

Relative Abundances		36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D06835	1.8 %	0.3735178	0.375	58.1148	0.509	2.228390	1.066	179.3761	0.070	205.8080	0.024	0.55382 ± 0.00473	1821.5 ± 15.5	48.26	5.03	1.327 ± 0.014
16D06837	1.9 %	0.1215960	0.595	28.5926	0.852	1.261551	1.922	103.7818	0.074	89.9103	0.051	0.53807 ± 0.00431	1769.7 ± 14.2	62.10	2.91	1.560 ± 0.027
16D06838	2.0 %	0.1352276	0.565	39.9711	0.626	1.877655	1.312	159.4537	0.071	121.8476	0.038	0.52955 ± 0.00300	1741.7 ± 9.9	69.29	4.47	1.715 ± 0.022
16D06839	2.1 %	0.0587908	0.884	21.1735	1.036	1.099665	2.154	90.9905	0.074	63.9457	0.070	0.52642 ± 0.00363	1731.4 ± 11.9	74.89	2.55	1.848 ± 0.038
16D06841	2.2 %	0.0838584	0.676	31.9188	0.734	1.674879	1.423	141.3335	0.071	97.2008	0.048	0.52644 ± 0.00259	1731.5 ± 8.5	76.53	3.96	1.904 ± 0.028
16D06842	2.4 %	0.0792119	0.684	32.4831	0.730	1.712308	1.448	145.1987	0.071	97.4078	0.048	0.52351 ± 0.00244	1721.9 ± 8.0	78.02	4.07	1.922 ± 0.028
16D06843	2.6 %	0.0959047	0.603	43.4164	0.599	2.396198	0.979	199.8078	0.070	130.0237	0.036	0.52226 ± 0.00194	1717.8 ± 6.4	80.24	5.60	1.979 ± 0.024
16D06845	2.8 %	0.0727072	0.722	40.8132	0.632	2.327598	1.061	193.1697	0.070	119.6115	0.039	0.52086 ± 0.00185	1713.1 ± 6.1	84.11	5.42	2.035 ± 0.026
16D06846	3.0 %	0.0644980	0.809	42.2815	0.620	2.398599	1.042	202.0926	0.070	121.5984	0.039	0.52010 ± 0.00178	1710.7 ± 5.8	86.43	5.67	2.055 ± 0.026
16D06847	3.2 %	0.0411378	1.061	34.1756	0.712	2.037330	1.152	166.5219	0.071	96.7538	0.049	0.52043 ± 0.00183	1711.7 ± 6.0	89.56	4.67	2.095 ± 0.030
16D06849	3.4 %	✓ 0.0408065	1.079	33.3347	0.719	1.926377	1.216	163.4043	0.071	94.7974	0.048	0.51865 ± 0.00187	1705.9 ± 6.1	89.39	4.58	2.108 ± 0.030
16D06850	3.6 %	✓ 0.0318754	1.303	30.2279	0.797	1.724843	1.436	144.6625	0.071	82.5312	0.054	0.51809 ± 0.00198	1704.0 ± 6.5	90.80	4.06	2.058 ± 0.033
16D06851	3.8 %	✓ 0.0420198	1.004	40.7827	0.618	2.225503	1.078	185.2783	0.070	106.0932	0.043	0.51917 ± 0.00164	1707.6 ± 5.4	90.65	5.19	1.953 ± 0.024
16D06853	4.0 %	✓ 0.0448348	0.980	47.0977	0.567	2.433814	0.980	199.4270	0.070	113.9138	0.041	0.51962 ± 0.00159	1709.1 ± 5.2	90.96	5.59	1.820 ± 0.021
16D06854	4.3 %	✓ 0.0201273	1.863	25.2237	0.880	1.331871	1.808	109.0475	0.072	60.9806	0.074	0.51914 ± 0.00235	1707.5 ± 7.7	92.82	3.06	1.859 ± 0.033
16D06855	4.6 %	✓ 0.0374521	1.161	38.8128	0.644	1.781952	1.360	148.0337	0.071	85.2677	0.054	0.51814 ± 0.00201	1704.2 ± 6.6	89.94	4.15	1.640 ± 0.021
16D06857	4.9 %	✓ 0.0519403	0.905	51.6965	0.533	2.105124	1.121	175.2326	0.070	103.0032	0.044	0.51972 ± 0.00185	1709.4 ± 6.1	88.40	4.91	1.457 ± 0.016
16D06858	5.2 %	✓ 0.0433554	1.029	42.7742	0.616	1.598655	1.459	132.2172	0.072	78.3303	0.058	0.51729 ± 0.00227	1701.4 ± 7.5	87.30	3.71	1.329 ± 0.016
16D06859	5.5 %	✓ 0.0354460	1.188	34.2309	0.746	1.175013	1.979	97.2354	0.074	58.3908	0.077	0.51679 ± 0.00287	1699.8 ± 9.4	86.04	2.73	1.221 ± 0.018
16D06861	5.8 %	✓ 0.0328591	1.145	29.5449	0.813	0.897867	2.696	75.1473	0.077	46.4774	0.097	0.51653 ± 0.00334	1698.9 ± 11.0	83.49	2.11	1.093 ± 0.018
16D06862	6.2 %	✓ 0.0416186	1.040	35.8801	0.687	0.871909	2.722	73.1872	0.077	47.8052	0.096	0.52008 ± 0.00384	1710.6 ± 12.6	79.60	2.05	0.877 ± 0.012
16D06863	6.6 %	✓ 0.0324301	1.131	27.6117	0.833	0.657355	3.551	54.3727	0.083	35.8256	0.124	0.51896 ± 0.00445	1706.9 ± 14.6	78.74	1.52	0.846 ± 0.014
16D06865	7.0 %	✓ 0.0381693	1.174	30.7773	0.751	0.629340	3.762	50.0101	0.084	34.9049	0.128	0.51726 ± 0.00571	1701.3 ± 18.8	74.08	1.40	0.698 ± 0.011
16D06866	7.6 %	✓ 0.0427995	1.013	35.4374	0.712	0.553080	4.447	45.2079	0.088	33.3592	0.136	0.51628 ± 0.00615	1698.1 ± 20.2	69.93	1.27	0.548 ± 0.008
16D06867	8.3 %	✓ 0.0602953	0.817	58.3165	0.506	0.639699	3.735	50.9586	0.084	39.7236	0.110	0.51653 ± 0.00611	1698.9 ± 20.1	66.21	1.43	0.375 ± 0.004
16D06869	9.0 %	✓ 0.0555795	0.835	75.1130	0.457	0.571833	4.178	46.1520	0.086	34.4161	0.134	0.51468 ± 0.00646	1692.8 ± 21.2	68.94	1.29	0.264 ± 0.002
16D06870	9.8 %	0.0668591	0.774	124.4863	0.404	0.635819	3.652	48.0719	0.086	34.3621	0.130	0.50471 ± 0.00693	1660.1 ± 22.8	70.48	1.35	0.166 ± 0.001
16D06871	11.0 %	0.0871052	0.715	201.5295	0.379	0.720235	3.323	54.3036	0.081	37.6773	0.118	0.50938 ± 0.00744	1675.4 ± 24.5	73.23	1.52	0.116 ± 0.001
16D06873	13.0 %	0.1373728	0.526	378.1655	0.368	0.798158	2.981	62.2374	0.079	42.7124	0.106	0.51049 ± 0.00806	1679.1 ± 26.5	74.08	1.74	0.070 ± 0.001
16D06874	15.5 %	0.1182840	0.597	355.4692	0.369	0.513231	4.632	39.4816	0.094	27.3529	0.165	0.51535 ± 0.01230	1695.0 ± 40.4	73.93	1.10	0.047 ± 0.000
16D06875	18.5 %	0.1153574	0.571	348.0902	0.368	0.337144	7.079	23.5708	0.118	18.8086	0.236	0.51528 ± 0.01952	1694.8 ± 64.2	63.93	0.65	0.029 ± 0.000
16D06877	21.5 %	0.0562573	0.818	158.1104	0.390	0.152226	15.805	9.5329	0.250	8.6357	0.509	0.46879 ± 0.03234	1542.0 ± 106.3	51.17	0.26	0.026 ± 0.000
Σ		2.3592952	0.136	2575.6537	0.111	43.295217	0.313	3568.4986	0.014	2369.4769	0.011					

**Information on Analysis and Constants Used in Calculations**

Project = MARQUESAS (14-INT-06)  
Sample = 93H02  
Material = Groundmass  
Location = Marquesas Islands  
Region = French Polynesia  
Analyst = Kevin Konrad  
Irradiation = 15-OSU-06 (6A2-15)  
Position = X: 0 | Y: 0 | Z/H: 4.14 mm  
FCT-NM Age = 28.201 ± 0.023 Ma  
FCT-NM Reference = Kuiper et al (2008)  
FCT-NM 40Ar/39Ar Ratio = 8.63725 ± 0.01002  
FCT-NM J-value = 0.00181972 ± 0.00000211  
Air Shot 40Ar/36Ar = 304.7360 ± 0.4571  
Air Shot MDF = 0.99241316 ± 0.00068083 (LIN)  
Experiment Type = Incremental Heating  
Extraction Method = In Situ Laser Heating  
Heating = 77 sec  
Isolation = 3.00 min  
Instrument = ARGUS-VI-D  
Preferred Age = Plateau Age  
Age Classification = Eruption Age  
IGSN = IEKK1-93H02  
Rock Class = Igneous>Volcanic>Mafic  
Lithology = Basalt  
Lat-Lon = 9°45.8'S - 138°52.6'W

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 (ka)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Age Plateau		0.51861 ± 0.00061 ± 0.12%	1705.7 ± 4.4 ± 0.26%	0.81 67%	49.04 16	0.441 ± 0.184
			Full External Error ± 38.8 Analytical Error ± 2.0	1.73 1.0000	2σ Confidence Limit Error Magnification	
Total Fusion Age		0.52186 ± 0.00059 ± 0.11%	1716.5 ± 4.4 ± 0.26%		32	0.595 ± 0.001
			Full External Error ± 39.0 Analytical Error ± 1.9			
Normal Isochron	291.28 ± 4.75 ± 1.63%	0.51954 ± 0.00123 ± 0.24%	1708.8 ± 5.7 ± 0.33%	0.66 81%	49.04 16	
			Full External Error ± 39.0 Analytical Error ± 4.0	1.76 1.0000	2σ Confidence Limit Error Magnification	
				1 0.0000007024	Number of Iterations Convergence	
Inverse Isochron	291.48 ± 4.75 ± 1.63%	0.51951 ± 0.00123 ± 0.24%	1708.7 ± 5.7 ± 0.33%	0.66 81%	49.04 16	
			Full External Error ± 39.0 Analytical Error ± 4.0	1.76 1.0000	2σ Confidence Limit Error Magnification	
Notes				3 0.0001380176	Number of Iterations Convergence	
			Plateau displays a common recoil pattern with stepped decreases in apparent age during the early temperature steps. Plateau begins at the end of the recoil pattern.	27%	Spreading Factor	

