

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
16D30477	1.8 %	0.1427504	0.593	21.1001	0.387	0.1512793	16.298	8.08628	0.343	86.5666	0.238	5.70042 ± 0.08938	15.76 ± 0.25	53.15	3.01	0.1645 ± 0.0017
16D30478	2.0 %	0.0580083	1.017	17.8397	0.435	0.0608632	37.608	5.71066	0.462	42.0038	0.491	4.60541 ± 0.10400	12.74 ± 0.29	62.48	2.13	0.1374 ± 0.0017
16D30480	2.2 %	0.0647079	0.966	30.4994	0.319	0.0981077	25.142	8.38798	0.336	52.1268	0.396	4.22757 ± 0.07208	11.70 ± 0.20	67.86	3.12	0.1180 ± 0.0011
16D30481	2.4 %	0.0301155	1.759	23.7522	0.371	0.0895823	26.694	6.22095	0.440	31.2406	0.660	3.89804 ± 0.09030	10.79 ± 0.25	77.42	2.32	0.1123 ± 0.0013
16D30482	2.6 %	0.0379680	1.452	40.0376	0.289	0.1052778	22.890	9.48650	0.302	44.4883	0.464	3.84623 ± 0.06031	10.65 ± 0.17	81.78	3.53	0.1016 ± 0.0009
16D30484	2.8 %	0.0237092	2.171	32.4210	0.313	0.1017346	22.267	7.57682	0.364	32.1222	0.642	3.65837 ± 0.07294	10.13 ± 0.20	86.04	2.82	0.1002 ± 0.0010
16D30485	3.0 %	0.0287986	1.832	44.3513	0.281	0.1162009	20.835	9.78374	0.291	40.9367	0.504	3.67852 ± 0.05724	10.19 ± 0.16	87.65	3.64	0.0946 ± 0.0008
16D30486	3.3 %	0.0206338	2.473	38.3486	0.298	0.1020756	25.452	8.33649	0.338	32.9207	0.626	3.58692 ± 0.06612	9.93 ± 0.18	90.55	3.10	0.0932 ± 0.0008
16D30487	3.6 %	0.0249426	2.166	48.9247	0.271	0.0991587	23.664	10.20990	0.281	39.6390	0.521	3.54526 ± 0.05510	9.82 ± 0.15	91.02	3.80	0.0894 ± 0.0007
16D30489	3.9 %	0.0449989	1.296	91.4011	0.251	0.2394392	10.225	18.13674	0.168	69.8642	0.295	3.52369 ± 0.03210	9.76 ± 0.09	91.16	6.75	0.0850 ± 0.0005
16D30490	4.3 %	0.0306136	1.764	68.2843	0.261	0.1562804	15.320	13.37325	0.218	50.0992	0.412	3.47977 ± 0.04208	9.64 ± 0.12	92.57	4.98	0.0839 ± 0.0006
16D30491	4.6 %	0.0310532	1.755	70.7874	0.258	0.1399811	17.333	13.43839	0.211	49.9291	0.413	3.45557 ± 0.04183	9.57 ± 0.12	92.68	5.00	0.0813 ± 0.0005
16D30492	4.9 %	0.0282113	1.842	68.5783	0.260	0.1779828	13.983	12.47235	0.227	45.6452	0.452	3.43298 ± 0.04433	9.51 ± 0.12	93.46	4.64	0.0779 ± 0.0005
16D30494	5.2 %	0.0264110	2.000	56.5737	0.266	0.1244075	19.157	9.99176	0.283	38.7270	0.533	3.55013 ± 0.05583	9.83 ± 0.15	91.24	3.72	0.0757 ± 0.0006
16D30495	5.5 %	0.0327625	1.655	80.8120	0.254	0.1358985	16.852	13.62921	0.219	50.5346	0.409	3.47418 ± 0.04151	9.62 ± 0.11	93.32	5.07	0.0722 ± 0.0005
16D30496	5.8 %	0.0192620	2.611	48.7207	0.277	0.0700569	34.807	8.04630	0.339	29.6110	0.697	3.45950 ± 0.06775	9.58 ± 0.19	93.62	2.99	0.0707 ± 0.0006
16D30498	6.1 %	0.0250155	2.083	64.4832	0.260	0.1132825	21.687	10.38281	0.259	38.3596	0.538	3.48209 ± 0.05307	9.64 ± 0.15	93.85	3.86	0.0689 ± 0.0005
16D30499	6.5 %	0.0230280	2.197	55.3328	0.268	0.0882637	26.708	8.66061	0.324	32.2193	0.640	3.44834 ± 0.06328	9.55 ± 0.17	92.29	3.22	0.0670 ± 0.0006
16D30500	7.0 %	0.0202835	2.500	46.7601	0.275	0.0864350	27.948	7.08344	0.384	26.7720	0.770	3.46447 ± 0.07716	9.60 ± 0.21	91.26	2.63	0.0648 ± 0.0006
16D30502	7.6 %	0.0201481	2.583	49.4158	0.272	0.1108417	20.946	7.23333	0.378	26.9104	0.766	3.44698 ± 0.07615	9.55 ± 0.21	92.23	2.69	0.0627 ± 0.0006
16D30503	8.4 %	0.0265592	1.906	64.6698	0.263	0.1285726	19.110	8.94974	0.308	33.6591	0.613	3.46574 ± 0.06121	9.60 ± 0.17	91.70	3.33	0.0592 ± 0.0005
16D30504	9.4 %	0.0313623	1.715	78.6884	0.255	0.1341977	17.191	10.24530	0.271	37.9278	0.544	3.41571 ± 0.05449	9.46 ± 0.15	91.79	3.81	0.0557 ± 0.0004
16D30506	10.5 %	0.0326578	1.644	80.9257	0.254	0.1395492	17.096	9.88596	0.286	36.2268	0.569	3.34720 ± 0.05646	9.27 ± 0.16	90.84	3.67	0.0522 ± 0.0004
16D30507	11.7 %	0.0346356	1.625	84.9943	0.253	0.1376673	16.333	9.09401	0.311	33.0310	0.624	3.25902 ± 0.06223	9.03 ± 0.17	89.16	3.37	0.0457 ± 0.0004
16D30508	13.1 %	0.0413066	1.384	105.5764	0.250	0.1231113	19.406	8.02511	0.356	29.1742	0.706	3.17409 ± 0.07106	8.79 ± 0.20	86.54	2.97	0.0324 ± 0.0003
16D30510	14.7 %	0.0575999	1.083	160.1386	0.245	0.0883678	26.402	6.85598	0.415	25.2824	0.815	3.08803 ± 0.08665	8.56 ± 0.24	82.42	2.52	0.0181 ± 0.0002
16D30511	16.5 %	0.1286696	0.626	291.3461	0.242	0.1544222	15.185	7.08672	0.383	35.2370	0.585	2.91966 ± 0.09617	8.09 ± 0.27	57.09	2.57	0.0102 ± 0.0001
16D30512	18.5 %	0.1563168	0.555	469.2999	0.242	0.1622934	14.650	7.65048	0.362	29.4138	0.701	2.74426 ± 0.09650	7.60 ± 0.27	68.42	2.74	0.0067 ± 0.0001
16D30514	19.8 %	0.1250009	0.637	380.1165	0.242	0.1307603	18.399	5.61847	0.488	22.2092	0.928	2.82816 ± 0.12438	7.84 ± 0.34	68.28	2.00	0.0061 ± 0.0001
Σ		1.3675308	0.233	2714.1799	0.068	3.5660912	3.612	269.65927	0.056	1142.8773	0.097					

Information on Analysis and Constants Used in Calculations

Project = **MECO (16-12)**
 Sample = **114941**
 Material = **Groundmass**
 Location = **Lanzarote Islands**
 Region = **Canary Islands**
 Analyst = **Anthony Koppers**
 Irradiation = **16-OSU-07 (7A27-16)**
 Position = **X: 0 | Y: 0 | Z/H: 34.2 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **10.23477 ± 0.00706**
 FCT-NM J-value = **0.00153569 ± 0.00000106**
 Air Shot 40Ar/36Ar = **303.3600 ± 0.4490**
 Air Shot MDF = **0.99351418 ± 0.00068132 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Undefined**
 Heating = **77 sec**
 Isolation = **3.00 min**
 Instrument = **ARGUS-VI-D**
 Preferred Age = **Undefined**
 Age Classification = **Undefined**
 IGSN = **Undefined**
 Rock Class = **Undefined**
 Lithology = **Undefined**
 Lat-Lon = **Undefined - Undefined**

Age Equations = **Min et al. (2000)**
 Negative Intensities = **Allowed**
 Collector Calibrations = **36Ar**
 Decay 40K = **5.530 ± 0.048 E-10 1/a**
 Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
 Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
 Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
 Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
 Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
 Atmospheric 40/36(a) = **295.50**
 Atmospheric 38/36(a) = **0.1869**
 Production 39/37(ca) = **0.0006756 ± 0.0000089**
 Production 38/37(ca) = **0.0000718 ± 0.0000092**
 Production 36/37(ca) = **0.0002663 ± 0.0000004**
 Production 40/39(k) = **0.003823 ± 0.000102**
 Production 38/39(k) = **0.012031 ± 0.000019**
 Production 36/38(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		3.46509 ± 0.01865 ± 0.54%	9.60 ± 0.05 ± 0.55%	1.50 12%	45.92 12	0.0690 ± 0.0053
			Full External Error ± 0.22 Analytical Error ± 0.05	1.85 1.2246	20 Confidence Limit Error Magnification	
Total Fusion Age		3.55208 ± 0.01165 ± 0.33%	9.84 ± 0.03 ± 0.35%		29	0.0424 ± 0.0001
			Full External Error ± 0.22 Analytical Error ± 0.03			
Normal Isochron	435.17 ± 169.65 ± 38.98%	3.33351 ± 0.15732 ± 4.72%	9.23 ± 0.43 ± 4.71%	1.14 33%	45.92 12	
No Convergence			Full External Error ± 0.48 Analytical Error ± 0.43	1.89 1.0676	20 Confidence Limit Error Magnification	
				100 0.0003497317	Number of Iterations Convergence	
Inverse Isochron	467.22 ± 173.03 ± 37.03%	3.30780 ± 0.15401 ± 4.66%	9.16 ± 0.43 ± 4.65%	1.12 34%	45.92 12	
			Full External Error ± 0.47 Analytical Error ± 0.43	1.89 1.0570	20 Confidence Limit Error Magnification	
				5 0.0002807924	Number of Iterations Convergence	
				5%	Spreading Factor	

