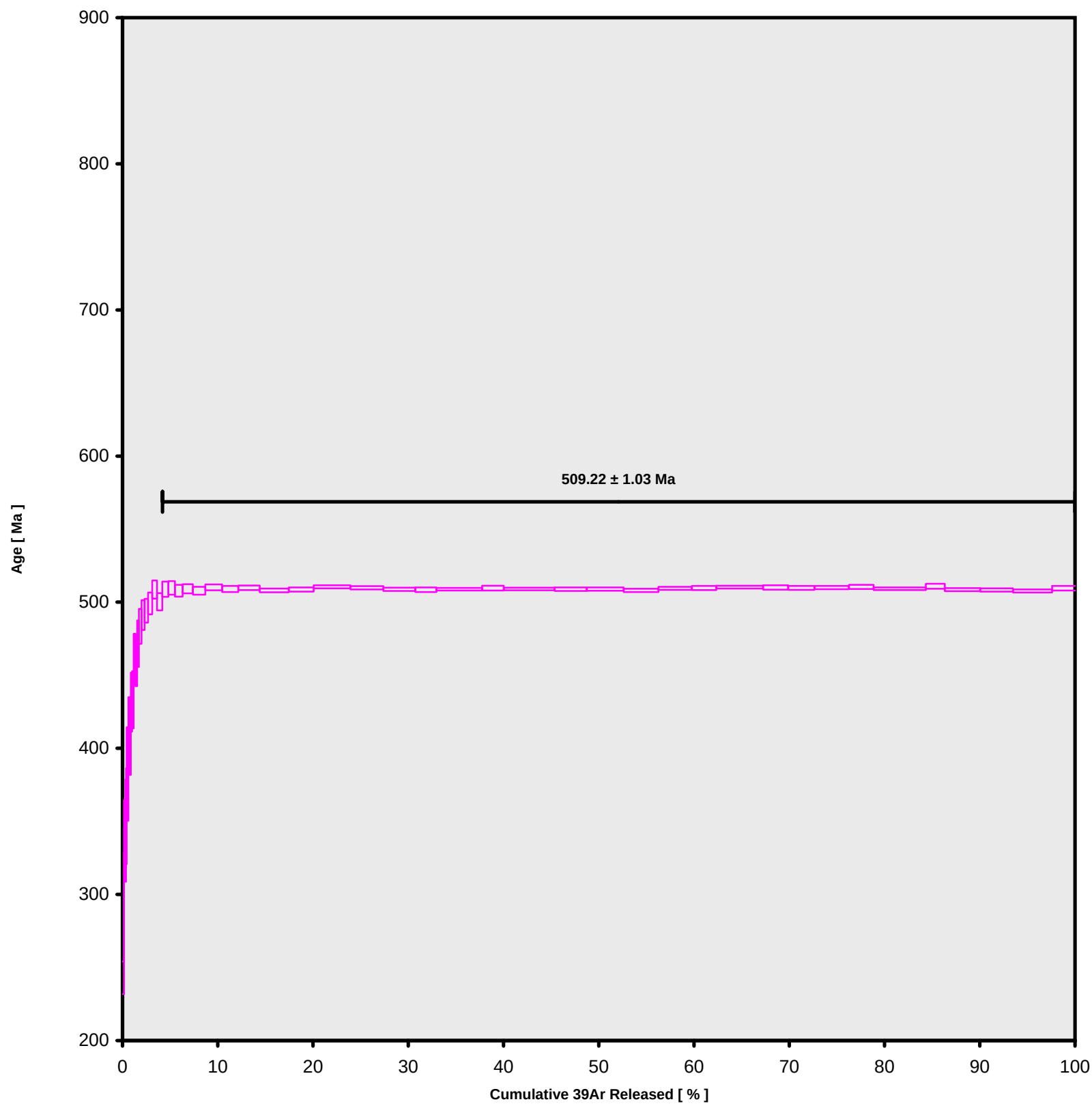
0.992385281	0.065	1	4.8E-14	23	JUL	2016	10	36	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	10	53	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	11	1	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	11	10	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01
0.992385281	0.065	1	4.8E-14	23	JUL	2016	11	27	1	16-OSU-03	0.00	0.00	13.09	Antarctica\Gao (15-54)	16D26032	01

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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		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ	
16D26038	0.3 %	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
16D26039	0.4 %	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
16D26040	0.5 %	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
16D26041	0.6 %	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
16D26043	0.7 %	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
16D26044	0.8 %	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
16D26045	0.9 %	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
16D26046	1.0 %	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
16D26048	1.1 %	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
16D26049	1.2 %	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
16D26050	1.3 %	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
16D26051	1.4 %	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
16D26052	1.5 %	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
16D26054	1.6 %	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
16D26055	1.7 %	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
16D26056	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
16D26057	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
16D26059	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
16D26060	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
16D26061	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
16D26062	2.3 %	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
16D26064	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
16D26065	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
16D26066	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
16D26067	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
16D26068	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
16D26070	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
16D26071	3.7 %	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
16D26072	4.0 %	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
16D26073	4.3 %	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
16D26074	4.7 %	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
16D26076	5.0 %	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
16D26077	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
16D26078	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
16D26079	6.0 %	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
16D26081	6.4 %	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
16D26082	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
16D26083	7.2 %	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
16D26084	7.6 %	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
16D26085	8.0 %	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
16D26087	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
16D26088	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
16D26089	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
16D26090	10.0 %	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
16D26092	10.5 %	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
16D26093	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
16D26094	11.5 %	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</						

16D26095	12.0 %	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
16D26097	12.5 %	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
16D26098	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
16D26099	13.5 %	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
16D26101	14.0 %	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

16D26032.AGE >>> MB04-1 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

509.22 ± 1.03

TOTAL FUSION

507.18 ± 1.03

NORMAL ISOCHRON

509.32 ± 1.15

INVERSE ISOCHRON

509.24 ± 1.15

MSWD (PROBABILITY)

1.57 (2%)

Sample Info

Biotite

South Shetlands

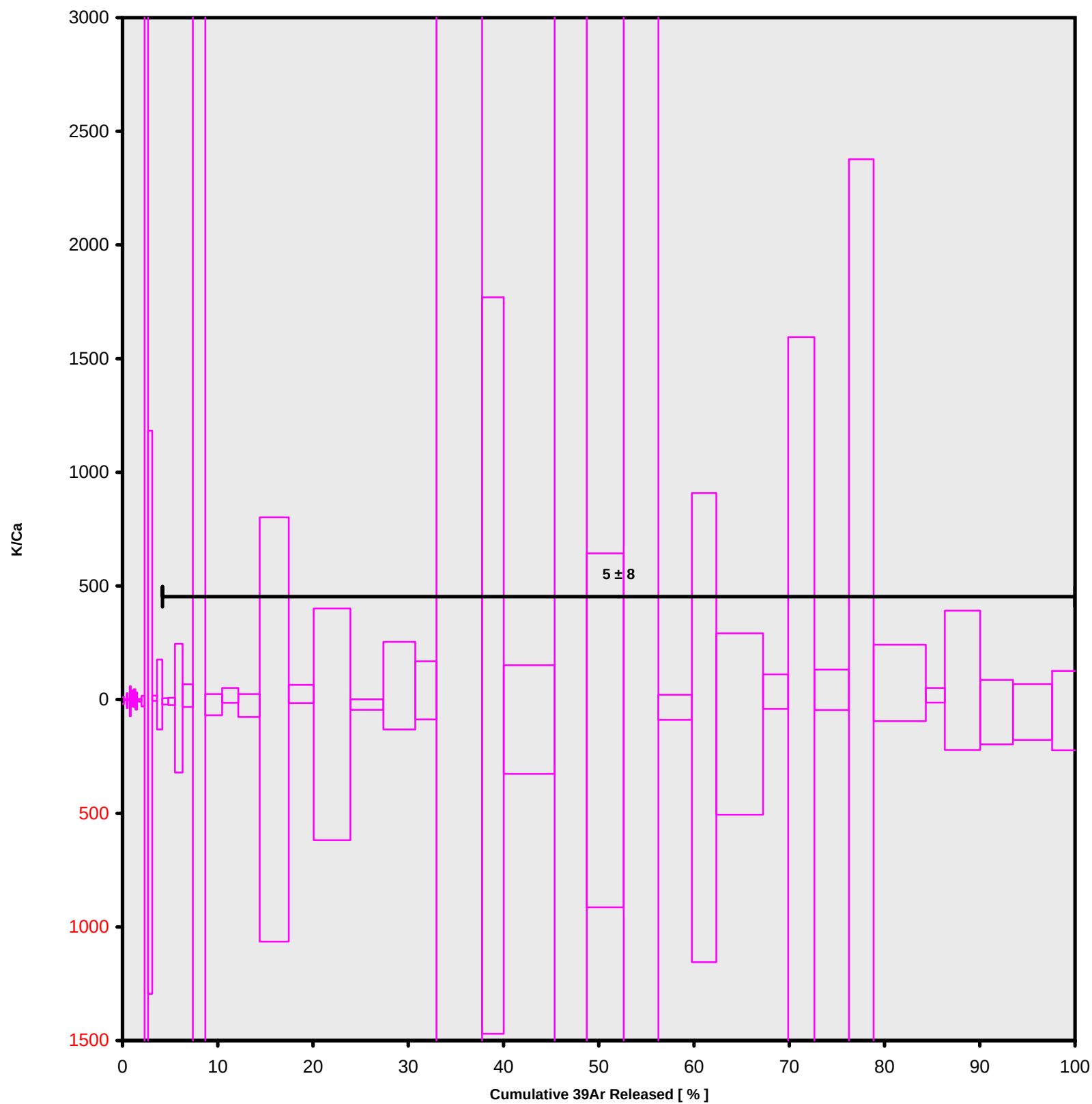
Islands

Dan Miggins

IRR = 16-OSU-03 (3C8-16)

J = 0.00159070 ± 0.00000178

16D26032.AGE >>> MB04-1 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
509.22 ± 1.03

TOTAL FUSION
507.18 ± 1.03

NORMAL ISOCHRON
509.32 ± 1.15

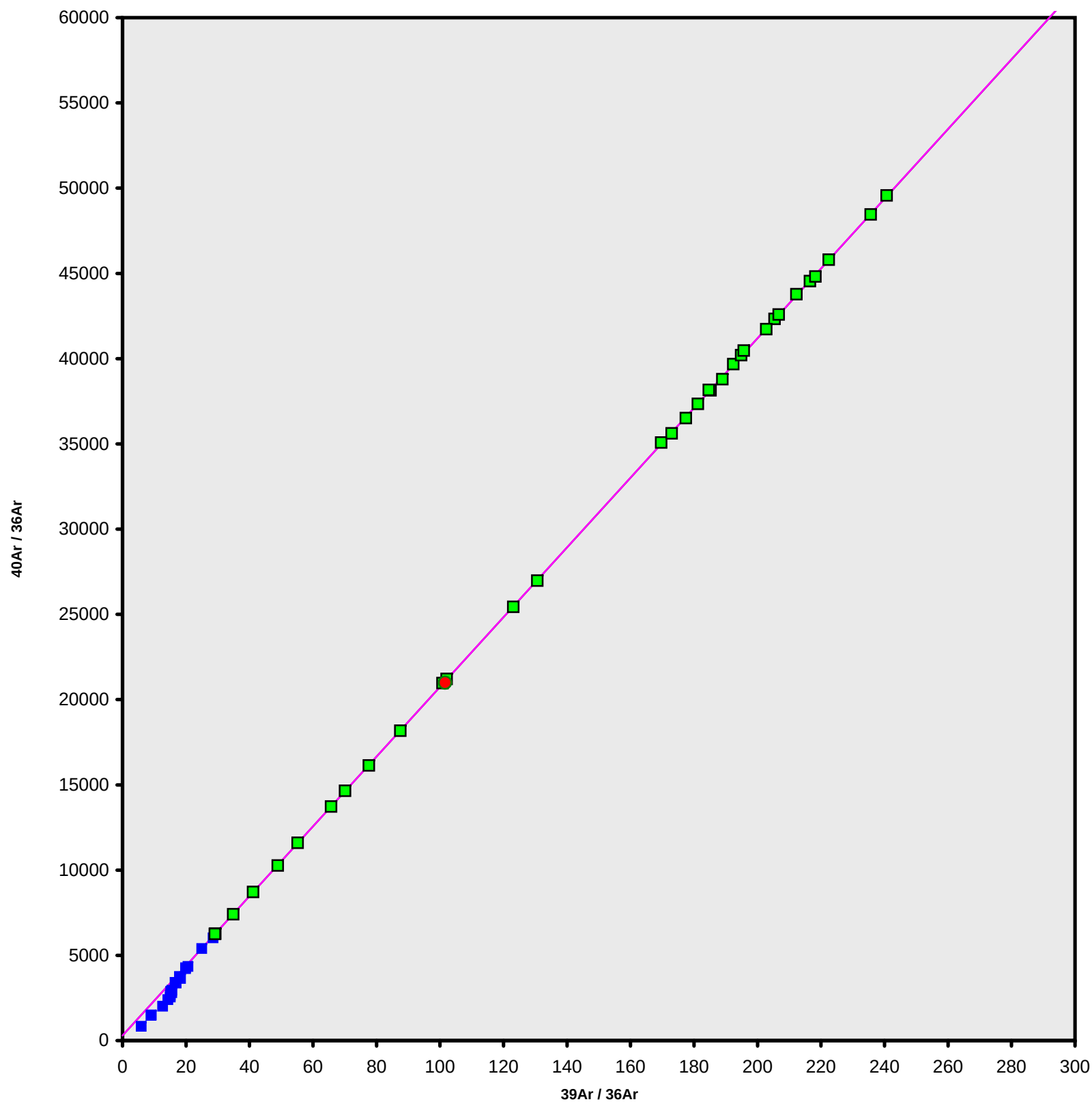
INVERSE ISOCHRON
509.24 ± 1.15

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C8-16)
J = 0.00159070 ± 0.00000178

16D26032.AGE >>> MB04-1 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

509.22 ± 1.03

TOTAL FUSION

507.18 ± 1.03

NORMAL ISOCHRON

509.32 ± 1.15

INVERSE ISOCHRON

509.24 ± 1.15

MSWD (PROBABILITY)

1.63 (2%)

