Relative Abundances			36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D01989	0.9 %		0.1494907	0.728	14.8127	3.685	0.2146955	10.941	18.85395	0.158	518.620	0.014	25.23566 ± 0.08735	77.92 ± 0.26	91.69	3.22	0.547 ± 0.040
16D01991	1.1 %		0.0431086	1.463	15.6522	3.219	0.2410277	10.542	20.36927	0.151	508.191	0.014	24.39285 ± 0.07643	75.37 ± 0.23	97.72	3.48	0.559 ± 0.036
16D01992	1.3 %	✓	0.0304866	1.918	17.7102	2.927	0.2773153	8.924	22.97792	0.142	563.125	0.013	24.18459 ± 0.07054	74.74 ± 0.21	98.63	3.93	0.558 ± 0.033
16D01993	1.5 %	✓	0.0369672	1.538	19.5629	2.617	0.2956793	8.674	24.95002	0.129	612.871	0.012	24.19682 ± 0.06433	74.78 ± 0.19	98.45	4.26	0.548 ± 0.029
16D01995	1.6 %	✓	0.0198063	2.655	18.1172	2.813	0.2546497	9.264	21.42524	0.141	521.940	0.013	24.16436 ± 0.07006	74.68 ± 0.21	99.14	3.66	0.508 ± 0.029
16D01996	1.7 %	✓	0.0173091	2.999	18.1768	2.904	0.2460112	9.687	19.56547	0.153	475.617	0.015	24.13204 ± 0.07580	74.58 ± 0.23	99.21	3.34	0.463 ± 0.027
16D01997	1.8 %	✓	0.0171399	2.953	18.2946	2.653	0.2131144	11.948	18.39924	0.158	447.937	0.015	24.16076 ± 0.07861	74.67 ± 0.24	99.17	3.14	0.432 ± 0.023
16D01999	1.9 %	✓	0.0158526	3.220	19.3333	2.615	0.2173871	11.319	17.96199	0.161	435.831	0.016	24.10168 ± 0.08005	74.49 ± 0.24	99.26	3.07	0.399 ± 0.021
16D02000	2.0 %	✓	0.0165877	2.864	18.4531	2.813	0.1812559	13.350	15.52508	0.182	375.167	0.018	23.95846 ± 0.08960	74.06 ± 0.27	99.06	2.65	0.361 ± 0.020
16D02001	2.1 %	✓	0.0121785	4.085	17.7996	2.894	0.1653674	14.938	13.87893	0.200	336.230	0.020	24.08463 ± 0.09931	74.44 ± 0.30	99.33	2.37	0.335 ± 0.019
16D02003	2.2 %	✓	0.0096769	4.828	11.0490	4.630	0.0811501	30.262	8.83337	0.287	213.903	0.030	24.00654 ± 0.14226	74.20 ± 0.43	99.05	1.51	0.343 ± 0.032
16D02004	2.3 %	✓	0.0101949	4.729	14.7840	3.602	0.1174336	19.946	10.71730	0.255	259.478	0.025	24.05723 ± 0.12644	74.36 ± 0.38	99.27	1.83	0.311 ± 0.022
16D02005	2.4 %		0.0100569	4.640	15.6782	3.100	0.1072171	22.935	10.42198	0.249	250.610	0.026	23.90003 ± 0.12300	73.88 ± 0.37	99.29	1.78	0.286 ± 0.018
16D02007	2.5 %		0.0126214	3.921	18.0233	3.000	0.1633008	14.495	12.11046	0.223	291.557	0.023	23.90422 ± 0.11044	73.89 ± 0.33	99.19	2.07	0.289 ± 0.017
16D02008	2.6 %		0.0109465	4.355	17.7759	2.889	0.1075281	21.967	10.65695	0.256	255.372	0.026	23.81370 ± 0.12575	73.62 ± 0.38	99.27	1.82	0.258 ± 0.015
16D02009	2.7 %		0.0137695	3.471	21.0908	2.490	0.1409444	16.959	12.21709	0.227	291.528	0.023	23.68891 ± 0.11085	73.24 ± 0.34	99.16	2.09	0.249 ± 0.012
16D02011	2.8 %		0.0171336	2.872	26.7493	1.919	0.1655358	14.375	14.93474	0.183	356.812	0.019	23.71821 ± 0.08952	73.33 ± 0.27	99.15	2.55	0.240 ± 0.009
16D02012	2.9 %		0.0105136	4.582	17.7824	2.736	0.1040618	21.339	10.06948	0.248	239.356	0.027	23.62525 ± 0.12177	73.05 ± 0.37	99.27	1.72	0.243 ± 0.013
16D02013	3.0 %		0.0105003	4.541	16.7159	3.080	0.0841682	27.703	9.13575	0.282	218.528	0.030	23.75000 ± 0.13882	73.43 ± 0.42	99.17	1.56	0.235 ± 0.015
16D02015	3.2 %		0.0211463	2.455	30.9556	1.669	0.1765958	13.857	16.41161	0.175	387.618	0.018	23.41220 ± 0.08460	72.40 ± 0.26	99.00	2.80	0.228 ± 0.008
16D02016	3.4 %		0.0195894	2.552	29.4854	1.716	0.1554921	15.050	15.21851	0.186	359.237	0.018	23.40415 ± 0.09009	72.38 ± 0.27	99.02	2.60	0.222 ± 0.008
16D02017	3.6 %		0.0223121	2.344	27.5212	1.961	0.1359693	17.433	14.44449	0.187	339.816	0.020	23.24523 ± 0.09019	71.90 ± 0.27	98.68	2.47	0.225 ± 0.009
16D02019	3.8 %		0.0190099	2.679	28.2194	1.853	0.1357214	17.516	14.92840	0.192	346.633	0.020	23.01775 ± 0.09162	71.21 ± 0.28	99.00	2.55	0.227 ± 0.008
16D02020	4.0 %		0.0185423	2.671	26.5699	1.949	0.1616153	14.985	14.11455	0.199	327.004	0.020	22.95317 ± 0.09443	71.01 ± 0.29	98.95	2.41	0.228 ± 0.009
16D02021	4.3 %		0.0229276	2.349	29.5771	1.704	0.1645182	15.326	15.55468	0.182	357.103	0.019	22.69732 ± 0.08587	70.23 ± 0.26	98.74	2.66	0.226 ± 0.008
16D02023	4.6 %		0.0247231	2.134	29.6029	1.823	0.1313440	17.957	15.50255	0.184	351.574	0.019	22.38253 ± 0.08551	69.28 ± 0.26	98.57	2.65	0.225 ± 0.008
16D02024	4.9 %		0.0283303	1.892	31.6755	1.649	0.1725041	14.254	16.36355	0.176	366.626	0.018	22.07082 ± 0.08069	68.33 ± 0.25	98.38	2.79	0.222 ± 0.007
16D02025	5.2 %		0.0241837	2.190	24.8721	2.170	0.1511084	15.619	12.35304	0.217	277.361	0.024	22.05901 ± 0.09993	68.30 ± 0.30	98.11	2.11	0.213 ± 0.009
16D02027	5.5 %		0.0302364	1.802	31.0647	1.735	0.1727335	13.730	14.50941	0.197	321.123	0.020	21.71234 ± 0.08898	67.24 ± 0.27	97.96	2.48	0.201 ± 0.007
16D02028	5.8 %		0.0393451	1.445	38.0507	1.398	0.2164788	11.340	15.59096	0.178	344.903	0.020	21.60024 ± 0.08047	66.90 ± 0.24	97.48	2.66	0.176 ± 0.005
16D02029	6.2 %		0.0367001	1.571	33.9031	1.580	0.1444829	16.723	13.23414	0.209	290.559	0.022	21.37056 ± 0.09406	66.20 ± 0.29	97.17	2.26	0.168 ± 0.005
16D02031	6.6 %		0.0531250	1.132	51.6135	1.108	0.2223620	11.262	15.75396	0.186	344.176	0.019	21.15137 ± 0.08263	65.54 ± 0.25	96.60	2.69	0.131 ± 0.003
16D02032	7.0 %		0.0483588	1.300	41.8055	1.322	0.1630742	15.141	12.38094	0.226	271.298	0.024	21.06830 ± 0.10093	65.28 ± 0.31	95.93	2.11	0.127 ± 0.003
16D02033	7.6 %		0.0616754	1.062	55.5723	1.029	0.1680832	14.459	13.27341	0.197	289.585	0.023	20.82843 ± 0.08801	64.55 ± 0.27	95.20	2.26	0.102 ± 0.002
16D02035	8.3 %		0.0888642	0.907	89.6033	0.766	0.2509126	10.210	16.17136	0.181	348.230	0.020	20.41878 ± 0.08072	63.31 ± 0.25	94.47	2.76	0.077 ± 0.001
16D02036	9.0 %		0.1096775	0.756	123.8168	0.659	0.2304468	10.406	15.78332	0.172	337.857	0.020	20.07251 ± 0.07721	62.25 ± 0.24	93.27	2.68	0.055 ± 0.001
16D02037	9.8 %		0.0974274	0.871	118.6307	0.642	0.1478999	15.546	10.42107	0.259	224.814	0.029	19.85515 ± 0.11579	61.59 ± 0.35	91.33	1.77	0.037 ± 0.001
16D02039	11.0 %		0.1099907	0.792	167.0734	0.591	0.1446799	16.664	8.24635	0.303	179.437	0.036	19.67831 ± 0.13907	61.05 ± 0.42	89.20	1.39	0.021 ± 0.000
16D02040	13.0 %		0.0840527	0.909	141.9464	0.619	0.1245859	19.944	4.88273	0.517	108.927	0.057	19.89714 ± 0.23375	61.72 ± 0.71	87.44	0.82	0.015 ± 0.000
16D02041	15.5 %		0.1614826	0.652	342.0220	0.519	0.1312864	18.910	7.01891	0.367	154.079	0.041	19.63070 ± 0.18204	60.90 ± 0.56	86.48	1.16	0.009 ± 0.000
16D02043	18.5 %		0.1864253	0.647	420.4241	0.513	0.1188753	21.173	6.23847	0.413	141.949	0.045	20.13986 ± 0.22244	62.46 ± 0.68	84.48	1.02	0.006 ± 0.000
16D02044	21.5 %		0.0881096	0.884	168.9404	0.584	0.0543952	44.693	2.90107	0.861	71.680	0.086	21.14406 ± 0.42064	65.51 ± 1.28	82.21	0.48	0.007 ± 0.000
16D02046	24.5 %		0.0702298	1.010	137.8990	0.618	0.0487246	49.788	2.15225	1.155	53.876	0.114	21.35264 ± 0.56202	66.15 ± 1.71	81.61	0.35	0.006 ± 0.000
		Σ	1.9308061	0.217	2558.4064	0.184	7.1017333	2.238	586.45395	0.031	13768.139	0.003					

Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D02-04**
Material = **Groundmass**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-04 (4A22-15)**
Position = **X: 0 | Y: 0 | Z/H: 30.74 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.00786 ± 0.01468**
FCT-NM J-value = **0.00174485 ± 0.00000284**
Air Shot 40Ar/36Ar = **303.8360 ± 0.7869**
Air Shot MDF = **0.99313217 ± 0.00085470 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **3.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Mini Plateau**
Age Classification = **Unknown**
IGSN = **IEKK1-RR1310-D02-04GM**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **3°54.4'S - 175°37.8'E**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **36Ar**
Decay 40K = **5.530 ± 0.048 E-10 1/a**
Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
Atmospheric 40/36(a) = **295.50**
Atmospheric 38/36(a) = **0.1869**
Production 39/37(ca) = **0.0006756 ± 0.0000089**
Production 38/37(ca) = **0.0000718 ± 0.0000092**
Production 36/37(ca) = **0.0002663 ± 0.0000004**
Production 40/39(k) = **0.003823 ± 0.000102**
Production 38/39(k) = **0.012031 ± 0.000019**
Production 36/38(cl) = **262.80 ± 1.71**
Scaling Ratio K/Ca = **0.430**
Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		24.12893 ± 0.04641	**74.57 ± 0.28**	3.18	29.78	0.406 ± 0.052
Error Mean		± 0.19%	**± 0.37%**	0%	10	
		Full External Error ± 1.69		1.94	2σ Confidence Limit	
		Analytical Error ± 0.14		1.7832	Error Magnification	
Total Fusion Age		22.91108 ± 0.01505	**70.88 ± 0.23**		43	0.098 ± 0.000
		± 0.07%	**± 0.33%**			
		Full External Error ± 1.60				
		Analytical Error ± 0.05				
Normal Isochron	**416.88 ± 163.96**	24.02966 ± 0.14116	**74.27 ± 0.49**	2.60	29.78	
Error Chron	**± 39.33%**	± 0.59%	**± 0.66%**	1%	10	
		Full External Error ± 1.73		2.00	2σ Confidence Limit	
		Analytical Error ± 0.43		1.6132	Error Magnification	
				1	Number of Iterations	
				0.0000432929	Convergence	
Inverse Isochron	**445.11 ± 144.88**	24.00667 ± 0.13740	**74.20 ± 0.48**	2.45	29.78	
Error Chron	**± 32.55%**	± 0.57%	**± 0.65%**	1%	10	
		Full External Error ± 1.73		2.00	2σ Confidence Limit	
		Analytical Error ± 0.42		1.5654	Error Magnification	
				3	Number of Iterations	
				0.0001091723	Convergence	
				2%	Spreading Factor	

Notes
This plateau, although somewhat useable (despite the elevated MSWD) is questionable. The high K/Ca, coupled with the scattered isochron at this interval likely represent some altered recrystallization age and not an eruption age.