Incremental Heating		36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D30477	1.8 %	0.1371296	21.1001	0.0270203	8.07202	46.01396	15.76 ± 0.25	53.15	3.01	0.1645 ± 0.0017
16D30478	2.0 %	0.0532576	17.8397	0.0000000	5.69861	26.24442	12.74 ± 0.29	62.48	2.13	0.1374 ± 0.0017
16D30480	2.2 %	0.0565859	30.4994	0.0000000	8.36738	35.37371	11.70 ± 0.20	67.86	3.12	0.1180 ± 0.0011
16D30481	2.4 %	0.0237897	23.7522	0.0087794	6.20491	24.18699	10.79 ± 0.25	77.42	2.32	0.1123 ± 0.0013
16D30482	2.6 %	0.0273060	40.0376	0.0000000	9.45945	36.38322	10.65 ± 0.17	81.78	3.53	0.1016 ± 0.0009
16D30484	2.8 %	0.0150751	32.4210	0.0056961	7.55491	27.63864	10.13 ± 0.20	86.04	2.82	0.1002 ± 0.0010
16D30485	3.0 %	0.0169879	44.3513	0.0000000	9.75377	35.87944	10.19 ± 0.16	87.65	3.64	0.0946 ± 0.0008
16D30486	3.3 %	0.0104216	38.3486	0.0000000	8.31058	29.80938	9.93 ± 0.18	90.55	3.10	0.0932 ± 0.0008
16D30487	3.6 %	0.0119139	48.9247	0.0000000	10.17684	36.07951	9.82 ± 0.15	91.02	3.80	0.0894 ± 0.0007
16D30489	3.9 %	0.0206580	91.4011	0.0115554	18.07499	63.69071	9.76 ± 0.09	91.16	6.75	0.0850 ± 0.0005
16D30490	4.3 %	✓ 0.0124295	68.2843	0.0000000	13.32712	46.37535	9.64 ± 0.12	92.57	4.98	0.0839 ± 0.0006
16D30491	4.6 %	✓ 0.0122025	70.7874	0.0000000	13.39056	46.27202	9.57 ± 0.12	92.68	5.00	0.0813 ± 0.0005
16D30492	4.9 %	✓ 0.0099474	68.5783	0.0217023	12.42602	42.65824	9.51 ± 0.12	93.46	4.64	0.0779 ± 0.0005
16D30494	5.2 %	✓ 0.0113454	56.5737	0.0000000	9.95354	35.33639	9.83 ± 0.15	91.24	3.72	0.0757 ± 0.0006
16D30495	5.5 %	✓ 0.0112423	80.8120	0.0000000	13.57461	47.16061	9.62 ± 0.11	93.32	5.07	0.0722 ± 0.0005
16D30496	5.8 %	✓ 0.0062877	48.7207	0.0000000	8.01339	27.72231	9.58 ± 0.19	93.62	2.99	0.0707 ± 0.0006
16D30498	6.1 %	✓ 0.0078436	64.4832	0.0000000	10.33925	36.00224	9.64 ± 0.15	93.85	3.86	0.0689 ± 0.0005
16D30499	6.5 %	✓ 0.0082928	55.3328	0.0000000	8.62322	29.73577	9.55 ± 0.17	92.29	3.22	0.0670 ± 0.0006
16D30500	7.0 %	✓ 0.0078312	46.7601	0.0000000	7.05185	24.43092	9.60 ± 0.21	91.26	2.63	0.0648 ± 0.0006
16D30502	7.6 %	✓ 0.0069873	49.4158	0.0193651	7.19995	24.81807	9.55 ± 0.21	92.23	2.69	0.0627 ± 0.0006
16D30503	8.4 %	✓ 0.0093365	64.6698	0.0150357	8.90605	30.86608	9.60 ± 0.17	91.70	3.33	0.0592 ± 0.0005
16D30504	9.4 %	✓ 0.0104073	78.6884	0.0039811	10.19214	34.81343	9.46 ± 0.15	91.79	3.81	0.0557 ± 0.0004
16D30506	10.5 %	0.0111064	80.9257	0.0133827	9.83129	32.90731	9.27 ± 0.16	90.84	3.67	0.0522 ± 0.0004
16D30507	11.7 %	0.0120001	84.9943	0.0206028	9.03658	29.45038	9.03 ± 0.17	89.16	3.37	0.0457 ± 0.0004
16D30508	13.1 %	0.0131904	105.5764	0.0173737	7.95378	25.24603	8.79 ± 0.20	86.54	2.97	0.0324 ± 0.0003
16D30510	14.7 %	0.0149550	160.1386	0.0000000	6.74779	20.83735	8.56 ± 0.24	82.42	2.52	0.0181 ± 0.0002
16D30511	16.5 %	0.0510812	291.3461	0.0410643	6.88988	20.11612	8.09 ± 0.27	57.09	2.57	0.0102 ± 0.0001
16D30512	18.5 %	0.0313398	469.2999	0.0345119	7.33342	20.12483	7.60 ± 0.27	68.42	2.74	0.0067 ± 0.0001
16D30514	19.8 %	0.0237735	380.1165	0.0345184	5.36167	15.16366	7.84 ± 0.34	68.28	2.00	0.0061 ± 0.0001
Σ		0.6447254	2714.1799	0.2745890	267.82557	951.33709				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Project = MECO (16-12) Sample = 114941 Material = Groundmass Location = Lanzarote Islands Region = Canary Islands Analyst = Anthony Koppers Irradiation = 16-OSU-07 (7A27-16) J = 0.00153569 ± 0.00000106 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	3.46509 ± 0.01865 ± 0.54%	9.60 ± 0.05 ± 0.55%	1.50 12%	45.92 12	0.0690 ± 0.0053
			Full External Error ± 0.22 Analytical Error ± 0.05	1.85 1.2246	2σ Confidence Limit Error Magnification	
	Total Fusion Age	3.55208 ± 0.01165 ± 0.33%	9.84 ± 0.03 ± 0.35%		29	0.0424 ± 0.0001
			Full External Error ± 0.22 Analytical Error ± 0.03			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D30477	1.8 %	58.86 ± 0.83	631.05 ± 8.35	0.8150
16D30478	2.0 %	107.00 ± 2.57	788.28 ± 19.12	0.8435
16D30480	2.2 %	147.87 ± 3.42	920.63 ± 21.62	0.9006
16D30481	2.4 %	260.82 ± 11.85	1312.20 ± 61.01	0.9405
16D30482	2.6 %	346.42 ± 14.17	1627.92 ± 67.58	0.9639
16D30484	2.8 %	501.15 ± 34.47	2128.90 ± 148.16	0.9773
16D30485	3.0 %	574.16 ± 35.91	2407.56 ± 151.88	0.9828
16D30486	3.3 %	797.44 ± 78.44	3155.84 ± 312.20	0.9896
16D30487	3.6 %	854.20 ± 77.83	3323.85 ± 304.23	0.9916
16D30489	3.9 %	874.97 ± 49.87	3378.61 ± 193.26	0.9929
16D30490	4.3 % ✓	1072.22 ± 93.77	4026.57 ± 353.26	0.9943
16D30491	4.6 % ✓	1097.36 ± 98.64	4087.50 ± 368.57	0.9947
16D30492	4.9 % ✓	1249.17 ± 131.39	4583.88 ± 483.48	0.9954
16D30494	5.2 % ✓	877.32 ± 82.15	3410.10 ± 320.80	0.9917
16D30495	5.5 % ✓	1207.46 ± 117.39	4490.42 ± 437.67	0.9955
16D30496	5.8 % ✓	1274.45 ± 204.70	4704.47 ± 757.79	0.9953
16D30498	6.1 % ✓	1318.17 ± 176.13	4885.49 ± 654.41	0.9960
16D30499	6.5 % ✓	1039.84 ± 127.55	3881.21 ± 478.01	0.9932
16D30500	7.0 % ✓	900.48 ± 117.15	3415.18 ± 446.65	0.9913
16D30502	7.6 % ✓	1030.43 ± 154.15	3847.37 ± 577.84	0.9935
16D30503	8.4 % ✓	953.89 ± 104.15	3601.44 ± 395.07	0.9921
16D30504	9.4 % ✓	979.32 ± 102.01	3640.59 ± 380.78	0.9932
16D30506	10.5 %	885.20 ± 86.34	3258.43 ± 319.42	0.9915
16D30507	11.7 %	753.04 ± 71.30	2749.67 ± 262.04	0.9892
16D30508	13.1 %	603.00 ± 53.00	2209.47 ± 196.04	0.9839
16D30510	14.7 %	451.21 ± 38.55	1688.83 ± 146.21	0.9773
16D30511	16.5 %	134.88 ± 4.54	689.31 ± 23.95	0.9151
16D30512	18.5 %	234.00 ± 14.12	937.65 ± 57.65	0.9658
16D30514	19.8 %	225.53 ± 16.23	933.34 ± 68.70	0.9576

