

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
16D07437	1.8 %	10.226575	0.296	29.7313	0.869	3.287424	0.774	94.7795	0.077	3114.917	0.004	1.00205 ± 0.18882	3275.7 ± 616.7	3.05	2.07	1.37 ± 0.02
16D07439	1.9 %	7.993418	0.298	29.7598	0.839	2.866514	0.819	97.0585	0.076	2445.249	0.005	0.87775 ± 0.14493	2869.7 ± 473.5	3.48	2.12	1.40 ± 0.02
16D07440	2.0 %	5.343724	0.299	21.7086	1.112	1.980618	1.163	73.8139	0.080	1637.873	0.006	0.81618 ± 0.12820	2668.5 ± 418.8	3.68	1.61	1.46 ± 0.03
16D07441	2.1 %	4.864369	0.300	25.8290	1.008	2.038899	1.168	86.5722	0.078	1502.469	0.007	0.77124 ± 0.09966	2521.7 ± 325.6	4.44	1.89	1.44 ± 0.03
16D07443	2.2 %	4.139350	0.301	25.1463	0.965	1.930393	1.265	86.4100	0.078	1291.323	0.007	0.80794 ± 0.08525	2641.6 ± 278.5	5.41	1.89	1.48 ± 0.03
16D07444	2.4 %	4.022384	0.302	31.9713	0.830	2.165512	1.090	110.0382	0.076	1268.338	0.007	0.74373 ± 0.06528	2431.8 ± 213.3	6.45	2.40	1.48 ± 0.02
16D07445	2.6 %	4.035535	0.305	39.3423	0.704	2.475612	1.000	136.3509	0.075	1287.929	0.007	0.71893 ± 0.05332	2350.8 ± 174.2	7.61	2.97	1.49 ± 0.02
16D07447	2.8 %	2.819643	0.306	28.8752	0.910	1.867867	1.266	104.0466	0.076	907.887	0.009	0.73598 ± 0.04906	2406.5 ± 160.3	8.43	2.27	1.55 ± 0.03
16D07448	3.0 %	2.633477	0.306	29.9619	0.886	1.859770	1.371	109.6564	0.076	852.977	0.010	0.69982 ± 0.04350	2288.3 ± 142.2	9.00	2.39	1.57 ± 0.03
16D07449	3.2 %	3.266271	0.304	48.7944	0.634	2.792881	0.863	173.9415	0.074	1081.895	0.008	0.68939 ± 0.03377	2254.3 ± 110.4	11.08	3.79	1.53 ± 0.02
16D07451	3.4 %	2.914232	0.307	51.7724	0.597	2.858165	0.859	186.0939	0.073	990.761	0.009	0.71468 ± 0.02842	2336.9 ± 92.9	13.42	4.06	1.55 ± 0.02
16D07452	3.6 %	2.549369	0.308	48.8003	0.592	2.682778	0.912	178.2074	0.073	875.196	0.010	0.70167 ± 0.02611	2294.4 ± 85.3	14.28	3.89	1.57 ± 0.02
16D07453	3.8 %	2.167834	0.311	42.2603	0.646	2.344926	1.036	159.1759	0.073	747.863	0.012	0.69110 ± 0.02509	2259.8 ± 82.0	14.71	3.47	1.62 ± 0.02
16D07455	4.0 %	2.091623	0.310	46.5970	0.643	2.519226	0.943	173.7349	0.074	737.289	0.012	0.70361 ± 0.02213	2300.7 ± 72.3	16.58	3.79	1.60 ± 0.02
16D07456	4.3 %	2.042892	0.309	50.7952	0.601	2.722365	0.912	187.7082	0.073	731.014	0.012	0.69601 ± 0.01994	2275.9 ± 65.2	17.87	4.09	1.59 ± 0.02
16D07457	4.6 %	1.972150	0.312	53.4454	0.598	2.766331	0.855	198.0698	0.073	715.422	0.012	0.68726 ± 0.01844	2247.3 ± 60.3	19.02	4.32	1.59 ± 0.02
16D07459	4.9 %	1.529386	0.317	41.3513	0.680	2.207391	1.127	154.3359	0.074	556.926	0.015	0.69770 ± 0.01862	2281.4 ± 60.8	19.33	3.37	1.60 ± 0.02
16D07460	5.2 %	1.697348	0.318	53.0184	0.581	2.673534	0.940	191.8579	0.073	632.324	0.014	0.69960 ± 0.01669	2287.6 ± 54.5	21.22	4.19	1.56 ± 0.02
16D07461	5.5 %	1.389465	0.330	43.5614	0.641	2.219845	1.142	157.8937	0.074	519.055	0.016	0.70501 ± 0.01724	2305.3 ± 56.3	21.44	3.44	1.56 ± 0.02
16D07463	5.8 %	1.684746	0.319	60.3765	0.544	2.863788	0.826	207.3103	0.073	635.942	0.014	0.68539 ± 0.01537	2241.2 ± 50.2	22.34	4.52	1.48 ± 0.02
16D07464	6.2 %	1.519904	0.315	58.2639	0.549	2.751260	0.880	196.1683	0.073	580.934	0.015	0.69160 ± 0.01450	2261.5 ± 47.4	23.35	4.28	1.45 ± 0.02
16D07465	6.6 %	1.414361	0.319	56.4282	0.569	2.554806	1.014	180.3379	0.073	538.810	0.015	0.69120 ± 0.01486	2260.2 ± 48.6	23.13	3.93	1.37 ± 0.02
16D07467	7.0 %	1.354400	0.317	56.1930	0.573	2.412520	1.015	170.3225	0.074	515.417	0.017	0.69864 ± 0.01496	2284.5 ± 48.9	23.08	3.72	1.30 ± 0.02
16D07468	7.6 %	1.419523	0.320	67.8178	0.503	2.508220	0.997	175.5645	0.073	537.722	0.016	0.70035 ± 0.01534	2290.1 ± 50.1	22.86	3.83	1.11 ± 0.01
16D07469	8.3 %	1.601676	0.321	90.0300	0.460	2.769999	0.869	193.6471	0.073	607.053	0.014	0.72376 ± 0.01578	2366.6 ± 51.6	23.08	4.22	0.92 ± 0.01
16D07471	9.0 %	1.478409	0.322	82.8734	0.475	2.454451	0.973	166.6753	0.073	550.692	0.015	0.71850 ± 0.01694	2349.4 ± 55.4	21.74	3.64	0.86 ± 0.01
16D07472	9.8 %	1.429462	0.322	87.0983	0.461	2.216467	1.112	148.7270	0.074	524.366	0.016	0.72816 ± 0.01836	2380.9 ± 60.0	20.64	3.24	0.73 ± 0.01
16D07473	11.0 %	1.475629	0.317	93.1336	0.460	2.180509	1.096	141.7967	0.074	531.213	0.016	0.71939 ± 0.01959	2352.3 ± 64.0	19.19	3.09	0.65 ± 0.01
16D07475	13.0 %	1.613351	0.315	138.2162	0.417	2.296820	1.022	143.1695	0.074	572.862	0.015	0.74408 ± 0.02109	2433.0 ± 68.9	18.58	3.12	0.45 ± 0.00
16D07476	15.5 %	1.242607	0.325	124.5485	0.425	1.626062	1.487	98.8319	0.077	432.926	0.019	0.76124 ± 0.02427	2489.0 ± 79.3	17.36	2.15	0.34 ± 0.00
16D07477	18.5 %	0.870075	0.342	109.1919	0.439	1.062047	2.229	64.1824	0.084	297.634	0.028	0.76246 ± 0.02758	2493.0 ± 90.1	16.42	1.40	0.25 ± 0.00
16D07479	21.5 %	0.558323	0.372	80.6133	0.483	0.667429	3.465	37.9275	0.095	187.101	0.042	0.74780 ± 0.03273	2445.1 ± 106.9	15.14	0.83	0.20 ± 0.00
Σ		85.361509	0.067	1847.5062	0.104	74.624429	0.184	4584.4062	0.014	28409.378	0.002					

Information on Analysis and Constants Used in Calculations
<p>Project = MARQUESAS (14-INT-06) Sample = HO-AT-03 Material = Groundmass Location = Marquesas Islands Region = French Polynesia Analyst = Kevin Konrad Irradiation = 15-OSU-06 (6A4-15) Position = X: 0 Y: 0 Z/H: 9.36 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 8.68656 ± 0.01233 FCT-NM J-value = 0.00180939 ± 0.00000257 Air Shot 40Ar/36Ar = 304.7520 ± 0.5211 Air Shot MDF = 0.99240041 ± 0.00070936 (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-03 Rock Class = Igneous>Volcanic>Mafic Lithology = Basalt Lat-Lon = 9°48.0'S - 139°02.4'W</p>
<p>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(ε,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</p>

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Age Plateau		0.69655 ± 0.00466 ± 0.67%	2277.6 ± 16.5 ± 0.73% Full External Error ± 54.0 Analytical Error ± 15.2	0.67 83%	66.33 18	1.45 ± 0.08 2σ Confidence Limit Error Magnification
Total Fusion Age		0.72289 ± 0.00739 ± 1.02%	2363.7 ± 25.1 ± 1.06% Full External Error ± 58.9 Analytical Error ± 24.2		32	1.07 ± 0.00
Normal Isochron	296.55 ± 1.26 ± 0.43%	0.68608 ± 0.01338 ± 1.95%	2243.4 ± 44.2 ± 1.97% Full External Error ± 67.2 Analytical Error ± 43.7	0.54 93%	66.33 18	1.71 ± 0.08 2σ Confidence Limit Error Magnification 4 Number of Iterations Convergence
Inverse Isochron	296.55 ± 1.26 ± 0.43%	0.68610 ± 0.01338 ± 1.95%	2243.5 ± 44.2 ± 1.97% Full External Error ± 67.2 Analytical Error ± 43.7	0.54 93%	66.33 18	1.71 ± 0.08 2σ Confidence Limit Error Magnification 2 Number of Iterations Convergence
Notes						The plateau is relatively long but contains higher uncertainty than observed in other Marquesas samples. The groundmass contained very high concentrations of atmospheric Ar at each temperature step. The resulting plateau is still reliable. 0.0001638707 16% Spreading Factor

