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
14D32260	1.8 %		1.1738501	0.364	87.5313	0.582	34.00199	0.196	257.1070	0.074	405.5049	0.031	0.25990 ± 0.00988	813.3 ± 30.9	16.48	7.96	1.263 ± 0.015
14D32261	1.9 %		0.2324896	0.660	85.7300	0.576	32.65376	0.195	251.0710	0.075	111.5949	0.107	0.20269 ± 0.00376	634.3 ± 11.8	45.59	7.77	1.259 ± 0.015
14D32262	2.0 %	✓	0.1059091	1.077	75.6597	0.629	28.33258	0.212	219.8716	0.075	65.9819	0.174	0.18975 ± 0.00327	593.8 ± 10.2	63.21	6.81	1.249 ± 0.016
14D32264	2.1 %	✓	0.0693886	1.534	65.0550	0.712	24.23802	0.231	188.2307	0.076	49.6412	0.232	0.18690 ± 0.00359	584.9 ± 11.2	70.85	5.83	1.244 ± 0.018
14D32265	2.2 %	✓	0.0593112	1.650	62.4921	0.760	22.63140	0.247	175.5158	0.076	45.2413	0.252	0.19084 ± 0.00358	597.2 ± 11.2	74.02	5.43	1.207 ± 0.018
14D32266	2.3 %	✓	0.0498941	1.892	54.8931	0.819	19.75905	0.263	153.8766	0.077	38.9134	0.295	0.19003 ± 0.00396	594.7 ± 12.4	75.13	4.76	1.205 ± 0.020
14D32268	2.4 %	✓	0.0460729	2.100	51.4290	0.838	17.88937	0.280	139.8724	0.078	35.7087	0.318	0.19175 ± 0.00444	600.1 ± 13.9	75.09	4.33	1.169 ± 0.020
14D32269	2.5 %	✓	0.0443149	2.188	45.5233	0.928	15.73384	0.302	122.3450	0.080	31.9242	0.361	0.18807 ± 0.00509	588.6 ± 15.9	72.06	3.79	1.155 ± 0.022
14D32270	2.6 %	✓	0.0399137	2.218	41.2391	1.029	13.86158	0.338	107.7102	0.080	29.0059	0.395	0.19481 ± 0.00535	609.6 ± 16.7	72.32	3.33	1.123 ± 0.023
14D32272	2.8 %	✓	0.0434943	2.051	41.4042	1.053	13.69841	0.329	107.0247	0.083	29.6409	0.383	0.19216 ± 0.00541	601.3 ± 16.9	69.36	3.31	1.111 ± 0.023
14D32273	3.0 %	✓	0.0483066	2.125	38.7637	1.078	12.64667	0.365	100.0202	0.083	29.6958	0.382	0.18945 ± 0.00652	592.9 ± 20.4	63.79	3.10	1.109 ± 0.024
14D32274	3.2 %	✓	0.0526858	1.843	40.8870	1.033	12.76651	0.358	101.8224	0.084	31.4780	0.362	0.19255 ± 0.00611	602.6 ± 19.1	62.27	3.15	1.071 ± 0.022
14D32276	3.5 %	✓	0.0613382	1.640	41.5979	0.999	12.67290	0.367	102.6250	0.083	34.3071	0.333	0.19418 ± 0.00625	607.7 ± 19.5	58.07	3.18	1.061 ± 0.021
14D32277	3.8 %	✓	0.0680657	1.523	41.7598	1.004	12.14545	0.393	100.7553	0.083	36.4803	0.311	0.19951 ± 0.00653	624.3 ± 20.4	55.09	3.12	1.037 ± 0.021
14D32278	4.1 %	✓	0.0734532	1.375	37.6028	1.126	10.65571	0.428	92.0514	0.084	36.2477	0.314	0.19433 ± 0.00699	608.1 ± 21.9	49.34	2.85	1.052 ± 0.024
14D32280	4.4 %	✓	0.0464362	2.092	21.7037	1.874	6.13428	0.702	53.2397	0.105	22.6679	0.500	0.20429 ± 0.01167	639.3 ± 36.5	47.97	1.65	1.055 ± 0.040
14D32281	4.7 %	✓	0.0638363	1.513	24.6438	1.821	6.85358	0.685	62.6096	0.097	28.9462	0.394	0.19589 ± 0.00989	613.0 ± 31.0	42.36	1.94	1.092 ± 0.040
14D32282	5.2 %	✓	0.0821255	1.222	32.1674	1.432	8.90281	0.537	89.3067	0.085	39.0440	0.293	0.19719 ± 0.00717	617.1 ± 22.4	45.09	2.76	1.194 ± 0.034
14D32284	5.7 %	✓	0.0728122	1.411	27.2724	1.622	7.37296	0.605	78.4174	0.089	34.4483	0.332	0.19539 ± 0.00833	611.4 ± 26.1	44.47	2.43	1.236 ± 0.040
14D32285	6.2 %	✓	0.0557304	1.766	21.1328	2.142	5.74305	0.790	62.6932	0.095	27.1189	0.419	0.19939 ± 0.01004	624.0 ± 31.4	46.08	1.94	1.275 ± 0.055
14D32286	6.8 %	✓	0.0982856	1.074	19.5637	2.308	5.22307	0.881	60.3485	0.096	39.5747	0.287	0.20274 ± 0.01108	634.4 ± 34.7	30.91	1.87	1.326 ± 0.061
14D32288	7.4 %		0.0550117	1.738	20.1915	2.130	5.18289	0.868	61.3467	0.096	25.9715	0.443	0.18689 ± 0.01001	584.8 ± 31.3	44.13	1.90	1.306 ± 0.056
14D32289	8.1 %		0.0553212	1.703	20.4919	2.043	5.07158	0.863	60.1407	0.102	25.3391	0.449	0.17892 ± 0.01007	559.9 ± 31.5	42.46	1.86	1.262 ± 0.052
14D32290	9.0 %		0.0630759	1.651	22.6536	1.944	5.34955	0.855	60.7076	0.098	26.0447	0.441	0.15413 ± 0.01089	482.3 ± 34.1	35.92	1.88	1.152 ± 0.045
14D32292	9.9 %		0.0628129	1.620	24.3682	1.830	5.20190	0.882	54.8710	0.101	25.1428	0.452	0.15797 ± 0.01179	494.4 ± 36.9	34.47	1.70	0.968 ± 0.035
14D32293	10.9 %		0.0646507	1.605	27.9642	1.601	4.81255	0.948	47.0875	0.108	22.8850	0.500	0.13039 ± 0.01399	408.1 ± 43.8	26.82	1.46	0.724 ± 0.023
14D32294	12.1 %		0.0782097	1.336	38.3926	1.162	4.98078	0.930	44.2023	0.113	25.1551	0.457	0.11834 ± 0.01500	370.3 ± 47.0	20.78	1.37	0.495 ± 0.012
14D32296	13.5 %		0.1015890	1.119	60.4579	0.802	5.64376	0.801	45.8871	0.111	29.1738	0.392	0.08923 ± 0.01557	279.3 ± 48.7	14.02	1.42	0.326 ± 0.005
14D32297	15.5 %		0.1579098	0.819	122.2874	0.516	6.70816	0.671	57.3491	0.102	42.4025	0.268	0.09669 ± 0.01403	302.6 ± 43.9	13.06	1.77	0.201 ± 0.002
14D32298	17.6 %		0.2643017	0.597	213.6466	0.429	4.77999	0.977	54.0564	0.104	67.4353	0.172	0.11430 ± 0.01801	357.7 ± 56.4	9.14	1.67	0.109 ± 0.001
14D32300	19.8 %		0.2613304	0.636	304.3880	0.404	3.59420	1.193	45.7300	0.113	59.3723	0.194	0.13196 ± 0.02258	413.0 ± 70.7	10.12	1.41	0.064 ± 0.001
14D32301	22.1 %		0.3216680	0.609	464.1178	0.390	3.56058	1.303	45.8999	0.108	65.2673	0.175	0.14328 ± 0.02662	448.4 ± 83.3	10.01	1.41	0.042 ± 0.000
14D32302	24.5 %		0.2587826	0.597	535.9449	0.386	2.03235	2.268	28.2435	0.155	38.7147	0.295	0.14756 ± 0.03567	461.8 ± 111.6	10.63	0.86	0.022 ± 0.000
		Σ	4.3323780	0.179	2812.9565	0.142	380.83530	0.073	3232.0362	0.016	1656.0702	0.040					

