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
16D06737	1.8 %		0.2585392	0.438	52.0796	0.544	1.702067	1.374	141.4328	0.074	149.2099	0.030	0.54010 ± 0.00486	1759.1 ± 15.8	51.18	3.91	1.167 ± 0.013
16D06739	1.9 %		0.2340299	0.429	58.0778	0.518	2.020456	1.183	167.7008	0.074	155.1737	0.030	0.53648 ± 0.00369	1747.4 ± 12.0	57.97	4.63	1.241 ± 0.013
16D06740	2.0 %		0.1310899	0.577	38.2142	0.677	1.397482	1.768	117.4008	0.076	98.6431	0.043	0.53218 ± 0.00398	1733.4 ± 13.0	63.32	3.24	1.321 ± 0.018
16D06741	2.1 %		0.1300032	0.580	41.2464	0.630	1.531688	1.529	128.4782	0.075	104.0930	0.042	0.53275 ± 0.00364	1735.2 ± 11.9	65.74	3.55	1.339 ± 0.017
16D06743	2.2 %		0.1244233	0.565	42.8870	0.596	1.633952	1.538	133.4849	0.075	104.3947	0.041	0.52821 ± 0.00329	1720.4 ± 10.7	67.52	3.69	1.338 ± 0.016
16D06744	2.4 %		0.1337939	0.559	49.4619	0.552	1.847875	1.335	152.8111	0.074	116.9925	0.037	0.52864 ± 0.00307	1721.8 ± 10.0	69.03	4.22	1.328 ± 0.015
16D06745	2.6 %		0.1421835	0.573	56.9733	0.522	2.077543	1.213	173.3552	0.074	129.4568	0.035	0.52656 ± 0.00295	1715.1 ± 9.6	70.50	4.79	1.308 ± 0.014
16D06747	2.8 %		0.0787016	0.811	38.8867	0.679	1.464768	1.728	120.2345	0.076	83.7031	0.051	0.52449 ± 0.00334	1708.3 ± 10.9	75.32	3.32	1.329 ± 0.018
16D06748	3.0 %		0.1045099	0.607	51.5171	0.547	1.799584	1.333	151.0874	0.075	106.9429	0.040	0.52655 ± 0.00269	1715.0 ± 8.8	74.37	4.17	1.261 ± 0.014
16D06749	**3.2 %**	✓	**0.0909537**	**0.681**	**53.4664**	**0.531**	**1.857152**	**1.324**	**152.4177**	**0.074**	**102.9859**	**0.042**	**0.52325 ± 0.00261**	**1704.3 ± 8.5**	**77.42**	**4.21**	**1.226 ± 0.013**
16D06751	3.4 %	✓	0.0898462	0.682	55.7686	0.533	1.829023	1.306	154.5669	0.074	103.7925	0.042	0.52444 ± 0.00256	1708.1 ± 8.3	78.08	4.27	1.191 ± 0.013
16D06752	3.6 %	✓	0.0923314	0.672	69.9351	0.476	2.233876	1.115	181.1448	0.074	117.0704	0.036	0.52237 ± 0.00225	1701.4 ± 7.3	80.81	5.00	1.113 ± 0.011
16D06753	3.8 %	✓	0.0668396	0.893	59.9226	0.511	1.793760	1.298	151.9093	0.074	94.8386	0.046	0.52165 ± 0.00254	1699.1 ± 8.3	83.53	4.20	1.090 ± 0.011
16D06755	4.0 %	✓	0.0633760	0.830	64.8091	0.487	1.823543	1.358	153.6433	0.074	94.3645	0.046	0.52181 ± 0.00227	1699.6 ± 7.4	84.94	4.24	1.019 ± 0.010
16D06756	4.3 %	✓	0.0517906	0.930	56.0708	0.528	1.526014	1.607	127.9501	0.075	77.7328	0.053	0.51873 ± 0.00248	1689.6 ± 8.1	85.36	3.53	0.981 ± 0.010
16D06757	4.6 %	✓	0.0618157	0.839	68.9929	0.477	1.663915	1.448	139.5955	0.074	86.1816	0.049	0.52176 ± 0.00245	1699.4 ± 8.0	84.49	3.86	0.870 ± 0.008
16D06759	4.9 %	✓	0.0402776	1.093	47.6913	0.562	1.128310	2.170	96.3227	0.077	58.5242	0.074	0.51933 ± 0.00300	1691.5 ± 9.8	85.45	2.66	0.868 ± 0.010
16D06760	5.2 %	✓	0.0588363	0.899	63.0148	0.503	1.318053	1.901	109.9382	0.076	70.1249	0.060	0.52120 ± 0.00309	1697.6 ± 10.1	81.68	3.04	0.750 ± 0.008
16D06761	5.5 %	✓	0.0605072	0.917	64.2996	0.485	1.242153	1.888	102.8037	0.076	66.4243	0.063	0.51782 ± 0.00343	1686.6 ± 11.2	80.11	2.84	0.687 ± 0.007
16D06763	5.8 %	✓	0.0480002	1.037	52.1393	0.530	0.944216	2.561	79.2112	0.080	51.6562	0.081	0.52127 ± 0.00400	1697.9 ± 13.0	79.90	2.19	0.653 ± 0.007
16D06764	6.2 %	✓	0.0514532	1.031	53.0577	0.549	0.909188	2.647	75.2431	0.081	50.2124	0.082	0.51718 ± 0.00444	1684.5 ± 14.5	77.46	2.08	0.610 ± 0.007
16D06765	6.6 %	✓	0.0526599	0.990	51.4856	0.555	0.806685	3.118	68.7572	0.081	47.5386	0.088	0.52045 ± 0.00478	1695.2 ± 15.6	75.24	1.90	0.574 ± 0.006
16D06767	7.0 %		0.0649983	0.811	57.1955	0.523	0.837151	2.977	70.1143	0.083	51.1991	0.082	0.51694 ± 0.00474	1683.7 ± 15.4	70.75	1.94	0.527 ± 0.006
16D06768	7.6 %		0.0801936	0.739	66.2407	0.484	0.946944	2.669	75.3037	0.080	57.3569	0.075	0.51271 ± 0.00491	1670.0 ± 16.0	67.27	2.08	0.489 ± 0.005
16D06769	8.3 %		0.1061986	0.657	87.4133	0.433	1.101063	2.196	86.9750	0.078	69.5551	0.062	0.51454 ± 0.00497	1675.9 ± 16.2	64.30	2.40	0.428 ± 0.004
16D06771	9.0 %		0.1242421	0.578	110.2922	0.413	1.207377	2.089	94.8155	0.077	77.0528	0.054	0.51359 ± 0.00471	1672.8 ± 15.3	63.15	2.62	0.369 ± 0.003
16D06772	9.8 %		0.1558228	0.541	146.4329	0.395	1.432729	1.716	109.8773	0.076	90.7201	0.048	0.50813 ± 0.00476	1655.1 ± 15.5	61.49	3.03	0.322 ± 0.003
16D06773	11.0 %		0.1623773	0.494	170.7013	0.387	1.425464	1.816	111.2906	0.076	91.1189	0.046	0.50503 ± 0.00452	1645.0 ± 14.7	61.62	3.07	0.280 ± 0.002
16D06775	13.0 %		0.1765564	0.497	241.2608	0.379	1.174960	2.055	88.4873	0.078	78.0059	0.053	0.50365 ± 0.00625	1640.5 ± 20.4	57.03	2.44	0.157 ± 0.001
16D06776	15.5 %		0.1957408	0.474	365.0065	0.372	0.862881	2.860	60.2200	0.085	60.0133	0.068	0.51140 ± 0.01005	1665.7 ± 32.7	51.11	1.66	0.071 ± 0.001
16D06777	18.5 %		0.1843727	0.490	390.5235	0.372	0.613583	4.041	35.8366	0.102	45.3106	0.090	0.60244 ± 0.01673	1962.1 ± 54.5	47.30	0.98	0.039 ± 0.000
16D06779	21.5 %		0.0607925	0.852	114.9332	0.411	0.221811	11.217	9.2495	0.284	13.7833	0.298	0.52696 ± 0.03574	1716.4 ± 116.4	35.07	0.25	0.034 ± 0.000
		Σ	3.4772570	0.113	2939.9978	0.097	44.375268	0.313	3621.6590	0.014	2704.1724	0.009					

Information on Analysis and Constants Used in Calculations

Project = **MARQUESAS (14-INT-06)**
Sample = **HO-PUA-02**
Material = **Groundmass**
Location = **Marquesas Islands**
Region = **French Polynesia**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-06 (6A6-15)**
Position = **X: 0 | Y: 0 | Z/H: 12.8 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al., (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.72203 ± 0.01230**
FCT-NM J-value = **0.00180203 ± 0.00000254**
Air Shot 40Ar/36Ar = **304.7330 ± 0.5241**
Air Shot MDF = **0.99241555 ± 0.00071083 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **In Situ Laser Melting**
Heating = **77 sec**
Isolation = **3.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IEKK1-HO-PUA-02**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **9°45.6'S - 138°52.8'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		0.52131 ± 0.00109	**1698.0 ± 6.0**	1.94	44.01	0.797 ± 0.116
Error Mean		± 0.21%	**± 0.35%**	3%	13	
		Full External Error ± 38.8		1.82	2σ Confidence Limit	
		Analytical Error ± 3.5		1.3921	Error Magnification	
Total Fusion Age		0.52331 ± 0.00069	**1704.5 ± 5.3**		32	0.529 ± 0.001
		± 0.13%	**± 0.31%**			
		Full External Error ± 38.8				
		Analytical Error ± 2.2				
Normal Isochron	**304.25 ± 12.96**	0.51791 ± 0.00505	**1686.9 ± 17.1**	1.81	44.01	
	± 4.26%	± 0.98%	**± 1.02%**	5%	13	
		Full External Error ± 41.7		1.85	2σ Confidence Limit	
		Analytical Error ± 16.5		1.3454	Error Magnification	
				62	Number of Iterations	
				0.0000050545	Convergence	
Inverse Isochron	**304.86 ± 12.84**	0.51775 ± 0.00499	**1686.4 ± 16.9**	1.76	44.01	
	± 4.21%	± 0.96%	**± 1.00%**	6%	13	
		Full External Error ± 41.7		1.85	2σ Confidence Limit	
		Analytical Error ± 16.2		1.3257	Error Magnification	
				3	Number of Iterations	
				0.0006511589	Convergence	
				10%	Spreading Factor	