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D01989	0.9 %		0.1455461	14.8127	0.0000000	18.84395	475.539	77.92 ± 0.26	91.69	3.22	0.547 ± 0.040
16D01991	1.1 %		0.0389405	15.6522	0.0000000	20.35870	496.607	75.37 ± 0.23	97.72	3.48	0.559 ± 0.036
16D01992	1.3 %	✓	0.0257703	17.7102	0.0000000	22.96596	555.422	74.74 ± 0.21	98.63	3.93	0.558 ± 0.033
16D01993	1.5 %	✓	0.0317576	19.5629	0.0000000	24.93681	603.392	74.78 ± 0.19	98.45	4.26	0.548 ± 0.029
16D01995	1.6 %	✓	0.0149817	18.1172	0.0000000	21.41300	517.431	74.68 ± 0.21	99.14	3.66	0.508 ± 0.029
16D01996	1.7 %	✓	0.0124669	18.1768	0.0071316	19.55319	471.858	74.58 ± 0.23	99.21	3.34	0.463 ± 0.027
16D01997	1.8 %	✓	0.0122680	18.2946	0.0000000	18.38688	444.241	74.67 ± 0.24	99.17	3.14	0.432 ± 0.023
16D01999	1.9 %	✓	0.0107041	19.3333	0.0000000	17.94893	432.599	74.49 ± 0.24	99.26	3.07	0.399 ± 0.021
16D02000	2.0 %	✓	0.0116736	18.4531	0.0000000	15.51262	371.658	74.06 ± 0.27	99.06	2.65	0.361 ± 0.020
16D02001	2.1 %	✓	0.0074384	17.7996	0.0000000	13.86690	333.979	74.44 ± 0.30	99.33	2.37	0.335 ± 0.019
16D02003	2.2 %	✓	0.0067346	11.0490	0.0000000	8.82590	211.879	74.20 ± 0.43	99.05	1.51	0.343 ± 0.032
16D02004	2.3 %	✓	0.0062580	14.7840	0.0000000	10.70731	257.588	74.36 ± 0.38	99.27	1.83	0.311 ± 0.022
16D02005	2.4 %		0.0058818	15.6782	0.0000000	10.41139	248.833	73.88 ± 0.37	99.29	1.78	0.286 ± 0.018
16D02007	2.5 %		0.0078182	18.0233	0.0149910	12.09828	289.200	73.89 ± 0.33	99.19	2.07	0.289 ± 0.017
16D02008	2.6 %		0.0062128	17.7759	0.0000000	10.64494	253.495	73.62 ± 0.38	99.27	1.82	0.258 ± 0.015
16D02009	2.7 %		0.0081530	21.0908	0.0000000	12.20284	289.072	73.24 ± 0.34	99.16	2.09	0.249 ± 0.012
16D02011	2.8 %		0.0100103	26.7493	0.0000000	14.91667	353.797	73.33 ± 0.27	99.15	2.55	0.240 ± 0.009
16D02012	2.9 %		0.0057782	17.7824	0.0000000	10.05746	237.610	73.05 ± 0.37	99.27	1.72	0.243 ± 0.013
16D02013	3.0 %		0.0060489	16.7159	0.0000000	9.12446	216.706	73.43 ± 0.42	99.17	1.56	0.235 ± 0.015
16D02015	3.2 %		0.0129028	30.9556	0.0000000	16.39070	383.742	72.40 ± 0.26	99.00	2.80	0.228 ± 0.008
16D02016	3.4 %		0.0117375	29.4854	0.0000000	15.19859	355.710	72.38 ± 0.27	99.02	2.60	0.222 ± 0.008
16D02017	3.6 %		0.0149832	27.5212	0.0000000	14.42590	335.333	71.90 ± 0.27	98.68	2.47	0.225 ± 0.009
16D02019	3.8 %		0.0114951	28.2194	0.0000000	14.90933	343.179	71.21 ± 0.28	99.00	2.55	0.227 ± 0.008
16D02020	4.0 %		0.0114667	26.5699	0.0000000	14.09660	323.562	71.01 ± 0.29	98.95	2.41	0.228 ± 0.009
16D02021	4.3 %		0.0150513	29.5771	0.0000000	15.53469	352.596	70.23 ± 0.26	98.74	2.66	0.226 ± 0.008
16D02023	4.6 %		0.0168398	29.6029	0.0000000	15.48255	346.539	69.28 ± 0.26	98.57	2.65	0.225 ± 0.008
16D02024	4.9 %		0.0198951	31.6755	0.0000000	16.34215	360.685	68.33 ± 0.25	98.38	2.79	0.222 ± 0.007
16D02025	5.2 %		0.0175603	24.8721	0.0000000	12.33623	272.125	68.30 ± 0.30	98.11	2.11	0.213 ± 0.009
16D02027	5.5 %		0.0219639	31.0647	0.0000000	14.48842	314.577	67.24 ± 0.27	97.96	2.48	0.201 ± 0.007
16D02028	5.8 %		0.0292071	38.0507	0.0210224	15.56525	336.213	66.90 ± 0.24	97.48	2.66	0.176 ± 0.005
16D02029	6.2 %		0.0276717	33.9031	0.0000000	13.21123	282.331	66.20 ± 0.29	97.17	2.26	0.168 ± 0.005
16D02031	6.6 %		0.0393750	51.6135	0.0221807	15.71909	332.480	65.54 ± 0.25	96.60	2.69	0.131 ± 0.003
16D02032	7.0 %		0.0372250	41.8055	0.0044999	12.35270	260.250	65.28 ± 0.31	95.93	2.11	0.127 ± 0.003
16D02033	7.6 %		0.0468765	55.5723	0.0000000	13.23587	275.682	64.55 ± 0.27	95.20	2.26	0.102 ± 0.002
16D02035	8.3 %		0.0649935	89.6033	0.0385024	16.11083	328.963	63.31 ± 0.25	94.47	2.76	0.077 ± 0.001
16D02036	9.0 %		0.0767007	123.8168	0.0183387	15.69967	315.132	62.25 ± 0.24	93.27	2.68	0.055 ± 0.001
16D02037	9.8 %		0.0658354	118.6307	0.0026660	10.34092	205.321	61.59 ± 0.35	91.33	1.77	0.037 ± 0.001
16D02039	11.0 %		0.0654936	167.0734	0.0225895	8.13347	160.053	61.05 ± 0.42	89.20	1.39	0.021 ± 0.000
16D02040	13.0 %		0.0462407	141.9464	0.0481614	4.78683	95.244	61.72 ± 0.71	87.44	0.82	0.015 ± 0.000
16D02041	15.5 %		0.0703992	342.0220	0.0119071	6.78784	133.250	60.90 ± 0.56	86.48	1.16	0.009 ± 0.000
16D02043	18.5 %		0.0744656	420.4241	0.0031335	5.95443	119.921	62.46 ± 0.68	84.48	1.02	0.006 ± 0.000
16D02044	21.5 %		0.0431206	168.9404	0.0006764	2.78694	58.927	65.51 ± 1.28	82.21	0.48	0.007 ± 0.000
16D02046	24.5 %		0.0335054	137.8990	0.0077885	2.05908	43.967	66.15 ± 1.71	81.61	0.35	0.006 ± 0.000
		Σ	1.2494483	2558.4064	0.2235893	584.72550	13396.692				

Information on Analysis

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D02-04**
Material = **Groundmass**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-04 (4A22-15)**
J = **0.00174485 ± 0.00000284**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	24.12893	± 0.04641	**74.57**	**± 0.28**	3.18	29.78	0.406 ± 0.052
Error Mean		± 0.19%		**± 0.37%**	0%	10	
			Full External Error	± 1.69	1.94	2σ Confidence Limit	
			Analytical Error	± 0.14	1.7832	Error Magnification	
Total Fusion Age	22.91108	± 0.01505	**70.88**	**± 0.23**		43	0.098 ± 0.000
		± 0.07%		**± 0.33%**			
			Full External Error	± 1.60			
			Analytical Error	± 0.05			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D01989	0.9 %		129.47 ± 2.00	3562.78 ± 53.75	0.9785
16D01991	1.1 %		522.82 ± 17.39	13048.47 ± 432.12	0.9958
16D01992	**1.3 %**	✓	**891.18 ± 41.64**	**21848.27 ± 1018.96**	**0.9981**
16D01993	**1.5 %**	✓	**785.22 ± 28.99**	**19295.42 ± 710.63**	**0.9975**
16D01995	**1.6 %**	✓	**1429.28 ± 103.73**	**34833.03 ± 2526.06**	**0.9992**
16D01996	**1.7 %**	✓	**1568.41 ± 135.41**	**38144.38 ± 3291.20**	**0.9994**
16D01997	**1.8 %**	✓	**1498.76 ± 127.72**	**36506.78 ± 3108.83**	**0.9993**
16D01999	**1.9 %**	✓	**1676.82 ± 165.49**	**40709.80 ± 4015.64**	**0.9995**
16D02000	**2.0 %**	✓	**1328.86 ± 112.76**	**32133.02 ± 2724.05**	**0.9991**
16D02001	**2.1 %**	✓	**1864.23 ± 258.82**	**45194.73 ± 6271.95**	**0.9996**
16D02003	**2.2 %**	✓	**1310.53 ± 189.55**	**31756.90 ± 4589.69**	**0.9992**
16D02004	**2.3 %**	✓	**1710.99 ± 274.96**	**41457.14 ± 6659.03**	**0.9995**
16D02005	2.4 %		1770.11 ± 291.65	42601.23 ± 7016.03	0.9995
16D02007	2.5 %		1547.46 ± 204.18	37286.24 ± 4917.06	0.9994
16D02008	2.6 %		1713.38 ± 273.75	41097.51 ± 6562.77	0.9995
16D02009	2.7 %		1496.73 ± 182.99	35751.30 ± 4367.98	0.9993
16D02011	2.8 %		1490.13 ± 152.19	35638.82 ± 3637.50	0.9994
16D02012	2.9 %		1740.59 ± 300.67	41417.42 ± 7151.62	0.9996
16D02013	3.0 %		1508.45 ± 247.64	36121.18 ± 5926.50	0.9994
16D02015	3.2 %		1270.32 ± 105.88	30036.54 ± 2501.26	0.9991
16D02016	3.4 %		1294.88 ± 114.37	30601.06 ± 2700.38	0.9991
16D02017	3.6 %		962.81 ± 69.82	22676.15 ± 1642.20	0.9987
16D02019	3.8 %		1297.02 ± 119.27	30149.87 ± 2770.04	0.9991
16D02020	4.0 %		1229.35 ± 110.38	28512.91 ± 2557.51	0.9990
16D02021	4.3 %		1032.12 ± 76.25	23721.83 ± 1750.29	0.9988
16D02023	4.6 %		919.40 ± 59.83	20874.02 ± 1356.17	0.9984
16D02024	4.9 %		821.42 ± 45.83	18424.83 ± 1025.90	0.9980
16D02025	5.2 %		702.51 ± 44.03	15792.15 ± 987.41	0.9976
16D02027	5.5 %		659.65 ± 33.95	14618.00 ± 750.12	0.9970
16D02028	5.8 %		532.93 ± 21.47	11806.85 ± 473.87	0.9960
16D02029	6.2 %		477.43 ± 20.60	10498.41 ± 450.76	0.9952
16D02031	6.6 %		399.22 ± 12.68	8739.45 ± 275.60	0.9930
16D02032	7.0 %		331.84 ± 11.61	7286.79 ± 252.82	0.9915
16D02033	7.6 %		282.36 ± 8.18	6176.54 ± 177.29	0.9906
16D02035	8.3 %		247.88 ± 6.37	5356.98 ± 136.40	0.9898
16D02036	9.0 %		204.69 ± 4.64	4404.09 ± 98.59	0.9881
16D02037	9.8 %		157.07 ± 4.25	3414.20 ± 90.68	0.9810
16D02039	11.0 %		124.19 ± 3.54	2739.29 ± 76.34	0.9761
16D02040	13.0 %		103.52 ± 3.75	2355.25 ± 81.67	0.9560
16D02041	15.5 %		96.42 ± 3.27	2188.28 ± 72.26	0.9739
16D02043	18.5 %		79.96 ± 2.98	1905.93 ± 68.96	0.9716
16D02044	21.5 %		64.63 ± 2.73	1662.07 ± 63.65	0.9042
16D02046	24.5 %		61.46 ± 3.12	1607.73 ± 71.77	0.8780