Incremental Heating		36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D06835	1.8 %	0.3580418	58.1148	0.0000000	179.3368	99.3211	1821.5 ± 15.5	48.26	5.03	1.327 ± 0.014
16D06837	1.9 %	0.1139818	28.5926	0.0000000	103.7625	55.8320	1769.7 ± 14.2	62.10	2.91	1.560 ± 0.027
16D06838	2.0 %	0.1245833	39.9711	0.0000000	159.4267	84.4237	1741.7 ± 9.9	69.29	4.47	1.715 ± 0.022
16D06839	2.1 %	0.0531523	21.1735	0.0000000	90.9762	47.8914	1731.4 ± 11.9	74.89	2.55	1.848 ± 0.038
16D06841	2.2 %	0.0753584	31.9188	0.0000000	141.3120	74.3922	1731.5 ± 8.5	76.53	3.96	1.904 ± 0.028
16D06842	2.4 %	0.0705616	32.4831	0.0000000	145.1768	76.0018	1721.9 ± 8.0	78.02	4.07	1.922 ± 0.028
16D06843	2.6 %	0.0843430	43.4164	0.0000000	199.7784	104.3366	1717.8 ± 6.4	80.24	5.60	1.979 ± 0.024
16D06845	2.8 %	0.0618386	40.8132	0.0000000	193.1421	100.5998	1713.1 ± 6.1	84.11	5.42	2.035 ± 0.026
16D06846	3.0 %	0.0532385	42.2815	0.0000000	202.0641	105.0939	1710.7 ± 5.8	86.43	5.67	2.055 ± 0.026
16D06847	3.2 %	0.0320324	34.1756	0.0257412	166.4989	86.6517	1711.7 ± 6.0	89.56	4.67	2.095 ± 0.030
16D06849	3.4 %	✓ 0.0319295	33.3347	0.0000000	163.3818	84.7376	1705.9 ± 6.1	89.39	4.58	2.108 ± 0.030
16D06850	3.6 %	✓ 0.0238257	30.2279	0.0000000	144.6420	74.9378	1704.0 ± 6.5	90.80	4.06	2.058 ± 0.033
16D06851	3.8 %	✓ 0.0311594	40.7827	0.0000000	185.2507	96.1774	1707.6 ± 5.4	90.65	5.19	1.953 ± 0.024
16D06853	4.0 %	✓ 0.0322883	47.0977	0.0254736	199.3952	103.6104	1709.1 ± 5.2	90.96	5.59	1.820 ± 0.021
16D06854	4.3 %	✓ 0.0134076	25.2237	0.0158083	109.0304	56.6018	1707.5 ± 7.7	92.82	3.06	1.859 ± 0.033
16D06855	4.6 %	✓ 0.0271163	38.8128	0.0000000	148.0075	76.6890	1704.2 ± 6.6	89.94	4.15	1.640 ± 0.021
16D06857	4.9 %	✓ 0.0381735	51.6965	0.0000000	175.1976	91.0531	1709.4 ± 6.1	88.40	4.91	1.457 ± 0.016
16D06858	5.2 %	✓ 0.0319646	42.7742	0.0000000	132.1883	68.3794	1701.4 ± 7.5	87.30	3.71	1.329 ± 0.016
16D06859	5.5 %	✓ 0.0263303	34.2309	0.0000000	97.2122	50.2386	1699.8 ± 9.4	86.04	2.73	1.221 ± 0.018
16D06861	5.8 %	✓ 0.0249913	29.5449	0.0000000	75.1273	38.8053	1698.9 ± 11.0	83.49	2.11	1.093 ± 0.018
16D06862	6.2 %	✓ 0.0320637	35.8801	0.0000000	73.1629	38.0507	1710.6 ± 12.6	79.60	2.05	0.877 ± 0.012
16D06863	6.6 %	✓ 0.0250771	27.6117	0.0000000	54.3540	28.2075	1706.9 ± 14.6	78.74	1.52	0.846 ± 0.014
16D06865	7.0 %	✓ 0.0299698	30.7773	0.0201069	49.9893	25.8577	1701.3 ± 18.8	74.08	1.40	0.698 ± 0.011
16D06866	7.6 %	✓ 0.0333625	35.4374	0.0006911	45.1840	23.3278	1698.1 ± 20.2	69.93	1.27	0.548 ± 0.008
16D06867	8.3 %	✓ 0.0447631	58.3165	0.0145368	50.9192	26.3014	1698.9 ± 20.1	66.21	1.43	0.375 ± 0.004
16D06869	9.0 %	✓ 0.0355760	75.1130	0.0051471	46.1012	23.7272	1692.8 ± 21.2	68.94	1.29	0.264 ± 0.002
16D06870	9.8 %	0.0337010	124.4863	0.0432411	47.9877	24.2200	1660.1 ± 22.8	70.48	1.35	0.166 ± 0.001
16D06871	11.0 %	0.0334297	201.5295	0.0478288	54.1674	27.5918	1675.4 ± 24.5	73.23	1.52	0.116 ± 0.001
16D06873	13.0 %	0.0366642	378.1655	0.0184485	61.9819	31.6412	1679.1 ± 26.5	74.08	1.74	0.070 ± 0.001
16D06874	15.5 %	0.0236207	355.4692	0.0111804	39.2414	20.2230	1695.0 ± 40.4	73.93	1.10	0.047 ± 0.000
16D06875	18.5 %	0.0226564	348.0902	0.0271651	23.3357	12.0244	1694.8 ± 64.2	63.93	0.65	0.029 ± 0.000
16D06877	21.5 %	0.0141483	158.1104	0.0248245	9.4261	4.4188	1542.0 ± 106.3	51.17	0.26	0.026 ± 0.000
Σ		1.6733508	2575.6537	0.2801934	3566.7585	1861.3660				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Project = MARQUESAS (14-INT-06) Sample = 93H02 Material = Groundmass Location = Marquesas Islands Region = French Polynesia Analyst = Kevin Konrad Irradiation = 15-OSU-06 (6A2-15) J = 0.00181972 ± 0.00000211 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	0.51861 ± 0.00061 ± 0.12%	1705.7 ± 4.4 ± 0.26% Full External Error ± 38.8 Analytical Error ± 2.0	0.81 67% 1.73 1.0000	49.04 16 2σ Confidence Limit Error Magnification	0.441 ± 0.184
	Total Fusion Age	0.52186 ± 0.00059 ± 0.11%	1716.5 ± 4.4 ± 0.26% Full External Error ± 39.0 Analytical Error ± 1.9		32	0.595 ± 0.001

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D06835	1.8 %	500.88 ± 3.99	572.90 ± 4.50	0.9822
16D06837	1.9 %	910.34 ± 11.68	785.33 ± 10.05	0.9901
16D06838	2.0 %	1279.68 ± 15.86	973.15 ± 12.01	0.9913
16D06839	2.1 %	1711.61 ± 33.77	1196.52 ± 23.60	0.9946
16D06841	2.2 %	1875.20 ± 28.50	1282.68 ± 19.45	0.9934
16D06842	2.4 %	2057.45 ± 31.96	1372.60 ± 21.27	0.9937
16D06843	2.6 %	2368.64 ± 32.91	1532.55 ± 21.22	0.9933
16D06845	2.8 %	3123.33 ± 53.68	1922.31 ± 32.97	0.9954
16D06846	3.0 %	3795.45 ± 75.28	2269.52 ± 44.94	0.9966
16D06847	3.2 %	5197.82 ± 143.49	3000.62 ± 82.78	0.9980
16D06849	3.4 %	✓ 5116.95 ± 142.91	2949.40 ± 82.32	0.9980
16D06850	3.6 %	✓ 6070.83 ± 214.38	3440.75 ± 121.47	0.9987
16D06851	3.8 %	✓ 5945.26 ± 163.42	3382.13 ± 92.90	0.9981
16D06853	4.0 %	✓ 6175.46 ± 170.57	3504.41 ± 96.72	0.9982
16D06854	4.3 %	✓ 8132.01 ± 460.72	4517.13 ± 255.93	0.9993
16D06855	4.6 %	✓ 5458.25 ± 177.37	3123.65 ± 101.47	0.9984
16D06857	4.9 %	✓ 4589.51 ± 114.73	2680.75 ± 66.96	0.9977
16D06858	5.2 %	✓ 4135.46 ± 117.11	2434.72 ± 68.92	0.9978
16D06859	5.5 %	✓ 3692.03 ± 119.77	2203.52 ± 71.50	0.9978
16D06861	5.8 %	✓ 3006.14 ± 91.95	1848.25 ± 56.58	0.9967
16D06862	6.2 %	✓ 2281.80 ± 62.42	1482.22 ± 40.59	0.9959
16D06863	6.6 %	✓ 2167.48 ± 64.40	1420.33 ± 42.29	0.9949
16D06865	7.0 %	✓ 1667.99 ± 50.43	1158.29 ± 35.09	0.9948
16D06866	7.6 %	✓ 1354.34 ± 35.71	994.72 ± 26.31	0.9924
16D06867	8.3 %	✓ 1137.53 ± 25.46	883.07 ± 19.81	0.9922
16D06869	9.0 %	✓ 1295.85 ± 34.61	962.44 ± 25.78	0.9928
16D06870	9.8 %	1423.92 ± 45.43	1014.17 ± 32.42	0.9952
16D06871	11.0 %	1620.34 ± 64.08	1120.87 ± 44.37	0.9973
16D06873	13.0 %	1690.53 ± 76.26	1158.50 ± 52.29	0.9982
16D06874	15.5 %	1661.32 ± 112.55	1151.66 ± 78.09	0.9984
16D06875	18.5 %	1029.98 ± 68.64	826.23 ± 55.16	0.9968
16D06877	21.5 %	666.24 ± 46.50	607.82 ± 42.76	0.9868