Incremental Heating		36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D07437	1.8 %	10.218616	29.7313	0.2353794	94.7594	94.9541	3275.7 ± 616.7	3.05	2.07	1.37 ± 0.02
16D07439	1.9 %	7.985456	29.7598	0.2044261	97.0384	85.1758	2869.7 ± 473.5	3.48	2.12	1.40 ± 0.02
16D07440	2.0 %	5.337926	21.7086	0.0935221	73.7992	60.2334	2668.5 ± 418.8	3.68	1.61	1.46 ± 0.03
16D07441	2.1 %	4.857475	25.8290	0.0878425	86.5547	66.7542	2521.7 ± 325.6	4.44	1.89	1.44 ± 0.03
16D07443	2.2 %	4.132633	25.1463	0.1168048	86.3930	69.8002	2641.6 ± 278.5	5.41	1.89	1.48 ± 0.03
16D07444	2.4 %	4.013854	31.9713	0.0894167	110.0166	81.8230	2431.8 ± 213.3	6.45	2.40	1.48 ± 0.02
16D07445	2.6 %	✓ 4.025043	39.3423	0.0803885	136.3244	98.0080	2350.8 ± 174.2	7.61	2.97	1.49 ± 0.02
16D07447	2.8 %	✓ 2.811937	28.8752	0.0886923	104.0271	76.5616	2406.5 ± 160.3	8.43	2.27	1.55 ± 0.03
16D07448	3.0 %	✓ 2.625490	29.9619	0.0478821	109.6361	76.7253	2288.3 ± 142.2	9.00	2.39	1.57 ± 0.03
16D07449	3.2 %	✓ 3.253261	48.7944	0.0890493	173.9085	119.8914	2254.3 ± 110.4	11.08	3.79	1.53 ± 0.02
16D07451	3.4 %	✓ 2.900432	51.7724	0.0738817	186.0589	132.9718	2336.9 ± 92.9	13.42	4.06	1.55 ± 0.02
16D07452	3.6 %	✓ 2.536362	48.8003	0.0616114	178.1744	125.0200	2294.4 ± 85.3	14.28	3.89	1.57 ± 0.02
16D07453	3.8 %	✓ 2.156576	42.2603	0.0241262	159.1473	109.9860	2259.8 ± 82.0	14.71	3.47	1.62 ± 0.02
16D07455	4.0 %	✓ 2.079208	46.5970	0.0374509	173.7034	122.2192	2300.7 ± 72.3	16.58	3.79	1.60 ± 0.02
16D07456	4.3 %	✓ 2.029350	50.7952	0.0815287	187.6738	130.6237	2275.9 ± 65.2	17.87	4.09	1.59 ± 0.02
16D07457	4.6 %	✓ 1.957915	53.4454	0.0140157	198.0337	136.1009	2247.3 ± 60.3	19.02	4.32	1.59 ± 0.02
16D07459	4.9 %	✓ 1.518362	41.3513	0.0641606	154.3080	107.6604	2281.4 ± 60.8	19.33	3.37	1.60 ± 0.02
16D07460	5.2 %	✓ 1.683221	53.0184	0.0473220	191.8221	134.1985	2287.6 ± 54.5	21.22	4.19	1.56 ± 0.02
16D07461	5.5 %	✓ 1.377853	43.5614	0.0599323	157.8642	111.2961	2305.3 ± 56.3	21.44	3.44	1.56 ± 0.02
16D07463	5.8 %	✓ 1.668658	60.3765	0.0539218	207.2695	142.0610	2241.2 ± 50.2	22.34	4.52	1.48 ± 0.02
16D07464	6.2 %	✓ 1.504369	58.2639	0.1062830	196.1289	135.6434	2261.5 ± 47.4	23.35	4.28	1.45 ± 0.02
16D07465	6.6 %	✓ 1.399313	56.4282	0.1200365	180.2998	124.6237	2260.2 ± 48.6	23.13	3.93	1.37 ± 0.02
16D07467	7.0 %	✓ 1.339416	56.1930	0.1094551	170.2845	118.9681	2284.5 ± 48.9	23.08	3.72	1.30 ± 0.02
16D07468	7.6 %	✓ 1.401440	67.8178	0.1297563	175.5187	122.9251	2290.1 ± 50.1	22.86	3.83	1.11 ± 0.01
16D07469	8.3 %	1.577676	90.0300	0.1396307	193.5862	140.1102	2366.6 ± 51.6	23.08	4.22	0.92 ± 0.01
16D07471	9.0 %	1.456309	82.8734	0.1717195	166.6193	119.7155	2349.4 ± 55.4	21.74	3.64	0.86 ± 0.01
16D07472	9.8 %	1.406239	87.0983	0.1587597	148.6682	108.2541	2380.9 ± 60.0	20.64	3.24	0.73 ± 0.01
16D07473	11.0 %	1.450793	93.1336	0.1974693	141.7338	101.9620	2352.3 ± 64.0	19.19	3.09	0.65 ± 0.01
16D07475	13.0 %	1.576496	138.2162	0.2709007	143.0761	106.4601	2433.0 ± 68.9	18.58	3.12	0.45 ± 0.00
16D07476	15.5 %	1.209403	124.5485	0.2030478	98.7478	75.1703	2489.0 ± 79.3	17.36	2.15	0.34 ± 0.00
16D07477	18.5 %	0.840974	109.1919	0.1257386	64.1086	48.8805	2493.0 ± 90.1	16.42	1.40	0.25 ± 0.00
16D07479	21.5 %	0.536836	80.6133	0.1056553	37.8731	28.3215	2445.1 ± 106.9	15.14	0.83	0.20 ± 0.00
Σ		84.868892	1847.5062	3.4898077	4583.1580	3313.0991				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Project = MARQUESAS (14-INT-06) Sample = HO-AT-03 Material = Groundmass Location = Marquesas Islands Region = French Polynesia Analyst = Kevin Konrad Irradiation = 15-OSU-06 (6A4-15) J = 0.00180939 ± 0.00000257 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	0.69655 ± 0.00466 ± 0.67%	2277.6 ± 16.5 ± 0.73%	0.67 83%	66.33 18	1.45 ± 0.08
			Full External Error ± 54.0 Analytical Error ± 15.2	1.69 1.0000	2σ Confidence Limit Error Magnification	
	Total Fusion Age	0.72289 ± 0.00739 ± 1.02%	2363.7 ± 25.1 ± 1.06%		32	1.07 ± 0.00
			Full External Error ± 58.9 Analytical Error ± 24.2			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D07437	1.8 %	9.27 ± 0.06	304.79 ± 1.81	0.9677
16D07439	1.9 %	12.15 ± 0.07	306.17 ± 1.82	0.9685
16D07440	2.0 %	13.83 ± 0.09	306.78 ± 1.84	0.9661
16D07441	2.1 %	17.82 ± 0.11	309.24 ± 1.86	0.9676
16D07443	2.2 %	20.91 ± 0.13	312.39 ± 1.88	0.9679
16D07444	2.4 %	27.41 ± 0.17	315.89 ± 1.91	0.9695
16D07445	2.6 % ✓	33.87 ± 0.21	319.85 ± 1.95	0.9712
16D07447	2.8 % ✓	36.99 ± 0.23	322.73 ± 1.98	0.9701
16D07448	3.0 % ✓	41.76 ± 0.26	324.72 ± 2.00	0.9704
16D07449	3.2 % ✓	53.46 ± 0.34	332.35 ± 2.03	0.9717
16D07451	3.4 % ✓	64.15 ± 0.41	341.35 ± 2.10	0.9723
16D07452	3.6 % ✓	70.25 ± 0.45	344.79 ± 2.14	0.9725
16D07453	3.8 % ✓	73.80 ± 0.47	346.50 ± 2.17	0.9728
16D07455	4.0 % ✓	83.54 ± 0.54	354.28 ± 2.21	0.9725
16D07456	4.3 % ✓	92.48 ± 0.59	359.87 ± 2.24	0.9727
16D07457	4.6 % ✓	101.15 ± 0.65	365.01 ± 2.30	0.9734
16D07459	4.9 % ✓	101.63 ± 0.67	366.41 ± 2.34	0.9732
16D07460	5.2 % ✓	113.96 ± 0.75	375.23 ± 2.41	0.9738
16D07461	5.5 % ✓	114.57 ± 0.78	376.27 ± 2.51	0.9751
16D07463	5.8 % ✓	124.21 ± 0.82	380.63 ± 2.45	0.9743
16D07464	6.2 % ✓	130.37 ± 0.85	385.67 ± 2.46	0.9735
16D07465	6.6 % ✓	128.85 ± 0.85	384.56 ± 2.48	0.9739
16D07467	7.0 % ✓	127.13 ± 0.84	384.32 ± 2.46	0.9733
16D07468	7.6 % ✓	125.24 ± 0.83	383.21 ± 2.48	0.9740
16D07469	8.3 %	122.70 ± 0.82	384.31 ± 2.51	0.9749
16D07471	9.0 %	114.41 ± 0.77	377.70 ± 2.47	0.9746
16D07472	9.8 %	105.72 ± 0.71	372.48 ± 2.44	0.9741
16D07473	11.0 %	97.69 ± 0.65	365.78 ± 2.36	0.9736
16D07475	13.0 %	90.76 ± 0.60	363.03 ± 2.35	0.9736
16D07476	15.5 %	81.65 ± 0.56	357.65 ± 2.39	0.9729
16D07477	18.5 %	76.23 ± 0.55	353.62 ± 2.51	0.9702
16D07479	21.5 %	70.55 ± 0.56	348.26 ± 2.71	0.9651

