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
14D32212	1.8 %		1.7796566	0.348	7.3487	5.692	1.085040	3.457	4.08159	0.955	526.6422	0.032	0.33345 ± 0.90132	1049.2 ± 2835.2	0.26	0.58	0.239 ± 0.028
14D32213	1.9 %		1.3103877	0.370	8.0231	5.479	0.742966	5.139	3.40099	1.094	392.1563	0.041	1.64421 ± 0.85030	5167.6 ± 2668.6	1.42	0.48	0.182 ± 0.020
14D32214	2.0 %		0.6268740	0.431	5.9741	6.911	0.434307	8.224	2.27831	1.622	186.8279	0.071	0.90819 ± 0.71341	2856.2 ± 2241.8	1.11	0.32	0.164 ± 0.023
14D32216	2.1 %		0.4497838	0.495	5.7591	7.187	0.397064	9.930	2.24280	1.614	133.9211	0.099	0.65741 ± 0.60113	2068.0 ± 1889.8	1.10	0.32	0.167 ± 0.025
14D32217	2.2 %		0.4105131	0.531	7.7414	5.068	0.490186	7.114	2.77100	1.321	122.8599	0.108	0.78611 ± 0.47648	2472.5 ± 1497.6	1.77	0.39	0.154 ± 0.016
14D32218	2.3 %		0.2970536	0.562	8.0363	5.080	0.375076	9.723	2.67180	1.334	88.7647	0.150	0.60930 ± 0.38422	1916.7 ± 1208.0	1.83	0.38	0.143 ± 0.015
14D32220	2.4 %		0.2201044	0.624	8.0364	5.200	0.327524	11.526	2.67277	1.357	65.7053	0.200	0.48811 ± 0.32103	1535.6 ± 1009.5	1.98	0.38	0.143 ± 0.015
14D32221	2.5 %		0.1652691	0.812	8.0019	4.978	0.305067	12.240	2.60681	1.441	51.7596	0.255	1.36728 ± 0.32463	4298.3 ± 1019.3	6.87	0.37	0.140 ± 0.014
14D32222	2.6 %		0.1044518	1.094	5.5563	7.436	0.208457	18.417	1.87468	1.888	31.7192	0.412	0.69162 ± 0.38945	2175.5 ± 1224.3	4.08	0.27	0.145 ± 0.022
14D32224	2.7 %		0.0940810	1.188	6.8223	6.065	0.215267	16.252	2.17486	1.636	28.6084	0.459	0.62041 ± 0.32948	1951.6 ± 1035.9	4.71	0.31	0.137 ± 0.017
14D32225	2.8 %		0.1020589	1.139	10.4065	4.001	0.347213	10.514	3.07998	1.204	30.9550	0.422	0.52736 ± 0.24050	1659.1 ± 756.3	5.24	0.44	0.127 ± 0.011
14D32226	3.0 %		0.0901070	1.225	12.8772	3.290	0.432677	8.519	3.63549	1.050	27.3286	0.478	0.47489 ± 0.19486	1494.1 ± 612.8	6.30	0.52	0.121 ± 0.008
14D32228	3.2 %		0.0813330	1.205	15.7614	2.676	0.468444	8.079	4.39034	0.844	25.1919	0.518	0.54891 ± 0.14614	1726.8 ± 459.5	9.54	0.63	0.119 ± 0.007
14D32229	3.4 %		0.0436736	2.008	12.4884	3.426	0.326463	11.169	3.33951	1.117	13.5821	0.962	0.49894 ± 0.17572	1569.7 ± 552.6	12.24	0.48	0.115 ± 0.008
14D32230	3.6 %		0.0383098	2.311	16.6331	2.480	0.398249	9.120	4.36457	0.827	12.1934	1.069	0.50163 ± 0.13536	1578.1 ± 425.7	17.91	0.62	0.113 ± 0.006
14D32232	3.9 %		0.0312580	2.623	17.2773	2.405	0.403397	9.074	4.48109	0.839	9.9270	1.315	0.45904 ± 0.12423	1444.2 ± 390.7	20.67	0.64	0.111 ± 0.006
14D32233	4.2 %		0.0296286	2.885	22.4426	1.874	0.491354	7.952	5.51808	0.639	9.7165	1.345	0.49583 ± 0.10424	1559.9 ± 327.8	28.08	0.79	0.105 ± 0.004
14D32234	**4.5 %**	✓	**0.0377010**	**2.395**	**40.2061**	**1.097**	**0.847706**	**4.276**	**9.74750**	**0.406**	**11.8616**	**1.103**	**0.39975 ± 0.06164**	**1257.7 ± 193.9**	**32.76**	**1.39**	**0.104 ± 0.002**
14D32236	**4.8 %**	✓	**0.0289761**	**3.101**	**36.6240**	**1.207**	**0.768138**	**4.915**	**8.50609**	**0.447**	**8.8302**	**1.476**	**0.37151 ± 0.07030**	**1168.9 ± 221.1**	**35.68**	**1.21**	**0.100 ± 0.003**
14D32237	**5.1 %**	✓	**0.0418727**	**2.099**	**70.1844**	**0.706**	**1.480326**	**2.615**	**16.63754**	**0.239**	**12.6815**	**1.030**	**0.35161 ± 0.03539**	**1106.3 ± 111.3**	**46.00**	**2.37**	**0.102 ± 0.002**
14D32238	**5.5 %**	✓	**0.0258559**	**3.306**	**51.5704**	**0.890**	**1.084883**	**3.461**	**12.07010**	**0.317**	**8.3902**	**1.558**	**0.39964 ± 0.04771**	**1257.4 ± 150.0**	**57.33**	**1.72**	**0.100 ± 0.002**
14D32240	**5.9 %**	✓	**0.0423991**	**2.007**	**89.4268**	**0.593**	**2.002319**	**1.935**	**21.55650**	**0.194**	**13.2141**	**0.990**	**0.35963 ± 0.02669**	**1131.6 ± 83.9**	**58.50**	**3.07**	**0.103 ± 0.001**
14D32241	**6.3 %**	✓	**0.0318427**	**2.620**	**73.8431**	**0.684**	**1.664498**	**2.212**	**17.83499**	**0.222**	**10.1104**	**1.291**	**0.36655 ± 0.03173**	**1153.3 ± 99.8**	**64.48**	**2.54**	**0.104 ± 0.001**
14D32242	**6.8 %**	✓	**0.0413638**	**2.007**	**100.5964**	**0.563**	**2.366021**	**1.519**	**25.03547**	**0.159**	**13.4991**	**0.972**	**0.36873 ± 0.02259**	**1160.2 ± 71.1**	**68.20**	**3.56**	**0.107 ± 0.001**
14D32244	**7.4 %**	✓	**0.0477337**	**1.903**	**119.9414**	**0.509**	**2.836438**	**1.340**	**29.96875**	**0.145**	**15.5607**	**0.836**	**0.36508 ± 0.02024**	**1148.7 ± 63.7**	**70.12**	**4.27**	**0.107 ± 0.001**
14D32245	**8.1 %**	✓	**0.0565628**	**1.701**	**144.8487**	**0.477**	**3.569557**	**1.078**	**37.30936**	**0.122**	**19.0748**	**0.686**	**0.37047 ± 0.01709**	**1165.7 ± 53.8**	**72.27**	**5.31**	**0.110 ± 0.001**
14D32246	**9.0 %**	✓	**0.0782270**	**1.302**	**207.5708**	**0.429**	**5.494438**	**0.722**	**54.79764**	**0.103**	**27.7216**	**0.477**	**0.38413 ± 0.01232**	**1208.6 ± 38.7**	**75.74**	**7.80**	**0.113 ± 0.001**
14D32248	**9.9 %**	✓	**0.0893355**	**1.146**	**245.3997**	**0.420**	**6.706166**	**0.579**	**66.50605**	**0.096**	**33.0492**	**0.396**	**0.39246 ± 0.01025**	**1234.8 ± 32.3**	**78.78**	**9.47**	**0.116 ± 0.001**
14D32249	**10.9 %**	✓	**0.1023953**	**1.074**	**276.5870**	**0.407**	**7.713166**	**0.512**	**75.77483**	**0.089**	**38.1089**	**0.343**	**0.39301 ± 0.00958**	**1236.5 ± 30.1**	**77.95**	**10.79**	**0.118 ± 0.001**
14D32250	**12.1 %**	✓	**0.1093034**	**0.977**	**294.4502**	**0.402**	**8.165722**	**0.478**	**78.75989**	**0.087**	**40.2164**	**0.326**	**0.39696 ± 0.00904**	**1249.0 ± 28.4**	**77.54**	**11.21**	**0.115 ± 0.001**
14D32252	**13.5 %**	✓	**0.1200019**	**1.013**	**311.5486**	**0.400**	**7.102904**	**0.555**	**72.19579**	**0.089**	**39.4926**	**0.332**	**0.39716 ± 0.01099**	**1249.6 ± 34.6**	**72.39**	**10.27**	**0.099 ± 0.001**
14D32253	**15.5 %**	✓	**0.1162454**	**0.996**	**289.0805**	**0.405**	**4.302407**	**0.846**	**47.46304**	**0.107**	**29.8335**	**0.442**	**0.38465 ± 0.01601**	**1210.3 ± 50.3**	**60.94**	**6.75**	**0.070 ± 0.001**
14D32254	**17.6 %**	✓	**0.0800494**	**1.255**	**191.7649**	**0.435**	**1.770569**	**2.165**	**22.18987**	**0.190**	**17.7637**	**0.737**	**0.41364 ± 0.03003**	**1301.4 ± 94.5**	**51.37**	**3.15**	**0.049 ± 0.000**
14D32256	**19.8 %**	✓	**0.0847989**	**1.308**	**207.0398**	**0.425**	**1.629527**	**2.359**	**19.59836**	**0.209**	**16.8712**	**0.778**	**0.41204 ± 0.03701**	**1296.4 ± 116.4**	**47.52**	**2.78**	**0.040 ± 0.000**
14D32257	22.1 %		0.0783766	1.310	183.3491	0.437	1.380288	2.714	15.48366	0.257	15.7396	0.830	0.45113 ± 0.04383	1419.3 ± 137.9	44.03	2.19	0.036 ± 0.000
14D32258	24.5 %		0.0776469	1.375	193.5691	0.439	1.594850	2.330	15.80741	0.238	15.9187	0.819	0.51872 ± 0.04445	1631.9 ± 139.8	51.09	2.24	0.035 ± 0.000
	Σ		7.1652323	0.148	3306.7873	0.120	69.928675	0.323	702.82751	0.037	2145.7971	0.037					