40AR/36AR INTERCEPT

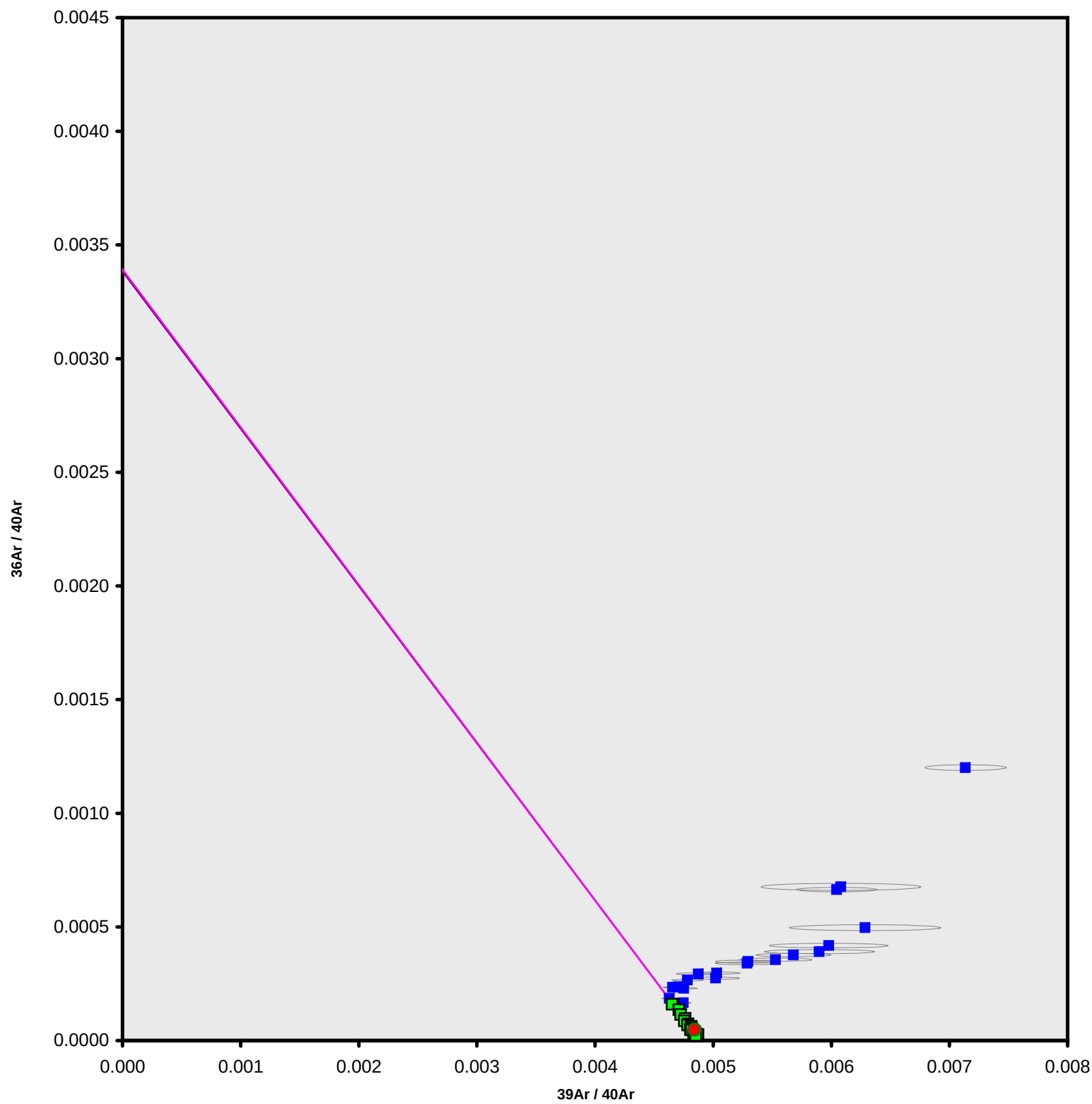
290.2 ± 33.1

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C8-16)
J = 0.00159070 ± 0.00000178

16D26032.AGE >>> MB04-1 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

509.22 ± 1.03

TOTAL FUSION

507.18 ± 1.03

NORMAL ISOCHRON

509.32 ± 1.15

INVERSE ISOCHRON

509.24 ± 1.15

MSWD (PROBABILITY)

1.62 (2%)

SPREADING FACTOR

4.4%

40AR/36AR INTERCEPT

294.8 ± 31.5

Sample Info

Biotite

South Shetlands

Islands

Dan Miggins

IRR = 16-OSU-03 (3C8-16)

$J = 0.00159070 \pm$

0.00000178

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
16D26178	0.3 %	0.7072738	0.0230933	0.0288931	4.16495	339.19	219.74 ± 3.13	61.87	0.76	77.6 ± 1462.4
16D26179	0.4 %	0.2331009	0.3877865	0.0073704	2.13194	258.00	317.60 ± 8.00	78.93	0.39	2.4 ± 2.6
16D26180	0.5 %	0.1125621	0.1888583	0.0000000	1.08872	132.36	318.94 ± 15.80	79.91	0.20	2.5 ± 5.8
16D26181	0.6 %	0.0911640	0.1944108	0.0000000	0.84454	109.29	337.69 ± 21.82	80.22	0.15	1.9 ± 4.3
16D26183	0.7 %	0.0872126	0.1082806	0.0082735	1.00717	144.36	370.54 ± 19.85	84.85	0.18	4.0 ± 16.8
16D26184	0.8 %	0.0621380	0.3827069	0.0188222	0.71433	109.53	393.77 ± 29.94	85.64	0.13	0.8 ± 1.0
16D26185	0.9 %	0.0634440	0.1839276	0.0257208	0.62608	93.53	384.65 ± 33.23	83.30	0.11	1.5 ± 3.4
16D26186	1.0 %	0.0520064	0.2435800	0.0000000	0.58858	88.75	387.87 ± 35.85	85.24	0.11	1.0 ± 1.9
16D26188	1.1 %	0.0817851	0.1100595	0.0032327	1.14049	194.83	433.70 ± 20.93	88.96	0.21	4.5 ± 18.1
16D26189	1.2 %	0.1147648	0.0791938	0.0314984	1.60275	275.81	436.53 ± 14.77	89.05	0.29	8.7 ± 49.8
16D26190	1.3 %	0.0715739	0.2876307	0.0258801	0.98359	166.76	430.80 ± 23.49	88.74	0.18	1.5 ± 2.2
16D26191	1.4 %	0.0872391	0.3055963	0.0052037	1.39546	245.44	445.06 ± 16.55	90.49	0.26	2.0 ± 2.9
16D26192	1.5 %	0.0806066	0.0701665	0.0218540	1.22590	219.64	452.42 ± 19.82	90.21	0.22	7.5 ± 49.0
16D26194	1.6 %	0.1215549	0.0812397	0.0146765	2.12319	392.66	465.26 ± 11.74	91.62	0.39	11.2 ± 59.9
16D26195	1.7 %	0.0977033	0.0382273	0.0126896	1.61944	299.53	465.31 ± 14.83	91.21	0.30	18.2 ± 211.1
16D26196	1.8 %	0.2003105	0.1544364	0.0498673	3.81584	696.82	460.10 ± 6.45	92.17	0.70	10.6 ± 32.0
16D26197	1.9 %	0.1867895	0.2895285	0.0148829	3.82545	715.44	469.88 ± 6.73	92.84	0.70	5.7 ± 8.7
16D26199	2.0 %	0.2209231	0.1979636	0.0361766	3.88418	734.91	474.71 ± 6.63	91.84	0.71	8.4 ± 19.5
16D26200	2.1 %	0.1543512	0.0249096	0.0017444	3.46063	657.54	476.47 ± 7.42	93.51	0.63	59.7 ± 1021.9
16D26201	2.2 %	0.1214398	0.0800556	0.0000000	2.69329	521.47	484.42 ± 9.83	93.56	0.49	14.5 ± 82.2
16D26202	2.3 %	0.1393339	0.0290335	0.0445997	3.76931	737.81	489.07 ± 6.91	94.71	0.69	55.8 ± 868.0
16D26204	2.4 %	0.1186423	0.1361705	0.0452635	3.42455	661.46	483.39 ± 7.53	94.96	0.63	10.8 ± 34.9
16D26205	2.6 %	0.1724584	0.1542538	0.0413939	5.73305	1149.35	499.41 ± 4.74	95.75	1.05	16.0 ± 47.7
16D26206	2.8 %	0.1836632	0.0029046	0.0347455	6.84531	1377.33	501.00 ± 3.92	96.21	1.25	1013.4 #####
16D26207	3.0 %	0.2411220	0.1848011	0.0767229	10.10987	2054.66	505.40 ± 2.72	96.65	1.85	23.5 ± 57.6
16D26208	3.2 %	0.1882011	0.0112450	0.0719080	9.62226	1942.05	502.35 ± 2.83	97.21	1.76	367.9 ± 14012.9
16D26210	3.4 %	0.1930738	0.0994159	0.0848907	11.53639	2359.92	508.28 ± 2.42	97.64	2.11	49.9 ± 221.1
16D26211	3.7 %	0.2363377	0.0472804	0.1113667	15.27566	3144.78	511.11 ± 1.89	97.83	2.80	138.9 ± 1294.7
16D26212	4.0 %	0.1842536	0.1740310	0.0816767	11.47441	2369.67	512.51 ± 2.42	97.75	2.10	28.4 ± 70.7
16D26213	4.3 %	0.1557070	0.1941669	0.0825280	11.58267	2395.55	513.17 ± 2.50	98.11	2.12	25.7 ± 57.1
16D26214	4.7 %	0.3215052	0.2919662	0.2229491	30.31302	6322.77	516.97 ± 1.09	98.52	5.55	44.6 ± 68.8
16D26216	5.0 %	0.1869061	0.1024116	0.1447157	21.24003	4410.05	514.91 ± 1.44	98.76	3.89	89.2 ± 397.4
16D26217	5.3 %	0.2021180	0.0960711	0.1911661	24.45207	5102.08	517.13 ± 1.27	98.84	4.48	109.4 ± 504.6
16D26218	5.7 %	0.1453776	0.2303539	0.1262337	18.68330	3882.60	515.30 ± 1.58	98.90	3.42	34.9 ± 67.8
16D26219	6.0 %	0.1731384	0.2453951	0.1611773	23.52453	4896.46	516.02 ± 1.34	98.96	4.31	41.2 ± 74.7
16D26221	6.4 %	0.1213992	0.0155411	0.1304277	18.83262	3921.28	516.18 ± 1.60	99.09	3.45	521.1 ± 14838.6
16D26222	6.8 %	0.1153541	0.1075583	0.1353032	19.35004	4031.81	516.49 ± 1.53	99.16	3.54	77.4 ± 319.8
16D26223	7.2 %	0.0697786	0.4011169	0.0856617	12.21747	2545.93	516.54 ± 2.26	99.19	2.24	13.1 ± 14.0
16D26224	7.6 %	0.0779442	0.0588142	0.1065108	14.69199	3057.45	515.93 ± 1.90	99.25	2.69	107.4 ± 845.2
16D26225	8.0 %	0.0727991	0.0158906	0.1043130	13.19093	2742.19	515.46 ± 2.14	99.22	2.42	356.9 ± 10104.3
16D26227	8.5 %	✓ 0.0943646	0.2142766	0.1280785	17.47131	3654.61	518.25 ± 1.69	99.24	3.20	35.1 ± 73.8
16D26228	9.0 %	✓ 0.0761169	0.1685603	0.0867523	15.27707	3194.08	518.03 ± 1.95	99.30	2.80	39.0 ± 101.2
16D26229	9.5 %	✓ 0.0798399	0.1375031	0.1026401	16.07816	3364.39	518.41 ± 1.80	99.30	2.94	50.3 ± 158.4
16D26230	10.0 %	✓ 0.1154160	0.2974637	0.1257855	24.24244	5081.75	519.21 ± 1.31	99.33	4.44	35.0 ± 56.5
16D26232	10.5 %	✓ 0.0919631	0.4315748	0.1535581	18.03472	3781.79	519.36 ± 1.62	99.28	3.30	18.0 ± 19.3
16D26233	11.0 %	✓ 0.0854205	0.0198458	0.1282226	17.09531	3589.12	519.91 ± 1.70	99.30	3.13	370.4 ± 8214.5
16D26234	11.5 %	✓ 0.0696891	0.2780199	0.1157329	15.03605	3154.17	519.53 ± 1.92	99.35	2.75	23.3 ± 38.3

16D26235	12.0 %	✓	0.1038556	0.1887464	0.1548186	20.19273	4245.12	520.51 ± 1.47	99.28	3.70	46.0 ± 108.3
16D26237	12.5 %	✓	0.0737184	0.5406310	0.1216159	13.88036	2921.93	521.11 ± 2.06	99.26	2.54	11.0 ± 9.3
16D26238	13.0 %	✓	0.0852576	0.3405279	0.1298386	18.66952	3921.79	520.16 ± 1.58	99.36	3.42	23.6 ± 31.6
16D26239	13.5 %	✓	0.1195331	0.1821109	0.1948407	24.65388	5155.48	518.11 ± 1.26	99.32	4.51	58.2 ± 141.1
16D26241	14.0 %	✓	0.1027441	0.0721129	0.1705418	20.68278	4346.23	520.32 ± 1.43	99.30	3.79	123.3 ± 794.7
Σ			7.3449760	4.6267134	4.0027656	546.12034	111911.51				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = MB04-7	Age Plateau	209.70057 ± 0.26775 ± 0.13%	519.37 ± 1.16 ± 0.22%	1.57 10%	40.52 12	14.5 ± 7.8
Material = Biotite			Full External Error ± 11.04	1.85	2σ Confidence Limit	
Location = South Shetlands Islands			Analytical Error ± 0.58	1.2522	Error Magnification	
Analyst = Dan Miggins						
Project = ANTARCTICA GAO (15-54)						
Mass Discrimination Law = LIN						
Irradiation = 16-OSU-03 (3C11-16)	Total Fusion Age	204.92097 ± 0.17126 ± 0.08%	509.06 ± 1.05 ± 0.21%		52	50.8 ± 35.4
J = 0.00158659 ± 0.00000176			Full External Error ± 10.82			
FCT-NM = 28.201 ± 0.023 Ma			Analytical Error ± 0.37			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D26178	0.3 %	5.89 ± 0.09	775.07 ± 5.10	0.4073
16D26179	0.4 %	9.15 ± 0.26	1402.31 ± 12.20	0.2982
16D26180	0.5 %	9.67 ± 0.53	1471.34 ± 17.06	0.2022
16D26181	0.6 %	9.26 ± 0.67	1494.33 ± 19.96	0.1776
16D26183	0.7 %	11.55 ± 0.70	1950.77 ± 25.92	0.2131
16D26184	0.8 %	11.50 ± 0.99	2058.21 ± 35.66	0.1950
16D26185	0.9 %	9.87 ± 0.96	1769.74 ± 28.78	0.1602
16D26186	1.0 %	11.32 ± 1.18	2002.01 ± 36.69	0.1690
16D26188	1.1 %	13.94 ± 0.78	2677.70 ± 34.66	0.2281
16D26189	1.2 %	13.97 ± 0.55	2698.79 ± 30.59	0.2824
16D26190	1.3 %	13.74 ± 0.87	2625.47 ± 40.07	0.2378
16D26191	1.4 %	16.00 ± 0.70	3108.87 ± 41.88	0.3029
16D26192	1.5 %	15.21 ± 0.78	3020.32 ± 40.03	0.2553
16D26194	1.6 %	17.47 ± 0.54	3525.77 ± 40.07	0.3674
16D26195	1.7 %	16.58 ± 0.63	3361.20 ± 42.83	0.3301
16D26196	1.8 %	19.05 ± 0.35	3774.20 ± 35.20	0.5059
16D26197	1.9 %	20.48 ± 0.38	4125.68 ± 38.14	0.4934
16D26199	2.0 %	17.58 ± 0.32	3622.06 ± 31.66	0.4816
16D26200	2.1 %	22.42 ± 0.46	4555.53 ± 47.39	0.5055
16D26201	2.2 %	22.18 ± 0.57	4589.58 ± 51.14	0.4329
16D26202	2.3 %	27.05 ± 0.53	5590.79 ± 64.22	0.5801
16D26204	2.4 %	28.86 ± 0.65	5870.72 ± 80.51	0.6110
16D26205	2.6 %	33.24 ± 0.49	6960.00 ± 70.83	0.6837
16D26206	2.8 %	37.27 ± 0.49	7794.73 ± 74.81	0.7311
16D26207	3.0 %	41.93 ± 0.43	8816.75 ± 72.78	0.8014
16D26208	3.2 %	51.13 ± 0.61	10614.51 ± 107.86	0.8445
16D26210	3.4 %	59.75 ± 0.66	12518.37 ± 120.93	0.8705
16D26211	3.7 %	64.63 ± 0.63	13601.78 ± 120.10	0.9016
16D26212	4.0 %	62.28 ± 0.73	13156.39 ± 137.23	0.8871
16D26213	4.3 %	74.39 ± 0.87	15680.46 ± 160.36	0.8776
16D26214	4.7 %	94.28 ± 0.80	19961.65 ± 163.32	0.9586
16D26216	5.0 %	113.64 ± 1.20	23890.50 ± 240.55	0.9529
16D26217	5.3 %	120.98 ± 1.28	25538.56 ± 260.01	0.9635
16D26218	5.7 %	128.52 ± 1.51	27002.54 ± 302.64	0.9538
16D26219	6.0 %	135.87 ± 1.64	28576.10 ± 334.73	0.9690
16D26221	6.4 %	155.13 ± 1.97	32596.20 ± 397.46	0.9599
16D26222	6.8 %	167.74 ± 2.20	35247.12 ± 446.45	0.9658
16D26223	7.2 %	175.09 ± 3.25	36781.36 ± 657.49	0.9625
16D26224	7.6 %	188.49 ± 3.21	39521.66 ± 652.56	0.9688
16D26225	8.0 %	181.20 ± 3.04	37963.44 ± 610.65	0.9588
16D26227	8.5 % ✓	185.15 ± 3.08	39024.14 ± 632.65	0.9742
16D26228	9.0 % ✓	200.71 ± 3.25	42258.27 ± 659.91	0.9636
16D26229	9.5 % ✓	201.38 ± 3.53	42434.75 ± 724.30	0.9737
16D26230	10.0 % ✓	210.04 ± 2.84	44325.41 ± 586.26	0.9768
16D26232	10.5 % ✓	196.11 ± 3.26	41418.43 ± 671.81	0.9765
16D26233	11.0 % ✓	200.13 ± 3.31	42312.60 ± 681.38	0.9739
16D26234	11.5 % ✓	215.76 ± 3.92	45556.03 ± 805.42	0.9724