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	296.55 ± 1.26 ± 0.43%	0.68608 ± 0.01338 ± 1.95%	2243.4 ± 44.2 ± 1.97% Full External Error ± 67.2 Analytical Error ± 43.7	0.54 93%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.71 1.0000 18	Convergence Number of Iterations Calculated Line	0.000001429334 4 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D07437	1.8 %	0.0304247 ± 0.0000469	0.00328092 ± 0.00001944	0.0006
16D07439	1.9 %	0.0396905 ± 0.0000608	0.00326620 ± 0.00001947	0.0009
16D07440	2.0 %	0.0450657 ± 0.0000721	0.00325962 ± 0.00001955	0.0016
16D07441	2.1 %	0.0576210 ± 0.0000904	0.00323371 ± 0.00001943	0.0018
16D07443	2.2 %	0.0669198 ± 0.0001047	0.00320113 ± 0.00001930	0.0023
16D07444	2.4 %	0.0867696 ± 0.0001328	0.00316571 ± 0.00001917	0.0024
16D07445	2.6 % ✓	0.1058905 ± 0.0001587	0.00312647 ± 0.00001910	0.0024
16D07447	2.8 % ✓	0.1146318 ± 0.0001758	0.00309859 ± 0.00001902	0.0039
16D07448	3.0 % ✓	0.1285968 ± 0.0001963	0.00307955 ± 0.00001892	0.0048
16D07449	3.2 % ✓	0.1608432 ± 0.0002385	0.00300885 ± 0.00001837	0.0033
16D07451	3.4 % ✓	0.1879289 ± 0.0002784	0.00292958 ± 0.00001806	0.0037
16D07452	3.6 % ✓	0.2037408 ± 0.0003024	0.00290031 ± 0.00001799	0.0046
16D07453	3.8 % ✓	0.2129762 ± 0.0003170	0.00288600 ± 0.00001806	0.0061
16D07455	4.0 % ✓	0.2358098 ± 0.0003521	0.00282261 ± 0.00001764	0.0063
16D07456	4.3 % ✓	0.2569830 ± 0.0003813	0.00277880 ± 0.00001731	0.0063
16D07457	4.6 % ✓	0.2771001 ± 0.0004104	0.00273963 ± 0.00001726	0.0065
16D07459	4.9 % ✓	0.2773645 ± 0.0004181	0.00272922 ± 0.00001743	0.0099
16D07460	5.2 % ✓	0.3037128 ± 0.0004542	0.00266505 ± 0.00001711	0.0080
16D07461	5.5 % ✓	0.3044917 ± 0.0004603	0.00265763 ± 0.00001772	0.0108
16D07463	5.8 % ✓	0.3263318 ± 0.0004854	0.00262719 ± 0.00001693	0.0087
16D07464	6.2 % ✓	0.3380459 ± 0.0005049	0.00259292 ± 0.00001654	0.0095
16D07465	6.6 % ✓	0.3350545 ± 0.0005033	0.00260037 ± 0.00001680	0.0101
16D07467	7.0 % ✓	0.3308001 ± 0.0004994	0.00260199 ± 0.00001669	0.0118
16D07468	7.6 % ✓	0.3268197 ± 0.0004917	0.00260951 ± 0.00001692	0.0107
16D07469	8.3 %	0.3192842 ± 0.0004759	0.00260208 ± 0.00001700	0.0084
16D07471	9.0 %	0.3029142 ± 0.0004547	0.00264757 ± 0.00001732	0.0101
16D07472	9.8 %	0.2838275 ± 0.0004306	0.00268470 ± 0.00001759	0.0105
16D07473	11.0 %	0.2670840 ± 0.0004039	0.00273388 ± 0.00001767	0.0112
16D07475	13.0 %	0.2499956 ± 0.0003777	0.00275460 ± 0.00001781	0.0093
16D07476	15.5 %	0.2282927 ± 0.0003621	0.00279599 ± 0.00001871	0.0137
16D07477	18.5 %	0.2155719 ± 0.0003798	0.00282787 ± 0.00002007	0.0244
16D07479	21.5 %	0.2025769 ± 0.0004232	0.00287145 ± 0.00002236	0.0445

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	296.55 ± 1.26 ± 0.43%	0.68610 ± 0.01338 ± 1.95%	2243.5 ± 44.2 ± 1.97%	0.54 93%
			Full External Error ± 67.2 Analytical Error ± 43.7	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.71 1.0000 18 15.9%	Convergence Number of Iterations Calculated Line	0.0001638707 2 Weighted York-2

Degassing Patterns		36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]
16D07437	1.8 %	10.218616	0.30	0.0000000	0.00	0.0079174	0.88	0.0000421	11.15	29.7313	0.87	1.909859	0.30	0.0000000	0.00	1.140051	0.18	0.0021347	12.85	0.2353794	11.19	94.7594	0.08	0.0200864	1.58	94.9541	9.42	3019.601	0.30	0.0000000	0.00	0.362265
16D07439	1.9 %	7.985456	0.30	0.0000000	0.00	0.0079250	0.85	0.0000366	11.77	29.7598	0.84	1.492482	0.30	0.0000000	0.00	1.167469	0.18	0.0021368	12.85	0.2044261	11.80	97.0384	0.08	0.0201057	1.56	85.1758	8.26	2359.702	0.30	0.0000000	0.00	0.370978
16D07440	2.0 %	5.337926	0.30	0.0000000	0.00	0.0057810	1.12	0.0000167	24.92	21.7086	1.11	0.997658	0.30	0.0000000	0.00	0.887878	0.18	0.0015587	12.87	0.0935221	24.94	73.7992	0.08	0.0146663	1.73	60.2334	7.85	1577.357	0.30	0.0000000	0.00	0.282134
16D07441	2.1 %	4.857475	0.30	0.0000000	0.00	0.0068783	1.02	0.0000157	27.38	25.8290	1.01	0.907862	0.30	0.0000000	0.00	1.041340	0.18	0.0018545	12.86	0.0878425	27.39	86.5547	0.08	0.0174501	1.66	66.7542	6.46	1435.384	0.30	0.0000000	0.00	0.330899
16D07443	2.2 %	4.132633	0.30	0.0000000	0.00	0.0066965	0.98	0.0000209	21.08	25.1463	0.96	0.772389	0.30	0.0000000	0.00	1.039394	0.18	0.0018055	12.86	0.1168048	21.10	86.3930	0.08	0.0169888	1.63	69.8002	5.28	1221.193	0.30	0.0000000	0.00	0.330280
16D07444	2.4 %	4.013854	0.30	0.0000000	0.00	0.0085140	0.84	0.0000160	26.66	31.9713	0.83	0.750189	0.30	0.0000000	0.00	1.323610	0.18	0.0022955	12.85	0.0894167	26.68	110.0166	0.08	0.0215998	1.56	81.8230	4.39	1186.094	0.30	0.0000000	0.00	0.420594
16D07445	2.6 %	4.025043	0.31	0.0000000	0.00	0.0104769	0.72	0.0000144	31.16	39.3423	0.70	0.752281	0.31	0.0000000	0.00	1.640118	0.18	0.0028248	12.84	0.0803885	31.18	136.3244	0.07	0.0265797	1.50	98.0080	3.71	1189.400	0.31	0.0000000	0.00	0.521168
16D07447	2.8 %	2.811937	0.31	0.0000000	0.00	0.0076895	0.92	0.0000159	26.87	28.8752	0.91	0.525551	0.31	0.0000000	0.00	1.251550	0.18	0.0020732	12.85	0.0886923	26.88	104.0271	0.08	0.0195081	1.60	76.5616	3.33	830.927	0.31	0.0000000	0.00	0.397696
16D07448	3.0 %	2.625490	0.31	0.0000000	0.00	0.0079788	0.90	0.0000086	53.58	29.9619	0.89	0.490704	0.31	0.0000000	0.00	1.319032	0.18	0.0021513	12.85	0.0478821	53.59	109.6361	0.08	0.0202422	1.59	76.7253	3.11	775.832	0.31	0.0000000	0.00	0.419139
16D07449	3.2 %	3.253261	0.31	0.0000000	0.00	0.0129940	0.65	0.0000160	27.47	48.7944	0.63	0.608034	0.31	0.0000000	0.00	2.092294	0.18	0.0035034	12.84	0.0890493	27.48	173.9085	0.07	0.0329655	1.46	119.8914	2.45	961.339	0.31	0.0000000	0.00	0.664852
16D07451	3.4 %	2.900432	0.31	0.0000000	0.00	0.0137870	0.62	0.0000132	33.77	51.7724	0.60	0.542091	0.31	0.0000000	0.00	2.238475	0.18	0.0037173	12.83	0.0738817	33.78	186.0589	0.07	0.0349774	1.45	132.9718	1.99	857.078	0.31	0.0000000	0.00	0.711303
16D07452	3.6 %	2.536362	0.31	0.0000000	0.00	0.0129955	0.61	0.0000110	40.27	48.8003	0.59	0.474046	0.31	0.0000000	0.00	2.143616	0.18	0.0035039	12.83	0.0616114	40.28	178.1744	0.07	0.0329695	1.45	125.0200	1.86	749.495	0.31	0.0000000	0.00	0.681161
16D07453	3.8 %	2.156576	0.31	0.0000000	0.00	0.0112539	0.66	0.0000043	101.81	42.2603	0.65	0.403064	0.31	0.0000000	0.00	1.914702	0.18	0.0030343	12.84	0.0241262	101.82	159.1473	0.07	0.0285510	1.47	109.9860	1.81	637.268	0.31	0.0000000	0.00	0.608420
16D07455	4.0 %	2.079208	0.31	0.0000000	0.00	0.0124088	0.66	0.0000067	64.27	46.5970	0.64	0.388604	0.31	0.0000000	0.00	2.089826	0.18	0.0033457	12.84	0.0374509	64.28	173.7034	0.07	0.0314809	1.47	122.2192	1.57	614.406	0.31	0.0000000	0.00	0.664068
16D07456	4.3 %	2.029350	0.31	0.0000000	0.00	0.0135268	0.62	0.0000146	30.88	50.7952	0.60	0.379286	0.31	0.0000000	0.00	2.257904	0.18	0.0036471	12.83	0.0815287	30.89	187.6738	0.07	0.0343173	1.45	130.6237	1.43	599.673	0.31	0.0000000	0.00	0.717477
16D07457	4.6 %	1.957915	0.31	0.0000000	0.00	0.0142325	0.62	0.0000025	171.56	53.4454	0.60	0.365934	0.31	0.0000000	0.00	2.382544	0.18	0.0038374	12.83	0.0140157	171.56	198.0337	0.07	0.0361077	1.45	136.1009	1.34	578.564	0.31	0.0000000	0.00	0.757083
16D07459	4.9 %	1.518362	0.32	0.0000000	0.00	0.0110118	0.70	0.0000115	39.15	41.3513	0.68	0.283782	0.32	0.0000000	0.00	1.856480	0.18	0.0029690	12.84	0.0641606	39.16	154.3080	0.07	0.0279369	1.48	107.6604	1.33	448.676	0.32	0.0000000	0.00	0.589919
16D07460	5.2 %	1.683221	0.32	0.0000000	0.00	0.0141188	0.60	0.0000085	53.83	53.0184	0.58	0.314594	0.32	0.0000000	0.00	2.307811	0.18	0.0038067	12.83	0.0473220	53.84	191.8221	0.07	0.0358192	1.44	134.1985	1.19	497.392	0.32	0.0000000	0.00	0.733336
16D07461	5.5 %	1.377853	0.33	0.0000000	0.00	0.0116004	0.66	0.0000107	42.71	43.5614	0.64	0.257521	0.33	0.0000000	0.00	1.899265	0.18	0.0031277	12.84	0.0599323	42.72	157.8642	0.07	0.0294301	1.47	111.2961	1.22	407.156	0.33	0.0000000	0.00	0.603515
16D07463	5.8 %	1.668658	0.32	0.0000000	0.00	0.0160783	0.56	0.0000097	44.69	60.3765	0.54	0.311872	0.32	0.0000000	0.00	2.493659	0.18	0.0043350	12.83	0.0539218	44.70	207.2695	0.07	0.0407903	1.43	142.0610	1.12	493.089	0.32	0.0000000	0.00	0.792391
16D07464	6.2 %	1.504369	0.32	0.0000000	0.00	0.0155157	0.57	0.0000191	23.14	58.2639	0.55	0.281167	0.32	0.0000000	0.00	2.359627	0.18	0.0041834	12.83	0.1062830	23.16	196.1289	0.07	0.0393631	1.43	135.6434	1.05	444.541	0.32	0.0000000	0.00	0.749801
16D07465	6.6 %	1.399313	0.32	0.0000000	0.00	0.0150268	0.59	0.0000215	21.85	56.4282	0.57	0.261532	0.32	0.0000000	0.00	2.169186	0.18	0.0040515	12.83	0.1200365	21.87	180.2998	0.07	0.0381229	1.44	124.6237	1.07	413.497	0.32	0.0000000	0.00	0.689286
16D07467	7.0 %	1.339416	0.32	0.0000000	0.00	0.0149642	0.59	0.0000196	22.66	56.1930	0.57	0.250337	0.32	0.0000000	0.00	2.048693	0.18	0.0040347	12.83	0.1094551	22.68	170.2845	0.07	0.0379640	1.44	118.9681	1.07	395.798	0.32	0.0000000	0.00	0.650998
16D07468	7.6 %	1.401440	0.32	0.0000000	0.00	0.0180599	0.52	0.0000233	19.52	67.8178	0.50	0.261929	0.32	0.0000000	0.00	2.111665	0.18	0.0048693	12.83	0.1297563	19.54	175.5187	0.07	0.0458177	1.41	122.9251	1.09	414.125	0.32	0.0000000	0.00	0.671008
16D07469	8.3 %	1.577676	0.33	0.0000000	0.00	0.0239750	0.48	0.0000251	17.54	90.0300	0.46	0.294868	0.33	0.0000000	0.00	2.329036	0.18	0.0064642	12.83	0.1396307	17.56	193.5862	0.07	0.0608243	1.40	140.1102	1.09	466.203	0.33	0.0000000	0.00	0.740080
16D07471	9.0 %	1.456309	0.33	0.0000000	0.00	0.0220692	0.50	0.0000308	14.11	82.8734	0.48	0.272184	0.33	0.0000000	0.00	2.004597	0.18	0.0059503	12.83	0.1717195	14.14	166.6193	0.07	0.0559893	1.40	119.7155	1.18	430.339	0.33	0.0000000	0.00	0.636986
16D07472	9.8 %	1.406239	0.33	0.0000000	0.00	0.0231943	0.48	0.0000285	15.70	87.0983	0.46	0.262826	0.33	0.0000000	0.00	1.788627	0.18	0.0062537	12.83	0.1587597	15.73	148.6682	0.07	0.0588436	1.40	108.2541	1.26	415.544	0.33	0.0000000	0.00	0.568359
16D07473	11.0 %	1.450793	0.32	0.0000000	0.00	0.0248015	0.48	0.0000354	12.25	93.1336	0.46	0.271153	0.32	0.0000000	0.00	1.705199	0.18	0.0066870	12.83	0.1974693	12.28	141.7338	0.07	0.0629210	1.40	101.9620	1.36	428.709	0.32	0.0000000	0.00	0.541848
16D07475	13.0 %	1.576496	0.32	0.0000000	0.00	0.0368070	0.44	0.0000486	8.80	138.2162	0.42	0.294647	0.32	0.0000000	0.00	1.721349	0.18	0.0099239	12.83	0.2709007	8.85	143.0761	0.07	0.0933789	1.38	106.4601	1.42	465.854	0.32	0.0000000	0.00	0.546980
16D07476	15.5 %	1.209403	0.33	0.0000000	0.00	0.0331673	0.45	0.0000364	12.01	124.5485	0.42	0.226037	0.33	0.0000000	0.00	1.188034	0.18	0.0089426	12.83	0.2030478	12.05	98.7478	0.08	0.0841449	1.39	75.1703	1.59	357.379	0.33	0.0000000	0.00	0.377513
16D07477	18.5 %	0.840974	0.35	0.0000000	0.00	0.0290778	0.46	0.0000226	18.90	109.1919	0.44	0.157178	0.35	0.0000000	0.00	0.771291	0.18	0.0078400	12.83	0.1257386	18.93	64.1086	0.08	0.0737701	1.39	48.8805	1.81	248.508	0.35	0.0000000	0.00	0.245087
16D07479	21.5 %	0.536836	0.39	0.0000000	0.00	0.0214673	0.51	0.0000190	21.94	80.6133	0.48	0.100335	0.39	0.0																		