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**416.88 ± 163.96**	24.02966 ± 0.14116	**74.27 ± 0.49**	2.60
Error Chron	**± 39.33%**	± 0.59%	**± 0.66%**	1%
			Full External Error ± 1.73	
			Analytical Error ± 0.43	

Statistics				
	2σ Confidence Limit	2.00	Convergence	0.000043292893
	Error Magnification	1.6132	Number of Iterations	1
	Number of Data Points	10	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D01989	0.9 %		0.0363398 ± 0.0001155	0.00028068 ± 0.00000423	0.0015
16D01991	1.1 %		0.0400672 ± 0.0001217	0.00007664 ± 0.00000254	0.0008
16D01992	1.3 %	✓	0.0407894 ± 0.0001161	0.00004577 ± 0.00000213	0.0005
16D01993	1.5 %	✓	0.0406948 ± 0.0001056	0.00005183 ± 0.00000191	0.0006
16D01995	1.6 %	✓	0.0410322 ± 0.0001162	0.00002871 ± 0.00000208	0.0003
16D01996	1.7 %	✓	0.0411177 ± 0.0001261	0.00002622 ± 0.00000226	0.0003
16D01997	1.8 %	✓	0.0410544 ± 0.0001305	0.00002739 ± 0.00000233	0.0004
16D01999	1.9 %	✓	0.0411897 ± 0.0001335	0.00002456 ± 0.00000242	0.0003
16D02000	2.0 %	✓	0.0413551 ± 0.0001512	0.00003112 ± 0.00000264	0.0004
16D02001	2.1 %	✓	0.0412488 ± 0.0001659	0.00002213 ± 0.00000307	0.0003
16D02003	2.2 %	✓	0.0412677 ± 0.0002380	0.00003149 ± 0.00000455	0.0004
16D02004	2.3 %	✓	0.0412713 ± 0.0002116	0.00002412 ± 0.00000387	0.0003
16D02005	2.4 %		0.0415507 ± 0.0002084	0.00002347 ± 0.00000387	0.0003
16D02007	2.5 %		0.0415021 ± 0.0001867	0.00002682 ± 0.00000354	0.0003
16D02008	2.6 %		0.0416907 ± 0.0002148	0.00002433 ± 0.00000389	0.0003
16D02009	2.7 %		0.0418649 ± 0.0001912	0.00002797 ± 0.00000342	0.0004
16D02011	2.8 %		0.0418121 ± 0.0001537	0.00002806 ± 0.00000286	0.0004
16D02012	2.9 %		0.0420256 ± 0.0002102	0.00002414 ± 0.00000417	0.0003
16D02013	3.0 %		0.0417608 ± 0.0002374	0.00002768 ± 0.00000454	0.0004
16D02015	3.2 %		0.0422926 ± 0.0001488	0.00003329 ± 0.00000277	0.0004
16D02016	3.4 %		0.0423149 ± 0.0001588	0.00003268 ± 0.00000288	0.0004
16D02017	3.6 %		0.0424590 ± 0.0001596	0.00004410 ± 0.00000319	0.0006
16D02019	3.8 %		0.0430189 ± 0.0001667	0.00003317 ± 0.00000305	0.0004
16D02020	4.0 %		0.0431155 ± 0.0001727	0.00003507 ± 0.00000315	0.0004
16D02021	4.3 %		0.0435092 ± 0.0001595	0.00004216 ± 0.00000311	0.0005
16D02023	4.6 %		0.0440452 ± 0.0001631	0.00004791 ± 0.00000311	0.0006
16D02024	4.9 %		0.0445820 ± 0.0001579	0.00005427 ± 0.00000302	0.0007
16D02025	5.2 %		0.0444847 ± 0.0001944	0.00006332 ± 0.00000396	0.0008
16D02027	5.5 %		0.0451257 ± 0.0001786	0.00006841 ± 0.00000351	0.0008
16D02028	5.8 %		0.0451371 ± 0.0001615	0.00008470 ± 0.00000340	0.0011
16D02029	6.2 %		0.0454762 ± 0.0001919	0.00009525 ± 0.00000409	0.0011
16D02031	6.6 %		0.0456797 ± 0.0001711	0.00011442 ± 0.00000361	0.0013
16D02032	7.0 %		0.0455399 ± 0.0002076	0.00013723 ± 0.00000476	0.0015
16D02033	7.6 %		0.0457143 ± 0.0001815	0.00016190 ± 0.00000465	0.0018
16D02035	8.3 %		0.0462730 ± 0.0001694	0.00018667 ± 0.00000475	0.0016
16D02036	9.0 %		0.0464767 ± 0.0001622	0.00022706 ± 0.00000508	0.0020
16D02037	9.8 %		0.0460057 ± 0.0002418	0.00029289 ± 0.00000778	0.0023
16D02039	11.0 %		0.0453355 ± 0.0002812	0.00036506 ± 0.00001017	0.0030
16D02040	13.0 %		0.0439528 ± 0.0004670	0.00042458 ± 0.00001472	0.0036
16D02041	15.5 %		0.0440617 ± 0.0003390	0.00045698 ± 0.00001509	0.0027
16D02043	18.5 %		0.0419545 ± 0.0003696	0.00052468 ± 0.00001898	0.0026
16D02044	21.5 %		0.0388861 ± 0.0007020	0.00060166 ± 0.00002304	0.0043
16D02046	24.5 %		0.0382248 ± 0.0009280	0.00062199 ± 0.00002777	0.0048

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**445.11 ± 144.88**	24.00667 ± 0.13740	**74.20 ± 0.48**	2.45
Error Chron	**± 32.55%**	± 0.57%	**± 0.65%**	1%
			Full External Error ± 1.73	
			Analytical Error ± 0.42	

Statistics				
	2σ Confidence Limit	2.00	Convergence	0.0001091723
	Error Magnification	1.5654	Number of Iterations	3
	Number of Data Points	10	Calculated Line	Weighted York-2
	Spreading Factor	1.6%		

