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
16D06786	1.8 %		0.1635721	0.536	51.0660	0.564	1.225606	1.834	102.1548	0.076	113.1975	0.040	0.67068 ± 0.00527	2199.1 ± 17.3	60.50	3.66	0.860 ± 0.010
16D06788	1.9 %		0.0703053	0.803	29.1652	0.821	0.756865	3.166	62.1955	0.081	60.3537	0.071	0.66965 ± 0.00568	2195.7 ± 18.6	68.99	2.23	0.917 ± 0.015
16D06789	2.0 %		0.0794403	0.763	40.6351	0.614	1.071420	2.204	87.4674	0.077	78.9155	0.054	0.66679 ± 0.00436	2186.3 ± 14.3	73.88	3.14	0.925 ± 0.011
16D06790	2.1 %		0.0574210	0.979	34.9691	0.680	0.922271	2.517	76.9680	0.079	65.5992	0.065	0.66397 ± 0.00461	2177.1 ± 15.1	77.88	2.76	0.946 ± 0.013
16D06792	2.2 %	✓	0.0585350	0.905	39.8442	0.648	1.064832	2.373	88.2804	0.077	72.9130	0.058	0.66189 ± 0.00385	2170.2 ± 12.6	80.11	3.17	0.952 ± 0.012
16D06793	2.4 %	✓	0.0576581	1.014	44.4653	0.583	1.198794	2.011	99.2911	0.076	79.5393	0.053	0.66109 ± 0.00375	2167.6 ± 12.3	82.50	3.56	0.960 ± 0.011
16D06794	2.6 %	✓	0.0458621	1.111	40.5496	0.619	1.067193	2.240	90.8585	0.077	70.7648	0.059	0.66119 ± 0.00362	2167.9 ± 11.9	84.87	3.26	0.963 ± 0.012
16D06796	2.8 %	✓	0.0624806	0.917	60.1282	0.507	1.558393	1.517	131.8825	0.074	101.3922	0.042	0.66107 ± 0.00286	2167.6 ± 9.4	85.96	4.73	0.943 ± 0.010
16D06797	3.0 %	✓	0.0523812	0.982	58.2206	0.522	1.556340	1.521	128.8843	0.074	96.4410	0.045	0.66011 ± 0.00268	2164.4 ± 8.8	88.19	4.62	0.952 ± 0.010
16D06798	3.2 %	✓	0.0485998	1.113	60.0070	0.507	1.603423	1.454	134.5340	0.075	98.7554	0.044	0.65878 ± 0.00269	2160.1 ± 8.8	89.72	4.83	0.964 ± 0.010
16D06800	3.4 %	✓	0.0414588	1.284	56.8643	0.517	1.512870	1.632	127.9251	0.075	92.5686	0.045	0.65920 ± 0.00276	2161.5 ± 9.1	91.07	4.59	0.967 ± 0.010
16D06801	3.6 %	✓	0.0359673	1.379	52.6075	0.563	1.411699	1.711	118.7347	0.075	85.1403	0.050	0.65879 ± 0.00279	2160.1 ± 9.1	91.85	4.26	0.970 ± 0.011
16D06802	3.8 %	✓	0.0396612	1.218	55.5421	0.516	1.508871	1.610	125.8876	0.075	90.8161	0.046	0.65940 ± 0.00260	2162.1 ± 8.5	91.38	4.52	0.974 ± 0.010
16D06804	4.0 %	✓	0.0372348	1.313	54.8668	0.528	1.514063	1.625	125.6132	0.075	89.5907	0.048	0.65638 ± 0.00263	2152.2 ± 8.6	92.00	4.51	0.984 ± 0.011
16D06805	4.3 %	✓	0.0247668	1.824	38.1838	0.685	1.126300	1.995	92.1258	0.077	65.1329	0.064	0.65654 ± 0.00324	2152.7 ± 10.6	92.84	3.30	1.037 ± 0.014
16D06806	4.6 %	✓	0.0415322	1.450	60.8730	0.504	1.682292	1.418	141.0404	0.074	100.8533	0.105	0.65838 ± 0.00312	2158.8 ± 10.2	92.05	5.06	0.996 ± 0.010
16D06808	4.9 %	✓	0.0342524	1.435	47.2561	0.561	1.381441	1.649	114.5800	0.075	82.2441	0.053	0.65827 ± 0.00286	2158.4 ± 9.4	91.68	4.11	1.042 ± 0.012
16D06809	5.2 %	✓	0.0246483	1.891	34.8969	0.715	1.076391	2.161	90.0893	0.077	64.3727	0.066	0.66053 ± 0.00339	2165.8 ± 11.1	92.42	3.23	1.110 ± 0.016
16D06810	5.5 %	✓	0.0365209	1.351	42.7166	0.613	1.282314	1.869	105.2987	0.076	77.3824	0.054	0.66068 ± 0.00308	2166.3 ± 10.1	89.88	3.78	1.060 ± 0.013
16D06812	5.8 %	✓	0.0355206	1.351	38.1962	0.657	1.166052	2.093	98.2653	0.076	72.6915	0.057	0.65987 ± 0.00320	2163.6 ± 10.5	89.18	3.52	1.106 ± 0.015
16D06813	6.2 %	✓	0.0279218	1.588	28.2979	0.833	0.945199	2.372	77.0745	0.080	57.1385	0.073	0.65953 ± 0.00376	2162.5 ± 12.3	88.94	2.76	1.171 ± 0.020
16D06814	6.6 %	✓	0.0357569	1.314	30.2633	0.804	0.936878	2.557	77.9814	0.078	59.9046	0.069	0.65958 ± 0.00389	2162.7 ± 12.8	85.84	2.80	1.108 ± 0.018
16D06816	7.0 %	✓	0.0347348	1.412	25.9414	0.879	0.831436	2.785	67.8528	0.080	53.2469	0.078	0.65991 ± 0.00461	2163.8 ± 15.1	84.07	2.43	1.124 ± 0.020
16D06817	7.6 %	✓	0.0448767	1.151	28.2408	0.827	0.826330	2.820	66.1149	0.081	54.9656	0.076	0.66079 ± 0.00494	2166.6 ± 16.2	79.46	2.37	1.006 ± 0.017
16D06818	8.3 %	✓	0.0624606	0.949	36.0033	0.689	0.844717	2.669	67.3880	0.081	60.1373	0.071	0.65698 ± 0.00549	2154.2 ± 18.0	73.59	2.42	0.805 ± 0.011
16D06820	9.0 %	✓	0.0653200	0.861	40.2804	0.640	0.720159	3.162	58.8071	0.082	54.9326	0.075	0.65627 ± 0.00597	2151.8 ± 19.6	70.22	2.11	0.627 ± 0.008
16D06821	9.8 %	✓	0.0753275	0.770	50.7607	0.544	0.687247	3.439	52.9359	0.086	53.0474	0.078	0.65371 ± 0.00682	2143.4 ± 22.4	65.19	1.90	0.448 ± 0.005
16D06822	11.0 %	✓	0.1218578	0.614	72.7622	0.469	0.750034	3.200	53.7922	0.085	65.8890	0.063	0.65877 ± 0.00851	2160.0 ± 27.9	53.73	1.93	0.318 ± 0.003
16D06824	13.0 %	✓	0.1179580	0.641	139.1253	0.397	0.766620	3.192	52.9702	0.085	58.5086	0.073	0.65064 ± 0.00885	2133.4 ± 29.0	58.80	1.90	0.163 ± 0.001
16D06825	15.5 %	✓	0.1383528	0.645	283.8119	0.376	0.545002	4.476	36.1481	0.098	42.2007	0.099	0.65406 ± 0.01573	2144.6 ± 51.6	55.73	1.29	0.054 ± 0.000
16D06826	18.5 %	✓	0.1602570	0.517	417.3691	0.372	0.331216	6.924	22.9461	0.123	29.8984	0.138	0.67509 ± 0.02488	2213.5 ± 81.5	51.17	0.81	0.023 ± 0.000
16D06828	21.5 %	✓	0.1084778	0.641	280.5481	0.376	0.183413	12.747	12.6746	0.195	18.3677	0.225	0.66815 ± 0.03658	2190.8 ± 119.9	45.42	0.45	0.019 ± 0.000
		Σ	2.0411207	0.163	2374.4579	0.111	34.055679	0.393	2788.7622	0.014	2266.9014	0.011					

Information on Analysis and Constants Used in Calculations

Project = **MARQUESAS (14-INT-06)**
Sample = **HO-AT-01**
Material = **Groundmass**
Location = **Marquesas Islands**
Region = **French Polynesia**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-06 (6A3-15)**
Position = **X: 0 | Y: 0 | Z/H: 6.72 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.66303 ± 0.01230**
FCT-NM J-value = **0.00181431 ± 0.00000258**
Air Shot 40Ar/36Ar = **304.7430 ± 0.5211**
Air Shot MDF = **0.99240758 ± 0.00070938 (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-HO-AT-01**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **9°48.0'S - 139°02.4'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		0.65919 ± 0.00069 ± 0.10%	**2161.4 ± 6.5 ± 0.30%**	1.00 46%	88.21 28	0.027 ± 0.019
		Full External Error ± 49.2		1.54	2σ Confidence Limit	
		Analytical Error ± 2.3		1.0019	Error Magnification	
Total Fusion Age		0.66016 ± 0.00077 ± 0.12%	**2164.6 ± 6.6 ± 0.31%**		32	0.505 ± 0.001
		Full External Error ± 49.3				
		Analytical Error ± 2.5				
Normal Isochron	**295.80 ± 2.85 ± 0.96%**	0.65883 ± 0.00114 ± 0.17%	**2160.2 ± 7.2 ± 0.33%**	1.09 35%	88.21 28	
		Full External Error ± 49.3		1.55	2σ Confidence Limit	
		Analytical Error ± 3.8		1.0425	Error Magnification	
				55	Number of Iterations	
				0.0000065060	Convergence	
Inverse Isochron	**294.87 ± 2.79 ± 0.95%**	0.65939 ± 0.00112 ± 0.17%	**2162.1 ± 7.1 ± 0.33%**	1.03 42%	88.21 28	
		Full External Error ± 49.3		1.55	2σ Confidence Limit	
		Analytical Error ± 3.7		1.0169	Error Magnification	
				3	Number of Iterations	
				0.0001032270	Convergence	
				49%	Spreading Factor	