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	291.28 ± 4.75 ± 1.63%	0.51954 ± 0.00123 ± 0.24%	1708.8 ± 5.7 ± 0.33%	0.66 81%
			Full External Error ± 39.0 Analytical Error ± 4.0	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.76 1.0000 16	Convergence Number of Iterations Calculated Line	0.00000702435 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D06835	1.8 %	0.8742917 ± 0.0013081	0.00174550 ± 0.00001371	0.0219
16D06837	1.9 %	1.1591808 ± 0.0020944	0.00127335 ± 0.00001629	0.0475
16D06838	2.0 %	1.3149880 ± 0.0021427	0.00102759 ± 0.00001268	0.0326
16D06839	2.1 %	1.4304913 ± 0.0029444	0.00083576 ± 0.00001649	0.0508
16D06841	2.2 %	1.4619394 ± 0.0025442	0.00077962 ± 0.00001182	0.0384
16D06842	2.4 %	1.4989435 ± 0.0026141	0.00072855 ± 0.00001129	0.0372
16D06843	2.6 %	1.5455554 ± 0.0024851	0.00065251 ± 0.00000903	0.0276
16D06845	2.8 %	1.6247758 ± 0.0026633	0.00052021 ± 0.00000892	0.0255
16D06846	3.0 %	1.6723575 ± 0.0027459	0.00044062 ± 0.00000873	0.0223
16D06847	3.2 %	1.7322463 ± 0.0030403	0.00033326 ± 0.00000919	0.0225
16D06849	3.4 % ✓	1.7349152 ± 0.0030449	0.00033905 ± 0.00000946	0.0216
16D06850	3.6 % ✓	1.7643947 ± 0.0032166	0.00029063 ± 0.00001026	0.0203
16D06851	3.8 % ✓	1.7578469 ± 0.0029807	0.00029567 ± 0.00000812	0.0191
16D06853	4.0 % ✓	1.7621962 ± 0.0029421	0.00028535 ± 0.00000788	0.0177
16D06854	4.3 % ✓	1.8002596 ± 0.0037801	0.00022138 ± 0.00001254	0.0196
16D06855	4.6 % ✓	1.7473938 ± 0.0031840	0.00032014 ± 0.00001040	0.0219
16D06857	4.9 % ✓	1.7120281 ± 0.0029058	0.00037303 ± 0.00000932	0.0212
16D06858	5.2 % ✓	1.6985334 ± 0.0032004	0.00041072 ± 0.00001163	0.0281
16D06859	5.5 % ✓	1.6755197 ± 0.0036369	0.00045382 ± 0.00001472	0.0361
16D06861	5.8 % ✓	1.6264778 ± 0.0040712	0.00054105 ± 0.00001656	0.0512
16D06862	6.2 % ✓	1.5394442 ± 0.0038296	0.00067466 ± 0.00001847	0.0558
16D06863	6.6 % ✓	1.5260371 ± 0.0045957	0.00070406 ± 0.00002096	0.0707
16D06865	7.0 % ✓	1.4400414 ± 0.0044393	0.00086334 ± 0.00002616	0.0716
16D06866	7.6 % ✓	1.3615207 ± 0.0044485	0.00100530 ± 0.00002659	0.0875
16D06867	8.3 % ✓	1.2881506 ± 0.0036028	0.00113241 ± 0.00002540	0.0792
16D06869	9.0 % ✓	1.3464185 ± 0.0043179	0.00103902 ± 0.00002784	0.0848
16D06870	9.8 %	1.4040253 ± 0.0044113	0.00098602 ± 0.00003152	0.0684
16D06871	11.0 %	1.4456115 ± 0.0041769	0.00089217 ± 0.00003532	0.0499
16D06873	13.0 %	1.4592419 ± 0.0039215	0.00086319 ± 0.00003896	0.0385
16D06874	15.5 %	1.4425460 ± 0.0055261	0.00086831 ± 0.00005887	0.0427
16D06875	18.5 %	1.2466026 ± 0.0066301	0.00121032 ± 0.00008081	0.0635
16D06877	21.5 %	1.0961019 ± 0.0125127	0.00164522 ± 0.00011575	0.1304

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	291.48 ± 4.75 ± 1.63%	0.51951 ± 0.00123 ± 0.24%	1708.7 ± 5.7 ± 0.33%	0.66 81%
			Full External Error ± 39.0 Analytical Error ± 4.0	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.76 1.0000 16 26.6%	Convergence Number of Iterations Calculated Line	0.0001380176 3 Weighted York-2