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]	%1σ
16D01989	0.9 %		0.1455461	0.75	0.0000000	0.00	0.0039446	3.69	0.0000000	0.00	14.8127	3.69	0.0272026	0.75	0.0000000	0.00	0.2267115	0.23	0.0010636	13.34	0.0000000	0.00	18.84395	0.16	0.0100075	3.91	475.539	0.07	43.00887	0.75	0.0000000	0.00	0.0720404	2.66
16D01991	1.1 %		0.0389405	1.66	0.0000000	0.00	0.0041682	3.22	0.0000000	0.00	15.6522	3.22	0.0072780	1.66	0.0000000	0.00	0.2449355	0.22	0.0011238	13.22	0.0000000	0.00	20.35870	0.15	0.0105747	3.48	496.607	0.04	11.50690	1.66	0.0000000	0.00	0.0778313	2.66
16D01992	1.3 %	✓	0.0257703	2.33	0.0000000	0.00	0.0047162	2.93	0.0000000	0.00	17.7102	2.93	0.0048165	2.33	0.0000000	0.00	0.2763034	0.21	0.0012716	13.15	0.0000000	0.00	22.96596	0.14	0.0119650	3.21	555.422	0.03	7.61514	2.33	0.0000000	0.00	0.0877989	2.66
16D01993	1.5 %	✓	0.0317576	1.84	0.0000000	0.00	0.0052096	2.62	0.0000000	0.00	19.5629	2.62	0.0059355	1.84	0.0000000	0.00	0.3000147	0.21	0.0014046	13.08	0.0000000	0.00	24.93681	0.13	0.0132167	2.93	603.392	0.03	9.38437	1.84	0.0000000	0.00	0.0953334	2.66
16D01995	1.6 %	✓	0.0149817	3.63	0.0000000	0.00	0.0048246	2.82	0.0000000	0.00	18.1172	2.81	0.0028001	3.63	0.0000000	0.00	0.2576198	0.21	0.0013008	13.12	0.0000000	0.00	21.41300	0.14	0.0122400	3.11	517.431	0.03	4.42710	3.63	0.0000000	0.00	0.0818619	2.66
16D01996	1.7 %	✓	0.0124669	4.31	0.0000000	0.00	0.0048405	2.91	0.0000017	334.28	18.1768	2.90	0.0023301	4.31	0.0000000	0.00	0.2352444	0.22	0.0013051	13.14	0.0071316	334.28	19.55319	0.15	0.0122803	3.19	471.858	0.04	3.68397	4.31	0.0000000	0.00	0.0747518	2.66
16D01997	1.8 %	✓	0.0122680	4.26	0.0000000	0.00	0.0048719	2.66	0.0000000	0.00	18.2946	2.65	0.0022929	4.26	0.0000000	0.00	0.2212125	0.22	0.0013136	13.09	0.0000000	0.00	18.38688	0.16	0.0123599	2.96	444.241	0.04	3.62520	4.26	0.0000000	0.00	0.0702930	2.66
16D01999	1.9 %	✓	0.0107041	4.93	0.0000000	0.00	0.0051485	2.62	0.0000000	0.00	19.3333	2.62	0.0020006	4.93	0.0000000	0.00	0.2159435	0.23	0.0013881	13.08	0.0000000	0.00	17.94893	0.16	0.0130616	2.93	432.599	0.04	3.16307	4.93	0.0000000	0.00	0.0686187	2.66
16D02000	2.0 %	✓	0.0116736	4.24	0.0000000	0.00	0.0049141	2.82	0.0000000	0.00	18.4531	2.81	0.0021818	4.24	0.0000000	0.00	0.1866323	0.24	0.0013249	13.12	0.0000000	0.00	15.51262	0.18	0.0124669	3.11	371.658	0.04	3.44955	4.24	0.0000000	0.00	0.0593047	2.67
16D02001	2.1 %	✓	0.0074384	6.94	0.0000000	0.00	0.0047400	2.90	0.0000000	0.00	17.7996	2.89	0.0013902	6.94	0.0000000	0.00	0.1668327	0.26	0.0012780	13.14	0.0000000	0.00	13.86690	0.20	0.0120254	3.18	333.979	0.05	2.19805	6.94	0.0000000	0.00	0.0530132	2.67
16D02003	2.2 %	✓	0.0067346	7.23	0.0000000	0.00	0.0029424	4.63	0.0000000	0.00	11.0490	4.63	0.0012587	7.23	0.0000000	0.00	0.1061844	0.33	0.0007933	13.63	0.0000000	0.00	8.82590	0.29	0.0074647	4.81	211.879	0.07	1.99007	7.23	0.0000000	0.00	0.0337414	2.68
16D02004	2.3 %	✓	0.0062580	8.03	0.0000000	0.00	0.0039370	3.60	0.0000000	0.00	14.7840	3.60	0.0011696	8.03	0.0000000	0.00	0.1288196	0.30	0.0010615	13.32	0.0000000	0.00	10.70731	0.26	0.0099880	3.84	257.588	0.06	1.84923	8.03	0.0000000	0.00	0.0409340	2.67
16D02005	2.4 %		0.0058818	8.23	0.0000000	0.00	0.0041751	3.10	0.0000000	0.00	15.6782	3.10	0.0010993	8.23	0.0000000	0.00	0.1252594	0.30	0.0011257	13.19	0.0000000	0.00	10.41139	0.25	0.0105922	3.37	248.833	0.06	1.73806	8.23	0.0000000	0.00	0.0398027	2.67
16D02007	2.5 %		0.0078182	6.59	0.0000000	0.00	0.0047996	3.00	0.0000036	157.94	18.0233	3.00	0.0014612	6.59	0.0000000	0.00	0.1455545	0.28	0.0012941	13.17	0.0149910	157.94	12.09828	0.22	0.0121765	3.28	289.200	0.06	2.31027	6.59	0.0000000	0.00	0.0462517	2.67
16D02008	2.6 %		0.0062128	7.98	0.0000000	0.00	0.0047337	2.89	0.0000000	0.00	17.7759	2.89	0.0011612	7.98	0.0000000	0.00	0.1280692	0.30	0.0012763	13.14	0.0000000	0.00	10.64494	0.26	0.0120094	3.18	253.495	0.06	1.83589	7.98	0.0000000	0.00	0.0406956	2.67
16D02009	2.7 %		0.0081530	6.11	0.0000000	0.00	0.0056165	2.49	0.0000000	0.00	21.0908	2.49	0.0015238	6.11	0.0000000	0.00	0.1468123	0.28	0.0015143	13.06	0.0000000	0.00	12.20284	0.23	0.0142490	2.82	289.072	0.06	2.40922	6.11	0.0000000	0.00	0.0466514	2.67
16D02011	2.8 %		0.0100103	5.10	0.0000000	0.00	0.0071233	1.92	0.0000000	0.00	26.7493	1.92	0.0018709	5.10	0.0000000	0.00	0.1794624	0.24	0.0019206	12.96	0.0000000	0.00	14.91667	0.18	0.0180718	2.33	353.797	0.05	2.95804	5.10	0.0000000	0.00	0.0570264	2.67
16D02012	2.9 %		0.0057782	8.63	0.0000000	0.00	0.0047355	2.74	0.0000000	0.00	17.7824	2.74	0.0010799	8.63	0.0000000	0.00	0.1210014	0.30	0.0012768	13.11	0.0000000	0.00	10.05746	0.25	0.0120138	3.04	237.610	0.07	1.70745	8.63	0.0000000	0.00	0.0384497	2.67
16D02013	3.0 %		0.0060489	8.20	0.0000000	0.00	0.0044514	3.08	0.0000000	0.00	16.7159	3.08	0.0011305	8.20	0.0000000	0.00	0.1097764	0.32	0.0012002	13.18	0.0000000	0.00	9.12446	0.28	0.0112932	3.35	216.706	0.07	1.78745	8.20	0.0000000	0.00	0.0348828	2.67
16D02015	3.2 %		0.0129028	4.16	0.0000000	0.00	0.0082435	1.68	0.0000000	0.00	30.9556	1.67	0.0024115	4.16	0.0000000	0.00	0.1971965	0.24	0.0022226	12.93	0.0000000	0.00	16.39070	0.17	0.0209136	2.13	383.742	0.05	3.81277	4.16	0.0000000	0.00	0.0626616	2.67
16D02016	3.4 %		0.0117375	4.41	0.0000000	0.00	0.0078520	1.72	0.0000000	0.00	29.4854	1.72	0.0021937	4.41	0.0000000	0.00	0.1828542	0.25	0.0021171	12.93	0.0000000	0.00	15.19859	0.19	0.0199204	2.17	355.710	0.05	3.46842	4.41	0.0000000	0.00	0.0581042	2.67
16D02017	3.6 %		0.0149832	3.62	0.0000000	0.00	0.0073289	1.97	0.0000000	0.00	27.5212	1.96	0.0028004	3.62	0.0000000	0.00	0.1735580	0.25	0.0019760	12.97	0.0000000	0.00	14.42590	0.19	0.0185933	2.36	335.333	0.05	4.42753	3.62	0.0000000	0.00	0.0551502	2.67
16D02019	3.8 %		0.0114951	4.59	0.0000000	0.00	0.0075148	1.86	0.0000000	0.00	28.2194	1.85	0.0021484	4.59	0.0000000	0.00	0.1793742	0.25	0.0020262	12.95	0.0000000	0.00	14.90933	0.19	0.0190650	2.27	343.179	0.05	3.39680	4.59	0.0000000	0.00	0.0569984	2.67
16D02020	4.0 %		0.0114667	4.48	0.0000000	0.00	0.0070756	1.95	0.0000000	0.00	26.5699	1.95	0.0021431	4.48	0.0000000	0.00	0.1695962	0.26	0.0019077	12.97	0.0000000	0.00	14.09660	0.20	0.0179506	2.35	323.562	0.05	3.38842	4.48	0.0000000	0.00	0.0538913	2.67
16D02021	4.3 %		0.0150513	3.69	0.0000000	0.00	0.0078764	1.71	0.0000000	0.00	29.5771	1.70	0.0028131	3.69	0.0000000	0.00	0.1868979	0.24	0.0021236	12.93	0.0000000	0.00	15.53469	0.18	0.0199823	2.16	352.596	0.05	4.44765	3.69	0.0000000	0.00	0.0593891	2.67
16D02023	4.6 %		0.0168398	3.25	0.0000000	0.00	0.0078833	1.83	0.0000000	0.00	29.6029	1.82	0.0031474	3.25	0.0000000	0.00	0.1862706	0.24	0.0021255	12.95	0.0000000	0.00	15.48255	0.18	0.0199997	2.25	346.539	0.05	4.97617	3.25	0.0000000	0.00	0.0591898	2.67
16D02024	4.9 %		0.0198951	2.78	0.0000000	0.00	0.0084352	1.66	0.0000000	0.00	31.6755	1.65	0.0037184	2.78	0.0000000	0.00	0.1966124	0.24	0.0022743	12.93	0.0000000	0.00	16.34215	0.18	0.0213999	2.11	360.685	0.05	5.87900	2.78	0.0000000	0.00	0.0624760	2.67
16D02025	5.2 %		0.0175603	3.13	0.0000000	0.00	0.0066234	2.18	0.0000000	0.00	24.8721	2.17	0.0032820	3.13	0.0000000	0.00	0.1484172	0.27	0.0017858	13.00	0.0000000	0.00	12.33623	0.22	0.0168036	2.54	272.125	0.06	5.18905	3.13	0.0000000	0.00	0.0471614	2.67
16D02027	5.5 %		0.0219639	2.57	0.0000000	0.00	0.0082725	1.74	0.0000000	0.00	31.0647	1.74	0.0041050	2.57	0.0000000	0.00	0.1743102	0.25	0.0022304	12.94	0.0000000	0.00	14.48842	0.20	0.0209873	2.18	314.577	0.06	6.49032	2.57	0.0000000	0.00	0.0553892	2.67
16D02028	5.8 %		0.0292071	2.01	0.0000000	0.00	0.0101329	1.41	0.0000051	116.82	38.0507	1.40	0.0054588	2.01	0.0000000	0.00	0.1872655	0.24	0.0027320	12.90	0.0210224	116.82	15.56525	0.18	0.0257070	1.92	336.213	0.06	8.63069	2.01	0.0000000	0.00	0.0595060	2.67
16D02029	6.2 %		0.0276717	2.15	0.0000000	0.00	0.0090284	1.59	0.0000000	0.00	33.9031	1.58	0.0051718	2.15	0.0000000	0.00	0.1589444	0.26	0.0024342	12.92	0.0000000	0.00	13.21123	0.21	0.0229049	2.06	282.331	0.07	8.17698	2.15	0.0000000	0.00	0.0505065	2.67
16D02031	6.6 %		0.0393750	1.58	0.0000000	0.00	0.0137447	1.12	0.0000054	112.95	51.6135	1.11	0.0073592	1.58	0.0000000	0.00	0.1891163	0.25	0.0037058	12.87	0.0221807	112.96	15.71909	0.19	0.0348701	1.72	332.480	0.06	11.63531	1.58	0.0000000	0.00	0.0600941	2.67
16D02032	7.0 %		0.0372250	1.73	0.0000000	0.00	0.0111328	1.33	0.0000011	548.88	41.8055	1.32	0.0069573	1.73	0.0000000	0.00	0.1486153	0.28	0.0030016	12.89	0.0044999	548.88	12.35270	0.23	0.0282438	1.87	260.250	0.08	10.99997	1.73	0.0000000	0.00	0.0472244	2.67
16D02033	7.6 %		0.0468765	1.43	0.0000000	0.00	0.0147989	1.04	0.0000000	0.00	55.5723	1.03	0.0087612	1.43	0.0000000	0.00	0.1592407	0.25	0.0039901	12.86	0.0000000	0.00	13.23587	0.20	0.0375447	1.67	275.682	0.08	13.85199	1.43	0.0000000	0.00	0.0506007	2.67
16D02035	8.3 %		0.0649935	1.27	0.0000000	0.00	0.0238614	0.78	0.0000093	66.59	89.6033	0.77	0.0121473	1.27	0.0000000	0.00	0.1938293	0.24	0.0064335	12.84	0.0385024	66.60	16.11083	0.18	0.0605360	1.53	328.963	0.08	19.20557	1.27	0.0000000	0.00	0.0615917	2.67
16D02036	9.0 %		0.0767007	1.12	0.0000000	0.00	0.0329724	0.68	0.0000044	130.95	123.8168	0.66	0.0143354	1.12	0.0000000	0.00	0.1888827	0.24	0.0088900	12.84	0.0183387	130.95	15.69967	0.17	0.0836507	1.48	315.132	0.08	22.66505	1.12	0.0000000	0.00	0.0600198	2.67
16D02037	9.8 %		0.0658354	1.33	0.0000000	0.00	0.0315914	0.66	0.0000006	863.59	118.6307	0.64	0.0123046	1.33	0.0000000	0.00	0.1244116	0.31	0.0085177	12.84	0.0026660	863.59	10.34092	0.26	0.0801469	1.47	205.321	0.13	19.45435	1.33	0.0000000	0.00	0.0395333	2.67
16D02039	11.0 %		0.0654936	1.39	0.0000000	0.00	0.0444916	0.61	0.0000055	106.97	167.0734	0.59	0.0122408	1.39	0.0000000	0.00	0.0978538	0.35	0.0119959	12.83	0.0225895	106.97	8.13347	0.31	0.1128748	1.45	160.053	0.17	19.35336	1.39	0.0000000	0.00	0.0310943	2.68
16D02040	13.0 %		0.0462407	1.73	0.0000000	0.00	0.0378003	0.64	0.0000117	51.68	141.9464	0.62	0.0086424	1.73	0.0000000	0.00	0.0575903	0.55	0.0101918	12.83	0.0481614	51.69	4.78683	0.53	0.0958990	1.46	95.244	0.26	13.66413	1.73	0.0000000	0.00	0.0183001	2.71
16D02041	15.5 %		0.0703992	1.65	0.0000000	0.00	0.0910805	0.54	0.0000029	210.22	342.0220	0.52	0.0131576	1.65	0.0000000	0.00	0.0816645	0.41	0.0245572	12.83	0.0119071	210.22	6.78784	0.38	0.2310701	1.42	133.250	0.26	20.80297	1.65	0.0000000	0.00	0.0259499	2.69
16D02043	18.5 %		0.0744656	1.81	0.0000000	0.00	0.1119589	0.53	0.0000008	812.83	420.4241	0.51	0.0139176	1.81	0.0000000	0.00	0.0716378	0.47	0.0301864	12.83	0.0031335	812.83	5.95443	0.44	0.2840385	1.42	119.921	0.34	22.00458	1.81	0.0000000	0.00	0.0227638	2.70
16D02044	21.5 %		0.0431206	1.91	0.0000000	0.00	0.0449888	0.60	0.0000002	######	168.9404	0.58	0.0080592	1.91	0.0000000	0.00	0.0335296	0.91	0.0121299	12.83	0.0006764	######	2.78694	0.90	0.1141361	1.44	58.927	0.43	12.74213	1.91	0.0000000	0.00	0.0106545	2.81
16D02046	24.5 %		0.0335054	2.23	0.0000000	0.00	0.0367225	0.64	0.0000019	311.94	137.8990	0.62	0.0062622	2.23	0.0000000	0.00	0.0247728	1.22	0.0099012	12.83	0.0077885	311.94	2.05908	1.21	0.0931646	1.46	43.967	0.52	9.90084	2.23	0.0000000	0.00	0.0078719	2.92
	Σ		1.2494483	0.35	0.0000000	0.00	0.6813036	0.19	0.0000542	40.98	2558.4064	0.18	0.2335219	0.35	0.0000000	0.00	7.0348324	0.04	0.1836936	3.37	0.2235893	40.98	584.72550	0.03	1.7284594	0.39	13396.692	0.01	369.21196	0.35	0.0000000	0.00	2.2354056	0.43
	Σ								1.9308061	0.24	2558.4064	0.18									7.6756372	1.20			586.45395	0.03							13768.139	0.01