Notes
The groundmass is clearly K rich and produced a long, high precision age spectrum. The sample displays a gradually decreasing apparent age. The decision on where to start the plateau was slightly subjective, however the resulting age doesn't vary more tha

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
16D06737	1.8 %		0.2446705	52.0796	0.0000000	141.3977	76.3692	1759.1 ± 15.8	51.18	3.91	1.167 ± 0.013
16D06739	1.9 %		0.2185637	58.0778	0.0000000	167.6615	89.9471	1747.4 ± 12.0	57.97	4.63	1.241 ± 0.013
16D06740	2.0 %		0.1209134	38.2142	0.0000000	117.3750	62.4645	1733.4 ± 13.0	63.32	3.24	1.321 ± 0.018
16D06741	2.1 %		0.1190193	41.2464	0.0000000	128.4503	68.4317	1735.2 ± 11.9	65.74	3.55	1.339 ± 0.017
16D06743	2.2 %		0.1130018	42.8870	0.0041438	133.4560	70.4924	1720.4 ± 10.7	67.52	3.69	1.338 ± 0.016
16D06744	2.4 %		0.1206222	49.4619	0.0000000	152.7777	80.7646	1721.8 ± 10.0	69.03	4.22	1.328 ± 0.015
16D06745	2.6 %		0.1270115	56.9733	0.0000000	173.3167	91.2624	1715.1 ± 9.6	70.50	4.79	1.308 ± 0.014
16D06747	2.8 %		0.0683456	38.8867	0.0029774	120.2082	63.0474	1708.3 ± 10.9	75.32	3.32	1.329 ± 0.018
16D06748	3.0 %		0.0907909	51.5171	0.0000000	151.0526	79.5367	1715.0 ± 8.8	74.37	4.17	1.261 ± 0.014
16D06749	3.2 %	✓	0.0767147	53.4664	0.0056722	152.3815	79.7341	1704.3 ± 8.5	77.42	4.21	1.226 ± 0.013
16D06751	3.4 %	✓	0.0749950	55.7686	0.0000000	154.5292	81.0407	1708.1 ± 8.3	78.08	4.27	1.191 ± 0.013
16D06752	3.6 %	✓	0.0737015	69.9351	0.0362959	181.0975	94.5992	1701.4 ± 7.3	80.81	5.00	1.113 ± 0.011
16D06753	3.8 %	✓	0.0508822	59.9226	0.0000000	151.8688	79.2223	1699.1 ± 8.3	83.53	4.20	1.090 ± 0.011
16D06755	4.0 %	✓	0.0461174	64.8091	0.0000000	153.5995	80.1496	1699.6 ± 7.4	84.94	4.24	1.019 ± 0.010
16D06756	4.3 %	✓	0.0368590	56.0708	0.0000000	127.9122	66.3519	1689.6 ± 8.1	85.36	3.53	0.981 ± 0.010
16D06757	4.6 %	✓	0.0434429	68.9929	0.0000000	139.5489	72.8107	1699.4 ± 8.0	84.49	3.86	0.870 ± 0.008
16D06759	4.9 %	✓	0.0275774	47.6913	0.0000000	96.2905	50.0070	1691.5 ± 9.8	85.45	2.66	0.868 ± 0.010
16D06760	5.2 %	✓	0.0420554	63.0148	0.0000000	109.8956	57.2774	1697.6 ± 10.1	81.68	3.04	0.750 ± 0.008
16D06761	5.5 %	✓	0.0433842	64.2996	0.0000000	102.7603	53.2114	1686.6 ± 11.2	80.11	2.84	0.687 ± 0.007
16D06763	5.8 %	✓	0.0341155	52.1393	0.0000000	79.1760	41.2724	1697.9 ± 13.0	79.90	2.19	0.653 ± 0.007
16D06764	6.2 %	✓	0.0373239	53.0577	0.0000000	75.2072	38.8956	1684.5 ± 14.5	77.46	2.08	0.610 ± 0.007
16D06765	6.6 %	✓	0.0389493	51.4856	0.0000000	68.7224	35.7663	1695.2 ± 15.6	75.24	1.90	0.574 ± 0.006
16D06767	7.0 %		0.0497671	57.1955	0.0000000	70.0757	36.2250	1683.7 ± 15.4	70.75	1.94	0.527 ± 0.006
16D06768	7.6 %		0.0625494	66.2407	0.0250567	75.2590	38.5859	1670.0 ± 16.0	67.27	2.08	0.489 ± 0.005
16D06769	8.3 %		0.0829148	87.4133	0.0336039	86.9159	44.7215	1675.9 ± 16.2	64.30	2.40	0.428 ± 0.004
16D06771	9.0 %		0.0948642	110.2922	0.0418999	94.7409	48.6583	1672.8 ± 15.3	63.15	2.62	0.369 ± 0.003
16D06772	9.8 %		0.1168142	146.4329	0.0796392	109.7783	55.7819	1655.1 ± 15.5	61.49	3.03	0.322 ± 0.003
16D06773	11.0 %		0.1169104	170.7013	0.0538082	111.1752	56.1468	1645.0 ± 14.7	61.62	3.07	0.280 ± 0.002
16D06775	13.0 %		0.1122961	241.2608	0.0740198	88.3243	44.4848	1640.5 ± 20.4	57.03	2.44	0.157 ± 0.001
16D06776	15.5 %		0.0985232	365.0065	0.0967201	59.9734	30.6704	1665.7 ± 32.7	51.11	1.66	0.071 ± 0.001
16D06777	18.5 %		0.0803521	390.5235	0.1425500	35.5728	21.4306	1962.1 ± 54.5	47.30	0.98	0.039 ± 0.000
16D06779	21.5 %		0.0301692	114.9332	0.0975738	9.1718	4.8332	1716.4 ± 116.4	35.07	0.25	0.034 ± 0.000
		Σ	2.6942179	2939.9978	0.6939609	3619.6728	1894.1930				

Information on Analysis

Project = **MARQUESAS (14-INT-06)**
Sample = **HO-PUA-02**
Material = **Groundmass**
Location = **Marquesas Islands**
Region = **French Polynesia**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-06 (6A6-15)**
J = **0.00180203 ± 0.00000254**
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	0.52131	± 0.00109	**1698.0**	**± 6.0**	1.94	44.01	0.797 ± 0.116
Error Mean		± 0.21%		**± 0.35%**	3%	13	
			Full External Error	± 38.8	1.82	2σ Confidence Limit	
			Analytical Error	± 3.5	1.3921	Error Magnification	
Total Fusion Age	0.52331	± 0.00069	**1704.5**	**± 5.3**		32	0.529 ± 0.001
		± 0.13%		**± 0.31%**			
			Full External Error	± 38.8			
			Analytical Error	± 2.2			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D06737	1.8 %		577.91 ± 5.43	607.63 ± 5.65	0.9851
16D06739	1.9 %		767.11 ± 7.17	707.04 ± 6.54	0.9851
16D06740	2.0 %		970.74 ± 12.29	812.11 ± 10.23	0.9902
16D06741	2.1 %		1079.24 ± 13.82	870.46 ± 11.10	0.9907
16D06743	2.2 %		1181.01 ± 14.86	919.32 ± 11.51	0.9905
16D06744	2.4 %		1266.58 ± 15.91	965.07 ± 12.06	0.9910
16D06745	2.6 %		1364.57 ± 17.72	1014.04 ± 13.11	0.9919
16D06747	2.8 %		1758.83 ± 33.18	1217.98 ± 22.94	0.9952
16D06748	3.0 %		1663.74 ± 23.56	1171.54 ± 16.53	0.9926
16D06749	3.2 %	✓	1986.34 ± 32.45	1334.86 ± 21.75	0.9943
16D06751	3.4 %	✓	2060.53 ± 34.11	1376.11 ± 22.72	0.9945
16D06752	3.6 %	✓	2457.18 ± 42.01	1579.05 ± 26.93	0.9952
16D06753	3.8 %	✓	2984.72 ± 70.87	1852.48 ± 43.93	0.9972
16D06755	4.0 %	✓	3330.62 ± 77.16	2033.45 ± 47.06	0.9970
16D06756	4.3 %	✓	3470.31 ± 92.16	2095.66 ± 55.61	0.9975
16D06757	4.6 %	✓	3212.23 ± 78.00	1971.51 ± 47.83	0.9972
16D06759	4.9 %	✓	3491.65 ± 113.14	2108.83 ± 68.33	0.9978
16D06760	5.2 %	✓	2613.11 ± 66.73	1657.45 ± 42.30	0.9970
16D06761	5.5 %	✓	2368.61 ± 61.40	1522.02 ± 39.44	0.9970
16D06763	5.8 %	✓	2320.82 ± 68.63	1505.28 ± 44.52	0.9970
16D06764	6.2 %	✓	2014.99 ± 58.03	1337.61 ± 38.53	0.9967
16D06765	6.6 %	✓	1764.41 ± 47.87	1213.78 ± 32.95	0.9960
16D06767	7.0 %		1408.07 ± 30.29	1023.39 ± 22.01	0.9940
16D06768	7.6 %		1203.19 ± 23.13	912.39 ± 17.54	0.9934
16D06769	8.3 %		1048.26 ± 17.92	834.87 ± 14.25	0.9931
16D06771	9.0 %		998.70 ± 15.44	808.43 ± 12.47	0.9924
16D06772	9.8 %		939.77 ± 13.91	773.03 ± 11.40	0.9923
16D06773	11.0 %		950.94 ± 13.49	775.75 ± 10.97	0.9920
16D06775	13.0 %		786.53 ± 12.89	691.64 ± 11.31	0.9932
16D06776	15.5 %		608.72 ± 12.48	606.80 ± 12.43	0.9942
16D06777	18.5 %		442.71 ± 11.00	562.21 ± 13.96	0.9939
16D06779	21.5 %		304.01 ± 10.92	455.70 ± 16.39	0.9735

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**304.25 ± 12.96**	0.51791 ± 0.00505	**1686.9 ± 17.1**	1.81
	± 4.26%	± 0.98%	**± 1.02%**	5%
			Full External Error ± 41.7	
			Analytical Error ± 16.5	