Information on Analysis and Constants Used in Calculations

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-60 (LIGHT)**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C4-14)**
Position = **X: 0 | Y: 0 | Z/H: 10 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.03029 ± 0.01183**
FCT-NM J-value = **0.00174052 ± 0.00000228**
Air Shot 40Ar/36Ar = **303.5620 ± 0.5252**
Air Shot MDF = **0.99335192 ± 0.00071500 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **6.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IEKK1-RR1310-D42-60**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **14°40.7'S - 173°52.5'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 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) = **0.0006730**
Production 38/37(ca) = **0.0000139**
Production 36/37(ca) = **0.0002640**
Production 40/39(k) = **0.001010**
Production 38/39(k) = **0.011380**
Production 36/38(cl) = **262.80 ± 1.71**
Scaling Ratio K/Ca = **0.430**
Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		0.38878 ± 0.00596	**1223.2 ± 19.0**	2.31	87.65	0.074 ± 0.015
Error Mean		± 1.53%	**± 1.55%**	0%	17	
		Full External Error ± 33.5		1.71	2σ Confidence Limit	
		Analytical Error ± 18.7		1.5207	Error Magnification	
Total Fusion Age		0.41234 ± 0.00930	**1297.3 ± 29.5**		36	0.091 ± 0.000
		± 2.26%	**± 2.27%**			
		Full External Error ± 41.5				
		Analytical Error ± 29.3				
Normal Isochron	**292.95 ± 22.20**	0.38801 ± 0.01328	**1220.8 ± 41.9**	2.68	87.65	
Error Chron	**± 7.58%**	± 3.42%	**± 3.43%**	0%	17	
		Full External Error ± 50.2		1.73	2σ Confidence Limit	
		Analytical Error ± 41.8		1.6372	Error Magnification	
				34	Number of Iterations	
				0.0000036705	Convergence	
Inverse Isochron	**295.02 ± 21.18**	0.38916 ± 0.01234	**1224.4 ± 39.0**	2.44	87.65	
Error Chron	**± 7.18%**	± 3.17%	**± 3.18%**	0%	17	
		Full External Error ± 47.8		1.73	2σ Confidence Limit	
		Analytical Error ± 38.8		1.5627	Error Magnification	
Notes				4	Number of Iterations	
A long reliable plateau.				0.0004523584	Convergence	
				46%	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
14D32212	1.8 %		1.7775928	7.3487	0.706314	4.07665	1.35937	1049.2 ± 2835.2	0.26	0.58	0.239 ± 0.028
14D32213	1.9 %		1.3081890	8.0231	0.459712	3.39559	5.58305	5167.6 ± 2668.6	1.42	0.48	0.182 ± 0.020
14D32214	2.0 %		0.6252458	5.9741	0.291484	2.27429	2.06549	2856.2 ± 2241.8	1.11	0.32	0.164 ± 0.023
14D32216	2.1 %		0.4482130	5.7591	0.287734	2.23893	1.47189	2068.0 ± 1889.8	1.10	0.32	0.167 ± 0.025
14D32217	2.2 %		0.4084024	7.7414	0.382273	2.76579	2.17422	2472.5 ± 1497.6	1.77	0.39	0.154 ± 0.016
14D32218	2.3 %		0.2948812	8.0363	0.289507	2.66639	1.62463	1916.7 ± 1208.0	1.83	0.38	0.143 ± 0.015
14D32220	2.4 %		0.2179379	8.0364	0.256325	2.66736	1.30197	1535.6 ± 1009.5	1.98	0.38	0.143 ± 0.015
14D32221	2.5 %		0.1631136	8.0019	0.244865	2.60143	3.55687	4298.3 ± 1019.3	6.87	0.37	0.140 ± 0.014
14D32222	2.6 %		0.1029555	5.5563	0.167846	1.87094	1.29399	2175.5 ± 1224.3	4.08	0.27	0.145 ± 0.022
14D32224	2.7 %		0.0922495	6.8223	0.173233	2.17027	1.34645	1951.6 ± 1035.9	4.71	0.31	0.137 ± 0.017
14D32225	2.8 %		0.0992601	10.4065	0.293547	3.07298	1.62058	1659.1 ± 756.3	5.24	0.44	0.127 ± 0.011
14D32226	3.0 %		0.0866416	12.8772	0.375032	3.62683	1.72234	1494.1 ± 612.8	6.30	0.52	0.121 ± 0.008
14D32228	3.2 %		0.0771011	15.7614	0.403974	4.37973	2.40409	1726.8 ± 459.5	9.54	0.63	0.119 ± 0.007
14D32229	3.4 %		0.0403274	12.4884	0.280844	3.33110	1.66203	1569.7 ± 552.6	12.24	0.48	0.115 ± 0.008
14D32230	3.6 %		0.0338586	16.6331	0.342148	4.35338	2.18379	1578.1 ± 425.7	17.91	0.62	0.113 ± 0.006
14D32232	3.9 %		0.0266358	17.2773	0.347316	4.46946	2.05165	1444.2 ± 390.7	20.67	0.64	0.111 ± 0.006
14D32233	4.2 %		0.0236293	22.4426	0.424002	5.50297	2.72853	1559.9 ± 327.8	28.08	0.79	0.105 ± 0.004
14D32234	**4.5 %**	✓	**0.0269581**	**40.2061**	**0.731490**	**9.72044**	**3.88570**	**1257.7 ± 193.9**	**32.76**	**1.39**	**0.104 ± 0.002**
14D32236	**4.8 %**	✓	**0.0191901**	**36.6240**	**0.667524**	**8.48144**	**3.15092**	**1168.9 ± 221.1**	**35.68**	**1.21**	**0.100 ± 0.003**
14D32237	**5.1 %**	✓	**0.0231182**	**70.1844**	**1.286232**	**16.59031**	**5.83332**	**1106.3 ± 111.3**	**46.00**	**2.37**	**0.102 ± 0.002**
14D32238	**5.5 %**	✓	**0.0120753**	**51.5704**	**0.944947**	**12.03539**	**4.80979**	**1257.4 ± 150.0**	**57.33**	**1.72**	**0.100 ± 0.002**
14D32240	**5.9 %**	✓	**0.0184825**	**89.4268**	**1.752993**	**21.49632**	**7.73075**	**1131.6 ± 83.9**	**58.50**	**3.07**	**0.103 ± 0.001**
14D32241	**6.3 %**	✓	**0.0120919**	**73.8431**	**1.458815**	**17.78529**	**6.51927**	**1153.3 ± 99.8**	**64.48**	**2.54**	**0.104 ± 0.001**
14D32242	**6.8 %**	✓	**0.0144413**	**100.5964**	**2.077791**	**24.96777**	**9.20642**	**1160.2 ± 71.1**	**68.20**	**3.56**	**0.107 ± 0.001**
14D32244	**7.4 %**	✓	**0.0156314**	**119.9414**	**2.491724**	**29.88803**	**10.91144**	**1148.7 ± 63.7**	**70.12**	**4.27**	**0.107 ± 0.001**
14D32245	**8.1 %**	✓	**0.0177709**	**144.8487**	**3.140751**	**37.21187**	**13.78595**	**1165.7 ± 53.8**	**72.27**	**5.31**	**0.110 ± 0.001**
14D32246	**9.0 %**	✓	**0.0225733**	**207.5708**	**4.865327**	**54.65794**	**20.99595**	**1208.6 ± 38.7**	**75.74**	**7.80**	**0.113 ± 0.001**
14D32248	**9.9 %**	✓	**0.0235054**	**245.3997**	**5.943402**	**66.34090**	**26.03634**	**1234.8 ± 32.3**	**78.78**	**9.47**	**0.116 ± 0.001**
14D32249	**10.9 %**	✓	**0.0281734**	**276.5870**	**6.843857**	**75.58868**	**29.70727**	**1236.5 ± 30.1**	**77.95**	**10.79**	**0.118 ± 0.001**
14D32250	**12.1 %**	✓	**0.0302920**	**294.4502**	**7.261935**	**78.56173**	**31.18578**	**1249.0 ± 28.4**	**77.54**	**11.21**	**0.115 ± 0.001**
14D32252	**13.5 %**	✓	**0.0366503**	**311.5486**	**6.272521**	**71.98612**	**28.58972**	**1249.6 ± 34.6**	**72.39**	**10.27**	**0.099 ± 0.001**
14D32253	**15.5 %**	✓	**0.0392683**	**289.0805**	**3.753135**	**47.26848**	**18.18197**	**1210.3 ± 50.3**	**60.94**	**6.75**	**0.070 ± 0.001**
14D32254	**17.6 %**	✓	**0.0291577**	**191.7649**	**1.511401**	**22.06082**	**9.12533**	**1301.4 ± 94.5**	**51.37**	**3.15**	**0.049 ± 0.000**
14D32256	**19.8 %**	✓	**0.0298942**	**207.0398**	**1.399618**	**19.45902**	**8.01780**	**1296.4 ± 116.4**	**47.52**	**2.78**	**0.040 ± 0.000**
14D32257	22.1 %		0.0297619	183.3491	1.197377	15.36027	6.92949	1419.3 ± 137.9	44.03	2.19	0.036 ± 0.000
14D32258	24.5 %		0.0262968	193.5691	1.408839	15.67713	8.13210	1631.9 ± 139.8	51.09	2.24	0.035 ± 0.000
	Σ		6.2815678	3306.7873	60.735835	700.60204	288.88625				

Information on Analysis

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-60 (LIGHT)**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C4-14)**
J = **0.00174052 ± 0.00000228**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (ka)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.38878	± 0.00596	**1223.2**	**± 19.0**	2.31	87.65	0.074 ± 0.015
Error Mean		± 1.53%		**± 1.55%**	0%	17	
			Full External Error	± 33.5	1.71	2σ Confidence Limit	
			Analytical Error	± 18.7	1.5207	Error Magnification	
Total Fusion Age	0.41234	± 0.00930	**1297.3**	**± 29.5**		36	0.091 ± 0.000
		± 2.26%		**± 2.27%**			
			Full External Error	± 41.5			
			Analytical Error	± 29.3			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D32212	1.8 %		2.29 ± 0.05	296.26 ± 2.07	0.3410
14D32213	1.9 %		2.60 ± 0.06	299.77 ± 2.24	0.3186
14D32214	2.0 %		3.64 ± 0.12	298.80 ± 2.62	0.2539
14D32216	2.1 %		5.00 ± 0.17	298.78 ± 3.03	0.2886
14D32217	2.2 %		6.77 ± 0.19	300.82 ± 3.28	0.3669
14D32218	2.3 %		9.04 ± 0.26	301.01 ± 3.53	0.3776
14D32220	2.4 %		12.24 ± 0.37	301.47 ± 4.00	0.4018
14D32221	2.5 %		15.95 ± 0.53	317.31 ± 5.48	0.4743
14D32222	2.6 %		18.17 ± 0.80	308.07 ± 7.32	0.4763
14D32224	2.7 %		23.53 ± 0.96	310.10 ± 8.07	0.5579
14D32225	2.8 %		30.96 ± 1.04	311.83 ± 7.80	0.6571
14D32226	3.0 %		41.86 ± 1.39	315.38 ± 8.62	0.7236
14D32228	3.2 %		56.81 ± 1.74	326.68 ± 9.02	0.7732
14D32229	3.4 %		82.60 ± 4.07	336.71 ± 16.12	0.8155
14D32230	3.6 %		128.58 ± 7.10	360.00 ± 20.47	0.8838
14D32232	3.9 %		167.80 ± 10.80	372.53 ± 25.13	0.8888
14D32233	4.2 %		232.89 ± 17.25	410.97 ± 31.96	0.9241
14D32234	4.5 %	✓	360.58 ± 24.53	439.64 ± 31.24	0.9437
14D32236	4.8 %	✓	441.97 ± 41.92	459.69 ± 45.48	0.9501
14D32237	5.1 %	✓	717.63 ± 55.27	547.83 ± 43.60	0.9640
14D32238	5.5 %	✓	996.69 ± 142.66	693.82 ± 101.55	0.9760
14D32240	5.9 %	✓	1163.06 ± 108.63	713.77 ± 68.10	0.9773
14D32241	6.3 %	✓	1470.84 ± 205.68	834.64 ± 118.64	0.9828
14D32242	6.8 %	✓	1728.91 ± 202.01	933.00 ± 110.48	0.9860
14D32244	7.4 %	✓	1912.05 ± 225.77	993.55 ± 118.45	0.9898
14D32245	8.1 %	✓	2093.98 ± 230.83	1071.26 ± 118.97	0.9921
14D32246	9.0 %	✓	2421.35 ± 224.23	1225.62 ± 114.07	0.9945
14D32248	9.9 %	✓	2822.37 ± 254.43	1403.17 ± 126.95	0.9959
14D32249	10.9 %	✓	2682.98 ± 216.99	1349.94 ± 109.54	0.9962
14D32250	12.1 %	✓	2593.48 ± 190.67	1325.00 ± 97.77	0.9958
14D32252	13.5 %	✓	1964.13 ± 135.06	1075.57 ± 74.28	0.9950
14D32253	15.5 %	✓	1203.73 ± 73.50	758.52 ± 46.77	0.9890
14D32254	17.6 %	✓	756.60 ± 53.43	608.46 ± 43.84	0.9774
14D32256	19.8 %	✓	650.93 ± 49.43	563.71 ± 43.63	0.9780
14D32257	22.1 %		516.11 ± 36.45	528.33 ± 38.23	0.9706
14D32258	24.5 %		596.16 ± 49.56	604.74 ± 51.16	0.9794