Notes
The groundmass produced a high precision, long plateau which was a function of a K rich groundmass. Some earlier steps included in the plateau show some decreasing apparent age patterns but are still within the uncertainity of the plateau. Therefore, thos

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
16D06786	1.8 %		0.1499732	51.0660	0.0000000	102.1203	68.4901	2199.1 ± 17.3	60.50	3.66	0.860 ± 0.010
16D06788	1.9 %		0.0625386	29.1652	0.0000000	62.1758	41.6359	2195.7 ± 18.6	68.99	2.23	0.917 ± 0.015
16D06789	2.0 %		0.0686186	40.6351	0.0036881	87.4399	58.3044	2186.3 ± 14.3	73.88	3.14	0.925 ± 0.011
16D06790	2.1 %		0.0481087	34.9691	0.0000000	76.9443	51.0889	2177.1 ± 15.1	77.88	2.76	0.946 ± 0.013
16D06792	2.2 %	✓	0.0479245	39.8442	0.0000000	88.2535	58.4139	2170.2 ± 12.6	80.11	3.17	0.952 ± 0.012
16D06793	2.4 %	✓	0.0458170	44.4653	0.0000000	99.2611	65.6209	2167.6 ± 12.3	82.50	3.56	0.960 ± 0.011
16D06794	2.6 %	✓	0.0350638	40.5496	0.0000000	90.8311	60.0562	2167.9 ± 11.9	84.87	3.26	0.963 ± 0.012
16D06796	2.8 %	✓	0.0464685	60.1282	0.0000000	131.8419	87.1567	2167.6 ± 9.4	85.96	4.73	0.943 ± 0.010
16D06797	3.0 %	✓	0.0368771	58.2206	0.0000000	128.8450	85.0512	2164.4 ± 8.8	88.19	4.62	0.952 ± 0.010
16D06798	3.2 %	✓	0.0326199	60.0070	0.0000000	134.4935	88.6020	2160.1 ± 8.8	89.72	4.83	0.964 ± 0.010
16D06800	3.4 %	✓	0.0263158	56.8643	0.0000000	127.8867	84.3033	2161.5 ± 9.1	91.07	4.59	0.967 ± 0.010
16D06801	3.6 %	✓	0.0219579	52.6075	0.0000000	118.6992	78.1979	2160.1 ± 9.1	91.85	4.26	0.970 ± 0.011
16D06802	3.8 %	✓	0.0248704	55.5421	0.0000000	125.8500	82.9858	2162.1 ± 8.5	91.38	4.52	0.974 ± 0.010
16D06804	4.0 %	✓	0.0226238	54.8668	0.0000000	125.5761	82.4253	2152.2 ± 8.6	92.00	4.51	0.984 ± 0.011
16D06805	4.3 %	✓	0.0145963	38.1838	0.0127754	92.1000	60.4676	2152.7 ± 10.6	92.84	3.30	1.037 ± 0.014
16D06806	4.6 %	✓	0.0253217	60.8730	0.0000000	140.9993	92.8317	2158.8 ± 10.2	92.05	5.06	0.996 ± 0.010
16D06808	4.9 %	✓	0.0216681	47.2561	0.0000000	114.5481	75.4032	2158.4 ± 9.4	91.68	4.11	1.042 ± 0.012
16D06809	5.2 %	✓	0.0153553	34.8969	0.0000000	90.0657	59.4909	2165.8 ± 11.1	92.42	3.23	1.110 ± 0.016
16D06810	5.5 %	✓	0.0251442	42.7166	0.0080463	105.2698	69.5498	2166.3 ± 10.1	89.88	3.78	1.060 ± 0.013
16D06812	5.8 %	✓	0.0253489	38.1962	0.0000000	98.2395	64.8253	2163.6 ± 10.5	89.18	3.52	1.106 ± 0.015
16D06813	6.2 %	✓	0.0203840	28.2979	0.0123041	77.0554	50.8205	2162.5 ± 12.3	88.94	2.76	1.171 ± 0.020
16D06814	6.6 %	✓	0.0276978	30.2633	0.0000000	77.9610	51.4218	2162.7 ± 12.8	85.84	2.80	1.108 ± 0.018
16D06816	7.0 %	✓	0.0278252	25.9414	0.0082466	67.8353	44.7652	2163.8 ± 15.1	84.07	2.43	1.124 ± 0.020
16D06817	7.6 %	✓	0.0373524	28.2408	0.0221230	66.0958	43.6753	2166.6 ± 16.2	79.46	2.37	1.006 ± 0.017
16D06818	8.3 %	✓	0.0528693	36.0033	0.0217979	67.3637	44.2569	2154.2 ± 18.0	73.59	2.42	0.805 ± 0.011
16D06820	9.0 %	✓	0.0545934	40.2804	0.0000000	58.7799	38.5755	2151.8 ± 19.6	70.22	2.11	0.627 ± 0.008
16D06821	9.8 %	✓	0.0618039	50.7607	0.0355916	52.9016	34.5821	2143.4 ± 22.4	65.19	1.90	0.448 ± 0.005
16D06822	11.0 %	✓	0.1024678	72.7622	0.0790760	53.7430	35.4044	2160.0 ± 27.9	53.73	1.93	0.318 ± 0.003
16D06824	13.0 %	✓	0.0808910	139.1253	0.1053594	52.8762	34.4032	2133.4 ± 29.0	58.80	1.90	0.163 ± 0.001
16D06825	15.5 %	✓	0.0627600	283.8119	0.0803030	35.9564	23.5177	2144.6 ± 51.6	55.73	1.29	0.054 ± 0.000
16D06826	18.5 %	✓	0.0491083	417.3691	0.0193993	22.6641	15.3003	2213.5 ± 81.5	51.17	0.81	0.023 ± 0.000
16D06828	21.5 %	✓	0.0337667	280.5481	0.0067513	12.4850	8.3419	2190.8 ± 119.9	45.42	0.45	0.019 ± 0.000
		Σ	1.4087319	2374.4579	0.4154619	2787.1580	1839.9658				

Information on Analysis

Project = **MARQUESAS (14-INT-06)**
Sample = **HO-AT-01**
Material = **Groundmass**
Location = **Marquesas Islands**
Region = **French Polynesia**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-06 (6A3-15)**
J = **0.00181431 ± 0.00000258**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (ka)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.65919	± 0.00069	**2161.4**	**± 6.5**	1.00	88.21	0.027 ± 0.019
		± 0.10%		**± 0.30%**	46%	28	
			Full External Error	± 49.2	1.54	2σ Confidence Limit	
			Analytical Error	± 2.3	1.0019	Error Magnification	
Total Fusion Age	0.66016	± 0.00077	**2164.6**	**± 6.6**		32	0.505 ± 0.001
		± 0.12%		**± 0.31%**			
			Full External Error	± 49.3			
			Analytical Error	± 2.5			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D06786	1.8 %		680.92 ± 8.06	752.18 ± 8.85	0.9892
16D06788	1.9 %		994.20 ± 18.14	961.26 ± 17.53	0.9929
16D06789	2.0 %		1274.29 ± 22.73	1145.19 ± 20.39	0.9943
16D06790	2.1 %		1599.38 ± 37.72	1357.45 ± 31.99	0.9962
16D06792	2.2 %	✓	1841.51 ± 41.18	1514.37 ± 33.84	0.9962
16D06793	2.4 %	✓	2166.47 ± 55.79	1727.74 ± 44.45	0.9973
16D06794	2.6 %	✓	2590.45 ± 76.04	2008.27 ± 58.92	0.9978
16D06796	2.8 %	✓	2837.23 ± 70.86	2171.11 ± 54.16	0.9976
16D06797	3.0 %	✓	3493.90 ± 98.93	2601.84 ± 73.61	0.9981
16D06798	3.2 %	✓	4123.05 ± 138.56	3011.69 ± 101.15	0.9986
16D06800	3.4 %	✓	4859.69 ± 198.98	3499.02 ± 143.21	0.9991
16D06801	3.6 %	✓	5405.75 ± 247.66	3856.76 ± 176.65	0.9992
16D06802	3.8 %	✓	5060.24 ± 199.37	3632.23 ± 143.04	0.9990
16D06804	4.0 %	✓	5550.63 ± 243.16	3938.80 ± 172.50	0.9992
16D06805	4.3 %	✓	6309.80 ± 395.46	4438.16 ± 278.13	0.9995
16D06806	4.6 %	✓	5568.32 ± 267.64	3961.59 ± 190.51	0.9986
16D06808	4.9 %	✓	5286.48 ± 242.59	3775.41 ± 173.21	0.9992
16D06809	5.2 %	✓	5865.46 ± 359.90	4169.80 ± 255.84	0.9994
16D06810	5.5 %	✓	4186.65 ± 166.11	3061.54 ± 121.43	0.9989
16D06812	5.8 %	✓	3875.49 ± 148.39	2852.82 ± 109.19	0.9987
16D06813	6.2 %	✓	3780.19 ± 166.24	2788.65 ± 122.63	0.9988
16D06814	6.6 %	✓	2814.70 ± 96.50	2152.03 ± 73.76	0.9981
16D06816	7.0 %	✓	2437.91 ± 86.71	1904.30 ± 67.73	0.9980
16D06817	7.6 %	✓	1769.52 ± 49.39	1464.78 ± 40.88	0.9968
16D06818	8.3 %	✓	1274.16 ± 28.82	1132.60 ± 25.61	0.9954
16D06820	9.0 %	✓	1076.69 ± 22.43	1002.10 ± 20.87	0.9942
16D06821	9.8 %	✓	855.96 ± 16.28	855.05 ± 16.25	0.9924
16D06822	11.0 %	✓	524.49 ± 7.77	641.02 ± 9.47	0.9896
16D06824	13.0 %	✓	653.67 ± 12.52	720.80 ± 13.80	0.9930
16D06825	15.5 %	✓	572.92 ± 17.26	670.22 ± 20.19	0.9957
16D06826	18.5 %	✓	461.51 ± 17.73	607.06 ± 23.33	0.9953
16D06828	21.5 %	✓	369.74 ± 16.66	542.54 ± 24.48	0.9911

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**295.80 ± 2.85**	0.65883 ± 0.00114	**2160.2 ± 7.2**	1.09
	± 0.96%	± 0.17%	**± 0.33%**	35%
			Full External Error ± 49.3	
			Analytical Error ± 3.8	