16D26235	12.0 %	✓	194.43 ± 2.88	41170.73 ± 594.99	0.9757
16D26237	12.5 %	✓	188.29 ± 3.31	39931.87 ± 678.20	0.9659
16D26238	13.0 %	✓	218.98 ± 3.63	46294.82 ± 751.06	0.9777
16D26239	13.5 %	✓	206.25 ± 2.61	43425.61 ± 536.00	0.9751
16D26241	14.0 %	✓	201.30 ± 2.85	42596.98 ± 588.00	0.9746

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	298.73 ± 1238.99 ± 414.75%	209.68902 ± 6.14292 ± 2.93%	519.35 ± 13.26 ± 2.55% Full External Error ± 17.21 Analytical Error ± 13.22	1.72 7%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.89 1.3131 12	Convergence Number of Iterations Calculated Line	0.002090424898 35 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D26178	0.3 %	0.0075977 ± 0.0001107	0.00129021 ± 0.00000848	0.0052
16D26179	0.4 %	0.0065221 ± 0.0001784	0.00071311 ± 0.00000621	0.0058
16D26180	0.5 %	0.0065737 ± 0.0003545	0.00067965 ± 0.00000788	0.0085
16D26181	0.6 %	0.0061994 ± 0.0004385	0.00066920 ± 0.00000894	0.0084
16D26183	0.7 %	0.0059199 ± 0.0003503	0.00051262 ± 0.00000681	0.0064
16D26184	0.8 %	0.0055853 ± 0.0004722	0.00048586 ± 0.00000842	0.0061
16D26185	0.9 %	0.0055761 ± 0.0005344	0.00056505 ± 0.00000919	0.0075
16D26186	1.0 %	0.0056531 ± 0.0005801	0.00049950 ± 0.00000915	0.0072
16D26188	1.1 %	0.0052078 ± 0.0002825	0.00037345 ± 0.00000483	0.0044
16D26189	1.2 %	0.0051747 ± 0.0001969	0.00037054 ± 0.00000420	0.0036
16D26190	1.3 %	0.0052342 ± 0.0003205	0.00038088 ± 0.00000581	0.0045
16D26191	1.4 %	0.0051452 ± 0.0002157	0.00032166 ± 0.00000433	0.0035
16D26192	1.5 %	0.0050353 ± 0.0002492	0.00033109 ± 0.00000439	0.0038
16D26194	1.6 %	0.0049541 ± 0.0001416	0.00028363 ± 0.00000322	0.0025
16D26195	1.7 %	0.0049313 ± 0.0001781	0.00029751 ± 0.00000379	0.0030
16D26196	1.8 %	0.0050473 ± 0.0000800	0.00026496 ± 0.00000247	0.0018
16D26197	1.9 %	0.0049640 ± 0.0000807	0.00024238 ± 0.00000224	0.0017
16D26199	2.0 %	0.0048540 ± 0.0000770	0.00027609 ± 0.00000241	0.0017
16D26200	2.1 %	0.0049216 ± 0.0000871	0.00021951 ± 0.00000228	0.0017
16D26201	2.2 %	0.0048323 ± 0.0001117	0.00021789 ± 0.00000243	0.0019
16D26202	2.3 %	0.0048387 ± 0.0000779	0.00017887 ± 0.00000205	0.0014
16D26204	2.4 %	0.0049167 ± 0.0000872	0.00017034 ± 0.00000234	0.0013
16D26205	2.6 %	0.0047763 ± 0.0000518	0.00014368 ± 0.00000146	0.0010
16D26206	2.8 %	0.0047816 ± 0.0000428	0.00012829 ± 0.00000123	0.0009
16D26207	3.0 %	0.0047555 ± 0.0000293	0.00011342 ± 0.00000094	0.0007
16D26208	3.2 %	0.0048168 ± 0.0000310	0.00009421 ± 0.00000096	0.0006
16D26210	3.4 %	0.0047731 ± 0.0000261	0.00007988 ± 0.00000077	0.0006
16D26211	3.7 %	0.0047519 ± 0.0000201	0.00007352 ± 0.00000065	0.0005
16D26212	4.0 %	0.0047334 ± 0.0000257	0.00007601 ± 0.00000079	0.0005
16D26213	4.3 %	0.0047440 ± 0.0000265	0.00006377 ± 0.00000065	0.0005
16D26214	4.7 %	0.0047233 ± 0.0000115	0.00005010 ± 0.00000041	0.0003
16D26216	5.0 %	0.0047567 ± 0.0000152	0.00004186 ± 0.00000042	0.0003
16D26217	5.3 %	0.0047371 ± 0.0000134	0.00003916 ± 0.00000040	0.0003
16D26218	5.7 %	0.0047594 ± 0.0000168	0.00003703 ± 0.00000042	0.0003
16D26219	6.0 %	0.0047547 ± 0.0000142	0.00003499 ± 0.00000041	0.0002
16D26221	6.4 %	0.0047591 ± 0.0000169	0.00003068 ± 0.00000037	0.0003
16D26222	6.8 %	0.0047591 ± 0.0000162	0.00002837 ± 0.00000036	0.0003
16D26223	7.2 %	0.0047603 ± 0.0000240	0.00002719 ± 0.00000049	0.0003
16D26224	7.6 %	0.0047694 ± 0.0000201	0.00002530 ± 0.00000042	0.0003
16D26225	8.0 %	0.0047729 ± 0.0000227	0.00002634 ± 0.00000042	0.0003
16D26227	8.5 % ✓	0.0047444 ± 0.0000178	0.00002563 ± 0.00000042	0.0002
16D26228	9.0 % ✓	0.0047495 ± 0.0000206	0.00002366 ± 0.00000037	0.0003
16D26229	9.5 % ✓	0.0047456 ± 0.0000190	0.00002357 ± 0.00000040	0.0002
16D26230	10.0 % ✓	0.0047387 ± 0.0000137	0.00002256 ± 0.00000030	0.0002
16D26232	10.5 % ✓	0.0047348 ± 0.0000170	0.00002414 ± 0.00000039	0.0002
16D26233	11.0 % ✓	0.0047298 ± 0.0000177	0.00002363 ± 0.00000038	0.0002
16D26234	11.5 % ✓	0.0047361 ± 0.0000201	0.00002195 ± 0.00000039	0.0002

16D26235	12.0 %	✓	0.0047226 ± 0.0000153	0.00002429 ± 0.00000035	0.0002
16D26237	12.5 %	✓	0.0047153 ± 0.0000215	0.00002504 ± 0.00000043	0.0003
16D26238	13.0 %	✓	0.0047301 ± 0.0000165	0.00002160 ± 0.00000035	0.0002
16D26239	13.5 %	✓	0.0047495 ± 0.0000133	0.00002303 ± 0.00000028	0.0002
16D26241	14.0 %	✓	0.0047258 ± 0.0000150	0.00002348 ± 0.00000032	0.0002

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Clustered Points	290.72 ± 180.82 ± 62.20%	209.72705 ± 6.14873 ± 2.93%	519.43 ± 13.27 ± 2.56% Full External Error ± 17.22 Analytical Error ± 13.24	1.72 7%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.89 1.3132 12 0.6%	Convergence Number of Iterations Calculated Line	0.0000012076 4 Weighted York-2

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
16D26178	0.3 %	0.7072850	0.327	0.0230933	942.867	0.211193	11.349	4.16496	0.728	548.20	0.035	81.43808 ± 1.23315	219.74 ± 3.13	61.87	0.76	77.6 ± 1462.4
16D26179	0.4 %	0.2329989	0.431	0.3877865	53.996	0.076558	30.024	2.13168	1.366	326.89	0.059	121.01586 ± 3.32331	317.60 ± 8.00	78.93	0.39	2.4 ± 2.6
16D26180	0.5 %	0.1125118	0.566	0.1888583	117.860	0.033616	74.184	1.08859	2.694	165.62	0.116	121.57024 ± 6.56845	318.94 ± 15.80	79.91	0.20	2.5 ± 5.8
16D26181	0.6 %	0.0912157	0.649	0.1944108	114.712	0.023821	105.701	0.84467	3.533	136.23	0.141	129.40766 ± 9.16654	337.69 ± 21.82	80.22	0.15	1.9 ± 4.3
16D26183	0.7 %	0.0872428	0.651	0.1082806	210.201	0.036699	70.727	1.00725	2.956	170.14	0.113	143.33257 ± 8.49012	370.54 ± 19.85	84.85	0.18	4.0 ± 16.8
16D26184	0.8 %	0.0622432	0.846	0.3827069	61.390	0.039057	59.974	0.71459	4.222	127.90	0.150	153.33500 ± 12.97246	393.77 ± 29.94	85.64	0.13	0.8 ± 1.0
16D26185	0.9 %	0.0634975	0.789	0.1839276	116.520	0.045124	55.487	0.62621	4.787	112.28	0.170	149.39258 ± 14.32824	384.65 ± 33.23	83.30	0.11	1.5 ± 3.4
16D26186	1.0 %	0.0519415	0.892	0.2435800	89.866	0.011549	205.286	0.58842	5.129	104.12	0.183	150.78528 ± 15.48264	387.87 ± 35.85	85.24	0.11	1.0 ± 1.9
16D26188	1.1 %	0.0817563	0.637	0.1100595	203.038	0.032232	73.258	1.14041	2.711	219.00	0.087	170.82962 ± 9.27077	433.70 ± 20.93	88.96	0.21	4.5 ± 18.1
16D26189	1.2 %	0.1147492	0.561	0.0791938	286.201	0.072225	33.584	1.60270	1.901	309.73	0.062	172.08689 ± 6.55192	436.53 ± 14.77	89.05	0.29	8.7 ± 49.8
16D26190	1.3 %	0.0716550	0.751	0.2876307	75.801	0.051111	48.266	0.98378	3.059	187.92	0.102	169.54787 ± 10.38848	430.80 ± 23.49	88.74	0.18	1.5 ± 2.2
16D26191	1.4 %	0.0873214	0.666	0.3055963	74.203	0.038319	61.694	1.39567	2.095	271.22	0.071	175.88154 ± 7.37829	445.06 ± 16.55	90.49	0.26	2.0 ± 2.9
16D26192	1.5 %	0.0806291	0.653	0.0701665	325.807	0.051673	46.178	1.22594	2.473	243.46	0.079	179.16594 ± 8.87111	452.42 ± 19.82	90.21	0.22	7.5 ± 49.0
16D26194	1.6 %	0.1215791	0.564	0.0812397	266.518	0.062945	37.863	2.12324	1.429	428.58	0.045	184.93676 ± 5.29116	465.26 ± 11.74	91.62	0.39	11.2 ± 59.9
16D26195	1.7 %	0.0977157	0.631	0.0382273	579.340	0.050437	46.016	1.61947	1.805	328.41	0.059	184.95843 ± 6.68580	465.31 ± 14.83	91.21	0.30	18.2 ± 211.1
16D26196	1.8 %	0.2003603	0.464	0.1544364	150.667	0.133225	18.595	3.81594	0.792	756.03	0.026	182.61231 ± 2.89889	460.10 ± 6.45	92.17	0.70	10.6 ± 32.0
16D26197	1.9 %	0.1868692	0.460	0.2895285	76.720	0.095839	25.247	3.82565	0.812	770.65	0.025	187.02047 ± 3.04187	469.88 ± 6.73	92.84	0.70	5.7 ± 8.7
16D26199	2.0 %	0.2209821	0.435	0.1979636	115.308	0.124212	19.308	3.88431	0.792	800.21	0.024	189.20736 ± 3.00357	474.71 ± 6.63	91.84	0.71	8.4 ± 19.5
16D26200	2.1 %	0.1543448	0.518	0.0249096	855.329	0.072226	34.366	3.46061	0.885	703.16	0.028	190.00614 ± 3.36693	476.47 ± 7.42	93.51	0.63	59.7 ± 1021.9
16D26201	2.2 %	0.1214184	0.554	0.0800556	283.981	0.052268	46.434	2.69324	1.155	557.37	0.035	193.61878 ± 4.47768	484.42 ± 9.83	93.56	0.49	14.5 ± 82.2
16D26202	2.3 %	0.1393494	0.572	0.0290335	777.448	0.115992	19.919	3.76933	0.805	779.00	0.025	195.74233 ± 3.15435	489.07 ± 6.91	94.71	0.69	55.8 ± 868.0
16D26204	2.4 %	0.1186139	0.683	0.1361705	161.520	0.108629	22.462	3.42446	0.886	696.53	0.028	193.15143 ± 3.42902	483.39 ± 7.53	94.96	0.63	10.8 ± 34.9
16D26205	2.6 %	0.1724245	0.507	0.1542538	149.183	0.142590	17.152	5.73294	0.542	1200.33	0.016	200.47796 ± 2.17732	499.41 ± 4.74	95.75	1.05	16.0 ± 47.7
16D26206	2.8 %	0.1836685	0.479	0.0029046	7755.916	0.151428	16.042	6.84531	0.447	1431.63	0.014	201.20822 ± 1.80221	501.00 ± 3.92	96.21	1.25	1013.4 #####
16D26207	3.0 %	0.2410862	0.412	0.1848011	122.404	0.243407	9.896	10.10975	0.308	2125.95	0.010	203.23320 ± 1.25265	505.40 ± 2.72	96.65	1.85	23.5 ± 57.6
16D26208	3.2 %	0.1882167	0.507	0.0112450	1904.208	0.222849	10.775	9.62227	0.322	1997.70	0.010	201.82887 ± 1.30126	502.35 ± 2.83	97.21	1.76	367.9 ± 14012.9
16D26210	3.4 %	0.1930622	0.482	0.0994159	221.533	0.259763	9.048	11.53632	0.273	2417.01	0.009	204.56283 ± 1.11792	508.28 ± 2.42	97.64	2.11	49.9 ± 221.1
16D26211	3.7 %	0.2363697	0.441	0.0472804	465.948	0.339323	7.236	15.27569	0.212	3214.67	0.007	205.86836 ± 0.87308	511.11 ± 1.89	97.83	2.80	138.9 ± 1294.7
16D26212	4.0 %	0.1842215	0.521	0.1740310	124.644	0.254150	9.387	11.47429	0.271	2424.16	0.009	206.51747 ± 1.12164	512.51 ± 2.42	97.75	2.10	28.4 ± 70.7
16D26213	4.3 %	0.1557731	0.510	0.1941669	111.350	0.250995	9.738	11.58280	0.279	2441.60	0.008	206.82154 ± 1.15582	513.17 ± 2.50	98.11	2.12	25.7 ± 57.1
16D26214	4.7 %	0.3216218	0.408	0.2919662	77.006	0.647755	3.824	30.31322	0.121	6417.89	0.004	208.58255 ± 0.50766	516.97 ± 1.09	98.52	5.55	44.6 ± 68.8
16D26216	5.0 %	0.1869041	0.502	0.1024116	222.799	0.435180	5.564	21.23996	0.160	4465.36	0.005	207.62909 ± 0.66568	514.91 ± 1.44	98.76	3.89	89.2 ± 397.4
16D26217	5.3 %	0.2021770	0.508	0.0960711	230.525	0.523132	4.679	24.45213	0.141	5161.90	0.004	208.65627 ± 0.59041	517.13 ± 1.27	98.84	4.48	109.4 ± 504.6
16D26218	5.7 %	0.1454609	0.559	0.2303539	97.188	0.378200	6.572	18.68345	0.176	3925.64	0.005	207.81153 ± 0.73414	515.30 ± 1.58	98.90	3.42	34.9 ± 67.8
16D26219	6.0 %	0.1732319	0.584	0.2453951	90.583	0.476578	5.210	23.52470	0.149	4947.71	0.004	208.14271 ± 0.62192	516.02 ± 1.34	98.96	4.31	41.2 ± 74.7
16D26221	6.4 %	0.1214178	0.608	0.0155411	1423.850	0.379691	6.326	18.83261	0.178	3957.22	0.006	208.21738 ± 0.74150	516.18 ± 1.60	99.09	3.45	521.1 ± 14838.6
16D26222	6.8 %	0.1154064	0.631	0.1075583	206.692	0.389671	6.108	19.35011	0.170	4065.98	0.005	208.36210 ± 0.70934	516.49 ± 1.53	99.16	3.54	77.4 ± 319.8
16D26223	7.2 %	0.0699003	0.888	0.4011169	53.331	0.245721	10.060	12.21774	0.252	2566.60	0.008	208.38443 ± 1.04953	516.54 ± 2.26	99.19	2.24	13.1 ± 14.0
16D26224	7.6 %	0.0779785	0.821	0.0588142	393.407	0.297842	8.703	14.69203	0.211	3080.54	0.007	208.10337 ± 0.87876	515.93 ± 1.90	99.25	2.69	107.4 ± 845.2
16D26225	8.0 %	0.0728131	0.800	0.0158906	1415.381	0.276618	8.484	13.19092	0.238	2763.75	0.008	207.88459 ± 0.99081	515.46 ± 2.14	99.22	2.42	356.9 ± 10104.3
16D26227	8.5 %	✓ 0.0944441	0.807	0.2142766	105.242	0.355928	6.544	17.47146	0.188	3682.57	0.006	209.17800 ± 0.78600	518.25 ± 1.69	99.24	3.20	35.1 ± 73.8
16D26228	9.0 %	✓ 0.0761769	0.776	0.1685603	129.799	0.284789	8.531	15.27719	0.217	3216.63	0.007	209.07647 ± 0.90631	518.03 ± 1.95	99.30	2.80	39.0 ± 101.2
16D26229	9.5 %	✓ 0.0798212	0.851	0.1375031	157.499	0.310989	7.746	16.07806	0.200	3388.05	0.006	209.25232 ± 0.83672	518.41 ± 1.80	99.30	2.94	50.3 ± 158.4
16D26230	10.0 %	✓ 0.1155172	0.658	0.2974637	80.673	0.439039	5.706	24.24265	0.145	5115.95	0.004	209.62221 ± 0.60782	519.21 ± 1.31	99.33	4.44	35.0 ± 56.5
16D26232	10.5 %	✓ 0.0921048	0.807	0.4315748	53.585	0.387753	6.545	18.03501	0.179	3809.04	0.006	209.69504 ± 0.75116	519.36 ± 1.62	99.28	3.30	18.0 ± 19.3
16D26233	11.0 %	✓ 0.0854482	0.802	0.0198458	1108.856	0.349863	6.704	17.09532	0.187	3614.43	0.006	209.94776 ± 0.78774	519.91 ± 1.70	99.30	3.13	370.4 ± 8214.5
16D26234	11.5 %	✓ 0.0697834	0.878	0.2780199	82.392	0.309677	7.494	15.03624	0.212	3174.82	0.007	209.77350 ± 0.89100	519.53 ± 1.92	99.35	2.75	23.3 ± 38.3