Statistics				
	2σ Confidence Limit	1.85	Convergence	0.000005054524
	Error Magnification	1.3454	Number of Iterations	62
	Number of Data Points	13	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D06737	1.8 %		0.9510883 ± 0.0015402	0.00164574 ± 0.00001531	0.0267
16D06739	1.9 %		1.0849585 ± 0.0017461	0.00141435 ± 0.00001308	0.0269
16D06740	2.0 %		1.1953329 ± 0.0021112	0.00123137 ± 0.00001552	0.0358
16D06741	2.1 %		1.2398451 ± 0.0021581	0.00114881 ± 0.00001465	0.0350
16D06743	2.2 %		1.2846576 ± 0.0022212	0.00108776 ± 0.00001362	0.0344
16D06744	2.4 %		1.3124278 ± 0.0022136	0.00103620 ± 0.00001295	0.0298
16D06745	2.6 %		1.3456863 ± 0.0022233	0.00098616 ± 0.00001275	0.0261
16D06747	2.8 %		1.4440538 ± 0.0026665	0.00082103 ± 0.00001546	0.0323
16D06748	3.0 %		1.4201291 ± 0.0024405	0.00085358 ± 0.00001204	0.0300
16D06749	3.2 %	✓	1.4880531 ± 0.0025827	0.00074914 ± 0.00001220	0.0287
16D06751	3.4 %	✓	1.4973519 ± 0.0025984	0.00072668 ± 0.00001200	0.0281
16D06752	3.6 %	✓	1.5561143 ± 0.0026031	0.00063329 ± 0.00001080	0.0223
16D06753	3.8 %	✓	1.6112041 ± 0.0028674	0.00053982 ± 0.00001280	0.0228
16D06755	4.0 %	✓	1.6379177 ± 0.0029171	0.00049178 ± 0.00001138	0.0232
16D06756	4.3 %	✓	1.6559554 ± 0.0030955	0.00047718 ± 0.00001266	0.0249
16D06757	4.6 %	✓	1.6293279 ± 0.0029666	0.00050723 ± 0.00001230	0.0249
16D06759	4.9 %	✓	1.6557258 ± 0.0035985	0.00047420 ± 0.00001537	0.0331
16D06760	5.2 %	✓	1.5765871 ± 0.0031083	0.00060334 ± 0.00001540	0.0314
16D06761	5.5 %	✓	1.5562325 ± 0.0031319	0.00065702 ± 0.00001702	0.0330
16D06763	5.8 %	✓	1.5417821 ± 0.0035535	0.00066433 ± 0.00001965	0.0407
16D06764	6.2 %	✓	1.5064096 ± 0.0035020	0.00074760 ± 0.00002153	0.0416
16D06765	6.6 %	✓	1.4536472 ± 0.0035214	0.00082387 ± 0.00002236	0.0490
16D06767	7.0 %		1.3758890 ± 0.0032345	0.00097714 ± 0.00002102	0.0552
16D06768	7.6 %		1.3187314 ± 0.0029197	0.00109603 ± 0.00002107	0.0544
16D06769	8.3 %		1.2555967 ± 0.0025257	0.00119780 ± 0.00002045	0.0464
16D06771	9.0 %		1.2353651 ± 0.0023561	0.00123697 ± 0.00001908	0.0422
16D06772	9.8 %		1.2157006 ± 0.0022251	0.00129362 ± 0.00001908	0.0372
16D06773	11.0 %		1.2258302 ± 0.0021985	0.00128907 ± 0.00001823	0.0362
16D06775	13.0 %		1.1371992 ± 0.0021769	0.00144584 ± 0.00002364	0.0382
16D06776	15.5 %		1.0031675 ± 0.0022155	0.00164798 ± 0.00003375	0.0424
16D06777	18.5 %		0.7874503 ± 0.0021651	0.00177870 ± 0.00004415	0.0487
16D06779	21.5 %		0.6671299 ± 0.0055223	0.00219441 ± 0.00007892	0.1197

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	**304.86 ± 12.84** **± 4.21%**	0.51775 ± 0.00499 ± 0.96%	**1686.4 ± 16.9** **± 1.00%**	1.76 6%
			Full External Error ± 41.7	
			Analytical Error ± 16.2	

Statistics				
2σ Confidence Limit	1.85	Convergence	0.0006511589
Error Magnification	1.3257	Number of Iterations	3
Number of Data Points	13	Calculated Line	Weighted York-2
Spreading Factor	10.5%		