Statistics				
	2σ Confidence Limit	1.55	Convergence	0.000006505978
	Error Magnification	1.0425	Number of Iterations	55
	Number of Data Points	28	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
16D06786	1.8 %		0.9052646	± 0.0015679	0.00132947	± 0.00001564	0.0333
16D06788	1.9 %		1.0342627	± 0.0022473	0.00104030	± 0.00001897	0.0521
16D06789	2.0 %		1.1127337	± 0.0021204	0.00087322	± 0.00001555	0.0365
16D06790	2.1 %		1.1782292	± 0.0024176	0.00073668	± 0.00001736	0.0360
16D06792	2.2 %	✓	1.2160208	± 0.0023783	0.00066034	± 0.00001475	0.0330
16D06793	2.4 %	✓	1.2539324	± 0.0023550	0.00057879	± 0.00001489	0.0245
16D06794	2.6 %	✓	1.2898933	± 0.0025248	0.00049794	± 0.00001461	0.0258
16D06796	2.8 %	✓	1.3068125	± 0.0022620	0.00046059	± 0.00001149	0.0183
16D06797	3.0 %	✓	1.3428569	± 0.0023673	0.00038434	± 0.00001087	0.0178
16D06798	3.2 %	✓	1.3690132	± 0.0024114	0.00033204	± 0.00001115	0.0143
16D06800	3.4 %	✓	1.3888704	± 0.0024706	0.00028579	± 0.00001170	0.0125
16D06801	3.6 %	✓	1.4016304	± 0.0025513	0.00025929	± 0.00001188	0.0129
16D06802	3.8 %	✓	1.3931482	± 0.0024948	0.00027531	± 0.00001084	0.0135
16D06804	4.0 %	✓	1.4092164	± 0.0025428	0.00025388	± 0.00001112	0.0128
16D06805	4.3 %	✓	1.4217171	± 0.0028734	0.00022532	± 0.00001412	0.0135
16D06806	4.6 %	✓	1.4055752	± 0.0036344	0.00025242	± 0.00001214	0.0363
16D06808	4.9 %	✓	1.4002383	± 0.0025979	0.00026487	± 0.00001215	0.0141
16D06809	5.2 %	✓	1.4066532	± 0.0028898	0.00023982	± 0.00001471	0.0145
16D06810	5.5 %	✓	1.3674973	± 0.0025823	0.00032663	± 0.00001296	0.0170
16D06812	5.8 %	✓	1.3584767	± 0.0026156	0.00035053	± 0.00001342	0.0187
16D06813	6.2 %	✓	1.3555592	± 0.0029632	0.00035860	± 0.00001577	0.0234
16D06814	6.6 %	✓	1.3079271	± 0.0027633	0.00046468	± 0.00001593	0.0277
16D06816	7.0 %	✓	1.2802119	± 0.0028961	0.00052513	± 0.00001868	0.0316
16D06817	7.6 %	✓	1.2080467	± 0.0027046	0.00068270	± 0.00001905	0.0380
16D06818	8.3 %	✓	1.1249823	± 0.0024411	0.00088292	± 0.00001996	0.0420
16D06820	9.0 %	✓	1.0744326	± 0.0024090	0.00099791	± 0.00002078	0.0499
16D06821	9.8 %	✓	1.0010685	± 0.0023411	0.00116953	± 0.00002223	0.0568
16D06822	11.0 %	✓	0.8182107	± 0.0017456	0.00156002	± 0.00002304	0.0523
16D06824	13.0 %	✓	0.9068664	± 0.0020480	0.00138734	± 0.00002656	0.0507
16D06825	15.5 %	✓	0.8548163	± 0.0023947	0.00149204	± 0.00004495	0.0471
16D06826	18.5 %	✓	0.7602399	± 0.0028467	0.00164728	± 0.00006332	0.0536
16D06828	21.5 %	✓	0.6815005	± 0.0041024	0.00184317	± 0.00008316	0.0751

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (ka)		MSWD
Inverse Isochron	**294.87**	**± 2.79**	0.65939	± 0.00112	**2162.1**	**± 7.1**	1.03
		± 0.95%		± 0.17%		**± 0.33%**	42%
					Full External Error	± 49.3	
					Analytical Error	± 3.7	

Statistics				
	2σ Confidence Limit	1.55	Convergence	0.0001032270
	Error Magnification	1.0169	Number of Iterations	3
	Number of Data Points	28	Calculated Line	Weighted York-2
	Spreading Factor	48.8%		