16D26235	12.0 %	✓	0.1039329	0.720	0.1887464	117.674	0.417182	5.951	20.19286	0.162	4275.89	0.005	210.23016 ± 0.68240	520.51 ± 1.47	99.28	3.70	46.0 ± 108.3
16D26237	12.5 %	✓	0.0738836	0.843	0.5406310	42.294	0.302427	7.886	13.88073	0.227	2943.77	0.007	210.50812 ± 0.95806	521.11 ± 2.06	99.26	2.54	11.0 ± 9.3
16D26238	13.0 %	✓	0.0853709	0.807	0.3405279	66.974	0.370411	6.727	18.66975	0.174	3947.06	0.005	210.06379 ± 0.73217	520.16 ± 1.58	99.36	3.42	23.6 ± 31.6
16D26239	13.5 %	✓	0.1196157	0.615	0.1821109	121.180	0.513805	4.686	24.65401	0.140	5190.89	0.004	209.11421 ± 0.58703	518.11 ± 1.26	99.32	4.51	58.2 ± 141.1
16D26241	14.0 %	✓	0.1027932	0.687	0.0721129	322.186	0.438584	5.746	20.68283	0.158	4376.67	0.005	210.13757 ± 0.66625	520.32 ± 1.43	99.30	3.79	123.3 ± 794.7
Σ			7.3469068	0.081	4.6267134	34.829	11.934286	1.467	546.12347	0.042	114084.04	0.001					

Information on Analysis
and Constants Used in Calculations

Sample = MB04-7
Material = Biotite
Location = South Shetlands Islands
Analyst = Dan Miggins
Project = ANTARCTICA | GAO (15-54)
Mass Discrimination Law = LIN
Irradiation = 16-OSU-03 (3C11-16)
J = 0.00158659 ± 0.00000176
FCT-NM = 28.201 ± 0.023 Ma
IGSN = Undefined
Preferred Age = Undefined
Classification = Undefined
Experiment Type = Incremental Heating
Extraction Method = Undefined
Heating = 77 sec
Isolation = 1.50 min
Instrument = ARGUS-VI-D
Lithology = Undefined
Lat-Lon = Undefined - Undefined
Collector Calibrations = 36Ar

Age Equations = Min et al. (2000)
Negative Intensities = Allowed
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) = 0.000676 ± 0.000009
Production 38/37(ca) = 0.000072 ± 0.000009
Production 36/37(ca) = 0.000266 ± 0.000000
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		209.70057 ± 0.26775 ± 0.13%	519.37 ± 1.16 ± 0.22%	1.57 10%	40.52 12	14.5 ± 7.8
			Full External Error ± 11.04 Analytical Error ± 0.58	1.85 1.2522	2σ Confidence Limit Error Magnification	
Total Fusion Age		204.92097 ± 0.17126 ± 0.08%	509.06 ± 1.05 ± 0.21%		52	50.8 ± 35.4
			Full External Error ± 10.82 Analytical Error ± 0.37			
Normal Isochron	298.73 ± 1238.99 ± 414.75%	209.68902 ± 6.14292 ± 2.93%	519.35 ± 13.26 ± 2.55%	1.72 7%	40.52 12	
			Full External Error ± 17.21 Analytical Error ± 13.22	1.89 1.3131	2σ Confidence Limit Error Magnification	
				35 0.0020904249	Number of Iterations Convergence	
Inverse Isochron Clustered Points	290.72 ± 180.82 ± 62.20%	209.72705 ± 6.14873 ± 2.93%	519.43 ± 13.27 ± 2.56%	1.72 7%	40.52 12	
			Full External Error ± 17.22 Analytical Error ± 13.24	1.89 1.3132	2σ Confidence Limit Error Magnification	
				4 0.0000012076	Number of Iterations Convergence	
				1%	Spreading Factor	

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
16D26178	0.3 %	0.7072738	0.33	0.0000000	0.00	0.0000061	942.87	0.0000050	82.99	0.0230933	942.87	0.1321895	0.33	0.0000000	0.00	0.0501085	0.74	0.0000017	942.95	0.0288931	82.99	4.16495	0.73	0.0000156	942.87
16D26179	0.4 %	0.2331009	0.43	0.0000000	0.00	0.0001033	54.00	0.0000013	311.93	0.3877865	54.00	0.0435665	0.43	0.0000000	0.00	0.0256494	1.38	0.0000278	55.50	0.0073704	311.93	2.13194	1.37	0.0002620	54.01
16D26180	0.5 %	0.1125621	0.57	0.0000000	0.00	0.0000503	117.86	0.0000000	0.00	0.1888583	117.86	0.0210379	0.57	0.0000000	0.00	0.0130984	2.70	0.0000136	118.56	0.0000000	0.00	1.08872	2.69	0.0001276	117.87
16D26181	0.6 %	0.0911640	0.65	0.0000000	0.00	0.0000518	114.71	0.0000000	0.00	0.1944108	114.71	0.0170385	0.65	0.0000000	0.00	0.0101607	3.54	0.0000140	115.43	0.0000000	0.00	0.84454	3.53	0.0001313	114.72
16D26183	0.7 %	0.0872126	0.65	0.0000000	0.00	0.0000288	210.20	0.0000014	313.77	0.1082806	210.20	0.0163000	0.65	0.0000000	0.00	0.0121173	2.96	0.0000078	210.59	0.0082735	313.77	1.00717	2.96	0.0000732	210.21
16D26184	0.8 %	0.0621380	0.85	0.0000000	0.00	0.0001019	61.39	0.0000033	124.47	0.3827069	61.39	0.0116136	0.85	0.0000000	0.00	0.0085941	4.23	0.0000275	62.71	0.0188222	124.48	0.71433	4.22	0.0002586	61.40
16D26185	0.9 %	0.0634440	0.80	0.0000000	0.00	0.0000490	116.52	0.0000045	97.36	0.1839276	116.52	0.0118577	0.80	0.0000000	0.00	0.0075324	4.79	0.0000132	117.22	0.0257208	97.37	0.62608	4.79	0.0001243	116.53
16D26186	1.0 %	0.0520064	0.90	0.0000000	0.00	0.0000649	89.87	0.0000000	0.00	0.2435800	89.87	0.0097200	0.90	0.0000000	0.00	0.0070812	5.13	0.0000175	90.78	0.0000000	0.00	0.58858	5.13	0.0001646	89.88
16D26188	1.1 %	0.0817851	0.64	0.0000000	0.00	0.0000293	203.04	0.0000006	730.54	0.1100595	203.04	0.0152856	0.64	0.0000000	0.00	0.0137212	2.72	0.0000079	203.44	0.0032327	730.54	1.14049	2.71	0.0000744	203.04
16D26189	1.2 %	0.1147648	0.56	0.0000000	0.00	0.0000211	286.20	0.0000055	77.03	0.0791938	286.20	0.0214495	0.56	0.0000000	0.00	0.0192827	1.91	0.0000057	286.49	0.0314984	77.03	1.60275	1.90	0.0000535	286.20
16D26190	1.3 %	0.0715739	0.76	0.0000000	0.00	0.0000766	75.80	0.0000045	95.34	0.2876307	75.80	0.0133772	0.76	0.0000000	0.00	0.0118335	3.06	0.0000207	76.88	0.0258801	95.35	0.98359	3.06	0.0001943	75.81
16D26191	1.4 %	0.0872391	0.67	0.0000000	0.00	0.0000814	74.20	0.0000009	454.38	0.3055963	74.20	0.0163050	0.67	0.0000000	0.00	0.0167888	2.10	0.0000219	75.30	0.0052037	454.38	1.39546	2.09	0.0002065	74.21
16D26192	1.5 %	0.0806066	0.66	0.0000000	0.00	0.0000187	325.81	0.0000038	109.21	0.0701665	325.81	0.0150654	0.66	0.0000000	0.00	0.0147488	2.48	0.0000050	326.06	0.0218540	109.21	1.22590	2.47	0.0000474	325.81
16D26194	1.6 %	0.1215549	0.57	0.0000000	0.00	0.0000216	266.52	0.0000026	162.42	0.0812397	266.52	0.0227186	0.57	0.0000000	0.00	0.0255440	1.44	0.0000058	266.83	0.0146765	162.42	2.12319	1.43	0.0000549	266.52
16D26195	1.7 %	0.0977033	0.63	0.0000000	0.00	0.0000102	579.34	0.0000022	182.93	0.0382273	579.34	0.0182607	0.63	0.0000000	0.00	0.0194835	1.81	0.0000027	579.48	0.0126896	182.93	1.61944	1.81	0.0000258	579.34
16D26196	1.8 %	0.2003105	0.47	0.0000000	0.00	0.0000411	150.67	0.0000087	49.70	0.1544364	150.67	0.0374380	0.47	0.0000000	0.00	0.0459084	0.81	0.0000111	151.21	0.0498673	49.70	3.81584	0.79	0.0001043	150.67
16D26197	1.9 %	0.1867895	0.46	0.0000000	0.00	0.0000771	76.72	0.0000026	162.61	0.2895285	76.72	0.0349110	0.46	0.0000000	0.00	0.0460240	0.83	0.0000208	77.78	0.0148829	162.61	3.82545	0.81	0.0001956	76.73
16D26199	2.0 %	0.2209231	0.44	0.0000000	0.00	0.0000527	115.31	0.0000063	66.31	0.1979636	115.31	0.0412905	0.44	0.0000000	0.00	0.0467305	0.81	0.0000142	116.02	0.0361766	66.32	3.88418	0.79	0.0001337	115.32
16D26200	2.1 %	0.1543512	0.52	0.0000000	0.00	0.0000066	855.33	0.0000003	1423.11	0.0249096	855.33	0.0288482	0.52	0.0000000	0.00	0.0416348	0.90	0.0000018	855.43	0.0017444	1423.11	3.46063	0.88	0.0000168	855.33
16D26201	2.2 %	0.1214398	0.56	0.0000000	0.00	0.0000213	283.98	0.0000000	0.00	0.0800556	283.98	0.0226971	0.56	0.0000000	0.00	0.0324030	1.17	0.0000057	284.27	0.0000000	0.00	2.69329	1.16	0.0000541	283.98
16D26202	2.3 %	0.1393339	0.57	0.0000000	0.00	0.0000077	777.45	0.0000078	51.82	0.0290335	777.45	0.0260415	0.57	0.0000000	0.00	0.0453486	0.82	0.0000021	777.55	0.0445997	51.83	3.76931	0.80	0.0000196	777.45
16D26204	2.4 %	0.1186423	0.69	0.0000000	0.00	0.0000363	161.52	0.0000079	53.92	0.1361705	161.52	0.0221742	0.69	0.0000000	0.00	0.0412008	0.90	0.0000098	162.03	0.0452635	53.93	3.42455	0.89	0.0000920	161.53
16D26205	2.6 %	0.1724584	0.51	0.0000000	0.00	0.0000411	149.18	0.0000072	59.10	0.1542538	149.18	0.0322325	0.51	0.0000000	0.00	0.0689743	0.57	0.0000111	149.73	0.0413939	59.11	5.73305	0.54	0.0001042	149.19
16D26206	2.8 %	0.1836632	0.48	0.0000000	0.00	0.0000008	7755.92	0.0000061	69.93	0.0029046	7755.92	0.0343267	0.48	0.0000000	0.00	0.0823560	0.47	0.0000002	7755.93	0.0347455	69.94	6.84531	0.45	0.0000020	7755.92
16D26207	3.0 %	0.2411220	0.41	0.0000000	0.00	0.0000492	122.40	0.0000134	31.42	0.1848011	122.40	0.0450657	0.41	0.0000000	0.00	0.1216318	0.35	0.0000133	123.07	0.0767229	31.43	10.10987	0.31	0.0001249	122.41
16D26208	3.2 %	0.1882011	0.51	0.0000000	0.00	0.0000030	1904.21	0.0000125	33.41	0.0112450	1904.21	0.0351748	0.51	0.0000000	0.00	0.1157654	0.36	0.0000008	1904.25	0.0719080	33.42	9.62226	0.32	0.0000076	1904.21
16D26210	3.4 %	0.1930738	0.48	0.0000000	0.00	0.0000265	221.53	0.0000148	27.71	0.0994159	221.53	0.0360855	0.48	0.0000000	0.00	0.1387943	0.32	0.0000071	221.90	0.0848907	27.72	11.53639	0.27	0.0000672	221.54
16D26211	3.7 %	0.2363377	0.44	0.0000000	0.00	0.0000126	465.95	0.0000194	22.07	0.0472804	465.95	0.0441715	0.44	0.0000000	0.00	0.1837815	0.27	0.0000034	466.12	0.1113667	22.09	15.27566	0.21	0.0000319	465.95
16D26212	4.0 %	0.1842536	0.52	0.0000000	0.00	0.0000463	124.64	0.0000143	29.23	0.1740310	124.64	0.0344370	0.52	0.0000000	0.00	0.1380486	0.31	0.0000125	125.30	0.0816767	29.24	11.47441	0.27	0.0001176	124.65
16D26213	4.3 %	0.1557070	0.51	0.0000000	0.00	0.0000517	111.35	0.0000144	29.64	0.1941669	111.35	0.0291016	0.51	0.0000000	0.00	0.1393511	0.32	0.0000139	112.09	0.0825280	29.65	11.58267	0.28	0.0001312	111.36
16D26214	4.7 %	0.3215052	0.41	0.0000000	0.00	0.0000778	77.01	0.0000389	11.15	0.2919662	77.01	0.0600893	0.41	0.0000000	0.00	0.3646960	0.20	0.0000210	78.07	0.2229491	11.19	30.31302	0.12	0.0001973	77.02
16D26216	5.0 %	0.1869061	0.50	0.0000000	0.00	0.0000273	222.80	0.0000253	16.76	0.1024116	222.80	0.0349328	0.50	0.0000000	0.00	0.2555388	0.23	0.0000074	223.17	0.1447157	16.79	21.24003	0.16	0.0000692	222.80
16D26217	5.3 %	0.2021180	0.51	0.0000000	0.00	0.0000256	230.52	0.0000334	12.84	0.0960711	230.52	0.0377759	0.51	0.0000000	0.00	0.2941828	0.21	0.0000069	230.88	0.1911661	12.87	24.45207	0.14	0.0000649	230.53
16D26218	5.7 %	0.1453776	0.56	0.0000000	0.00	0.0000613	97.19	0.0000220	19.72	0.2303539	97.19	0.0271711	0.56	0.0000000	0.00	0.2247788	0.24	0.0000165	98.03	0.1262337	19.74	18.68330	0.18	0.0001556	97.20
16D26219	6.0 %	0.1731384	0.59	0.0000000	0.00	0.0000653	90.58	0.0000281	15.44	0.2453951	90.58	0.0323596	0.59	0.0000000	0.00	0.2830236	0.22	0.0000176	91.49	0.1611773	15.47	23.52453	0.15	0.0001658	90.59
16D26221	6.4 %	0.1213992	0.61	0.0000000	0.00	0.0000041	1423.85	0.0000228	18.44	0.0155411	1423.85	0.0226895	0.61	0.0000000	0.00	0.2265753	0.24	0.0000011	1423.91	0.1304277	18.47	18.83262	0.18	0.0000105	1423.85
16D26222	6.8 %	0.1153541	0.63	0.0000000	0.00	0.0000286	206.69	0.0000236	17.62	0.1075583	206.69	0.0215597	0.63	0.0000000	0.00	0.2328003	0.23	0.0000077	207.09	0.1353032	17.64	19.35004	0.17	0.0000727	206.70
16D26223	7.2 %	0.0697786	0.89	0.0000000	0.00	0.0001068	53.33	0.0000150	28.88	0.4011169	53.33	0.0130416	0.89	0.0000000	0.00	0.1469884	0.30	0.0000288	54.85	0.0856617	28.89	12.21747	0.25	0.0002710	53.35
16D26224	7.6 %	0.0779442	0.83	0.0000000	0.00	0.0000157	393.41	0.0000186	24.36	0.0588142	393.41	0.0145678	0.83	0.0000000	0.00	0.1767593	0.26	0.0000042</							