Information on Analysis and Constants Used in Calculations

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-67**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C6-14)**
Position = **X: 0 | Y: 0 | Z/H: 13.23 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.08069 ± 0.01180**
FCT-NM J-value = **0.00173086 ± 0.00000225**
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-D42-67**
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		0.19169 ± 0.00172	**599.9 ± 5.6**	1.96	65.56	1.155 ± 0.036
Error Mean		± 0.90%	**± 0.93%**	1%	19	
		Full External Error ± 14.7		1.67	2σ Confidence Limit	
		Analytical Error ± 5.4		1.3988	Error Magnification	
Total Fusion Age		0.18882 ± 0.00149	**590.9 ± 4.9**		33	0.494 ± 0.001
		± 0.79%	**± 0.83%**			
		Full External Error ± 14.2				
		Analytical Error ± 4.7				
Normal Isochron	**307.78 ± 5.69**	0.18700 ± 0.00246	**585.2 ± 7.9**	0.90	65.56	
	± 1.85%	± 1.32%	**± 1.34%**	58%	19	
		Full External Error ± 15.4		1.69	2σ Confidence Limit	
		Analytical Error ± 7.7		1.0000	Error Magnification	
				25	Number of Iterations	
				0.0000017379	Convergence	
Inverse Isochron	**307.70 ± 5.70**	0.18719 ± 0.00246	**585.8 ± 7.8**	0.91	65.56	
	± 1.85%	± 1.31%	**± 1.34%**	56%	19	
		Full External Error ± 15.4		1.69	2σ Confidence Limit	
		Analytical Error ± 7.7		1.0000	Error Magnification	
				3	Number of Iterations	
Notes				0.0040658655	Convergence	
A reliable plateau with low and high temperature recoil effects.				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
14D32260	1.8 %		1.1453050	87.5313	30.86151	257.0481	66.80764	813.3 ± 30.9	16.48	7.96	1.263 ± 0.015
14D32261	1.9 %		0.2046142	85.7300	29.75780	251.0133	50.87792	634.3 ± 11.8	45.59	7.77	1.259 ± 0.015
14D32262	2.0 %	✓	0.0813865	75.6597	25.81475	219.8207	41.71013	593.8 ± 10.2	63.21	6.81	1.249 ± 0.016
14D32264	2.1 %	✓	0.0483219	65.0550	22.08652	188.1869	35.17198	584.9 ± 11.2	70.85	5.83	1.244 ± 0.018
14D32265	2.2 %	✓	0.0391782	62.4921	20.62631	175.4737	33.48692	597.2 ± 11.2	74.02	5.43	1.207 ± 0.018
14D32266	2.3 %	✓	0.0322295	54.8931	18.00157	153.8397	29.23424	594.7 ± 12.4	75.13	4.76	1.205 ± 0.020
14D32268	2.4 %	✓	0.0296237	51.4290	16.29177	139.8377	26.81361	600.1 ± 13.9	75.09	4.33	1.169 ± 0.020
14D32269	2.5 %	✓	0.0297695	45.5233	14.33571	122.3144	23.00375	588.6 ± 15.9	72.06	3.79	1.155 ± 0.022
14D32270	2.6 %	✓	0.0267997	41.2391	12.63057	107.6825	20.97784	609.6 ± 16.7	72.32	3.33	1.123 ± 0.023
14D32272	2.8 %	✓	0.0303639	41.4042	12.47453	106.9969	20.56034	601.3 ± 16.9	69.36	3.31	1.111 ± 0.023
14D32273	3.0 %	✓	0.0360447	38.7637	11.50147	99.9941	18.94356	592.9 ± 20.4	63.79	3.10	1.109 ± 0.024
14D32274	3.2 %	✓	0.0398458	40.8870	11.60007	101.7949	19.60076	602.6 ± 19.1	62.27	3.15	1.071 ± 0.022
14D32276	3.5 %	✓	0.0483286	41.5979	11.49574	102.5970	19.92240	607.7 ± 19.5	58.07	3.18	1.061 ± 0.021
14D32277	3.8 %	✓	0.0551027	41.7598	10.98830	100.7272	20.09574	624.3 ± 20.4	55.09	3.12	1.037 ± 0.021
14D32278	4.1 %	✓	0.0618331	37.6028	9.59638	92.0261	17.88306	608.1 ± 21.9	49.34	2.85	1.052 ± 0.024
14D32280	4.4 %	✓	0.0397323	21.7037	5.52085	53.2251	10.87326	639.3 ± 36.5	47.97	1.65	1.055 ± 0.040
14D32281	4.7 %	✓	0.0562485	24.6438	6.13041	62.5931	12.26158	613.0 ± 31.0	42.36	1.94	1.092 ± 0.040
14D32282	5.2 %	✓	0.0722440	32.1674	7.87279	89.2850	17.60576	617.1 ± 22.4	45.09	2.76	1.194 ± 0.034
14D32284	5.7 %	✓	0.0644706	27.2724	6.46835	78.3991	15.31802	611.4 ± 26.1	44.47	2.43	1.236 ± 0.040
14D32285	6.2 %	✓	0.0492652	21.1328	5.02027	62.6790	12.49773	624.0 ± 31.4	46.08	1.94	1.275 ± 0.055
14D32286	6.8 %	✓	0.0923230	19.5637	4.51893	60.3353	12.23228	634.4 ± 34.7	30.91	1.87	1.326 ± 0.061
14D32288	7.4 %		0.0488910	20.1915	4.47550	61.3331	11.46225	584.8 ± 31.3	44.13	1.90	1.306 ± 0.056
14D32289	8.1 %		0.0491383	20.4919	4.37787	60.1269	10.75801	559.9 ± 31.5	42.46	1.86	1.262 ± 0.052
14D32290	9.0 %		0.0562746	22.6536	4.64804	60.6923	9.35422	482.3 ± 34.1	35.92	1.88	1.152 ± 0.045
14D32292	9.9 %		0.0555731	24.3682	4.56693	54.8546	8.66558	494.4 ± 36.9	34.47	1.70	0.968 ± 0.035
14D32293	10.9 %		0.0565147	27.9642	4.26596	47.0686	6.13734	408.1 ± 43.8	26.82	1.46	0.724 ± 0.023
14D32294	12.1 %		0.0672854	38.3926	4.46495	44.1764	5.22764	370.3 ± 47.0	20.78	1.37	0.495 ± 0.012
14D32296	13.5 %		0.0847262	60.4579	5.10535	45.8464	4.09093	279.3 ± 48.7	14.02	1.42	0.326 ± 0.005
14D32297	15.5 %		0.1245603	122.2874	6.03148	57.2668	5.53706	302.6 ± 43.9	13.06	1.77	0.201 ± 0.002
14D32298	17.6 %		0.2071701	213.6466	4.12478	53.9126	6.16208	357.7 ± 56.4	9.14	1.67	0.109 ± 0.001
14D32300	19.8 %		0.1804351	304.3880	3.03817	45.5251	6.00772	413.0 ± 70.7	10.12	1.41	0.064 ± 0.001
14D32301	22.1 %		0.1986110	464.1178	2.99822	45.5876	6.53170	448.4 ± 83.3	10.01	1.41	0.042 ± 0.000
14D32302	24.5 %		0.1169952	535.9449	1.68573	27.8828	4.11442	461.8 ± 111.6	10.63	0.86	0.022 ± 0.000
		Σ	3.5292056	2812.9565	343.37757	3230.1431	609.92746				

Information on Analysis

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-67**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C6-14)**
J = **0.00173086 ± 0.00000225**
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	0.19169	± 0.00172	**599.9 ± 5.6**	1.96	65.56	1.155 ± 0.036
Error Mean		± 0.90%	**± 0.93%**	1%	19	
		Full External Error	± 14.7	1.67	2σ Confidence Limit	
		Analytical Error	± 5.4	1.3988	Error Magnification	
Total Fusion Age	0.18882	± 0.00149	**590.9 ± 4.9**		33	0.494 ± 0.001
		± 0.79%	**± 0.83%**			
		Full External Error	± 14.2			
		Analytical Error	± 4.7			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D32260	1.8 %		224.44 ± 1.71	353.83 ± 2.65	0.9774
14D32261	1.9 %		1226.76 ± 18.57	544.15 ± 8.28	0.9853
14D32262	2.0 %	✓	2700.95 ± 76.35	807.99 ± 22.98	0.9911
14D32264	2.1 %	✓	3894.44 ± 172.89	1023.37 ± 45.65	0.9940
14D32265	2.2 %	✓	4478.86 ± 225.82	1150.23 ± 58.26	0.9945
14D32266	2.3 %	✓	4773.25 ± 282.11	1202.56 ± 71.41	0.9947
14D32268	2.4 %	✓	4720.46 ± 310.68	1200.64 ± 79.37	0.9950
14D32269	2.5 %	✓	4108.72 ± 269.53	1068.23 ± 70.48	0.9937
14D32270	2.6 %	✓	4018.04 ± 267.72	1078.26 ± 72.33	0.9927
14D32272	2.8 %	✓	3523.82 ± 208.87	972.63 ± 58.11	0.9913
14D32273	3.0 %	✓	2774.17 ± 158.99	821.06 ± 47.46	0.9907
14D32274	3.2 %	✓	2554.72 ± 125.45	787.42 ± 39.06	0.9887
14D32276	3.5 %	✓	2122.90 ± 88.97	707.73 ± 30.01	0.9867
14D32277	3.8 %	✓	1827.99 ± 69.24	660.20 ± 25.32	0.9857
14D32278	4.1 %	✓	1488.30 ± 48.98	584.71 ± 19.57	0.9808
14D32280	4.4 %	✓	1339.59 ± 65.98	569.16 ± 28.58	0.9790
14D32281	4.7 %	✓	1112.79 ± 38.57	513.49 ± 18.23	0.9734
14D32282	5.2 %	✓	1235.88 ± 34.65	539.20 ± 15.42	0.9770
14D32284	5.7 %	✓	1216.04 ± 39.07	533.10 ± 17.47	0.9776
14D32285	6.2 %	✓	1272.28 ± 51.27	549.18 ± 22.58	0.9778
14D32286	6.8 %	✓	653.52 ± 15.10	427.99 ± 10.15	0.9668
14D32288	7.4 %		1254.49 ± 49.47	529.95 ± 21.40	0.9744
14D32289	8.1 %		1223.63 ± 47.32	514.43 ± 20.40	0.9726
14D32290	9.0 %		1078.50 ± 40.22	461.72 ± 17.67	0.9716
14D32292	9.9 %		987.07 ± 36.44	451.43 ± 17.14	0.9696
14D32293	10.9 %		832.86 ± 30.84	404.10 ± 15.48	0.9635
14D32294	12.1 %		656.55 ± 20.58	373.19 ± 12.16	0.9572
14D32296	13.5 %		541.11 ± 14.66	343.78 ± 9.67	0.9569
14D32297	15.5 %		459.75 ± 9.67	339.95 ± 7.35	0.9640
14D32298	17.6 %		260.23 ± 4.05	325.24 ± 5.13	0.9672
14D32300	19.8 %		252.31 ± 4.77	328.80 ± 6.31	0.9721
14D32301	22.1 %		229.53 ± 4.69	328.39 ± 6.77	0.9798
14D32302	24.5 %		238.32 ± 6.72	330.67 ± 9.46	0.9724