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	435.17 ± 169.65 ± 38.98%	3.33351 ± 0.15732 ± 4.72%	9.23 ± 0.43 ± 4.71%	1.14 33%
			Full External Error ± 0.48 Analytical Error ± 0.43	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.89 1.0676 12	Convergence Number of Iterations Calculated Line	0.000349731703 100 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D30477	1.8 %	0.0932796 ± 0.0007803	0.00158466 ± 0.00002097	0.2055
16D30478	2.0 %	0.1357392 ± 0.0018337	0.00126858 ± 0.00003077	0.2951
16D30480	2.2 %	0.1606181 ± 0.0016699	0.00108621 ± 0.00002551	0.2573
16D30481	2.4 %	0.1987679 ± 0.0031589	0.00076208 ± 0.00003543	0.2362
16D30482	2.6 %	0.2128007 ± 0.0023594	0.00061428 ± 0.00002550	0.1871
16D30484	2.8 %	0.2354045 ± 0.0034790	0.00046973 ± 0.00003269	0.1606
16D30485	3.0 %	0.2384823 ± 0.0027786	0.00041536 ± 0.00002620	0.1384
16D30486	3.3 %	0.2526861 ± 0.0035999	0.00031687 ± 0.00003135	0.1114
16D30487	3.6 %	0.2569905 ± 0.0030468	0.00030086 ± 0.00002754	0.1002
16D30489	3.9 %	0.2589721 ± 0.0017612	0.00029598 ± 0.00001693	0.0898
16D30490	4.3 % ✓	0.2662853 ± 0.0024868	0.00024835 ± 0.00002179	0.0830
16D30491	4.6 % ✓	0.2684671 ± 0.0024967	0.00024465 ± 0.00002206	0.0817
16D30492	4.9 % ✓	0.2725142 ± 0.0027606	0.00021816 ± 0.00002301	0.0766
16D30494	5.2 % ✓	0.2572707 ± 0.0031094	0.00029325 ± 0.00002759	0.1000
16D30495	5.5 % ✓	0.2688962 ± 0.0024967	0.00022270 ± 0.00002171	0.0739
16D30496	5.8 % ✓	0.2709026 ± 0.0042051	0.00021256 ± 0.00003424	0.0778
16D30498	6.1 % ✓	0.2698131 ± 0.0032266	0.00020469 ± 0.00002742	0.0723
16D30499	6.5 % ✓	0.2679159 ± 0.0038513	0.00025765 ± 0.00003173	0.0927
16D30500	7.0 % ✓	0.2636692 ± 0.0045474	0.00029281 ± 0.00003829	0.1055
16D30502	7.6 % ✓	0.2678271 ± 0.0045825	0.00025992 ± 0.00003904	0.0915
16D30503	8.4 % ✓	0.2648637 ± 0.0036406	0.00027767 ± 0.00003046	0.0998
16D30504	9.4 % ✓	0.2690013 ± 0.0032749	0.00027468 ± 0.00002873	0.0930
16D30506	10.5 %	0.2716633 ± 0.0034683	0.00030690 ± 0.00003009	0.1038
16D30507	11.7 %	0.2738656 ± 0.0038272	0.00036368 ± 0.00003466	0.1173
16D30508	13.1 %	0.2729153 ± 0.0043303	0.00045260 ± 0.00004016	0.1420
16D30510	14.7 %	0.2671698 ± 0.0049073	0.00059212 ± 0.00005126	0.1674
16D30511	16.5 %	0.1956763 ± 0.0027652	0.00145073 ± 0.00005041	0.2791
16D30512	18.5 %	0.2495570 ± 0.0039860	0.00106650 ± 0.00006557	0.2004
16D30514	19.8 %	0.2416393 ± 0.0051338	0.00107142 ± 0.00007886	0.2208

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	467.22 ± 173.03 ± 37.03%	3.30780 ± 0.15401 ± 4.66%	9.16 ± 0.43 ± 4.65%	1.12 34%
			Full External Error ± 0.47 Analytical Error ± 0.43	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.89 1.0570 12 5.0%	Convergence Number of Iterations Calculated Line	0.0002807924 5 Weighted York-2