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D07437	1.8 %	32.864883	0.025337	0.313689	0.002735	0.107899	0.000330	110.252	8.847785	1.00077912	1.495E-10
16D07439	1.9 %	25.193548	0.019305	0.306617	0.002583	0.082357	0.000253	110.267	8.850455	1.00077923	1.174E-10
16D07440	2.0 %	22.189222	0.017757	0.294099	0.003278	0.072395	0.000224	110.276	8.851912	1.00077929	7.862E-11
16D07441	2.1 %	17.355106	0.013603	0.298352	0.003016	0.056189	0.000174	110.284	8.853369	1.00077935	7.212E-11
16D07443	2.2 %	14.944146	0.011687	0.291011	0.002817	0.047904	0.000149	110.299	8.855920	1.00077945	6.198E-11
16D07444	2.4 %	11.526335	0.008818	0.290547	0.002422	0.036554	0.000114	110.306	8.857135	1.00077950	6.088E-11
16D07445	2.6 %	✓ 9.445696	0.007074	0.288537	0.002044	0.029597	0.000093	110.313	8.858471	1.00077956	6.182E-11
16D07447	2.8 %	✓ 8.725766	0.006688	0.277522	0.002535	0.027100	0.000085	110.327	8.860902	1.00077965	4.358E-11
16D07448	3.0 %	✓ 7.778632	0.005934	0.273234	0.002429	0.024016	0.000076	110.334	8.862117	1.00077970	4.094E-11
16D07449	3.2 %	✓ 6.219877	0.004609	0.280522	0.001790	0.018778	0.000059	110.341	8.863333	1.00077975	5.193E-11
16D07451	3.4 %	✓ 5.323982	0.003941	0.278206	0.001673	0.015660	0.000049	110.355	8.865765	1.00077985	4.756E-11
16D07452	3.6 %	✓ 4.911111	0.003642	0.273840	0.001632	0.014306	0.000045	110.362	8.866981	1.00077990	4.201E-11
16D07453	3.8 %	✓ 4.698340	0.003494	0.265494	0.001727	0.013619	0.000044	110.369	8.868197	1.00077995	3.590E-11
16D07455	4.0 %	✓ 4.243760	0.003166	0.268208	0.001736	0.012039	0.000038	110.383	8.870630	1.00078005	3.539E-11
16D07456	4.3 %	✓ 3.894419	0.002887	0.270607	0.001639	0.010883	0.000035	110.390	8.871847	1.00078009	3.509E-11
16D07457	4.6 %	✓ 3.611968	0.002673	0.269831	0.001625	0.009957	0.000032	110.397	8.873064	1.00078014	3.434E-11
16D07459	4.9 %	✓ 3.608534	0.002717	0.267930	0.001832	0.009909	0.000032	110.410	8.875499	1.00078024	2.673E-11
16D07460	5.2 %	✓ 3.295792	0.002462	0.276342	0.001620	0.008847	0.000029	110.417	8.876716	1.00078029	3.035E-11
16D07461	5.5 %	✓ 3.287372	0.002482	0.275891	0.001781	0.008800	0.000030	110.424	8.877934	1.00078034	2.491E-11
16D07463	5.8 %	✓ 3.067585	0.002279	0.291237	0.001599	0.008127	0.000027	110.438	8.880370	1.00078044	3.053E-11
16D07464	6.2 %	✓ 2.961407	0.002209	0.297010	0.001644	0.007748	0.000025	110.445	8.881588	1.00078049	2.788E-11
16D07465	6.6 %	✓ 2.987780	0.002241	0.312903	0.001794	0.007843	0.000026	110.452	8.882806	1.00078054	2.586E-11
16D07467	7.0 %	✓ 3.026122	0.002281	0.329921	0.001906	0.007952	0.000026	110.466	8.885244	1.00078063	2.474E-11
16D07468	7.6 %	✓ 3.062815	0.002301	0.386284	0.001963	0.008085	0.000027	110.473	8.886462	1.00078068	2.581E-11
16D07469	8.3 %	3.134844	0.002333	0.464918	0.002164	0.008271	0.000027	110.480	8.887681	1.00078073	2.914E-11
16D07471	9.0 %	3.303978	0.002477	0.497215	0.002391	0.008870	0.000029	110.494	8.890120	1.00078083	2.643E-11
16D07472	9.8 %	3.525695	0.002671	0.585625	0.002732	0.009611	0.000032	110.501	8.891339	1.00078088	2.517E-11
16D07473	11.0 %	3.746300	0.002830	0.656811	0.003057	0.010407	0.000034	110.508	8.892559	1.00078093	2.550E-11
16D07475	13.0 %	4.001283	0.003019	0.965403	0.004092	0.011269	0.000036	110.522	8.894999	1.00078103	2.750E-11
16D07476	15.5 %	4.380432	0.003469	1.260205	0.005437	0.012573	0.000042	110.528	8.896219	1.00078108	2.078E-11
16D07477	18.5 %	4.637310	0.004079	1.701276	0.007604	0.013556	0.000048	110.535	8.897439	1.00078112	1.429E-11
16D07479	21.5 %	4.933127	0.005144	2.125454	0.010469	0.014721	0.000056	110.550	8.900003	1.00078123	8.981E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D07437	1.8 %	0.0039613 ± 0.0003828	0.0030497 ± 0.0182221	0.0235327 ± 0.0168613	0.0295361 ± 0.0172383	1.0913247 ± 0.0751289
16D07439	1.9 %	0.0039715 ± 0.0003828	0.0085010 ± 0.0182221	0.0235327 ± 0.0168613	0.0182972 ± 0.0172383	1.1786671 ± 0.0751289
16D07440	2.0 %	0.0039735 ± 0.0003828	0.0114802 ± 0.0182221	0.0235327 ± 0.0168613	0.0133748 ± 0.0172383	1.2024619 ± 0.0751289
16D07441	2.1 %	0.0039740 ± 0.0003828	0.0143358 ± 0.0182221	0.0235327 ± 0.0168613	0.0091900 ± 0.0172383	1.2129571 ± 0.0751289
16D07443	2.2 %	0.0039738 ± 0.0003828	0.0187813 ± 0.0182221	0.0235327 ± 0.0168613	0.0033898 ± 0.0172383	1.2068763 ± 0.0751289
16D07444	2.4 %	0.0039740 ± 0.0003828	0.0205586 ± 0.0182221	0.0235327 ± 0.0168613	0.0012086 ± 0.0172383	1.1960068 ± 0.0751289
16D07445	2.6 %	0.0039751 ± 0.0003828	0.0222044 ± 0.0182221	0.0235327 ± 0.0168613	0.0008261 ± 0.0172383	1.1800733 ± 0.0751289
16D07447	2.8 %	0.0039806 ± 0.0003828	0.0242550 ± 0.0182221	0.0235327 ± 0.0168613	0.0037108 ± 0.0172383	1.1450030 ± 0.0751289
16D07448	3.0 %	0.0039858 ± 0.0003828	0.0247838 ± 0.0182221	0.0235327 ± 0.0168613	0.0048323 ± 0.0172383	1.1265004 ± 0.0751289
16D07449	3.2 %	0.0039928 ± 0.0003828	0.0249642 ± 0.0182221	0.0235327 ± 0.0168613	0.0057838 ± 0.0172383	1.1084947 ± 0.0751289
16D07451	3.4 %	0.0040134 ± 0.0003828	0.0242586 ± 0.0182221	0.0235327 ± 0.0168613	0.0072947 ± 0.0172383	1.0768749 ± 0.0751289
16D07452	3.6 %	0.0040273 ± 0.0003828	0.0233754 ± 0.0182221	0.0235327 ± 0.0168613	0.0079073 ± 0.0172383	1.0644924 ± 0.0751289
16D07453	3.8 %	0.0040439 ± 0.0003828	0.0221490 ± 0.0182221	0.0235327 ± 0.0168613	0.0084567 ± 0.0172383	1.0550701 ± 0.0751289
16D07455	4.0 %	0.0040852 ± 0.0003828	0.0187298 ± 0.0182221	0.0235327 ± 0.0168613	0.0094468 ± 0.0172383	1.0466068 ± 0.0751289
16D07456	4.3 %	0.0041102 ± 0.0003828	0.0165818 ± 0.0182221	0.0235327 ± 0.0168613	0.0099228 ± 0.0172383	1.0480974 ± 0.0751289
16D07457	4.6 %	0.0041380 ± 0.0003828	0.0141800 ± 0.0182221	0.0235327 ± 0.0168613	0.0104058 ± 0.0172383	1.0536115 ± 0.0751289
16D07459	4.9 %	0.0042024 ± 0.0003828	0.0087623 ± 0.0182221	0.0235327 ± 0.0168613	0.0114382 ± 0.0172383	1.0768111 ± 0.0751289
16D07460	5.2 %	0.0042388 ± 0.0003828	0.0058331 ± 0.0182221	0.0235327 ± 0.0168613	0.0120046 ± 0.0172383	1.0943282 ± 0.0751289
16D07461	5.5 %	0.0042780 ± 0.0003828	0.0028235 ± 0.0182221	0.0235327 ± 0.0168613	0.0126121 ± 0.0172383	1.1155321 ± 0.0751289
16D07463	5.8 %	0.0043642 ± 0.0003828	0.0032054 ± 0.0182221	0.0235327 ± 0.0168613	0.0139594 ± 0.0172383	1.1677015 ± 0.0751289
16D07464	6.2 %	0.0044110 ± 0.0003828	0.0060960 ± 0.0182221	0.0235327 ± 0.0168613	0.0146981 ± 0.0172383	1.1977986 ± 0.0751289
16D07465	6.6 %	0.0044599 ± 0.0003828	0.0088095 ± 0.0182221	0.0235327 ± 0.0168613	0.0154757 ± 0.0172383	1.2298460 ± 0.0751289
16D07467	7.0 %	0.0045634 ± 0.0003828	0.0133897 ± 0.0182221	0.0235327 ± 0.0168613	0.0171205 ± 0.0172383	1.2970926 ± 0.0751289
16D07468	7.6 %	0.0046174 ± 0.0003828	0.0150857 ± 0.0182221	0.0235327 ± 0.0168613	0.0179683 ± 0.0172383	1.3307236 ± 0.0751289
16D07469	8.3 %	0.0046727 ± 0.0003828	0.0162629 ± 0.0182221	0.0235327 ± 0.0168613	0.0188166 ± 0.0172383	1.3631683 ± 0.0751289
16D07471	9.0 %	0.0047854 ± 0.0003828	0.0166620 ± 0.0182221	0.0235327 ± 0.0168613	0.0204511 ± 0.0172383	1.4204000 ± 0.0751289
16D07472	9.8 %	0.0048421 ± 0.0003828	0.0156711 ± 0.0182221	0.0235327 ± 0.0168613	0.0211998 ± 0.0172383	1.4429189 ± 0.0751289
16D07473	11.0 %	0.0048986 ± 0.0003828	0.0137358 ± 0.0182221	0.0235327 ± 0.0168613	0.0218742 ± 0.0172383	1.4597150 ± 0.0751289
16D07475	13.0 %	0.0050090 ± 0.0003828	0.0065490 ± 0.0182221	0.0235327 ± 0.0168613	0.0229003 ± 0.0172383	1.4706403 ± 0.0751289
16D07476	15.5 %	0.0050620 ± 0.0003828	0.0010426 ± 0.0182221	0.0235327 ± 0.0168613	0.0231966 ± 0.0172383	1.4618013 ± 0.0751289
16D07477	18.5 %	0.0051129 ± 0.0003828	0.0059178 ± 0.0182221	0.0235327 ± 0.0168613	0.0233074 ± 0.0172383	1.4413032 ± 0.0751289
16D07479	21.5 %	0.0052105 ± 0.0003828	0.0258989 ± 0.0182221	0.0235327 ± 0.0168613	0.0227854 ± 0.0172383	1.3526248 ± 0.0751289

