Relative Abundances			36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
14D29592	1.8 %		0.0700244	1.533	17.405	1.398	0.0803188	52.337	0.045572	88.135	19.19164	0.456	4.13520 ± 21.79881	12.79 ± 67.65	0.73	0.42	0.0008 ± 0.0020
14D29594	2.0 %		0.0207483	4.413	19.872	1.203	0.0266317	152.043	0.026608	144.633	4.59118	1.906	0.84931 ± 43.34544	2.62 ± 133.38	0.24	0.16	0.0003 ± 0.0017
14D29595	2.4 %		0.0340982	2.847	37.462	0.730	0.0229819	170.045	0.070144	57.290	7.41109	1.187	5.74696 ± 16.88031	17.62 ± 51.51	3.48	0.56	0.0005 ± 0.0009
14D29596	2.8 %		0.0303205	3.009	40.943	0.701	0.0296586	125.752	0.076680	52.850	5.36298	1.633	8.19831 ± 17.80357	25.44 ± 55.64	7.51	0.61	0.0005 ± 0.0009
14D29598	3.2 %		0.0534030	1.871	107.376	0.393	0.0433798	92.141	0.113000	35.095	7.88327	1.114	11.80357 ± 27.56039	36.01 ± 83.25	6.10	0.50	0.0002 ± 0.0003
14D29599	3.6 %		0.0454271	2.054	119.743	0.386	0.0128390	308.865	0.221738	17.568	3.77373	2.339	2.18537 ± 4.30632	6.75 ± 13.32	8.17	1.74	0.0005 ± 0.0003
14D29600	4.0 %	✓	0.0607892	1.771	178.818	0.354	0.0000200	########	0.255584	15.644	4.14020	2.117	0.93795 ± 4.96443	2.89 ± 15.27	3.06	1.67	0.0003 ± 0.0002
14D29602	4.6 %	✓	0.0606121	1.678	198.438	0.351	0.0118230	331.316	0.251996	15.774	2.65218	3.301	1.87205 ± 5.50957	5.76 ± 16.92	8.36	1.46	0.0003 ± 0.0002
14D29603	5.6 %	✓	0.1847658	0.787	638.103	0.328	0.0100884	387.396	0.836987	4.981	5.02200	1.760	0.49816 ± 2.29862	1.53 ± 7.08	4.04	5.04	0.0003 ± 0.0001
14D29605	6.6 %	✓	0.2601253	0.610	923.996	0.326	0.0251250	155.527	1.202696	3.358	4.77574	1.857	0.01569 ± 1.83183	0.05 ± 5.64	0.19	7.18	0.0003 ± 0.0000
14D29606	8.0 %	✓	0.4081547	0.515	1478.057	0.326	0.0077661	492.285	1.936239	2.061	6.52157	1.333	1.29269 ± 1.55702	3.98 ± 4.79	18.66	11.63	0.0003 ± 0.0000
14D29608	9.7 %	✓	0.4993150	0.438	1816.516	0.325	0.0482816	84.266	2.412619	1.669	8.49810	1.043	2.23478 ± 1.35067	6.87 ± 4.15	31.30	14.70	0.0003 ± 0.0000
14D29609	11.7 %	✓	0.4896477	0.479	1747.692	0.326	0.0911512	42.611	2.301785	1.784	10.82549	0.807	2.20011 ± 1.47881	6.77 ± 4.54	22.88	13.91	0.0003 ± 0.0000
14D29611	13.7 %		0.3812349	0.549	1343.130	0.326	0.0026359	1518.912	1.772483	2.307	11.40164	0.774	4.05971 ± 1.68269	12.47 ± 5.15	30.93	10.73	0.0003 ± 0.0000
14D29612	16.0 %		0.2693983	0.625	949.639	0.326	0.0048669	816.506	1.255828	3.206	9.05770	0.978	5.72888 ± 1.96432	17.57 ± 5.99	39.01	7.62	0.0003 ± 0.0000
14D29614	18.3 %		0.2391071	0.636	820.190	0.327	0.0242490	169.265	1.147799	3.538	13.44030	0.655	11.35975 ± 2.29288	34.67 ± 6.93	50.36	7.36	0.0003 ± 0.0000
14D29615	20.9 %		0.2064839	0.719	716.712	0.328	0.0065987	553.875	0.967210	3.987	9.16093	0.957	8.36640 ± 2.39743	25.60 ± 7.28	44.28	5.99	0.0003 ± 0.0000
14D29617	23.5 %		0.1794692	0.775	644.670	0.328	0.0245634	158.406	0.915614	4.432	7.01191	1.250	8.86482 ± 2.39628	27.11 ± 7.27	60.91	5.95	0.0003 ± 0.0001
14D29618	25.0 %		0.0892422	1.306	319.783	0.335	0.0284980	140.155	0.439331	9.416	3.23433	2.695	8.07594 ± 4.41597	24.72 ± 13.42	55.96	2.77	0.0003 ± 0.0001
		Σ	3.5823670	0.181	12118.544	0.102	0.2806901	61.349	16.249913	1.078	143.95598	0.266					