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]
16D06737	1.8 %		0.2446705	0.46	0.0000000	0.00	0.0138688	0.56	0.0000000	0.00	52.0796	0.54	0.0457289	0.46	0.0000000	0.00	1.701155	0.18	0.0037393	12.83	0.0000000	0.00	141.3977	0.07	0.0351850	1.43	76.3692	0.44	72.30012	0.46	0.0000000	0.00	0.540563
16D06739	1.9 %		0.2185637	0.46	0.0000000	0.00	0.0154661	0.54	0.0000000	0.00	58.0778	0.52	0.0408496	0.46	0.0000000	0.00	2.017136	0.18	0.0041700	12.83	0.0000000	0.00	167.6615	0.07	0.0392373	1.42	89.9471	0.34	64.58559	0.46	0.0000000	0.00	0.640970
16D06740	2.0 %		0.1209134	0.63	0.0000000	0.00	0.0101764	0.69	0.0000000	0.00	38.2142	0.68	0.0225987	0.63	0.0000000	0.00	1.412139	0.18	0.0027438	12.84	0.0000000	0.00	117.3750	0.08	0.0258175	1.48	62.4645	0.37	35.72992	0.63	0.0000000	0.00	0.448725
16D06741	2.1 %		0.1190193	0.64	0.0000000	0.00	0.0109839	0.65	0.0000000	0.00	41.2464	0.63	0.0222447	0.64	0.0000000	0.00	1.545386	0.18	0.0029615	12.84	0.0000000	0.00	128.4503	0.08	0.0278661	1.46	68.4317	0.33	35.17020	0.64	0.0000000	0.00	0.491066
16D06743	2.2 %		0.1130018	0.62	0.0000000	0.00	0.0114208	0.61	0.0000007	610.46	42.8870	0.60	0.0211200	0.62	0.0000000	0.00	1.605609	0.18	0.0030793	12.83	0.0041438	610.46	133.4560	0.07	0.0289745	1.45	70.4924	0.30	33.39204	0.62	0.0000000	0.00	0.510202
16D06744	2.4 %		0.1206222	0.62	0.0000000	0.00	0.0131717	0.57	0.0000000	0.00	49.4619	0.55	0.0225443	0.62	0.0000000	0.00	1.838068	0.18	0.0035514	12.83	0.0000000	0.00	152.7777	0.07	0.0334165	1.43	80.7646	0.28	35.64387	0.62	0.0000000	0.00	0.584069
16D06745	2.6 %		0.1270115	0.65	0.0000000	0.00	0.0151720	0.54	0.0000000	0.00	56.9733	0.52	0.0237384	0.65	0.0000000	0.00	2.085173	0.18	0.0040907	12.83	0.0000000	0.00	173.3167	0.07	0.0384912	1.42	91.2624	0.27	37.53190	0.65	0.0000000	0.00	0.662590
16D06747	2.8 %		0.0683456	0.94	0.0000000	0.00	0.0103555	0.69	0.0000005	854.61	38.8867	0.68	0.0127738	0.94	0.0000000	0.00	1.446225	0.18	0.0027921	12.84	0.0029774	854.61	120.2082	0.08	0.0262718	1.48	63.0474	0.31	20.19612	0.94	0.0000000	0.00	0.459556
16D06748	3.0 %		0.0907909	0.70	0.0000000	0.00	0.0137190	0.57	0.0000000	0.00	51.5171	0.55	0.0169688	0.70	0.0000000	0.00	1.817314	0.18	0.0036989	12.83	0.0000000	0.00	151.0526	0.07	0.0348050	1.43	79.5367	0.24	26.82870	0.70	0.0000000	0.00	0.577474
16D06749	3.2 %	✓	0.0767147	0.81	0.0000000	0.00	0.0142381	0.55	0.0000010	437.35	53.4664	0.53	0.0143380	0.81	0.0000000	0.00	1.833302	0.18	0.0038389	12.83	0.0056722	437.35	152.3815	0.07	0.0361219	1.42	79.7341	0.24	22.66918	0.81	0.0000000	0.00	0.582555
16D06751	3.4 %	✓	0.0749950	0.82	0.0000000	0.00	0.0148512	0.55	0.0000000	0.00	55.7686	0.53	0.0140166	0.82	0.0000000	0.00	1.859141	0.18	0.0040042	12.83	0.0000000	0.00	154.5292	0.07	0.0376773	1.42	81.0407	0.23	22.16103	0.82	0.0000000	0.00	0.590765
16D06752	3.6 %	✓	0.0737015	0.85	0.0000000	0.00	0.0186237	0.50	0.0000061	69.45	69.9351	0.48	0.0137748	0.85	0.0000000	0.00	2.178784	0.18	0.0050213	12.83	0.0362959	69.46	181.0975	0.07	0.0472482	1.40	94.5992	0.20	21.77879	0.85	0.0000000	0.00	0.692336
16D06753	3.8 %	✓	0.0508822	1.18	0.0000000	0.00	0.0159574	0.53	0.0000000	0.00	59.9226	0.51	0.0095099	1.18	0.0000000	0.00	1.827134	0.18	0.0043024	12.83	0.0000000	0.00	151.8688	0.07	0.0404837	1.42	79.2223	0.23	15.03568	1.18	0.0000000	0.00	0.580595
16D06755	4.0 %	✓	0.0461174	1.16	0.0000000	0.00	0.0172587	0.51	0.0000000	0.00	64.8091	0.49	0.0086193	1.16	0.0000000	0.00	1.847955	0.18	0.0046533	12.83	0.0000000	0.00	153.5995	0.07	0.0437850	1.41	80.1496	0.20	13.62768	1.16	0.0000000	0.00	0.587211
16D06756	4.3 %	✓	0.0368590	1.33	0.0000000	0.00	0.0149317	0.55	0.0000000	0.00	56.0708	0.53	0.0068889	1.33	0.0000000	0.00	1.538912	0.18	0.0040259	12.83	0.0000000	0.00	127.9122	0.08	0.0378814	1.42	66.3519	0.23	10.89183	1.33	0.0000000	0.00	0.489008
16D06757	4.6 %	✓	0.0434429	1.21	0.0000000	0.00	0.0183728	0.50	0.0000000	0.00	68.9929	0.48	0.0081195	1.21	0.0000000	0.00	1.678913	0.18	0.0049537	12.83	0.0000000	0.00	139.5489	0.07	0.0466116	1.40	72.8107	0.22	12.83738	1.21	0.0000000	0.00	0.533495
16D06759	4.9 %	✓	0.0275774	1.62	0.0000000	0.00	0.0127002	0.58	0.0000000	0.00	47.6913	0.56	0.0051542	1.62	0.0000000	0.00	1.158471	0.18	0.0034242	12.83	0.0000000	0.00	96.2905	0.08	0.0322202	1.43	50.0070	0.28	8.14912	1.62	0.0000000	0.00	0.368119
16D06760	5.2 %	✓	0.0420554	1.27	0.0000000	0.00	0.0167808	0.52	0.0000000	0.00	63.0148	0.50	0.0078602	1.27	0.0000000	0.00	1.322154	0.18	0.0045245	12.83	0.0000000	0.00	109.8956	0.08	0.0425728	1.41	57.2774	0.29	12.42738	1.27	0.0000000	0.00	0.420131
16D06761	5.5 %	✓	0.0433842	1.29	0.0000000	0.00	0.0171230	0.51	0.0000000	0.00	64.2996	0.48	0.0081085	1.29	0.0000000	0.00	1.236309	0.18	0.0046167	12.83	0.0000000	0.00	102.7603	0.08	0.0434408	1.41	53.2114	0.32	12.82004	1.29	0.0000000	0.00	0.392853
16D06763	5.8 %	✓	0.0341155	1.48	0.0000000	0.00	0.0138847	0.55	0.0000000	0.00	52.1393	0.53	0.0063762	1.48	0.0000000	0.00	0.952566	0.18	0.0037436	12.83	0.0000000	0.00	79.1760	0.08	0.0352253	1.42	41.2724	0.38	10.08113	1.48	0.0000000	0.00	0.302690
16D06764	6.2 %	✓	0.0373239	1.44	0.0000000	0.00	0.0141293	0.57	0.0000000	0.00	53.0577	0.55	0.0069758	1.44	0.0000000	0.00	0.904818	0.18	0.0038095	12.83	0.0000000	0.00	75.2072	0.08	0.0358458	1.43	38.8956	0.42	11.02921	1.44	0.0000000	0.00	0.287517
16D06765	6.6 %	✓	0.0389493	1.35	0.0000000	0.00	0.0137106	0.58	0.0000000	0.00	51.4856	0.56	0.0072796	1.35	0.0000000	0.00	0.826799	0.18	0.0036967	12.83	0.0000000	0.00	68.7224	0.08	0.0347837	1.43	35.7663	0.45	11.50951	1.35	0.0000000	0.00	0.262726
16D06767	7.0 %		0.0497671	1.07	0.0000000	0.00	0.0152312	0.54	0.0000000	0.00	57.1955	0.52	0.0093015	1.07	0.0000000	0.00	0.843080	0.18	0.0041066	12.83	0.0000000	0.00	70.0757	0.08	0.0386413	1.42	36.2250	0.45	14.70619	1.07	0.0000000	0.00	0.267899
16D06768	7.6 %		0.0625494	0.96	0.0000000	0.00	0.0176399	0.51	0.0000042	101.10	66.2407	0.48	0.0116905	0.96	0.0000000	0.00	0.905441	0.18	0.0047561	12.83	0.0250567	101.10	75.2590	0.08	0.0447522	1.41	38.5859	0.47	18.48336	0.96	0.0000000	0.00	0.287715
16D06769	8.3 %		0.0829148	0.85	0.0000000	0.00	0.0232782	0.46	0.0000057	72.20	87.4133	0.43	0.0154968	0.85	0.0000000	0.00	1.045686	0.18	0.0062763	12.83	0.0336039	72.21	86.9159	0.08	0.0590564	1.39	44.7215	0.48	24.50132	0.85	0.0000000	0.00	0.332280
16D06771	9.0 %		0.0948642	0.77	0.0000000	0.00	0.0293708	0.44	0.0000071	60.46	110.2922	0.41	0.0177301	0.77	0.0000000	0.00	1.139828	0.18	0.0079190	12.83	0.0418999	60.46	94.7409	0.08	0.0745134	1.38	48.6583	0.45	28.03237	0.77	0.0000000	0.00	0.362195
16D06772	9.8 %		0.1168142	0.74	0.0000000	0.00	0.0389951	0.42	0.0000135	31.08	146.4329	0.39	0.0218326	0.74	0.0000000	0.00	1.320743	0.18	0.0105139	12.83	0.0796392	31.09	109.7783	0.08	0.0989301	1.38	55.7819	0.46	34.51860	0.74	0.0000000	0.00	0.419683
16D06773	11.0 %		0.1169104	0.71	0.0000000	0.00	0.0454577	0.42	0.0000091	48.42	170.7013	0.39	0.0218506	0.71	0.0000000	0.00	1.337549	0.18	0.0122564	12.83	0.0538082	48.43	111.1752	0.08	0.1153258	1.38	56.1468	0.44	34.54703	0.71	0.0000000	0.00	0.425023
16D06775	13.0 %		0.1122961	0.82	0.0000000	0.00	0.0642477	0.41	0.0000126	32.87	241.2608	0.38	0.0209881	0.82	0.0000000	0.00	1.062629	0.18	0.0173225	12.83	0.0740198	32.89	88.3243	0.08	0.1629958	1.37	44.4848	0.62	33.18349	0.82	0.0000000	0.00	0.337664
16D06776	15.5 %		0.0985232	1.02	0.0000000	0.00	0.0972012	0.40	0.0000164	25.80	365.0065	0.37	0.0184140	1.02	0.0000000	0.00	0.721540	0.18	0.0262075	12.83	0.0967201	25.82	59.9734	0.09	0.2465984	1.37	30.6704	0.98	29.11359	1.02	0.0000000	0.00	0.229278
16D06777	18.5 %		0.0803521	1.24	0.0000000	0.00	0.1039964	0.40	0.0000242	17.61	390.5235	0.37	0.0150178	1.24	0.0000000	0.00	0.427976	0.19	0.0280396	12.83	0.1425500	17.63	35.5728	0.10	0.2638377	1.37	21.4306	1.38	23.74405	1.24	0.0000000	0.00	0.135995
16D06779	21.5 %		0.0301692	1.77	0.0000000	0.00	0.0306067	0.44	0.0000165	25.54	114.9332	0.41	0.0056386	1.77	0.0000000	0.00	0.110346	0.33	0.0082522	12.83	0.0975738	25.56	9.1718	0.29	0.0776489	1.38	4.8332	3.38	8.91499	1.77	0.0000000	0.00	0.035064
		Σ	2.6942179	0.15	0.0000000	0.00	0.7829214	0.10	0.0001177	13.02	2939.9978	0.10	0.5035493	0.15	0.0000000	0.00	43.548283	0.03	0.2110918	3.09	0.6939609	13.03	3619.6728	0.01	1.9862625	0.33	1894.1930	0.06	796.14139	0.15	0.0000000	0.00	13.838009
		Σ							3.4772570	0.12	2939.9978	0.10									44.956885	0.20			3621.6590	0.01							2704.1724