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D01989	0.9 %		27.507241	0.043694	0.785655	0.028979	0.007929	0.000059	148.888	18.978256	1.00105199	2.489E-11
16D01991	1.1 %		24.948918	0.037864	0.768425	0.024766	0.002116	0.000031	148.906	18.985025	1.00105211	2.439E-11
16D01992	1.3 %	✓	24.507228	0.034845	0.770749	0.022590	0.001327	0.000026	148.916	18.988932	1.00105219	2.703E-11
16D01993	1.5 %	✓	24.563954	0.031863	0.784083	0.020542	0.001482	0.000023	148.926	18.992579	1.00105225	2.942E-11
16D01995	1.6 %	✓	24.361005	0.034470	0.845602	0.023813	0.000924	0.000025	148.944	18.999614	1.00105239	2.505E-11
16D01996	1.7 %	✓	24.309000	0.037258	0.929027	0.027014	0.000885	0.000027	148.954	19.003263	1.00105246	2.283E-11
16D01997	1.8 %	✓	24.345384	0.038662	0.994315	0.026423	0.000932	0.000028	148.964	19.006912	1.00105252	2.150E-11
16D01999	1.9 %	✓	24.264074	0.039298	1.076344	0.028204	0.000883	0.000028	148.982	19.013692	1.00105265	2.092E-11
16D02000	2.0 %	✓	24.165237	0.044131	1.188599	0.033504	0.001068	0.000031	148.992	19.017344	1.00105272	1.801E-11
16D02001	2.1 %	✓	24.225956	0.048657	1.282492	0.037204	0.000877	0.000036	149.001	19.020735	1.00105278	1.614E-11
16D02003	2.2 %	✓	24.215360	0.069771	1.250831	0.058019	0.001095	0.000053	149.019	19.027520	1.00105291	1.027E-11
16D02004	2.3 %	✓	24.211177	0.062008	1.379449	0.049807	0.000951	0.000045	149.028	19.030913	1.00105298	1.245E-11
16D02005	2.4 %		24.046331	0.060238	1.504338	0.046788	0.000965	0.000045	149.037	19.034307	1.00105304	1.203E-11
16D02007	2.5 %		24.074775	0.054083	1.488239	0.044772	0.001042	0.000041	149.055	19.041096	1.00105317	1.399E-11
16D02008	2.6 %		23.962955	0.061652	1.668013	0.048378	0.001027	0.000045	149.063	19.044231	1.00105323	1.226E-11
16D02009	2.7 %		23.862300	0.054422	1.726339	0.043167	0.001127	0.000039	149.072	19.047366	1.00105328	1.399E-11
16D02011	2.8 %		23.891391	0.043857	1.791076	0.034521	0.001147	0.000033	149.089	19.053898	1.00105341	1.713E-11
16D02012	2.9 %		23.770447	0.059378	1.765973	0.048521	0.001044	0.000048	149.098	19.057296	1.00105347	1.149E-11
16D02013	3.0 %		23.920113	0.067912	1.829721	0.056595	0.001149	0.000052	149.106	19.060433	1.00105353	1.049E-11
16D02015	3.2 %		23.618506	0.041479	1.886201	0.031654	0.001288	0.000032	149.124	19.066971	1.00105365	1.861E-11
16D02016	3.4 %		23.605243	0.044218	1.937473	0.033445	0.001287	0.000033	149.133	19.070371	1.00105372	1.724E-11
16D02017	3.6 %		23.525642	0.044162	1.905304	0.037529	0.001545	0.000036	149.141	19.073510	1.00105378	1.631E-11
16D02019	3.8 %		23.219712	0.044924	1.890314	0.035207	0.001273	0.000034	149.158	19.080052	1.00105390	1.664E-11
16D02020	4.0 %		23.167863	0.046327	1.882448	0.036874	0.001314	0.000035	149.167	19.083193	1.00105396	1.570E-11
16D02021	4.3 %		22.957915	0.042032	1.901494	0.032589	0.001474	0.000035	149.176	19.086596	1.00105402	1.714E-11
16D02023	4.6 %		22.678459	0.041943	1.909551	0.034991	0.001595	0.000034	149.193	19.093142	1.00105414	1.688E-11
16D02024	4.9 %		22.405046	0.039611	1.935733	0.032104	0.001731	0.000033	149.201	19.096285	1.00105420	1.760E-11
16D02025	5.2 %		22.452880	0.048983	2.013437	0.043913	0.001958	0.000043	149.210	19.099691	1.00105427	1.331E-11
16D02027	5.5 %		22.132067	0.043735	2.141002	0.037386	0.002084	0.000038	149.228	19.106241	1.00105439	1.541E-11
16D02028	5.8 %		22.122011	0.039515	2.440560	0.034395	0.002524	0.000037	149.236	19.109386	1.00105445	1.656E-11
16D02029	6.2 %		21.955261	0.046247	2.561788	0.040826	0.002773	0.000044	149.244	19.112532	1.00105451	1.395E-11
16D02031	6.6 %		21.846936	0.040820	3.276222	0.036809	0.003372	0.000039	149.262	19.119087	1.00105463	1.652E-11
16D02032	7.0 %		21.912510	0.049824	3.376597	0.045277	0.003906	0.000052	149.271	19.122497	1.00105469	1.302E-11
16D02033	7.6 %		21.816917	0.043165	4.186742	0.043878	0.004647	0.000050	149.279	19.125645	1.00105475	1.390E-11
16D02035	8.3 %		21.533776	0.039248	5.540865	0.043636	0.005495	0.000051	149.297	19.132204	1.00105487	1.672E-11
16D02036	9.0 %		21.405945	0.037123	7.844792	0.053470	0.006949	0.000054	149.306	19.135616	1.00105494	1.622E-11
16D02037	9.8 %		21.573070	0.056201	11.383739	0.078798	0.009349	0.000085	149.314	19.138766	1.00105500	1.079E-11
16D02039	11.0 %		21.759629	0.066425	20.260289	0.134500	0.013338	0.000113	149.331	19.145330	1.00105512	8.613E-12
16D02040	13.0 %		22.308561	0.116035	29.071130	0.234489	0.017214	0.000180	149.340	19.148744	1.00105518	5.228E-12
16D02041	15.5 %		21.951979	0.081064	48.728638	0.309896	0.023007	0.000172	149.349	19.151897	1.00105524	7.396E-12
16D02043	18.5 %		22.753775	0.094580	67.392157	0.443655	0.029883	0.000229	149.367	19.158728	1.00105537	6.814E-12
16D02044	21.5 %		24.708078	0.213874	58.233756	0.606050	0.030371	0.000375	149.376	19.162145	1.00105543	3.441E-12
16D02046	24.5 %		25.032237	0.290397	64.072173	0.839023	0.032631	0.000501	149.393	19.168717	1.00105556	2.586E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D01989	0.9 %	0.0065638 ± 0.0003924	0.0005844 ± 0.0184168	0.0188094 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01991	1.1 %	0.0065057 ± 0.0003924	0.0059677 ± 0.0184168	0.0148522 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01992	1.3 %	0.0064816 ± 0.0003924	0.0086367 ± 0.0184168	0.0132106 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01993	1.5 %	0.0064644 ± 0.0003924	0.0105014 ± 0.0184168	0.0120467 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01995	1.6 %	0.0064430 ± 0.0003924	0.0126667 ± 0.0184168	0.0106616 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01996	1.7 %	0.0064368 ± 0.0003924	0.0131793 ± 0.0184168	0.0103195 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01997	1.8 %	0.0064332 ± 0.0003924	0.0133593 ± 0.0184168	0.0101894 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D01999	1.9 %	0.0064317 ± 0.0003924	0.0130112 ± 0.0184168	0.0104011 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02000	2.0 %	0.0064327 ± 0.0003924	0.0125559 ± 0.0184168	0.0107041 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02001	2.1 %	0.0064343 ± 0.0003924	0.0120212 ± 0.0184168	0.0110722 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02003	2.2 %	0.0064381 ± 0.0003924	0.0107733 ± 0.0184168	0.0119749 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02004	2.3 %	0.0064398 ± 0.0003924	0.0101239 ± 0.0184168	0.0124713 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02005	2.4 %	0.0064410 ± 0.0003924	0.0094956 ± 0.0184168	0.0129743 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02007	2.5 %	0.0064412 ± 0.0003924	0.0083990 ± 0.0184168	0.0139367 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02008	2.6 %	0.0064400 ± 0.0003924	0.0080015 ± 0.0184168	0.0143360 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02009	2.7 %	0.0064378 ± 0.0003924	0.0076917 ± 0.0184168	0.0146930 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02011	2.8 %	0.0064299 ± 0.0003924	0.0073736 ± 0.0184168	0.0152625 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02012	2.9 %	0.0064237 ± 0.0003924	0.0074019 ± 0.0184168	0.0154475 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02013	3.0 %	0.0064169 ± 0.0003924	0.0075533 ± 0.0184168	0.0155413 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02015	3.2 %	0.0063988 ± 0.0003924	0.0082643 ± 0.0184168	0.0154766 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02016	3.4 %	0.0063875 ± 0.0003924	0.0088438 ± 0.0184168	0.0152947 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02017	3.6 %	0.0063760 ± 0.0003924	0.0095017 ± 0.0184168	0.0150326 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02019	3.8 %	0.0063490 ± 0.0003924	0.0112226 ± 0.0184168	0.0141894 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02020	4.0 %	0.0063348 ± 0.0003924	0.0121979 ± 0.0184168	0.0136414 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02021	4.3 %	0.0063188 ± 0.0003924	0.0133456 ± 0.0184168	0.0129441 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02023	4.6 %	0.0062869 ± 0.0003924	0.0157512 ± 0.0184168	0.0113098 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02024	4.9 %	0.0062715 ± 0.0003924	0.0169613 ± 0.0184168	0.0103954 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02025	5.2 %	0.0062551 ± 0.0003924	0.0182815 ± 0.0184168	0.0093165 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02027	5.5 %	0.0062254 ± 0.0003924	0.0207405 ± 0.0184168	0.0070102 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02028	5.8 %	0.0062127 ± 0.0003924	0.0218281 ± 0.0184168	0.0058098 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02029	6.2 %	0.0062013 ± 0.0003924	0.0228168 ± 0.0184168	0.0045599 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02031	6.6 %	0.0061835 ± 0.0003924	0.0244205 ± 0.0184168	0.0018376 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02032	7.0 %	0.0061782 ± 0.0003924	0.0249293 ± 0.0184168	0.0003839 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02033	7.6 %	0.0061763 ± 0.0003924	0.0251481 ± 0.0184168	0.0009642 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02035	8.3 %	0.0061835 ± 0.0003924	0.0246520 ± 0.0184168	0.0037339 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02036	9.0 %	0.0061941 ± 0.0003924	0.0237837 ± 0.0184168	0.0051198 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02037	9.8 %	0.0062088 ± 0.0003924	0.0225461 ± 0.0184168	0.0063438 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02039	11.0 %	0.0062568 ± 0.0003924	0.0184065 ± 0.0184168	0.0086493 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02040	13.0 %	0.0062922 ± 0.0003924	0.0152981 ± 0.0184168	0.0096752 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02041	15.5 %	0.0063320 ± 0.0003924	0.0117705 ± 0.0184168	0.0104897 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02043	18.5 %	0.0064448 ± 0.0003924	0.0016823 ± 0.0184168	0.0117194 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02044	21.5 %	0.0065162 ± 0.0003924	0.0047654 ± 0.0184168	0.0120061 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608
16D02046	24.5 %	0.0066854 ± 0.0003924	0.0201643 ± 0.0184168	0.0118084 ± 0.0171835	0.0249773 ± 0.0184259	1.9807465 ± 0.0580608