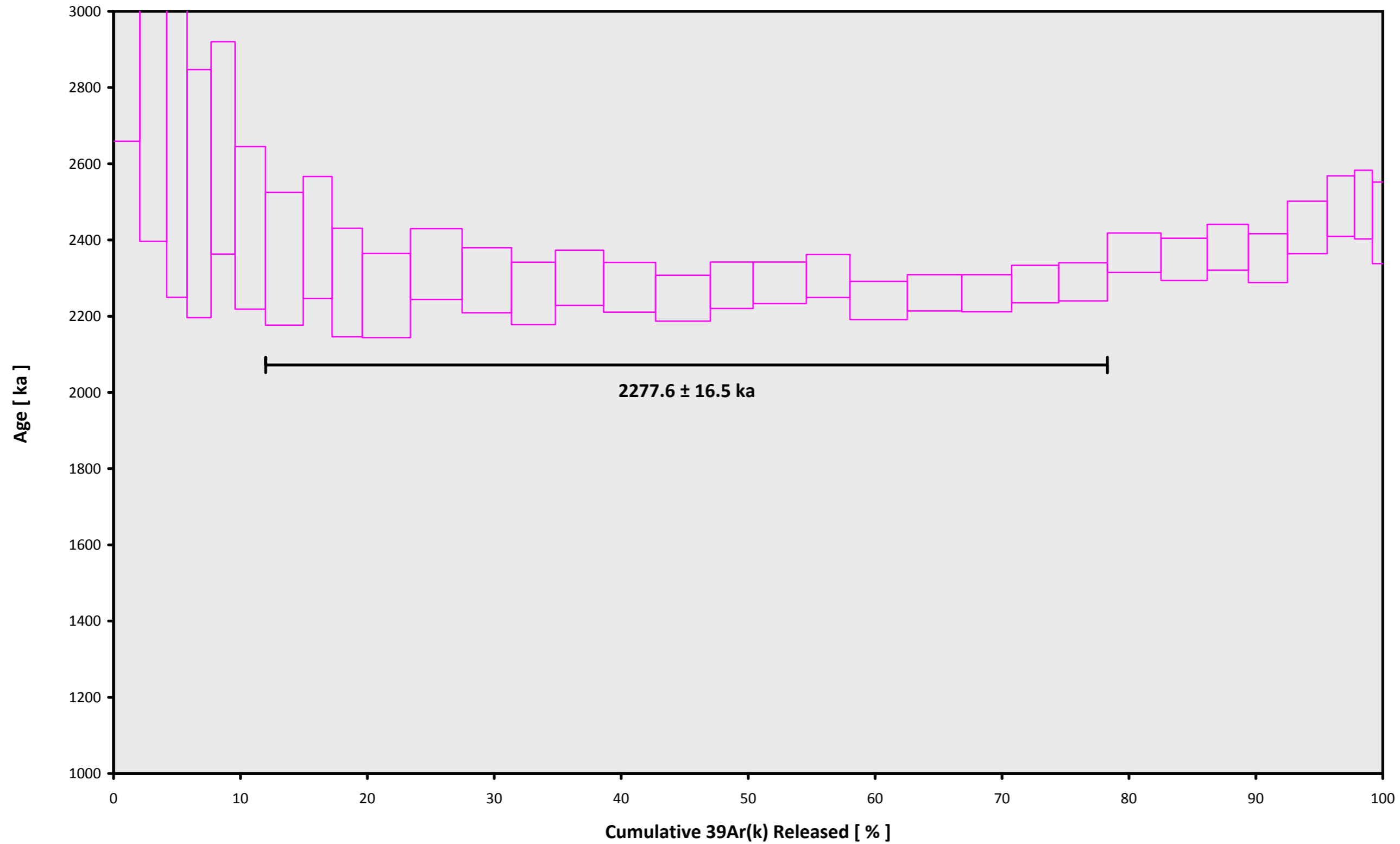
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D07437	1.8 %	9.6888726 ± 0.0045323	0.9962	EXP 150 of 150	3.2807587 ± 0.0180496	0.4017	EXP 150 of 150	3.2609993 ± 0.0179531	0.5165	EXP 150 of 150	93.957845 ± 0.021105	0.9989	EXP 150 of 150	3116.00867 ± 0.08549	1.0000	EXP 150 of 150
16D07439	1.9 %	7.5740074 ± 0.0042597	0.9946	EXP 150 of 150	3.2774640 ± 0.0164798	0.4545	EXP 150 of 150	2.8464857 ± 0.0152754	0.4954	EXP 150 of 150	96.229066 ± 0.020215	0.9990	EXP 150 of 150	2446.42773 ± 0.08091	0.9999	EXP 150 of 150
16D07440	2.0 %	5.0646598 ± 0.0032890	0.9926	EXP 150 of 150	2.3851043 ± 0.0171647	0.2897	EXP 150 of 150	1.9740518 ± 0.0149217	0.2765	EXP 150 of 150	73.183598 ± 0.019650	0.9984	EXP 150 of 150	1639.07516 ± 0.06908	0.9999	EXP 150 of 150
16D07441	2.1 %	4.6106957 ± 0.0030859	0.9923	EXP 150 of 150	2.8366654 ± 0.0193968	0.4140	EXP 150 of 150	2.0314476 ± 0.0160317	0.3070	EXP 150 of 150	85.839427 ± 0.021179	0.9987	EXP 150 of 150	1503.68209 ± 0.06264	0.9999	EXP 150 of 150
16D07443	2.2 %	3.9240776 ± 0.0027883	0.9912	EXP 150 of 150	2.7560647 ± 0.0165315	0.4064	EXP 150 of 150	1.9245909 ± 0.0169271	0.3014	EXP 150 of 150	85.684390 ± 0.020444	0.9988	EXP 150 of 150	1292.53024 ± 0.05589	0.9999	EXP 150 of 150
16D07444	2.4 %	3.8133076 ± 0.0028704	0.9900	EXP 150 of 150	3.5069358 ± 0.0185880	0.5023	EXP 150 of 150	2.1561363 ± 0.0156997	0.4212	EXP 150 of 150	109.117345 ± 0.023367	0.9990	EXP 150 of 150	1269.53364 ± 0.05731	0.9999	EXP 150 of 150
16D07445	2.6 %	3.8257622 ± 0.0032610	0.9874	EXP 150 of 150	4.3178965 ± 0.0181742	0.6248	EXP 150 of 150	2.4615242 ± 0.0172656	0.3412	EXP 150 of 150	135.212141 ± 0.023495	0.9994	EXP 150 of 150	1289.10955 ± 0.05816	0.9999	EXP 150 of 150
16D07447	2.8 %	2.6742771 ± 0.0023893	0.9860	EXP 150 of 150	3.1602819 ± 0.0190163	0.4935	EXP 150 of 150	1.8630147 ± 0.0158542	0.3636	EXP 150 of 150	103.180728 ± 0.021039	0.9991	EXP 150 of 150	909.03172 ± 0.04195	0.9999	EXP 150 of 150
16D07448	3.0 %	2.4979773 ± 0.0022392	0.9854	EXP 150 of 150	3.2791412 ± 0.0191402	0.4859	EXP 150 of 150	1.8550404 ± 0.0184218	0.1964	EXP 150 of 150	108.744689 ± 0.020887	0.9992	EXP 150 of 150	854.10308 ± 0.04831	0.9998	EXP 150 of 150
16D07449	3.2 %	3.0972612 ± 0.0025555	0.9878	EXP 150 of 150	5.3549068 ± 0.0203035	0.6779	EXP 150 of 150	2.7739715 ± 0.0162110	0.4974	EXP 150 of 150	172.493462 ± 0.026115	0.9995	EXP 150 of 150	1083.00335 ± 0.05251	0.9998	EXP 150 of 150
16D07451	3.4 %	2.7638893 ± 0.0025290	0.9846	EXP 150 of 150	5.6823842 ± 0.0188890	0.7506	EXP 150 of 150	2.8382634 ± 0.0168675	0.4806	EXP 150 of 150	184.545795 ± 0.027428	0.9995	EXP 150 of 150	991.83762 ± 0.04810	0.9998	EXP 150 of 150
16D07452	3.6 %	2.4183652 ± 0.0023420	0.9826	EXP 150 of 150	5.3549270 ± 0.0161819	0.7934	EXP 150 of 150	2.6655414 ± 0.0167877	0.4007	EXP 150 of 150	176.725765 ± 0.025821	0.9995	EXP 150 of 150	876.26061 ± 0.04658	0.9998	EXP 150 of 150
16D07453	3.8 %	2.0570556 ± 0.0021542	0.9798	EXP 150 of 150	4.6347382 ± 0.0161406	0.6573	EXP 150 of 150	2.3328242 ± 0.0166429	0.3044	EXP 149 of 150	157.853901 ± 0.021485	0.9996	EXP 150 of 150	748.91759 ± 0.04471	0.9997	EXP 150 of 150
16D07455	4.0 %	1.9849229 ± 0.0020292	0.9798	EXP 150 of 150	5.1146385 ± 0.0194058	0.6905	EXP 150 of 150	2.5044756 ± 0.0158102	0.4252	EXP 150 of 150	172.292187 ± 0.026409	0.9995	EXP 150 of 150	738.33582 ± 0.04484	0.9997	EXP 150 of 150
16D07456	4.3 %	1.9387976 ± 0.0019159	0.9811	EXP 150 of 150	5.5785167 ± 0.0186315	0.7509	EXP 150 of 150	2.7045276 ± 0.0172646	0.5057	EXP 149 of 150	186.149119 ± 0.025101	0.9996	EXP 150 of 150	732.06233 ± 0.04217	0.9997	EXP 150 of 150
16D07457	4.6 %	1.8718304 ± 0.0020263	0.9779	EXP 150 of 150	5.8720326 ± 0.0201175	0.6990	EXP 150 of 150	2.7478250 ± 0.0155700	0.4607	EXP 150 of 150	196.424643 ± 0.025268	0.9997	EXP 150 of 150	716.47543 ± 0.04063	0.9997	EXP 150 of 150
16D07459	4.9 %	1.4525822 ± 0.0017253	0.9736	EXP 150 of 150	4.5442107 ± 0.0180357	0.6526	EXP 150 of 150	2.1973791 ± 0.0174950	0.3486	EXP 150 of 150	153.057335 ± 0.022857	0.9995	EXP 150 of 150	558.00329 ± 0.03867	0.9996	EXP 150 of 150
16D07460	5.2 %	1.6116845 ± 0.0019777	0.9706	EXP 150 of 150	5.8309397 ± 0.0180756	0.7732	EXP 150 of 150	2.6564382 ± 0.0176983	0.4109	EXP 150 of 150	190.266202 ± 0.028497	0.9995	EXP 150 of 150	633.41793 ± 0.04073	0.9997	EXP 150 of 150
16D07461	5.5 %	1.3201477 ± 0.0019854	0.9541	EXP 150 of 150	4.7921770 ± 0.0167471	0.7105	EXP 150 of 150	2.2096442 ± 0.0181393	0.3725	EXP 150 of 150	156.586483 ± 0.023569	0.9995	EXP 150 of 150	520.17079 ± 0.03771	0.9995	EXP 150 of 150
16D07463	5.8 %	1.5998757 ± 0.0019906	0.9710	EXP 150 of 150	6.6472960 ± 0.0183325	0.8123	EXP 150 of 150	2.8438014 ± 0.0155654	0.5315	EXP 150 of 150	205.591365 ± 0.026052	0.9997	EXP 150 of 150	637.10960 ± 0.04802	0.9995	EXP 150 of 150
16D07464	6.2 %	1.4438108 ± 0.0016561	0.9738	EXP 150 of 150	6.4168352 ± 0.0175955	0.8391	EXP 150 of 150	2.7329833 ± 0.0163807	0.5402	EXP 150 of 150	194.543254 ± 0.026274	0.9996	EXP 150 of 150	582.13195 ± 0.03920	0.9996	EXP 150 of 150
16D07465	6.6 %	1.3439076 ± 0.0016741	0.9697	EXP 150 of 150	6.2167122 ± 0.0188703	0.7838	EXP 150 of 150	2.5395145 ± 0.0187933	0.4042	EXP 150 of 150	178.845918 ± 0.026011	0.9996	EXP 150 of 150	540.03982 ± 0.03313	0.9997	EXP 150 of 150
16D07467	7.0 %	1.2872260 ± 0.0015151	0.9734	EXP 150 of 150	6.1937233 ± 0.0191958	0.7802	EXP 150 of 150	2.3993908 ± 0.0169126	0.4123	EXP 150 of 150	168.915891 ± 0.024749	0.9996	EXP 150 of 150	516.71373 ± 0.04035	0.9995	EXP 150 of 150
16D07468	7.6 %	1.3489535 ± 0.0016956	0.9691	EXP 150 of 150	7.4729388 ± 0.0163921	0.8729	EXP 150 of 150	2.4936367 ± 0.0175876	0.4540	EXP 149 of 150	174.114929 ± 0.025003	0.9996	EXP 150 of 150	539.05231 ± 0.03968	0.9995	EXP 150 of 150
16D07469	8.3 %	1.5215136 ± 0.0019899	0.9665	EXP 150 of 150	9.9154042 ± 0.0178714	0.9116	EXP 149 of 150	2.7514370 ± 0.0161945	0.4780	EXP 150 of 150	192.047163 ± 0.025490	0.9996	EXP 150 of 150	608.41660 ± 0.03846	0.9997	EXP 150 of 150
16D07471	9.0 %	1.4048880 ± 0.0018450	0.9660	EXP 150 of 150	9.1264100 ± 0.0184133	0.8930	EXP 150 of 150	2.4406847 ± 0.0160337	0.4426	EXP 150 of 150	165.302493 ± 0.022448	0.9996	EXP 150 of 150	552.11201 ± 0.03952	0.9996	EXP 150 of 150
16D07472	9.8 %	1.3585909 ± 0.0017841	0.9658	EXP 150 of 150	9.5885218 ± 0.0168488	0.9168	EXP 150 of 150	2.2063167 ± 0.0171872	0.3389	EXP 150 of 150	147.504994 ± 0.023837	0.9994	EXP 150 of 150	525.80909 ± 0.03609	0.9996	EXP 150 of 150
16D07473	11.0 %	1.4023694 ± 0.0016782	0.9729	EXP 150 of 150	10.2485110 ± 0.0190457	0.9093	EXP 149 of 150	2.1709051 ± 0.0161176	0.3419	EXP 150 of 150	140.633250 ± 0.019849	0.9996	EXP 150 of 150	532.67272 ± 0.04326	0.9994	EXP 150 of 150
16D07475	13.0 %	1.5329070 ± 0.0017685	0.9755	EXP 148 of 150	15.1914500 ± 0.0185033	0.9592	EXP 150 of 150	2.2854493 ± 0.0154608	0.4265	EXP 150 of 150	141.995567 ± 0.021730	0.9995	EXP 150 of 150	574.33221 ± 0.04021	0.9996	EXP 150 of 150
16D07476	15.5 %	1.1818526 ± 0.0016269	0.9629	EXP 150 of 150	13.6824803 ± 0.0181023	0.9545	EXP 150 of 150	1.6248844 ± 0.0166652	0.2901	EXP 150 of 150	98.028923 ± 0.022236	0.9989	EXP 150 of 150	434.38823 ± 0.03252	0.9994	EXP 150 of 150