Degassing 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	[fA]	%1σ
16D30477	1.8 %	0.1371296	0.62	0.0000000	0.00	0.0056190	0.42	0.0000019	91.27	21.1001	0.39	0.0256295	0.62	0.0000000	0.00	0.0971145	0.38	0.0015150	12.83	0.0270203	91.28	8.07202	0.34	0.0142552	1.38	46.01396	0.70	40.52179	0.62	0.0000000	0.00	0.0308593	2.68
16D30478	2.0 %	0.0532576	1.11	0.0000000	0.00	0.0047507	0.46	0.0000000	0.00	17.8397	0.44	0.0099538	1.11	0.0000000	0.00	0.0685599	0.49	0.0012809	12.83	0.0000000	0.00	5.69861	0.46	0.0120525	1.39	26.24442	1.03	15.73761	1.11	0.0000000	0.00	0.0217858	2.70
16D30480	2.2 %	0.0565859	1.11	0.0000000	0.00	0.0081220	0.35	0.0000000	0.00	30.4994	0.32	0.0105759	1.11	0.0000000	0.00	0.1006679	0.37	0.0021899	12.82	0.0000000	0.00	8.36738	0.34	0.0206054	1.36	35.37371	0.78	16.72113	1.11	0.0000000	0.00	0.0319885	2.68
16D30481	2.4 %	0.0237897	2.23	0.0000000	0.00	0.0063252	0.40	0.0000006	272.42	23.7522	0.37	0.0044463	2.23	0.0000000	0.00	0.0746512	0.47	0.0017054	12.83	0.0087794	272.42	6.20491	0.44	0.0160470	1.37	24.18699	1.07	7.02986	2.23	0.0000000	0.00	0.0237214	2.70
16D30482	2.6 %	0.0273060	2.02	0.0000000	0.00	0.0106620	0.33	0.0000000	0.00	40.0376	0.29	0.0051035	2.02	0.0000000	0.00	0.1138066	0.34	0.0028747	12.82	0.0000000	0.00	9.45945	0.30	0.0270494	1.35	36.38322	0.72	8.06893	2.02	0.0000000	0.00	0.0361635	2.68
16D30484	2.8 %	0.0150751	3.42	0.0000000	0.00	0.0086337	0.35	0.0000004	397.79	32.4210	0.31	0.0028175	3.42	0.0000000	0.00	0.0908931	0.40	0.0023278	12.82	0.0056961	397.79	7.55491	0.36	0.0219037	1.36	27.63864	0.93	4.45468	3.42	0.0000000	0.00	0.0288824	2.68
16D30485	3.0 %	0.0169879	3.11	0.0000000	0.00	0.0118180	0.32	0.0000000	0.00	44.3513	0.28	0.0031750	3.11	0.0000000	0.00	0.1173476	0.33	0.0031844	12.82	0.0000000	0.00	9.75377	0.29	0.0299637	1.35	35.87944	0.72	5.01992	3.11	0.0000000	0.00	0.0372887	2.68
16D30486	3.3 %	0.0104216	4.91	0.0000000	0.00	0.0102122	0.33	0.0000000	0.00	38.3486	0.30	0.0019478	4.91	0.0000000	0.00	0.0999846	0.37	0.0027534	12.82	0.0000000	0.00	8.31058	0.34	0.0259083	1.35	29.80938	0.86	3.07958	4.91	0.0000000	0.00	0.0317714	2.68
16D30487	3.6 %	0.0119139	4.55	0.0000000	0.00	0.0130287	0.31	0.0000000	0.00	48.9247	0.27	0.0022267	4.55	0.0000000	0.00	0.1224376	0.32	0.0035128	12.82	0.0000000	0.00	10.17684	0.28	0.0330536	1.35	36.07951	0.72	3.52057	4.55	0.0000000	0.00	0.0389061	2.67
16D30489	3.9 %	0.0206580	2.84	0.0000000	0.00	0.0243401	0.29	0.0000008	212.05	91.4011	0.25	0.0038610	2.84	0.0000000	0.00	0.2174602	0.23	0.0065626	12.82	0.0115554	212.05	18.07499	0.17	0.0617506	1.34	63.69071	0.42	6.10443	2.84	0.0000000	0.00	0.0691007	2.67
16D30490	4.3 %	✓ 0.0124295	4.37	0.0000000	0.00	0.0181841	0.30	0.0000000	0.00	68.2843	0.26	0.0023231	4.37	0.0000000	0.00	0.1603386	0.27	0.0049028	12.82	0.0000000	0.00	13.32712	0.22	0.0461329	1.35	46.37535	0.56	3.67292	4.37	0.0000000	0.00	0.0509496	2.67
16D30491	4.6 %	✓ 0.0122025	4.49	0.0000000	0.00	0.0188507	0.30	0.0000000	0.00	70.7874	0.26	0.0022807	4.49	0.0000000	0.00	0.1611019	0.27	0.0050825	12.82	0.0000000	0.00	13.39056	0.21	0.0478240	1.34	46.27202	0.57	3.60585	4.49	0.0000000	0.00	0.0511921	2.67
16D30492	4.9 %	✓ 0.0099474	5.25	0.0000000	0.00	0.0182624	0.30	0.0000015	114.74	68.5783	0.26	0.0018592	5.25	0.0000000	0.00	0.1494974	0.28	0.0049239	12.82	0.0217023	114.74	12.42602	0.23	0.0463315	1.35	42.65824	0.60	2.93946	5.25	0.0000000	0.00	0.0475047	2.67
16D30494	5.2 %	✓ 0.0113454	4.67	0.0000000	0.00	0.0150656	0.31	0.0000000	0.00	56.5737	0.27	0.0021205	4.67	0.0000000	0.00	0.1197510	0.33	0.0040620	12.82	0.0000000	0.00	9.95354	0.28	0.0382212	1.35	35.33639	0.73	3.35257	4.67	0.0000000	0.00	0.0380524	2.68
16D30495	5.5 %	✓ 0.0112423	4.86	0.0000000	0.00	0.0215202	0.30	0.0000000	0.00	80.8120	0.25	0.0021012	4.86	0.0000000	0.00	0.1633161	0.27	0.0058023	12.82	0.0000000	0.00	13.57461	0.22	0.0545966	1.34	47.16061	0.56	3.32210	4.86	0.0000000	0.00	0.0518957	2.67
16D30496	5.8 %	✓ 0.0062877	8.02	0.0000000	0.00	0.0129743	0.32	0.0000000	0.00	48.7207	0.28	0.0011752	8.02	0.0000000	0.00	0.0964091	0.38	0.0034981	12.82	0.0000000	0.00	8.01339	0.34	0.0329157	1.35	27.72231	0.92	1.85802	8.02	0.0000000	0.00	0.0306352	2.68
16D30498	6.1 %	✓ 0.0078436	6.68	0.0000000	0.00	0.0171719	0.30	0.0000000	0.00	64.4832	0.26	0.0014660	6.68	0.0000000	0.00	0.1243915	0.31	0.0046299	12.82	0.0000000	0.00	10.33925	0.26	0.0435648	1.35	36.00224	0.72	2.31780	6.68	0.0000000	0.00	0.0395270	2.67
16D30499	6.5 %	✓ 0.0082928	6.12	0.0000000	0.00	0.0147351	0.31	0.0000000	0.00	55.3328	0.27	0.0015499	6.12	0.0000000	0.00	0.1037460	0.36	0.0039729	12.82	0.0000000	0.00	8.62322	0.33	0.0373828	1.35	29.73577	0.86	2.45054	6.12	0.0000000	0.00	0.0329666	2.68
16D30500	7.0 %	✓ 0.0078312	6.49	0.0000000	0.00	0.0124522	0.31	0.0000000	0.00	46.7601	0.27	0.0014637	6.49	0.0000000	0.00	0.0848408	0.42	0.0033574	12.82	0.0000000	0.00	7.05185	0.39	0.0315912	1.35	24.43092	1.04	2.31413	6.49	0.0000000	0.00	0.0269592	2.69
16D30502	7.6 %	✓ 0.0069873	7.47	0.0000000	0.00	0.0131594	0.31	0.0000014	119.93	49.4158	0.27	0.0013059	7.47	0.0000000	0.00	0.0866226	0.41	0.0035481	12.82	0.0193651	119.93	7.19995	0.38	0.0333853	1.35	24.81807	1.04	2.06475	7.47	0.0000000	0.00	0.0275254	2.69
16D30503	8.4 %	✓ 0.0093365	5.45	0.0000000	0.00	0.0172216	0.30	0.0000011	163.49	64.6698	0.26	0.0017450	5.45	0.0000000	0.00	0.1071487	0.35	0.0046433	12.82	0.0150357	163.49	8.90605	0.31	0.0436910	1.35	30.86608	0.83	2.75895	5.45	0.0000000	0.00	0.0340478	2.68
16D30504	9.4 %	✓ 0.0104073	5.20	0.0000000	0.00	0.0209547	0.30	0.0000003	579.87	78.6884	0.25	0.0019451	5.20	0.0000000	0.00	0.1226216	0.32	0.0056498	12.82	0.0039811	579.88	10.19214	0.27	0.0531619	1.34	34.81343	0.75	3.07537	5.20	0.0000000	0.00	0.0389645	2.67
16D30506	10.5 %	0.0111064	4.87	0.0000000	0.00	0.0215505	0.30	0.0000009	178.39	80.9257	0.25	0.0020758	4.87	0.0000000	0.00	0.1182802	0.33	0.0058105	12.82	0.0133827	178.39	9.83129	0.29	0.0546734	1.34	32.90731	0.79	3.28193	4.87	0.0000000	0.00	0.0375850	2.68
16D30507	11.7 %	0.0120001	4.72	0.0000000	0.00	0.0226340	0.29	0.0000015	109.23	84.9943	0.25	0.0022428	4.72	0.0000000	0.00	0.1087191	0.35	0.0061026	12.82	0.0206028	109.23	9.03658	0.31	0.0574222	1.34	29.45038	0.90	3.54603	4.72	0.0000000	0.00	0.0345469	2.68
16D30508	13.1 %	0.0131904	4.38	0.0000000	0.00	0.0281150	0.29	0.0000012	137.65	105.5764	0.25	0.0024653	4.38	0.0000000	0.00	0.0956920	0.39	0.0075804	12.82	0.0173737	137.65	7.95378	0.36	0.0713274	1.34	25.24603	1.06	3.89776	4.38	0.0000000	0.00	0.0304073	2.68
16D30510	14.7 %	0.0149550	4.25	0.0000000	0.00	0.0426449	0.29	0.0000000	0.00	160.1386	0.24	0.0027951	4.25	0.0000000	0.00	0.0811827	0.45	0.0114980	12.82	0.0000000	0.00	6.74779	0.42	0.1081896	1.34	20.83735	1.34	4.41921	4.25	0.0000000	0.00	0.0257968	2.69
16D30511	16.5 %	0.0510812	1.64	0.0000000	0.00	0.0775855	0.29	0.0000029	57.49	291.3461	0.24	0.0095471	1.64	0.0000000	0.00	0.0828922	0.43	0.0209186	12.82	0.0410643	57.50	6.88988	0.40	0.1968334	1.34	20.11612	1.60	15.09450	1.64	0.0000000	0.00	0.0263400	2.69
16D30512	18.5 %	0.0313398	2.99	0.0000000	0.00	0.1249746	0.28	0.0000024	70.04	469.2999	0.24	0.0058574	2.99	0.0000000	0.00	0.0882284	0.41	0.0336957	12.82	0.0345119	70.04	7.33342	0.38	0.3170590	1.34	20.12483	1.72	9.26091	2.99	0.0000000	0.00	0.0280357	2.69
16D30514	19.8 %	0.0237735	3.56	0.0000000	0.00	0.1012250	0.28	0.0000024	70.45	380.1165	0.24	0.0044433	3.56	0.0000000	0.00	0.0645062	0.54	0.0272924	12.82	0.0345184	70.45	5.36167	0.52	0.2568067	1.34	15.16366	2.14	7.02506	3.56	0.0000000	0.00	0.0204977	2.71
	Σ	0.6447254	0.50	0.0000000	0.00	0.7227861	0.08	0.0000193	32.50	2714.1799	0.07	0.1204992	0.50	0.0000000	0.00	3.2222094	0.06	0.1948781	3.56	0.2745890	32.52	267.82557	0.06	1.8336999	0.37	951.33709	0.15	190.51635	0.50	0.0000000	0.00	1.0238971	0.52
	Σ	</																															