Information on Analysis and Constants Used in Calculations

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D43-39**
Material = **Plagioclase**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C10-14)**
Position = **X: 0 | Y: 0 | Z/H: 21.24 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.22336 ± 0.01181**
FCT-NM J-value = **0.00170409 ± 0.00000218**
Air Shot 40Ar/36Ar = **303.7560 ± 0.4739**
Air Shot MDF = **0.99319629 ± 0.00069095 (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-D43-39PL**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **14°34.8'S - 175°33.6'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 (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		1.49270 ± 0.71090 (± 47.63%)	**4.59 ± 2.19 (± 47.57%)**	0.95 (46%)	55.59 (7)	0.0003 ± 0.0000
		Full External Error ± 2.19		2.15	2σ Confidence Limit	
		Analytical Error ± 2.19		1.0000	Error Magnification	
Total Fusion Age		3.80020 ± 0.56350 (± 14.83%)	**11.67 ± 1.73 (± 14.78%)**		19	0.0003 ± 0.0000
		Full External Error ± 1.75				
		Analytical Error ± 1.73				
Normal Isochron	**289.17 ± 55.08 (± 19.05%)**	1.36148 ± 1.66506 (± 122.30%)	**4.19 ± 5.12 (± 122.16%)**	1.18 (32%)	55.59 (7)	
		Full External Error ± 5.12		2.26	2σ Confidence Limit	
		Analytical Error ± 5.12		1.0841	Error Magnification	
				11	Number of Iterations	
				0.0000058789	Convergence	
Inverse Isochron	**285.05 ± 52.47 (± 18.41%)**	1.78039 ± 1.01934 (± 57.25%)	**5.48 ± 3.13 (± 57.17%)**	1.10 (36%)	55.59 (7)	
		Full External Error ± 3.13		2.26	2σ Confidence Limit	
		Analytical Error ± 3.13		1.0483	Error Magnification	
				5	Number of Iterations	
Notes				0.0004621506	Convergence	
A relative short, low-mid temperature plateau.				20%	Spreading Factor	