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**307.78 ± 5.69 ± 1.85%**	0.18700 ± 0.00246 ± 1.32%	**585.2 ± 7.9 ± 1.34%**	0.90 58%
			Full External Error ± 15.4	
			Analytical Error ± 7.7	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.000001737866
	Error Magnification	1.0000	Number of Iterations	25
	Number of Data Points	19	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D32260	1.8 %		0.6343025 ± 0.0010200	0.00282620 ± 0.00002116	0.0313
14D32261	1.9 %		2.2544475 ± 0.0058718	0.00183772 ± 0.00002796	0.1151
14D32262	2.0 %	✓	3.3427792 ± 0.0126930	0.00123763 ± 0.00003520	0.1128
14D32264	2.1 %	✓	3.8055160 ± 0.0186151	0.00097717 ± 0.00004359	0.0990
14D32265	2.2 %	✓	3.8938709 ± 0.0205896	0.00086939 ± 0.00004403	0.0957
14D32266	2.3 %	✓	3.9692294 ± 0.0242983	0.00083156 ± 0.00004938	0.0965
14D32268	2.4 %	✓	3.9316241 ± 0.0258611	0.00083289 ± 0.00005506	0.0939
14D32269	2.5 %	✓	3.8462869 ± 0.0285279	0.00093613 ± 0.00006176	0.1072
14D32270	2.6 %	✓	3.7264041 ± 0.0301223	0.00092742 ± 0.00006221	0.1158
14D32272	2.8 %	✓	3.6229750 ± 0.0284873	0.00102814 ± 0.00006143	0.1257
14D32273	3.0 %	✓	3.3787748 ± 0.0265301	0.00121794 ± 0.00007039	0.1298
14D32274	3.2 %	✓	3.2444399 ± 0.0241813	0.00126998 ± 0.00006300	0.1426
14D32276	3.5 %	✓	2.9996044 ± 0.0206436	0.00141297 ± 0.00005992	0.1527
14D32277	3.8 %	✓	2.7688589 ± 0.0178974	0.00151470 ± 0.00005809	0.1573
14D32278	4.1 %	✓	2.5453401 ± 0.0166012	0.00171023 ± 0.00005723	0.1821
14D32280	4.4 %	✓	2.3536191 ± 0.0240970	0.00175697 ± 0.00008824	0.1953
14D32281	4.7 %	✓	2.1671233 ± 0.0176272	0.00194746 ± 0.00006913	0.2161
14D32282	5.2 %	✓	2.2920726 ± 0.0139920	0.00185460 ± 0.00005303	0.1970
14D32284	5.7 %	✓	2.2810919 ± 0.0157290	0.00187583 ± 0.00006147	0.1965
14D32285	6.2 %	✓	2.3166717 ± 0.0199734	0.00182089 ± 0.00007488	0.1994
14D32286	6.8 %	✓	1.5269454 ± 0.0092583	0.00233648 ± 0.00005543	0.2298
14D32288	7.4 %		2.3672036 ± 0.0214889	0.00188699 ± 0.00007619	0.2148
14D32289	8.1 %		2.3785890 ± 0.0219362	0.00194389 ± 0.00007707	0.2212
14D32290	9.0 %		2.3358162 ± 0.0211515	0.00216579 ± 0.00008289	0.2256
14D32292	9.9 %		2.1865383 ± 0.0203024	0.00221518 ± 0.00008409	0.2329
14D32293	10.9 %		2.0610311 ± 0.0211215	0.00247465 ± 0.00009478	0.2556
14D32294	12.1 %		1.7592838 ± 0.0165866	0.00267958 ± 0.00008729	0.2727
14D32296	13.5 %		1.5739886 ± 0.0128551	0.00290880 ± 0.00008181	0.2687
14D32297	15.5 %		1.3523981 ± 0.0077778	0.00294158 ± 0.00006359	0.2325
14D32298	17.6 %		0.8001177 ± 0.0032155	0.00307461 ± 0.00004853	0.1859
14D32300	19.8 %		0.7673688 ± 0.0034604	0.00304140 ± 0.00005834	0.1750
14D32301	22.1 %		0.6989682 ± 0.0028836	0.00304519 ± 0.00006276	0.1449
14D32302	24.5 %		0.7207376 ± 0.0048177	0.00302419 ± 0.00008654	0.1817

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	**307.70 ± 5.70**	0.18719 ± 0.00246	**585.8 ± 7.8**	0.91
	± 1.85%	± 1.31%	**± 1.34%**	56%
			Full External Error ± 15.4	
			Analytical Error ± 7.7	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.0040658655
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	19	Calculated Line	Weighted York-2
	Spreading Factor	45.7%		