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D30477	1.8 %	10.705371	0.044716	2.609374	0.013497	0.017653	0.000121	43.184	2.374381	1.00030897	4.155E-12
16D30478	2.0 %	7.355335	0.049617	3.123925	0.019829	0.010158	0.000113	43.192	2.374739	1.00030902	2.016E-12
16D30480	2.2 %	6.214466	0.032259	3.636083	0.016841	0.007714	0.000079	43.206	2.375391	1.00030912	2.502E-12
16D30481	2.4 %	5.021830	0.039851	3.818099	0.021999	0.004841	0.000088	43.213	2.375717	1.00030917	1.500E-12
16D30482	2.6 %	4.689646	0.025960	4.220488	0.017653	0.004002	0.000059	43.219	2.376043	1.00030922	2.135E-12
16D30484	2.8 %	4.239539	0.031283	4.278979	0.020525	0.003129	0.000069	43.233	2.376694	1.00030932	1.542E-12
16D30485	3.0 %	4.184153	0.024339	4.533166	0.018325	0.002944	0.000055	43.240	2.377020	1.00030937	1.965E-12
16D30486	3.3 %	3.948991	0.028088	4.600083	0.020726	0.002475	0.000062	43.247	2.377347	1.00030941	1.580E-12
16D30487	3.6 %	3.882407	0.022979	4.791893	0.018732	0.002443	0.000053	43.254	2.377673	1.00030946	1.903E-12
16D30489	3.9 %	3.852083	0.013076	5.039555	0.015213	0.002481	0.000032	43.268	2.378325	1.00030956	3.353E-12
16D30490	4.3 %	✓ 3.746226	0.017465	5.106036	0.017384	0.002289	0.000041	43.275	2.378651	1.00030961	2.405E-12
16D30491	4.6 %	✓ 3.715405	0.017248	5.267555	0.017551	0.002311	0.000041	43.282	2.378978	1.00030966	2.397E-12
16D30492	4.9 %	✓ 3.659711	0.018506	5.498424	0.019003	0.002262	0.000042	43.289	2.379304	1.00030971	2.191E-12
16D30494	5.2 %	✓ 3.875896	0.023384	5.662037	0.022023	0.002643	0.000053	43.303	2.379957	1.00030981	1.859E-12
16D30495	5.5 %	✓ 3.707817	0.017183	5.929323	0.019896	0.002404	0.000040	43.310	2.380283	1.00030986	2.426E-12
16D30496	5.8 %	✓ 3.680071	0.028515	6.055044	0.026527	0.002394	0.000063	43.317	2.380610	1.00030990	1.421E-12
16D30498	6.1 %	✓ 3.694525	0.022053	6.210566	0.022809	0.002409	0.000051	43.331	2.381263	1.00031000	1.841E-12
16D30499	6.5 %	✓ 3.720209	0.026693	6.389018	0.026893	0.002659	0.000059	43.338	2.381590	1.00031005	1.547E-12
16D30500	7.0 %	✓ 3.779522	0.032536	6.601334	0.031184	0.002864	0.000072	43.345	2.381949	1.00031011	1.285E-12
16D30502	7.6 %	✓ 3.720325	0.031771	6.831678	0.031832	0.002785	0.000073	43.359	2.382602	1.00031020	1.292E-12
16D30503	8.4 %	✓ 3.760900	0.025799	7.225892	0.029301	0.002968	0.000057	43.366	2.382929	1.00031025	1.616E-12
16D30504	9.4 %	✓ 3.701967	0.022490	7.680441	0.028580	0.003061	0.000053	43.373	2.383256	1.00031030	1.821E-12
16D30506	10.5 %	3.664472	0.023345	8.185922	0.031323	0.003303	0.000055	43.387	2.383910	1.00031040	1.739E-12
16D30507	11.7 %	3.632169	0.025324	9.346193	0.037458	0.003809	0.000063	43.394	2.384237	1.00031045	1.585E-12
16D30508	13.1 %	3.635363	0.028761	13.155757	0.057271	0.005147	0.000074	43.401	2.384564	1.00031050	1.400E-12
16D30510	14.7 %	3.687636	0.033718	23.357505	0.112496	0.008401	0.000097	43.415	2.385218	1.00031060	1.214E-12
16D30511	16.5 %	4.972254	0.034762	41.111583	0.186349	0.018156	0.000133	43.422	2.385546	1.00031064	1.691E-12
16D30512	18.5 %	3.844699	0.030320	61.342562	0.266937	0.020432	0.000135	43.428	2.385873	1.00031069	1.412E-12
16D30514	19.8 %	3.952892	0.041447	67.654754	0.368446	0.022248	0.000178	43.442	2.386527	1.00031079	1.066E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D30477	1.8 %	0.0043557 ± 0.0004073	0.0819072 ± 0.0182375	0.0212780 ± 0.0164919	0.0356796 ± 0.0215472	1.5675063 ± 0.2052694
16D30478	2.0 %	0.0045022 ± 0.0004073	0.0742120 ± 0.0182375	0.0239055 ± 0.0164919	0.0391344 ± 0.0215472	1.6508952 ± 0.2052694
16D30480	2.2 %	0.0046411 ± 0.0004073	0.0629835 ± 0.0182375	0.0265250 ± 0.0164919	0.0413714 ± 0.0215472	1.7178260 ± 0.2052694
16D30481	2.4 %	0.0046588 ± 0.0004073	0.0585326 ± 0.0182375	0.0269927 ± 0.0164919	0.0409123 ± 0.0215472	1.7177625 ± 0.2052694
16D30482	2.6 %	0.0046482 ± 0.0004073	0.0547516 ± 0.0182375	0.0270212 ± 0.0164919	0.0396297 ± 0.0215472	1.6998484 ± 0.2052694
16D30484	2.8 %	0.0045587 ± 0.0004073	0.0489073 ± 0.0182375	0.0260925 ± 0.0164919	0.0352143 ± 0.0215472	1.6227672 ± 0.2052694
16D30485	3.0 %	0.0044876 ± 0.0004073	0.0467086 ± 0.0182375	0.0252876 ± 0.0164919	0.0323643 ± 0.0215472	1.5692463 ± 0.2052694
16D30486	3.3 %	0.0044037 ± 0.0004073	0.0449091 ± 0.0182375	0.0243479 ± 0.0164919	0.0292565 ± 0.0215472	1.5091674 ± 0.2052694
16D30487	3.6 %	0.0043102 ± 0.0004073	0.0434517 ± 0.0182375	0.0233355 ± 0.0164919	0.0260054 ± 0.0215472	1.4448505 ± 0.2052694
16D30489	3.9 %	0.0041067 ± 0.0004073	0.0413554 ± 0.0182375	0.0213136 ± 0.0164919	0.0194759 ± 0.0215472	1.3117768 ± 0.2052694
16D30490	4.3 %	0.0040018 ± 0.0004073	0.0406235 ± 0.0182375	0.0204005 ± 0.0164919	0.0163719 ± 0.0215472	1.2466540 ± 0.2052694
16D30491	4.6 %	0.0038982 ± 0.0004073	0.0400473 ± 0.0182375	0.0196076 ± 0.0164919	0.0134732 ± 0.0215472	1.1845612 ± 0.2052694
16D30492	4.9 %	0.0037976 ± 0.0004073	0.0395907 ± 0.0182375	0.0189692 ± 0.0164919	0.0108398 ± 0.0215472	1.1268121 ± 0.2052694
16D30494	5.2 %	0.0036130 ± 0.0004073	0.0389137 ± 0.0182375	0.0182652 ± 0.0164919	0.0065551 ± 0.0215472	1.0285949 ± 0.2052694
16D30495	5.5 %	0.0035318 ± 0.0004073	0.0386423 ± 0.0182375	0.0182401 ± 0.0164919	0.0049696 ± 0.0215472	0.9897484 ± 0.2052694
16D30496	5.8 %	0.0034595 ± 0.0004073	0.0383887 ± 0.0182375	0.0184508 ± 0.0164919	0.0037812 ± 0.0215472	0.9584891 ± 0.2052694
16D30498	6.1 %	0.0033444 ± 0.0004073	0.0378793 ± 0.0182375	0.0195993 ± 0.0164919	0.0026080 ± 0.0215472	0.9197615 ± 0.2052694
16D30499	6.5 %	0.0033025 ± 0.0004073	0.0376063 ± 0.0182375	0.0205331 ± 0.0164919	0.0026023 ± 0.0215472	0.9123050 ± 0.2052694
16D30500	7.0 %	0.0032688 ± 0.0004073	0.0372869 ± 0.0182375	0.0218227 ± 0.0164919	0.0030049 ± 0.0215472	0.9128758 ± 0.2052694
16D30502	7.6 %	0.0032394 ± 0.0004073	0.0366684 ± 0.0182375	0.0247970 ± 0.0164919	0.0046612 ± 0.0215472	0.9350980 ± 0.2052694
16D30503	8.4 %	0.0032390 ± 0.0004073	0.0363585 ± 0.0182375	0.0265381 ± 0.0164919	0.0058246 ± 0.0215472	0.9547906 ± 0.2052694
16D30504	9.4 %	0.0032470 ± 0.0004073	0.0360668 ± 0.0182375	0.0284060 ± 0.0164919	0.0071201 ± 0.0215472	0.9787766 ± 0.2052694
16D30506	10.5 %	0.0032830 ± 0.0004073	0.0356194 ± 0.0182375	0.0323612 ± 0.0164919	0.0097683 ± 0.0215472	1.0341388 ± 0.2052694
16D30507	11.7 %	0.0033079 ± 0.0004073	0.0355148 ± 0.0182375	0.0343540 ± 0.0164919	0.0109243 ± 0.0215472	1.0622668 ± 0.2052694
16D30508	13.1 %	0.0033350 ± 0.0004073	0.0355307 ± 0.0182375	0.0362847 ± 0.0164919	0.0118189 ± 0.0215472	1.0881920 ± 0.2052694
16D30510	14.7 %	0.0033867 ± 0.0004073	0.0360729 ± 0.0182375	0.0397096 ± 0.0164919	0.0123117 ± 0.0215472	1.1247237 ± 0.2052694
16D30511	16.5 %	0.0034062 ± 0.0004073	0.0366842 ± 0.0182375	0.0410646 ± 0.0164919	0.0116262 ± 0.0215472	1.1304722 ± 0.2052694
16D30512	18.5 %	0.0034177 ± 0.0004073	0.0375859 ± 0.0182375	0.0420794 ± 0.0164919	0.0101125 ± 0.0215472	1.1243019 ± 0.2052694
16D30514	19.8 %	0.0034037 ± 0.0004073	0.0404767 ± 0.0182375	0.0427485 ± 0.0164919	0.0039137 ± 0.0215472	1.0642750 ± 0.2052694