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]
16D06786	1.8 %		0.1499732	0.59	0.0000000	0.00	0.0135989	0.58	0.0000000	0.00	51.0660	0.56	0.0280300	0.59	0.0000000	0.00	1.228609	0.18	0.0036665	12.83	0.0000000	0.00	102.1203	0.08	0.0345002	1.44	68.4901	0.39	44.31708	0.59	0.0000000	0.00	0.390406
16D06788	1.9 %		0.0625386	0.91	0.0000000	0.00	0.0077667	0.84	0.0000000	0.00	29.1652	0.82	0.0116885	0.91	0.0000000	0.00	0.748037	0.18	0.0020941	12.85	0.0000000	0.00	62.1758	0.08	0.0197040	1.55	41.6359	0.42	18.48017	0.91	0.0000000	0.00	0.237698
16D06789	2.0 %		0.0686186	0.89	0.0000000	0.00	0.0108211	0.63	0.0000006	642.32	40.6351	0.61	0.0128248	0.89	0.0000000	0.00	1.051990	0.18	0.0029176	12.83	0.0036881	642.32	87.4399	0.08	0.0274531	1.46	58.3044	0.32	20.27678	0.89	0.0000000	0.00	0.334283
16D06790	2.1 %		0.0481087	1.18	0.0000000	0.00	0.0093123	0.70	0.0000000	0.00	34.9691	0.68	0.0089915	1.18	0.0000000	0.00	0.925717	0.18	0.0025108	12.84	0.0000000	0.00	76.9443	0.08	0.0236251	1.48	51.0889	0.34	14.21613	1.18	0.0000000	0.00	0.294158
16D06792	2.2 %	✓	0.0479245	1.12	0.0000000	0.00	0.0106105	0.67	0.0000000	0.00	39.8442	0.65	0.0089571	1.12	0.0000000	0.00	1.061778	0.18	0.0028608	12.84	0.0000000	0.00	88.2535	0.08	0.0269187	1.47	58.4139	0.28	14.16169	1.12	0.0000000	0.00	0.337393
16D06793	2.4 %	✓	0.0458170	1.29	0.0000000	0.00	0.0118411	0.60	0.0000000	0.00	44.4653	0.58	0.0085632	1.29	0.0000000	0.00	1.194210	0.18	0.0031926	12.83	0.0000000	0.00	99.2611	0.08	0.0300408	1.44	65.6209	0.27	13.53891	1.29	0.0000000	0.00	0.379475
16D06794	2.6 %	✓	0.0350638	1.47	0.0000000	0.00	0.0107984	0.64	0.0000000	0.00	40.5496	0.62	0.0065534	1.47	0.0000000	0.00	1.092789	0.18	0.0029115	12.83	0.0000000	0.00	90.8311	0.08	0.0273953	1.46	60.0562	0.26	10.36135	1.47	0.0000000	0.00	0.347247
16D06796	2.8 %	✓	0.0464685	1.25	0.0000000	0.00	0.0160121	0.53	0.0000000	0.00	60.1282	0.51	0.0086850	1.25	0.0000000	0.00	1.586190	0.18	0.0043172	12.83	0.0000000	0.00	131.8419	0.07	0.0406226	1.41	87.1567	0.20	13.73143	1.25	0.0000000	0.00	0.504031
16D06797	3.0 %	✓	0.0368771	1.41	0.0000000	0.00	0.0155041	0.54	0.0000000	0.00	58.2206	0.52	0.0068923	1.41	0.0000000	0.00	1.550134	0.18	0.0041802	12.83	0.0000000	0.00	128.8450	0.07	0.0393338	1.42	85.0512	0.19	10.89718	1.41	0.0000000	0.00	0.492574
16D06798	3.2 %	✓	0.0326199	1.68	0.0000000	0.00	0.0159799	0.53	0.0000000	0.00	60.0070	0.51	0.0060967	1.68	0.0000000	0.00	1.618091	0.18	0.0043085	12.83	0.0000000	0.00	134.4935	0.08	0.0405407	1.41	88.6020	0.19	9.63918	1.68	0.0000000	0.00	0.514169
16D06800	3.4 %	✓	0.0263158	2.05	0.0000000	0.00	0.0151430	0.54	0.0000000	0.00	56.8643	0.52	0.0049184	2.05	0.0000000	0.00	1.538605	0.18	0.0040829	12.83	0.0000000	0.00	127.8867	0.08	0.0384175	1.42	84.3033	0.20	7.77633	2.05	0.0000000	0.00	0.488911
16D06801	3.6 %	✓	0.0219579	2.29	0.0000000	0.00	0.0140094	0.58	0.0000000	0.00	52.6075	0.56	0.0041039	2.29	0.0000000	0.00	1.428070	0.18	0.0037772	12.83	0.0000000	0.00	118.6992	0.07	0.0355416	1.44	78.1979	0.20	6.48857	2.29	0.0000000	0.00	0.453787
16D06802	3.8 %	✓	0.0248704	1.97	0.0000000	0.00	0.0147908	0.54	0.0000000	0.00	55.5421	0.52	0.0046483	1.97	0.0000000	0.00	1.514102	0.18	0.0039879	12.83	0.0000000	0.00	125.8500	0.08	0.0375242	1.42	82.9858	0.18	7.34919	1.97	0.0000000	0.00	0.481125
16D06804	4.0 %	✓	0.0226238	2.19	0.0000000	0.00	0.0146110	0.55	0.0000000	0.00	54.8668	0.53	0.0042284	2.19	0.0000000	0.00	1.510806	0.18	0.0039394	12.83	0.0000000	0.00	125.5761	0.07	0.0370680	1.42	82.4253	0.19	6.68532	2.19	0.0000000	0.00	0.480078
16D06805	4.3 %	✓	0.0145963	3.13	0.0000000	0.00	0.0101683	0.70	0.0000022	176.56	38.1838	0.69	0.0027281	3.13	0.0000000	0.00	1.108055	0.18	0.0027416	12.84	0.0127754	176.56	92.1000	0.08	0.0257970	1.49	60.4676	0.23	4.31322	3.13	0.0000000	0.00	0.352098
16D06806	4.6 %	✓	0.0253217	2.40	0.0000000	0.00	0.0162105	0.53	0.0000000	0.00	60.8730	0.50	0.0047326	2.40	0.0000000	0.00	1.696362	0.18	0.0043707	12.83	0.0000000	0.00	140.9993	0.07	0.0411258	1.41	92.8317	0.23	7.48256	2.40	0.0000000	0.00	0.539040
16D06808	4.9 %	✓	0.0216681	2.29	0.0000000	0.00	0.0125843	0.58	0.0000000	0.00	47.2561	0.56	0.0040498	2.29	0.0000000	0.00	1.378128	0.18	0.0033930	12.83	0.0000000	0.00	114.5481	0.07	0.0319262	1.43	75.4032	0.20	6.40293	2.29	0.0000000	0.00	0.437917
16D06809	5.2 %	✓	0.0153553	3.07	0.0000000	0.00	0.0092930	0.73	0.0000000	0.00	34.8969	0.71	0.0028699	3.07	0.0000000	0.00	1.083580	0.18	0.0025056	12.84	0.0000000	0.00	90.0657	0.08	0.0235763	1.50	59.4909	0.25	4.53748	3.07	0.0000000	0.00	0.344321
16D06810	5.5 %	✓	0.0251442	1.98	0.0000000	0.00	0.0113754	0.63	0.0000014	299.27	42.7166	0.61	0.0046994	1.98	0.0000000	0.00	1.266501	0.18	0.0030670	12.83	0.0080463	299.27	105.2698	0.08	0.0288593	1.46	69.5498	0.22	7.43010	1.98	0.0000000	0.00	0.402446
16D06812	5.8 %	✓	0.0253489	1.91	0.0000000	0.00	0.0101716	0.67	0.0000000	0.00	38.1962	0.66	0.0047377	1.91	0.0000000	0.00	1.181919	0.18	0.0027425	12.84	0.0000000	0.00	98.2395	0.08	0.0258054	1.47	64.8253	0.23	7.49061	1.91	0.0000000	0.00	0.375570
16D06813	6.2 %	✓	0.0203840	2.20	0.0000000	0.00	0.0075357	0.85	0.0000021	182.72	28.2979	0.83	0.0038098	2.20	0.0000000	0.00	0.927053	0.18	0.0020318	12.85	0.0123041	182.72	77.0554	0.08	0.0191180	1.56	50.8205	0.27	6.02347	2.20	0.0000000	0.00	0.294583
16D06814	6.6 %	✓	0.0276978	1.71	0.0000000	0.00	0.0080591	0.82	0.0000000	0.00	30.2633	0.80	0.0051767	1.71	0.0000000	0.00	0.937948	0.18	0.0021729	12.85	0.0000000	0.00	77.9610	0.08	0.0204459	1.55	51.4218	0.28	8.18469	1.71	0.0000000	0.00	0.298045
16D06816	7.0 %	✓	0.0278252	1.78	0.0000000	0.00	0.0069082	0.89	0.0000014	281.34	25.9414	0.88	0.0052005	1.78	0.0000000	0.00	0.816126	0.18	0.0018626	12.85	0.0082466	281.34	67.8353	0.08	0.0175260	1.59	44.7652	0.34	8.22233	1.78	0.0000000	0.00	0.259334
16D06817	7.6 %	✓	0.0373524	1.39	0.0000000	0.00	0.0075205	0.84	0.0000038	105.56	28.2408	0.83	0.0069812	1.39	0.0000000	0.00	0.795198	0.18	0.0020277	12.85	0.0221230	105.56	66.0958	0.08	0.0190795	1.56	43.6753	0.37	11.03765	1.39	0.0000000	0.00	0.252684
16D06818	8.3 %	✓	0.0528693	1.13	0.0000000	0.00	0.0095877	0.71	0.0000037	103.65	36.0033	0.69	0.0098813	1.13	0.0000000	0.00	0.810453	0.18	0.0025850	12.84	0.0217979	103.66	67.3637	0.08	0.0243238	1.49	44.2569	0.41	15.62287	1.13	0.0000000	0.00	0.257531
16D06820	9.0 %	✓	0.0545934	1.04	0.0000000	0.00	0.0107267	0.66	0.0000000	0.00	40.2804	0.64	0.0102035	1.04	0.0000000	0.00	0.707181	0.18	0.0028921	12.84	0.0000000	0.00	58.7799	0.08	0.0272134	1.47	38.5755	0.45	16.13234	1.04	0.0000000	0.00	0.224716
16D06821	9.8 %	✓	0.0618039	0.95	0.0000000	0.00	0.0135176	0.56	0.0000061	66.50	50.7607	0.54	0.0115512	0.95	0.0000000	0.00	0.636459	0.18	0.0036446	12.83	0.0355916	66.50	52.9016	0.09	0.0342939	1.43	34.5821	0.51	18.26306	0.95	0.0000000	0.00	0.202243
16D06822	11.0 %	✓	0.1024678	0.74	0.0000000	0.00	0.0193766	0.49	0.0000134	30.42	72.7622	0.47	0.0191512	0.74	0.0000000	0.00	0.646582	0.18	0.0052243	12.83	0.0790760	30.43	53.7430	0.09	0.0491581	1.40	35.4044	0.64	30.27923	0.74	0.0000000	0.00	0.205460
16D06824	13.0 %	✓	0.0808910	0.95	0.0000000	0.00	0.0370491	0.42	0.0000179	23.31	139.1253	0.40	0.0151185	0.95	0.0000000	0.00	0.636153	0.18	0.0099892	12.83	0.1053594	23.32	52.8762	0.09	0.0939931	1.38	34.4032	0.67	23.90329	0.95	0.0000000	0.00	0.202146
16D06825	15.5 %	✓	0.0627600	1.50	0.0000000	0.00	0.0755791	0.41	0.0000137	30.58	283.8119	0.38	0.0117298	1.50	0.0000000	0.00	0.432591	0.19	0.0203777	12.83	0.0803030	30.60	35.9564	0.10	0.1917433	1.37	23.5177	1.20	18.54558	1.50	0.0000000	0.00	0.137461
16D06826	18.5 %	✓	0.0491083	1.92	0.0000000	0.00	0.1111454	0.40	0.0000033	119.91	417.3691	0.37	0.0091783	1.92	0.0000000	0.00	0.272672	0.20	0.0299671	12.83	0.0193993	119.92	22.6641	0.13	0.2819746	1.37	15.3003	1.84	14.51150	1.92	0.0000000	0.00	0.086645
16D06828	21.5 %	✓	0.0337667	2.24	0.0000000	0.00	0.0747100	0.40	0.0000011	348.48	280.5481	0.38	0.0063110	2.24	0.0000000	0.00	0.150208	0.26	0.0201434	12.83	0.0067513	348.48	12.4850	0.20	0.1895383	1.37	8.3419	2.73	9.97805	2.24	0.0000000	0.00	0.047730
		Σ	1.4087319	0.24	0.0000000	0.00	0.6323181	0.12	0.0000707	20.40	2374.4579	0.11	0.2632920	0.24	0.0000000	0.00	33.532298	0.03	0.1704861	3.47	0.4154619	20.41	2787.1580	0.01	1.6041837	0.37	1839.9658	0.06	416.28028	0.24	0.0000000	0.00	10.655305
		Σ							2.0411207	0.17	2374.4579	0.11									34.381538	0.25			2788.7622	0.01							2266.9014