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
14D32260	1.8 %		1.1453050	0.37	0.0000000	0.00	0.0231083	0.58	0.0054368	0.94	87.5313	0.58	0.2140575	0.37	0.0000000	0.00	2.925207	0.07	0.0012167	0.58	30.86151	1.32	257.0481	0.07	0.0589086	0.58	66.80764	1.90	338.4376	0.37	0.0000000	0.00	0.2596186	0.07
14D32261	1.9 %		0.2046142	0.75	0.0000000	0.00	0.0226327	0.58	0.0052428	0.94	85.7300	0.58	0.0382424	0.75	0.0000000	0.00	2.856532	0.07	0.0011916	0.58	29.75780	1.32	251.0133	0.07	0.0576963	0.58	50.87792	0.92	60.4635	0.75	0.0000000	0.00	0.2535235	0.07
14D32262	2.0 %	✓	0.0813865	1.41	0.0000000	0.00	0.0199742	0.63	0.0045484	0.95	75.6597	0.63	0.0152111	1.41	0.0000000	0.00	2.501559	0.07	0.0010517	0.63	25.81475	1.32	219.8207	0.07	0.0509190	0.63	41.71013	0.86	24.0497	1.41	0.0000000	0.00	0.2220189	0.07
14D32264	2.1 %	✓	0.0483219	2.22	0.0000000	0.00	0.0171745	0.71	0.0038921	0.95	65.0550	0.71	0.0090314	2.22	0.0000000	0.00	2.141567	0.08	0.0009043	0.71	22.08652	1.32	188.1869	0.08	0.0437820	0.71	35.17198	0.96	14.2791	2.22	0.0000000	0.00	0.1900688	0.08
14D32265	2.2 %	✓	0.0391782	2.52	0.0000000	0.00	0.0164979	0.76	0.0036351	0.96	62.4921	0.76	0.0073224	2.52	0.0000000	0.00	1.996891	0.08	0.0008686	0.76	20.62631	1.33	175.4737	0.08	0.0420572	0.76	33.48692	0.94	11.5772	2.52	0.0000000	0.00	0.1772285	0.08
14D32266	2.3 %	✓	0.0322295	2.95	0.0000000	0.00	0.0144918	0.82	0.0031728	0.96	54.8931	0.82	0.0060237	2.95	0.0000000	0.00	1.750695	0.08	0.0007630	0.82	18.00157	1.33	153.8397	0.08	0.0369431	0.82	29.23424	1.04	9.5238	2.95	0.0000000	0.00	0.1553781	0.08
14D32268	2.4 %	✓	0.0296237	3.29	0.0000000	0.00	0.0135773	0.84	0.0028719	0.97	51.4290	0.84	0.0055367	3.29	0.0000000	0.00	1.591353	0.08	0.0007149	0.84	16.29177	1.34	139.8377	0.08	0.0346117	0.84	26.81361	1.15	8.7538	3.29	0.0000000	0.00	0.1412361	0.08
14D32269	2.5 %	✓	0.0297695	3.28	0.0000000	0.00	0.0120181	0.93	0.0025273	0.98	45.5233	0.93	0.0055639	3.28	0.0000000	0.00	1.391938	0.08	0.0006328	0.93	14.33571	1.34	122.3144	0.08	0.0306372	0.93	23.00375	1.35	8.7969	3.28	0.0000000	0.00	0.1235375	0.08
14D32270	2.6 %	✓	0.0267997	3.33	0.0000000	0.00	0.0108871	1.03	0.0022269	0.99	41.2391	1.03	0.0050089	3.33	0.0000000	0.00	1.225427	0.08	0.0005732	1.03	12.63057	1.35	107.6825	0.08	0.0277539	1.03	20.97784	1.37	7.9193	3.33	0.0000000	0.00	0.1087593	0.08
14D32272	2.8 %	✓	0.0303639	2.96	0.0000000	0.00	0.0109307	1.05	0.0021997	0.99	41.4042	1.05	0.0056750	2.96	0.0000000	0.00	1.217624	0.08	0.0005755	1.05	12.47453	1.35	106.9969	0.08	0.0278650	1.05	20.56034	1.41	8.9725	2.96	0.0000000	0.00	0.1080668	0.08
14D32273	3.0 %	✓	0.0360447	2.86	0.0000000	0.00	0.0102336	1.08	0.0020283	1.00	38.7637	1.08	0.0067368	2.86	0.0000000	0.00	1.137933	0.08	0.0005388	1.08	11.50147	1.36	99.9941	0.08	0.0260880	1.08	18.94356	1.72	10.6512	2.86	0.0000000	0.00	0.1009940	0.08
14D32274	3.2 %	✓	0.0398458	2.45	0.0000000	0.00	0.0107942	1.03	0.0020458	1.00	40.8870	1.03	0.0074472	2.45	0.0000000	0.00	1.158426	0.08	0.0005683	1.03	11.60007	1.36	101.7949	0.08	0.0275169	1.03	19.60076	1.58	11.7744	2.45	0.0000000	0.00	0.1028129	0.08
14D32276	3.5 %	✓	0.0483286	2.09	0.0000000	0.00	0.0109818	1.00	0.0020277	1.00	41.5979	1.00	0.0090326	2.09	0.0000000	0.00	1.167554	0.08	0.0005782	1.00	11.49574	1.36	102.5970	0.08	0.0279954	1.00	19.92240	1.61	14.2811	2.09	0.0000000	0.00	0.1036230	0.08
14D32277	3.8 %	✓	0.0551027	1.89	0.0000000	0.00	0.0110246	1.00	0.0019384	1.02	41.7598	1.00	0.0102987	1.89	0.0000000	0.00	1.146276	0.08	0.0005805	1.00	10.98830	1.37	100.7272	0.08	0.0281043	1.00	20.09574	1.63	16.2829	1.89	0.0000000	0.00	0.1017345	0.08
14D32278	4.1 %	✓	0.0618331	1.64	0.0000000	0.00	0.0099271	1.13	0.0016930	1.03	37.6028	1.13	0.0115566	1.64	0.0000000	0.00	1.047257	0.08	0.0005227	1.13	9.59638	1.38	92.0261	0.08	0.0253067	1.13	17.88306	1.80	18.2717	1.64	0.0000000	0.00	0.0929464	0.08
14D32280	4.4 %	✓	0.0397323	2.46	0.0000000	0.00	0.0057298	1.87	0.0009741	1.21	21.7037	1.87	0.0074260	2.46	0.0000000	0.00	0.605702	0.10	0.0003017	1.87	5.52085	1.52	53.2251	0.10	0.0146066	1.87	10.87326	2.85	11.7409	2.46	0.0000000	0.00	0.0537574	0.10
14D32281	4.7 %	✓	0.0562485	1.73	0.0000000	0.00	0.0065060	1.82	0.0010818	1.20	24.6438	1.82	0.0105128	1.73	0.0000000	0.00	0.712309	0.10	0.0003425	1.82	6.13041	1.51	62.5931	0.10	0.0165853	1.82	12.26158	2.52	16.6214	1.73	0.0000000	0.00	0.0632190	0.10
14D32282	5.2 %	✓	0.0722440	1.40	0.0000000	0.00	0.0084922	1.43	0.0013894	1.10	32.1674	1.43	0.0135024	1.40	0.0000000	0.00	1.016064	0.08	0.0004471	1.43	7.87279	1.43	89.2850	0.08	0.0216487	1.43	17.60576	1.82	21.3481	1.40	0.0000000	0.00	0.0901779	0.08
14D32284	5.7 %	✓	0.0644706	1.60	0.0000000	0.00	0.0071999	1.62	0.0011417	1.15	27.2724	1.62	0.0120496	1.60	0.0000000	0.00	0.892181	0.09	0.0003791	1.62	6.46835	1.47	78.3991	0.09	0.0183543	1.62	15.31802	2.13	19.0511	1.60	0.0000000	0.00	0.0791830	0.09
14D32285	6.2 %	✓	0.0492652	2.01	0.0000000	0.00	0.0055790	2.14	0.0008862	1.29	21.1328	2.14	0.0092077	2.01	0.0000000	0.00	0.713287	0.10	0.0002937	2.14	5.02027	1.58	62.6790	0.10	0.0142223	2.14	12.49773	2.51	14.5579	2.01	0.0000000	0.00	0.0633058	0.10
14D32286	6.8 %	✓	0.0923230	1.15	0.0000000	0.00	0.0051648	2.31	0.0007977	1.37	19.5637	2.31	0.0172552	1.15	0.0000000	0.00	0.686616	0.10	0.0002719	2.31	4.51893	1.65	60.3353	0.10	0.0131664	2.31	12.23228	2.73	27.2814	1.15	0.0000000	0.00	0.0609387	0.10
14D32288	7.4 %		0.0488910	1.97	0.0000000	0.00	0.0053305	2.13	0.0007902	1.36	20.1915	2.13	0.0091377	1.97	0.0000000	0.00	0.697971	0.10	0.0002807	2.13	4.47550	1.64	61.3331	0.10	0.0135889	2.13	11.46225	2.68	14.4473	1.97	0.0000000	0.00	0.0619465	0.10
14D32289	8.1 %		0.0491383	1.93	0.0000000	0.00	0.0054099	2.04	0.0007730	1.36	20.4919	2.04	0.0091839	1.93	0.0000000	0.00	0.684244	0.10	0.0002848	2.04	4.37787	1.64	60.1269	0.10	0.0137911	2.04	10.75801	2.81	14.5204	1.93	0.0000000	0.00	0.0607281	0.10
14D32290	9.0 %		0.0562746	1.86	0.0000000	0.00	0.0059806	1.94	0.0008208	1.35	22.6536	1.94	0.0105177	1.86	0.0000000	0.00	0.690679	0.10	0.0003149	1.94	4.64804	1.63	60.6923	0.10	0.0152459	1.94	9.35422	3.53	16.6291	1.86	0.0000000	0.00	0.0612993	0.10
14D32292	9.9 %		0.0555731	1.84	0.0000000	0.00	0.0064332	1.83	0.0008066	1.36	24.3682	1.83	0.0103866	1.84	0.0000000	0.00	0.624245	0.10	0.0003387	1.83	4.56693	1.64	54.8546	0.10	0.0163998	1.83	8.66558	3.73	16.4218	1.84	0.0000000	0.00	0.0554031	0.10
14D32293	10.9 %		0.0565147	1.85	0.0000000	0.00	0.0073826	1.60	0.0007535	1.41	27.9642	1.60	0.0105626	1.85	0.0000000	0.00	0.535641	0.11	0.0003887	1.60	4.26596	1.68	47.0686	0.11	0.0188199	1.60	6.13734	5.36	16.7001	1.85	0.0000000	0.00	0.0475393	0.11
14D32294	12.1 %		0.0672854	1.56	0.0000000	0.00	0.0101357	1.16	0.0007887	1.39	38.3926	1.16	0.0125756	1.56	0.0000000	0.00	0.502728	0.11	0.0005337	1.16	4.46495	1.66	44.1764	0.11	0.0258382	1.16	5.22764	6.34	19.8828	1.56	0.0000000	0.00	0.0446182	0.11
14D32296	13.5 %		0.0847262	1.35	0.0000000	0.00	0.0159609	0.80	0.0009020	1.28	60.4579	0.80	0.0158353	1.35	0.0000000	0.00	0.521732	0.11	0.0008404	0.80	5.10535	1.57	45.8464	0.11	0.0406882	0.80	4.09093	8.72	25.0366	1.35	0.0000000	0.00	0.0463048	0.11
14D32297	15.5 %		0.1245603	1.05	0.0000000	0.00	0.0322839	0.52	0.0010657	1.18	122.2874	0.52	0.0232803	1.05	0.0000000	0.00	0.651696	0.10	0.0016998	0.52	6.03148	1.50	57.2668	0.10	0.0822994	0.52	5.53706	7.26	36.8076	1.05	0.0000000	0.00	0.0578395	0.10
14D32298	17.6 %		0.2071701	0.77	0.0000000	0.00	0.0564027	0.43	0.0007288	1.46	213.6466	0.43	0.0387201	0.77	0.0000000	0.00	0.613526	0.10	0.0029697	0.43	4.12478	1.72	53.9126	0.10	0.1437842	0.43	6.16208	7.88	61.2188	0.77	0.0000000	0.00	0.0544517	0.10
14D32300	19.8 %		0.1804351	0.94	0.0000000	0.00	0.0803584	0.40	0.0005369	1.68	304.3880	0.40	0.0337233	0.94	0.0000000	0.00	0.518076	0.11	0.0042310	0.40	3.03817	1.92	45.5251	0.11	0.2048531	0.40	6.00772	8.55	53.3186	0.94	0.0000000	0.00	0.0459804	0.11
14D32301	22.1 %		0.1986110	1.02	0.0000000	0.00	0.1225271	0.39	0.0005299	1.80	464.1178	0.39	0.0371204	1.02	0.0000000	0.00	0.518787	0.11	0.0064512	0.39	2.99822	2.02	45.5876	0.11	0.3123513	0.39	6.53170	9.29	58.6895	1.02	0.0000000	0.00	0.0460435	0.11
14D32302	24.5 %		0.1169952	1.40	0.0000000	0.00	0.1414894	0.39	0.0002980	2.88	535.9449	0.39	0.0218664	1.40	0.0000000	0.00	0.317306	0.16	0.0074496	0.39	1.68573	3.03	27.8828	0.16	0.3606909	0.39	4.11442	12.09	34.5721	1.40	0.0000000	0.00	0.0281616	0.16
		Σ	3.5292056	0.22	0.0000000	0.00	0.7426205	0.14	0.0605519	0.22	2812.9565	0.14	0.6596085	0.22	0.0000000	0.00	36.759028	0.02	0.0391001	0.14	343.37757	0.29	3230.1431	0.02	1.8931197	0.14	609.92746	0.39	1042.8803	0.22	0.0000000	0.00	3.2624445	0.02
		Σ							4.3323780	0.18	2812.9565	0.14									380.83530	0.27			3232.0362	0.02							1656.0702	0.20