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**292.95 ± 22.20**	0.38801 ± 0.01328	**1220.8 ± 41.9**	2.68
Error Chron	**± 7.58%**	± 3.42%	**± 3.43%**	0%
			Full External Error ± 50.2	
			Analytical Error ± 41.8	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.000003670541
	Error Magnification	1.6372	Number of Iterations	34
	Number of Data Points	17	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D32212	1.8 %		0.0077409 ± 0.0001480	0.00337536 ± 0.00002361	0.0031
14D32213	1.9 %		0.0086588 ± 0.0001899	0.00333592 ± 0.00002489	0.0041
14D32214	2.0 %		0.0121733 ± 0.0003960	0.00334668 ± 0.00002936	0.0072
14D32216	2.1 %		0.0167185 ± 0.0005416	0.00334690 ± 0.00003397	0.0119
14D32217	2.2 %		0.0225122 ± 0.0005978	0.00332421 ± 0.00003624	0.0162
14D32218	2.3 %		0.0300397 ± 0.0008082	0.00332215 ± 0.00003898	0.0285
14D32220	2.4 %		0.0405975 ± 0.0011162	0.00331704 ± 0.00004398	0.0440
14D32221	2.5 %		0.0502624 ± 0.0014736	0.00315153 ± 0.00005445	0.0513
14D32222	2.6 %		0.0589880 ± 0.0022842	0.00324603 ± 0.00007716	0.0737
14D32224	2.7 %		0.0758673 ± 0.0025827	0.00322481 ± 0.00008390	0.0950
14D32225	2.8 %		0.0992822 ± 0.0025389	0.00320691 ± 0.00008017	0.1114
14D32226	3.0 %		0.1327296 ± 0.0030690	0.00317079 ± 0.00008668	0.1449
14D32228	3.2 %		0.1738853 ± 0.0034496	0.00306109 ± 0.00008451	0.1962
14D32229	3.4 %		0.2453169 ± 0.0072434	0.00296988 ± 0.00014220	0.2618
14D32230	3.6 %		0.3571561 ± 0.0096662	0.00277780 ± 0.00015797	0.2973
14D32232	3.9 %		0.4504360 ± 0.0140628	0.00268438 ± 0.00018107	0.3285
14D32233	4.2 %		0.5666749 ± 0.0168887	0.00243325 ± 0.00018923	0.3123
14D32234	4.5 %	✓	0.8201641 ± 0.0192974	0.00227460 ± 0.00016165	0.2914
14D32236	4.8 %	✓	0.9614405 ± 0.0296964	0.00217536 ± 0.00021524	0.2859
14D32237	5.1 %	✓	1.3099604 ± 0.0277353	0.00182540 ± 0.00014527	0.2524
14D32238	5.5 %	✓	1.4365398 ± 0.0457595	0.00144131 ± 0.00021095	0.2090
14D32240	5.9 %	✓	1.6294546 ± 0.0329392	0.00140100 ± 0.00013366	0.2040
14D32241	6.3 %	✓	1.7622421 ± 0.0462480	0.00119812 ± 0.00017030	0.1793
14D32242	6.8 %	✓	1.8530551 ± 0.0365585	0.00107181 ± 0.00012691	0.1623
14D32244	7.4 %	✓	1.9244703 ± 0.0327088	0.00100650 ± 0.00012000	0.1384
14D32245	8.1 %	✓	1.9546886 ± 0.0272930	0.00093348 ± 0.00010367	0.1219
14D32246	9.0 %	✓	1.9756098 ± 0.0193076	0.00081591 ± 0.00007594	0.1003
14D32248	9.9 %	✓	2.0114162 ± 0.0164136	0.00071267 ± 0.00006448	0.0852
14D32249	10.9 %	✓	1.9874752 ± 0.0141184	0.00074077 ± 0.00006011	0.0820
14D32250	12.1 %	✓	1.9573356 ± 0.0132253	0.00075471 ± 0.00005569	0.0854
14D32252	13.5 %	✓	1.8261368 ± 0.0125831	0.00092974 ± 0.00006421	0.0931
14D32253	15.5 %	✓	1.5869499 ± 0.0144563	0.00131836 ± 0.00008129	0.1395
14D32254	17.6 %	✓	1.2434626 ± 0.0189584	0.00164348 ± 0.00011841	0.1983
14D32256	19.8 %	✓	1.1547321 ± 0.0186316	0.00177398 ± 0.00013731	0.1942
14D32257	22.1 %		0.9768597 ± 0.0170124	0.00189275 ± 0.00013697	0.2193
14D32258	24.5 %		0.9858086 ± 0.0168509	0.00165360 ± 0.00013989	0.1861

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	**295.02 ± 21.18**	0.38916 ± 0.01234	**1224.4 ± 39.0**	2.44
Error Chron	**± 7.18%**	± 3.17%	**± 3.18%**	0%
			Full External Error ± 47.8	
			Analytical Error ± 38.8	

Statistics				
2σ Confidence Limit	1.73	Convergence	0.0004523584
Error Magnification	1.5627	Number of Iterations	4
Number of Data Points	17	Calculated Line	Weighted York-2
Spreading Factor	46.4%		