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Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D06737	1.8 %		1.054988	0.000847	0.368228	0.002023	0.001828	0.000008	104.145	7.842383	1.00073600	7.162E-12
16D06739	1.9 %		0.925301	0.000737	0.346318	0.001813	0.001396	0.000006	104.160	7.844750	1.00073611	7.448E-12
16D06740	2.0 %		0.840225	0.000734	0.325502	0.002218	0.001117	0.000007	104.169	7.846041	1.00073617	4.735E-12
16D06741	2.1 %		0.810200	0.000697	0.321038	0.002036	0.001012	0.000006	104.176	7.847225	1.00073622	4.996E-12
16D06743	2.2 %		0.782071	0.000667	0.321287	0.001930	0.000932	0.000005	104.191	7.849486	1.00073632	5.011E-12
16D06744	2.4 %		0.765602	0.000637	0.323680	0.001803	0.000876	0.000005	104.199	7.850671	1.00073638	5.616E-12
16D06745	2.6 %		0.746772	0.000608	0.328651	0.001731	0.000820	0.000005	104.206	7.851747	1.00073643	6.214E-12
16D06747	2.8 %		0.696166	0.000633	0.323424	0.002208	0.000655	0.000005	104.220	7.854010	1.00073653	4.018E-12
16D06748	3.0 %		0.707821	0.000599	0.340976	0.001881	0.000692	0.000004	104.227	7.855087	1.00073658	5.133E-12
16D06749	3.2 %	✓	0.675682	0.000576	0.350789	0.001880	0.000597	0.000004	104.234	7.856164	1.00073663	4.943E-12
16D06751	3.4 %	✓	0.671505	0.000573	0.360806	0.001941	0.000581	0.000004	104.247	7.858212	1.00073672	4.982E-12
16D06752	3.6 %	✓	0.646281	0.000530	0.386073	0.001861	0.000510	0.000003	104.254	7.859290	1.00073677	5.619E-12
16D06753	3.8 %	✓	0.624310	0.000545	0.394463	0.002036	0.000440	0.000004	104.261	7.860368	1.00073682	4.552E-12
16D06755	4.0 %	✓	0.614179	0.000536	0.421816	0.002076	0.000412	0.000003	104.275	7.862525	1.00073692	4.529E-12
16D06756	4.3 %	✓	0.607524	0.000557	0.438224	0.002335	0.000405	0.000004	104.282	7.863603	1.00073697	3.731E-12
16D06757	4.6 %	✓	0.617367	0.000551	0.494235	0.002388	0.000443	0.000004	104.289	7.864682	1.00073702	4.137E-12
16D06759	4.9 %	✓	0.607584	0.000650	0.495120	0.002810	0.000418	0.000005	104.303	7.866840	1.00073711	2.809E-12
16D06760	5.2 %	✓	0.637857	0.000619	0.573184	0.002916	0.000535	0.000005	104.310	7.867919	1.00073716	3.366E-12
16D06761	5.5 %	✓	0.646127	0.000640	0.625460	0.003068	0.000589	0.000005	104.317	7.868998	1.00073721	3.188E-12
16D06763	5.8 %	✓	0.652133	0.000742	0.658231	0.003529	0.000606	0.000006	104.331	7.871157	1.00073731	2.479E-12
16D06764	6.2 %	✓	0.667335	0.000766	0.705151	0.003912	0.000684	0.000007	104.338	7.872237	1.00073736	2.410E-12
16D06765	6.6 %	✓	0.691398	0.000828	0.748803	0.004203	0.000766	0.000008	104.344	7.873317	1.00073741	2.282E-12
16D06767	7.0 %		0.730223	0.000850	0.815747	0.004319	0.000927	0.000008	104.358	7.875369	1.00073750	2.458E-12
16D06768	7.6 %		0.761675	0.000835	0.879647	0.004318	0.001065	0.000008	104.365	7.876450	1.00073755	2.753E-12
16D06769	8.3 %		0.799714	0.000796	1.005039	0.004427	0.001221	0.000008	104.372	7.877530	1.00073760	3.339E-12
16D06771	9.0 %		0.812661	0.000767	1.163230	0.004890	0.001310	0.000008	104.385	7.879691	1.00073770	3.699E-12
16D06772	9.8 %		0.825650	0.000747	1.332696	0.005361	0.001418	0.000008	104.392	7.880772	1.00073775	4.355E-12
16D06773	11.0 %		0.818747	0.000726	1.533834	0.006054	0.001459	0.000007	104.399	7.881853	1.00073780	4.374E-12
16D06775	13.0 %		0.881550	0.000835	2.726502	0.010557	0.001995	0.000010	104.413	7.884016	1.00073789	3.744E-12
16D06776	15.5 %		0.996568	0.001090	6.061218	0.023150	0.003250	0.000016	104.421	7.885206	1.00073795	2.881E-12
16D06777	18.5 %		1.264367	0.001721	10.897334	0.041986	0.005145	0.000026	104.428	7.886287	1.00073800	2.175E-12
16D06779	21.5 %		1.490166	0.006131	12.425910	0.062059	0.006573	0.000059	104.442	7.888451	1.00073809	6.616E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D06737	1.8 %	0.0039039 ± 0.0002557	0.0185623 ± 0.0184444	0.0625284 ± 0.0171448	0.0099881 ± 0.0192101	1.0291603 ± 0.0367865
16D06739	1.9 %	0.0040547 ± 0.0002557	0.0352552 ± 0.0184444	0.0457687 ± 0.0171448	0.0033833 ± 0.0192101	1.0259342 ± 0.0367865
16D06740	2.0 %	0.0040802 ± 0.0002557	0.0393848 ± 0.0184444	0.0391039 ± 0.0171448	0.0001299 ± 0.0192101	1.0220499 ± 0.0367865
16D06741	2.1 %	0.0040767 ± 0.0002557	0.0407875 ± 0.0184444	0.0343524 ± 0.0171448	0.0026208 ± 0.0192101	1.0176127 ± 0.0367865
16D06743	2.2 %	0.0040175 ± 0.0002557	0.0387685 ± 0.0184444	0.0284433 ± 0.0171448	0.0072285 ± 0.0192101	1.0078206 ± 0.0367865
16D06744	2.4 %	0.0039677 ± 0.0002557	0.0360041 ± 0.0184444	0.0267839 ± 0.0171448	0.0092948 ± 0.0192101	1.0024567 ± 0.0367865
16D06745	2.6 %	0.0039160 ± 0.0002557	0.0328658 ± 0.0184444	0.0260074 ± 0.0171448	0.0109623 ± 0.0192101	0.9976740 ± 0.0367865
16D06747	2.8 %	0.0037993 ± 0.0002557	0.0253851 ± 0.0184444	0.0262758 ± 0.0171448	0.0138088 ± 0.0192101	0.9885231 ± 0.0367865
16D06748	3.0 %	0.0037449 ± 0.0002557	0.0218211 ± 0.0184444	0.0271413 ± 0.0171448	0.0148546 ± 0.0192101	0.9848245 ± 0.0367865
16D06749	3.2 %	0.0036939 ± 0.0002557	0.0184872 ± 0.0184444	0.0283789 ± 0.0171448	0.0157045 ± 0.0192101	0.9816724 ± 0.0367865
16D06751	3.4 %	0.0036124 ± 0.0002557	0.0132650 ± 0.0184444	0.0314948 ± 0.0171448	0.0167963 ± 0.0192101	0.9774164 ± 0.0367865
16D06752	3.6 %	0.0035798 ± 0.0002557	0.0112990 ± 0.0184444	0.0334047 ± 0.0171448	0.0171073 ± 0.0192101	0.9761693 ± 0.0367865
16D06753	3.8 %	0.0035557 ± 0.0002557	0.0099712 ± 0.0184444	0.0354127 ± 0.0171448	0.0172465 ± 0.0192101	0.9756358 ± 0.0367865
16D06755	4.0 %	0.0035345 ± 0.0002557	0.0093925 ± 0.0184444	0.0394647 ± 0.0171448	0.0170483 ± 0.0192101	0.9766983 ± 0.0367865
16D06756	4.3 %	0.0035378 ± 0.0002557	0.0101641 ± 0.0184444	0.0413847 ± 0.0171448	0.0167331 ± 0.0192101	0.9782466 ± 0.0367865
16D06757	4.6 %	0.0035502 ± 0.0002557	0.0116183 ± 0.0184444	0.0431550 ± 0.0171448	0.0162908 ± 0.0192101	0.9804131 ± 0.0367865
16D06759	4.9 %	0.0035997 ± 0.0002557	0.0163592 ± 0.0184444	0.0460210 ± 0.0171448	0.0150835 ± 0.0192101	0.9863194 ± 0.0367865
16D06760	5.2 %	0.0036351 ± 0.0002557	0.0194788 ± 0.0184444	0.0470096 ± 0.0171448	0.0143508 ± 0.0192101	0.9898764 ± 0.0367865
16D06761	5.5 %	0.0036758 ± 0.0002557	0.0229471 ± 0.0184444	0.0476340 ± 0.0171448	0.0135558 ± 0.0192101	0.9936861 ± 0.0367865
16D06763	5.8 %	0.0037667 ± 0.0002557	0.0303355 ± 0.0184444	0.0475983 ± 0.0171448	0.0118571 ± 0.0192101	1.0015121 ± 0.0367865
16D06764	6.2 %	0.0038128 ± 0.0002557	0.0338993 ± 0.0184444	0.0468478 ± 0.0171448	0.0109958 ± 0.0192101	1.0052107 ± 0.0367865
16D06765	6.6 %	0.0038563 ± 0.0002557	0.0370991 ± 0.0184444	0.0455521 ± 0.0171448	0.0101570 ± 0.0192101	1.0085264 ± 0.0367865
16D06767	7.0 %	0.0039215 ± 0.0002557	0.0413071 ± 0.0184444	0.0414462 ± 0.0171448	0.0087132 ± 0.0192101	1.0130372 ± 0.0367865
16D06768	7.6 %	0.0039409 ± 0.0002557	0.0420248 ± 0.0184444	0.0383504 ± 0.0171448	0.0080815 ± 0.0192101	1.0140447 ± 0.0367865
16D06769	8.3 %	0.0039456 ± 0.0002557	0.0413192 ± 0.0184444	0.0345650 ± 0.0171448	0.0075742 ± 0.0192101	1.0137894 ± 0.0367865
16D06771	9.0 %	0.0038954 ± 0.0002557	0.0342961 ± 0.0184444	0.0248003 ± 0.0171448	0.0070509 ± 0.0192101	1.0084061 ± 0.0367865
16D06772	9.8 %	0.0038321 ± 0.0002557	0.0272484 ± 0.0184444	0.0187637 ± 0.0171448	0.0070972 ± 0.0192101	1.0026936 ± 0.0367865
16D06773	11.0 %	0.0037374 ± 0.0002557	0.0173170 ± 0.0184444	0.0119226 ± 0.0171448	0.0073923 ± 0.0192101	0.9945494 ± 0.0367865
16D06775	13.0 %	0.0034340 ± 0.0002557	0.0129175 ± 0.0184444	0.0042645 ± 0.0171448	0.0088671 ± 0.0192101	0.9696111 ± 0.0367865
16D06776	15.5 %	0.0031901 ± 0.0002557	0.0365137 ± 0.0184444	0.0146384 ± 0.0171448	0.0102654 ± 0.0192101	0.9501397 ± 0.0367865
16D06777	18.5 %	0.0029127 ± 0.0002557	0.0629594 ± 0.0184444	0.0250003 ± 0.0171448	0.0119521 ± 0.0192101	0.9283463 ± 0.0367865
16D06779	21.5 %	0.0021746 ± 0.0002557	0.1322801 ± 0.0184444	0.0484439 ± 0.0171448	0.0166760 ± 0.0192101	0.8713973 ± 0.0367865