Degassing Patterns		36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]
16D06835	1.8 %	0.3580418	0.39	0.0000000	0.00	0.0154760	0.53	0.0000000	0.00	58.1148	0.51	0.0669180	0.39	0.0000000	0.00	2.157601	0.17	0.0041726	12.83	0.0000000	0.00	179.3368	0.07	0.0392624	1.41	99.3211	0.42	105.80136	0.39	0.0000000	0.00	0.685605
16D06837	1.9 %	0.1139818	0.64	0.0000000	0.00	0.0076142	0.87	0.0000000	0.00	28.5926	0.85	0.0213032	0.64	0.0000000	0.00	1.248366	0.18	0.0020529	12.85	0.0000000	0.00	103.7625	0.07	0.0193171	1.57	55.8320	0.39	33.68163	0.64	0.0000000	0.00	0.396684
16D06838	2.0 %	0.1245833	0.62	0.0000000	0.00	0.0106443	0.64	0.0000000	0.00	39.9711	0.63	0.0232846	0.62	0.0000000	0.00	1.918062	0.17	0.0028699	12.84	0.0000000	0.00	159.4267	0.07	0.0270045	1.46	84.4237	0.27	36.81437	0.62	0.0000000	0.00	0.609488
16D06839	2.1 %	0.0531523	0.98	0.0000000	0.00	0.0056385	1.05	0.0000000	0.00	21.1735	1.04	0.0099342	0.98	0.0000000	0.00	1.094535	0.18	0.0015203	12.86	0.0000000	0.00	90.9762	0.07	0.0143048	1.68	47.8914	0.34	15.70651	0.98	0.0000000	0.00	0.347802
16D06841	2.2 %	0.0753584	0.76	0.0000000	0.00	0.0085000	0.75	0.0000000	0.00	31.9188	0.73	0.0140845	0.76	0.0000000	0.00	1.700124	0.18	0.0022918	12.84	0.0000000	0.00	141.3120	0.07	0.0215643	1.51	74.3922	0.24	22.26840	0.76	0.0000000	0.00	0.540236
16D06842	2.4 %	0.0705616	0.77	0.0000000	0.00	0.0086502	0.75	0.0000000	0.00	32.4831	0.73	0.0131880	0.77	0.0000000	0.00	1.746622	0.18	0.0023323	12.84	0.0000000	0.00	145.1768	0.07	0.0219456	1.51	76.0018	0.22	20.85096	0.77	0.0000000	0.00	0.555011
16D06843	2.6 %	0.0843430	0.69	0.0000000	0.00	0.0115618	0.62	0.0000000	0.00	43.4164	0.60	0.0157637	0.69	0.0000000	0.00	2.403534	0.17	0.0031173	12.83	0.0000000	0.00	199.7784	0.07	0.0293321	1.45	104.3366	0.17	24.92334	0.69	0.0000000	0.00	0.763753
16D06845	2.8 %	0.0618386	0.86	0.0000000	0.00	0.0108686	0.65	0.0000000	0.00	40.8132	0.63	0.0115576	0.86	0.0000000	0.00	2.323693	0.17	0.0029304	12.84	0.0000000	0.00	193.1421	0.07	0.0275734	1.46	100.5998	0.16	18.27331	0.86	0.0000000	0.00	0.738382
16D06846	3.0 %	0.0532385	0.99	0.0000000	0.00	0.0112596	0.64	0.0000000	0.00	42.2815	0.62	0.0099503	0.99	0.0000000	0.00	2.431033	0.17	0.0030358	12.83	0.0000000	0.00	202.0641	0.07	0.0285654	1.46	105.0939	0.16	15.73196	0.99	0.0000000	0.00	0.772491
16D06847	3.2 %	0.0320324	1.38	0.0000000	0.00	0.0091010	0.73	0.0000044	92.23	34.1756	0.71	0.0059869	1.38	0.0000000	0.00	2.003148	0.17	0.0024538	12.84	0.0257412	92.23	166.4989	0.07	0.0230890	1.50	86.6517	0.16	9.46558	1.38	0.0000000	0.00	0.636525
16D06849	3.4 %	✓ 0.0319295	1.39	0.0000000	0.00	0.0088770	0.73	0.0000000	0.00	33.3347	0.72	0.0059676	1.39	0.0000000	0.00	1.965646	0.18	0.0023934	12.84	0.0000000	0.00	163.3818	0.07	0.0225209	1.50	84.7376	0.17	9.43517	1.39	0.0000000	0.00	0.624609
16D06850	3.6 %	✓ 0.0238257	1.76	0.0000000	0.00	0.0080497	0.81	0.0000000	0.00	30.2279	0.80	0.0044530	1.76	0.0000000	0.00	1.740188	0.18	0.0021704	12.84	0.0000000	0.00	144.6420	0.07	0.0204220	1.54	74.9378	0.18	7.04050	1.76	0.0000000	0.00	0.552967
16D06851	3.8 %	✓ 0.0311594	1.37	0.0000000	0.00	0.0108604	0.64	0.0000000	0.00	40.7827	0.62	0.0058237	1.37	0.0000000	0.00	2.228752	0.17	0.0029282	12.83	0.0000000	0.00	185.2507	0.07	0.0275528	1.46	96.1774	0.14	9.20760	1.37	0.0000000	0.00	0.708214
16D06853	4.0 %	✓ 0.0322883	1.38	0.0000000	0.00	0.0125421	0.59	0.0000043	95.09	47.0977	0.57	0.0060347	1.38	0.0000000	0.00	2.398924	0.17	0.0033816	12.83	0.0254736	95.09	199.3952	0.07	0.0318192	1.44	103.6104	0.14	9.54120	1.38	0.0000000	0.00	0.762288
16D06854	4.3 %	✓ 0.0134076	2.83	0.0000000	0.00	0.0067171	0.89	0.0000027	153.07	25.2237	0.88	0.0025059	2.83	0.0000000	0.00	1.311745	0.18	0.0018111	12.85	0.0158083	153.07	109.0304	0.07	0.0170411	1.59	56.6018	0.21	3.96193	2.83	0.0000000	0.00	0.416823
16D06855	4.6 %	✓ 0.0271163	1.62	0.0000000	0.00	0.0103359	0.66	0.0000000	0.00	38.8128	0.64	0.0050680	1.62	0.0000000	0.00	1.780678	0.18	0.0027868	12.84	0.0000000	0.00	148.0075	0.07	0.0262219	1.47	76.6890	0.18	8.01286	1.62	0.0000000	0.00	0.565833
16D06857	4.9 %	✓ 0.0381735	1.25	0.0000000	0.00	0.0137668	0.55	0.0000000	0.00	51.6965	0.53	0.0071346	1.25	0.0000000	0.00	2.107803	0.17	0.0037118	12.83	0.0000000	0.00	175.1976	0.07	0.0349262	1.42	91.0531	0.16	11.28026	1.25	0.0000000	0.00	0.669781
16D06858	5.2 %	✓ 0.0319646	1.41	0.0000000	0.00	0.0113908	0.63	0.0000000	0.00	42.7742	0.62	0.0059742	1.41	0.0000000	0.00	1.590357	0.18	0.0030712	12.83	0.0000000	0.00	132.1883	0.07	0.0288982	1.46	68.3794	0.21	9.44555	1.41	0.0000000	0.00	0.505356
16D06859	5.5 %	✓ 0.0263303	1.62	0.0000000	0.00	0.0091157	0.76	0.0000000	0.00	34.2309	0.75	0.0049211	1.62	0.0000000	0.00	1.169560	0.18	0.0024578	12.84	0.0000000	0.00	97.2122	0.07	0.0231264	1.52	50.2386	0.27	7.78060	1.62	0.0000000	0.00	0.371642
16D06861	5.8 %	✓ 0.0249913	1.53	0.0000000	0.00	0.0078678	0.83	0.0000000	0.00	29.5449	0.81	0.0046709	1.53	0.0000000	0.00	0.903857	0.18	0.0021213	12.85	0.0000000	0.00	75.1273	0.08	0.0199605	1.55	38.8053	0.31	7.38493	1.53	0.0000000	0.00	0.287212
16D06862	6.2 %	✓ 0.0320637	1.37	0.0000000	0.00	0.0095549	0.70	0.0000000	0.00	35.8801	0.69	0.0059927	1.37	0.0000000	0.00	0.880223	0.18	0.0025762	12.84	0.0000000	0.00	73.1629	0.08	0.0242406	1.49	38.0507	0.36	9.47483	1.37	0.0000000	0.00	0.279702
16D06863	6.6 %	✓ 0.0250771	1.48	0.0000000	0.00	0.0073530	0.85	0.0000000	0.00	27.6117	0.83	0.0046869	1.48	0.0000000	0.00	0.653933	0.18	0.0019825	12.85	0.0000000	0.00	54.3540	0.08	0.0186545	1.56	28.2075	0.42	7.41029	1.48	0.0000000	0.00	0.207795
16D06865	7.0 %	✓ 0.0299698	1.51	0.0000000	0.00	0.0081960	0.77	0.0000034	117.90	30.7773	0.75	0.0056014	1.51	0.0000000	0.00	0.601421	0.18	0.0022098	12.84	0.0201069	117.90	49.9893	0.08	0.0207932	1.52	25.8577	0.55	8.85609	1.51	0.0000000	0.00	0.191109
16D06866	7.6 %	✓ 0.0333625	1.32	0.0000000	0.00	0.0094370	0.73	0.0000001	#####	35.4374	0.71	0.0062354	1.32	0.0000000	0.00	0.543609	0.18	0.0025444	12.84	0.0006911	#####	45.1840	0.09	0.0239415	1.50	23.3278	0.59	9.85861	1.32	0.0000000	0.00	0.172738
16D06867	8.3 %	✓ 0.0447631	1.12	0.0000000	0.00	0.0155297	0.53	0.0000025	164.59	58.3165	0.51	0.0083662	1.12	0.0000000	0.00	0.612608	0.18	0.0041871	12.83	0.0145368	164.59	50.9192	0.08	0.0393987	1.41	26.3014	0.59	13.22750	1.12	0.0000000	0.00	0.194664
16D06869	9.0 %	✓ 0.0355760	1.33	0.0000000	0.00	0.0200026	0.48	0.0000009	464.82	75.1130	0.46	0.0066492	1.33	0.0000000	0.00	0.554644	0.18	0.0053931	12.83	0.0051471	464.82	46.1012	0.09	0.0507464	1.40	23.7272	0.62	10.51272	1.33	0.0000000	0.00	0.176245
16D06870	9.8 %	0.0337010	1.59	0.0000000	0.00	0.0331507	0.43	0.0000074	53.83	124.4863	0.40	0.0062987	1.59	0.0000000	0.00	0.577341	0.18	0.0089381	12.83	0.0432411	53.84	47.9877	0.09	0.0841029	1.38	24.2200	0.68	9.95866	1.59	0.0000000	0.00	0.183457
16D06871	11.0 %	0.0334297	1.98	0.0000000	0.00	0.0536673	0.41	0.0000082	50.26	201.5295	0.38	0.0062480	1.98	0.0000000	0.00	0.651688	0.18	0.0144698	12.83	0.0478288	50.27	54.1674	0.08	0.1361533	1.37	27.5918	0.73	9.87848	1.98	0.0000000	0.00	0.207082
16D06873	13.0 %	0.0366642	2.25	0.0000000	0.00	0.1007055	0.40	0.0000031	130.57	378.1655	0.37	0.0068525	2.25	0.0000000	0.00	0.745705	0.18	0.0271523	12.83	0.0184485	130.57	61.9819	0.08	0.2554886	1.37	31.6412	0.79	10.83428	2.25	0.0000000	0.00	0.236957
16D06874	15.5 %	0.0236207	3.39	0.0000000	0.00	0.0946615	0.40	0.0000019	214.77	355.4692	0.37	0.0044147	3.39	0.0000000	0.00	0.472113	0.19	0.0255227	12.83	0.0111804	214.77	39.2414	0.09	0.2401550	1.37	20.2230	1.19	6.97990	3.39	0.0000000	0.00	0.150020
16D06875	18.5 %	0.0226564	3.33	0.0000000	0.00	0.0926964	0.40	0.0000046	88.68	348.0902	0.37	0.0042345	3.33	0.0000000	0.00	0.280751	0.20	0.0249929	12.83	0.0271651	88.68	23.3357	0.12	0.2351697	1.37	12.0244	1.89	6.69497	3.33	0.0000000	0.00	0.089212
16D06877	21.5 %	0.0141483	3.48	0.0000000	0.00	0.0421048	0																									



Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D06835	1.8 %	1.147355	0.000852	0.323983	0.001664	0.002082	0.000008	104.810	7.946008	1.00074069	9.879E-12
16D06837	1.9 %	0.866340	0.000775	0.275507	0.002357	0.001172	0.000007	104.825	7.948406	1.00074080	4.316E-12
16D06838	2.0 %	0.764157	0.000613	0.250675	0.001578	0.000848	0.000005	104.833	7.949714	1.00074086	5.849E-12
16D06839	2.1 %	0.702773	0.000714	0.232700	0.002418	0.000646	0.000006	104.842	7.951023	1.00074092	3.069E-12
16D06841	2.2 %	0.687741	0.000589	0.225840	0.001665	0.000593	0.000004	104.856	7.953313	1.00074102	4.666E-12
16D06842	2.4 %	0.670858	0.000575	0.223715	0.001641	0.000546	0.000004	104.863	7.954405	1.00074107	4.676E-12
16D06843	2.6 %	0.650744	0.000512	0.217291	0.001311	0.000480	0.000003	104.871	7.955605	1.00074113	6.241E-12
16D06845	2.8 %	0.619204	0.000496	0.211282	0.001343	0.000376	0.000003	104.885	7.957788	1.00074122	5.741E-12
16D06846	3.0 %	0.601696	0.000482	0.209219	0.001306	0.000319	0.000003	104.892	7.958879	1.00074127	5.837E-12
16D06847	3.2 %	0.581028	0.000498	0.205232	0.001469	0.000247	0.000003	104.899	7.959971	1.00074132	4.644E-12
16D06849	3.4 %	✓ 0.580140	0.000498	0.204001	0.001475	0.000250	0.000003	104.912	7.962155	1.00074142	4.550E-12
16D06850	3.6 %	✓ 0.570509	0.000509	0.208955	0.001671	0.000220	0.000003	104.919	7.963247	1.00074147	3.961E-12
16D06851	3.8 %	✓ 0.572616	0.000474	0.220116	0.001369	0.000227	0.000002	104.926	7.964340	1.00074152	5.092E-12
16D06853	4.0 %	✓ 0.571206	0.000465	0.236165	0.001349	0.000225	0.000002	104.940	7.966525	1.00074162	5.468E-12
16D06854	4.3 %	✓ 0.559211	0.000576	0.231309	0.002043	0.000185	0.000003	104.947	7.967618	1.00074166	2.927E-12
16D06855	4.6 %	✓ 0.576002	0.000513	0.262189	0.001700	0.000253	0.000003	104.954	7.968710	1.00074171	4.093E-12
16D06857	4.9 %	✓ 0.587808	0.000487	0.295016	0.001585	0.000296	0.000003	104.968	7.970897	1.00074181	4.944E-12
16D06858	5.2 %	✓ 0.592437	0.000547	0.323515	0.002007	0.000328	0.000003	104.975	7.971990	1.00074186	3.760E-12
16D06859	5.5 %	✓ 0.600510	0.000641	0.352041	0.002639	0.000365	0.000004	104.982	7.973084	1.00074191	2.803E-12
16D06861	5.8 %	✓ 0.618484	0.000764	0.393160	0.003212	0.000437	0.000005	104.995	7.975162	1.00074200	2.231E-12
16D06862	6.2 %	✓ 0.653192	0.000803	0.490252	0.003391	0.000569	0.000006	105.002	7.976256	1.00074205	2.295E-12
16D06863	6.6 %	✓ 0.658889	0.000983	0.507823	0.004250	0.000596	0.000007	105.009	7.977350	1.00074210	1.720E-12
16D06865	7.0 %	✓ 0.697957	0.001067	0.615422	0.004649	0.000763	0.000009	105.023	7.979539	1.00074220	1.675E-12
16D06866	7.6 %	✓ 0.737905	0.001197	0.783875	0.005622	0.000947	0.000010	105.030	7.980634	1.00074225	1.601E-12
16D06867	8.3 %	✓ 0.779527	0.001082	1.144391	0.005874	0.001183	0.000010	105.037	7.981728	1.00074230	1.907E-12
16D06869	9.0 %	✓ 0.745713	0.001187	1.627515	0.007563	0.001204	0.000010	105.051	7.983918	1.00074240	1.652E-12
16D06870	9.8 %	0.714808	0.001113	2.589588	0.010692	0.001391	0.000011	105.058	7.985013	1.00074244	1.649E-12
16D06871	11.0 %	0.693828	0.000992	3.711164	0.014394	0.001604	0.000012	105.065	7.986109	1.00074249	1.809E-12
16D06873	13.0 %	0.686282	0.000911	6.076175	0.022855	0.002207	0.000012	105.078	7.988300	1.00074259	2.050E-12
16D06874	15.5 %	0.692802	0.001314	9.003423	0.034237	0.002996	0.000018	105.086	7.989505	1.00074265	1.313E-12
16D06875	18.5 %	0.797962	0.002104	14.767831	0.057100	0.004894	0.000029	105.093	7.990601	1.00074269	9.028E-13
16D06877	21.5 %	0.905881	0.005139	16.585749	0.076793	0.005901	0.000050	105.107	7.992794	1.00074279	4.145E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D06835	1.8 %	0.0039456 ± 0.0002012	0.0056758 ± 0.0184642	0.0191025 ± 0.0163351	0.0018893 ± 0.0159824	1.0667262 ± 0.0405036
16D06837	1.9 %	0.0038466 ± 0.0002012	0.0214841 ± 0.0184642	0.0309577 ± 0.0163351	0.0253418 ± 0.0159824	1.0382149 ± 0.0405036
16D06838	2.0 %	0.0037947 ± 0.0002012	0.0277090 ± 0.0184642	0.0347370 ± 0.0163351	0.0303345 ± 0.0159824	1.0290969 ± 0.0405036
16D06839	2.1 %	0.0037455 ± 0.0002012	0.0324503 ± 0.0184642	0.0369996 ± 0.0163351	0.0310915 ± 0.0159824	1.0234618 ± 0.0405036
16D06841	2.2 %	0.0036676 ± 0.0002012	0.0376426 ± 0.0184642	0.0381190 ± 0.0163351	0.0249037 ± 0.0159824	1.0197639 ± 0.0405036
16D06842	2.4 %	0.0036350 ± 0.0002012	0.0389155 ± 0.0184642	0.0376977 ± 0.0163351	0.0196339 ± 0.0159824	1.0199089 ± 0.0405036
16D06843	2.6 %	0.0036030 ± 0.0002012	0.0395527 ± 0.0184642	0.0367317 ± 0.0163351	0.0127835 ± 0.0159824	1.0209376 ± 0.0405036
16D06845	2.8 %	0.0035558 ± 0.0002012	0.0389863 ± 0.0184642	0.0341088 ± 0.0163351	0.0009574 ± 0.0159824	1.0239052 ± 0.0405036
16D06846	3.0 %	0.0035378 ± 0.0002012	0.0380166 ± 0.0184642	0.0325860 ± 0.0163351	0.0077963 ± 0.0159824	1.0254042 ± 0.0405036
16D06847	3.2 %	0.0035237 ± 0.0002012	0.0366803 ± 0.0184642	0.0310407 ± 0.0163351	0.0142493 ± 0.0159824	1.0266316 ± 0.0405036
16D06849	3.4 %	0.0035073 ± 0.0002012	0.0331624 ± 0.0184642	0.0281793 ± 0.0163351	0.0251162 ± 0.0159824	1.0276152 ± 0.0405036
16D06850	3.6 %	0.0035048 ± 0.0002012	0.0311004 ± 0.0184642	0.0269872 ± 0.0163351	0.0291778 ± 0.0159824	1.0271223 ± 0.0405036
16D06851	3.8 %	0.0035059 ± 0.0002012	0.0289109 ± 0.0184642	0.0260202 ± 0.0163351	0.0321491 ± 0.0159824	1.0258592 ± 0.0405036
16D06853	4.0 %	0.0035187 ± 0.0002012	0.0243544 ± 0.0184642	0.0249019 ± 0.0163351	0.0345067 ± 0.0159824	1.0208712 ± 0.0405036
16D06854	4.3 %	0.0035298 ± 0.0002012	0.0220821 ± 0.0184642	0.0247960 ± 0.0163351	0.0338244 ± 0.0159824	1.0171492 ± 0.0405036
16D06855	4.6 %	0.0035437 ± 0.0002012	0.0198718 ± 0.0184642	0.0250063 ± 0.0163351	0.0319148 ± 0.0159824	1.0126632 ± 0.0405036
16D06857	4.9 %	0.0035782 ± 0.0002012	0.0157926 ± 0.0184642	0.0263585 ± 0.0163351	0.0246670 ± 0.0159824	1.0017521 ± 0.0405036
16D06858	5.2 %	0.0035981 ± 0.0002012	0.0139936 ± 0.0184642	0.0274675 ± 0.0163351	0.0195439 ± 0.0159824	0.9955823 ± 0.0405036
16D06859	5.5 %	0.0036190 ± 0.0002012	0.0123964 ± 0.0184642	0.0288268 ± 0.0163351	0.0136239 ± 0.0159824	0.9891591 ± 0.0405036
16D06861	5.8 %	0.0036597 ± 0.0002012	0.0100130 ± 0.0184642	0.0319445 ± 0.0163351	0.0009120 ± 0.0159824	0.9770220 ± 0.0405036
16D06862	6.2 %	0.0036805 ± 0.0002012	0.0091441 ± 0.0184642	0.0337630 ± 0.0163351	0.0060822 ± 0.0159824	0.9711447 ± 0.0405036
16D06863	6.6 %	0.0037000 ± 0.0002012	0.0085657 ± 0.0184642	0.0356167 ± 0.0163351	0.0129074 ± 0.0159824	0.9659977 ± 0.0405036
16D06865	7.0 %	0.0037323 ± 0.0002012	0.0083379 ± 0.0184642	0.0391032 ± 0.0163351	0.0246771 ± 0.0159824	0.9592440 ± 0.0405036
16D06866	7.6 %	0.0037434 ± 0.0002012	0.0087095 ± 0.0184642	0.0405483 ± 0.0163351	0.0288460 ± 0.0159824	0.9583909 ± 0.0405036
16D06867	8.3 %	0.0037500 ± 0.0002012	0.0094134 ± 0.0184642	0.0416531 ± 0.0163351	0.0312950 ± 0.0159824	0.9597752 ± 0.0405036
16D06869	9.0 %	0.0037462 ± 0.0002012	0.0118264 ± 0.0184642	0.0423586 ± 0.0163351	0.0290921 ± 0.0159824	0.9711103 ± 0.0405036
16D06870	9.8 %	0.0037338 ± 0.0002012	0.0135317 ± 0.0184642	0.0416932 ± 0.0163351	0.0233809 ± 0.0159824	0.9820669 ± 0.0405036
16D06871	11.0 %	0.0037130 ± 0.0002012	0.0155616 ± 0.0184642	0.0401553 ± 0.0163351	0.0138314 ± 0.0159824	0.9972727 ± 0.0405036
16D06873	13.0 %	0.0036417 ± 0.0002012	0.0205540 ± 0.0184642	0.0338219 ± 0.0163351	0.0192911 ± 0.0159824	1.0427903 ± 0.0405036
16D06874	15.5 %	0.0035830 ± 0.0002012	0.0237962 ± 0.0184642	0.0280852 ± 0.0163351	0.0470451 ± 0.0159824	1.0778780 ± 0.0405036
16D06875	18.5 %	0.0035158 ± 0.0002012	0.0270230 ± 0.0184642	0.0212170 ± 0.0163351	0.0791787 ± 0.0159824	1.1169284 ± 0.0405036
16D06877	21.5 %	0.0033366 ± 0.0002012	0.0341802 ± 0.0184642	0.0019375 ± 0.0163351	0.1663314 ± 0.0159824	1.2184094 ± 0.0405036