16D07477	18.5 %	0.8291031 ± 0.0014065	0.9424	EXP 150 of 150	11.9869856 ± 0.0188577	0.9323	EXP 150 of 150	1.0694406 ± 0.0160277	0.0830	EXP 150 of 150	63.669145 ± 0.021643	0.9974	EXP 150 of 150	299.07484 ± 0.03256	0.9981	EXP 150 of 150
16D07479	21.5 %	0.5339608 ± 0.0011524	0.9038	EXP 150 of 150	8.8255662 ± 0.0190189	0.8802	EXP 150 of 150	0.6808192 ± 0.0152847	0.0966	EXP 150 of 150	37.633274 ± 0.016298	0.9958	EXP 150 of 150	188.45403 ± 0.02584	0.9921	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D07437	1.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07439	1.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07440	2.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07441	2.1 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07443	2.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07444	2.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07445	2.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07447	2.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07448	3.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07449	3.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07451	3.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07452	3.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07453	3.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07455	4.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07456	4.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07457	4.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07459	4.9 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07460	5.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07461	5.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07463	5.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07464	6.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07465	6.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07467	7.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07468	7.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07469	8.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07471	9.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07472	9.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07473	11.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07475	13.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07476	15.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07477	18.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	01
16D07479	21.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	9.36	French Polynesia\Marquesas (14-INT-06)	16D07436	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
16D07437	1.8 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	21	7	1
16D07439	1.9 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	21	29	1
16D07440	2.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	21	41	1
16D07441	2.1 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	21	53	1
16D07443	2.2 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	22	14	1
16D07444	2.4 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	22	24	1
16D07445	2.6 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	22	35	1
16D07447	2.8 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	22	55	1
16D07448	3.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	23	5	1
16D07449	3.2 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	23	15	1
16D07451	3.4 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	23	35	1
16D07452	3.6 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	23	45	1
16D07453	3.8 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	22	FEB	2016	23	55	1
16D07455	4.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	0	15	1
16D07456	4.3 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	0	25	1
16D07457	4.6 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	0	35	1
16D07459	4.9 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	0	55	1
16D07460	5.2 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	1	5	1
16D07461	5.5 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	1	15	1
16D07463	5.8 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	1	35	1
16D07464	6.2 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	1	45	1
16D07465	6.6 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	1	55	1
16D07467	7.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	2	15	1
16D07468	7.6 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	2	25	1
16D07469	8.3 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	2	35	1
16D07471	9.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	2	55	1
16D07472	9.8 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	3	5	1
16D07473	11.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	3	15	1
16D07475	13.0 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	3	35	1
16D07476	15.5 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	3	45	1
16D07477	18.5 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	3	55	1
16D07479	21.5 %	HO-AT-03	Groundmass	Marquesas Islands	FCT-NM (6A4-15)	28.201	0.082	Kuiper et al (2008)	8.68656	0.142	0.00180939	0.142	304.752	0.171	0.99240041	0.071	1	4.8E-14	23	FEB	2016	4	16	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	
16D07437	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
16D07439	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
16D07440	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
16D07441	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
16D07443	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
16D07444	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
16D07445	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
16D07447	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
16D07448	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
16D07449	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
16D07451	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
16D07452	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
16D07453	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
16D07455	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
16D07456	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
16D07457	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
16D07459	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
16D07460	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
16D07461	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
16D07463	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
16D07464	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
16D07465	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
16D07467	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
16D07468	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
16D07469	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
16D07471	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
16D07472	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
16D07473	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
16D07475	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
16D07476	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
16D07477	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
16D07479	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