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D32260	1.8 %		1.577183	0.001268	0.340447	0.001998	0.004566	0.000017	108.480	8.543427	1.00076661	1.946E-11
14D32261	1.9 %		0.444475	0.000578	0.341457	0.001981	0.000926	0.000006	108.488	8.544833	1.00076667	5.357E-12
14D32262	2.0 %	✓	0.300093	0.000568	0.344109	0.002179	0.000482	0.000005	108.497	8.546240	1.00076673	3.167E-12
14D32264	2.1 %	✓	0.263725	0.000643	0.345613	0.002475	0.000369	0.000006	108.514	8.549171	1.00076685	2.383E-12
14D32265	2.2 %	✓	0.257762	0.000679	0.356048	0.002719	0.000338	0.000006	108.523	8.550696	1.00076691	2.172E-12
14D32266	2.3 %	✓	0.252887	0.000771	0.356735	0.002933	0.000324	0.000006	108.531	8.552103	1.00076697	1.868E-12
14D32268	2.4 %	✓	0.255295	0.000836	0.367685	0.003095	0.000329	0.000007	108.549	8.555036	1.00076710	1.714E-12
14D32269	2.5 %	✓	0.260936	0.000964	0.372089	0.003466	0.000362	0.000008	108.557	8.556445	1.00076715	1.532E-12
14D32270	2.6 %	✓	0.269296	0.001084	0.382871	0.003952	0.000371	0.000008	108.566	8.557970	1.00076722	1.392E-12
14D32272	2.8 %	✓	0.276954	0.001085	0.386866	0.004086	0.000406	0.000008	108.583	8.560906	1.00076734	1.423E-12
14D32273	3.0 %	✓	0.296898	0.001162	0.387559	0.004189	0.000483	0.000010	108.592	8.562315	1.00076740	1.425E-12
14D32274	3.2 %	✓	0.309146	0.001148	0.401552	0.004161	0.000517	0.000010	108.601	8.563842	1.00076746	1.511E-12
14D32276	3.5 %	✓	0.334296	0.001147	0.405339	0.004063	0.000598	0.000010	108.617	8.566662	1.00076758	1.647E-12
14D32277	3.8 %	✓	0.362069	0.001167	0.414467	0.004177	0.000676	0.000010	108.626	8.568189	1.00076764	1.751E-12
14D32278	4.1 %	✓	0.393777	0.001281	0.408498	0.004613	0.000798	0.000011	108.635	8.569600	1.00076770	1.740E-12
14D32280	4.4 %	✓	0.425771	0.002175	0.407659	0.007651	0.000872	0.000018	108.652	8.572539	1.00076783	1.088E-12
14D32281	4.7 %	✓	0.462329	0.001876	0.393611	0.007176	0.001020	0.000015	108.661	8.574068	1.00076789	1.389E-12
14D32282	5.2 %	✓	0.437190	0.001332	0.360191	0.005166	0.000920	0.000011	108.669	8.575479	1.00076795	1.874E-12
14D32284	5.7 %	✓	0.439294	0.001511	0.347785	0.005650	0.000929	0.000013	108.687	8.578420	1.00076807	1.654E-12
14D32285	6.2 %	✓	0.432566	0.001861	0.337082	0.007227	0.000889	0.000016	108.695	8.579832	1.00076813	1.302E-12
14D32286	6.8 %	✓	0.655769	0.001985	0.324179	0.007488	0.001629	0.000018	108.704	8.581362	1.00076819	1.900E-12
14D32288	7.4 %		0.423356	0.001917	0.329137	0.007018	0.000897	0.000016	108.722	8.584306	1.00076832	1.247E-12
14D32289	8.1 %		0.421331	0.001938	0.340733	0.006971	0.000920	0.000016	108.730	8.585719	1.00076837	1.216E-12
14D32290	9.0 %		0.429018	0.001938	0.373160	0.007263	0.001039	0.000017	108.738	8.587132	1.00076843	1.250E-12
14D32292	9.9 %		0.458217	0.002123	0.444100	0.008138	0.001145	0.000019	108.756	8.590077	1.00076856	1.207E-12
14D32293	10.9 %		0.486010	0.002485	0.593878	0.009530	0.001373	0.000022	108.765	8.591609	1.00076862	1.098E-12
14D32294	12.1 %		0.569090	0.002678	0.868567	0.010138	0.001769	0.000024	108.773	8.593023	1.00076868	1.207E-12
14D32296	13.5 %		0.635774	0.002592	1.317537	0.010673	0.002214	0.000025	108.790	8.595971	1.00076880	1.400E-12
14D32297	15.5 %		0.739375	0.002123	2.132333	0.011208	0.002753	0.000023	108.799	8.597386	1.00076886	2.035E-12
14D32298	17.6 %		1.247499	0.002503	3.952292	0.017459	0.004889	0.000030	108.808	8.598919	1.00076892	3.237E-12
14D32300	19.8 %		1.298322	0.002922	6.656202	0.027960	0.005715	0.000037	108.825	8.601868	1.00076905	2.850E-12
14D32301	22.1 %		1.421948	0.002926	10.111514	0.040862	0.007008	0.000043	108.833	8.603284	1.00076911	3.133E-12
14D32302	24.5 %		1.370746	0.004565	18.975861	0.078945	0.009163	0.000057	108.842	8.604818	1.00076917	1.858E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D32260	1.8 %	0.0228762 ± 0.0006078	0.0117181 ± 0.0339386	0.0604909 ± 0.0319700	0.0052444 ± 0.0256611	6.8189592 ± 0.1101362
14D32261	1.9 %	0.0228991 ± 0.0006078	0.0115936 ± 0.0339386	0.0628855 ± 0.0319700	0.0038156 ± 0.0256611	6.7986237 ± 0.1101362
14D32262	2.0 %	0.0229165 ± 0.0006078	0.0117116 ± 0.0339386	0.0651726 ± 0.0319700	0.0025936 ± 0.0256611	6.7794212 ± 0.1101362
14D32264	2.1 %	0.0229367 ± 0.0006078	0.0125824 ± 0.0339386	0.0695922 ± 0.0319700	0.0006550 ± 0.0256611	6.7428610 ± 0.1101362
14D32265	2.2 %	0.0229396 ± 0.0006078	0.0132903 ± 0.0339386	0.0717061 ± 0.0319700	0.0000590 ± 0.0256611	6.7255886 ± 0.1101362
14D32266	2.3 %	0.0229384 ± 0.0006078	0.0140536 ± 0.0339386	0.0735455 ± 0.0319700	0.0005570 ± 0.0256611	6.7106422 ± 0.1101362
14D32268	2.4 %	0.0229252 ± 0.0006078	0.0158560 ± 0.0339386	0.0770323 ± 0.0319700	0.0011493 ± 0.0256611	6.6824094 ± 0.1101362
14D32269	2.5 %	0.0229146 ± 0.0006078	0.0167675 ± 0.0339386	0.0785404 ± 0.0319700	0.0012430 ± 0.0256611	6.6701763 ± 0.1101362
14D32270	2.6 %	0.0229004 ± 0.0006078	0.0177508 ± 0.0339386	0.0800528 ± 0.0319700	0.0012217 ± 0.0256611	6.6578353 ± 0.1101362
14D32272	2.8 %	0.0228671 ± 0.0006078	0.0195296 ± 0.0339386	0.0826069 ± 0.0319700	0.0008669 ± 0.0256611	6.6366211 ± 0.1101362
14D32273	3.0 %	0.0228489 ± 0.0006078	0.0202889 ± 0.0339386	0.0836672 ± 0.0319700	0.0005701 ± 0.0256611	6.6275512 ± 0.1101362
14D32274	3.2 %	0.0228281 ± 0.0006078	0.0210147 ± 0.0339386	0.0846947 ± 0.0319700	0.0001701 ± 0.0256611	6.6184960 ± 0.1101362
14D32276	3.5 %	0.0227878 ± 0.0006078	0.0220268 ± 0.0339386	0.0862601 ± 0.0319700	0.0007480 ± 0.0256611	6.6037769 ± 0.1101362
14D32277	3.8 %	0.0227655 ± 0.0006078	0.0223672 ± 0.0339386	0.0869286 ± 0.0319700	0.0013243 ± 0.0256611	6.5968312 ± 0.1101362
14D32278	4.1 %	0.0227451 ± 0.0006078	0.0225364 ± 0.0339386	0.0874337 ± 0.0319700	0.0018951 ± 0.0256611	6.5910294 ± 0.1101362
14D32280	4.4 %	0.0227039 ± 0.0006078	0.0224038 ± 0.0339386	0.0881409 ± 0.0319700	0.0031739 ± 0.0256611	6.5807353 ± 0.1101362
14D32281	4.7 %	0.0226837 ± 0.0006078	0.0220608 ± 0.0339386	0.0883244 ± 0.0319700	0.0038719 ± 0.0256611	6.5762980 ± 0.1101362
14D32282	5.2 %	0.0226661 ± 0.0006078	0.0215716 ± 0.0339386	0.0883818 ± 0.0319700	0.0045279 ± 0.0256611	6.5727356 ± 0.1101362
14D32284	5.7 %	0.0226334 ± 0.0006078	0.0200128 ± 0.0339386	0.0881563 ± 0.0319700	0.0059074 ± 0.0256611	6.5668998 ± 0.1101362
14D32285	6.2 %	0.0226200 ± 0.0006078	0.0190062 ± 0.0339386	0.0878823 ± 0.0319700	0.0065660 ± 0.0256611	6.5648361 ± 0.1101362
14D32286	6.8 %	0.0226075 ± 0.0006078	0.0177306 ± 0.0339386	0.0874643 ± 0.0319700	0.0072704 ± 0.0256611	6.5631255 ± 0.1101362
14D32288	7.4 %	0.0225895 ± 0.0006078	0.0147590 ± 0.0339386	0.0863060 ± 0.0319700	0.0085818 ± 0.0256611	6.5613385 ± 0.1101362
14D32289	8.1 %	0.0225840 ± 0.0006078	0.0131054 ± 0.0339386	0.0855844 ± 0.0319700	0.0091845 ± 0.0256611	6.5611721 ± 0.1101362
14D32290	9.0 %	0.0225807 ± 0.0006078	0.0113169 ± 0.0339386	0.0847553 ± 0.0319700	0.0097664 ± 0.0256611	6.5614498 ± 0.1101362
14D32292	9.9 %	0.0225812 ± 0.0006078	0.0072083 ± 0.0339386	0.0826829 ± 0.0319700	0.0109030 ± 0.0256611	6.5634509 ± 0.1101362
14D32293	10.9 %	0.0225856 ± 0.0006078	0.0049003 ± 0.0339386	0.0814209 ± 0.0319700	0.0114501 ± 0.0256611	6.5652539 ± 0.1101362
14D32294	12.1 %	0.0225922 ± 0.0006078	0.0026885 ± 0.0339386	0.0801441 ± 0.0319700	0.0119270 ± 0.0256611	6.5673854 ± 0.1101362
14D32296	13.5 %	0.0226140 ± 0.0006078	0.0020882 ± 0.0339386	0.0771389 ± 0.0319700	0.0128320 ± 0.0256611	6.5732909 ± 0.1101362
14D32297	15.5 %	0.0226284 ± 0.0006078	0.0044193 ± 0.0339386	0.0755308 ± 0.0319700	0.0132241 ± 0.0256611	6.5768440 ± 0.1101362
14D32298	17.6 %	0.0226469 ± 0.0006078	0.0069373 ± 0.0339386	0.0736673 ± 0.0319700	0.0136189 ± 0.0256611	6.5812334 ± 0.1101362
14D32300	19.8 %	0.0226907 ± 0.0006078	0.0116436 ± 0.0339386	0.0697294 ± 0.0319700	0.0142959 ± 0.0256611	6.5913069 ± 0.1101362
14D32301	22.1 %	0.0227156 ± 0.0006078	0.0137810 ± 0.0339386	0.0676735 ± 0.0319700	0.0145861 ± 0.0256611	6.5969340 ± 0.1101362
14D32302	24.5 %	0.0227452 ± 0.0006078	0.0159617 ± 0.0339386	0.0653251 ± 0.0319700	0.0148785 ± 0.0256611	6.6036339 ± 0.1101362