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Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D06786	1.8 %		1.108098	0.000953	0.499888	0.002845	0.001601	0.000009	104.477	7.893971	1.00073834	5.433E-12
16D06788	1.9 %		0.970388	0.001047	0.468928	0.003871	0.001130	0.000009	104.492	7.896354	1.00073845	2.897E-12
16D06789	2.0 %		0.902227	0.000852	0.464575	0.002874	0.000908	0.000007	104.501	7.897654	1.00073851	3.788E-12
16D06790	2.1 %		0.852293	0.000867	0.454333	0.003110	0.000746	0.000007	104.509	7.898954	1.00073857	3.149E-12
16D06792	2.2 %	✓	0.825925	0.000800	0.451337	0.002946	0.000663	0.000006	104.524	7.901229	1.00073867	3.500E-12
16D06793	2.4 %	✓	0.801072	0.000744	0.447828	0.002635	0.000581	0.000006	104.531	7.902313	1.00073872	3.818E-12
16D06794	2.6 %	✓	0.778846	0.000754	0.446294	0.002782	0.000505	0.000006	104.538	7.903506	1.00073878	3.397E-12
16D06796	2.8 %	✓	0.768807	0.000657	0.455923	0.002338	0.000474	0.000004	104.552	7.905674	1.00073887	4.867E-12
16D06797	3.0 %	✓	0.748276	0.000651	0.451727	0.002380	0.000406	0.000004	104.559	7.906759	1.00073892	4.629E-12
16D06798	3.2 %	✓	0.734055	0.000637	0.446036	0.002287	0.000361	0.000004	104.566	7.907843	1.00073897	4.740E-12
16D06800	3.4 %	✓	0.723615	0.000634	0.444512	0.002321	0.000324	0.000004	104.580	7.910013	1.00073907	4.443E-12
16D06801	3.6 %	✓	0.717063	0.000643	0.443067	0.002517	0.000303	0.000004	104.587	7.911098	1.00073912	4.087E-12
16D06802	3.8 %	✓	0.721407	0.000637	0.441204	0.002299	0.000315	0.000004	104.594	7.912183	1.00073917	4.359E-12
16D06804	4.0 %	✓	0.713227	0.000634	0.436792	0.002330	0.000296	0.000004	104.608	7.914354	1.00073927	4.300E-12
16D06805	4.3 %	✓	0.707000	0.000705	0.414474	0.002858	0.000269	0.000005	104.615	7.915440	1.00073932	3.126E-12
16D06806	4.6 %	✓	0.715067	0.000915	0.431600	0.002199	0.000294	0.000004	104.622	7.916525	1.00073936	4.841E-12
16D06808	4.9 %	✓	0.717787	0.000657	0.412429	0.002334	0.000299	0.000004	104.635	7.918589	1.00073946	3.948E-12
16D06809	5.2 %	✓	0.714543	0.000725	0.387359	0.002785	0.000274	0.000005	104.642	7.919675	1.00073951	3.090E-12
16D06810	5.5 %	✓	0.734884	0.000685	0.405671	0.002506	0.000347	0.000005	104.649	7.920762	1.00073956	3.714E-12
16D06812	5.8 %	✓	0.739747	0.000703	0.388705	0.002572	0.000361	0.000005	104.662	7.922935	1.00073965	3.489E-12
16D06813	6.2 %	✓	0.741342	0.000802	0.367149	0.003072	0.000362	0.000006	104.669	7.924022	1.00073970	2.743E-12
16D06814	6.6 %	✓	0.768190	0.000803	0.388084	0.003137	0.000459	0.000006	104.676	7.925109	1.00073975	2.875E-12
16D06816	7.0 %	✓	0.784741	0.000879	0.382319	0.003376	0.000512	0.000007	104.690	7.927283	1.00073985	2.556E-12
16D06817	7.6 %	✓	0.831366	0.000923	0.427147	0.003548	0.000679	0.000008	104.697	7.928370	1.00073990	2.638E-12
16D06818	8.3 %	✓	0.892404	0.000961	0.534269	0.003706	0.000927	0.000009	104.704	7.929458	1.00073995	2.887E-12
16D06820	9.0 %	✓	0.934114	0.001040	0.684957	0.004421	0.001111	0.000010	104.718	7.931634	1.00074005	2.637E-12
16D06821	9.8 %	✓	1.002106	0.001165	0.958908	0.005285	0.001423	0.000011	104.725	7.932722	1.00074010	2.546E-12
16D06822	11.0 %	✓	1.224882	0.001300	1.352654	0.006452	0.002265	0.000014	104.732	7.933810	1.00074014	3.163E-12
16D06824	13.0 %	✓	1.104558	0.001240	2.626484	0.010666	0.002227	0.000014	104.746	7.935987	1.00074024	2.808E-12
16D06825	15.5 %	✓	1.167439	0.001623	7.851362	0.030515	0.003827	0.000025	104.753	7.937075	1.00074029	2.026E-12
16D06826	18.5 %	✓	1.302986	0.002410	18.189134	0.071219	0.006984	0.000037	104.760	7.938273	1.00074035	1.435E-12
16D06828	21.5 %	✓	1.449173	0.004316	22.134698	0.093721	0.008559	0.000057	104.774	7.940451	1.00074044	8.816E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D06786	1.8 %	0.0038783 ± 0.0003163	0.0245390 ± 0.0179522	0.0401111 ± 0.0161467	0.0569239 ± 0.0159392	1.1670139 ± 0.0364430
16D06788	1.9 %	0.0038812 ± 0.0003163	0.0095651 ± 0.0179522	0.0361817 ± 0.0161467	0.0247411 ± 0.0159392	1.0817021 ± 0.0364430
16D06789	2.0 %	0.0038829 ± 0.0003163	0.0058131 ± 0.0179522	0.0349453 ± 0.0161467	0.0116154 ± 0.0159392	1.0476944 ± 0.0364430
16D06790	2.1 %	0.0038845 ± 0.0003163	0.0045674 ± 0.0179522	0.0342254 ± 0.0161467	0.0012343 ± 0.0159392	1.0211399 ± 0.0364430
16D06792	2.2 %	0.0038873 ± 0.0003163	0.0071020 ± 0.0179522	0.0339461 ± 0.0161467	0.0111737 ± 0.0159392	0.9896202 ± 0.0364430
16D06793	2.4 %	0.0038887 ± 0.0003163	0.0098980 ± 0.0179522	0.0341496 ± 0.0161467	0.0148491 ± 0.0159392	0.9801235 ± 0.0364430
16D06794	2.6 %	0.0038901 ± 0.0003163	0.0138094 ± 0.0179522	0.0345572 ± 0.0161467	0.0174644 ± 0.0159392	0.9730013 ± 0.0364430
16D06796	2.8 %	0.0038928 ± 0.0003163	0.0223437 ± 0.0179522	0.0356373 ± 0.0161467	0.0189679 ± 0.0159392	0.9671358 ± 0.0364430
16D06797	3.0 %	0.0038942 ± 0.0003163	0.0269385 ± 0.0179522	0.0362756 ± 0.0161467	0.0184113 ± 0.0159392	0.9668273 ± 0.0364430
16D06798	3.2 %	0.0038955 ± 0.0003163	0.0315406 ± 0.0179522	0.0369420 ± 0.0161467	0.0171445 ± 0.0159392	0.9678012 ± 0.0364430
16D06800	3.4 %	0.0038982 ± 0.0003163	0.0402172 ± 0.0179522	0.0382678 ± 0.0161467	0.0129305 ± 0.0159392	0.9723928 ± 0.0364430
16D06801	3.6 %	0.0038996 ± 0.0003163	0.0440518 ± 0.0179522	0.0388894 ± 0.0161467	0.0101934 ± 0.0159392	0.9754905 ± 0.0364430
16D06802	3.8 %	0.0039009 ± 0.0003163	0.0474137 ± 0.0179522	0.0394638 ± 0.0161467	0.0071661 ± 0.0159392	0.9788308 ± 0.0364430
16D06804	4.0 %	0.0039036 ± 0.0003163	0.0523924 ± 0.0179522	0.0404324 ± 0.0161467	0.0005952 ± 0.0159392	0.9855600 ± 0.0364430
16D06805	4.3 %	0.0039050 ± 0.0003163	0.0538806 ± 0.0179522	0.0408153 ± 0.0161467	0.0027867 ± 0.0159392	0.9886914 ± 0.0364430
16D06806	4.6 %	0.0039063 ± 0.0003163	0.0546386 ± 0.0179522	0.0411286 ± 0.0161467	0.0061348 ± 0.0159392	0.9915503 ± 0.0364430
16D06808	4.9 %	0.0039089 ± 0.0003163	0.0539728 ± 0.0179522	0.0415443 ± 0.0161467	0.0121724 ± 0.0159392	0.9960903 ± 0.0364430
16D06809	5.2 %	0.0039102 ± 0.0003163	0.0524961 ± 0.0179522	0.0416827 ± 0.0161467	0.0150719 ± 0.0159392	0.9980117 ± 0.0364430
16D06810	5.5 %	0.0039116 ± 0.0003163	0.0502527 ± 0.0179522	0.0417804 ± 0.0161467	0.0177147 ± 0.0159392	0.9996638 ± 0.0364430
16D06812	5.8 %	0.0039143 ± 0.0003163	0.0435780 ± 0.0179522	0.0419197 ± 0.0161467	0.0220668 ± 0.0159392	1.0025167 ± 0.0364430
16D06813	6.2 %	0.0039156 ± 0.0003163	0.0392380 ± 0.0179522	0.0420021 ± 0.0161467	0.0237094 ± 0.0159392	1.0039783 ± 0.0364430
16D06814	6.6 %	0.0039170 ± 0.0003163	0.0343133 ± 0.0179522	0.0421260 ± 0.0161467	0.0249617 ± 0.0159392	1.0056917 ± 0.0364430
16D06816	7.0 %	0.0039197 ± 0.0003163	0.0230455 ± 0.0179522	0.0426163 ± 0.0161467	0.0262283 ± 0.0159392	1.0107564 ± 0.0364430
16D06817	7.6 %	0.0039210 ± 0.0003163	0.0169048 ± 0.0179522	0.0430502 ± 0.0161467	0.0262240 ± 0.0159392	1.0146307 ± 0.0364430
16D06818	8.3 %	0.0039224 ± 0.0003163	0.0105842 ± 0.0179522	0.0436603 ± 0.0161467	0.0257922 ± 0.0159392	1.0198030 ± 0.0364430
16D06820	9.0 %	0.0039251 ± 0.0003163	0.0020384 ± 0.0179522	0.0455806 ± 0.0161467	0.0236751 ± 0.0159392	1.0354487 ± 0.0364430
16D06821	9.8 %	0.0039264 ± 0.0003163	0.0080267 ± 0.0179522	0.0469846 ± 0.0161467	0.0220194 ± 0.0159392	1.0467075 ± 0.0364430
16D06822	11.0 %	0.0039278 ± 0.0003163	0.0135675 ± 0.0179522	0.0487527 ± 0.0161467	0.0199951 ± 0.0159392	1.0608353 ± 0.0364430
16D06824	13.0 %	0.0039305 ± 0.0003163	0.0225257 ± 0.0179522	0.0536048 ± 0.0161467	0.0149664 ± 0.0159392	1.0996296 ± 0.0364430
16D06825	15.5 %	0.0039318 ± 0.0003163	0.0255182 ± 0.0179522	0.0568092 ± 0.0161467	0.0120397 ± 0.0159392	1.1253440 ± 0.0364430
16D06826	18.5 %	0.0039333 ± 0.0003163	0.0273017 ± 0.0179522	0.0610351 ± 0.0161467	0.0085761 ± 0.0159392	1.1593871 ± 0.0364430
16D06828	21.5 %	0.0039360 ± 0.0003163	0.0254315 ± 0.0179522	0.0708938 ± 0.0161467	0.0018593 ± 0.0159392	1.2393450 ± 0.0364430