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
14D32212	1.8 %		1.7775928	0.35	0.0000000	0.00	0.0019401	5.69	0.0001238	5.39	7.3487	5.69	0.3322321	0.35	0.0000000	0.00	0.0463922	0.96	0.0001021	5.69	0.706314	5.47	4.07665	0.96	0.0049457	5.69	1.35937	135.15	525.2787	0.35	0.0000000	0.00	0.0041174	0.96
14D32213	1.9 %		1.3081890	0.37	0.0000000	0.00	0.0021181	5.48	0.0000806	8.36	8.0231	5.48	0.2445005	0.37	0.0000000	0.00	0.0386418	1.10	0.0001115	5.48	0.459712	8.41	3.39559	1.10	0.0053995	5.48	5.58305	25.83	386.5699	0.37	0.0000000	0.00	0.0034295	1.10
14D32214	2.0 %		0.6252458	0.43	0.0000000	0.00	0.0015772	6.91	0.0000511	12.29	5.9741	6.91	0.1168584	0.43	0.0000000	0.00	0.0258814	1.62	0.0000830	6.91	0.291484	12.33	2.27429	1.62	0.0040206	6.91	2.06549	39.24	184.7601	0.43	0.0000000	0.00	0.0022970	1.62
14D32216	2.1 %		0.4482130	0.50	0.0000000	0.00	0.0015204	7.19	0.0000504	13.74	5.7591	7.19	0.0837710	0.50	0.0000000	0.00	0.0254790	1.62	0.0000801	7.19	0.287734	13.77	2.23893	1.62	0.0038759	7.19	1.47189	45.69	132.4469	0.50	0.0000000	0.00	0.0022613	1.62
14D32217	2.2 %		0.4084024	0.53	0.0000000	0.00	0.0020437	5.07	0.0000670	9.17	7.7414	5.07	0.0763304	0.53	0.0000000	0.00	0.0314747	1.32	0.0001076	5.07	0.382273	9.22	2.76579	1.32	0.0052100	5.07	2.17422	30.28	120.6829	0.53	0.0000000	0.00	0.0027934	1.32
14D32218	2.3 %		0.2948812	0.57	0.0000000	0.00	0.0021216	5.08	0.0000508	12.63	8.0363	5.08	0.0551133	0.57	0.0000000	0.00	0.0303435	1.34	0.0001117	5.08	0.289507	12.67	2.66639	1.34	0.0054084	5.08	1.62463	31.50	87.1374	0.57	0.0000000	0.00	0.0026931	1.34
14D32220	2.4 %		0.2179379	0.63	0.0000000	0.00	0.0021216	5.20	0.0000450	14.76	8.0364	5.20	0.0407326	0.63	0.0000000	0.00	0.0303546	1.36	0.0001117	5.20	0.256325	14.79	2.66736	1.36	0.0054085	5.20	1.30197	32.86	64.4006	0.63	0.0000000	0.00	0.0026940	1.36
14D32221	2.5 %		0.1631136	0.83	0.0000000	0.00	0.0021125	4.98	0.0000429	15.28	8.0019	4.98	0.0304859	0.83	0.0000000	0.00	0.0296042	1.44	0.0001112	4.98	0.244865	15.31	2.60143	1.44	0.0053853	4.98	3.55687	11.78	48.2001	0.83	0.0000000	0.00	0.0026274	1.44
14D32222	2.6 %		0.1029555	1.11	0.0000000	0.00	0.0014669	7.44	0.0000294	22.89	5.5563	7.44	0.0192424	1.11	0.0000000	0.00	0.0212913	1.89	0.0000772	7.44	0.167846	22.91	1.87094	1.89	0.0037394	7.44	1.29399	28.09	30.4234	1.11	0.0000000	0.00	0.0018897	1.89
14D32224	2.7 %		0.0922495	1.22	0.0000000	0.00	0.0018011	6.06	0.0000304	20.22	6.8223	6.06	0.0172414	1.22	0.0000000	0.00	0.0246977	1.64	0.0000948	6.06	0.173233	20.24	2.17027	1.64	0.0045914	6.06	1.34645	26.50	27.2597	1.22	0.0000000	0.00	0.0021920	1.64
14D32225	2.8 %		0.0992601	1.18	0.0000000	0.00	0.0027473	4.00	0.0000515	12.47	10.4065	4.00	0.0185517	1.18	0.0000000	0.00	0.0349705	1.21	0.0001447	4.00	0.293547	12.51	3.07298	1.21	0.0070036	4.00	1.62058	22.77	29.3313	1.18	0.0000000	0.00	0.0031037	1.21
14D32226	3.0 %		0.0866416	1.28	0.0000000	0.00	0.0033996	3.29	0.0000658	9.87	12.8772	3.29	0.0161933	1.28	0.0000000	0.00	0.0412733	1.05	0.0001790	3.29	0.375032	9.92	3.62683	1.05	0.0086664	3.29	1.72234	20.49	25.6026	1.28	0.0000000	0.00	0.0036631	1.05
14D32228	3.2 %		0.0771011	1.28	0.0000000	0.00	0.0041610	2.68	0.0000709	9.41	15.7614	2.68	0.0144102	1.28	0.0000000	0.00	0.0498413	0.85	0.0002191	2.68	0.403974	9.46	4.37973	0.85	0.0106074	2.68	2.40409	13.29	22.7834	1.28	0.0000000	0.00	0.0044235	0.85
14D32229	3.4 %		0.0403274	2.19	0.0000000	0.00	0.0032969	3.43	0.0000493	13.02	12.4884	3.43	0.0075372	2.19	0.0000000	0.00	0.0379080	1.12	0.0001736	3.43	0.280844	13.05	3.33110	1.12	0.0084047	3.43	1.66203	17.57	11.9167	2.19	0.0000000	0.00	0.0033644	1.12
14D32230	3.6 %		0.0338586	2.63	0.0000000	0.00	0.0043911	2.48	0.0000600	10.66	16.6331	2.48	0.0063282	2.63	0.0000000	0.00	0.0495414	0.83	0.0002312	2.48	0.342148	10.70	4.35338	0.83	0.0111941	2.48	2.18379	13.47	10.0052	2.63	0.0000000	0.00	0.0043969	0.83
14D32232	3.9 %		0.0266358	3.11	0.0000000	0.00	0.0045612	2.41	0.0000610	10.58	17.2773	2.41	0.0049782	3.11	0.0000000	0.00	0.0508625	0.84	0.0002402	2.41	0.347316	10.62	4.46946	0.84	0.0116276	2.41	2.05165	13.51	7.8709	3.11	0.0000000	0.00	0.0045142	0.84
14D32233	4.2 %		0.0236293	3.65	0.0000000	0.00	0.0059248	1.87	0.0000744	9.26	22.4426	1.87	0.0044163	3.65	0.0000000	0.00	0.0626238	0.64	0.0003120	1.87	0.424002	9.31	5.50297	0.64	0.0151039	1.87	2.72853	10.49	6.9825	3.65	0.0000000	0.00	0.0055580	0.64
14D32234	4.5 %	✓	0.0269581	3.38	0.0000000	0.00	0.0106144	1.10	0.0001284	5.04	40.2061	1.10	0.0050385	3.38	0.0000000	0.00	0.1106186	0.41	0.0005589	1.10	0.731490	5.12	9.72044	0.41	0.0270587	1.10	3.88570	7.70	7.9661	3.38	0.0000000	0.00	0.0098176	0.41
14D32236	4.8 %	✓	0.0191901	4.72	0.0000000	0.00	0.0096687	1.21	0.0001172	5.73	36.6240	1.21	0.0035866	4.72	0.0000000	0.00	0.0965188	0.45	0.0005091	1.21	0.667524	5.80	8.48144	0.45	0.0246480	1.21	3.15092	9.45	5.6707	4.72	0.0000000	0.00	0.0085663	0.45
14D32237	5.1 %	✓	0.0231182	3.84	0.0000000	0.00	0.0185287	0.71	0.0002259	3.15	70.1844	0.71	0.0043208	3.84	0.0000000	0.00	0.1887977	0.24	0.0009756	0.71	1.286232	3.28	16.59031	0.24	0.0472341	0.71	5.83332	5.03	6.8314	3.84	0.0000000	0.00	0.0167562	0.24
14D32238	5.5 %	✓	0.0120753	7.15	0.0000000	0.00	0.0136146	0.89	0.0001659	4.08	51.5704	0.89	0.0022569	7.15	0.0000000	0.00	0.1369628	0.32	0.0007168	0.89	0.944947	4.18	12.03539	0.32	0.0347069	0.89	4.80979	5.96	3.5683	7.15	0.0000000	0.00	0.0121557	0.32
14D32240	5.9 %	✓	0.0184825	4.67	0.0000000	0.00	0.0236087	0.59	0.0003079	2.39	89.4268	0.59	0.0034544	4.67	0.0000000	0.00	0.2446281	0.19	0.0012430	0.59	1.752993	2.56	21.49632	0.19	0.0601842	0.59	7.73075	3.71	5.4616	4.67	0.0000000	0.00	0.0217113	0.19
14D32241	6.3 %	✓	0.0120919	6.99	0.0000000	0.00	0.0194946	0.68	0.0002563	2.69	73.8431	0.68	0.0022600	6.99	0.0000000	0.00	0.2023966	0.22	0.0010264	0.68	1.458815	2.84	17.78529	0.22	0.0496964	0.68	6.51927	4.32	3.5732	6.99	0.0000000	0.00	0.0179631	0.22
14D32242	6.8 %	✓	0.0144413	5.84	0.0000000	0.00	0.0265575	0.56	0.0003650	1.96	100.5964	0.56	0.0026991	5.84	0.0000000	0.00	0.2841332	0.16	0.0013983	0.56	2.077791	2.16	24.96777	0.16	0.0677014	0.56	9.20642	3.06	4.2674	5.84	0.0000000	0.00	0.0252174	0.16
14D32244	7.4 %	✓	0.0156314	5.90	0.0000000	0.00	0.0316645	0.51	0.0004378	1.78	119.9414	0.51	0.0029215	5.90	0.0000000	0.00	0.3401258	0.15	0.0016672	0.51	2.491724	2.00	29.88803	0.15	0.0807206	0.51	10.91144	2.77	4.6191	5.90	0.0000000	0.00	0.0301869	0.15
14D32245	8.1 %	✓	0.0177709	5.51	0.0000000	0.00	0.0382400	0.48	0.0005519	1.53	144.8487	0.48	0.0033214	5.51	0.0000000	0.00	0.4234711	0.12	0.0020134	0.48	3.140751	1.79	37.21187	0.12	0.0974831	0.48	13.78595	2.30	5.2513	5.51	0.0000000	0.00	0.0375840	0.12
14D32246	9.0 %	✓	0.0225733	4.63	0.0000000	0.00	0.0547987	0.43	0.0008550	1.23	207.5708	0.43	0.0042190	4.63	0.0000000	0.00	0.6220074	0.10	0.0028852	0.43	4.865327	1.53	54.65794	0.10	0.1396951	0.43	20.99595	1.60	6.6704	4.63	0.0000000	0.00	0.0552045	0.10
14D32248	9.9 %	✓	0.0235054	4.51	0.0000000	0.00	0.0647855	0.42	0.0010446	1.13	245.3997	0.42	0.0043932	4.51	0.0000000	0.00	0.7549595	0.10	0.0034111	0.42	5.943402	1.46	66.34090	0.10	0.1651540	0.42	26.03634	1.30	6.9458	4.51	0.0000000	0.00	0.0670043	0.10
14D32249	10.9 %	✓	0.0281734	4.04	0.0000000	0.00	0.0730190	0.41	0.0012029	1.09	276.5870	0.41	0.0052656	4.04	0.0000000	0.00	0.8601992	0.09	0.0038446	0.41	6.843857	1.42	75.58868	0.09	0.1861431	0.41	29.70727	1.22	8.3252	4.04	0.0000000	0.00	0.0763446	0.09
14D32250	12.1 %	✓	0.0302920	3.67	0.0000000	0.00	0.0777349	0.40	0.0012765	1.06	294.4502	0.40	0.0056616	3.67	0.0000000	0.00	0.8940325	0.09	0.0040929	0.40	7.261935	1.41	78.56173	0.09	0.1981650	0.40	31.18578	1.14	8.9513	3.67	0.0000000	0.00	0.0793473	0.09
14D32252	13.5 %	✓	0.0366503	3.44	0.0000000	0.00	0.0822488	0.40	0.0011028	1.11	311.5486	0.40	0.0068499	3.44	0.0000000	0.00	0.8192020	0.09	0.0043305	0.40	6.272521	1.44	71.98612	0.09	0.2096722	0.40	28.58972	1.38	10.8302	3.44	0.0000000	0.00	0.0727060	0.09
14D32253	15.5 %	✓	0.0392683	3.05	0.0000000	0.00	0.0763172	0.41	0.0006599	1.34	289.0805	0.41	0.0073392	3.05	0.0000000	0.00	0.5379154	0.11	0.0040182	0.41	3.753135	1.62	47.26848	0.11	0.1945512	0.41	18.18197	2.08	11.6038	3.05	0.0000000	0.00	0.0477412	0.11
14D32254	17.6 %	✓	0.0291577	3.53	0.0000000	0.00	0.0506259	0.43	0.0002658	2.70	191.7649	0.43	0.0054496	3.53	0.0000000	0.00	0.2510521	0.19	0.0026655	0.43	1.511401	2.85	22.06082	0.19	0.1290578	0.43	9.12533	3.63	8.6161	3.53	0.0000000	0.00	0.0222814	0.19
14D32256	19.8 %	✓	0.0298942	3.79	0.0000000	0.00	0.0546585	0.43	0.0002461	2.90	207.0398	0.43	0.0055872	3.79	0.0000000	0.00	0.2214436	0.21	0.0028779	0.43	1.399618	3.04	19.45902	0.21	0.1393378	0.43	8.01780	4.49	8.8337	3.79	0.0000000	0.00	0.0196536	0.21
14D32257	22.1 %		0.0297619	3.52	0.0000000	0.00	0.0484042	0.44	0.0002106	3.26	183.3491	0.44	0.0055625	3.52	0.0000000	0.00	0.1747999	0.26	0.0025486	0.44	1.197377	3.39	15.36027	0.26	0.1233939	0.44	6.92949	4.85	8.7946	3.52	0.0000000	0.00	0.0155139	0.26
14D32258	24.5 %		0.0262968	4.15	0.0000000	0.00	0.0511022	0.44	0.0002478	2.79	193.5691	0.44	0.0049149	4.15	0.0000000	0.00	0.1784058	0.24	0.0026906	0.44	1.408839	2.94	15.67713	0.24	0.1302720	0.44	8.13210	4.28	7.7707	4.15	0.0000000	0.00	0.0158339	0.24
Σ			6.2815678	0.17	0.0000000	0.00	0.8729918	0.12	0.0106727	0.44	3306.7873	0.12	1.1740250	0.17	0.0000000	0.00	7.9728512	0.04	0.0459643	0.12	60.735835	0.50	700.60204	0.04	2.2254678	0.12	288.88625	1.13	1856.2033	0.17	0.0000000	0.00	0.7076081	0.04
Σ									7.1652323	0.15	3306.7873	0.12									69.928675	0.44			702.82751	0.04							2145.7971	0.21