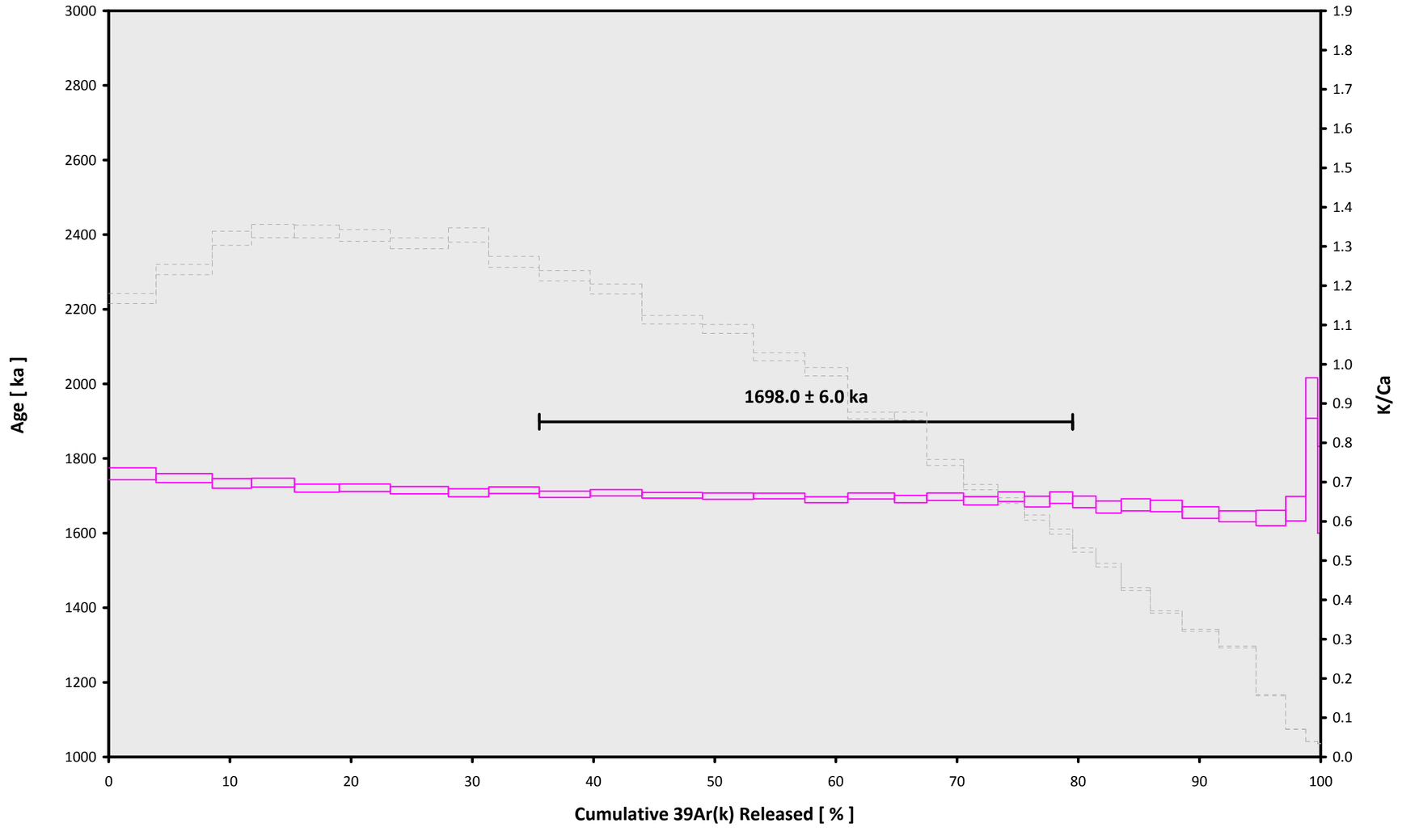
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D06737	1.8 %	0.2488209 ± 0.0007557	0.5500	EXP 150 of 150	6.471345 ± 0.018497	0.8246	EXP 149 of 150	1.7387816 ± 0.0151885	0.3372	EXP 150 of 150	140.2490046 ± 0.0220940	0.9995	EXP 150 of 150	150.239054 ± 0.025787	0.9979	EXP 150 of 150
16D06739	1.9 %	0.2257537 ± 0.0006478	0.5805	EXP 150 of 150	7.199931 ± 0.019068	0.8321	EXP 150 of 150	2.0355823 ± 0.0158603	0.3661	EXP 149 of 150	166.3055148 ± 0.0250365	0.9995	EXP 150 of 150	156.199588 ± 0.027345	0.9949	EXP 150 of 150
16D06740	2.0 %	0.1282631 ± 0.0005622	0.0011	EXP 148 of 150	4.720462 ± 0.019863	0.6236	EXP 150 of 150	1.4153910 ± 0.0171501	0.1192	EXP 150 of 150	116.4262975 ± 0.0239661	0.9991	EXP 150 of 150	99.665194 ± 0.020552	0.9987	EXP 150 of 150
16D06741	2.1 %	0.1272302 ± 0.0005605	0.0034	EXP 150 of 150	5.095968 ± 0.018769	0.7242	EXP 149 of 150	1.5428106 ± 0.0152656	0.2137	EXP 150 of 150	127.4144546 ± 0.0216925	0.9994	EXP 150 of 150	105.110595 ± 0.023716	0.9977	EXP 150 of 150
16D06743	2.2 %	0.1218850 ± 0.0005081	0.0054	EXP 150 of 150	5.300765 ± 0.017029	0.7726	EXP 150 of 150	1.6376141 ± 0.0176997	0.2855	EXP 150 of 150	132.3842283 ± 0.0223905	0.9994	EXP 150 of 150	105.402475 ± 0.021769	0.9972	EXP 150 of 150
16D06744	2.4 %	0.1307122 ± 0.0005474	0.0066	EXP 150 of 150	6.121195 ± 0.017510	0.7979	EXP 150 of 150	1.8466333 ± 0.0170182	0.2631	EXP 150 of 150	151.5520621 ± 0.0246761	0.9994	EXP 150 of 150	117.994981 ± 0.023171	0.9956	EXP 150 of 150
16D06745	2.6 %	0.1386079 ± 0.0006128	0.0345	EXP 149 of 150	7.058409 ± 0.018765	0.8270	EXP 150 of 150	2.0720416 ± 0.0177013	0.2439	EXP 150 of 150	171.9272444 ± 0.0240247	0.9996	EXP 150 of 150	130.454517 ± 0.025356	0.9919	EXP 150 of 150
16D06747	2.8 %	0.0783541 ± 0.0005028	0.1354	EXP 150 of 150	4.813312 ± 0.020576	0.6636	EXP 150 of 150	1.4688286 ± 0.0179760	0.2277	EXP 150 of 150	119.2502946 ± 0.0219644	0.9993	EXP 150 of 150	84.691643 ± 0.021117	0.9974	EXP 150 of 150
16D06748	3.0 %	0.1027482 ± 0.0004602	0.0498	EXP 150 of 150	6.387611 ± 0.018309	0.8097	EXP 150 of 150	1.7994326 ± 0.0160479	0.2791	EXP 150 of 150	149.8481806 ± 0.0255111	0.9994	EXP 150 of 150	107.927692 ± 0.021553	0.9951	EXP 150 of 150
16D06749	3.2 %	0.0898553 ± 0.0004635	0.0749	EXP 150 of 150	6.632552 ± 0.017645	0.8171	EXP 150 of 150	1.8573644 ± 0.0168979	0.3096	EXP 150 of 150	151.1682566 ± 0.0227130	0.9995	EXP 150 of 150	103.967525 ± 0.023146	0.9947	EXP 150 of 150
16D06751	3.4 %	0.0887246 ± 0.0004577	0.1394	EXP 150 of 150	6.922353 ± 0.019454	0.8073	EXP 150 of 150	1.8327784 ± 0.0158859	0.2498	EXP 150 of 150	153.3007416 ± 0.0238906	0.9995	EXP 150 of 150	104.769869 ± 0.023370	0.9928	EXP 150 of 150
16D06752	3.6 %	0.0910463 ± 0.0004635	0.1472	EXP 150 of 150	8.684930 ± 0.018976	0.8703	EXP 150 of 150	2.2334016 ± 0.0172472	0.4342	EXP 150 of 150	179.6582948 ± 0.0240346	0.9996	EXP 150 of 150	118.046545 ± 0.021428	0.9908	EXP 150 of 150
16D06753	3.8 %	0.0668735 ± 0.0004690	0.3200	EXP 150 of 150	7.440214 ± 0.019025	0.8443	EXP 150 of 150	1.8019685 ± 0.0150021	0.2262	EXP 150 of 150	150.6656367 ± 0.0233773	0.9995	EXP 150 of 150	95.814201 ± 0.023268	0.9941	EXP 150 of 150
16D06755	4.0 %	0.0635713 ± 0.0003897	0.4960	EXP 150 of 150	8.046118 ± 0.017994	0.8738	EXP 150 of 150	1.8353517 ± 0.0171424	0.2618	EXP 150 of 150	152.3849824 ± 0.0248178	0.9994	EXP 150 of 150	95.341198 ± 0.022486	0.9932	EXP 150 of 150
16D06756	4.3 %	0.0525996 ± 0.0003496	0.4857	EXP 150 of 150	6.958254 ± 0.018935	0.8274	EXP 150 of 150	1.5442549 ± 0.0168815	0.1925	EXP 150 of 150	126.9047565 ± 0.0220008	0.9994	EXP 150 of 150	78.711010 ± 0.017953	0.9971	EXP 150 of 150
16D06757	4.6 %	0.0621089 ± 0.0003826	0.4771	EXP 149 of 150	8.561573 ± 0.018606	0.8884	EXP 150 of 150	1.6818350 ± 0.0162422	0.2447	EXP 150 of 150	138.4530457 ± 0.0212666	0.9995	EXP 150 of 150	87.162037 ± 0.021417	0.9949	EXP 150 of 150
16D06759	4.9 %	0.0417551 ± 0.0003098	0.6630	EXP 150 of 150	5.908225 ± 0.017239	0.7839	EXP 150 of 150	1.1572188 ± 0.0168729	0.0934	EXP 150 of 150	95.5382746 ± 0.0205945	0.9990	EXP 150 of 150	59.510520 ± 0.022820	0.9963	EXP 150 of 150
16D06760	5.2 %	0.0593713 ± 0.0003986	0.3429	EXP 150 of 150	7.807633 ± 0.019639	0.8526	EXP 150 of 150	1.3450723 ± 0.0176520	0.1532	EXP 150 of 150	109.0399469 ± 0.0199777	0.9993	EXP 150 of 150	71.114753 ± 0.021069	0.9958	EXP 150 of 150
16D06761	5.5 %	0.0609950 ± 0.0004271	0.2043	EXP 150 of 150	7.962662 ± 0.017307	0.8813	EXP 149 of 150	1.2709478 ± 0.0153746	0.2327	EXP 150 of 150	101.9639365 ± 0.0192260	0.9992	EXP 150 of 150	67.417998 ± 0.020290	0.9963	EXP 150 of 150
16D06763	5.8 %	0.0492378 ± 0.0003732	0.4363	EXP 150 of 150	6.443255 ± 0.016562	0.8334	EXP 150 of 150	0.9774942 ± 0.0164713	0.1163	EXP 150 of 150	78.5655051 ± 0.0196236	0.9987	EXP 150 of 150	52.657732 ± 0.020309	0.9969	EXP 150 of 150
16D06764	6.2 %	0.0525550 ± 0.0004085	0.2438	EXP 150 of 150	6.552823 ± 0.019575	0.7953	EXP 150 of 150	0.9422468 ± 0.0163155	0.1042	EXP 149 of 150	74.6294943 ± 0.0205560	0.9984	EXP 150 of 150	51.217564 ± 0.018055	0.9976	EXP 150 of 150
16D06765	6.6 %	0.0537416 ± 0.0003967	0.2944	EXP 150 of 150	6.353577 ± 0.019231	0.7955	EXP 150 of 150	0.8400030 ± 0.0178465	0.0431	EXP 150 of 150	68.1965608 ± 0.0181846	0.9985	EXP 150 of 150	48.547084 ± 0.019916	0.9972	EXP 150 of 150
16D06767	7.0 %	0.0654951 ± 0.0003892	0.0598	EXP 150 of 150	7.056270 ± 0.018968	0.8309	EXP 150 of 150	0.8659011 ± 0.0175216	0.0441	EXP 150 of 150	69.5409916 ± 0.0215160	0.9979	EXP 150 of 150	52.212132 ± 0.020143	0.9965	EXP 150 of 150
16D06768	7.6 %	0.0799092 ± 0.0004474	0.0014	EXP 150 of 150	8.176872 ± 0.018301	0.8764	EXP 150 of 150	0.9709329 ± 0.0179886	0.1253	EXP 150 of 150	74.6867075 ± 0.0195465	0.9985	EXP 150 of 150	58.370992 ± 0.021763	0.9952	EXP 150 of 150
16D06769	8.3 %	0.1045487 ± 0.0005336	0.0517	EXP 150 of 150	10.803103 ± 0.016937	0.9369	EXP 150 of 150	1.1189285 ± 0.0164443	0.1690	EXP 150 of 150	86.2605577 ± 0.0195806	0.9989	EXP 150 of 150	70.568878 ± 0.021866	0.9931	EXP 150 of 150
16D06771	9.0 %	0.1215913 ± 0.0005281	0.1767	EXP 150 of 150	13.644712 ± 0.018340	0.9506	EXP 149 of 150	1.2138663 ± 0.0178967	0.1392	EXP 150 of 150	94.0354105 ± 0.0200047	0.9990	EXP 150 of 150	78.061247 ± 0.019458	0.9919	EXP 150 of 150
16D06772	9.8 %	0.1514447 ± 0.0006218	0.3495	EXP 150 of 150	18.131627 ± 0.019092	0.9697	EXP 149 of 150	1.4297632 ± 0.0169850	0.2204	EXP 150 of 150	108.9722147 ± 0.0225786	0.9991	EXP 150 of 150	91.722836 ± 0.023881	0.9788	EXP 149 of 150
16D06773	11.0 %	0.1575592 ± 0.0005568	0.4524	EXP 150 of 150	21.148127 ± 0.018736	0.9790	EXP 150 of 150	1.4157681 ± 0.0187646	0.0889	EXP 150 of 150	110.3740808 ± 0.0197343	0.9993	EXP 150 of 150	92.113409 ± 0.020153	0.9843	EXP 150 of 150
16D06775	13.0 %	0.1706878 ± 0.0006212	0.4793	EXP 150 of 150	29.918908 ± 0.021811	0.9852	EXP 150 of 150	1.1528755 ± 0.0163939	0.0506	EXP 150 of 150	87.7615520 ± 0.0205931	0.9988	EXP 150 of 150	78.975526 ± 0.019255	0.9902	EXP 150 of 150
16D06776	15.5 %	0.1886174 ± 0.0006422	0.5699	EXP 150 of 150	45.274844 ± 0.021385	0.9937	EXP 150 of 150	0.8351563 ± 0.0171799	0.0209	EXP 150 of 150	59.7303296 ± 0.0203341	0.9975	EXP 150 of 150	60.963444 ± 0.018004	0.9959	EXP 150 of 150
16D06777	18.5 %	0.1775710 ± 0.0006363	0.5082	EXP 150 of 150	48.457187 ± 0.021492	0.9945	EXP 150 of 150	0.5792774 ± 0.0173625	0.0741	EXP 150 of 150	35.5510570 ± 0.0170642	0.9949	EXP 150 of 150	46.238968 ± 0.018116	0.9972	EXP 150 of 150
16D06779	21.5 %	0.0597640 ± 0.0003834	0.1218	EXP 150 of 150	14.371062 ± 0.018690	0.9539	EXP 150 of 150	0.1700030 ± 0.0175026	0.0051	EXP 150 of 150	9.1893697 ± 0.0163436	0.9184	EXP 150 of 150	14.654657 ± 0.018153	0.9983	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D06737	1.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06739	1.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06740	2.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06741	2.1 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06743	2.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06744	2.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06745	2.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06747	2.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06748	3.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06749	3.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06751	3.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06752	3.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06753	3.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06755	4.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06756	4.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06757	4.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06759	4.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06760	5.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06761	5.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06763	5.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06764	6.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06765	6.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06767	7.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06768	7.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06769	8.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06771	9.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06772	9.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06773	11.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06775	13.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06776	15.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06777	18.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	01
16D06779	21.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	12.80	French Polynesia\Marquesas (14-INT-06	16D06736	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
16D06737	1.8 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	18	33	1
16D06739	1.9 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	18	55	1
16D06740	2.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	19	7	1
16D06741	2.1 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	19	18	1
16D06743	2.2 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	19	39	1
16D06744	2.4 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	19	50	1
16D06745	2.6 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	20	0	1
16D06747	2.8 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	20	21	1
16D06748	3.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	20	31	1
16D06749	3.2 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	20	41	1
16D06751	3.4 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	21	0	1
16D06752	3.6 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	21	10	1
16D06753	3.8 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	21	20	1
16D06755	4.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	21	40	1
16D06756	4.3 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	21	50	1
16D06757	4.6 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	22	0	1
16D06759	4.9 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	22	20	1
16D06760	5.2 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	22	30	1
16D06761	5.5 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	22	40	1
16D06763	5.8 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	0	1
16D06764	6.2 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	10	1
16D06765	6.6 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	20	1
16D06767	7.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	39	1
16D06768	7.6 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	49	1
16D06769	8.3 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	16	FEB	2016	23	59	1
16D06771	9.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	0	19	1
16D06772	9.8 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	0	29	1
16D06773	11.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	0	39	1
16D06775	13.0 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	0	59	1
16D06776	15.5 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	1	10	1
16D06777	18.5 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	1	20	1
16D06779	21.5 %	HO-PUA-02	Groundmass	Marquesas Islands	FCT-NM (6A6-15)	28.201	0.082	Kuiper et al., (2008)	8.72203	0.141	0.00180203	0.141	304.733	0.172	0.99241555	0.072	1	4.8E-14	17	FEB	2016	1	40	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
16D06737	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
16D06739	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
16D06740	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
16D06741	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
16D06743	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
16D06744	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
16D06745	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
16D06747	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
16D06748	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
16D06749	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
16D06751	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
16D06752	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
16D06753	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
16D06755	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
16D06756	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
16D06757	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
16D06759	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
16D06760	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
16D06761	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
16D06763	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
16D06764	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
16D06765	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
16D06767	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
16D06768	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
16D06769	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
16D06771	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
16D06772	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
16D06773	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
16D06775	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
16D06776	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
16D06777	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
16D06779	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