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16D26235	12.0 %	✓	0.1038556	0.72	0.0000000	0.00	0.0000503	117.67	0.0000270	16.07	0.1887464	117.67	0.0194106	0.72	0.0000000	0.00	0.2429388	0.23	0.0000136	118.37	0.1548186	16.09	20.19273	0.16	0.0001275	117.68
16D26237	12.5 %	✓	0.0737184	0.85	0.0000000	0.00	0.0001440	42.29	0.0000212	19.64	0.5406310	42.29	0.0137780	0.85	0.0000000	0.00	0.1669946	0.28	0.0000388	44.19	0.1216159	19.66	13.88036	0.23	0.0003653	42.31
16D26238	13.0 %	✓	0.0852576	0.81	0.0000000	0.00	0.0000907	66.97	0.0000227	19.22	0.3405279	66.97	0.0159346	0.81	0.0000000	0.00	0.2246130	0.24	0.0000244	68.19	0.1298386	19.24	18.66952	0.17	0.0002301	66.99
16D26239	13.5 %	✓	0.1195331	0.62	0.0000000	0.00	0.0000485	121.18	0.0000340	12.39	0.1821109	121.18	0.0223407	0.62	0.0000000	0.00	0.2966109	0.21	0.0000131	121.86	0.1948407	12.43	24.65388	0.14	0.0001230	121.19
16D26241	14.0 %	✓	0.1027441	0.69	0.0000000	0.00	0.0000192	322.19	0.0000298	14.81	0.0721129	322.19	0.0192029	0.69	0.0000000	0.00	0.2488345	0.23	0.0000052	322.44	0.1705418	14.84	20.68278	0.16	0.0000487	322.19
Σ			7.3449760	0.08	0.0000000	0.00	0.0012321	34.83	0.0006987	4.20	4.6267134	34.83	1.3727760	0.08	0.0000000	0.00	6.5703738	0.05	0.0003322	35.08	4.0027656	4.20	546.12034	0.04	0.0031258	34.83
Σ								7.3469068		0.08	4.6267134	34.83								11.946248	1.41			546.12347		0.04

40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
339.19	0.21	208.9994	0.33	0.0000000	0.00	0.0159226	2.76
258.00	0.14	68.8813	0.43	0.0000000	0.00	0.0081504	2.99
132.36	0.20	33.2621	0.57	0.0000000	0.00	0.0041622	3.79
109.29	0.24	26.9389	0.65	0.0000000	0.00	0.0032287	4.42
144.36	0.18	25.7713	0.65	0.0000000	0.00	0.0038504	3.98
109.53	0.23	18.3618	0.85	0.0000000	0.00	0.0027309	4.99
93.53	0.26	18.7477	0.80	0.0000000	0.00	0.0023935	5.48
88.75	0.27	15.3679	0.90	0.0000000	0.00	0.0022502	5.78
194.83	0.13	24.1675	0.64	0.0000000	0.00	0.0043601	3.80
275.81	0.10	33.9130	0.56	0.0000000	0.00	0.0061273	3.27
166.76	0.15	21.1501	0.76	0.0000000	0.00	0.0037603	4.05
245.44	0.11	25.7792	0.67	0.0000000	0.00	0.0053348	3.39
219.64	0.11	23.8192	0.66	0.0000000	0.00	0.0046866	3.63
392.66	0.07	35.9195	0.57	0.0000000	0.00	0.0081169	3.02
299.53	0.09	28.8713	0.63	0.0000000	0.00	0.0061911	3.21
696.82	0.05	59.1918	0.47	0.0000000	0.00	0.0145880	2.78
715.44	0.04	55.1963	0.46	0.0000000	0.00	0.0146247	2.78
734.91	0.05	65.2828	0.44	0.0000000	0.00	0.0148492	2.78
657.54	0.05	45.6108	0.52	0.0000000	0.00	0.0132300	2.80
521.47	0.05	35.8855	0.56	0.0000000	0.00	0.0102964	2.90
737.81	0.04	41.1732	0.57	0.0000000	0.00	0.0144101	2.78
661.46	0.05	35.0588	0.69	0.0000000	0.00	0.0130921	2.80
1149.35	0.03	50.9614	0.51	0.0000000	0.00	0.0219174	2.71
1377.33	0.02	54.2725	0.48	0.0000000	0.00	0.0261696	2.70
2054.66	0.02	71.2516	0.41	0.0000000	0.00	0.0386500	2.68
1942.05	0.02	55.6134	0.51	0.0000000	0.00	0.0367859	2.68
2359.92	0.01	57.0533	0.48	0.0000000	0.00	0.0441036	2.67
3144.78	0.01	69.8378	0.44	0.0000000	0.00	0.0583989	2.67
2369.67	0.01	54.4469	0.52	0.0000000	0.00	0.0438667	2.67
2395.55	0.01	46.0114	0.51	0.0000000	0.00	0.0442806	2.67
6322.77	0.01	95.0048	0.41	0.0000000	0.00	0.1158867	2.66
4410.05	0.01	55.2308	0.50	0.0000000	0.00	0.0812006	2.66
5102.08	0.01	59.7259	0.51	0.0000000	0.00	0.0934803	2.66
3882.60	0.01	42.9591	0.56	0.0000000	0.00	0.0714262	2.67
4896.46	0.01	51.1624	0.59	0.0000000	0.00	0.0899343	2.66
3921.28	0.01	35.8735	0.61	0.0000000	0.00	0.0719971	2.67
4031.81	0.01	34.0871	0.63	0.0000000	0.00	0.0739752	2.67
2545.93	0.01	20.6196	0.89	0.0000000	0.00	0.0467074	2.67
3057.45	0.01	23.0325	0.83	0.0000000	0.00	0.0561675	2.67
2742.19	0.01	21.5121	0.80	0.0000000	0.00	0.0504289	2.67
3654.61	0.01	27.8848	0.81	0.0000000	0.00	0.0667928	2.67
3194.08	0.01	22.4925	0.78	0.0000000	0.00	0.0584042	2.67
3364.39	0.01	23.5927	0.85	0.0000000	0.00	0.0614668	2.67
5081.75	0.01	34.1054	0.66	0.0000000	0.00	0.0926789	2.66
3781.79	0.01	27.1751	0.81	0.0000000	0.00	0.0689467	2.67
3589.12	0.01	25.2418	0.81	0.0000000	0.00	0.0653554	2.67
3154.17	0.01	20.5931	0.88	0.0000000	0.00	0.0574828	2.67

4245.12	0.01	30.6893	0.72	0.0000000	0.00	0.0771968	2.66
2921.93	0.01	21.7838	0.85	0.0000000	0.00	0.0530646	2.67
3921.79	0.01	25.1936	0.81	0.0000000	0.00	0.0713736	2.67
5155.48	0.01	35.3220	0.62	0.0000000	0.00	0.0942518	2.66
4346.23	0.01	30.3609	0.69	0.0000000	0.00	0.0790703	2.66
111911.51	0.00	2170.4404	0.08	0.0000000	0.00	2.0878181	0.47
						114084.04	0.00