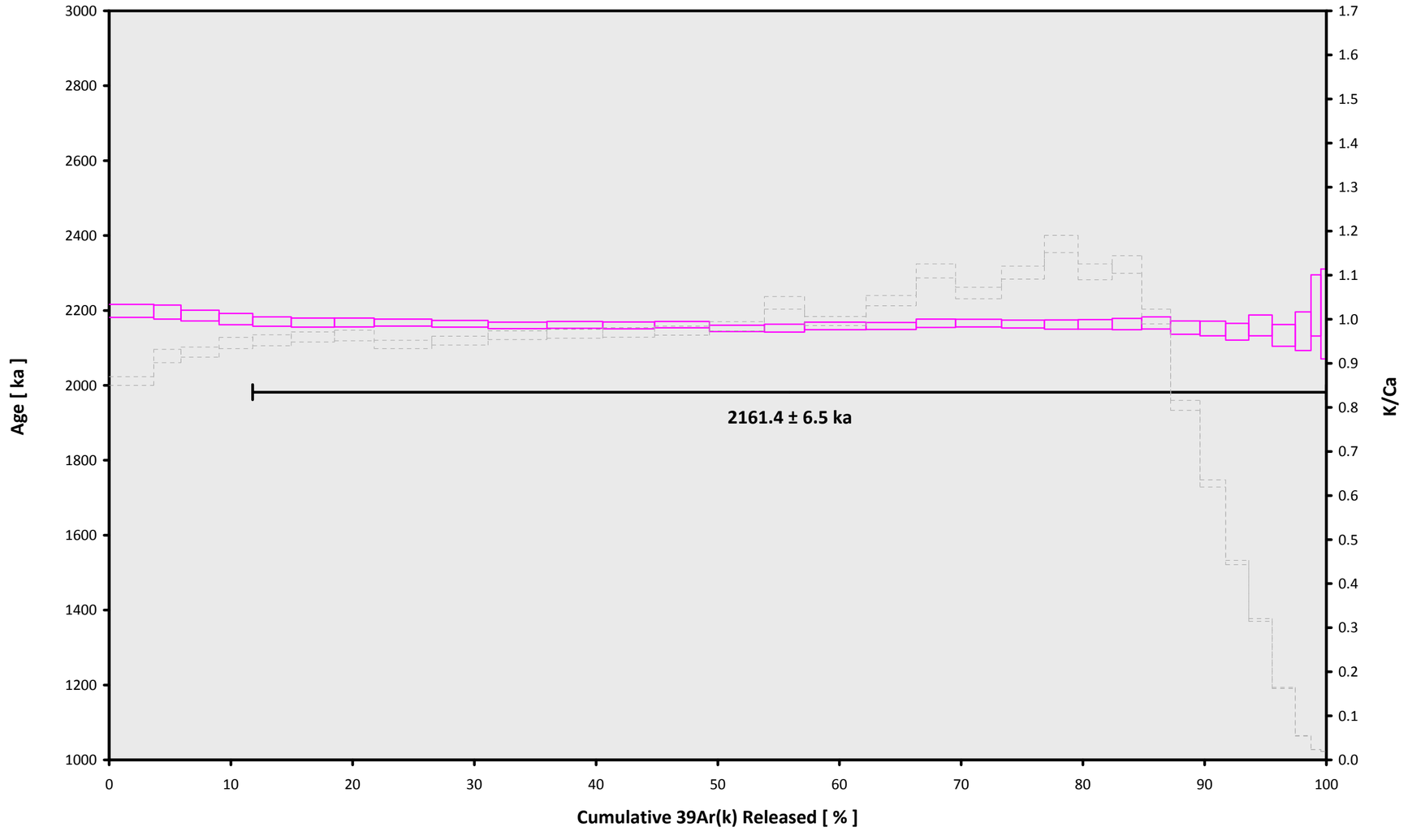
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D06786	1.8 %	0.1588268 ± 0.0006199	0.3831	EXP 150 of 150	6.297320 ± 0.020271	0.7616	EXP 150 of 150	1.2471095 ± 0.0150407	0.1573	EXP 150 of 150	101.248984 ± 0.021749	0.9990	EXP 150 of 150	114.364555 ± 0.026899	0.1904	EXP 150 of 150
16D06788	1.9 %	0.0704801 ± 0.0003849	0.0693	EXP 150 of 150	3.599935 ± 0.019533	0.5021	EXP 149 of 150	0.7815556 ± 0.0171730	0.0553	EXP 149 of 150	61.653888 ± 0.018313	0.9981	EXP 150 of 150	61.435439 ± 0.022285	0.9891	EXP 150 of 150
16D06789	2.0 %	0.0791351 ± 0.0004255	0.0191	EXP 150 of 150	5.022382 ± 0.017024	0.7595	EXP 150 of 150	1.0900989 ± 0.0166637	0.1635	EXP 150 of 150	86.728886 ± 0.020384	0.9988	EXP 150 of 150	79.963147 ± 0.022438	0.9751	EXP 150 of 150
16D06790	2.1 %	0.0582782 ± 0.0003980	0.2033	EXP 150 of 150	4.321797 ± 0.017059	0.6716	EXP 150 of 150	0.9424943 ± 0.0161294	0.1155	EXP 149 of 150	76.327101 ± 0.019439	0.9986	EXP 150 of 150	66.620361 ± 0.021551	0.9874	EXP 150 of 150
16D06792	2.2 %	0.0593363 ± 0.0003545	0.1644	EXP 150 of 150	4.920989 ± 0.019259	0.7200	EXP 150 of 150	1.0826112 ± 0.0188764	0.0862	EXP 150 of 150	87.557933 ± 0.020225	0.9989	EXP 150 of 150	73.902644 ± 0.022129	0.9788	EXP 150 of 150
16D06793	2.4 %	0.0585070 ± 0.0004256	0.1281	EXP 150 of 150	5.488996 ± 0.017303	0.7620	EXP 150 of 150	1.2147429 ± 0.0173266	0.1573	EXP 150 of 150	98.480811 ± 0.022007	0.9990	EXP 150 of 150	80.519420 ± 0.020655	0.9750	EXP 150 of 150
16D06794	2.6 %	0.0473344 ± 0.0003415	0.3816	EXP 150 of 150	5.000086 ± 0.017359	0.7367	EXP 150 of 150	1.0855477 ± 0.0170643	0.0673	EXP 150 of 150	90.120879 ± 0.019546	0.9990	EXP 150 of 150	71.737769 ± 0.020537	0.9850	EXP 150 of 150
16D06796	2.8 %	0.0630794 ± 0.0004058	0.2673	EXP 150 of 150	7.410379 ± 0.018873	0.8324	EXP 150 of 150	1.5703705 ± 0.0166244	0.1323	EXP 150 of 150	130.805451 ± 0.021457	0.9994	EXP 150 of 150	102.359296 ± 0.022512	0.6506	EXP 150 of 150
16D06797	3.0 %	0.0535139 ± 0.0003413	0.4302	EXP 150 of 150	7.168984 ± 0.019723	0.8303	EXP 150 of 150	1.5689871 ± 0.0166610	0.2517	EXP 150 of 150	127.831632 ± 0.022047	0.9994	EXP 150 of 150	97.407813 ± 0.023375	0.8520	EXP 150 of 150
16D06798	3.2 %	0.0499331 ± 0.0003801	0.4351	EXP 150 of 150	7.384163 ± 0.018758	0.8419	EXP 150 of 150	1.6160211 ± 0.0161545	0.1759	EXP 150 of 150	133.433112 ± 0.026778	0.9991	EXP 150 of 150	99.723156 ± 0.022980	0.8247	EXP 149 of 150
16D06800	3.4 %	0.0431713 ± 0.0003754	0.4823	EXP 150 of 150	6.985177 ± 0.018176	0.8277	EXP 150 of 150	1.5281691 ± 0.0180608	0.1326	EXP 150 of 150	126.874910 ± 0.024728	0.9992	EXP 150 of 150	93.540960 ± 0.020866	0.9029	EXP 149 of 150
16D06801	3.6 %	0.0379707 ± 0.0003329	0.5925	EXP 150 of 150	6.454536 ± 0.021168	0.7761	EXP 150 of 150	1.4291561 ± 0.0173555	0.1290	EXP 150 of 150	117.758130 ± 0.020927	0.9993	EXP 150 of 150	86.115778 ± 0.021352	0.9547	EXP 150 of 150
16D06802	3.8 %	0.0414712 ± 0.0003119	0.6250	EXP 150 of 150	6.812743 ± 0.017157	0.8371	EXP 150 of 150	1.5254273 ± 0.0175211	0.1482	EXP 149 of 150	124.848510 ± 0.024213	0.9992	EXP 150 of 150	91.794958 ± 0.021304	0.9288	EXP 150 of 150
16D06804	4.0 %	0.0391754 ± 0.0003219	0.5798	EXP 150 of 150	6.722502 ± 0.018436	0.8172	EXP 150 of 150	1.5315083 ± 0.0179295	0.2030	EXP 150 of 150	124.569826 ± 0.023760	0.9992	EXP 150 of 150	90.576235 ± 0.022558	0.9039	EXP 148 of 150
16D06805	4.3 %	0.0273661 ± 0.0002798	0.7270	EXP 150 of 150	4.660364 ± 0.020529	0.6383	EXP 150 of 150	1.1500157 ± 0.0150416	0.1831	EXP 149 of 150	91.357353 ± 0.020923	0.9989	EXP 150 of 150	66.121607 ± 0.019601	0.9864	EXP 150 of 150
16D06806	4.6 %	0.0432489 ± 0.0004606	0.7945	EXP 150 of 150	7.459831 ± 0.018760	0.8468	EXP 150 of 150	1.6978797 ± 0.0168936	0.2027	EXP 150 of 150	139.862095 ± 0.019898	0.9996	EXP 150 of 150	101.844891 ± 0.099129	0.7972	EXP 150 of 150
16D06808	4.9 %	0.0363555 ± 0.0003282	0.5839	EXP 150 of 150	5.778043 ± 0.017001	0.8118	EXP 149 of 150	1.4020118 ± 0.0154563	0.1649	EXP 149 of 150	113.615557 ± 0.020323	0.9993	EXP 150 of 150	83.240143 ± 0.023258	0.9313	EXP 149 of 150
16D06809	5.2 %	0.0272591 ± 0.0003003	0.6568	EXP 150 of 150	4.253641 ± 0.019375	0.6296	EXP 150 of 150	1.1017312 ± 0.0161785	0.1031	EXP 150 of 150	89.325440 ± 0.021046	0.9988	EXP 150 of 150	65.370681 ± 0.021621	0.9819	EXP 150 of 150
16D06810	5.5 %	0.0385071 ± 0.0003287	0.5552	EXP 150 of 150	5.220078 ± 0.018631	0.7171	EXP 150 of 150	1.3046260 ± 0.0171251	0.2053	EXP 150 of 150	104.405802 ± 0.021226	0.9991	EXP 150 of 150	78.382015 ± 0.020952	0.9639	EXP 150 of 150
16D06812	5.8 %	0.0375622 ± 0.0003115	0.5311	EXP 150 of 150	4.667741 ± 0.018364	0.6929	EXP 150 of 150	1.1902686 ± 0.0177194	0.0813	EXP 150 of 150	97.426529 ± 0.020940	0.9990	EXP 150 of 150	73.694009 ± 0.019338	0.9714	EXP 150 of 150
16D06813	6.2 %	0.0303654 ± 0.0002652	0.6608	EXP 150 of 150	3.450688 ± 0.018929	0.4730	EXP 150 of 150	0.9728506 ± 0.0149977	0.1099	EXP 150 of 150	76.410174 ± 0.021616	0.9983	EXP 150 of 150	58.142523 ± 0.020636	0.9869	EXP 150 of 150
16D06814	6.6 %	0.0377888 ± 0.0002968	0.5328	EXP 150 of 150	3.697497 ± 0.019775	0.5389	EXP 150 of 150	0.9647801 ± 0.0171449	0.0799	EXP 149 of 150	77.308316 ± 0.019260	0.9987	EXP 150 of 150	60.910245 ± 0.019821	0.9862	EXP 150 of 150
16D06816	7.0 %	0.0368232 ± 0.0003264	0.4907	EXP 150 of 150	3.174952 ± 0.018184	0.5401	EXP 150 of 150	0.8614290 ± 0.0160559	0.0889	EXP 150 of 150	67.262597 ± 0.018870	0.9983	EXP 150 of 150	54.257611 ± 0.020196	0.9880	EXP 150 of 150
16D06817	7.6 %	0.0464318 ± 0.0003521	0.3034	EXP 149 of 150	3.464072 ± 0.018496	0.5605	EXP 150 of 150	0.8568350 ± 0.0162695	0.1029	EXP 150 of 150	65.539127 ± 0.019798	0.9980	EXP 150 of 150	55.980253 ± 0.020079	0.9871	EXP 150 of 150
16D06818	8.3 %	0.0630901 ± 0.0004303	0.0515	EXP 150 of 150	4.426597 ± 0.018612	0.6571	EXP 150 of 150	0.8755524 ± 0.0151889	0.0842	EXP 150 of 150	66.802123 ± 0.020715	0.9979	EXP 150 of 150	61.157111 ± 0.021687	0.9799	EXP 150 of 150
16D06820	9.0 %	0.0658014 ± 0.0003887	0.0261	EXP 150 of 150	4.964979 ± 0.018838	0.6845	EXP 150 of 150	0.7548063 ± 0.0155340	0.0093	EXP 150 of 150	58.294684 ± 0.017528	0.9981	EXP 150 of 150	55.968046 ± 0.019448	0.9856	EXP 150 of 150
16D06821	9.8 %	0.0752826 ± 0.0003983	0.0235	EXP 149 of 150	6.261389 ± 0.017578	0.8225	EXP 150 of 150	0.7237975 ± 0.0167320	0.0305	EXP 150 of 150	52.473913 ± 0.019245	0.9970	EXP 150 of 150	54.094110 ± 0.020102	0.9861	EXP 150 of 150
16D06822	11.0 %	0.1193612 ± 0.0005367	0.2624	EXP 150 of 150	8.976132 ± 0.019042	0.8852	EXP 150 of 150	0.7873992 ± 0.0172335	0.0318	EXP 150 of 150	53.325069 ± 0.018963	0.9973	EXP 150 of 150	66.949885 ± 0.020452	0.9638	EXP 149 of 150
16D06824	13.0 %	0.1156697 ± 0.0005529	0.3105	EXP 150 of 150	17.154743 ± 0.018506	0.9677	EXP 150 of 150	0.8085862 ± 0.0178608	0.0830	EXP 150 of 150	52.514919 ± 0.018412	0.9973	EXP 150 of 150	59.608240 ± 0.022486	0.9750	EXP 150 of 150
16D06825	15.5 %	0.1349906 ± 0.0006839	0.3626	EXP 150 of 150	34.969993 ± 0.021697	0.9892	EXP 150 of 150	0.5935366 ± 0.0177693	0.0634	EXP 148 of 150	35.835612 ± 0.017790	0.9944	EXP 150 of 150	43.326075 ± 0.020407	0.9915	EXP 150 of 150
16D06826	18.5 %	0.1557415 ± 0.0005658	0.5548	EXP 150 of 150	51.408314 ± 0.022585	0.9947	EXP 150 of 150	0.3872230 ± 0.0157852	0.0061	EXP 150 of 150	22.746764 ± 0.016269	0.9877	EXP 150 of 150	31.057795 ± 0.019485	0.9954	EXP 150 of 150
16D06828	21.5 %	0.1066948 ± 0.0004932	0.2841	EXP 150 of 150	34.553363 ± 0.020415	0.9904	EXP 150 of 150	0.2515224 ± 0.0164128	0.0068	EXP 150 of 150	12.567374 ± 0.016308	0.9575	EXP 150 of 150	19.607014 ± 0.019533	0.9962	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D06786	1.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06788	1.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06789	2.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06790	2.1 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06792	2.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06793	2.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06794	2.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06796	2.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06797	3.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06798	3.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06800	3.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06801	3.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06802	3.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06804	4.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06805	4.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06806	4.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06808	4.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06809	5.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06810	5.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06812	5.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06813	6.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06814	6.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06816	7.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06817	7.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06818	8.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06820	9.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06821	9.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06822	11.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06824	13.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06825	15.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06826	18.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	01
16D06828	21.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	6.72	French Polynesia\Marquesas (14-INT-06	16D06785	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
16D06786	1.8 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	2	31	1
16D06788	1.9 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	2	53	1
16D06789	2.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	3	5	1
16D06790	2.1 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	3	17	1
16D06792	2.2 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	3	38	1
16D06793	2.4 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	3	48	1
16D06794	2.6 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	3	59	1
16D06796	2.8 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	4	19	1
16D06797	3.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	4	29	1
16D06798	3.2 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	4	39	1
16D06800	3.4 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	4	59	1
16D06801	3.6 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	5	9	1
16D06802	3.8 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	5	19	1
16D06804	4.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	5	39	1
16D06805	4.3 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	5	49	1
16D06806	4.6 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	5	59	1
16D06808	4.9 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	6	18	1
16D06809	5.2 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	6	28	1
16D06810	5.5 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	6	38	1
16D06812	5.8 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	6	58	1
16D06813	6.2 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	7	8	1
16D06814	6.6 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	7	18	1
16D06816	7.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	7	38	1
16D06817	7.6 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	7	48	1
16D06818	8.3 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	7	58	1
16D06820	9.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	8	18	1
16D06821	9.8 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	8	28	1
16D06822	11.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	8	38	1
16D06824	13.0 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	8	58	1
16D06825	15.5 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	9	8	1
16D06826	18.5 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	9	19	1
16D06828	21.5 %	HO-AT-01	Groundmass	Marquesas Islands	FCT-NM (6A3-15)	28.201	0.082	Kuiper et al (2008)	8.66303	0.142	0.00181431	0.142	304.743	0.171	0.99240758	0.071	1	4.8E-14	17	FEB	2016	9	39	1