16D06736.AGE >>> HO-PUA-02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1698.0 ± 6.0
TOTAL FUSION
1704.5 ± 5.3
NORMAL ISOCHRON
1686.9 ± 17.1
INVERSE ISOCHRON
1686.4 ± 16.9

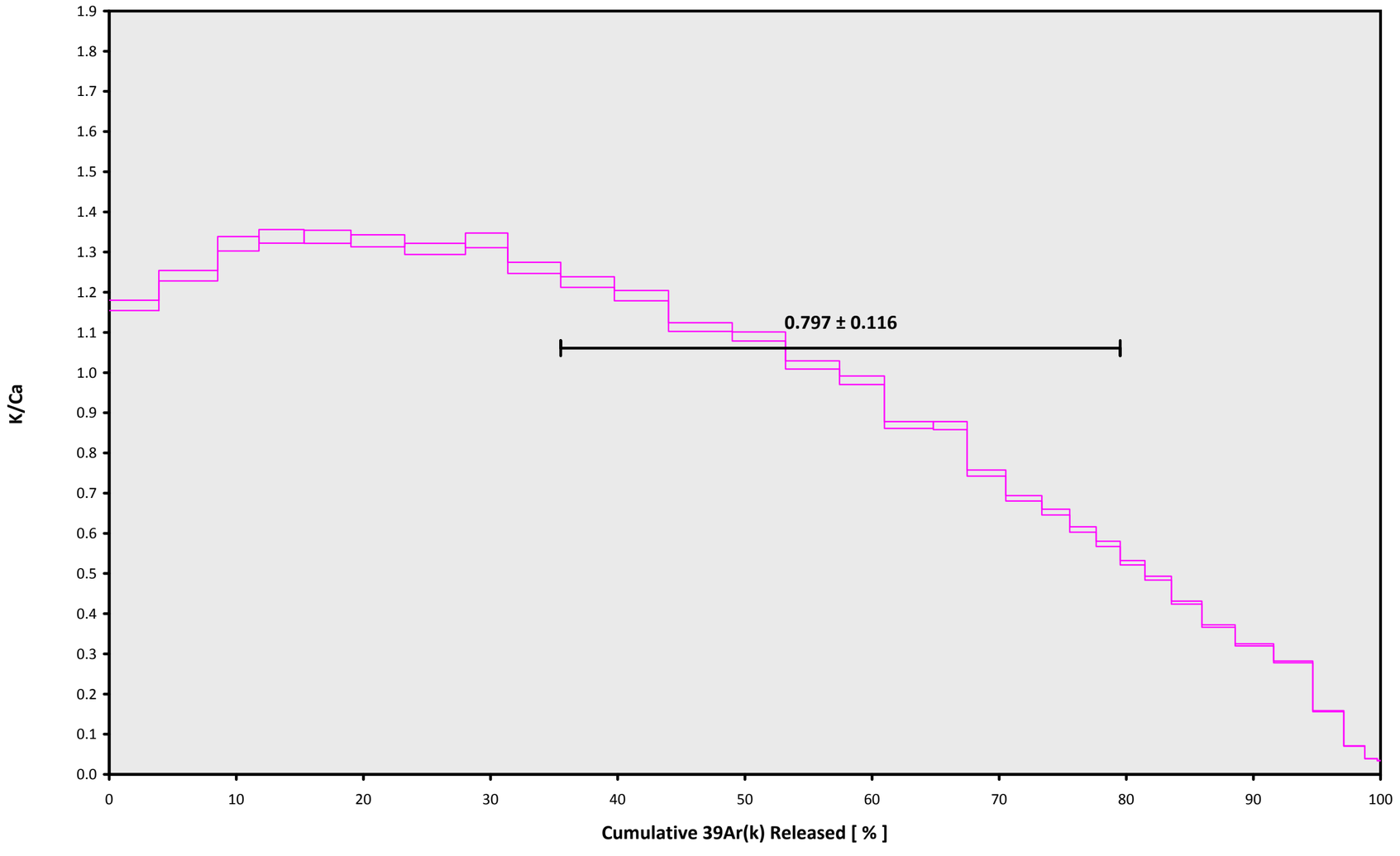
MSWD (PROBABILITY)
1.94 (3%)