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D32212	1.8 %		129.028581	1.232319	1.800448	0.103920	0.436020	0.004430	107.917	8.448915	1.00076263	2.528E-11
14D32213	1.9 %		115.306599	1.262404	2.359044	0.131814	0.385296	0.004450	107.925	8.450305	1.00076269	1.882E-11
14D32214	2.0 %		82.002927	1.331338	2.622185	0.186153	0.275149	0.004618	107.933	8.451696	1.00076275	8.968E-12
14D32216	2.1 %		59.711508	0.965510	2.567829	0.189138	0.200545	0.003386	107.951	8.454595	1.00076287	6.428E-12
14D32217	2.2 %		44.337769	0.587584	2.793733	0.146324	0.148146	0.002109	107.960	8.456103	1.00076294	5.897E-12
14D32218	2.3 %		33.222869	0.445993	3.007821	0.157979	0.111181	0.001609	107.968	8.457495	1.00076300	4.261E-12
14D32220	2.4 %		24.583207	0.337261	3.006755	0.161592	0.082351	0.001230	107.985	8.460396	1.00076312	3.154E-12
14D32221	2.5 %		19.855501	0.290464	3.069622	0.159082	0.063399	0.001048	107.994	8.461788	1.00076318	2.484E-12
14D32222	2.6 %		16.919781	0.326962	2.963873	0.227379	0.055717	0.001216	108.003	8.463297	1.00076324	1.523E-12
14D32224	2.7 %		13.154095	0.223456	3.136902	0.197040	0.043258	0.000874	108.020	8.466200	1.00076336	1.373E-12
14D32225	2.8 %		10.050399	0.128240	3.378760	0.141176	0.033136	0.000549	108.028	8.467594	1.00076342	1.486E-12
14D32226	3.0 %		7.517164	0.086731	3.542089	0.122320	0.024785	0.000400	108.038	8.469104	1.00076349	1.312E-12
14D32228	3.2 %		5.738031	0.056813	3.590024	0.100723	0.018525	0.000273	108.054	8.471892	1.00076360	1.209E-12
14D32229	3.4 %		4.067108	0.059950	3.739597	0.134744	0.013078	0.000300	108.063	8.473403	1.00076367	6.519E-13
14D32230	3.6 %		2.793723	0.037760	3.810938	0.099625	0.008777	0.000215	108.072	8.474798	1.00076373	5.853E-13
14D32232	3.9 %		2.215318	0.034544	3.855594	0.098204	0.006976	0.000192	108.089	8.477704	1.00076385	4.765E-13
14D32233	4.2 %		1.760857	0.026214	4.067101	0.080517	0.005369	0.000159	108.098	8.479216	1.00076391	4.664E-13
14D32234	4.5 %	✓	1.216891	0.014301	4.124761	0.048241	0.003868	0.000094	108.106	8.480612	1.00076397	5.694E-13
14D32236	4.8 %	✓	1.038099	0.016014	4.305625	0.055435	0.003407	0.000107	108.124	8.483521	1.00076409	4.238E-13
14D32237	5.1 %	✓	0.762222	0.008058	4.218438	0.031452	0.002517	0.000053	108.132	8.484917	1.00076415	6.087E-13
14D32238	5.5 %	✓	0.695123	0.011055	4.272578	0.040366	0.002142	0.000071	108.141	8.486430	1.00076422	4.027E-13
14D32240	5.9 %	✓	0.612996	0.006185	4.148483	0.025871	0.001967	0.000040	108.158	8.489341	1.00076434	6.343E-13
14D32241	6.3 %	✓	0.566885	0.007425	4.140351	0.029777	0.001785	0.000047	108.167	8.490739	1.00076440	4.853E-13
14D32242	6.8 %	✓	0.539197	0.005309	4.018157	0.023488	0.001652	0.000033	108.175	8.492136	1.00076446	6.480E-13
14D32244	7.4 %	✓	0.519231	0.004404	4.002216	0.021181	0.001593	0.000030	108.192	8.495049	1.00076458	7.469E-13
14D32245	8.1 %	✓	0.511261	0.003562	3.882368	0.019122	0.001516	0.000026	108.201	8.496564	1.00076464	9.156E-13
14D32246	9.0 %	✓	0.505890	0.002467	3.787951	0.016693	0.001428	0.000019	108.210	8.497962	1.00076470	1.331E-12
14D32248	9.9 %	✓	0.496935	0.002023	3.689885	0.015910	0.001343	0.000015	108.227	8.500877	1.00076482	1.586E-12
14D32249	10.9 %	✓	0.502922	0.001783	3.650117	0.015212	0.001351	0.000015	108.235	8.502276	1.00076488	1.829E-12
14D32250	12.1 %	✓	0.510621	0.001722	3.738580	0.015386	0.001388	0.000014	108.244	8.503793	1.00076495	1.930E-12
14D32252	13.5 %	✓	0.547021	0.001881	4.315330	0.017672	0.001662	0.000017	108.262	8.506709	1.00076507	1.896E-12
14D32253	15.5 %	✓	0.628563	0.002858	6.090645	0.025533	0.002449	0.000025	108.270	8.508109	1.00076513	1.432E-12
14D32254	17.6 %	✓	0.800533	0.006093	8.641999	0.041016	0.003607	0.000046	108.279	8.509627	1.00076519	8.527E-13
14D32256	19.8 %	✓	0.860848	0.006934	10.564141	0.050062	0.004327	0.000057	108.296	8.512429	1.00076531	8.098E-13
14D32257	22.1 %		1.016532	0.008837	11.841453	0.060036	0.005062	0.000068	108.305	8.513947	1.00076537	7.555E-13
14D32258	24.5 %		1.007038	0.008593	12.245470	0.061140	0.004912	0.000069	108.313	8.515348	1.00076543	7.641E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D32212	1.8 %	0.0222983 ± 0.0005213	0.0360804 ± 0.0378297	0.1274608 ± 0.0256249	0.0281189 ± 0.0261562	6.1751512 ± 0.1276380
14D32213	1.9 %	0.0219838 ± 0.0005213	0.0336746 ± 0.0378297	0.1219490 ± 0.0256249	0.0269721 ± 0.0261562	6.1394683 ± 0.1276380
14D32214	2.0 %	0.0217173 ± 0.0005213	0.0315682 ± 0.0378297	0.1166557 ± 0.0256249	0.0257579 ± 0.0261562	6.1122607 ± 0.1276380
14D32216	2.1 %	0.0212978 ± 0.0005213	0.0279593 ± 0.0378297	0.1063295 ± 0.0256249	0.0230514 ± 0.0261562	6.0788703 ± 0.1276380
14D32217	2.2 %	0.0211424 ± 0.0005213	0.0264078 ± 0.0378297	0.1013344 ± 0.0256249	0.0215710 ± 0.0261562	6.0719413 ± 0.1276380
14D32218	2.3 %	0.0210316 ± 0.0005213	0.0251227 ± 0.0378297	0.0969512 ± 0.0256249	0.0201728 ± 0.0261562	6.0707463 ± 0.1276380
14D32220	2.4 %	0.0208858 ± 0.0005213	0.0227626 ± 0.0378297	0.0885208 ± 0.0256249	0.0172008 ± 0.0261562	6.0810991 ± 0.1276380
14D32221	2.5 %	0.0208499 ± 0.0005213	0.0217250 ± 0.0378297	0.0848110 ± 0.0256249	0.0157639 ± 0.0261562	6.0908500 ± 0.1276380
14D32222	2.6 %	0.0208313 ± 0.0005213	0.0206338 ± 0.0378297	0.0810385 ± 0.0256249	0.0142128 ± 0.0261562	6.1039698 ± 0.1276380
14D32224	2.7 %	0.0208424 ± 0.0005213	0.0185424 ± 0.0378297	0.0745041 ± 0.0256249	0.0112839 ± 0.0261562	6.1342297 ± 0.1276380
14D32225	2.8 %	0.0208644 ± 0.0005213	0.0175077 ± 0.0378297	0.0717043 ± 0.0256249	0.0099207 ± 0.0261562	6.1500852 ± 0.1276380
14D32226	3.0 %	0.0208970 ± 0.0005213	0.0163448 ± 0.0378297	0.0689177 ± 0.0256249	0.0084876 ± 0.0261562	6.1675803 ± 0.1276380
14D32228	3.2 %	0.0209735 ± 0.0005213	0.0140487 ± 0.0378297	0.0644466 ± 0.0256249	0.0059943 ± 0.0261562	6.1992778 ± 0.1276380
14D32229	3.4 %	0.0210199 ± 0.0005213	0.0127133 ± 0.0378297	0.0623895 ± 0.0256249	0.0047443 ± 0.0261562	6.2154406 ± 0.1276380
14D32230	3.6 %	0.0210639 ± 0.0005213	0.0114215 ± 0.0378297	0.0607182 ± 0.0256249	0.0036638 ± 0.0261562	6.2293969 ± 0.1276380
14D32232	3.9 %	0.0211543 ± 0.0005213	0.0085612 ± 0.0378297	0.0579377 ± 0.0256249	0.0016722 ± 0.0261562	6.2547499 ± 0.1276380
14D32233	4.2 %	0.0211986 ± 0.0005213	0.0069990 ± 0.0378297	0.0568665 ± 0.0256249	0.0007926 ± 0.0261562	6.2656814 ± 0.1276380
14D32234	4.5 %	0.0212370 ± 0.0005213	0.0055257 ± 0.0378297	0.0561052 ± 0.0256249	0.0000857 ± 0.0261562	6.2743265 ± 0.1276380
14D32236	4.8 %	0.0213082 ± 0.0005213	0.0024233 ± 0.0378297	0.0552207 ± 0.0256249	0.0010316 ± 0.0261562	6.2879466 ± 0.1276380
14D32237	5.1 %	0.0213381 ± 0.0005213	0.0009553 ± 0.0378297	0.0551329 ± 0.0256249	0.0013828 ± 0.0261562	6.2925278 ± 0.1276380
14D32238	5.5 %	0.0213677 ± 0.0005213	0.0005865 ± 0.0378297	0.0552842 ± 0.0256249	0.0016173 ± 0.0261562	6.2962607 ± 0.1276380
14D32240	5.9 %	0.0214188 ± 0.0005213	0.0032939 ± 0.0378297	0.0562956 ± 0.0256249	0.0016110 ± 0.0261562	6.3007494 ± 0.1276380
14D32241	6.3 %	0.0214422 ± 0.0005213	0.0044112 ± 0.0378297	0.0571178 ± 0.0256249	0.0013804 ± 0.0261562	6.3021921 ± 0.1276380
14D32242	6.8 %	0.0214664 ± 0.0005213	0.0053666 ± 0.0378297	0.0581584 ± 0.0256249	0.0009936 ± 0.0261562	6.3035971 ± 0.1276380
14D32244	7.4 %	0.0215248 ± 0.0005213	0.0066770 ± 0.0378297	0.0610278 ± 0.0256249	0.0003413 ± 0.0261562	6.3080624 ± 0.1276380
14D32245	8.1 %	0.0215632 ± 0.0005213	0.0069003 ± 0.0378297	0.0628946 ± 0.0256249	0.0013324 ± 0.0261562	6.3122457 ± 0.1276380
14D32246	9.0 %	0.0216062 ± 0.0005213	0.0067654 ± 0.0378297	0.0648452 ± 0.0256249	0.0024363 ± 0.0261562	6.3179514 ± 0.1276380
14D32248	9.9 %	0.0217284 ± 0.0005213	0.0052206 ± 0.0378297	0.0696106 ± 0.0256249	0.0053444 ± 0.0261562	6.3380329 ± 0.1276380
14D32249	10.9 %	0.0218077 ± 0.0005213	0.0037653 ± 0.0378297	0.0722347 ± 0.0256249	0.0070442 ± 0.0261562	6.3529047 ± 0.1276380
14D32250	12.1 %	0.0219129 ± 0.0005213	0.0015806 ± 0.0378297	0.0753239 ± 0.0256249	0.0091168 ± 0.0261562	6.3739059 ± 0.1276380
14D32252	13.5 %	0.0221847 ± 0.0005213	0.0046675 ± 0.0378297	0.0819852 ± 0.0256249	0.0138030 ± 0.0261562	6.4319998 ± 0.1276380
14D32253	15.5 %	0.0223544 ± 0.0005213	0.0087564 ± 0.0378297	0.0855194 ± 0.0256249	0.0163910 ± 0.0261562	6.4698777 ± 0.1276380
14D32254	17.6 %	0.0225725 ± 0.0005213	0.0140871 ± 0.0378297	0.0895945 ± 0.0256249	0.0194504 ± 0.0261562	6.5195743 ± 0.1276380
14D32256	19.8 %	0.0230841 ± 0.0005213	0.0266835 ± 0.0378297	0.0977912 ± 0.0256249	0.0258187 ± 0.0261562	6.6388831 ± 0.1276380
14D32257	22.1 %	0.0234295 ± 0.0005213	0.0351694 ± 0.0378297	0.1025959 ± 0.0256249	0.0296693 ± 0.0261562	6.7207218 ± 0.1276380
14D32258	24.5 %	0.0237968 ± 0.0005213	0.0441486 ± 0.0378297	0.1072585 ± 0.0256249	0.0334808 ± 0.0261562	6.8084779 ± 0.1276380