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
14D29592	1.8 %		0.0654200	17.405	0.0674646	0.0338588	0.140013	12.79 ± 67.65	0.73	0.42	0.0008 ± 0.0020
14D29594	2.0 %		0.0154989	19.872	0.0233082	0.0132342	0.011240	2.62 ± 133.38	0.24	0.16	0.0003 ± 0.0017
14D29595	2.4 %		0.0242058	37.462	0.0174258	0.0449321	0.258223	17.62 ± 51.51	3.48	0.56	0.0005 ± 0.0009
14D29596	2.8 %		0.0195116	40.943	0.0000000	0.0491256	0.402747	25.44 ± 55.64	7.51	0.61	0.0005 ± 0.0009
14D29598	3.2 %		0.0250504	107.376	0.0367418	0.0407357	0.480827	36.01 ± 83.25	6.10	0.50	0.0002 ± 0.0003
14D29599	3.6 %		0.0138141	119.743	0.0069864	0.1411517	0.308469	6.75 ± 13.32	8.17	1.74	0.0005 ± 0.0003
14D29600	4.0 %	✓	0.0135811	178.818	0.0000000	0.1352387	0.126847	2.89 ± 15.27	3.06	1.67	0.0003 ± 0.0002
14D29602	4.6 %	✓	0.0082244	198.438	0.0000000	0.1184473	0.221740	5.76 ± 16.92	8.36	1.46	0.0003 ± 0.0002
14D29603	5.6 %	✓	0.0163065	638.103	0.0000000	0.4075430	0.203023	1.53 ± 7.08	4.04	5.04	0.0003 ± 0.0001
14D29605	6.6 %	✓	0.0161904	923.996	0.0000000	0.5808464	0.009116	0.05 ± 5.64	0.19	7.18	0.0003 ± 0.0000
14D29606	8.0 %	✓	0.0179477	1478.057	0.0000000	0.9415070	1.217076	3.98 ± 4.79	18.66	11.63	0.0003 ± 0.0000
14D29608	9.7 %	✓	0.0197539	1816.516	0.0057966	1.1901040	2.659619	6.87 ± 4.15	31.30	14.70	0.0003 ± 0.0000
14D29609	11.7 %	✓	0.0282502	1747.692	0.0487691	1.1255888	2.476414	6.77 ± 4.54	22.88	13.91	0.0003 ± 0.0000
14D29611	13.7 %		0.0266487	1343.130	0.0000000	0.8685564	3.526089	12.47 ± 5.15	30.93	10.73	0.0003 ± 0.0000
14D29612	16.0 %		0.0186936	949.639	0.0000000	0.6167206	3.533119	17.57 ± 5.99	39.01	7.62	0.0003 ± 0.0000
14D29614	18.3 %		0.0225767	820.190	0.0018485	0.5958116	6.768270	34.67 ± 6.93	50.36	7.36	0.0003 ± 0.0000
14D29615	20.9 %		0.0172720	716.712	0.0000000	0.4848628	4.056553	25.60 ± 7.28	44.28	5.99	0.0003 ± 0.0000
14D29617	23.5 %		0.0092751	644.670	0.0083867	0.4817508	4.270634	27.11 ± 7.27	60.91	5.95	0.0003 ± 0.0001
14D29618	25.0 %		0.0048195	319.783	0.0000000	0.2241170	1.809956	24.72 ± 13.42	55.96	2.77	0.0003 ± 0.0001
		Σ	0.3830407	12118.544	0.2167276	8.0941326	30.759285				

Information on Analysis

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D43-39**
Material = **Plagioclase**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C10-14)**
J = **0.00170409 ± 0.00000218**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	1.49270	± 0.71090 ± 47.63%	**4.59**	**± 2.19** **± 47.57%**	0.95 46%	55.59 7	0.0003 ± 0.0000
		Full External Error		± 2.19	2.15	2σ Confidence Limit	
		Analytical Error		± 2.19	1.0000	Error Magnification	
Total Fusion Age	3.80020	± 0.56350 ± 14.83%	**11.67**	**± 1.73** **± 14.78%**		19	0.0003 ± 0.0000
		Full External Error		± 1.75			
		Analytical Error		± 1.73			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D29592	1.8 %		0.52 ± 1.23	293.36 ± 10.01	0.0133
14D29594	2.0 %		0.85 ± 4.97	296.23 ± 36.85	0.0194
14D29595	2.4 %		1.86 ± 3.32	306.17 ± 25.68	0.0431
14D29596	2.8 %		2.52 ± 4.16	274.86 ± 27.31	0.0536
14D29598	3.2 %		1.63 ± 3.17	314.69 ± 26.22	0.0397
14D29599	3.6 %		10.22 ± 5.81	273.17 ± 39.35	0.2266
14D29600	4.0 %	✓	9.96 ± 6.10	304.84 ± 50.57	0.2531
14D29602	4.6 %	✓	14.40 ± 10.32	322.46 ± 83.79	0.3391
14D29603	5.6 %	✓	24.99 ± 6.99	307.95 ± 59.73	0.6703
14D29605	6.6 %	✓	35.88 ± 9.32	294.94 ± 65.60	0.8323
14D29606	8.0 %	✓	52.46 ± 15.04	363.31 ± 99.93	0.9505
14D29608	9.7 %	✓	60.25 ± 16.89	430.14 ± 117.31	0.9673
14D29609	11.7 %	✓	39.84 ± 8.38	383.16 ± 75.77	0.9342
14D29611	13.7 %		32.59 ± 6.60	427.82 ± 77.00	0.8816
14D29612	16.0 %		32.99 ± 7.89	484.50 ± 97.45	0.8333
14D29614	18.3 %		26.39 ± 5.32	595.29 ± 88.78	0.7336
14D29615	20.9 %		28.07 ± 6.88	530.36 ± 99.29	0.7561
14D29617	23.5 %		51.94 ± 18.92	755.94 ± 244.90	0.8839
14D29618	25.0 %		46.50 ± 28.82	671.05 ± 335.97	0.7985