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D26178	0.3 %		131.621952	0.958799	0.005545	0.052279	0.169818	0.001354	107.234	8.335758	1.00075781	2.631E-11
16D26179	0.4 %		153.347745	2.097247	0.181916	0.098259	0.109303	0.001566	107.240	8.336788	1.00075786	1.569E-11
16D26180	0.5 %		152.143547	4.102721	0.173489	0.204528	0.103356	0.002845	107.246	8.337702	1.00075790	7.950E-12
16D26181	0.6 %		161.284111	5.702895	0.230161	0.264147	0.107989	0.003879	107.252	8.338732	1.00075794	6.539E-12
16D26183	0.7 %		168.911900	4.996906	0.107502	0.225992	0.086615	0.002622	107.264	8.340676	1.00075802	8.167E-12
16D26184	0.8 %		178.979010	7.562110	0.535564	0.329560	0.087104	0.003751	107.269	8.341592	1.00075806	6.139E-12
16D26185	0.9 %		179.305368	8.589637	0.293718	0.342528	0.101400	0.004920	107.276	8.342622	1.00075811	5.390E-12
16D26186	1.0 %		176.948574	9.080622	0.413957	0.372611	0.088273	0.004595	107.281	8.343537	1.00075815	4.998E-12
16D26188	1.1 %		192.036483	5.208148	0.096509	0.195967	0.071690	0.001996	107.293	8.345483	1.00075823	1.051E-11
16D26189	1.2 %		193.256376	3.676081	0.049413	0.141423	0.071597	0.001419	107.299	8.346513	1.00075827	1.487E-11
16D26190	1.3 %		191.016988	5.846995	0.292373	0.221801	0.072836	0.002294	107.306	8.347544	1.00075832	9.020E-12
16D26191	1.4 %		194.330201	4.072645	0.218961	0.162541	0.062566	0.001375	107.311	8.348460	1.00075836	1.302E-11
16D26192	1.5 %		198.592163	4.913618	0.057235	0.186480	0.065769	0.001682	107.317	8.349490	1.00075840	1.169E-11
16D26194	1.6 %		201.853086	2.885295	0.038262	0.101977	0.057261	0.000880	107.329	8.351438	1.00075848	2.057E-11
16D26195	1.7 %		202.786964	3.662534	0.023605	0.136753	0.060338	0.001154	107.335	8.352354	1.00075852	1.576E-11
16D26196	1.8 %		198.122828	1.570393	0.040471	0.060978	0.052506	0.000482	107.341	8.353385	1.00075857	3.629E-11
16D26197	1.9 %		201.442687	1.636422	0.075681	0.058065	0.048846	0.000456	107.347	8.354302	1.00075861	3.699E-11
16D26199	2.0 %		206.011457	1.632991	0.050965	0.058768	0.056891	0.000514	107.358	8.356250	1.00075869	3.841E-11
16D26200	2.1 %		203.190869	1.798656	0.007198	0.061567	0.044600	0.000457	107.365	8.357282	1.00075873	3.375E-11
16D26201	2.2 %		206.950774	2.391552	0.029725	0.084413	0.045083	0.000578	107.371	8.358314	1.00075878	2.675E-11
16D26202	2.3 %		206.668331	1.663771	0.007703	0.059883	0.036969	0.000365	107.376	8.359231	1.00075882	3.739E-11
16D26204	2.4 %		203.398204	1.803885	0.039764	0.064228	0.034637	0.000388	107.388	8.361180	1.00075890	3.343E-11
16D26205	2.6 %		209.374662	1.135952	0.026907	0.040140	0.030076	0.000223	107.394	8.362213	1.00075895	5.762E-11
16D26206	2.8 %		209.140517	0.935747	0.000424	0.032910	0.026831	0.000176	107.400	8.363130	1.00075898	6.872E-11
16D26207	3.0 %		210.287344	0.647345	0.018280	0.022375	0.023847	0.000123	107.406	8.364163	1.00075903	1.020E-10
16D26208	3.2 %		207.612192	0.668562	0.001169	0.022253	0.019561	0.000117	107.412	8.365081	1.00075907	9.589E-11
16D26210	3.4 %		209.513380	0.571948	0.008618	0.019091	0.016735	0.000093	107.424	8.367031	1.00075915	1.160E-10
16D26211	3.7 %		210.443580	0.445750	0.003095	0.014422	0.015474	0.000076	107.430	8.368064	1.00075920	1.543E-10
16D26212	4.0 %		211.268534	0.573148	0.015167	0.018905	0.016055	0.000094	107.435	8.368983	1.00075923	1.164E-10
16D26213	4.3 %		210.795411	0.588624	0.016763	0.018666	0.013449	0.000078	107.442	8.370016	1.00075928	1.172E-10
16D26214	4.7 %		211.719120	0.257310	0.009632	0.007417	0.010610	0.000045	107.448	8.371049	1.00075932	3.081E-10
16D26216	5.0 %		210.233917	0.336750	0.004822	0.010743	0.008800	0.000046	107.460	8.373001	1.00075941	2.143E-10
16D26217	5.3 %		211.102103	0.298393	0.003929	0.009057	0.008268	0.000044	107.465	8.373920	1.00075945	2.478E-10
16D26218	5.7 %		210.112933	0.370898	0.012329	0.011983	0.007786	0.000046	107.472	8.374954	1.00075949	1.884E-10
16D26219	6.0 %		210.319909	0.313943	0.010431	0.009449	0.007364	0.000044	107.477	8.375873	1.00075953	2.375E-10
16D26221	6.4 %		210.126179	0.373960	0.000825	0.011750	0.006447	0.000041	107.489	8.377827	1.00075961	1.899E-10
16D26222	6.8 %		210.126737	0.357490	0.005559	0.011489	0.005964	0.000039	107.495	8.378861	1.00075966	1.952E-10
16D26223	7.2 %		210.071308	0.528775	0.032831	0.017509	0.005721	0.000053	107.501	8.379780	1.00075970	1.232E-10
16D26224	7.6 %		209.674320	0.442496	0.004003	0.015749	0.005308	0.000045	107.507	8.380815	1.00075974	1.479E-10
16D26225	8.0 %		209.519412	0.499114	0.001205	0.017051	0.005520	0.000046	107.513	8.381850	1.00075978	1.327E-10
16D26227	8.5 %	✓	210.776109	0.395779	0.012264	0.012907	0.005406	0.000045	107.525	8.383804	1.00075987	1.768E-10
16D26228	9.0 %	✓	210.551028	0.456193	0.011033	0.014321	0.004986	0.000040	107.531	8.384724	1.00075991	1.544E-10
16D26229	9.5 %	✓	210.724732	0.421112	0.008552	0.013470	0.004965	0.000043	107.537	8.385759	1.00075995	1.626E-10
16D26230	10.0 %	✓	211.031133	0.305804	0.012270	0.009899	0.004765	0.000032	107.542	8.386680	1.00075999	2.456E-10
16D26232	10.5 %	✓	211.202267	0.378067	0.023930	0.012823	0.005107	0.000042	107.554	8.388636	1.00076007	1.828E-10
16D26233	11.0 %	✓	211.427946	0.396460	0.001161	0.012873	0.004998	0.000041	107.560	8.389671	1.00076012	1.735E-10
16D26234	11.5 %	✓	211.144267	0.448233	0.018490	0.015234	0.004641	0.000042	107.566	8.390592	1.00076016	1.524E-10

16D26235	12.0 %	✓	211.752463	0.343483	0.009347	0.010999	0.005147	0.000038	107.572	8.391628	1.00076020	2.052E-10
16D26237	12.5 %	✓	212.075757	0.482389	0.038948	0.016473	0.005323	0.000046	107.584	8.393585	1.00076028	1.413E-10
16D26238	13.0 %	✓	211.414460	0.368263	0.018240	0.012216	0.004573	0.000038	107.590	8.394621	1.00076033	1.895E-10
16D26239	13.5 %	✓	210.549704	0.295390	0.007387	0.008951	0.004852	0.000031	107.596	8.395542	1.00076037	2.492E-10
16D26241	14.0 %	✓	211.608827	0.335297	0.003487	0.011233	0.004970	0.000035	107.608	8.397500	1.00076045	2.101E-10

Procedure Blanks		36Ar [fA]	1σ	37Ar [fA]	1σ	38Ar [fA]	1σ	39Ar [fA]	1σ	40Ar [fA]	1σ
16D26178	0.3 %	0.0027546	0.0001839	0.0116791	0.0184789	0.0395136	0.0170554	0.0003747	0.0253613	1.0628012	0.1897136
16D26179	0.4 %	0.0027771	0.0001839	0.0080556	0.0184789	0.0438340	0.0170554	0.0021580	0.0253613	0.9864396	0.1897136
16D26180	0.5 %	0.0027958	0.0001839	0.0052135	0.0184789	0.0473189	0.0170554	0.0039518	0.0253613	0.9289011	0.1897136
16D26181	0.6 %	0.0028155	0.0001839	0.0024121	0.0184789	0.0508587	0.0170554	0.0055062	0.0253613	0.8752961	0.1897136
16D26183	0.7 %	0.0028492	0.0001839	0.0018445	0.0184789	0.0565166	0.0170554	0.0072855	0.0253613	0.8043050	0.1897136
16D26184	0.8 %	0.0028637	0.0001839	0.0034268	0.0184789	0.0587454	0.0170554	0.0076778	0.0253613	0.7837537	0.1897136
16D26185	0.9 %	0.0028789	0.0001839	0.0049196	0.0184789	0.0609445	0.0170554	0.0078351	0.0253613	0.7698380	0.1897136
16D26186	1.0 %	0.0028917	0.0001839	0.0060129	0.0184789	0.0626401	0.0170554	0.0077573	0.0253613	0.7652447	0.1897136
16D26188	1.1 %	0.0029167	0.0001839	0.0076945	0.0184789	0.0654960	0.0170554	0.0070506	0.0253613	0.7780877	0.1897136
16D26189	1.2 %	0.0029289	0.0001839	0.0082775	0.0184789	0.0666297	0.0170554	0.0064496	0.0253613	0.7964133	0.1897136
16D26190	1.3 %	0.0029404	0.0001839	0.0086791	0.0184789	0.0675246	0.0170554	0.0057384	0.0253613	0.8220750	0.1897136
16D26191	1.4 %	0.0029501	0.0001839	0.0089021	0.0184789	0.0681335	0.0170554	0.0050410	0.0253613	0.8506491	0.1897136
16D26192	1.5 %	0.0029606	0.0001839	0.0090222	0.0184789	0.0686240	0.0170554	0.0042110	0.0253613	0.8888416	0.1897136
16D26194	1.6 %	0.0029792	0.0001839	0.0089412	0.0184789	0.0690450	0.0170554	0.0026098	0.0253613	0.9768254	0.1897136
16D26195	1.7 %	0.0029875	0.0001839	0.0087936	0.0184789	0.0690390	0.0170554	0.0018807	0.0253613	1.0246756	0.1897136
16D26196	1.8 %	0.0029966	0.0001839	0.0085652	0.0184789	0.0688945	0.0170554	0.0011061	0.0253613	1.0828958	0.1897136
16D26197	1.9 %	0.0030044	0.0001839	0.0083197	0.0184789	0.0686550	0.0170554	0.0004736	0.0253613	1.1381997	0.1897136
16D26199	2.0 %	0.0030204	0.0001839	0.0077156	0.0184789	0.0678469	0.0170554	0.0006393	0.0253613	1.2653699	0.1897136
16D26200	2.1 %	0.0030287	0.0001839	0.0073762	0.0184789	0.0672795	0.0170554	0.0010752	0.0253613	1.3372235	0.1897136
16D26201	2.2 %	0.0030367	0.0001839	0.0070398	0.0184789	0.0666330	0.0170554	0.0013902	0.0253613	1.4116638	0.1897136
16D26202	2.3 %	0.0030438	0.0001839	0.0067525	0.0184789	0.0660021	0.0170554	0.0015618	0.0253613	1.4796694	0.1897136
16D26204	2.4 %	0.0030586	0.0001839	0.0062127	0.0184789	0.0645271	0.0170554	0.0015690	0.0253613	1.6285791	0.1897136
16D26205	2.6 %	0.0030662	0.0001839	0.0059820	0.0184789	0.0636938	0.0170554	0.0013709	0.0253613	1.7091118	0.1897136
16D26206	2.8 %	0.0030730	0.0001839	0.0058170	0.0184789	0.0629345	0.0170554	0.0010773	0.0253613	1.7812718	0.1897136
16D26207	3.0 %	0.0030805	0.0001839	0.0056823	0.0184789	0.0620695	0.0170554	0.0006174	0.0253613	1.8627527	0.1897136
16D26208	3.2 %	0.0030871	0.0001839	0.0056119	0.0184789	0.0612991	0.0170554	0.0000973	0.0253613	1.9351567	0.1897136
16D26210	3.4 %	0.0031008	0.0001839	0.0056300	0.0184789	0.0596900	0.0170554	0.0013300	0.0253613	2.0877332	0.1897136
16D26211	3.7 %	0.0031079	0.0001839	0.0057370	0.0184789	0.0588709	0.0170554	0.0022435	0.0253613	2.1671527	0.1897136
16D26212	4.0 %	0.0031140	0.0001839	0.0058904	0.0184789	0.0581713	0.0170554	0.0031330	0.0253613	2.2365903	0.1897136
16D26213	4.3 %	0.0031208	0.0001839	0.0061286	0.0184789	0.0574240	0.0170554	0.0042062	0.0253613	2.3130955	0.1897136
16D26214	4.7 %	0.0031273	0.0001839	0.0064356	0.0184789	0.0567267	0.0170554	0.0053382	0.0253613	2.3875721	0.1897136
16D26216	5.0 %	0.0031390	0.0001839	0.0071955	0.0184789	0.0555723	0.0170554	0.0075608	0.0253613	2.5215642	0.1897136
16D26217	5.3 %	0.0031441	0.0001839	0.0076293	0.0184789	0.0551138	0.0170554	0.0086072	0.0253613	2.5811010	0.1897136
16D26218	5.7 %	0.0031495	0.0001839	0.0081700	0.0184789	0.0546705	0.0170554	0.0097525	0.0253613	2.6450213	0.1897136
16D26219	6.0 %	0.0031539	0.0001839	0.0086928	0.0184789	0.0543457	0.0170554	0.0107188	0.0253613	2.6988872	0.1897136
16D26221	6.4 %	0.0031621	0.0001839	0.0099118	0.0184789	0.0538901	0.0170554	0.0125028	0.0253613	2.8031615	0.1897136
16D26222	6.8 %	0.0031656	0.0001839	0.0106010	0.0184789	0.0537873	0.0170554	0.0132342	0.0253613	2.8522386	0.1897136
16D26223	7.2 %	0.0031681	0.0001839	0.0112288	0.0184789	0.0537813	0.0170554	0.0137200	0.0253613	2.8920106	0.1897136
16D26224	7.6 %	0.0031703	0.0001839	0.0119421	0.0184789	0.0538742	0.0170554	0.0140442	0.0253613	2.9321776	0.1897136
16D26225	8.0 %	0.0031716	0.0001839	0.0126512	0.0184789	0.0540760	0.0170554	0.0140910	0.0253613	2.9672485	0.1897136
16D26227	8.5 %	0.0031717	0.0001839	0.0139313	0.0184789	0.0547660	0.0170554	0.0132589	0.0253613	3.0186989	0.1897136
16D26228	9.0 %	0.0031704	0.0001839	0.0144841	0.0184789	0.0552345	0.0170554	0.0123743	0.0253613	3.0358383	0.1897136
16D26229	9.5 %	0.0031679	0.0001839	0.0150489	0.0184789	0.0558740	0.0170554	0.0109400	0.0253613	3.0494305	0.1897136
16D26230	10.0 %	0.0031646	0.0001839	0.0154869	0.0184789	0.0565438	0.0170554	0.0092322	0.0253613	3.0562787	0.1897136
16D26232	10.5 %	0.0031540	0.0001839	0.0161560	0.0184789	0.0582875	0.0170554	0.0040600	0.0253613	3.0537550	0.1897136
16D26233	11.0 %	0.0031462	0.0001839	0.0163301	0.0184789	0.0593883	0.0170554	0.0003622	0.0253613	3.0426352	0.1897136
16D26234	11.5 %	0.0031378	0.0001839	0.0163579	0.0184789	0.0604701	0.0170554	0.0035493	0.0253613	3.0268514	0.1897136

16D26235	12.0 %	0.0031267	0.0001839	0.0162260	0.0184789	0.0618032	0.0170554	0.0087124	0.0253613	3.0022822	0.1897136
16D26237	12.5 %	0.0031005	0.0001839	0.0154240	0.0184789	0.0646535	0.0170554	0.0209052	0.0253613	2.9355583	0.1897136
16D26238	13.0 %	0.0030835	0.0001839	0.0146600	0.0184789	0.0663358	0.0170554	0.0287864	0.0253613	2.8891487	0.1897136
16D26239	13.5 %	0.0030665	0.0001839	0.0137558	0.0184789	0.0679300	0.0170554	0.0366998	0.0253613	2.8412755	0.1897136
16D26241	14.0 %	0.0030237	0.0001839	0.0110394	0.0184789	0.0716183	0.0170554	0.0566104	0.0253613	2.7183356	0.1897136