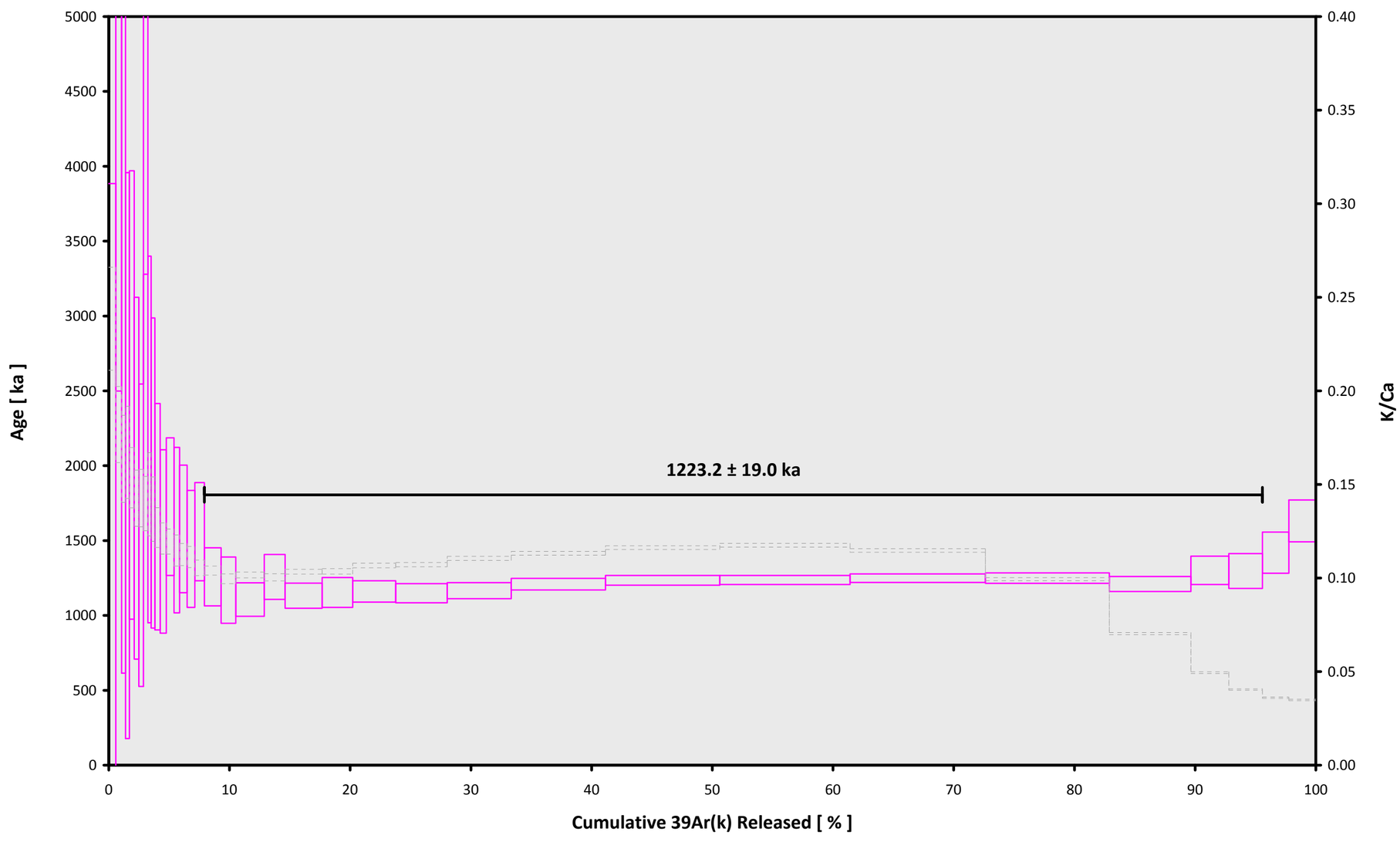
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D32212	1.8 %	1.7190903 ± 0.0031257	0.1975	EXP 150 of 150	0.816378 ± 0.030223	0.0318	EXP 150 of 150	0.9431551 ± 0.0266662	0.0680	EXP 150 of 150	4.079540 ± 0.028336	0.7244	EXP 150 of 150	534.258808 ± 0.110475	0.9985	EXP 150 of 150
14D32213	1.9 %	1.2713570 ± 0.0027690	0.7723	EXP 150 of 150	0.896860 ± 0.034008	0.0034	EXP 150 of 150	0.6111400 ± 0.0275924	0.0092	EXP 150 of 150	3.402819 ± 0.025963	0.1080	EXP 150 of 150	399.369193 ± 0.097373	0.9838	EXP 150 of 150
14D32214	2.0 %	0.6194028 ± 0.0018154	0.2998	EXP 150 of 150	0.661212 ± 0.029235	0.0238	EXP 150 of 150	0.3118775 ± 0.0241893	0.0008	EXP 150 of 150	2.287224 ± 0.025664	0.0579	EXP 150 of 150	193.451547 ± 0.040599	0.9987	EXP 150 of 150
14D32216	2.1 %	0.4501387 ± 0.0016306	0.2229	EXP 150 of 150	0.639658 ± 0.029405	0.0016	EXP 150 of 150	0.2854557 ± 0.0292654	0.0020	EXP 150 of 150	2.249273 ± 0.024581	0.0113	EXP 150 of 150	140.366514 ± 0.037666	0.9985	EXP 150 of 150
14D32217	2.2 %	0.4125411 ± 0.0016513	0.1930	EXP 150 of 150	0.870845 ± 0.025012	0.0510	EXP 150 of 150	0.3823349 ± 0.0229555	0.0421	EXP 150 of 150	2.772085 ± 0.025135	0.0181	EXP 150 of 150	129.268150 ± 0.038748	0.9981	EXP 150 of 150
14D32218	2.3 %	0.3042537 ± 0.0012528	0.0308	EXP 150 of 150	0.906151 ± 0.028193	0.0312	EXP 150 of 150	0.2731385 ± 0.0252560	0.0000	EXP 150 of 150	2.672217 ± 0.023747	0.0045	EXP 150 of 150	95.078441 ± 0.038701	0.9984	EXP 150 of 150
14D32220	2.4 %	0.2307417 ± 0.0010310	0.0039	EXP 150 of 150	0.908202 ± 0.030005	0.0620	EXP 150 of 150	0.2346488 ± 0.0270290	0.0014	EXP 150 of 150	2.670213 ± 0.024673	0.0744	EXP 150 of 150	71.966244 ± 0.033238	0.9987	EXP 150 of 150
14D32221	2.5 %	0.1784237 ± 0.0010733	0.1846	EXP 150 of 150	0.905097 ± 0.026185	0.0374	EXP 150 of 150	0.2162003 ± 0.0264703	0.0001	EXP 150 of 150	2.603305 ± 0.026491	0.0314	EXP 150 of 150	57.992098 ± 0.034644	0.9986	EXP 150 of 150
14D32222	2.6 %	0.1204196 ± 0.0009110	0.4273	EXP 150 of 150	0.622811 ± 0.029193	0.0033	EXP 150 of 150	0.1246470 ± 0.0278971	0.0023	EXP 150 of 150	1.875037 ± 0.023418	0.0000	EXP 150 of 150	37.910018 ± 0.029405	0.9990	EXP 150 of 150
14D32224	2.7 %	0.1105427 ± 0.0008913	0.3886	EXP 150 of 150	0.771241 ± 0.029228	0.0264	EXP 150 of 150	0.1379014 ± 0.0231276	0.0025	EXP 150 of 150	2.170069 ± 0.023670	0.0235	EXP 150 of 150	34.820895 ± 0.032004	0.9987	EXP 150 of 150
14D32225	2.8 %	0.1181712 ± 0.0009357	0.2686	EXP 150 of 150	1.186998 ± 0.029513	0.0308	EXP 150 of 150	0.2708933 ± 0.0253126	0.0108	EXP 150 of 150	3.067131 ± 0.025813	0.1004	EXP 150 of 150	37.189844 ± 0.029427	0.9988	EXP 150 of 150
14D32226	3.0 %	0.1068085 ± 0.0008785	0.4005	EXP 150 of 150	1.473870 ± 0.030678	0.0699	EXP 150 of 150	0.3580079 ± 0.0258029	0.0276	EXP 150 of 150	3.617103 ± 0.027286	0.2315	EXP 150 of 150	33.570977 ± 0.029972	0.9987	EXP 150 of 150
14D32228	3.2 %	0.0985195 ± 0.0007414	0.4780	EXP 150 of 150	1.809338 ± 0.030040	0.0557	EXP 150 of 150	0.3977702 ± 0.0271518	0.0224	EXP 150 of 150	4.363874 ± 0.025649	0.4171	EXP 150 of 150	31.460129 ± 0.029016	0.9987	EXP 150 of 150
14D32229	3.4 %	0.0626600 ± 0.0006420	0.6419	EXP 149 of 150	1.431773 ± 0.031432	0.1087	EXP 150 of 150	0.2597334 ± 0.0252512	0.0109	EXP 150 of 150	3.319563 ± 0.026104	0.3317	EXP 150 of 150	19.834761 ± 0.029364	0.9987	EXP 150 of 150
14D32230	3.6 %	0.0575899 ± 0.0006552	0.6897	EXP 150 of 150	1.912147 ± 0.028149	0.0795	EXP 149 of 150	0.3322363 ± 0.0250445	0.0044	EXP 150 of 150	4.335965 ± 0.024273	0.4013	EXP 150 of 150	18.456170 ± 0.028264	0.9988	EXP 150 of 150
14D32232	3.9 %	0.0509568 ± 0.0005759	0.7170	EXP 150 of 150	1.988818 ± 0.028639	0.0802	EXP 150 of 150	0.3400964 ± 0.0254490	0.0131	EXP 150 of 150	4.449633 ± 0.026406	0.4230	EXP 150 of 150	16.208964 ± 0.028839	0.9986	EXP 150 of 150
14D32233	4.2 %	0.0494476 ± 0.0006210	0.7118	EXP 150 of 150	2.587065 ± 0.028921	0.3079	EXP 150 of 150	0.4279551 ± 0.0287986	0.0089	EXP 150 of 150	5.478071 ± 0.022928	0.6366	EXP 150 of 150	16.008822 ± 0.029492	0.9985	EXP 150 of 150
14D32234	**4.5 %**	**0.0571825 ± 0.0006770**	**0.6657**	**EXP 150 of 150**	**4.641002 ± 0.029350**	**0.4260**	**EXP 149 of 150**	**0.7803319 ± 0.0249257**	**0.0289**	**EXP 150 of 150**	**9.675517 ± 0.028466**	**0.7995**	**EXP 150 of 150**	**18.168437 ± 0.030247**	**0.9984**	**EXP 150 of 150**
14D32236	**4.8 %**	**0.0489351 ± 0.0006748**	**0.6176**	**EXP 149 of 150**	**4.228682 ± 0.030430**	**0.4659**	**EXP 150 of 150**	**0.7027062 ± 0.0270195**	**0.0331**	**EXP 150 of 150**	**8.442169 ± 0.026516**	**0.7745**	**EXP 150 of 150**	**15.142282 ± 0.028264**	**0.9985**	**EXP 150 of 150**
14D32237	**5.1 %**	**0.0612612 ± 0.0006453**	**0.5983**	**EXP 150 of 150**	**8.105985 ± 0.030313**	**0.6902**	**EXP 150 of 150**	**1.4055142 ± 0.0282468**	**0.0864**	**EXP 150 of 150**	**16.513145 ± 0.027044**	**0.9358**	**EXP 150 of 150**	**19.008735 ± 0.029274**	**0.9984**	**EXP 150 of 150**
14D32238	**5.5 %**	**0.0460197 ± 0.0006222**	**0.7236**	**EXP 150 of 150**	**5.956379 ± 0.029615**	**0.5732**	**EXP 150 of 150**	**1.0151767 ± 0.0267199**	**0.0511**	**EXP 150 of 150**	**11.979240 ± 0.026188**	**0.8842**	**EXP 149 of 150**	**14.709426 ± 0.029957**	**0.9983**	**EXP 150 of 150**
14D32240	**5.9 %**	**0.0618437 ± 0.0006102**	**0.6284**	**EXP 149 of 150**	**10.327515 ± 0.028384**	**0.8211**	**EXP 150 of 150**	**1.9194046 ± 0.0282239**	**0.1874**	**EXP 150 of 150**	**21.395504 ± 0.028431**	**0.9593**	**EXP 150 of 150**	**19.550969 ± 0.030351**	**0.9981**	**EXP 150 of 150**
14D32241	**6.3 %**	**0.0518023 ± 0.0005943**	**0.6741**	**EXP 150 of 150**	**8.528114 ± 0.030686**	**0.7593**	**EXP 150 of 150**	**1.5852526 ± 0.0256332**	**0.1441**	**EXP 150 of 150**	**17.701737 ± 0.026473**	**0.9469**	**EXP 150 of 150**	**16.440252 ± 0.028890**	**0.9982**	**EXP 150 of 150**
14D32242	**6.8 %**	**0.0609042 ± 0.0005840**	**0.6548**	**EXP 150 of 150**	**11.615289 ± 0.030490**	**0.8283**	**EXP 150 of 150**	**2.2764096 ± 0.0242679**	**0.3164**	**EXP 150 of 150**	**24.849360 ± 0.023564**	**0.9789**	**EXP 150 of 150**	**19.839602 ± 0.031744**	**0.9978**	**EXP 150 of 150**
14D32244	**7.4 %**	**0.0670360 ± 0.0006785**	**0.5119**	**EXP 150 of 150**	**13.844473 ± 0.028695**	**0.8861**	**EXP 150 of 150**	**2.7377032 ± 0.0270942**	**0.2265**	**EXP 150 of 150**	**29.747495 ± 0.026759**	**0.9809**	**EXP 150 of 150**	**21.911363 ± 0.026667**	**0.9983**	**EXP 150 of 150**
14D32245	**8.1 %**	**0.0754924 ± 0.0007379**	**0.4612**	**EXP 150 of 150**	**16.715300 ± 0.031307**	**0.9043**	**EXP 150 of 150**	**3.4592095 ± 0.0275322**	**0.2933**	**EXP 150 of 150**	**37.034815 ± 0.025367**	**0.9894**	**EXP 150 of 150**	**25.439280 ± 0.030428**	**0.9976**	**EXP 150 of 150**
14D32246	**9.0 %**	**0.0961908 ± 0.0007891**	**0.3472**	**EXP 150 of 150**	**23.946267 ± 0.031455**	**0.9491**	**EXP 150 of 150**	**5.3565508 ± 0.0285235**	**0.5843**	**EXP 150 of 150**	**54.394884 ± 0.030332**	**0.9928**	**EXP 150 of 150**	**34.115399 ± 0.035591**	**0.9965**	**EXP 150 of 150**
14D32248	**9.9 %**	**0.1069043 ± 0.0007862**	**0.3376**	**EXP 150 of 150**	**28.297897 ± 0.037361**	**0.9523**	**EXP 150 of 150**	**6.5474048 ± 0.0268367**	**0.6983**	**EXP 150 of 150**	**66.019626 ± 0.032647**	**0.9945**	**EXP 150 of 150**	**39.477683 ± 0.030137**	**0.9971**	**EXP 150 of 150**
14D32249	**10.9 %**	**0.1194353 ± 0.0008631**	**0.1589**	**EXP 150 of 150**	**31.886847 ± 0.032151**	**0.9687**	**EXP 150 of 150**	**7.5383942 ± 0.0272359**	**0.7180**	**EXP 150 of 150**	**75.221555 ± 0.030420**	**0.9963**	**EXP 150 of 150**	**44.566076 ± 0.029774**	**0.9971**	**EXP 150 of 150**
14D32250	**12.1 %**	**0.1261269 ± 0.0008198**	**0.2216**	**EXP 149 of 150**	**33.937757 ± 0.030143**	**0.9762**	**EXP 150 of 150**	**7.9818442 ± 0.0262514**	**0.7791**	**EXP 149 of 150**	**78.186617 ± 0.028387**	**0.9970**	**EXP 150 of 150**	**46.700407 ± 0.030968**	**0.9968**	**EXP 150 of 150**
14D32252	**13.5 %**	**0.1365991 ± 0.0009796**	**0.0599**	**EXP 150 of 150**	**35.889837 ± 0.030412**	**0.9782**	**EXP 150 of 150**	**6.9264936 ± 0.0274282**	**0.6481**	**EXP 150 of 150**	**71.675727 ± 0.027267**	**0.9967**	**EXP 150 of 150**	**46.032694 ± 0.031727**	**0.9964**	**EXP 150 of 150**
14D32253	**15.5 %**	**0.1331872 ± 0.0009167**	**0.1530**	**EXP 150 of 150**	**33.291641 ± 0.033036**	**0.9712**	**EXP 150 of 150**	**4.1596925 ± 0.0243894**	**0.5223**	**EXP 150 of 150**	**47.128450 ± 0.026873**	**0.9925**	**EXP 150 of 150**	**36.385022 ± 0.034359**	**0.9966**	**EXP 150 of 150**
14D32254	**17.6 %**	**0.0988947 ± 0.0007712**	**0.4642**	**EXP 150 of 150**	**22.072178 ± 0.029823**	**0.9458**	**EXP 150 of 150**	**1.6574365 ± 0.0277049**	**0.1239**	**EXP 149 of 150**	**22.045236 ± 0.028642**	**0.9587**	**EXP 150 of 150**	**24.331918 ± 0.030695**	**0.9978**	**EXP 150 of 150**