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)
16D01989	0.9 %	0.1511551 ± 0.0008342	0.1268	EXP 150 of 150	0.7650362 ± 0.0209782	0.0285	EXP 149 of 150	0.2305564 ± 0.0155342	0.0035	EXP 150 of 150	18.6800632 ± 0.0166936	0.9816	EXP 150 of 150	520.601001 ± 0.040026	0.9997	EXP 150 of 150
16D01991	1.1 %	0.0482015 ± 0.0004434	0.5481	EXP 150 of 150	0.8015230 ± 0.0179067	0.0309	EXP 150 of 150	0.2525699 ± 0.0182367	0.0040	EXP 150 of 150	20.1834099 ± 0.0170801	0.9828	EXP 150 of 150	510.172023 ± 0.041667	0.9997	EXP 150 of 150
16D01992	1.3 %	0.0359690 ± 0.0003940	0.7014	EXP 150 of 150	0.9048351 ± 0.0188532	0.0958	EXP 150 of 150	0.2867174 ± 0.0173286	0.0102	EXP 150 of 150	22.7714556 ± 0.0178628	0.9862	EXP 150 of 150	565.105951 ± 0.043133	0.9997	EXP 150 of 150
16D01993	1.5 %	0.0422200 ± 0.0003643	0.7280	EXP 150 of 150	0.9983361 ± 0.0182405	0.0772	EXP 150 of 150	0.3036653 ± 0.0185568	0.0003	EXP 150 of 150	24.7279793 ± 0.0151896	0.9912	EXP 150 of 150	614.852017 ± 0.043754	0.9998	EXP 150 of 150
16D01995	1.6 %	0.0256002 ± 0.0003166	0.7773	EXP 150 of 150	0.9212726 ± 0.0181495	0.1036	EXP 150 of 150	0.2618141 ± 0.0156794	0.0061	EXP 150 of 150	21.2310293 ± 0.0149552	0.9883	EXP 150 of 150	523.921059 ± 0.038752	0.9997	EXP 150 of 150
16D01996	1.7 %	0.0231787 ± 0.0003076	0.7917	EXP 150 of 150	0.9236537 ± 0.0194748	0.0801	EXP 150 of 150	0.2529521 ± 0.0160319	0.0280	EXP 149 of 150	19.3859510 ± 0.0161064	0.9841	EXP 150 of 150	477.597766 ± 0.039264	0.9997	EXP 150 of 150
16D01997	1.8 %	0.0230114 ± 0.0002867	0.8089	EXP 150 of 150	0.9293640 ± 0.0162597	0.0968	EXP 150 of 150	0.2203771 ± 0.0183110	0.0049	EXP 150 of 150	18.2289306 ± 0.0157149	0.9829	EXP 150 of 150	449.917290 ± 0.037989	0.9997	EXP 150 of 150
16D01999	1.9 %	0.0217647 ± 0.0002946	0.7852	EXP 150 of 150	0.9828779 ± 0.0177444	0.0417	EXP 150 of 150	0.2248027 ± 0.0171333	0.0207	EXP 150 of 150	17.7951301 ± 0.0158398	0.9815	EXP 150 of 150	437.811751 ± 0.039690	0.9996	EXP 150 of 150
16D02000	2.0 %	0.0224767 ± 0.0002323	0.8100	EXP 149 of 150	0.9378113 ± 0.0187956	0.0853	EXP 150 of 150	0.1894708 ± 0.0165595	0.0049	EXP 150 of 150	15.3774743 ± 0.0164000	0.9733	EXP 150 of 150	377.148072 ± 0.034560	0.9996	EXP 150 of 150
16D02001	2.1 %	0.0182136 ± 0.0002754	0.7874	EXP 150 of 150	0.9045267 ± 0.0185409	0.0808	EXP 150 of 150	0.1741686 ± 0.0172682	0.0242	EXP 150 of 150	13.7443227 ± 0.0166581	0.9653	EXP 150 of 150	338.211102 ± 0.036607	0.9994	EXP 150 of 150
16D02003	2.2 %	0.0157979 ± 0.0002216	0.7836	EXP 150 of 150	0.5579679 ± 0.0186052	0.0014	EXP 150 of 150	0.0920106 ± 0.0170682	0.0021	EXP 150 of 150	8.7386121 ± 0.0153174	0.9285	EXP 150 of 150	215.883874 ± 0.025751	0.9990	EXP 150 of 150
16D02004	2.3 %	0.0163006 ± 0.0002495	0.7653	EXP 150 of 150	0.7507333 ± 0.0199383	0.0122	EXP 150 of 150	0.1282922 ± 0.0154400	0.0004	EXP 150 of 150	10.6076621 ± 0.0176509	0.9336	EXP 150 of 150	261.459141 ± 0.029082	0.9993	EXP 150 of 150
16D02005	2.4 %	0.0161683 ± 0.0002204	0.8005	EXP 150 of 150	0.7972389 ± 0.0164425	0.1293	EXP 149 of 150	0.1187190 ± 0.0171136	0.0009	EXP 150 of 150	10.3146790 ± 0.0156541	0.9467	EXP 150 of 150	252.591195 ± 0.031709	0.9990	EXP 150 of 150
16D02007	2.5 %	0.0186490 ± 0.0002707	0.7257	EXP 150 of 150	0.9186724 ± 0.0203285	0.0135	EXP 150 of 150	0.1749948 ± 0.0158016	0.0310	EXP 150 of 150	11.9898177 ± 0.0165849	0.9533	EXP 150 of 150	293.537359 ± 0.031608	0.9994	EXP 150 of 150
16D02008	2.6 %	0.0170278 ± 0.0002393	0.7801	EXP 150 of 150	0.9061974 ± 0.0183798	0.0732	EXP 150 of 150	0.1203874 ± 0.0157295	0.0033	EXP 150 of 150	10.5477858 ± 0.0176235	0.9359	EXP 150 of 150	257.352696 ± 0.030322	0.9992	EXP 150 of 150
16D02009	2.7 %	0.0197561 ± 0.0002398	0.7813	EXP 150 of 150	1.0768113 ± 0.0190060	0.1362	EXP 150 of 150	0.1537018 ± 0.0161369	0.0051	EXP 150 of 150	12.0955998 ± 0.0175693	0.9496	EXP 150 of 150	293.508523 ± 0.031510	0.9993	EXP 150 of 150
16D02011	2.8 %	0.0230019 ± 0.0002630	0.7699	EXP 150 of 150	1.3676175 ± 0.0176169	0.1646	EXP 149 of 150	0.1785250 ± 0.0159814	0.0036	EXP 150 of 150	14.7917842 ± 0.0151861	0.9754	EXP 150 of 150	358.792474 ± 0.032664	0.9996	EXP 150 of 150
16D02012	2.9 %	0.0165928 ± 0.0002486	0.7511	EXP 150 of 150	0.9065041 ± 0.0162981	0.0583	EXP 150 of 150	0.1180802 ± 0.0135773	0.0014	EXP 150 of 150	9.9649552 ± 0.0142194	0.9521	EXP 149 of 150	241.336754 ± 0.029459	0.9991	EXP 150 of 150
16D02013	3.0 %	0.0165731 ± 0.0002397	0.7521	EXP 150 of 150	0.8513976 ± 0.0185112	0.0396	EXP 150 of 150	0.0985535 ± 0.0152833	0.0046	EXP 150 of 150	9.0386067 ± 0.0159597	0.9284	EXP 150 of 150	220.509028 ± 0.029870	0.9988	EXP 150 of 150
16D02015	3.2 %	0.0268520 ± 0.0003049	0.7235	EXP 150 of 150	1.5818541 ± 0.0174068	0.1411	EXP 150 of 150	0.1896472 ± 0.0169460	0.0004	EXP 150 of 150	16.2569841 ± 0.0165522	0.9769	EXP 150 of 150	389.598493 ± 0.038591	0.9995	EXP 150 of 150
16D02016	3.4 %	0.0253349 ± 0.0002745	0.7626	EXP 150 of 150	1.5054858 ± 0.0167254	0.2240	EXP 150 of 150	0.1686513 ± 0.0154055	0.0006	EXP 150 of 150	15.0733037 ± 0.0168647	0.9710	EXP 150 of 150	361.217290 ± 0.031977	0.9996	EXP 150 of 150
16D02017	3.6 %	0.0279568 ± 0.0003101	0.6781	EXP 150 of 150	1.4037123 ± 0.0194827	0.1590	EXP 150 of 150	0.1491345 ± 0.0158493	0.0023	EXP 150 of 150	14.3054054 ± 0.0149833	0.9739	EXP 150 of 150	341.796749 ± 0.034460	0.9995	EXP 150 of 150
16D02019	3.8 %	0.0247358 ± 0.0002906	0.7177	EXP 150 of 150	1.4373477 ± 0.0181464	0.1497	EXP 150 of 150	0.1480469 ± 0.0159497	0.0147	EXP 150 of 150	14.7854838 ± 0.0176409	0.9662	EXP 150 of 150	348.613835 ± 0.036029	0.9994	EXP 150 of 150
16D02020	4.0 %	0.0242694 ± 0.0002675	0.7029	EXP 150 of 150	1.3514775 ± 0.0179222	0.1531	EXP 149 of 150	0.1730372 ± 0.0165886	0.0011	EXP 150 of 150	13.9780671 ± 0.0170888	0.9648	EXP 150 of 150	328.984756 ± 0.029890	0.9995	EXP 150 of 150
16D02021	4.3 %	0.0284950 ± 0.0003337	0.6773	EXP 150 of 150	1.5044011 ± 0.0165260	0.2305	EXP 150 of 150	0.1752029 ± 0.0179738	0.0021	EXP 150 of 150	15.4068124 ± 0.0165722	0.9727	EXP 150 of 150	359.083679 ± 0.033257	0.9996	EXP 150 of 150
16D02023	4.6 %	0.0301997 ± 0.0003153	0.6617	EXP 149 of 150	1.5027986 ± 0.0192493	0.2208	EXP 150 of 150	0.1408501 ± 0.0156766	0.0222	EXP 150 of 150	15.3550999 ± 0.0169323	0.9730	EXP 150 of 150	353.554772 ± 0.031571	0.9996	EXP 150 of 150
16D02024	4.9 %	0.0336733 ± 0.0003248	0.6021	EXP 150 of 150	1.6076373 ± 0.0177093	0.2305	EXP 149 of 150	0.1805304 ± 0.0171091	0.0006	EXP 150 of 150	16.2092932 ± 0.0167649	0.9760	EXP 150 of 150	368.606838 ± 0.032940	0.9996	EXP 150 of 150
16D02025	5.2 %	0.0296462 ± 0.0003190	0.6264	EXP 150 of 150	1.2571508 ± 0.0196699	0.1330	EXP 150 of 150	0.1583497 ± 0.0157002	0.0025	EXP 150 of 150	12.2304633 ± 0.0159998	0.9607	EXP 150 of 150	279.341983 ± 0.031333	0.9993	EXP 150 of 150
16D02027	5.5 %	0.0354708 ± 0.0003363	0.5182	EXP 150 of 150	1.5717009 ± 0.0190212	0.0986	EXP 150 of 150	0.1773715 ± 0.0158662	0.0002	EXP 150 of 150	14.3697974 ± 0.0175593	0.9660	EXP 150 of 150	323.103949 ± 0.028524	0.9996	EXP 150 of 150
16D02028	5.8 %	0.0442683 ± 0.0003612	0.3490	EXP 150 of 150	1.9284092 ± 0.0176224	0.2822	EXP 150 of 150	0.2193157 ± 0.0170535	0.0211	EXP 150 of 150	15.4428006 ± 0.0154212	0.9764	EXP 150 of 150	346.884079 ± 0.036896	0.9994	EXP 150 of 150
16D02029	6.2 %	0.0416985 ± 0.0003760	0.3672	EXP 150 of 150	1.7145545 ± 0.0184346	0.1619	EXP 150 of 150	0.1470586 ± 0.0165095	0.0040	EXP 150 of 150	13.1046023 ± 0.0170147	0.9591	EXP 150 of 150	292.539728 ± 0.029562	0.9994	EXP 150 of 150
16D02031	6.6 %	0.0575674 ± 0.0003897	0.3188	EXP 150 of 150	2.6196178 ± 0.0186250	0.3331	EXP 150 of 150	0.2211459 ± 0.0177371	0.0143	EXP 150 of 150	15.6045096 ± 0.0180011	0.9695	EXP 150 of 150	346.156435 ± 0.031735	0.9996	EXP 150 of 150
16D02032	7.0 %	0.0529521 ± 0.0004342	0.2783	EXP 150 of 150	2.1162858 ± 0.0186753	0.2836	EXP 150 of 150	0.1612186 ± 0.0172532	0.0002	EXP 150 of 150	12.2581460 ± 0.0178954	0.9505	EXP 150 of 150	273.278314 ± 0.031535	0.9992	EXP 150 of 150
16D02033	7.6 %	0.0658304 ± 0.0004509	0.0500	EXP 150 of 150	2.8207189 ± 0.0178743	0.4226	EXP 149 of 150	0.1648108 ± 0.0167078	0.0024	EXP 150 of 150	13.1435606 ± 0.0142311	0.9714	EXP 150 of 150	291.565654 ± 0.030105	0.9994	EXP 150 of 150
16D02035	8.3 %	0.0921352 ± 0.0006023	0.0015	EXP 150 of 150	4.5623731 ± 0.0194454	0.6385	EXP 150 of 150	0.2437328 ± 0.0185168	0.0275	EXP 150 of 150	16.0186131 ± 0.0177703	0.9710	EXP 150 of 150	350.211245 ± 0.035584	0.9995	EXP 150 of 150
16D02036	9.0 %	0.1122771 ± 0.0005916	0.0241	EXP 150 of 150	6.3135884 ± 0.0204342	0.7235	EXP 150 of 150	0.2221623 ± 0.0162468	0.0037	EXP 150 of 150	15.6336335 ± 0.0143966	0.9795	EXP 150 of 150	339.837576 ± 0.034304	0.9995	EXP 150 of 150
16D02037	9.8 %	0.1004431 ± 0.0006408	0.0239	EXP 150 of 150	6.0483825 ± 0.0164657	0.8070	EXP 149 of 150	0.1395250 ± 0.0147950	0.0000	EXP 150 of 150	10.3137507 ± 0.0172719	0.9382	EXP 149 of 150	226.795156 ± 0.027520	0.9990	EXP 150 of 150
16D02039	11.0 %	0.1126427 ± 0.0006452	0.1720	EXP 150 of 150	8.5286440 ± 0.0201962	0.8492	EXP 150 of 150	0.1340437 ± 0.0164346	0.0015	EXP 150 of 150	8.1562116 ± 0.0150416	0.9189	EXP 149 of 150	181.418178 ± 0.027475	0.9982	EXP 150 of 150
16D02040	13.0 %	0.0875902 ± 0.0005576	0.0341	EXP 150 of 150	7.2450283 ± 0.0195445	0.8369	EXP 150 of 150	0.1131998 ± 0.0174704	0.0432	EXP 150 of 150	4.8191709 ± 0.0164397	0.7488	EXP 150 of 150	110.907399 ± 0.023475	0.9932	EXP 150 of 150
16D02041	15.5 %	0.1625222 ± 0.0007625	0.3648	EXP 150 of 150	17.4792115 ± 0.0192354	0.9637	EXP 150 of 150	0.1189938 ± 0.0174423	0.0013	EXP 150 of 150	6.9384745 ± 0.0166670	0.8709	EXP 150 of 150	156.059747 ± 0.025046	0.9976	EXP 150 of 150
16D02043	18.5 %	0.1867601 ± 0.0008987	0.5036	EXP 150 of 150	21.4911090 ± 0.0200542	0.9725	EXP 150 of 150	0.1055234 ± 0.0179135	0.0007	EXP 150 of 150	6.1642004 ± 0.0169156	0.8409	EXP 150 of 150	143.929524 ± 0.028240	0.9962	EXP 150 of 150
16D02044	21.5 %	0.0917380 ± 0.0005692	0.1408	EXP 150 of 150	8.6397457 ± 0.0191412	0.8504	EXP 150 of 150	0.0416421 ± 0.0167216	0.0053	EXP 150 of 150	2.8531728 ± 0.0163976	0.5233	EXP 150 of 150	73.660695 ± 0.021348	0.9479	EXP 149 of 150
16D02046	24.5 %	0.0746135 ± 0.0005099	0.1084	EXP 150 of 150	7.0661230 ± 0.0182219	0.8420	EXP 150 of 150	0.0362470 ± 0.0166482	0.0092	EXP 150 of 150	2.1102613 ± 0.0162732	0.3367	EXP 150 of 150	55.856259 ± 0.019536	0.2514	EXP 149 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D01989	0.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01991	1.1 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01992	1.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01993	1.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01995	1.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01996	1.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01997	1.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D01999	1.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02000	2.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02001	2.1 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02003	2.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02004	2.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02005	2.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02007	2.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02008	2.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02009	2.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02011	2.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02012	2.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02013	3.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02015	3.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02016	3.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02017	3.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02019	3.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02020	4.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02021	4.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02023	4.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02024	4.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02025	5.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02027	5.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02028	5.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02029	6.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02031	6.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02032	7.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02033	7.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02035	8.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02036	9.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02037	9.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02039	11.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02040	13.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02041	15.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02043	18.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02044	21.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	01
16D02046	24.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	30.74	French Polynesia\Rurutu (13-INT-08)	16D01988	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
16D01989	0.9 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	13	34	1
16D01991	1.1 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	14	0	1
16D01992	1.3 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	14	15	1
16D01993	1.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	14	29	1
16D01995	1.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	14	56	1
16D01996	1.7 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	15	10	1
16D01997	1.8 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	15	24	1
16D01999	1.9 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	15	50	1
16D02000	2.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	16	4	1
16D02001	2.1 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	16	17	1
16D02003	2.2 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	16	43	1
16D02004	2.3 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	16	56	1
16D02005	2.4 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	17	9	1
16D02007	2.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	17	35	1
16D02008	2.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	17	47	1
16D02009	2.7 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	17	59	1
16D02011	2.8 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	18	24	1
16D02012	2.9 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	18	37	1
16D02013	3.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	18	49	1
16D02015	3.2 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	19	14	1
16D02016	3.4 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	19	27	1
16D02017	3.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	19	39	1
16D02019	3.8 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	20	4	1
16D02020	4.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	20	16	1
16D02021	4.3 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	20	29	1
16D02023	4.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	20	54	1
16D02024	4.9 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	21	6	1
16D02025	5.2 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	21	19	1
16D02027	5.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	21	44	1
16D02028	5.8 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	21	56	1
16D02029	6.2 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	22	8	1
16D02031	6.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	22	33	1
16D02032	7.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	22	46	1
16D02033	7.6 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	22	58	1
16D02035	8.3 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	23	23	1
16D02036	9.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	23	36	1
16D02037	9.8 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	15	JAN	2016	23	48	1
16D02039	11.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	0	13	1
16D02040	13.0 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	0	26	1
16D02041	15.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	0	38	1
16D02043	18.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	1	4	1
16D02044	21.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	1	17	1
16D02046	24.5 %	RR1310-D02-04	Groundmass	Rurutu Hotspot	FCT-NM (4A22-15)	28.201	0.082	Kuiper et al (2008)	9.00786	0.163	0.00174485	0.163	303.836	0.259	0.9931322	0.086	1	4.8E-14	16	JAN	2016	1	42	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
16D01989	0.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01991	1.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01992	1.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01993	1.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01995	1.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01996	1.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01997	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D01999	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02000	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02001	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02003	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02004	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02005	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02007	2.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02008	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02009	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02011	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02012	2.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02013	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02015	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02016	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02017	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02019	3.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02020	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02021	4.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02023	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02024	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02025	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02027	5.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02028	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02029	6.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02031	6.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02032	7.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02033	7.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02035	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02036	9.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02037	9.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02039	11.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02040	13.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02041	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02043	18.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02044	21.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D02046	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