Irradiation Constants		40/36(a)	%1σ	40/36(c)	%1σ	38/36(a)	%1σ	38/36(c)	%1σ	39/37(ca)	%1σ	38/37(ca)	%1σ	36/37(ca)	%1σ	40/39(k)	%1σ	38/39(k)	%1σ	36/38(cl)	%1σ	K/Ca	%1σ	K/Cl	%1σ	Ca/Cl	%1σ
16D06786	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
16D06788	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
16D06789	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
16D06790	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
16D06792	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
16D06793	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
16D06794	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
16D06796	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
16D06797	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
16D06798	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
16D06800	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
16D06801	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
16D06802	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
16D06804	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
16D06805	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
16D06806	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
16D06808	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
16D06809	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
16D06810	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
16D06812	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
16D06813	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
16D06814	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
16D06816	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
16D06817	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
16D06818	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
16D06820	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
16D06821	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
16D06822	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
16D06824	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
16D06825	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
16D06826	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
16D06828	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

16D06785.AGE >>> HO-AT-01 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
2161.4 ± 6.5
TOTAL FUSION
2164.6 ± 6.6
NORMAL ISOCHRON
2160.2 ± 7.2
INVERSE ISOCHRON
2162.1 ± 7.1

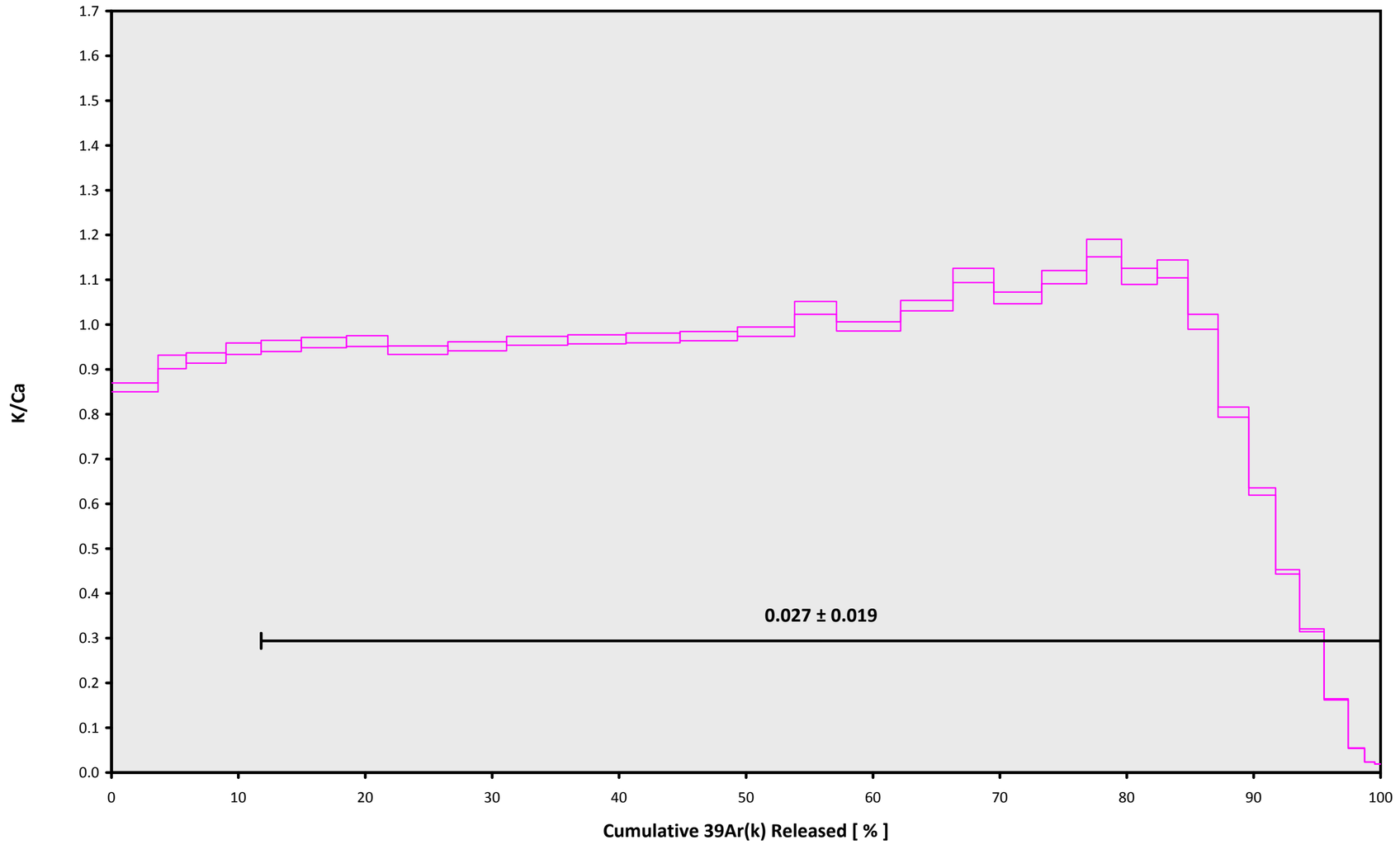
MSWD (PROBABILITY)
1.00 (46%)