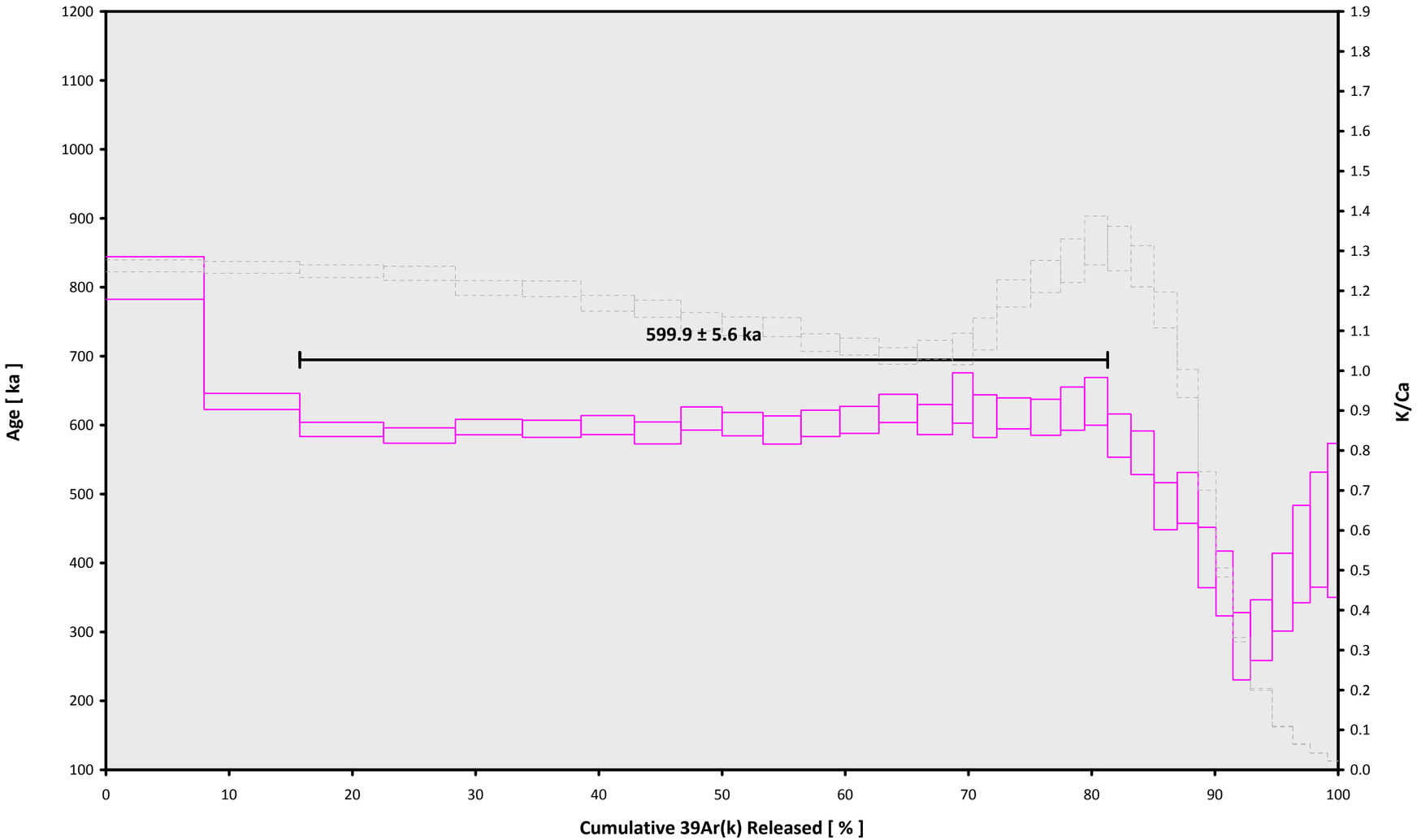
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D32260	1.8 %	1.1420693 ± 0.0023297	0.8755	EXP 150 of 150	10.029703 ± 0.028879	0.7915	EXP 150 of 150	33.4894836 ± 0.0303844	0.9773	EXP 150 of 150	255.210635 ± 0.040971	0.9994	EXP 150 of 150	413.433774 ± 0.058641	0.9961	EXP 150 of 150
14D32261	1.9 %	0.2445635 ± 0.0011612	0.0005	EXP 150 of 150	9.821562 ± 0.026054	0.8321	EXP 150 of 150	32.1567838 ± 0.0274899	0.9806	EXP 150 of 150	249.217877 ± 0.042163	0.9994	EXP 150 of 150	118.699001 ± 0.045648	0.9702	EXP 150 of 150
14D32262	2.0 %	0.1238942 ± 0.0008522	0.2939	EXP 150 of 150	8.664965 ± 0.027487	0.7502	EXP 150 of 150	27.8907554 ± 0.0293433	0.9680	EXP 150 of 150	218.247945 ± 0.037157	0.9993	EXP 150 of 150	72.941896 ± 0.033338	0.9930	EXP 150 of 150
14D32264	2.1 %	0.0890944 ± 0.0007891	0.3771	EXP 150 of 150	7.445381 ± 0.029649	0.6640	EXP 150 of 150	23.8462158 ± 0.0289449	0.9572	EXP 150 of 150	186.839151 ± 0.039161	0.9990	EXP 150 of 150	56.519904 ± 0.033976	0.9928	EXP 150 of 150
14D32265	2.2 %	0.0794892 ± 0.0006882	0.5004	EXP 150 of 150	7.149586 ± 0.032897	0.6008	EXP 150 of 150	22.2588323 ± 0.0310907	0.9462	EXP 150 of 150	174.217516 ± 0.035303	0.9991	EXP 150 of 150	52.090731 ± 0.030987	0.9941	EXP 150 of 150
14D32266	2.3 %	0.0705093 ± 0.0006492	0.5451	EXP 150 of 150	6.276785 ± 0.030637	0.5650	EXP 150 of 150	19.4228290 ± 0.0283019	0.9410	EXP 150 of 150	152.737889 ± 0.034676	0.9988	EXP 150 of 150	45.730599 ± 0.033471	0.9933	EXP 149 of 150
14D32268	2.4 %	0.0668529 ± 0.0006819	0.5033	EXP 150 of 150	5.875971 ± 0.028184	0.5946	EXP 150 of 150	17.5745224 ± 0.0275357	0.9338	EXP 150 of 150	138.836613 ± 0.033025	0.9987	EXP 150 of 150	42.488809 ± 0.029261	0.9943	EXP 150 of 150
14D32269	2.5 %	0.0651661 ± 0.0006853	0.3708	EXP 150 of 150	5.197628 ± 0.028349	0.5011	EXP 150 of 150	15.4461400 ± 0.0259874	0.9233	EXP 150 of 150	121.438821 ± 0.032695	0.9983	EXP 150 of 150	38.681734 ± 0.034788	0.9924	EXP 150 of 150
14D32270	2.6 %	0.0609557 ± 0.0005749	0.5760	EXP 150 of 150	4.705082 ± 0.029892	0.4507	EXP 150 of 150	13.5972528 ± 0.0267939	0.9065	EXP 150 of 150	106.912315 ± 0.028000	0.9984	EXP 150 of 150	35.743148 ± 0.032346	0.9934	EXP 150 of 150
14D32272	2.8 %	0.0643362 ± 0.0005822	0.4584	EXP 150 of 150	4.720582 ± 0.031932	0.4630	EXP 150 of 150	13.4336950 ± 0.0238516	0.9181	EXP 150 of 150	106.232207 ± 0.036446	0.9973	EXP 150 of 150	36.358692 ± 0.028595	0.9943	EXP 150 of 150
14D32273	3.0 %	0.0689063 ± 0.0007549	0.2051	EXP 150 of 150	4.416800 ± 0.029240	0.3170	EXP 150 of 150	12.3948843 ± 0.0268682	0.8851	EXP 150 of 150	99.279740 ± 0.032192	0.9976	EXP 150 of 150	36.404598 ± 0.028942	0.9940	EXP 150 of 150
14D32274	3.2 %	0.0730607 ± 0.0006828	0.3162	EXP 150 of 150	4.658276 ± 0.029536	0.4102	EXP 150 of 150	12.5120986 ± 0.0260441	0.8879	EXP 150 of 150	101.069068 ± 0.035237	0.9972	EXP 150 of 150	38.182654 ± 0.030337	0.9932	EXP 150 of 150
14D32276	3.5 %	0.0812700 ± 0.0007216	0.2866	EXP 150 of 150	4.737059 ± 0.028031	0.4706	EXP 150 of 150	12.4181728 ± 0.0274115	0.8811	EXP 150 of 150	101.866612 ± 0.034813	0.9973	EXP 150 of 150	41.004814 ± 0.031286	0.9917	EXP 150 of 150
14D32277	3.8 %	0.0876619 ± 0.0007556	0.2317	EXP 150 of 150	4.754386 ± 0.028738	0.5021	EXP 150 of 150	11.8970617 ± 0.0299326	0.8610	EXP 150 of 150	100.011324 ± 0.033596	0.9974	EXP 150 of 150	43.177015 ± 0.029052	0.9928	EXP 150 of 150
14D32278	4.1 %	0.0927781 ± 0.0007178	0.1046	EXP 150 of 150	4.278004 ± 0.030508	0.3935	EXP 150 of 150	10.4266235 ± 0.0277034	0.8350	EXP 150 of 150	91.372365 ± 0.029601	0.9976	EXP 150 of 150	42.937925 ± 0.030449	0.9921	EXP 150 of 150
14D32280	4.4 %	0.0669779 ± 0.0006870	0.3308	EXP 150 of 150	2.458942 ± 0.030370	0.2048	EXP 150 of 150	5.9645892 ± 0.0265640	0.6281	EXP 150 of 150	52.849052 ± 0.031257	0.9918	EXP 150 of 150	29.310693 ± 0.027896	0.9942	EXP 150 of 150
14D32281	4.7 %	0.0835476 ± 0.0006686	0.1516	EXP 149 of 150	2.794927 ± 0.036953	0.1711	EXP 150 of 150	6.6741423 ± 0.0321002	0.6518	EXP 150 of 150	62.150363 ± 0.031320	0.9940	EXP 150 of 150	35.601764 ± 0.030895	0.9918	EXP 150 of 150
14D32282	5.2 %	0.1009676 ± 0.0007023	0.0954	EXP 149 of 150	3.654821 ± 0.037765	0.2532	EXP 150 of 150	8.6960734 ± 0.0322411	0.7314	EXP 150 of 150	88.650575 ± 0.030802	0.9972	EXP 150 of 150	45.723630 ± 0.031369	0.9904	EXP 150 of 150
14D32284	5.7 %	0.0920554 ± 0.0007409	0.1034	EXP 150 of 150	3.095858 ± 0.035557	0.1887	EXP 150 of 150	7.1867920 ± 0.0283123	0.6858	EXP 150 of 150	77.843210 ± 0.031357	0.9962	EXP 150 of 150	41.109462 ± 0.032443	0.9903	EXP 150 of 150
14D32285	6.2 %	0.0757556 ± 0.0006978	0.3497	EXP 149 of 150	2.395015 ± 0.037928	0.1085	EXP 149 of 150	5.5788237 ± 0.0302099	0.5435	EXP 150 of 150	62.235974 ± 0.029523	0.9948	EXP 150 of 150	33.757982 ± 0.029605	0.9931	EXP 150 of 150
14D32286	6.8 %	0.1163166 ± 0.0007539	0.0236	EXP 150 of 150	2.216660 ± 0.037897	0.0535	EXP 150 of 150	5.0661721 ± 0.0313371	0.4351	EXP 150 of 150	59.909295 ± 0.028557	0.9946	EXP 150 of 150	46.246112 ± 0.029032	0.9903	EXP 150 of 150
14D32288	7.4 %	0.0750397 ± 0.0006618	0.2614	EXP 150 of 150	2.290535 ± 0.034407	0.1208	EXP 150 of 150	5.0276867 ± 0.0298966	0.4417	EXP 150 of 150	60.901480 ± 0.029118	0.9946	EXP 150 of 150	32.603908 ± 0.033952	0.9908	EXP 150 of 150
14D32289	8.1 %	0.0753293 ± 0.0006432	0.3544	EXP 150 of 150	2.326106 ± 0.032483	0.2049	EXP 149 of 150	4.9185763 ± 0.0281128	0.4905	EXP 150 of 150	59.704935 ± 0.034866	0.9920	EXP 150 of 150	31.969636 ± 0.029354	0.9936	EXP 150 of 150
14D32290	9.0 %	0.0827197 ± 0.0007649	0.1512	EXP 149 of 150	2.574236 ± 0.035770	0.1170	EXP 150 of 150	5.1936806 ± 0.0309294	0.5298	EXP 150 of 150	60.268238 ± 0.030438	0.9941	EXP 150 of 150	32.677391 ± 0.033746	0.9913	EXP 150 of 150
14D32292	9.9 %	0.0824694 ± 0.0007353	0.2570	EXP 149 of 150	2.773080 ± 0.036410	0.1339	EXP 150 of 150	5.0500675 ± 0.0311606	0.4994	EXP 150 of 150	54.475962 ± 0.029433	0.9932	EXP 150 of 150	31.775092 ± 0.029282	0.9931	EXP 150 of 150
14D32293	10.9 %	0.0842260 ± 0.0007596	0.1165	EXP 150 of 150	3.185108 ± 0.036222	0.2665	EXP 150 of 150	4.6671530 ± 0.0309396	0.3959	EXP 150 of 150	46.750550 ± 0.027721	0.9918	EXP 150 of 150	29.512857 ± 0.032013	0.9924	EXP 150 of 150
14D32294	12.1 %	0.0971603 ± 0.0007587	0.1181	EXP 150 of 150	4.376218 ± 0.034099	0.4568	EXP 149 of 150	4.8344262 ± 0.0318892	0.4503	EXP 150 of 150	43.887185 ± 0.028687	0.9900	EXP 150 of 150	31.791325 ± 0.033800	0.9909	EXP 150 of 150
14D32296	13.5 %	0.1194728 ± 0.0008512	0.0044	EXP 150 of 150	6.895304 ± 0.035078	0.6039	EXP 150 of 150	5.4915892 ± 0.0300095	0.6361	EXP 150 of 150	45.560403 ± 0.029151	0.9904	EXP 150 of 150	35.826961 ± 0.032142	0.9906	EXP 150 of 150
14D32297	15.5 %	0.1731856 ± 0.0009777	0.0526	EXP 150 of 150	13.944936 ± 0.035325	0.8087	EXP 150 of 150	6.5434481 ± 0.0292639	0.5996	EXP 149 of 150	56.938020 ± 0.032224	0.9923	EXP 150 of 150	49.095369 ± 0.029961	0.9893	EXP 150 of 150
14D32298	17.6 %	0.2746421 ± 0.0011598	0.3619	EXP 150 of 150	24.357890 ± 0.036494	0.9318	EXP 150 of 150	4.6427818 ± 0.0324698	0.3997	EXP 150 of 150	53.670078 ± 0.031221	0.9920	EXP 150 of 150	74.201117 ± 0.036461	0.9634	EXP 150 of 150
14D32300	19.8 %	0.2718530 ± 0.0012691	0.3301	EXP 150 of 150	34.693192 ± 0.037254	0.9658	EXP 150 of 150	3.4766870 ± 0.0272304	0.3310	EXP 150 of 150	45.405943 ± 0.030529	0.9890	EXP 150 of 150	66.126075 ± 0.035496	0.9784	EXP 150 of 150
14D32301	22.1 %	0.3294060 ± 0.0015200	0.4084	EXP 150 of 150	52.886020 ± 0.037861	0.9839	EXP 150 of 150	3.4455734 ± 0.0323535	0.2412	EXP 150 of 150	45.574919 ± 0.025991	0.9922	EXP 150 of 150	72.042876 ± 0.032283	0.9838	EXP 150 of 150
14D32302	24.5 %	0.2694783 ± 0.0011291	0.2461	EXP 150 of 150	61.059845 ± 0.035204	0.9898	EXP 150 of 150	1.9400071 ± 0.0322121	0.1517	EXP 150 of 150	28.049420 ± 0.028911	0.9741	EXP 150 of 150	45.424267 ± 0.030717	0.9940	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D32260	1.8 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32261	1.9 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32262	2.0 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32264	2.1 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32265	2.2 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32266	2.3 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32268	2.4 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32269	2.5 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32270	2.6 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32272	2.8 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32273	3.0 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32274	3.2 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32276	3.5 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32277	3.8 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32278	4.1 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32280	4.4 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32281	4.7 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32282	5.2 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32284	5.7 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32285	6.2 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32286	6.8 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32288	7.4 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32289	8.1 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32290	9.0 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32292	9.9 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32293	10.9 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32294	12.1 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32296	13.5 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32297	15.5 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32298	17.6 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32300	19.8 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32301	22.1 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	01
14D32302	24.5 %	Chris Conatser	14-OSU-04	0.00	0.00	13.23	Lau Basin\Mullions (13-INT-09)	14D32259	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
14D32260	1.8 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	3	31	1
14D32261	1.9 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	3	43	1
14D32262	2.0 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	3	55	1
14D32264	2.1 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	4	20	1
14D32265	2.2 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	4	33	1
14D32266	2.3 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	4	45	1
14D32268	2.4 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	5	10	1
14D32269	2.5 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	5	22	1
14D32270	2.6 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	5	35	1
14D32272	2.8 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	6	0	1
14D32273	3.0 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	6	12	1
14D32274	3.2 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	6	25	1
14D32276	3.5 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	6	49	1
14D32277	3.8 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	7	2	1
14D32278	4.1 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	7	14	1
14D32280	4.4 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	7	39	1
14D32281	4.7 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	7	52	1
14D32282	5.2 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	8	4	1
14D32284	5.7 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	8	29	1
14D32285	6.2 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	8	41	1
14D32286	6.8 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	8	54	1
14D32288	7.4 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	9	19	1
14D32289	8.1 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	9	31	1
14D32290	9.0 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	9	43	1
14D32292	9.9 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	10	8	1
14D32293	10.9 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	10	21	1
14D32294	12.1 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	10	33	1
14D32296	13.5 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	10	58	1
14D32297	15.5 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	11	10	1
14D32298	17.6 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	11	23	1
14D32300	19.8 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	11	48	1
14D32301	22.1 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	12	0	1
14D32302	24.5 %	RR1310-D42-67	Groundmass	Lau Basin	FCT-NM (4C6-14)	28.201	0.082	Kuiper et al (2008)	9.08069	0.13	0.00173086	0.130	303.562	0.173	0.99335192	0.072	1	4.8E-14	23	NOV	2014	12	13	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
14D32260	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
14D32261	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
14D32262	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
14D32264	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
14D32265	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
14D32266	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
14D32268	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
14D32269	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
14D32270	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
14D32272	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
14D32273	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
14D32274	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
14D32276	3.5 %	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
14D32277	3.8 %	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
14D32278	4.1 %	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
14D32280	4.4 %	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
14D32281	4.7 %	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
14D32282	5.2 %	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
14D32284	5.7 %	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
14D32285	6.2 %	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
14D32286	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
14D32288	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
14D32289	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
14D32290	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
14D32292	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
14D32293	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
14D32294	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
14D32296	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
14D32297	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
14D32298	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
14D32300	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
14D32301	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
14D32302	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