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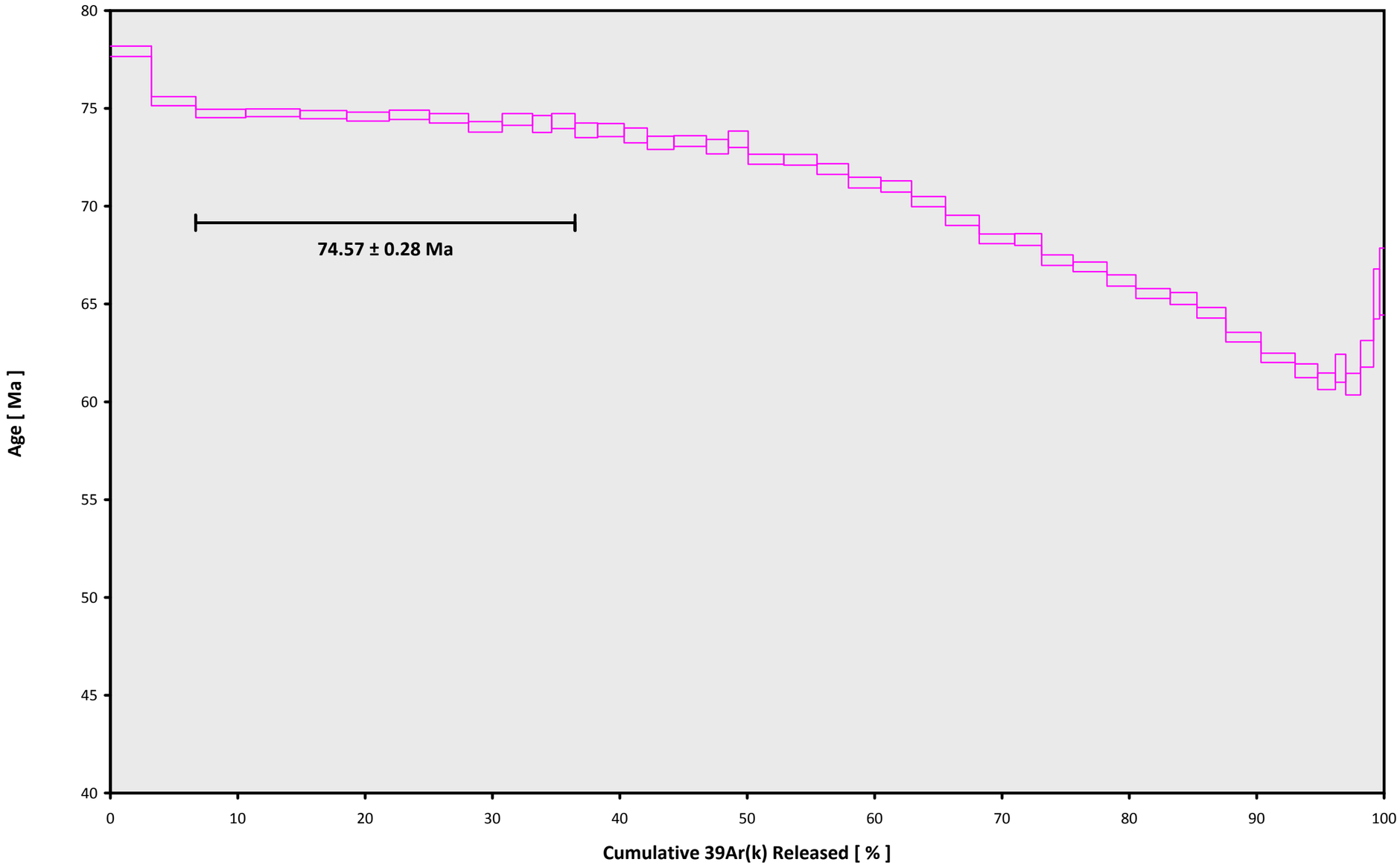