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A3-15)
J = 0.00181431 ± 0.00000258

16D06785.AGE >>> HO-AT-01 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
2161.4 ± 6.5
TOTAL FUSION
2164.6 ± 6.6
NORMAL ISOCHRON
2160.2 ± 7.2
INVERSE ISOCHRON
2162.1 ± 7.1

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A3-15)
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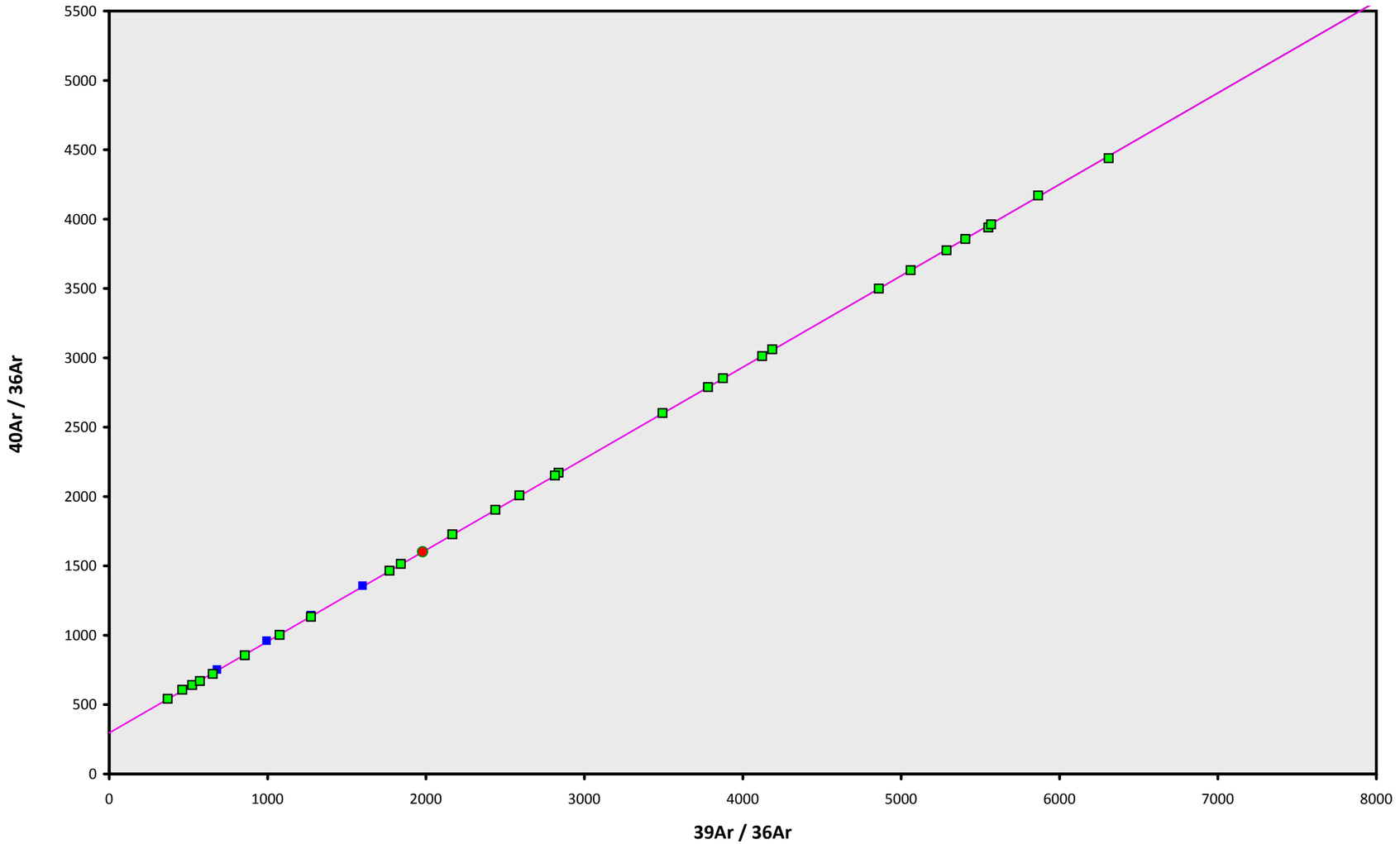
16D06785.AGE >>> HO-AT-01 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
2161.4 ± 6.5
TOTAL FUSION
2164.6 ± 6.6
NORMAL ISOCHRON
2160.2 ± 7.2
INVERSE ISOCHRON
2162.1 ± 7.1

MSWD (PROBABILITY)
1.09 (35%)

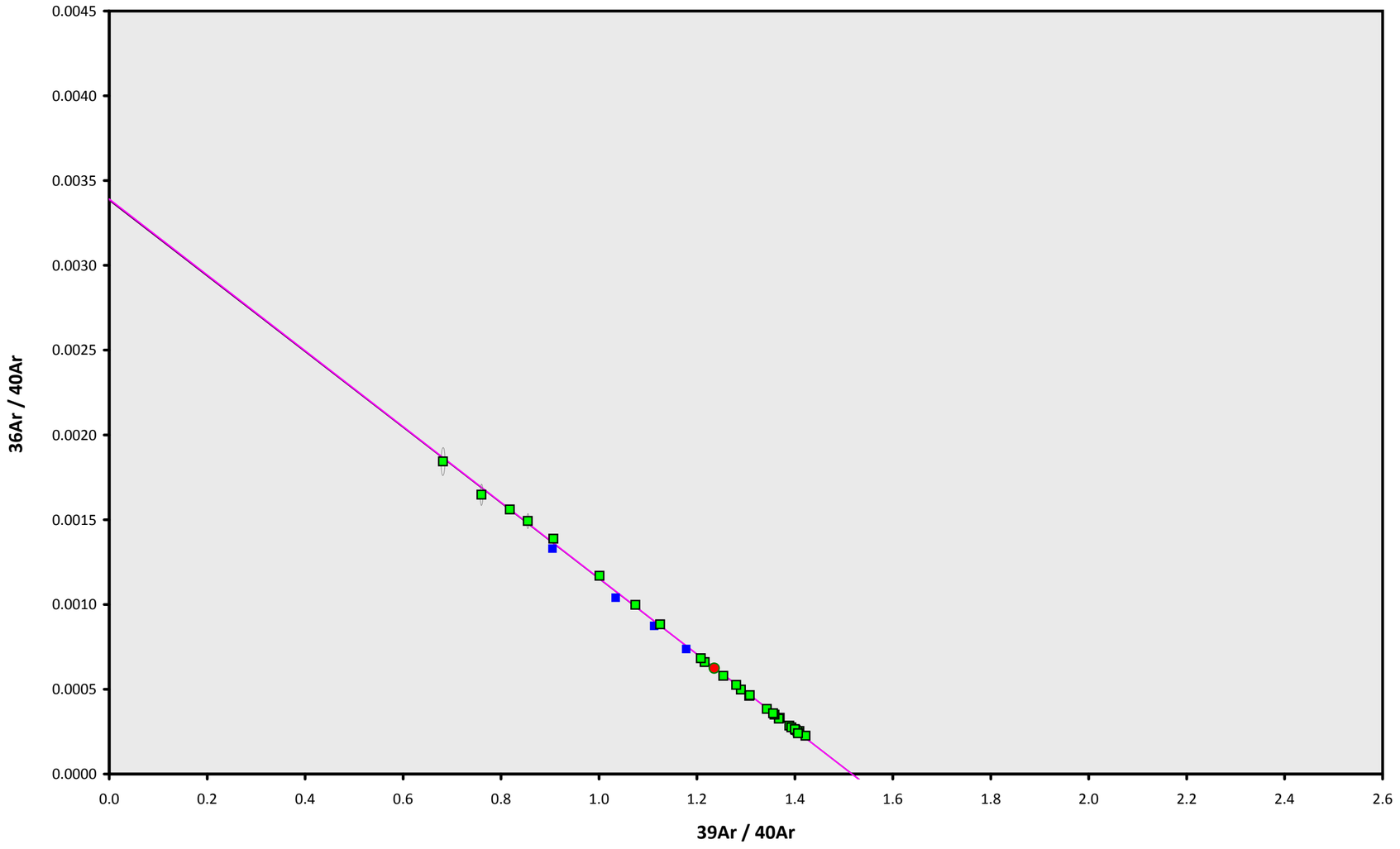
40AR/36AR INTERCEPT
295.8 ± 2.9

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A3-15)
J = 0.00181431 ± 0.00000258

16D06785.AGE >>> HO-AT-01 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
2161.4 ± 6.5
TOTAL FUSION
2164.6 ± 6.6
NORMAL ISOCHRON
2160.2 ± 7.2
INVERSE ISOCHRON
2162.1 ± 7.1

MSWD (PROBABILITY)
1.03 (42%)

SPREADING FACTOR
48.8%

40AR/36AR INTERCEPT
294.9 ± 2.8

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A3-15)
J = 0.00181431 ± 0.00000258