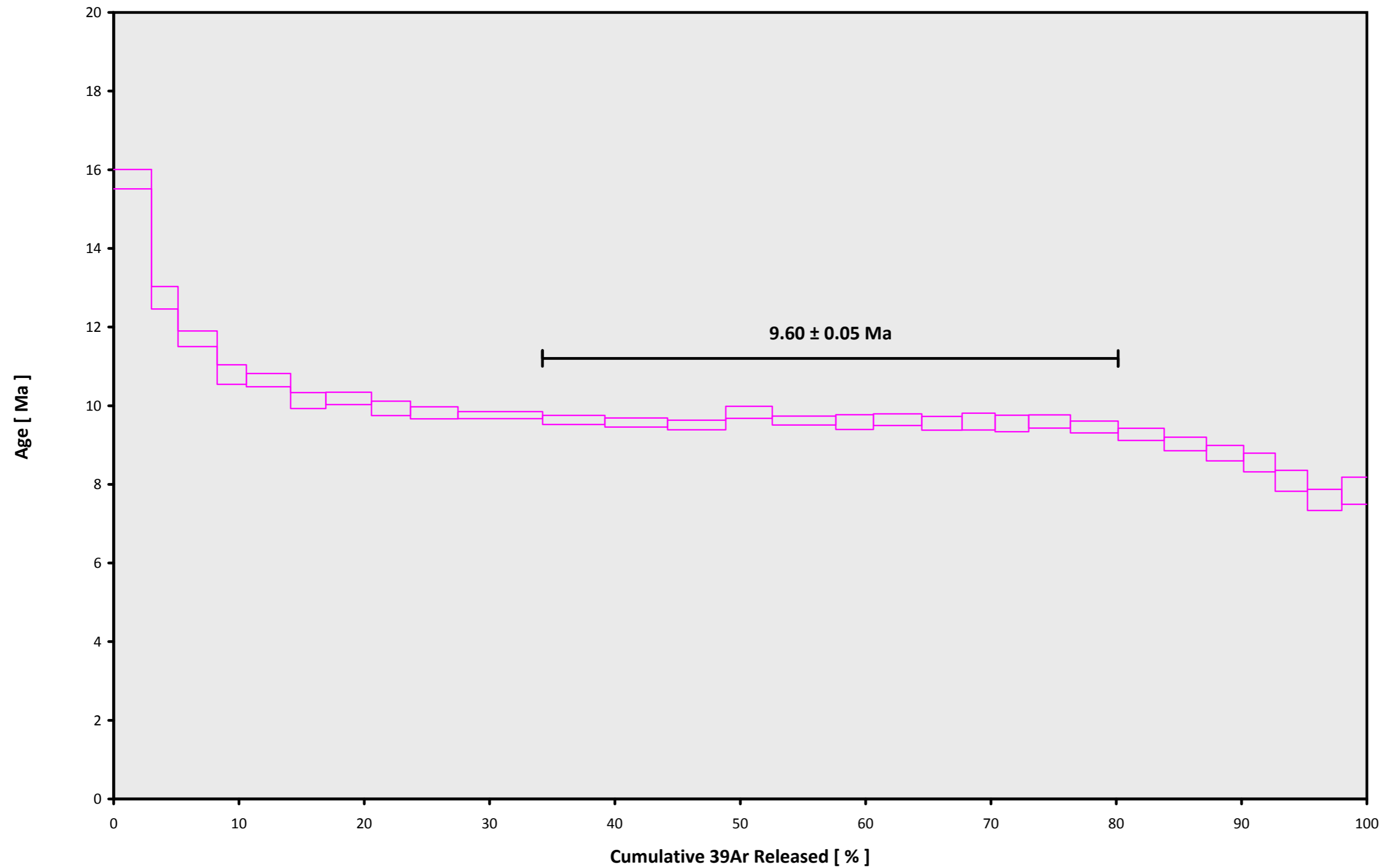
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D30477	1.8 %	0.1409876 ± 0.0005827	0.1244	EXP 150 of 150	8.79583 ± 0.01911	0.8847	EXP 150 of 150	0.1280393 ± 0.0178950	0.0184	EXP 150 of 150	8.0671314 ± 0.0162600	0.8794	EXP 150 of 150	88.134115 ± 0.021115	0.9980	EXP 150 of 150
16D30478	2.0 %	0.0600241 ± 0.0003579	0.4418	EXP 150 of 150	7.44052 ± 0.01949	0.8446	EXP 150 of 150	0.0361683 ± 0.0154410	0.0049	EXP 150 of 150	5.7110745 ± 0.0144171	0.7948	EXP 150 of 150	43.654709 ± 0.021500	0.9988	EXP 150 of 150
16D30480	2.2 %	0.0665755 ± 0.0004010	0.1859	EXP 150 of 150	12.65326 ± 0.01906	0.9385	EXP 150 of 150	0.0703103 ± 0.0179090	0.0000	EXP 150 of 150	8.3724808 ± 0.0168762	0.8953	EXP 150 of 150	53.844658 ± 0.022007	0.9983	EXP 150 of 150
16D30481	2.4 %	0.0334836 ± 0.0002904	0.6608	EXP 150 of 150	9.86220 ± 0.02087	0.8867	EXP 150 of 150	0.0614277 ± 0.0168845	0.0076	EXP 150 of 150	6.2196856 ± 0.0160795	0.8285	EXP 150 of 150	32.958335 ± 0.019690	0.9989	EXP 150 of 150
16D30482	2.6 %	0.0409889 ± 0.0003192	0.6151	EXP 150 of 150	16.57792 ± 0.01902	0.9632	EXP 150 of 150	0.0768912 ± 0.0171388	0.0004	EXP 150 of 150	9.4618032 ± 0.0174999	0.9123	EXP 150 of 150	46.188157 ± 0.020210	0.9985	EXP 150 of 150
16D30484	2.8 %	0.0272517 ± 0.0002694	0.7737	EXP 150 of 150	13.42510 ± 0.01945	0.9446	EXP 150 of 150	0.0743227 ± 0.0150975	0.0003	EXP 150 of 150	7.5606552 ± 0.0160749	0.8902	EXP 150 of 150	33.744971 ± 0.019909	0.9986	EXP 150 of 150
16D30485	3.0 %	0.0320519 ± 0.0002881	0.6988	EXP 149 of 150	18.34256 ± 0.01906	0.9699	EXP 150 of 150	0.0894063 ± 0.0172932	0.0037	EXP 150 of 150	9.7497615 ± 0.0170315	0.9224	EXP 149 of 150	42.505898 ± 0.019915	0.9983	EXP 150 of 150
16D30486	3.3 %	0.0241531 ± 0.0002634	0.7770	EXP 150 of 150	15.86233 ± 0.02090	0.9538	EXP 150 of 150	0.0764039 ± 0.0196366	0.0011	EXP 150 of 150	8.3092210 ± 0.0169284	0.8838	EXP 150 of 150	34.429897 ± 0.017797	0.9988	EXP 150 of 150
16D30487	3.6 %	0.0281837 ± 0.0003111	0.6819	EXP 150 of 150	20.22040 ± 0.01741	0.9800	EXP 149 of 150	0.0745372 ± 0.0162603	0.0007	EXP 149 of 150	10.1666723 ± 0.0173596	0.9229	EXP 150 of 150	41.083828 ± 0.021787	0.9978	EXP 150 of 150
16D30489	3.9 %	0.0471768 ± 0.0003617	0.5630	EXP 150 of 150	37.72555 ± 0.01938	0.9929	EXP 149 of 150	0.2150203 ± 0.0176597	0.0275	EXP 150 of 150	18.0332363 ± 0.0171614	0.9790	EXP 150 of 150	71.176013 ± 0.020276	0.9965	EXP 150 of 150
16D30490	4.3 %	0.0333033 ± 0.0003071	0.7092	EXP 149 of 150	28.19002 ± 0.02171	0.9835	EXP 150 of 150	0.1338530 ± 0.0169236	0.0035	EXP 150 of 150	13.2989409 ± 0.0171625	0.9603	EXP 150 of 150	51.345873 ± 0.021064	0.9974	EXP 150 of 150
16D30491	4.6 %	0.0336204 ± 0.0003146	0.6337	EXP 150 of 150	29.21734 ± 0.01925	0.9879	EXP 150 of 150	0.1185581 ± 0.0173641	0.0006	EXP 149 of 150	13.3607375 ± 0.0157556	0.9671	EXP 150 of 150	51.113622 ± 0.021264	0.9972	EXP 150 of 150
16D30492	4.9 %	0.0307998 ± 0.0002751	0.7035	EXP 150 of 150	28.30242 ± 0.02117	0.9847	EXP 150 of 150	0.1567052 ± 0.0182041	0.0393	EXP 150 of 150	12.3986152 ± 0.0159824	0.9561	EXP 150 of 150	46.772012 ± 0.019827	0.9977	EXP 150 of 150
16D30494	5.2 %	0.0288920 ± 0.0002907	0.6343	EXP 150 of 150	23.34796 ± 0.01912	0.9817	EXP 150 of 150	0.1045288 ± 0.0167737	0.0029	EXP 150 of 150	9.9305586 ± 0.0167593	0.9299	EXP 150 of 150	39.755610 ± 0.020108	0.9976	EXP 150 of 150
16D30495	5.5 %	0.0348901 ± 0.0003090	0.6508	EXP 150 of 150	33.32959 ± 0.02010	0.9900	EXP 150 of 150	0.1158959 ± 0.0154588	0.0027	EXP 150 of 150	13.5417547 ± 0.0180747	0.9569	EXP 150 of 150	51.524355 ± 0.022131	0.9963	EXP 150 of 150
16D30496	5.8 %	0.0218959 ± 0.0002510	0.7753	EXP 150 of 150	20.10641 ± 0.02044	0.9709	EXP 150 of 150	0.0506976 ± 0.0175298	0.0084	EXP 150 of 150	7.9955205 ± 0.0155427	0.9029	EXP 150 of 150	30.569451 ± 0.020138	0.9978	EXP 150 of 150
16D30498	6.1 %	0.0272877 ± 0.0002797	0.7209	EXP 150 of 150	26.59115 ± 0.01852	0.9859	EXP 150 of 150	0.0922140 ± 0.0177770	0.0035	EXP 150 of 150	10.3150142 ± 0.0141584	0.9539	EXP 150 of 150	39.279327 ± 0.020171	0.9973	EXP 150 of 150
16D30499	6.5 %	0.0253435 ± 0.0002542	0.7236	EXP 150 of 150	22.81975 ± 0.01957	0.9799	EXP 150 of 150	0.0665859 ± 0.0164137	0.0000	EXP 150 of 150	8.6044798 ± 0.0167321	0.9100	EXP 150 of 150	33.131578 ± 0.019471	0.9977	EXP 150 of 150
16D30500	7.0 %	0.0226829 ± 0.0002580	0.7092	EXP 149 of 150	19.28692 ± 0.01776	0.9764	EXP 150 of 150	0.0634913 ± 0.0172201	0.0039	EXP 150 of 150	7.0384085 ± 0.0155821	0.8698	EXP 150 of 150	27.684887 ± 0.020099	0.9977	EXP 150 of 150
16D30502	7.6 %	0.0225239 ± 0.0002813	0.6582	EXP 150 of 150	20.37397 ± 0.01823	0.9785	EXP 149 of 150	0.0846071 ± 0.0159097	0.0150	EXP 150 of 150	7.1889422 ± 0.0157836	0.8557	EXP 150 of 150	27.845448 ± 0.018154	0.9980	EXP 150 of 150
16D30503	8.4 %	0.0286598 ± 0.0002522	0.7124	EXP 150 of 150	26.64788 ± 0.02141	0.9820	EXP 150 of 150	0.1003670 ± 0.0177807	0.0029	EXP 150 of 150	8.8948719 ± 0.0158239	0.9193	EXP 150 of 150	34.613866 ± 0.019988	0.9973	EXP 150 of 150
16D30504	9.4 %	0.0332651 ± 0.0003029	0.6328	EXP 149 of 150	32.41177 ± 0.01926	0.9900	EXP 150 of 150	0.1040512 ± 0.0157002	0.0017	EXP 150 of 150	10.1829416 ± 0.0157965	0.9413	EXP 150 of 150	38.906542 ± 0.019189	0.9973	EXP 150 of 150
16D30506	10.5 %	0.0345410 ± 0.0003005	0.6399	EXP 150 of 150	33.32270 ± 0.01957	0.9905	EXP 150 of 150	0.1053781 ± 0.0168071	0.0011	EXP 150 of 150	9.8286875 ± 0.0167114	0.9238	EXP 150 of 150	37.260965 ± 0.019763	0.9969	EXP 150 of 150
16D30507	11.7 %	0.0364590 ± 0.0003399	0.5273	EXP 150 of 150	34.99134 ± 0.01981	0.9909	EXP 150 of 150	0.1015279 ± 0.0148508	0.0183	EXP 150 of 150	9.0432573 ± 0.0168841	0.9148	EXP 150 of 150	34.093231 ± 0.019165	0.9974	EXP 150 of 150
16D30508	13.1 %	0.0428712 ± 0.0003480	0.4304	EXP 150 of 150	43.45025 ± 0.02173	0.9928	EXP 150 of 150	0.0852299 ± 0.0168534	0.0091	EXP 150 of 150	7.9825070 ± 0.0177010	0.8853	EXP 150 of 150	30.262386 ± 0.017903	0.9979	EXP 150 of 150
16D30510	14.7 %	0.0585178 ± 0.0004076	0.2553	EXP 150 of 150	65.86956 ± 0.02160	0.9970	EXP 150 of 150	0.0475122 ± 0.0160721	0.0062	EXP 150 of 150	6.8217956 ± 0.0176446	0.8522	EXP 150 of 150	26.407084 ± 0.017711	0.9981	EXP 150 of 150
16D30511	16.5 %	0.1265608 ± 0.0005539	0.1040	EXP 150 of 150	119.79358 ± 0.02278	0.9990	EXP 150 of 150	0.1113548 ± 0.0162380	0.0191	EXP 150 of 150	7.0502807 ± 0.0154683	0.8855	EXP 150 of 150	36.367423 ± 0.018348	0.9978	EXP 150 of 150
16D30512	18.5 %	0.1530346 ± 0.0005867	0.2045	EXP 150 of 150	192.91538 ± 0.02415	0.9996	EXP 150 of 150	0.1181091 ± 0.0166944	0.0094	EXP 150 of 150	7.6087053 ± 0.0162696	0.8871	EXP 150 of 150	30.538082 ± 0.018481	0.9984	EXP 150 of 150
16D30514	19.8 %	0.1230470 ± 0.0005471	0.0825	EXP 150 of 150	156.22189 ± 0.02687	0.9992	EXP 150 of 150	0.0863159 ± 0.0170846	0.0240	EXP 150 of 150	5.5842836 ± 0.0161918	0.7518	EXP 150 of 150	23.273499 ± 0.018831	0.9983	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D30477	1.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30478	2.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30480	2.2 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30481	2.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30482	2.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30484	2.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30485	3.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30486	3.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30487	3.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30489	3.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30490	4.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30491	4.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30492	4.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30494	5.2 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30495	5.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30496	5.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30498	6.1 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30499	6.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30500	7.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30502	7.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30503	8.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30504	9.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30506	10.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30507	11.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30508	13.1 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30510	14.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30511	16.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30512	18.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01
16D30514	19.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	34.20	Canary Islands\Meco (16-12)	16D30473	01