Ar-Ages in Ma

WEIGHTED PLATEAU
74.57 ± 0.28
TOTAL FUSION
70.88 ± 0.23
NORMAL ISOCHRON
74.27 ± 0.49
INVERSE ISOCHRON
74.20 ± 0.48

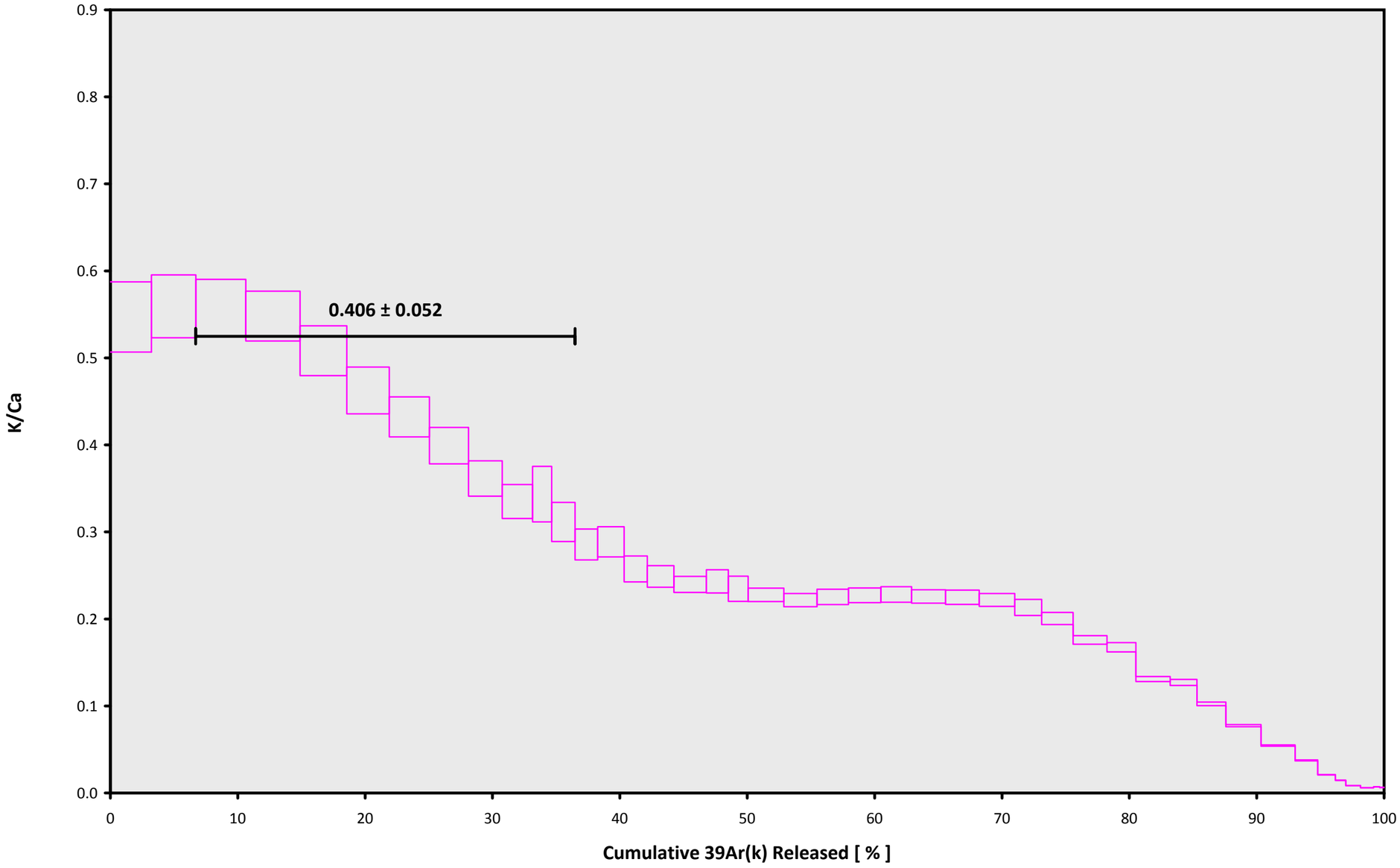
MSWD (PROBABILITY)
3.18 (0%)

Sample Info

Groundmass
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A22-15)
J = 0.00174485 ± 0.00000284

16D01988.AGE >>> RR1310-D02-04 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

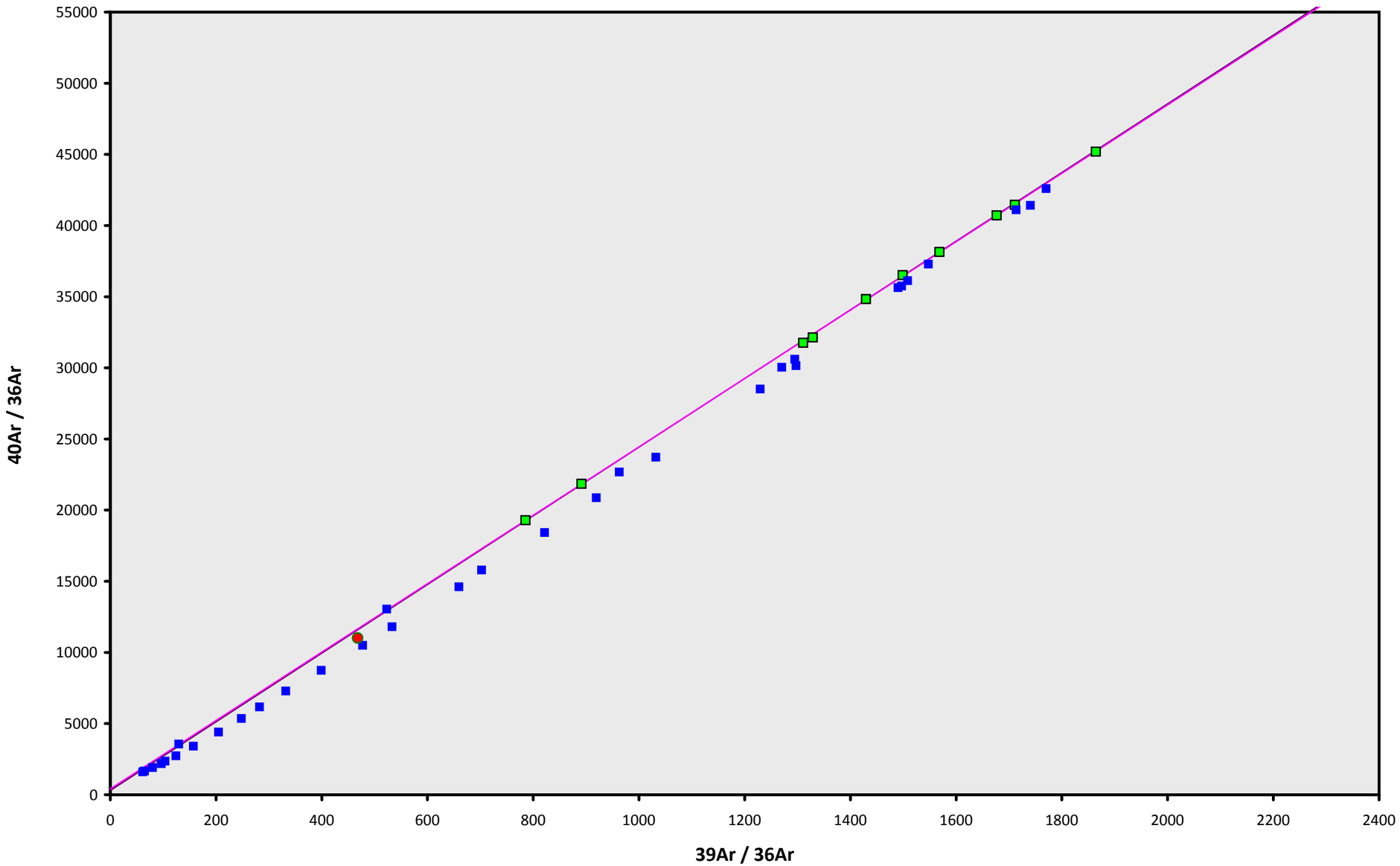
WEIGHTED PLATEAU
74.57 ± 0.28
TOTAL FUSION
70.88 ± 0.23
NORMAL ISOCHRON
74.27 ± 0.49
INVERSE ISOCHRON
74.20 ± 0.48

Sample Info

Groundmass
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A22-15)
J = 0.00174485 ± 0.00000284

16D01988.AGE >>> RR1310-D02-04 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
74.57 ± 0.28
TOTAL FUSION
70.88 ± 0.23
NORMAL ISOCHRON
74.27 ± 0.49
INVERSE ISOCHRON
74.20 ± 0.48

MSWD (PROBABILITY)
2.60 (1%)

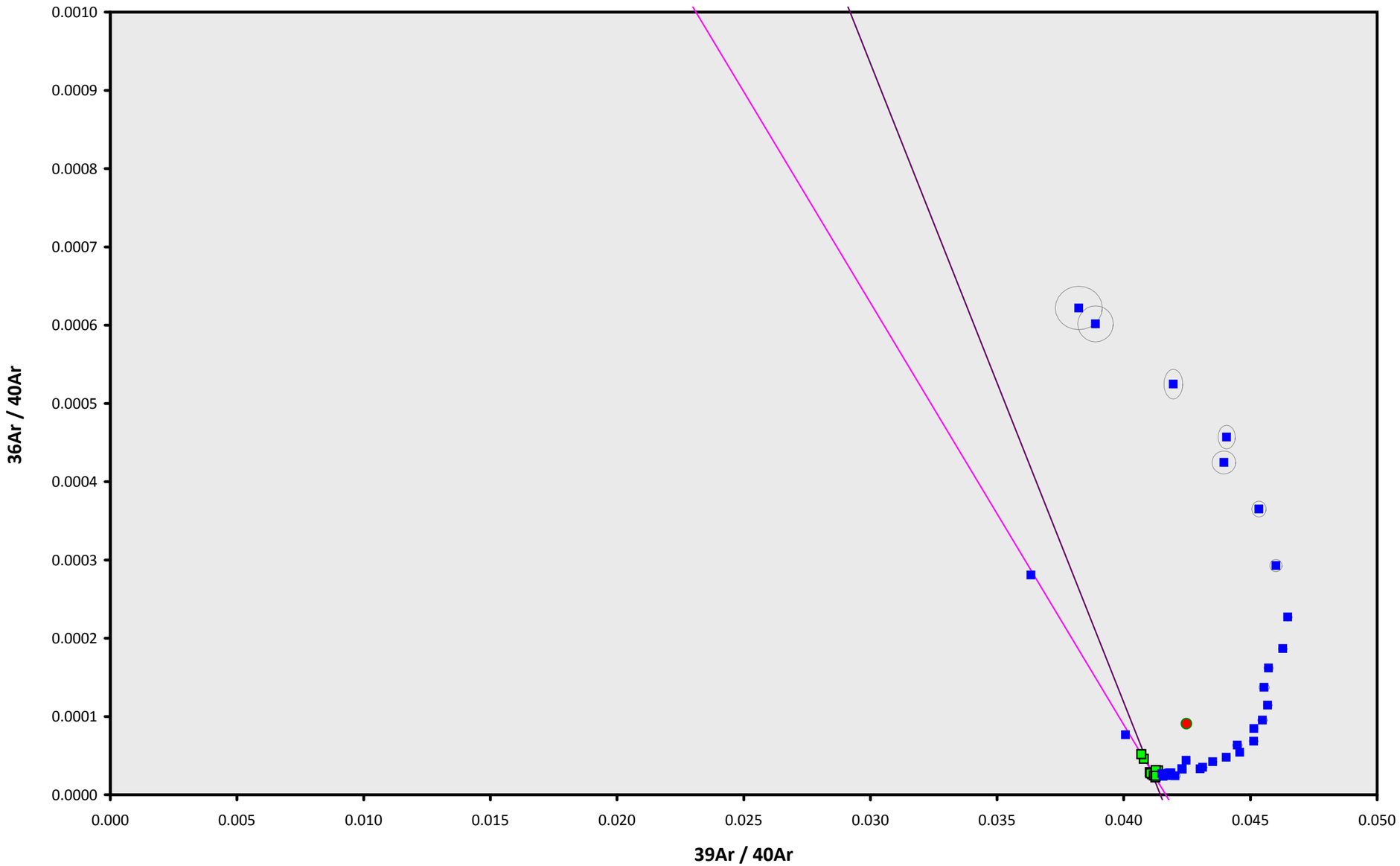
40AR/36AR INTERCEPT
416.9 ± 164.0

Sample Info

Groundmass
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A22-15)
J = 0.00174485 ± 0.00000284

16D01988.AGE >>> RR1310-D02-04 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
74.57 ± 0.28
TOTAL FUSION
70.88 ± 0.23
NORMAL ISOCHRON
74.27 ± 0.49
INVERSE ISOCHRON
74.20 ± 0.48

MSWD (PROBABILITY)
2.45 (1%)

SPREADING FACTOR
1.6%

40AR/36AR INTERCEPT
445.1 ± 144.9

Sample Info

Groundmass
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A22-15)
J = 0.00174485 ± 0.00000284