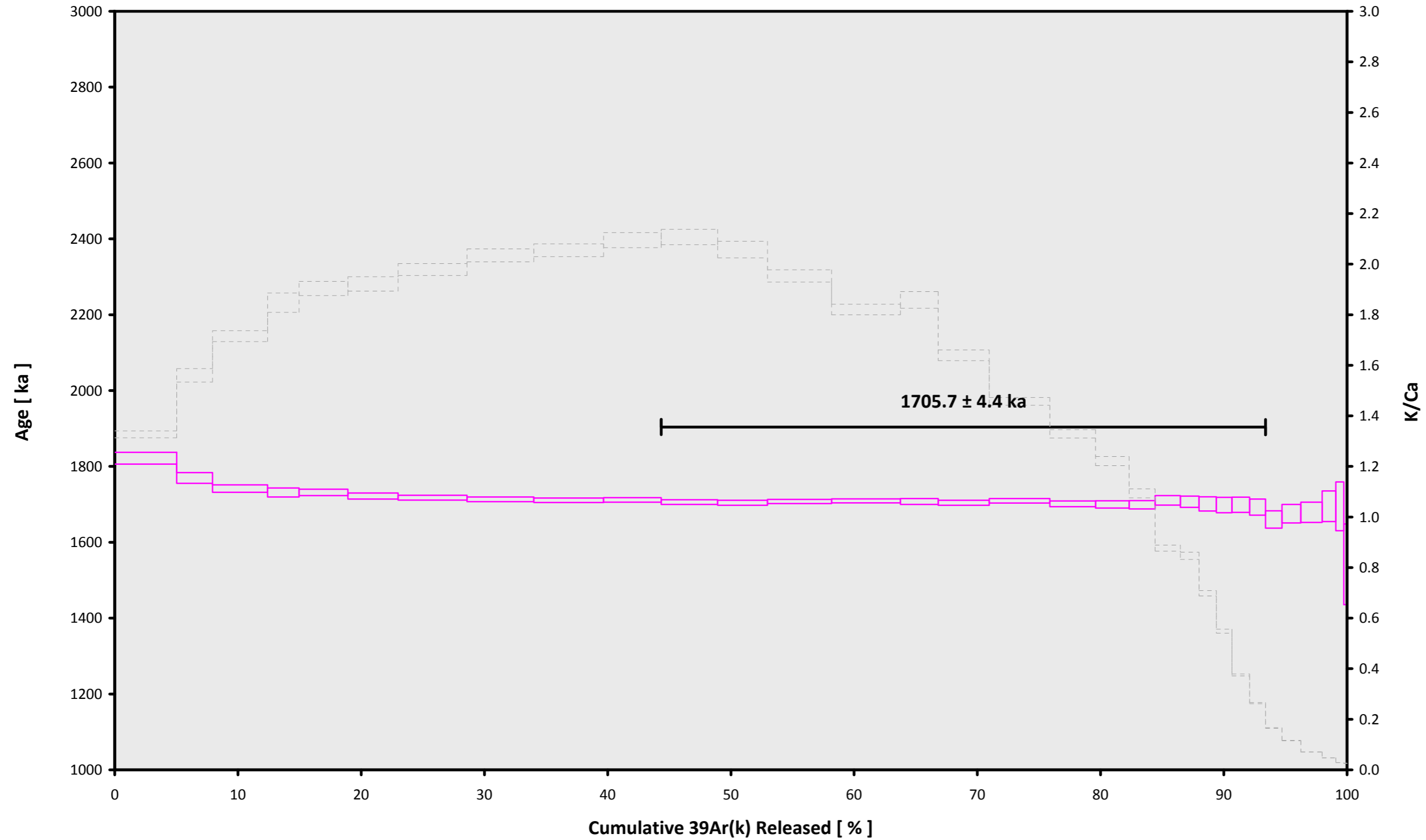
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D06835	1.8 %	0.3580350 ± 0.0008586	0.8345	EXP 149 of 150	7.141815 ± 0.017616	0.8620	EXP 149 of 150	2.2136851 ± 0.0164555	0.4359	EXP 150 of 150	177.8879585 ± 0.0239416	0.9996	EXP 150 of 150	206.8747725 ± 0.0271216	0.9972	EXP 150 of 150
16D06837	1.9 %	0.1191178 ± 0.0005706	0.2548	EXP 150 of 150	3.494032 ± 0.019856	0.4828	EXP 150 of 150	1.2733697 ± 0.0173292	0.1925	EXP 150 of 150	102.9450343 ± 0.0226426	0.9990	EXP 150 of 150	90.9485204 ± 0.0211693	0.0329	EXP 150 of 150
16D06838	2.0 %	0.1319885 ± 0.0005955	0.2306	EXP 149 of 150	4.886008 ± 0.016932	0.6433	EXP 149 of 150	1.8839063 ± 0.0177450	0.2253	EXP 150 of 150	158.1594365 ± 0.0227291	0.9996	EXP 150 of 150	122.8766999 ± 0.0224802	0.9629	EXP 150 of 150
16D06839	2.1 %	0.0594783 ± 0.0004215	0.1451	EXP 150 of 150	2.570013 ± 0.017248	0.4810	EXP 150 of 150	1.1199820 ± 0.0165897	0.1661	EXP 150 of 150	90.2657484 ± 0.0188433	0.9991	EXP 150 of 150	64.9691372 ± 0.0189098	0.9784	EXP 150 of 150
16D06841	2.2 %	0.0831641 ± 0.0004454	0.0511	EXP 148 of 150	3.884417 ± 0.016897	0.6612	EXP 149 of 150	1.6875881 ± 0.0166897	0.2938	EXP 150 of 150	140.1843570 ± 0.0206050	0.9995	EXP 150 of 150	98.2206095 ± 0.0228378	0.3529	EXP 150 of 150
16D06842	2.4 %	0.0787267 ± 0.0004231	0.0131	EXP 149 of 150	3.951932 ± 0.017274	0.6496	EXP 150 of 150	1.7240278 ± 0.0180043	0.1917	EXP 150 of 150	144.0121825 ± 0.0238656	0.9994	EXP 150 of 150	98.4276630 ± 0.0223892	0.0551	EXP 150 of 150
16D06843	2.6 %	0.0945193 ± 0.0004419	0.0132	EXP 150 of 150	5.293748 ± 0.017504	0.7904	EXP 150 of 150	2.3965771 ± 0.0159932	0.4601	EXP 150 of 150	198.1607089 ± 0.0259124	0.9996	EXP 150 of 150	131.0446530 ± 0.0227105	0.9705	EXP 150 of 150
16D06845	2.8 %	0.0724811 ± 0.0004120	0.2044	EXP 150 of 150	4.973167 ± 0.018197	0.7157	EXP 150 of 150	2.3263950 ± 0.0177436	0.3626	EXP 150 of 150	191.5640284 ± 0.0245244	0.9997	EXP 150 of 150	120.6353789 ± 0.0225450	0.9451	EXP 150 of 150
16D06846	3.0 %	0.0646810 ± 0.0004180	0.3363	EXP 150 of 150	5.153745 ± 0.018460	0.7162	EXP 150 of 150	2.3947954 ± 0.0181106	0.3403	EXP 150 of 150	200.4059790 ± 0.0264388	0.9996	EXP 150 of 150	122.6237678 ± 0.0241419	0.9241	EXP 150 of 150
16D06847	3.2 %	0.0425218 ± 0.0003447	0.5439	EXP 150 of 150	4.159176 ± 0.017911	0.6681	EXP 150 of 150	2.0374618 ± 0.0161246	0.4173	EXP 150 of 150	165.1243366 ± 0.0233635	0.9996	EXP 150 of 150	97.7804684 ± 0.0241543	0.3189	EXP 150 of 150
16D06849	3.4 %	0.0421913 ± 0.0003495	0.5090	EXP 150 of 150	4.058329 ± 0.017464	0.6249	EXP 150 of 150	1.9253309 ± 0.0160743	0.2422	EXP 150 of 150	162.0217064 ± 0.0267655	0.9994	EXP 150 of 150	95.8249952 ± 0.0206235	0.1709	EXP 150 of 150
16D06850	3.6 %	0.0337222 ± 0.0003276	0.5550	EXP 150 of 150	3.678552 ± 0.018738	0.5914	EXP 150 of 150	1.7256623 ± 0.0179519	0.2464	EXP 150 of 150	143.4315011 ± 0.0216212	0.9995	EXP 150 of 150	83.5583677 ± 0.0184165	0.9221	EXP 150 of 150
16D06851	3.8 %	0.0433401 ± 0.0003273	0.6306	EXP 150 of 150	4.975376 ± 0.016904	0.7851	EXP 150 of 150	2.2177602 ± 0.0168006	0.4082	EXP 150 of 150	183.7069211 ± 0.0260224	0.9996	EXP 150 of 150	107.1190934 ± 0.0217306	0.5750	EXP 150 of 150
16D06853	4.0 %	0.0460214 ± 0.0003445	0.5687	EXP 150 of 150	5.753232 ± 0.017113	0.8038	EXP 150 of 150	2.4217923 ± 0.0165511	0.4243	EXP 150 of 150	197.7357657 ± 0.0260246	0.9996	EXP 150 of 150	114.9347059 ± 0.0236662	0.8889	EXP 150 of 150
16D06854	4.3 %	0.0226102 ± 0.0002880	0.7080	EXP 150 of 150	3.071746 ± 0.016571	0.5187	EXP 150 of 150	1.3364608 ± 0.0171024	0.1903	EXP 149 of 150	108.1077321 ± 0.0186106	0.9994	EXP 150 of 150	61.9977103 ± 0.0192461	0.9828	EXP 150 of 150
16D06855	4.6 %	0.0390477 ± 0.0003457	0.5012	EXP 150 of 150	4.740086 ± 0.017359	0.7328	EXP 150 of 150	1.7799239 ± 0.0172417	0.3212	EXP 150 of 150	146.7719365 ± 0.0229458	0.9995	EXP 150 of 150	86.2803287 ± 0.0215064	0.8335	EXP 150 of 150
16D06857	4.9 %	0.0528168 ± 0.0003731	0.3886	EXP 150 of 150	6.322463 ± 0.016429	0.8309	EXP 150 of 150	2.0995456 ± 0.0162675	0.3753	EXP 150 of 150	173.7521006 ± 0.0235806	0.9996	EXP 150 of 150	104.0049288 ± 0.0197657	0.7129	EXP 150 of 150
16D06858	5.2 %	0.0446984 ± 0.0003538	0.3915	EXP 150 of 150	5.229623 ± 0.018468	0.7355	EXP 150 of 150	1.6018690 ± 0.0160073	0.2436	EXP 150 of 150	131.0992051 ± 0.0222772	0.9994	EXP 150 of 150	79.3258990 ± 0.0211759	0.9133	EXP 150 of 150
16D06859	5.5 %	0.0372212 ± 0.0003315	0.4552	EXP 150 of 150	4.183331 ± 0.020175	0.5389	EXP 150 of 150	1.1860132 ± 0.0159670	0.1348	EXP 149 of 150	96.4139182 ± 0.0207752	0.9990	EXP 150 of 150	59.3799582 ± 0.0199740	0.9814	EXP 150 of 150
16D06861	5.8 %	0.0348097 ± 0.0002812	0.5070	EXP 150 of 150	3.610406 ± 0.018800	0.5919	EXP 150 of 150	0.9161900 ± 0.0173159	0.0575	EXP 150 of 150	74.5220374 ± 0.0197856	0.9985	EXP 150 of 150	47.4544206 ± 0.0198349	0.9875	EXP 150 of 150
16D06862	6.2 %	0.0431344 ± 0.0003399	0.3134	EXP 150 of 150	4.386989 ± 0.017818	0.6968	EXP 150 of 150	0.8924442 ± 0.0166732	0.0538	EXP 148 of 150	72.5852036 ± 0.0204053	0.9983	EXP 150 of 150	48.7763912 ± 0.0212253	0.9849	EXP 150 of 150
16D06863	6.6 %	0.0344433 ± 0.0002701	0.4689	EXP 150 of 150	3.374036 ± 0.017379	0.5640	EXP 150 of 150	0.6829986 ± 0.0161540	0.0156	EXP 150 of 150	53.9338669 ± 0.0191124	0.9972	EXP 150 of 150	36.7915653 ± 0.0184138	0.9929	EXP 150 of 150
16D06865	7.0 %	0.0399162 ± 0.0003599	0.2867	EXP 150 of 150	3.761035 ± 0.016516	0.6571	EXP 150 of 150	0.6588950 ± 0.0166176	0.0750	EXP 149 of 150	49.6192930 ± 0.0178751	0.9971	EXP 150 of 150	35.8641588 ± 0.0186857	0.9920	EXP 150 of 150
16D06866	7.6 %	0.0443167 ± 0.0003397	0.1595	EXP 150 of 150	4.330793 ± 0.019106	0.6456	EXP 150 of 150	0.5852371 ± 0.0178710	0.0335	EXP 150 of 150	44.8611822 ± 0.0191062	0.9959	EXP 150 of 150	34.3175482 ± 0.0204993	0.9910	EXP 150 of 150
16D06867	8.3 %	0.0609090 ± 0.0003899	0.0324	EXP 150 of 150	7.130792 ± 0.017153	0.8530	EXP 149 of 150	0.6716468 ± 0.0169141	0.0437	EXP 150 of 150	50.5664795 ± 0.0190948	0.9969	EXP 150 of 150	40.6833326 ± 0.0165661	0.9926	EXP 150 of 150
16D06869	9.0 %	0.0564348 ± 0.0003625	0.1304	EXP 150 of 150	9.182395 ± 0.017522	0.9081	EXP 150 of 150	0.6055164 ± 0.0169180	0.0132	EXP 150 of 150	45.7976018 ± 0.0181041	0.9965	EXP 150 of 150	35.3872404 ± 0.0217620	0.9891	EXP 150 of 150
16D06870	9.8 %	0.0671152 ± 0.0004106	0.0141	EXP 149 of 150	15.222143 ± 0.019580	0.9534	EXP 150 of 150	0.6678657 ± 0.0159800	0.0847	EXP 149 of 150	47.6958282 ± 0.0193722	0.9964	EXP 150 of 150	35.3442166 ± 0.0185200	0.9925	EXP 150 of 150
16D06871	11.0 %	0.0862874 ± 0.0005048	0.0648	EXP 150 of 150	24.645922 ± 0.019782	0.9825	EXP 150 of 150	0.7494636 ± 0.0169647	0.0803	EXP 150 of 150	53.8662350 ± 0.0169163	0.9979	EXP 150 of 150	38.6746102 ± 0.0182401	0.9914	EXP 150 of 150
16D06873	13.0 %	0.1338692 ± 0.0005443	0.4067	EXP 150 of 150	46.243463 ± 0.019235	0.9952	EXP 150 of 150	0.8198710 ± 0.0167674	0.0098	EXP 150 of 150	61.7010310 ± 0.0190497	0.9980	EXP 150 of 150	43.7551878 ± 0.0205724	0.9877	EXP 150 of 150
16D06874	15.5 %	0.1157145 ± 0.0005550	0.2536	EXP 150 of 150	43.457045 ± 0.020093	0.9940	EXP 150 of 150	0.5335302 ± 0.0167540	0.0129	EXP 150 of 150	39.1064798 ± 0.0193681	0.9946	EXP 150 of 150	28.4307812 ± 0.0198466	0.9939	EXP 150 of 150
16D06875	18.5 %	0.1128730 ± 0.0005048	0.3166	EXP 150 of 150	42.545377 ± 0.018314	0.9948	EXP 150 of 150	0.3532461 ± 0.0168945	0.0071	EXP 150 of 150	23.2958174 ± 0.0157311	0.9895	EXP 150 of 150	19.9255549 ± 0.0181256	0.9961	EXP 150 of 150
16D06877	21.5 %	0.0566677 ± 0.0003567	0.0141	EXP 150 of 150	19.297857 ± 0.020303	0.9693	EXP 150 of 150	0.1518545 ± 0.0171630	0.0024	EXP 150 of 150	9.2873681 ± 0.0161140	0.9220	EXP 150 of 150	9.8540905 ± 0.0171666	0.9969	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D06835	1.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06837	1.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06838	2.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06839	2.1 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06841	2.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06842	2.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06843	2.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06845	2.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06846	3.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06847	3.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06849	3.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06850	3.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06851	3.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06853	4.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06854	4.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06855	4.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06857	4.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06858	5.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06859	5.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06861	5.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06862	6.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06863	6.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06865	7.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06866	7.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06867	8.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06869	9.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06870	9.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06871	11.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06873	13.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06874	15.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06875	18.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	01
16D06877	21.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	4.14	French Polynesia\Marquesas (14-INT-06)	16D06834	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
16D06835	1.8 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	10	30	1
16D06837	1.9 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	10	52	1
16D06838	2.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	11	4	1
16D06839	2.1 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	11	16	1
16D06841	2.2 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	11	37	1
16D06842	2.4 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	11	47	1
16D06843	2.6 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	11	58	1
16D06845	2.8 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	12	18	1
16D06846	3.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	12	28	1
16D06847	3.2 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	12	38	1
16D06849	3.4 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	12	58	1
16D06850	3.6 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	13	8	1
16D06851	3.8 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	13	18	1
16D06853	4.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	13	38	1
16D06854	4.3 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	13	48	1
16D06855	4.6 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	13	58	1
16D06857	4.9 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	14	18	1
16D06858	5.2 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	14	28	1
16D06859	5.5 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	14	38	1
16D06861	5.8 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	14	57	1
16D06862	6.2 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	15	7	1
16D06863	6.6 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	15	17	1
16D06865	7.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	15	37	1
16D06866	7.6 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	15	47	1
16D06867	8.3 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	15	57	1
16D06869	9.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	16	17	1
16D06870	9.8 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	16	27	1
16D06871	11.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	16	37	1
16D06873	13.0 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	16	57	1
16D06874	15.5 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	17	8	1
16D06875	18.5 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	17	18	1
16D06877	21.5 %	93H02	Groundmass	Marquesas Islands	FCT-NM (6A2-15)	28.201	0.082	Kuiper et al (2008)	8.63725	0.116	0.00181972	0.116	304.736	0.15	0.99241316	0.069	1	4.8E-14	17	FEB	2016	17	38	1