16D07436.AGE >>> HO-AT-03 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

2277.6 ± 16.5

TOTAL FUSION

2363.7 ± 25.1

NORMAL ISOCHRON

2243.4 ± 44.2

INVERSE ISOCHRON

2243.5 ± 44.2

MSWD (PROBABILITY)

0.67 (83%)

Sample Info

Groundmass

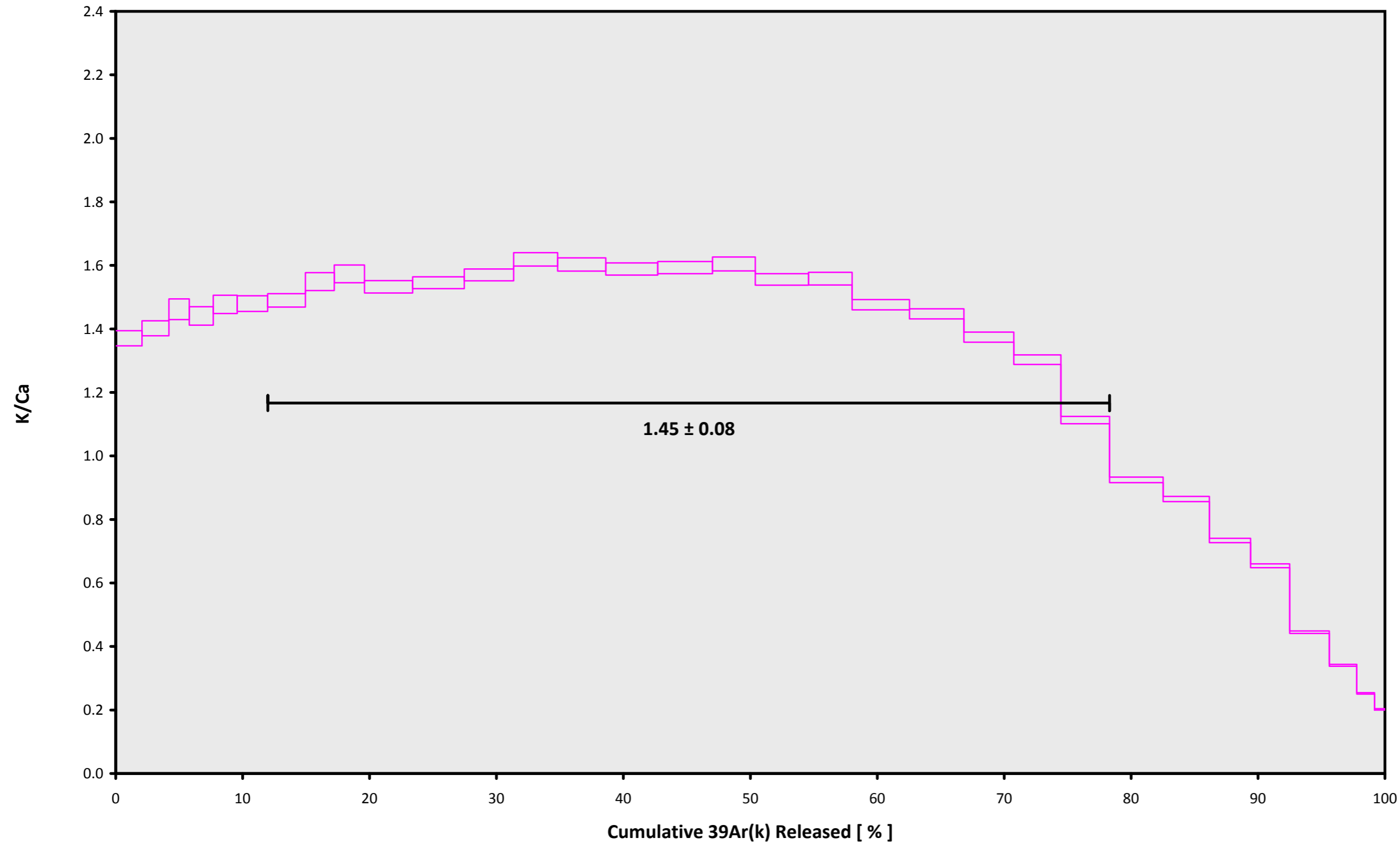
Marquesas Islands

Kevin Konrad

IRR = 15-OSU-06 (6A4-15)