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A6-15)
J = 0.00180203 ± 0.00000254

16D06736.AGE >>> HO-PUA-02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1698.0 ± 6.0
TOTAL FUSION
1704.5 ± 5.3
NORMAL ISOCHRON
1686.9 ± 17.1
INVERSE ISOCHRON
1686.4 ± 16.9

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A6-15)
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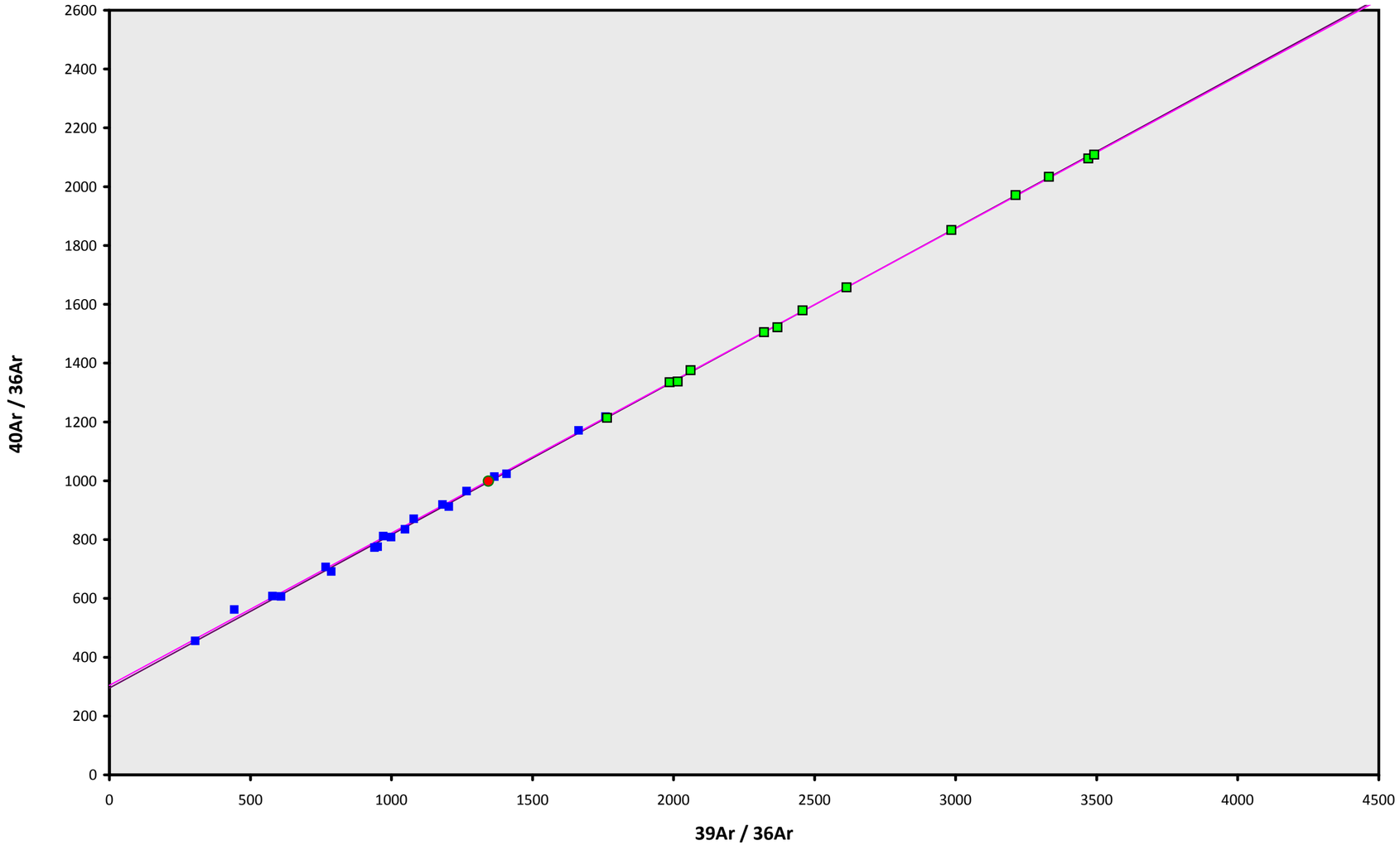
16D06736.AGE >>> HO-PUA-02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1698.0 ± 6.0
TOTAL FUSION
1704.5 ± 5.3
NORMAL ISOCHRON
1686.9 ± 17.1
INVERSE ISOCHRON
1686.4 ± 16.9

MSWD (PROBABILITY)
1.81 (5%)

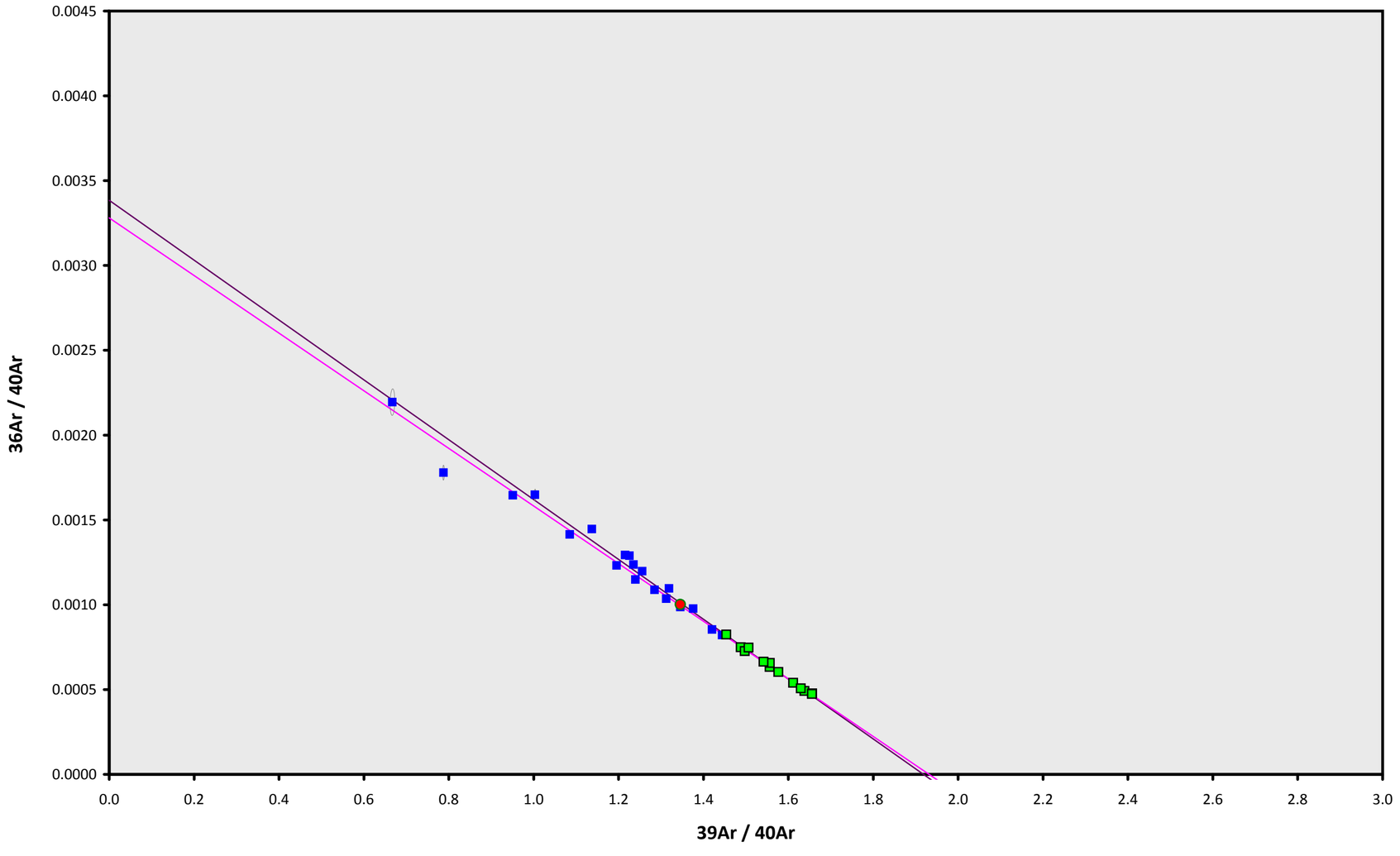
40AR/36AR INTERCEPT
304.2 ± 13.0

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A6-15)
J = 0.00180203 ± 0.00000254

16D06736.AGE >>> HO-PUA-02 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1698.0 ± 6.0
TOTAL FUSION
1704.5 ± 5.3
NORMAL ISOCHRON
1686.9 ± 17.1
INVERSE ISOCHRON
1686.4 ± 16.9

MSWD (PROBABILITY)
1.76 (6%)

SPREADING FACTOR
10.5%

40AR/36AR INTERCEPT
304.9 ± 12.8

Sample Info

Groundmass
Marquesas Islands
Kevin Konrad

IRR = 15-OSU-06 (6A6-15)
J = 0.00180203 ± 0.00000254