Intercept Values		36Ar [fA]	1σ	r2		37Ar [fA]	1σ	r2		38Ar [fA]	1σ	r2		39Ar [fA]	1σ	r2		40Ar [fA]	1σ	r2	
16D26178	0.3 %	0.6781459	0.0012159	0.9113	EXP 150 of 150	0.0143852	0.0175947	0.0004	EXP 150 of 150	0.1684109	0.0163053	0.0009	EXP 150 of 150	4.13004	0.01589	0.2959	EXP 150 of 150	549.26	0.04	0.9976	EXP
16D26179	0.4 %	0.2252693	0.0007210	0.3016	EXP 150 of 150	0.0373811	0.0161375	0.0977	EXP 149 of 150	0.0315397	0.0148737	0.0021	EXP 150 of 150	2.11145	0.01375	0.0025	EXP 150 of 150	327.87	0.03	0.9567	EXP
16D26180	0.5 %	0.1102341	0.0005006	0.1437	EXP 150 of 150	0.0169125	0.0184004	0.0049	EXP 150 of 150	0.0142233	0.0176607	0.0153	EXP 150 of 150	1.07541	0.01421	0.0783	EXP 150 of 150	166.55	0.02	0.9989	EXP
16D26181	0.6 %	0.0899180	0.0004796	0.3330	EXP 150 of 150	0.0251858	0.0184660	0.0129	EXP 150 of 150	0.0274066	0.0179892	0.0054	EXP 150 of 150	0.83201	0.01524	0.1011	EXP 150 of 150	137.11	0.03	0.9990	EXP
16D26183	0.7 %	0.0861580	0.0004571	0.2132	EXP 150 of 150	0.0108368	0.0192114	0.0011	EXP 150 of 150	0.0203859	0.0190294	0.0002	EXP 150 of 150	0.99142	0.01510	0.0536	EXP 150 of 150	170.94	0.03	0.9975	EXP
16D26184	0.8 %	0.0623001	0.0004391	0.5931	EXP 150 of 150	0.0413890	0.0203822	0.0198	EXP 150 of 150	0.0202925	0.0155228	0.0005	EXP 150 of 150	0.70085	0.01586	0.1041	EXP 150 of 150	128.68	0.03	0.9986	EXP
16D26185	0.9 %	0.0635131	0.0004100	0.5876	EXP 150 of 150	0.0166161	0.0169763	0.0014	EXP 150 of 150	0.0165187	0.0177978	0.0004	EXP 150 of 150	0.61306	0.01550	0.0907	EXP 150 of 150	113.05	0.02	0.9988	EXP
16D26186	1.0 %	0.0524911	0.0003791	0.5948	EXP 150 of 150	0.0345300	0.0177557	0.0518	EXP 150 of 150	0.0512703	0.0159344	0.0149	EXP 150 of 150	0.57567	0.01587	0.0592	EXP 150 of 150	104.88	0.02	0.9990	EXP
16D26188	1.1 %	0.0809864	0.0004109	0.4570	EXP 150 of 150	0.0205767	0.0185109	0.0026	EXP 150 of 150	0.0337632	0.0157966	0.0095	EXP 150 of 150	1.12369	0.01720	0.0064	EXP 150 of 150	219.78	0.03	0.9619	EXP
16D26189	1.2 %	0.1125037	0.0005055	0.1098	EXP 150 of 150	0.0175458	0.0190303	0.0018	EXP 150 of 150	0.0044776	0.0167153	0.0093	EXP 150 of 150	1.58267	0.01639	0.0023	EXP 150 of 150	310.53	0.03	0.9843	EXP
16D26190	1.3 %	0.0713643	0.0004423	0.4688	EXP 150 of 150	0.0249791	0.0175907	0.0002	EXP 150 of 150	0.0172041	0.0172919	0.0000	EXP 150 of 150	0.96970	0.01571	0.0323	EXP 150 of 150	188.74	0.03	0.9891	EXP
16D26191	1.4 %	0.0863340	0.0004722	0.3559	EXP 150 of 150	0.0268544	0.0190391	0.0026	EXP 150 of 150	0.0304071	0.0158376	0.0104	EXP 150 of 150	1.37880	0.01400	0.0002	EXP 150 of 150	272.07	0.02	0.9622	EXP
16D26192	1.5 %	0.0799539	0.0004189	0.4392	EXP 150 of 150	0.0008133	0.0193346	0.0001	EXP 150 of 150	0.0177505	0.0161557	0.0001	EXP 150 of 150	1.21134	0.01612	0.0220	EXP 150 of 150	244.35	0.03	0.2808	EXP
16D26194	1.6 %	0.1190759	0.0005442	0.1273	EXP 150 of 150	0.0005610	0.0173169	0.0007	EXP 150 of 150	0.0070741	0.0161145	0.0009	EXP 150 of 150	2.10263	0.01611	0.0172	EXP 150 of 150	429.56	0.04	0.9984	EXP
16D26195	1.7 %	0.0962969	0.0004991	0.3235	EXP 149 of 150	0.0043229	0.0181487	0.0030	EXP 150 of 150	0.0193829	0.0152058	0.0071	EXP 150 of 150	1.60386	0.01400	0.0208	EXP 150 of 150	329.43	0.03	0.9934	EXP
16D26196	1.8 %	0.1943221	0.0006974	0.0100	EXP 150 of 150	0.0094941	0.0199719	0.0025	EXP 150 of 150	0.0622687	0.0174340	0.0002	EXP 150 of 150	3.78249	0.01579	0.3683	EXP 150 of 150	757.11	0.05	0.9996	EXP
16D26197	1.9 %	0.1814471	0.0006373	0.0181	EXP 150 of 150	0.0255331	0.0182496	0.0045	EXP 150 of 150	0.0257006	0.0166307	0.0035	EXP 150 of 150	3.79275	0.01730	0.3126	EXP 150 of 150	771.79	0.04	0.9997	EXP
16D26199	2.0 %	0.2140378	0.0006943	0.0265	EXP 150 of 150	0.0154256	0.0192495	0.0067	EXP 150 of 150	0.0544428	0.0163270	0.0010	EXP 150 of 150	3.85203	0.01678	0.3420	EXP 150 of 150	801.48	0.05	0.9996	EXP
16D26200	2.1 %	0.1504136	0.0006239	0.1640	EXP 150 of 150	0.0102877	0.0166937	0.0010	EXP 150 of 150	0.0038284	0.0175002	0.0046	EXP 150 of 150	3.43235	0.01654	0.2782	EXP 150 of 150	704.50	0.05	0.9995	EXP
16D26201	2.2 %	0.1189801	0.0005288	0.2808	EXP 150 of 150	0.0163957	0.0190903	0.0053	EXP 150 of 150	0.0151743	0.0167348	0.0186	EXP 150 of 150	2.67180	0.01747	0.0262	EXP 150 of 150	558.78	0.04	0.9992	EXP
16D26202	2.3 %	0.1361096	0.0006444	0.3377	EXP 150 of 150	0.0033598	0.0188215	0.0001	EXP 150 of 150	0.0481948	0.0150500	0.0005	EXP 149 of 150	3.73894	0.01598	0.2366	EXP 150 of 150	780.48	0.05	0.9996	EXP
16D26204	2.4 %	0.1163238	0.0006862	0.2886	EXP 150 of 150	0.0221212	0.0178543	0.0073	EXP 150 of 150	0.0424205	0.0169169	0.0015	EXP 150 of 150	3.39700	0.01606	0.3089	EXP 150 of 150	698.16	0.05	0.9995	EXP
16D26205	2.6 %	0.1677156	0.0006816	0.3787	EXP 150 of 150	0.0240009	0.0195222	0.0137	EXP 149 of 150	0.0766892	0.0169950	0.0000	EXP 150 of 150	5.68572	0.01713	0.5661	EXP 150 of 150	1202.04	0.05	0.9998	EXP
16D26206	2.8 %	0.1784593	0.0006663	0.5545	EXP 149 of 150	0.0061563	0.0187319	0.0056	EXP 150 of 150	0.0861500	0.0167648	0.0000	EXP 150 of 150	6.78836	0.01609	0.7263	EXP 149 of 150	1433.41	0.06	0.9999	EXP
16D26207	3.0 %	0.2332953	0.0006894	0.6846	EXP 149 of 150	0.0272644	0.0188788	0.0267	EXP 150 of 150	0.1775709	0.0164760	0.0013	EXP 150 of 150	10.02467	0.01631	0.8516	EXP 150 of 150	2127.81	0.07	0.9999	EXP
16D26208	3.2 %	0.1828165	0.0007475	0.7327	EXP 149 of 150	0.0042987	0.0168451	0.0050	EXP 150 of 150	0.1581013	0.0163670	0.0012	EXP 150 of 150	9.54080	0.01617	0.8560	EXP 150 of 150	1999.64	0.07	0.9999	EXP
16D26210	3.4 %	0.1874572	0.0007110	0.8403	EXP 150 of 150	0.0172364	0.0178784	0.0258	EXP 150 of 150	0.1960534	0.0156359	0.0046	EXP 150 of 150	11.43720	0.01661	0.8880	EXP 150 of 150	2419.10	0.08	0.9999	EXP
16D26211	3.7 %	0.2288189	0.0007619	0.8843	EXP 150 of 150	0.0002179	0.0178844	0.0033	EXP 150 of 150	0.2752011	0.0171256	0.0004	EXP 150 of 150	15.14396	0.01699	0.9385	EXP 150 of 150	3216.84	0.09	0.9999	EXP
16D26212	4.0 %	0.1790284	0.0007596	0.8552	EXP 150 of 150	0.0262031	0.0173075	0.0099	EXP 150 of 150	0.1920455	0.0161450	0.0037	EXP 149 of 150	11.37389	0.01594	0.8974	EXP 150 of 150	2426.39	0.08	0.9999	EXP
16D26213	4.3 %	0.1518696	0.0006148	0.9225	EXP 149 of 150	0.0165315	0.0171807	0.0034	EXP 150 of 150	0.1896865	0.0169715	0.0032	EXP 150 of 150	11.48041	0.01814	0.8592	EXP 150 of 150	2443.91	0.08	0.9999	EXP
16D26214	4.7 %	0.3102462	0.0009197	0.9636	EXP 150 of 150	0.0276339	0.0186229	0.0032	EXP 150 of 150	0.5810046	0.0174113	0.0043	EXP 150 of 150	30.05092	0.01761	0.9838	EXP 150 of 150	6420.28	0.16	1.0000	EXP
16D26216	5.0 %	0.1816150	0.0007317	0.9639	EXP 150 of 150	0.0191431	0.0191601	0.0209	EXP 150 of 150	0.3728732	0.0166473	0.0006	EXP 150 of 150	21.05235	0.01753	0.9667	EXP 150 of 150	4467.88	0.12	1.0000	EXP
16D26217	5.3 %	0.1962043	0.0008086	0.9687	EXP 150 of 150	0.0035774	0.0180536	0.0089	EXP 150 of 150	0.4599224	0.0170085	0.0250	EXP 150 of 150	24.23625	0.01683	0.9761	EXP 150 of 150	5164.48	0.12	1.0000	EXP
16D26218	5.7 %	0.1420512	0.0006526	0.9734	EXP 150 of 150	0.0186974	0.0184486	0.0003	EXP 150 of 150	0.3176769	0.0175388	0.0013	EXP 150 of 150	18.51532	0.01676	0.9569	EXP 150 of 150	3928.28	0.10	1.0000	EXP
16D26219	6.0 %	0.1685743	0.0008360	0.9683	EXP 150 of 150	0.0199258	0.0181812	0.0000	EXP 150 of 150	0.4148573	0.0175015	0.0001	EXP 150 of 150	23.31456	0.01842	0.9692	EXP 150 of 150	4950.41	0.12	1.0000	EXP
16D26221	6.4 %	0.1191048	0.0006028	0.9768	EXP 150 of 150	0.0117238	0.0180054	0.0068	EXP 150 of 150	0.3199255	0.0163743	0.0000	EXP 150 of 150	18.66046	0.01771	0.9552	EXP 150 of 150	3960.03	0.11	0.9999	EXP
16D26222	6.8 %	0.1133679	0.0006001	0.9798	EXP 150 of 150	0.0019383	0.0181728	0.0001	EXP 150 of 150	0.3298534	0.0160589	0.0042	EXP 148 of 150	19.17284	0.01633	0.9615	EXP 150 of 150	4068.83	0.10	1.0000	EXP
16D26223	7.2 %	0.0699164	0.0005338	0.9727	EXP 150 of 150	0.0355287	0.0167425	0.0225	EXP 150 of 150	0.1881367	0.0173576	0.0015	EXP 149 of 150	12.10045	0.01497	0.9073	EXP 150 of 150	2569.49	0.07	0.9999	EXP
16D26224	7.6 %	0.0776325	0.0005471	0.9773	EXP 150 of 150	0.0050871	0.0196421	0.0056	EXP 150 of 150	0.2393588	0.0189805	0.0037	EXP 150 of 150	14.55344	0.01455	0.9454	EXP 150 of 150	3083.47	0.09	0.9999	EXP
16D26225	8.0 %	0.0727013	0.0004897	0.9771	EXP 150 of 150	0.0145031	0.0185892	0.0085	EXP 150 of 150	0.2182615	0.0155812	0.0053	EXP 149 of 150	13.06501	0.01596	0.9162	EXP 150 of 150	2766.72	0.09	0.9999	EXP
16D26227	8.5 %	0.0933570	0.0006606	0.9705	EXP 150 of 150	0.0110346	0.0186784	0.0028	EXP 150 of 150	0.2956540	0.0153244	0.0015	EXP 150 of 150	17.31009	0.01696	0.9478	EXP 150 of 150	3685.59	0.11	0.9999	EXP
16D26228	9.0 %	0.0759123	0.0004961	0.9817	EXP 150 of 150	0.0051531	0.0175559	0.0045	EXP 150 of 150	0.2251475	0.0167683	0.0056	EXP 150 of 150	15.13530	0.01835	0.9210	EXP 150 of 150	3219.66	0.10	0.9999	EXP
16D26229	9.5 %	0.0793897	0.0005862	0.9768	EXP 150 of 150	0.0310660	0.0171730	0.0334	EXP 150 of 150	0.2503020	0.0164741	0.0022	EXP 150 of 150	15.93082	0.01625	0.9412	EXP 150 of 150	3391.10	0.10	0.9999	EXP
16D26230	10.0 %	0.1134727	0.0006356	0.9852	EXP 150 of 150	0.0191594	0.0209698	0.0001	EXP 150 of 150	0.3757010	0.0178085	0.0146	EXP 150 of 150	24.02790	0.01806	0.9707	EXP 150 of 150	5119.01	0.		

16D26235	12.0 %	0.1023730	0.0006355	0.9809	EXP 150 of 150	0.0057448	0.0180818	0.0057	EXP 150 of 150	0.3489224	0.0175015	0.0000	EXP 150 of 150	20.03038	0.01556	0.9686	EXP 150 of 150	4278.89	0.11	1.0000	EXP
16D26237	12.5 %	0.0736524	0.0005323	0.9757	EXP 150 of 150	0.0474928	0.0191459	0.0259	EXP 150 of 150	0.2330938	0.0161315	0.0025	EXP 150 of 150	13.78395	0.01601	0.9276	EXP 150 of 150	2946.70	0.09	0.9999	EXP
16D26238	13.0 %	0.0846048	0.0005915	0.9810	EXP 150 of 150	0.0249646	0.0190470	0.0017	EXP 150 of 150	0.2983428	0.0176271	0.0007	EXP 150 of 150	18.54026	0.01586	0.9605	EXP 150 of 150	3949.94	0.10	1.0000	EXP
16D26239	13.5 %	0.1172883	0.0006025	0.9877	EXP 150 of 150	0.0074327	0.0178267	0.0092	EXP 150 of 150	0.4379242	0.0164455	0.0020	EXP 150 of 150	24.48169	0.01676	0.9751	EXP 149 of 150	5193.74	0.11	1.0000	EXP
16D26241	14.0 %	0.1011816	0.0005917	0.9828	EXP 150 of 150	0.0026511	0.0197215	0.0034	EXP 150 of 150	0.3601790	0.0180097	0.0020	EXP 150 of 150	20.56409	0.01533	0.9712	EXP 149 of 150	4379.39	0.11	1.0000	EXP

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Sample Parameters		Sample	Material	Location	Analyst	Temp	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air	%1σ
															40Ar/36Ar	
16D26178	0.3 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26179	0.4 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26180	0.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26181	0.6 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.6	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26183	0.7 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.7	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26184	0.8 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.8	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26185	0.9 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	0.9	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26186	1.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26188	1.1 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.1	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26189	1.2 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.2	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26190	1.3 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26191	1.4 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26192	1.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26194	1.6 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.6	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26195	1.7 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.7	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26196	1.8 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.8	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26197	1.9 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	1.9	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26199	2.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26200	2.1 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.1	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26201	2.2 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.2	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26202	2.3 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26204	2.4 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26205	2.6 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.6	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26206	2.8 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	2.8	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26207	3.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26208	3.2 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	3.2	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26210	3.4 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	3.4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26211	3.7 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	3.7	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26212	4.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26213	4.3 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	4.3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26214	4.7 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	4.7	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26216	5.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26217	5.3 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	5.3	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26218	5.7 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	5.7	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26219	6.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	6	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26221	6.4 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	6.4	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26222	6.8 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	6.8	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26223	7.2 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	7.2	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26224	7.6 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	7.6	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26225	8.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	8	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26227	8.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	8.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26228	9.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	9	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26229	9.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	9.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26230	10.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	10	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26232	10.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	10.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26233	11.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	11	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26234	11.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	11.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12