14D32259.AGE >>> RR1310-D42-67 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
599.9 ± 5.6
TOTAL FUSION
590.9 ± 4.9
NORMAL ISOCHRON
585.2 ± 7.9
INVERSE ISOCHRON
585.8 ± 7.8

MSWD (PROBABILITY)
1.96 (1%)

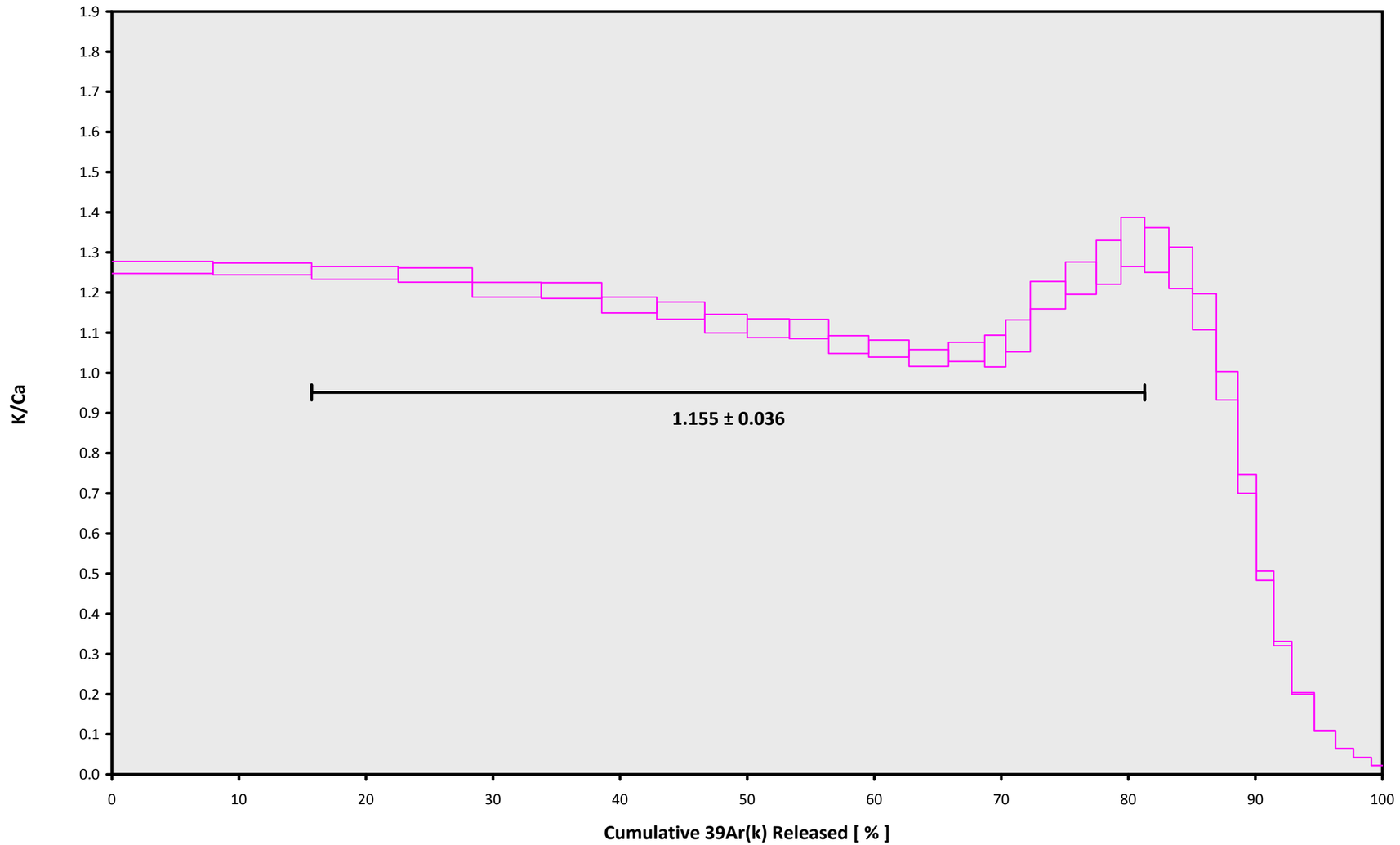
Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C6-14)
J = 0.00173086 ± 0.00000225