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**289.17 ± 55.08 ± 19.05%**	1.36148 ± 1.66506 ± 122.30%	**4.19 ± 5.12 ± 122.16%**	1.18 32%
			Full External Error ± 5.12	
			Analytical Error ± 5.12	

Statistics				
	2σ Confidence Limit	2.26	Convergence	0.000005878927
	Error Magnification	1.0841	Number of Iterations	11
	Number of Data Points	7	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
14D29592	1.8 %		0.0017642	± 0.0041858	0.00340878	± 0.00011628	0.0010
14D29594	2.0 %		0.0028825	± 0.0167647	0.00337581	± 0.00041997	0.0020
14D29595	2.4 %		0.0060629	± 0.0108457	0.00326618	± 0.00027391	0.0038
14D29596	2.8 %		0.0091602	± 0.0151164	0.00363823	± 0.00036149	0.0065
14D29598	3.2 %		0.0051674	± 0.0100620	0.00317769	± 0.00026473	0.0031
14D29599	3.6 %		0.0374052	± 0.0207207	0.00366072	± 0.00052734	0.0274
14D29600	4.0 %	✓	0.0326659	± 0.0193661	0.00328041	± 0.00054422	0.0182
14D29602	4.6 %	✓	0.0446623	± 0.0301237	0.00310115	± 0.00080583	0.0249
14D29603	5.6 %	✓	0.0811582	± 0.0168583	0.00324728	± 0.00062979	0.0307
14D29605	6.6 %	✓	0.1216394	± 0.0175292	0.00339056	± 0.00075409	0.0431
14D29606	8.0 %	✓	0.1443891	± 0.0128671	0.00275245	± 0.00075709	0.0290
14D29608	9.7 %	✓	0.1400634	± 0.0099625	0.00232484	± 0.00063406	0.0224
14D29609	11.7 %	✓	0.1039867	± 0.0078029	0.00260988	± 0.00051612	0.0175
14D29611	13.7 %		0.0761840	± 0.0072874	0.00233744	± 0.00042072	0.0139
14D29612	16.0 %		0.0680927	± 0.0090028	0.00206398	± 0.00041514	0.0144
14D29614	18.3 %		0.0443322	± 0.0060775	0.00167986	± 0.00025052	0.0084
14D29615	20.9 %		0.0529301	± 0.0084869	0.00188550	± 0.00035299	0.0122
14D29617	23.5 %		0.0687094	± 0.0117088	0.00132285	± 0.00042855	0.0113
14D29618	25.0 %		0.0692980	± 0.0258576	0.00149020	± 0.00074610	0.0155

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**285.05**	**± 52.47**	1.78039	± 1.01934	**5.48**	**± 3.13**	1.10
		± 18.41%		± 57.25%		**± 57.17%**	36%
					Full External Error	± 3.13	
					Analytical Error	± 3.13	

Statistics				
	2σ Confidence Limit	2.26	Convergence	0.0004621506
	Error Magnification	1.0483	Number of Iterations	5
	Number of Data Points	7	Calculated Line	Weighted York-2
	Spreading Factor	19.9%		