14D32256	**19.8 %**	**0.1039346 ± 0.0008890**	**0.3631**	**EXP 150 of 150**	**23.811001 ± 0.028262**	**0.9575**	**EXP 150 of 150**	**1.5100729 ± 0.0278627**	**0.0480**	**EXP 150 of 150**	**19.479247 ± 0.027886**	**0.9490**	**EXP 150 of 150**	**23.556259 ± 0.031997**	**0.9977**	**EXP 150 of 150**
14D32257	22.1 %	0.0981567 ± 0.0007988	0.4811	EXP 149 of 150	21.071100 ± 0.027715	0.9457	EXP 150 of 150	1.2593427 ± 0.0265718	0.0761	EXP 150 of 150	15.398831 ± 0.027493	0.9210	EXP 150 of 150	22.503447 ± 0.029800	0.9983	EXP 150 of 150
14D32258	24.5 %	0.0978283 ± 0.0008472	0.5277	EXP 150 of 150	22.234937 ± 0.033057	0.9386	EXP 150 of 150	1.4663903 ± 0.0261193	0.1599	EXP 150 of 150	15.723990 ± 0.024267	0.9365	EXP 150 of 150	22.770701 ± 0.028509	0.9987	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D32212	1.8 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32213	1.9 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32214	2.0 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32216	2.1 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32217	2.2 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32218	2.3 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32220	2.4 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32221	2.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32222	2.6 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32224	2.7 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32225	2.8 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32226	3.0 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32228	3.2 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32229	3.4 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32230	3.6 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32232	3.9 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32233	4.2 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32234	4.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32236	4.8 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32237	5.1 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32238	5.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32240	5.9 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32241	6.3 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32242	6.8 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32244	7.4 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32245	8.1 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32246	9.0 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32248	9.9 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32249	10.9 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32250	12.1 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32252	13.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32253	15.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32254	17.6 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32256	19.8 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32257	22.1 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	01
14D32258	24.5 %	Chris Conatser	14-OSU-04	0.00	0.00	10.00	Lau Basin\Mullions (13-INT-09)	14D32211	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
14D32212	1.8 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	14	0	1
14D32213	1.9 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	14	12	1
14D32214	2.0 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	14	24	1
14D32216	2.1 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	14	49	1
14D32217	2.2 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	15	2	1
14D32218	2.3 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	15	14	1
14D32220	2.4 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	15	39	1
14D32221	2.5 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	15	51	1
14D32222	2.6 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	16	4	1
14D32224	2.7 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	16	29	1
14D32225	2.8 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	16	41	1
14D32226	3.0 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	16	54	1
14D32228	3.2 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	17	18	1
14D32229	3.4 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	17	31	1
14D32230	3.6 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	17	43	1
14D32232	3.9 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	18	8	1
14D32233	4.2 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	18	21	1
14D32234	**4.5 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**18**	**33**	**1**
14D32236	**4.8 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**18**	**58**	**1**
14D32237	**5.1 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**19**	**10**	**1**
14D32238	**5.5 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**19**	**23**	**1**
14D32240	**5.9 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**19**	**48**	**1**
14D32241	**6.3 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**20**	**0**	**1**
14D32242	**6.8 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**20**	**12**	**1**
14D32244	**7.4 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**20**	**37**	**1**
14D32245	**8.1 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**20**	**50**	**1**
14D32246	**9.0 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**21**	**2**	**1**
14D32248	**9.9 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**21**	**27**	**1**
14D32249	**10.9 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**21**	**39**	**1**
14D32250	**12.1 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**21**	**52**	**1**
14D32252	**13.5 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**22**	**17**	**1**
14D32253	**15.5 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**22**	**29**	**1**
14D32254	**17.6 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**22**	**42**	**1**
14D32256	**19.8 %**	**RR1310-D42-60 (light)**	**Groundmass**	**Lau Basin**	**FCT-NM (4C4-14)**	**28.201**	**0.082**	**Kuiper et al (2008)**	**9.03029**	**0.131**	**0.00174052**	**0.131**	**303.562**	**0.173**	**0.99335192**	**0.072**	**1**	**4.8E-14**	**22**	**NOV**	**2014**	**23**	**6**	**1**
14D32257	22.1 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	23	19	1
14D32258	24.5 %	RR1310-D42-60 (light)	Groundmass	Lau Basin	FCT-NM (4C4-14)	28.201	0.082	Kuiper et al (2008)	9.03029	0.131	0.00174052	0.131	303.562	0.173	0.99335192	0.072	1	4.8E-14	22	NOV	2014	23	31	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
14D32212	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32213	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32214	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32216	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32217	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32218	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32220	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32221	2.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32222	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32224	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32225	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32226	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32228	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32229	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32230	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32232	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32233	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32234	**4.5 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32236	**4.8 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32237	**5.1 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32238	**5.5 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32240	**5.9 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32241	**6.3 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32242	**6.8 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32244	**7.4 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32245	**8.1 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32246	**9.0 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32248	**9.9 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32249	**10.9 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32250	**12.1 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32252	**13.5 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32253	**15.5 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32254	**17.6 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32256	**19.8 %**	**295.5**	**0**	**0.018**	**35**	**0.1869**	**0**	**1.493**	**3**	**0.000673**	**0**	**0.0000139**	**0**	**0.000264**	**0**	**0.00101**	**0**	**0.01138**	**0**	**0**	**0**	**0.43**	**0**	**0**	**0**	**0**	**0**
14D32257	22.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D32258	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0