<b>Irradiation Constants</b>		<b>40/36(a)</b>	<b>%1σ</b>	<b>40/36(c)</b>	<b>%1σ</b>	<b>38/36(a)</b>	<b>%1σ</b>	<b>38/36(c)</b>	<b>%1σ</b>	<b>39/37(ca)</b>	<b>%1σ</b>	<b>38/37(ca)</b>	<b>%1σ</b>	<b>36/37(ca)</b>	<b>%1σ</b>	<b>40/39(k)</b>	<b>%1σ</b>	<b>38/39(k)</b>	<b>%1σ</b>	<b>36/38(cl)</b>	<b>%1σ</b>	<b>K/Ca</b>	<b>%1σ</b>	<b>K/Cl</b>	<b>%1σ</b>	<b>Ca/Cl</b>	<b>%1σ</b>
16D06835	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
16D06837	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
16D06838	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
16D06839	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
16D06841	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
16D06842	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
16D06843	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
16D06845	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
16D06846	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
16D06847	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
16D06849	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
16D06850	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
16D06851	3.8 %	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
16D06853	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
16D06854	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
16D06855	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
16D06857	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
16D06858	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
16D06859	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
16D06861	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
16D06862	6.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D06863	6.6 %	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
16D06865	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
16D06866	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
16D06867	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D06869	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
16D06870	9.8 %	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
16D06871	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
16D06873	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
16D06874	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
16D06875	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
16D06877	21.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D06834.AGE >>> 93H02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

$1705.7 \pm 4.4$

TOTAL FUSION

$1716.5 \pm 4.4$

NORMAL ISOCHRON

$1708.8 \pm 5.7$

INVERSE ISOCHRON

$1708.7 \pm 5.7$

MSWD (PROBABILITY)

0.81 (67%)

Sample Info

Groundmass

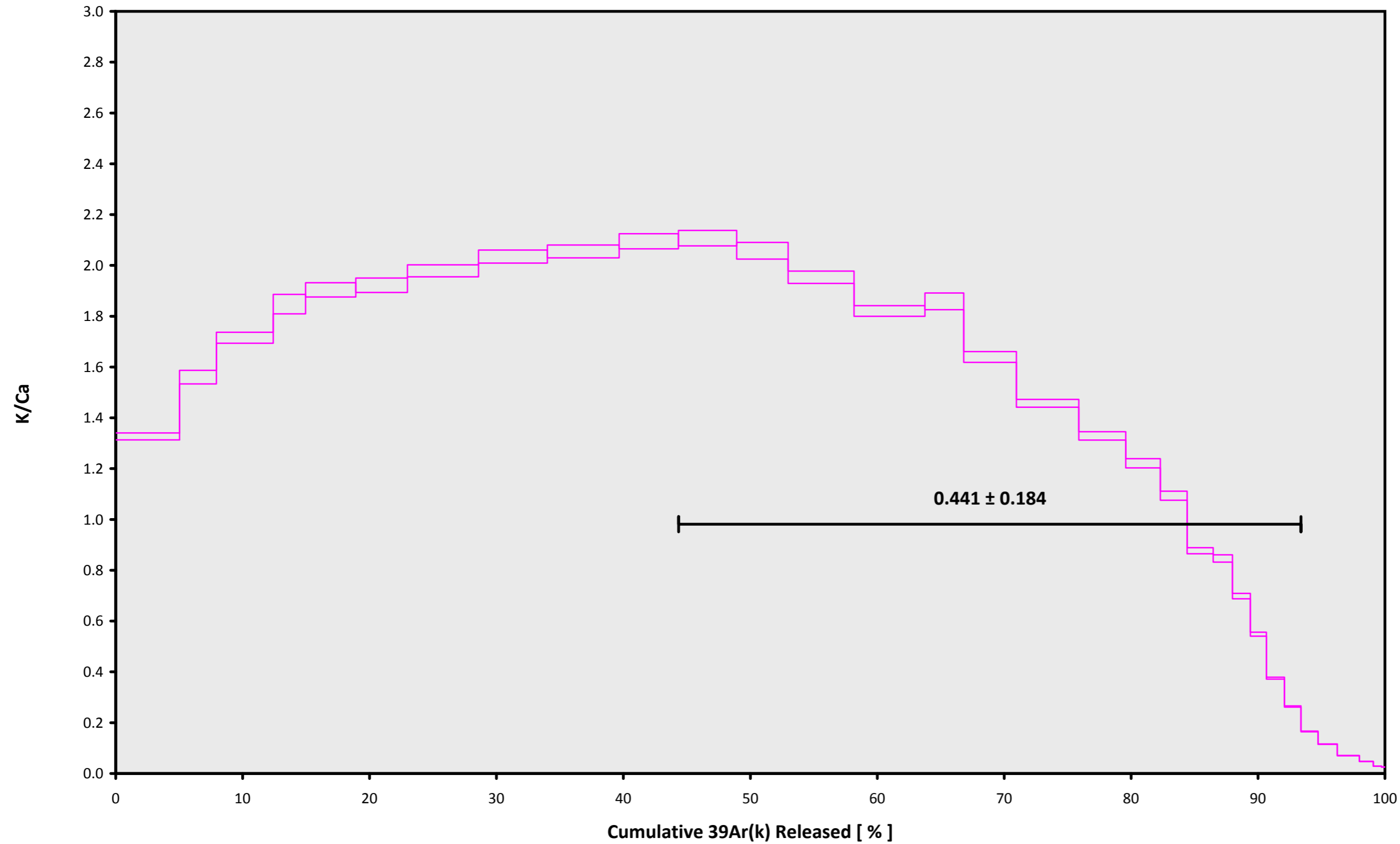
Marquesas Islands

Kevin Konrad

IRR = 15-OSU-06 (6A2-15)