OSU Argon Geochronology Lab
CEOAS Oregon State University, Corvallis, USA

14D32259.AGE >>> RR1310-D42-67 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
599.9 ± 5.6
TOTAL FUSION
590.9 ± 4.9
NORMAL ISOCHRON
585.2 ± 7.9
INVERSE ISOCHRON
585.8 ± 7.8

Sample Info

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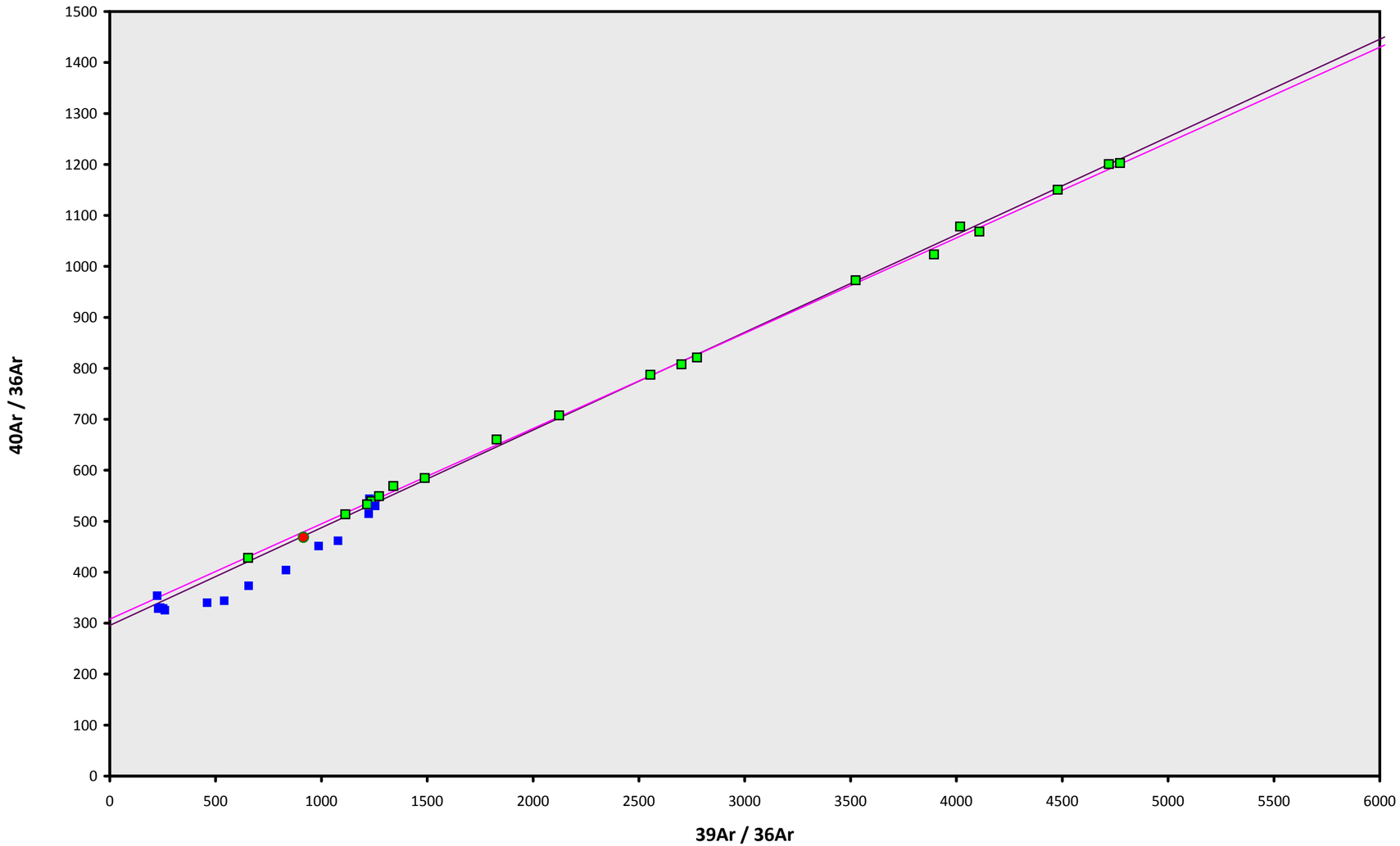


Ar-Ages in ka

WEIGHTED PLATEAU
599.9 ± 5.6
TOTAL FUSION
590.9 ± 4.9
NORMAL ISOCHRON
585.2 ± 7.9
INVERSE ISOCHRON
585.8 ± 7.8

MSWD (PROBABILITY)
0.90 (58%)

40AR/36AR INTERCEPT
307.8 ± 5.7

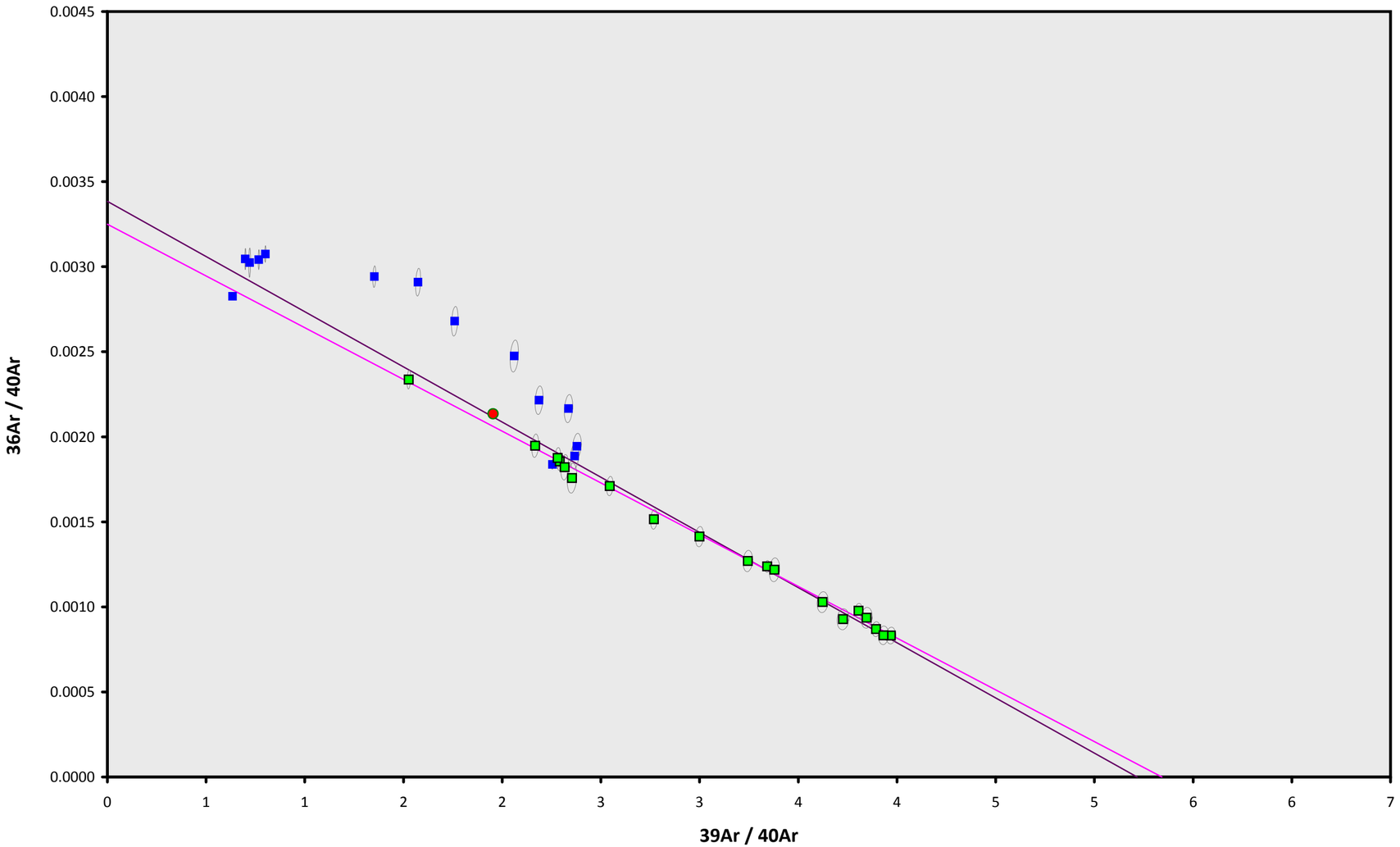
Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C6-14)
J = 0.00173086 ± 0.00000225

OSU Argon Geochronology Lab
CEOAS Oregon State University, Corvallis, USA

14D32259.AGE >>> RR1310-D42-67 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
599.9 ± 5.6
TOTAL FUSION
590.9 ± 4.9
NORMAL ISOCHRON
585.2 ± 7.9
INVERSE ISOCHRON
585.8 ± 7.8

MSWD (PROBABILITY)
0.91 (56%)

SPREADING FACTOR
45.7%

40AR/36AR INTERCEPT
307.7 ± 5.7

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C6-14)
J = 0.00173086 ± 0.00000225