J = $0.00180939 \pm 0.00000257$

16D07436.AGE >>> HO-AT-03 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

2277.6 ± 16.5

TOTAL FUSION

2363.7 ± 25.1

NORMAL ISOCHRON

2243.4 ± 44.2

INVERSE ISOCHRON

2243.5 ± 44.2

Sample Info

Groundmass

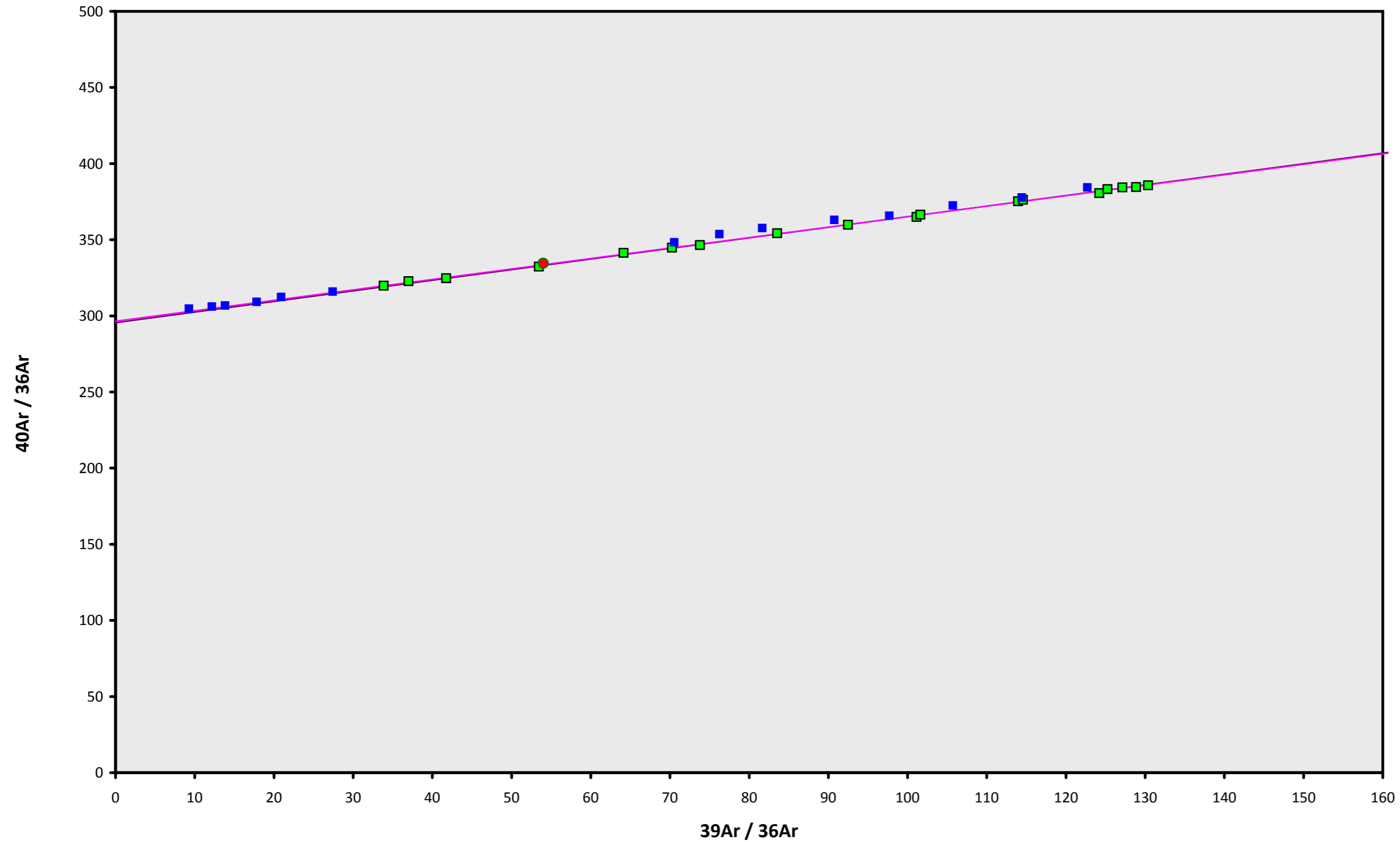
Marquesas Islands

Kevin Konrad

IRR = 15-OSU-06 (6A4-15)

J = 0.00180939 ± 0.00000257

16D07436.AGE >>> HO-AT-03 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

2277.6 ± 16.5

TOTAL FUSION

2363.7 ± 25.1

NORMAL ISOCHRON

2243.4 ± 44.2

INVERSE ISOCHRON

2243.5 ± 44.2

MSWD (PROBABILITY)

0.54 (93%)

40AR/36AR INTERCEPT

296.5 ± 1.3

Sample Info

Groundmass

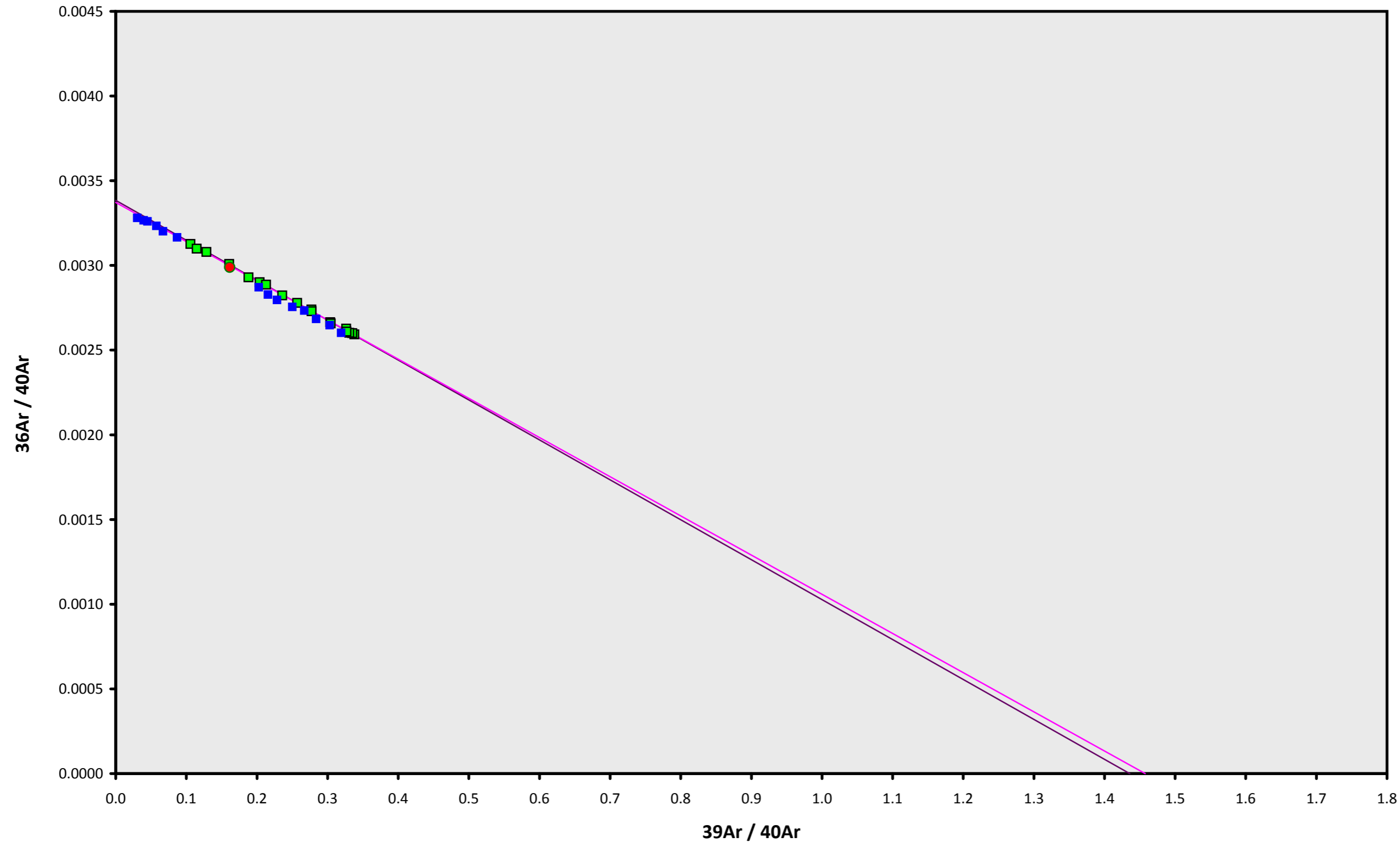
Marquesas Islands

Kevin Konrad

IRR = 15-OSU-06 (6A4-15)

$J = 0.00180939 \pm 0.00000257$

16D07436.AGE >>> HO-AT-03 >>> FRENCH POLYNESIA | MARQUESAS (14-INT-06) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

2277.6 ± 16.5

TOTAL FUSION

2363.7 ± 25.1

NORMAL ISOCHRON

2243.4 ± 44.2

INVERSE ISOCHRON

2243.5 ± 44.2

MSWD (PROBABILITY)

0.54 (93%)

SPREADING FACTOR

15.9%

40AR/36AR INTERCEPT

296.6 ± 1.3

Sample Info

Groundmass

Marquesas Islands

Kevin Konrad

IRR = 15-OSU-06 (6A4-15)

$J = 0.00180939 \pm 0.00000257$