14D32211.AGE >>> RR1310-D42-60 (LIGHT) >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1223.2 ± 19.0
TOTAL FUSION
1297.3 ± 29.5
NORMAL ISOCHRON
1220.8 ± 41.9
INVERSE ISOCHRON
1224.4 ± 39.0

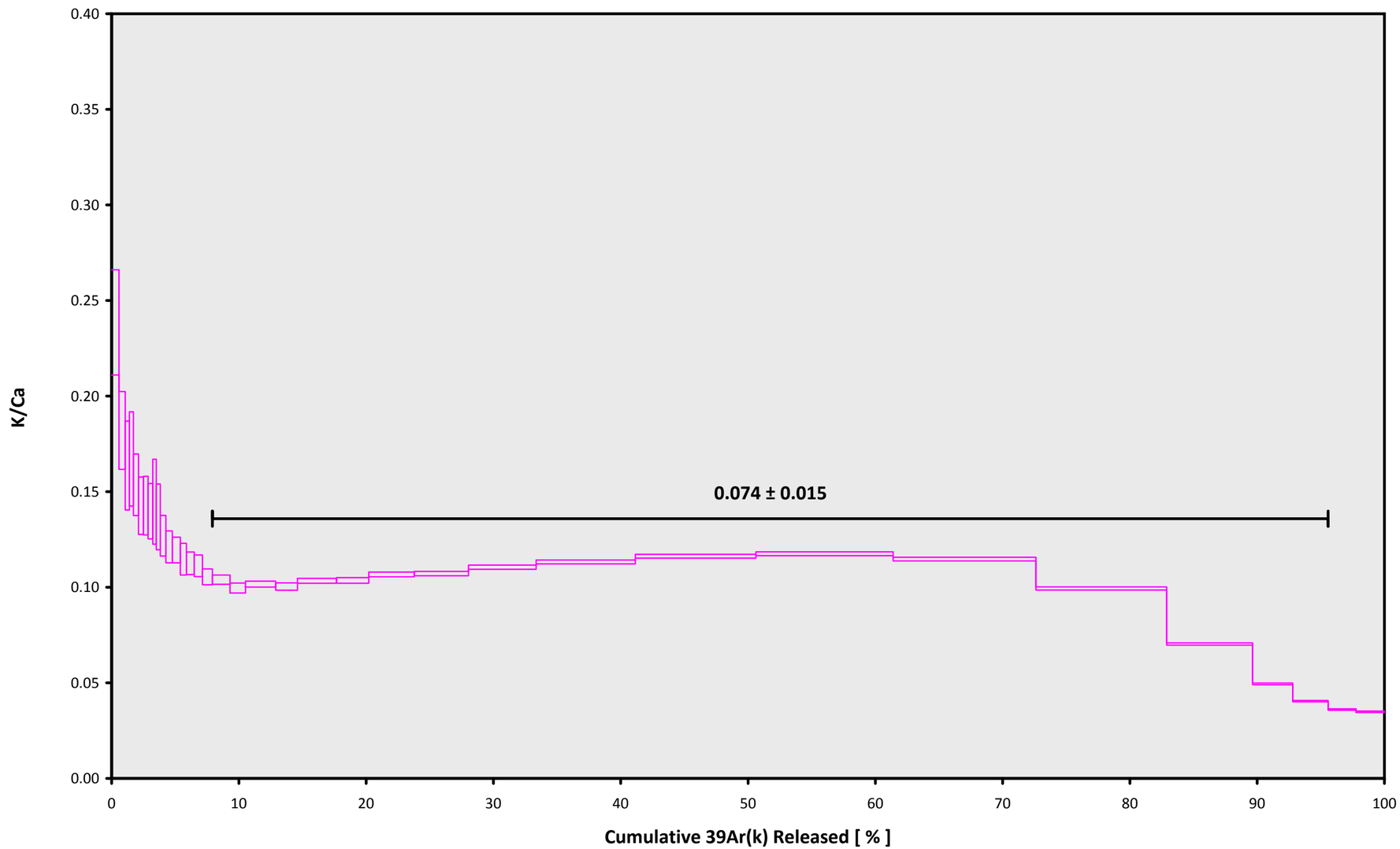
MSWD (PROBABILITY)
2.31 (0%)

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C4-14)
J = 0.00174052 ± 0.00000228

14D32211.AGE >>> RR1310-D42-60 (LIGHT) >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

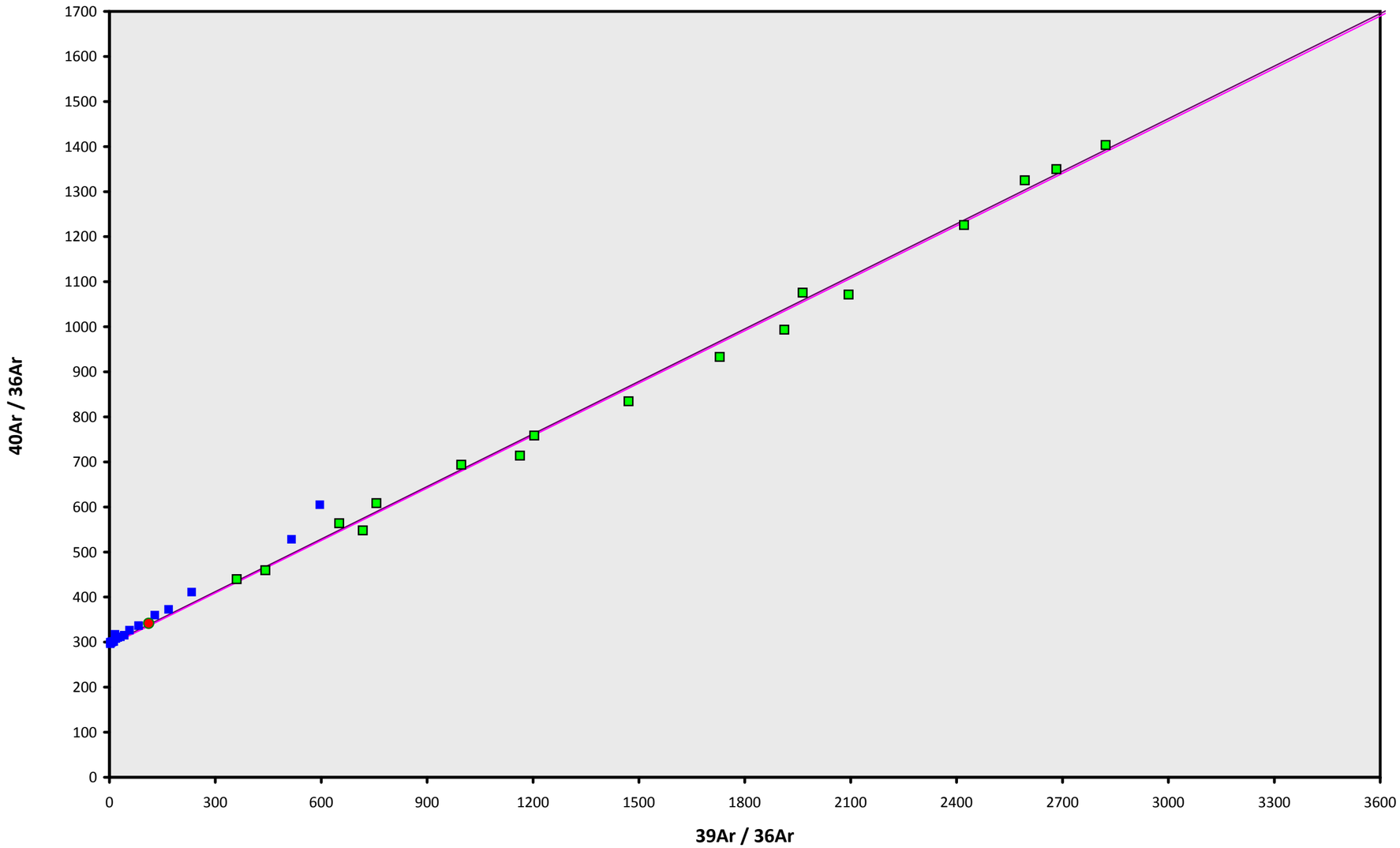
WEIGHTED PLATEAU
1223.2 ± 19.0
TOTAL FUSION
1297.3 ± 29.5
NORMAL ISOCHRON
1220.8 ± 41.9
INVERSE ISOCHRON
1224.4 ± 39.0

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C4-14)
J = 0.00174052 ± 0.00000228

14D32211.AGE >>> RR1310-D42-60 (LIGHT) >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1223.2 ± 19.0
TOTAL FUSION
1297.3 ± 29.5
NORMAL ISOCHRON
1220.8 ± 41.9
INVERSE ISOCHRON
1224.4 ± 39.0

MSWD (PROBABILITY)
2.68 (0%)

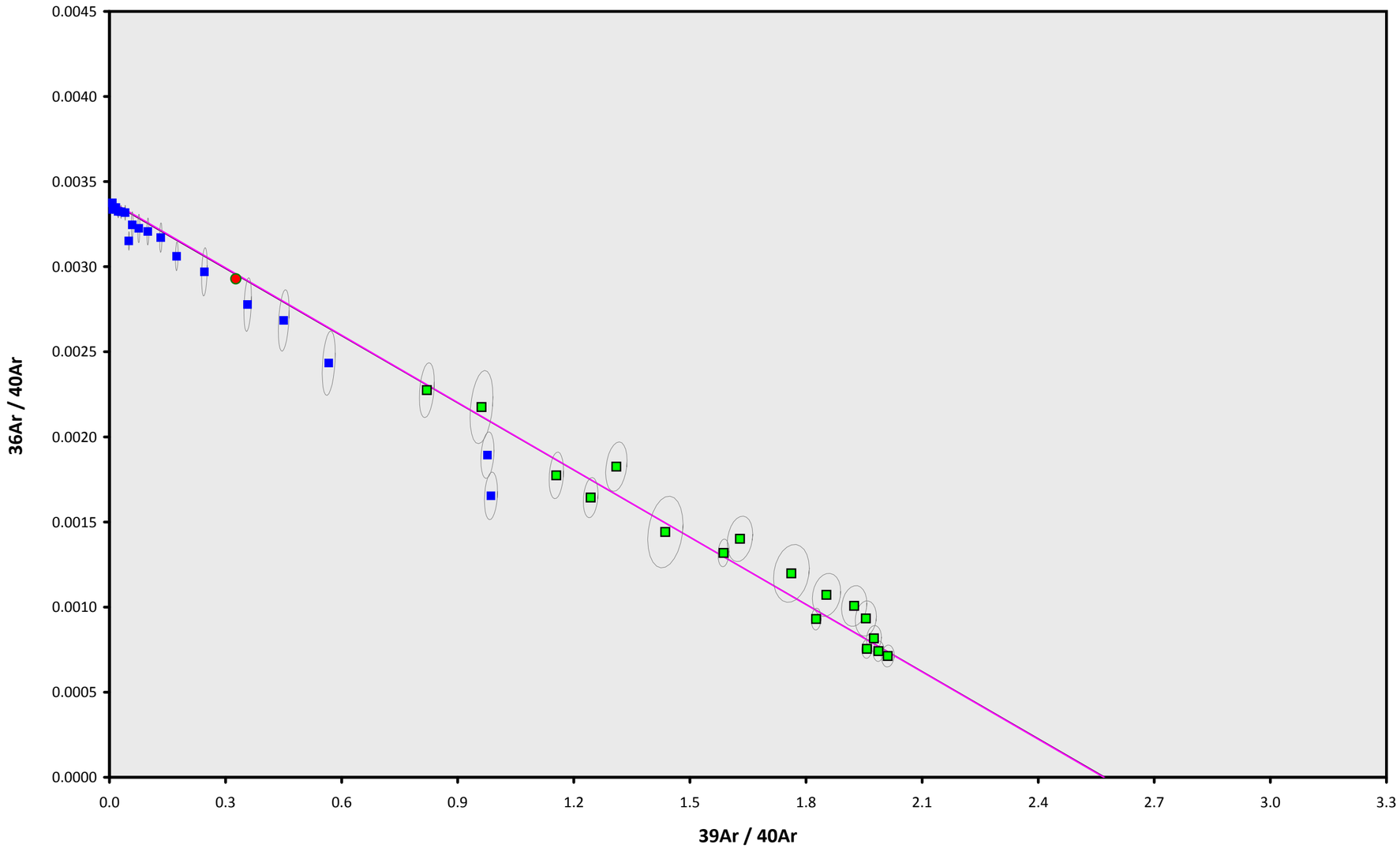
40AR/36AR INTERCEPT
292.9 ± 22.2

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C4-14)
J = 0.00174052 ± 0.00000228

14D32211.AGE >>> RR1310-D42-60 (LIGHT) >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
1223.2 ± 19.0
TOTAL FUSION
1297.3 ± 29.5
NORMAL ISOCHRON
1220.8 ± 41.9
INVERSE ISOCHRON
1224.4 ± 39.0

MSWD (PROBABILITY)
2.44 (0%)

SPREADING FACTOR
46.4%

40AR/36AR INTERCEPT
295.0 ± 21.2

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C4-14)
J = 0.00174052 ± 0.00000228