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
14D29592	1.8 %		0.0654200	1.64	0.0000000	0.00	0.0045949	1.40	0.0000095	62.32	17.405	1.40	0.0122270	1.64	0.0000000	0.00	0.0003853	118.63	0.0002419	1.40	0.0674646	62.33	0.0338588	118.63	0.0117135	1.40	0.140013	235.37	19.33162	1.64	0.0000000	0.00	0.0000342	118.63
14D29594	2.0 %		0.0154989	5.92	0.0000000	0.00	0.0052461	1.20	0.0000033	173.74	19.872	1.20	0.0028967	5.92	0.0000000	0.00	0.0001506	290.79	0.0002762	1.20	0.0233082	173.74	0.0132342	290.79	0.0133735	1.20	0.011240	######	4.57993	5.92	0.0000000	0.00	0.0000134	290.79
14D29595	2.4 %		0.0242058	4.02	0.0000000	0.00	0.0098899	0.73	0.0000025	224.29	37.462	0.73	0.0045241	4.02	0.0000000	0.00	0.0005113	89.44	0.0005207	0.73	0.0174258	224.29	0.0449321	89.44	0.0252116	0.73	0.258223	116.49	7.15283	4.02	0.0000000	0.00	0.0000454	89.44
14D29596	2.8 %		0.0195116	4.69	0.0000000	0.00	0.0108089	0.70	0.0000000	0.00	40.943	0.70	0.0036467	4.69	0.0000000	0.00	0.0005590	82.49	0.0005691	0.70	0.0000000	0.00	0.0491256	82.49	0.0275544	0.70	0.402747	70.60	5.76568	4.69	0.0000000	0.00	0.0000496	82.49
14D29598	3.2 %		0.0250504	4.01	0.0000000	0.00	0.0283474	0.39	0.0000052	108.80	107.376	0.39	0.0046819	4.01	0.0000000	0.00	0.0004636	97.35	0.0014925	0.39	0.0367418	108.81	0.0407357	97.35	0.0722644	0.39	0.480827	64.43	7.40240	4.01	0.0000000	0.00	0.0000411	97.35
14D29599	3.6 %		0.0138141	6.81	0.0000000	0.00	0.0316120	0.39	0.0000010	567.66	119.743	0.39	0.0025819	6.81	0.0000000	0.00	0.0016063	27.60	0.0016644	0.39	0.0069864	567.66	0.1411517	27.60	0.0805867	0.39	0.308469	94.58	4.08206	6.81	0.0000000	0.00	0.0001426	27.60
14D29600	4.0 %	✓	0.0135811	8.02	0.0000000	0.00	0.0472081	0.35	0.0000000	0.00	178.818	0.35	0.0025383	8.02	0.0000000	0.00	0.0015390	29.57	0.0024856	0.35	0.0000000	0.00	0.1352387	29.57	0.1203448	0.35	0.126847	262.99	4.01322	8.02	0.0000000	0.00	0.0001366	29.57
14D29602	4.6 %	✓	0.0082244	12.57	0.0000000	0.00	0.0523877	0.35	0.0000000	0.00	198.438	0.35	0.0015371	12.57	0.0000000	0.00	0.0013479	33.56	0.0027583	0.35	0.0000000	0.00	0.1184473	33.56	0.1335489	0.35	0.221740	143.27	2.43032	12.57	0.0000000	0.00	0.0001196	33.56
14D29603	5.6 %	✓	0.0163065	9.54	0.0000000	0.00	0.1684593	0.33	0.0000000	0.00	638.103	0.33	0.0030477	9.54	0.0000000	0.00	0.0046378	10.24	0.0088696	0.33	0.0000000	0.00	0.4075430	10.24	0.4294436	0.33	0.203023	230.48	4.81857	9.54	0.0000000	0.00	0.0004116	10.24
14D29605	6.6 %	✓	0.0161904	10.96	0.0000000	0.00	0.2439349	0.33	0.0000000	0.00	923.996	0.33	0.0030260	10.96	0.0000000	0.00	0.0066100	6.96	0.0128435	0.33	0.0000000	0.00	0.5808464	6.96	0.6218493	0.33	0.009116	######	4.78427	10.96	0.0000000	0.00	0.0005867	6.96
14D29606	8.0 %	✓	0.0179477	13.69	0.0000000	0.00	0.3902070	0.33	0.0000000	0.00	1478.057	0.33	0.0033544	13.69	0.0000000	0.00	0.0107143	4.25	0.0205450	0.33	0.0000000	0.00	0.9415070	4.25	0.9947321	0.33	1.217076	60.07	5.30355	13.69	0.0000000	0.00	0.0009509	4.25
14D29608	9.7 %	✓	0.0197539	13.60	0.0000000	0.00	0.4795603	0.33	0.0000008	701.99	1816.516	0.33	0.0036920	13.60	0.0000000	0.00	0.0135434	3.40	0.0252496	0.33	0.0057966	701.99	1.1901040	3.40	1.2225154	0.33	2.659619	30.03	5.83728	13.60	0.0000000	0.00	0.0012020	3.40