J =  $0.00181972 \pm 0.00000211$

16D06834.AGE >>> 93H02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

$1705.7 \pm 4.4$

TOTAL FUSION

$1716.5 \pm 4.4$

NORMAL ISOCHRON

$1708.8 \pm 5.7$

INVERSE ISOCHRON

$1708.7 \pm 5.7$

Sample Info

Groundmass

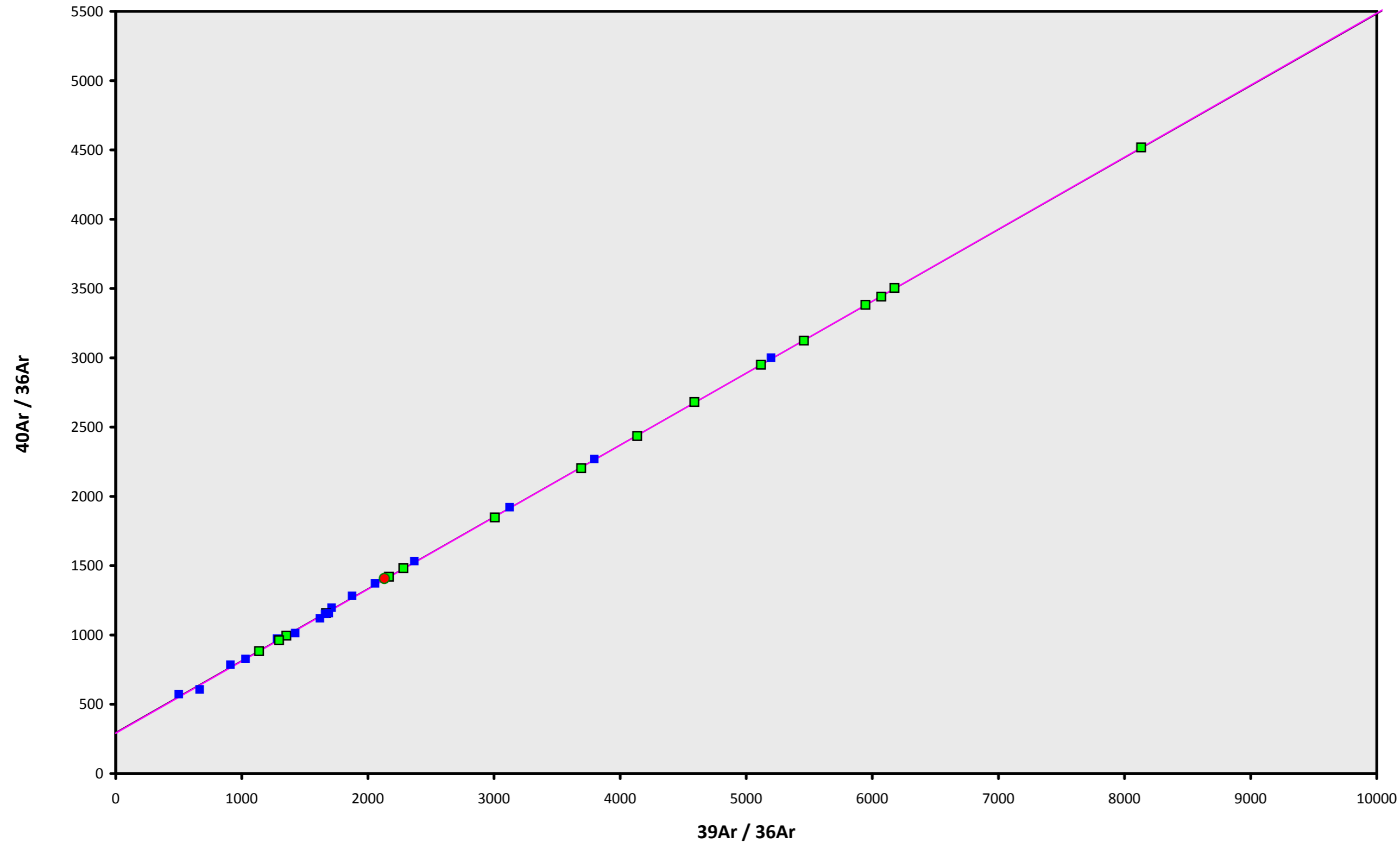
Marquesas Islands

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1705.7 ± 4.4

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1708.8 ± 5.7

INVERSE ISOCHRON

1708.7 ± 5.7

MSWD (PROBABILITY)

0.66 (81%)

40AR/36AR INTERCEPT

291.3 ± 4.7

Sample Info

Groundmass

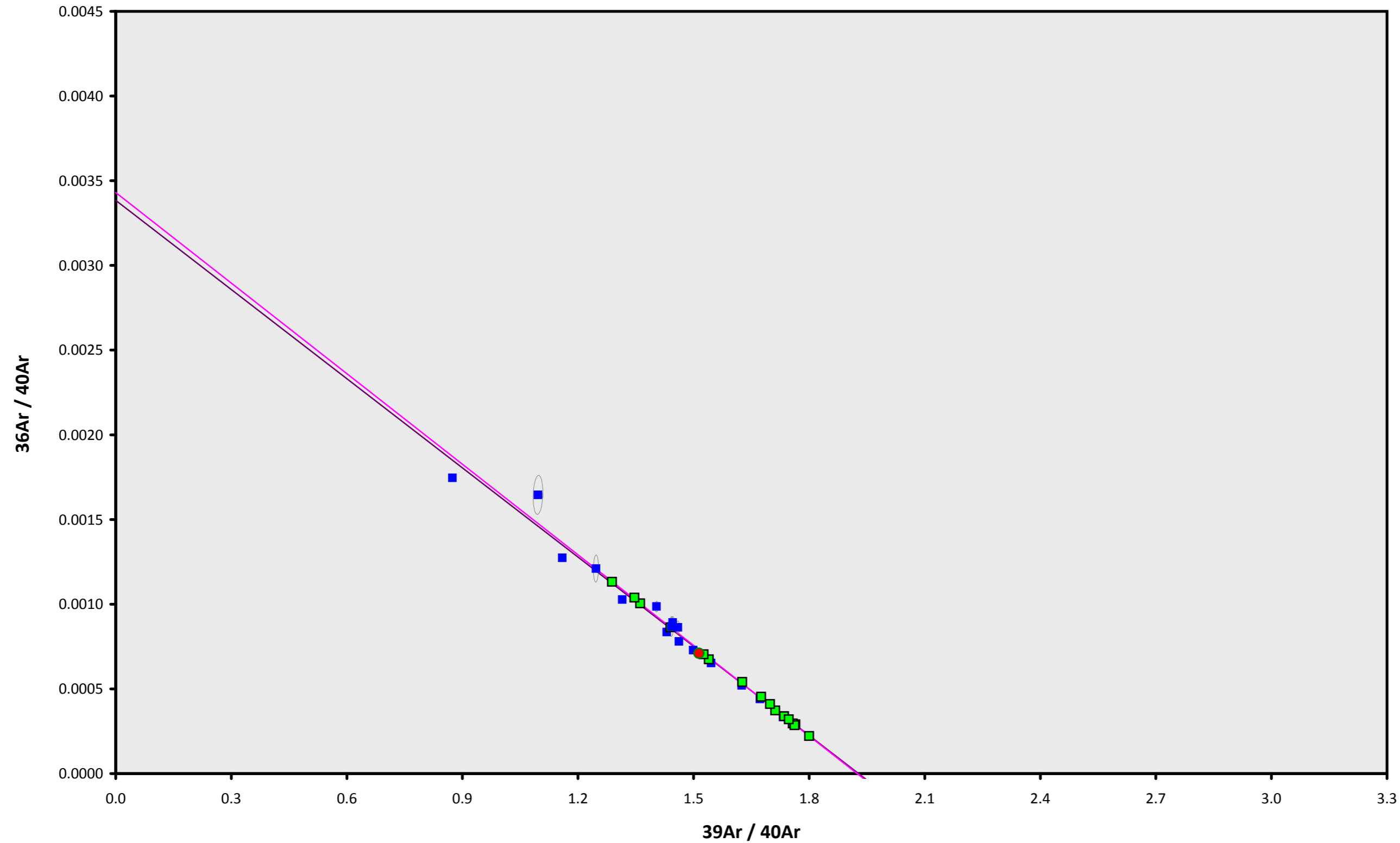
Marquesas Islands

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16D06834.AGE >>> 93H02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



### Ar-Ages in ka

**WEIGHTED PLATEAU**

**$1705.7 \pm 4.4$**

**TOTAL FUSION**

**$1716.5 \pm 4.4$**

**NORMAL ISOCHRON**

**$1708.8 \pm 5.7$**

**INVERSE ISOCHRON**

**$1708.7 \pm 5.7$**

**MSWD (PROBABILITY)**

**0.66 (81%)**

**SPREADING FACTOR**

**26.6%**

**40AR/36AR INTERCEPT**

**$291.5 \pm 4.7$**

### Sample Info

**Groundmass**

**Marquesas Islands**

**Kevin Konrad**

**IRR = 15-OSU-06 (6A2-15)**

**$J = 0.00181972 \pm 0.00000211$**