Sample Parameters	Sample	Material	Location	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air 40Ar/36Ar	%1σ	MDF (lin)	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist	
16D30477	1.8 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	15	13	1
16D30478	2.0 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	15	24	1
16D30480	2.2 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	15	44	1
16D30481	2.4 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	15	54	1
16D30482	2.6 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	16	4	1
16D30484	2.8 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	16	24	1
16D30485	3.0 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	16	34	1
16D30486	3.3 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	16	44	1
16D30487	3.6 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	16	54	1
16D30489	3.9 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	17	14	1
16D30490	4.3 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	17	24	1
16D30491	4.6 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	17	34	1
16D30492	4.9 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	17	44	1
16D30494	5.2 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	18	4	1
16D30495	5.5 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	18	14	1
16D30496	5.8 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	18	24	1
16D30498	6.1 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	18	44	1
16D30499	6.5 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	18	54	1
16D30500	7.0 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	19	5	1
16D30502	7.6 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	19	25	1
16D30503	8.4 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	19	35	1
16D30504	9.4 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	19	45	1
16D30506	10.5 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	20	5	1
16D30507	11.7 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	20	15	1
16D30508	13.1 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	20	25	1
16D30510	14.7 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	20	45	1
16D30511	16.5 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	20	55	1
16D30512	18.5 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	21	5	1
16D30514	19.8 %	114941	Groundmass	Lanzarote Islands	FCT-NM (7A27-16)	28.201	0.082	Kuiper et al (2008)	10.23477	0.069	0.00153569	0.069	303.36	0.148	0.99351418	0.069	1	4.8E-14	25	AUG	2016	21	25	1

Irradiation Constants	40/36(a)		40/36(c)		38/36(a)		38/36(c)		39/37(ca)		38/37(ca)		36/37(ca)		40/39(k)		38/39(k)		36/38(cl)		K/Ca		K/Cl		Ca/Cl		
	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	%1σ	0	
16D30477	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
16D30478	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
16D30480	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
16D30481	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
16D30482	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
16D30484	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
16D30485	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
16D30486	3.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30487	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30489	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30490	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
16D30491	4.6 %	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
16D30492	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30494	5.2 %	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
16D30495	5.5 %	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
16D30496	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30498	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30499	6.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30500	7.0 %	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
16D30502	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
16D30503	8.4 %	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
16D30504	9.4 %	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
16D30506	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
16D30507	11.7 %	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
16D30508	13.1 %	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
16D30510	14.7 %	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
16D30511	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
16D30512	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
16D30514	19.8 %	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

16D30473.AGE >>> 114941 >>> CANARY ISLANDS | MECO (16-12) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.60 ± 0.05

TOTAL FUSION

9.84 ± 0.03

NORMAL ISOCHRON

9.23 ± 0.43

INVERSE ISOCHRON

9.16 ± 0.43

MSWD (PROBABILITY)

1.50 (12%)

Sample Info

Groundmass

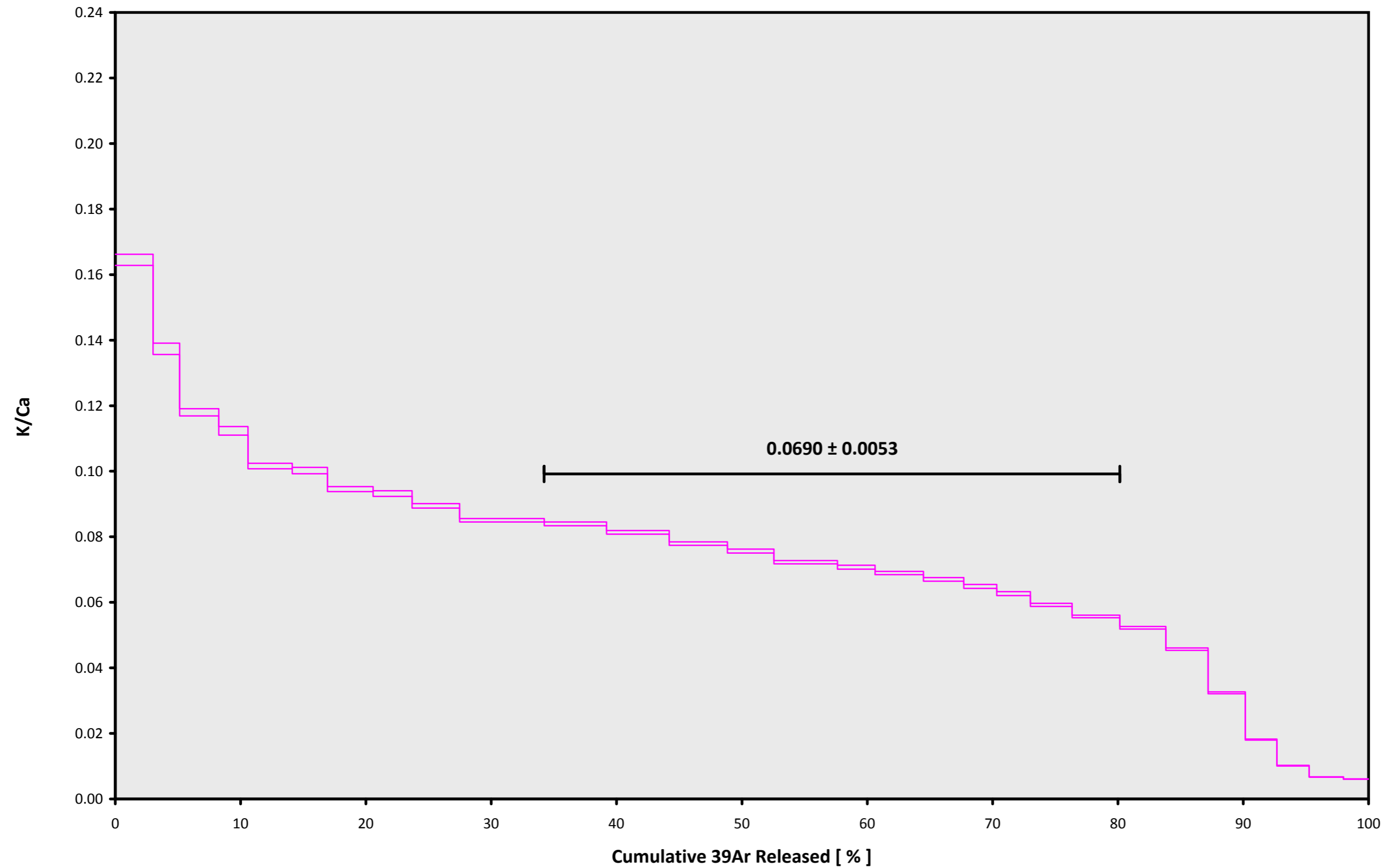
Lanzarote Islands

Anthony Koppers

IRR = 16-OSU-07 (7A27-16)