16D26235	12.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	12	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26237	12.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	12.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26238	13.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	13	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26239	13.5 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	13.5	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12
16D26241	14.0 %	MB04-7	Biotite	South Shetlands Islands	Dan Miggins	14	FCT-NM (3C11-16)	28.201	0.082	Kuiper et al (2008)	9.90637	0.111	0.00158659	0.111	304.927	0.12

MDF (lin)	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
0.992261112	0.065	1	4.8E-14	23	JUL	2016	22	10	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	22	19	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	22	27	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	22	36	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	22	53	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	1	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	10	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	18	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	35	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	44	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	23	JUL	2016	23	53	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	1	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	10	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	27	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	35	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	44	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	0	52	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	1	9	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	1	18	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	1	27	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	1	35	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	1	52	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	1	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	9	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	18	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	26	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	43	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	2	52	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	0	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	9	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	18	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	35	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	43	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	3	52	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	0	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	17	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	26	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	34	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	43	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	4	52	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	5	9	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	5	17	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	5	26	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	5	34	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	5	51	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	0	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	8	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01

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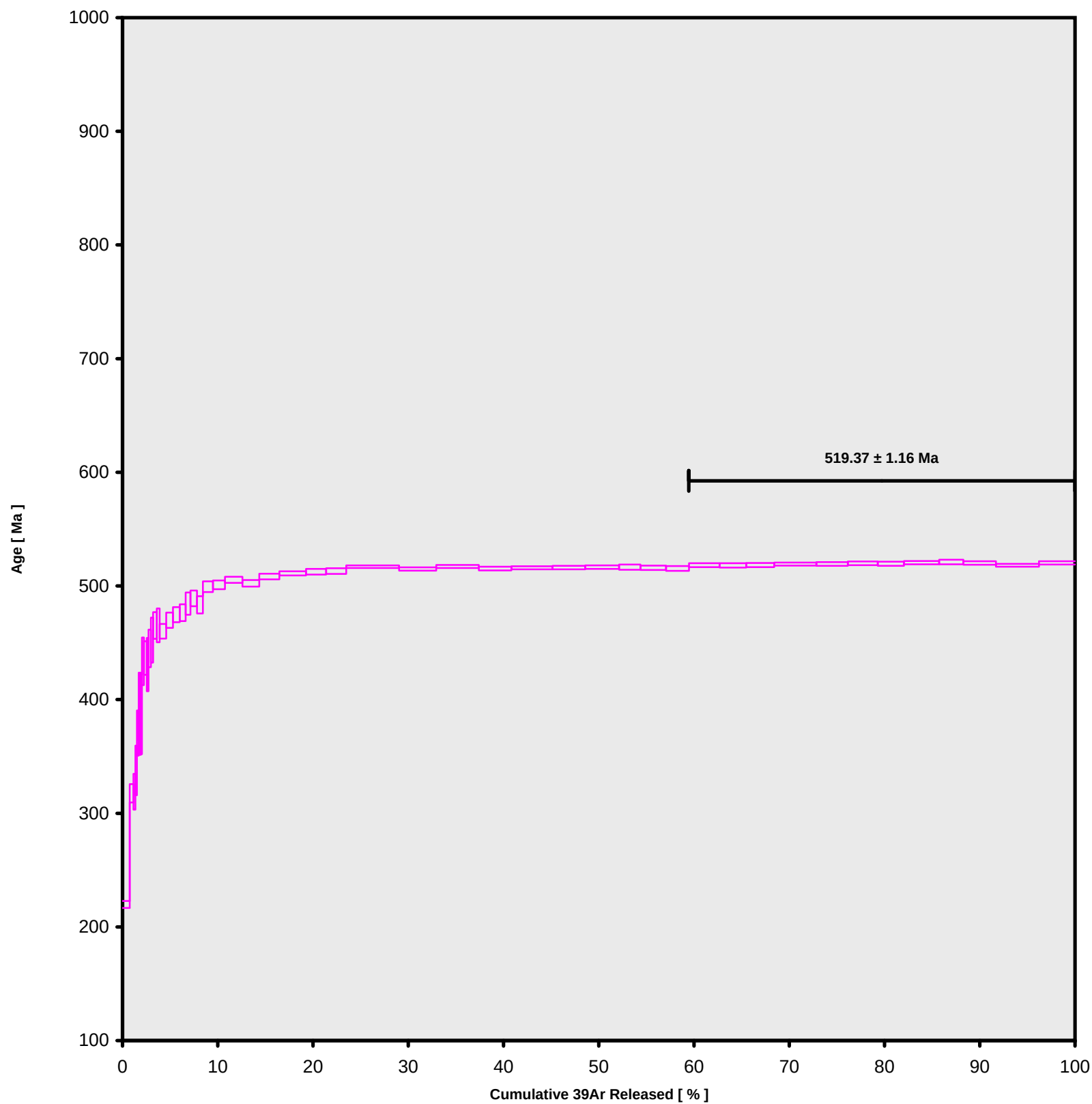
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	17	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	34	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	43	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	6	51	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01
0.992261112	0.065	1	4.8E-14	24	JUL	2016	7	8	1	16-OSU-03	0.00	0.00	16.98	Antarctica\Gao (15-54)	16D26172	01

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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		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ	
16D26178	0.3 %	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
16D26179	0.4 %	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
16D26180	0.5 %	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
16D26181	0.6 %	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
16D26183	0.7 %	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
16D26184	0.8 %	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
16D26185	0.9 %	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
16D26186	1.0 %	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
16D26188	1.1 %	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
16D26189	1.2 %	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
16D26190	1.3 %	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
16D26191	1.4 %	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
16D26192	1.5 %	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
16D26194	1.6 %	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
16D26195	1.7 %	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
16D26196	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
16D26197	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
16D26199	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
16D26200	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
16D26201	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
16D26202	2.3 %	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
16D26204	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
16D26205	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
16D26206	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
16D26207	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
16D26208	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
16D26210	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
16D26211	3.7 %	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
16D26212	4.0 %	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
16D26213	4.3 %	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
16D26214	4.7 %	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
16D26216	5.0 %	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
16D26217	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
16D26218	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
16D26219	6.0 %	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
16D26221	6.4 %	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
16D26222	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
16D26223	7.2 %	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
16D26224	7.6 %	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
16D26225	8.0 %	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
16D26227	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
16D26228	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
16D26229	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
16D26230	10.0 %	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
16D26232	10.5 %	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
16D26233	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
16D26234	11.5 %	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</						

16D26235	12.0 %	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
16D26237	12.5 %	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
16D26238	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
16D26239	13.5 %	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
16D26241	14.0 %	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

16D26172.AGE >>> MB04-7 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
519.37 ± 1.16
TOTAL FUSION
509.06 ± 1.05
NORMAL ISOCHRON
519.35 ± 13.26
INVERSE ISOCHRON
519.43 ± 13.27

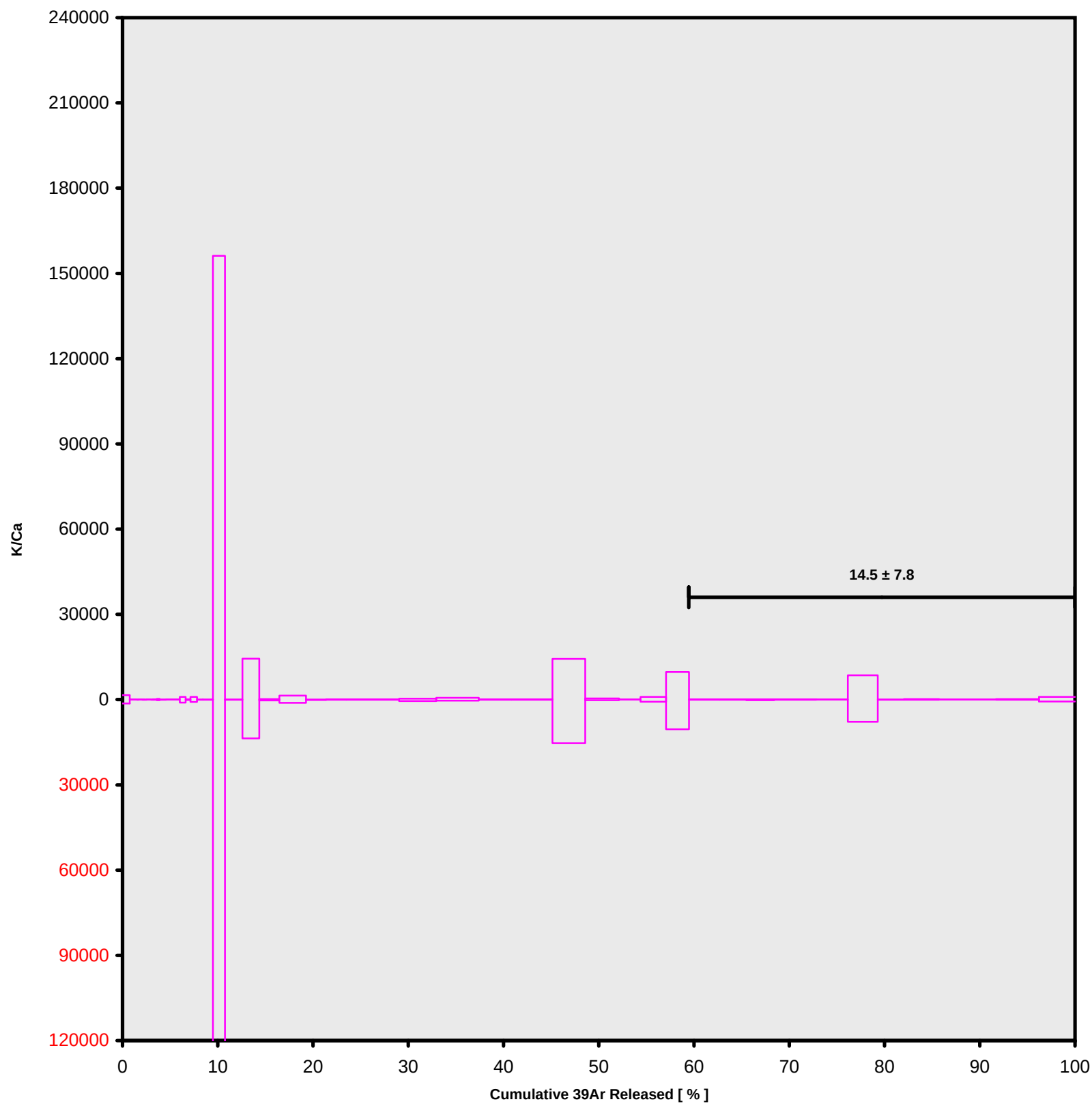
MSWD (PROBABILITY)
1.57 (10%)

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C11-16)
J = 0.00158659 ± 0.00000176

16D26172.AGE >>> MB04-7 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

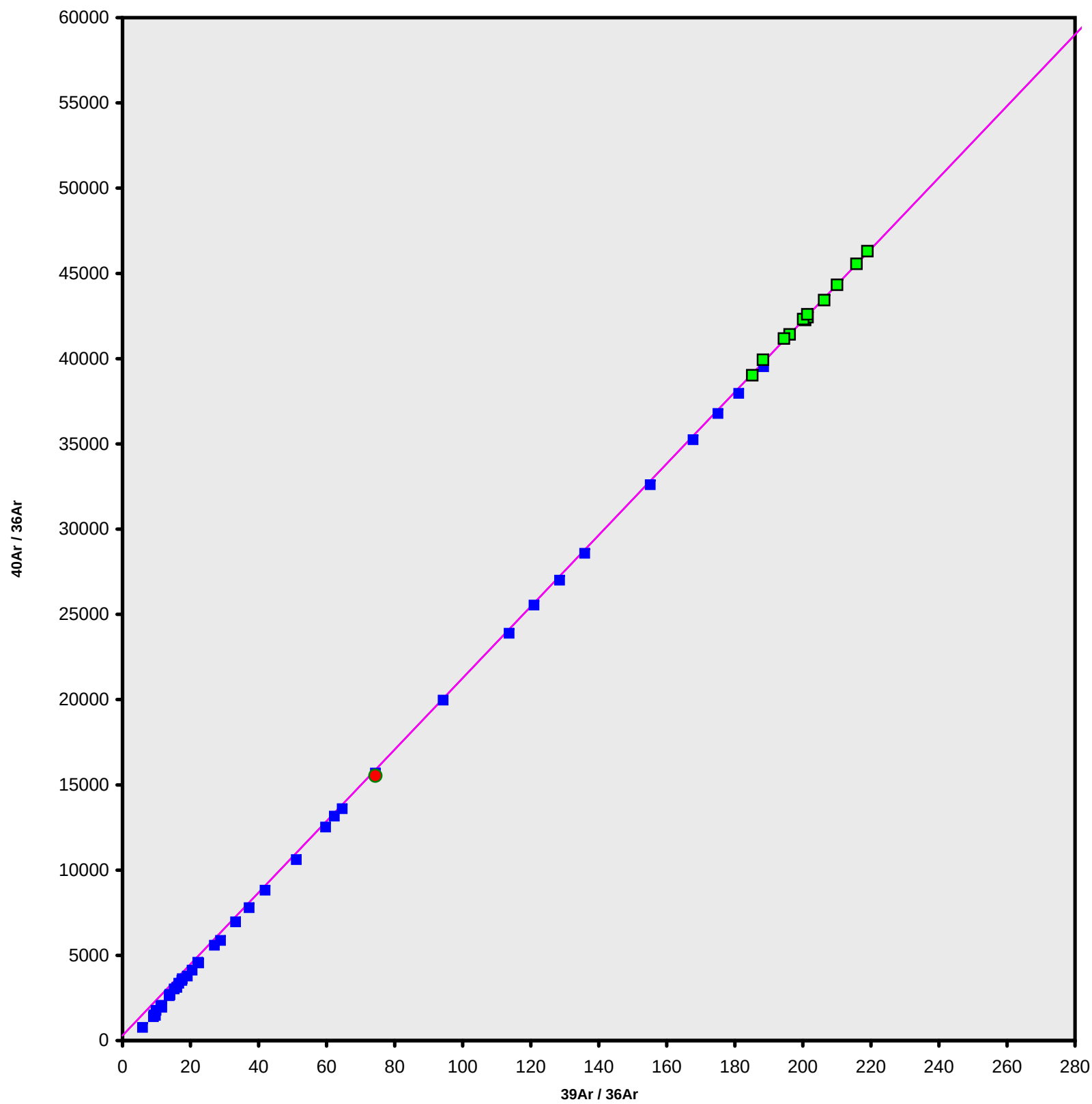
WEIGHTED PLATEAU
519.37 ± 1.16
TOTAL FUSION
509.06 ± 1.05
NORMAL ISOCHRON
519.35 ± 13.26
INVERSE ISOCHRON
519.43 ± 13.27

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16D26172.AGE >>> MB04-7 >>> ANTARCTICA | GAO (15-54) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 519.37 ± 1.16
TOTAL FUSION
 509.06 ± 1.05
NORMAL ISOCHRON
 519.35 ± 13.26
INVERSE ISOCHRON
 519.43 ± 13.27

MSWD (PROBABILITY)
 1.72 (7%)

40AR/36AR INTERCEPT
 298.7 ± 1239.0

Sample Info

Biotite
South Shetlands
Islands
Dan Miggins

IRR = 16-OSU-03 (3C11-16)
 $J = 0.00158659 \pm 0.00000176$

16D26172.AGE >>> MB04-7 >>> ANTARCTICA | GAO (15-54) PROJECT