J = 0.00153569 ± 0.00000106

16D30473.AGE >>> 114941 >>> CANARY ISLANDS | MECO (16-12) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.60 ± 0.05

TOTAL FUSION

9.84 ± 0.03

NORMAL ISOCHRON

9.23 ± 0.43

INVERSE ISOCHRON

9.16 ± 0.43

Sample Info

Groundmass

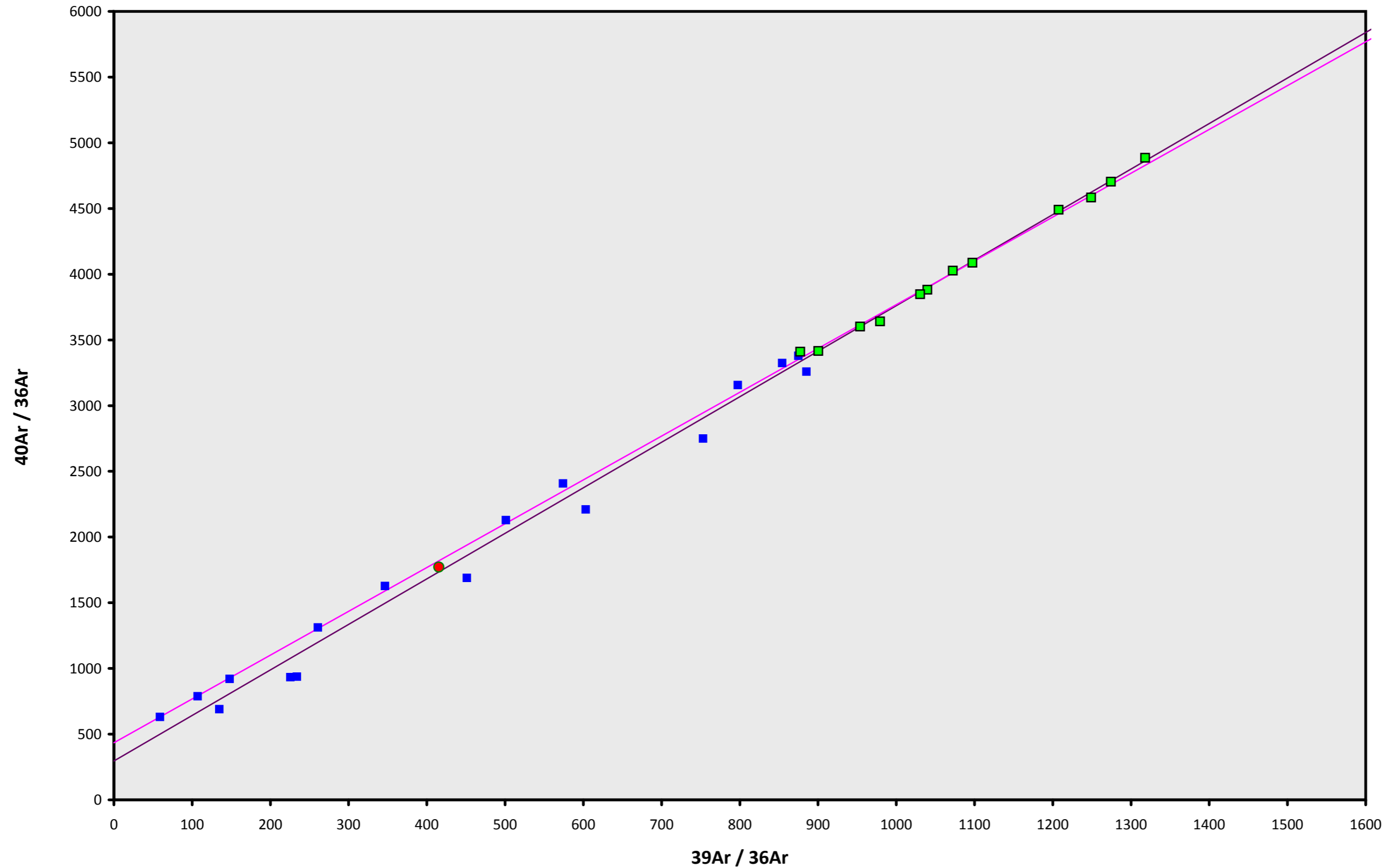
Lanzarote Islands

Anthony Koppers

IRR = 16-OSU-07 (7A27-16)

J = $0.00153569 \pm 0.00000106$

16D30473.AGE >>> 114941 >>> CANARY ISLANDS | MECO (16-12) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.60 ± 0.05

TOTAL FUSION

9.84 ± 0.03

NORMAL ISOCHRON

9.23 ± 0.43

INVERSE ISOCHRON

9.16 ± 0.43

MSWD (PROBABILITY)

1.14 (33%)

40AR/36AR INTERCEPT

435.2 ± 169.6

Sample Info

Groundmass

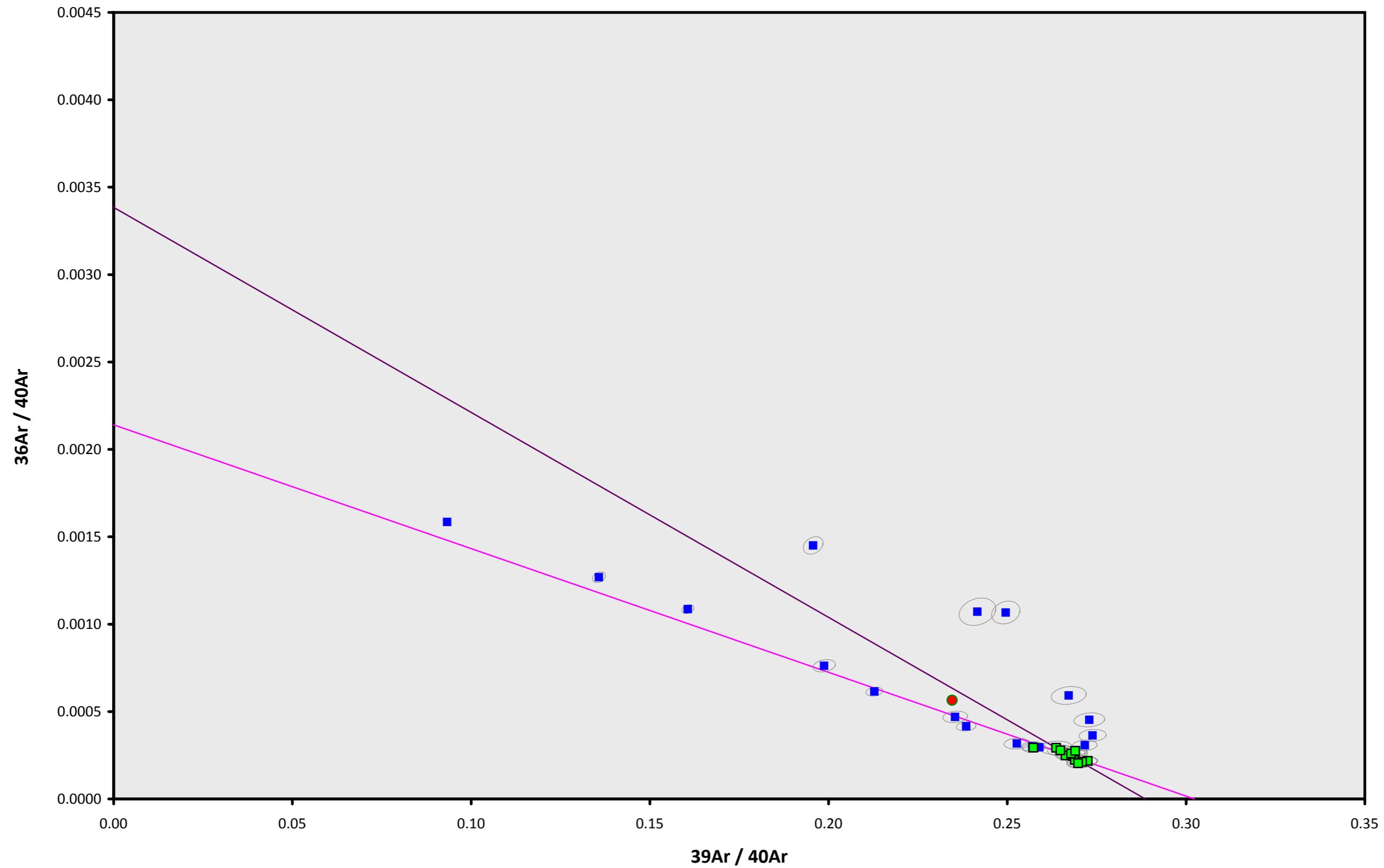
Lanzarote Islands

Anthony Koppers

IRR = 16-OSU-07 (7A27-16)

J = $0.00153569 \pm 0.00000106$

16D30473.AGE >>> 114941 >>> CANARY ISLANDS | MECO (16-12) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

9.60 ± 0.05

TOTAL FUSION

9.84 ± 0.03

NORMAL ISOCHRON

9.23 ± 0.43

INVERSE ISOCHRON

9.16 ± 0.43

MSWD (PROBABILITY)

1.12 (34%)

SPREADING FACTOR

5.0%

40AR/36AR INTERCEPT

467.2 ± 173.0

Sample Info

Groundmass

Lanzarote Islands

Anthony Koppers

IRR = 16-OSU-07 (7A27-16)

$J = 0.00153569 \pm 0.00000106$