14D29609	11.7 %	✓	0.0282502	9.85	0.0000000	0.00	0.4613906	0.33	0.0000069	79.66	1747.692	0.33	0.0052800	9.85	0.0000000	0.00	0.0128092	3.66	0.0242929	0.33	0.0487691	79.67	1.1255888	3.66	1.1761966	0.33	2.476414	33.41	8.34793	9.85	0.0000000	0.00	0.0011368	3.66
14D29611	13.7 %		0.0266487	8.97	0.0000000	0.00	0.3545863	0.33	0.0000000	0.00	1343.130	0.33	0.0049806	8.97	0.0000000	0.00	0.0098842	4.72	0.0186695	0.33	0.0000000	0.00	0.8685564	4.72	0.9039264	0.33	3.526089	20.18	7.87468	8.97	0.0000000	0.00	0.0008772	4.72
14D29612	16.0 %		0.0186936	10.01	0.0000000	0.00	0.2507048	0.33	0.0000000	0.00	949.639	0.33	0.0034938	10.01	0.0000000	0.00	0.0070183	6.54	0.0132000	0.33	0.0000000	0.00	0.6167206	6.54	0.6391072	0.33	3.533119	15.85	5.52395	10.01	0.0000000	0.00	0.0006229	6.54
14D29614	18.3 %		0.0225767	7.43	0.0000000	0.00	0.2165301	0.33	0.0000003	######	820.190	0.33	0.0042196	7.43	0.0000000	0.00	0.0067803	6.82	0.0114006	0.33	0.0018485	######	0.5958116	6.82	0.5519877	0.33	6.768270	7.44	6.67143	7.43	0.0000000	0.00	0.0006018	6.82
14D29615	20.9 %		0.0172720	9.31	0.0000000	0.00	0.1892119	0.33	0.0000000	0.00	716.712	0.33	0.0032281	9.31	0.0000000	0.00	0.0055177	7.96	0.0099623	0.33	0.0000000	0.00	0.4848628	7.96	0.4823470	0.33	4.056553	11.91	5.10389	9.31	0.0000000	0.00	0.0004897	7.96
14D29617	23.5 %		0.0092751	16.15	0.0000000	0.00	0.1701930	0.33	0.0000012	464.01	644.670	0.33	0.0017335	16.15	0.0000000	0.00	0.0054823	8.43	0.0089609	0.33	0.0083867	464.01	0.4817508	8.43	0.4338631	0.33	4.270634	10.57	2.74079	16.15	0.0000000	0.00	0.0004866	8.43
14D29618	25.0 %		0.0048195	24.89	0.0000000	0.00	0.0844227	0.34	0.0000000	0.00	319.783	0.34	0.0009008	24.89	0.0000000	0.00	0.0025505	18.46	0.0044450	0.34	0.0000000	0.00	0.2241170	18.46	0.2152140	0.34	1.809956	20.17	1.42415	24.89	0.0000000	0.00	0.0002264	18.46
		Σ	0.3830407	1.90	0.0000000	0.00	3.1992956	0.10	0.0000307	55.53	12118.544	0.10	0.0715903	1.90	0.0000000	0.00	0.0921112	2.17	0.1684478	0.10	0.2167276	55.51	8.0941326	2.17	8.1557802	0.10	30.759285	7.09	113.18852	1.90	0.0000000	0.00	0.0081751	2.17
		Σ							3.5823670	0.22	12118.544	0.10									0.5488769	21.92			16.249913	1.08							143.95598	2.13

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D29592	1.8 %		421.125705	371.163741	381.917819	336.645286	1.536560	1.354450	87.153	5.606405	1.00061602	9.212E-13
14D29594	2.0 %		172.550530	249.587164	746.831691	1080.204570	0.779784	1.128351	87.170	5.608328	1.00061614	2.204E-13
14D29595	2.4 %		105.655824	60.542722	534.068811	305.990424	0.486118	0.278839	87.178	5.609251	1.00061620	3.557E-13
14D29596	2.8 %		69.939749	36.981069	533.941744	282.215083	0.395415	0.209317	87.188	5.610251	1.00061627	2.574E-13
14D29598	3.2 %		69.763369	24.495525	950.233566	333.501699	0.472593	0.166090	87.205	5.612175	1.00061639	3.784E-13
14D29599	3.6 %		17.018845	3.016242	540.017025	94.892566	0.204868	0.036236	87.213	5.613099	1.00061645	1.811E-13
14D29600	4.0 %	✓	16.199005	2.557289	699.647684	109.482027	0.237845	0.037446	87.222	5.614100	1.00061651	1.987E-13
14D29602	4.6 %	✓	10.524693	1.696150	787.465075	124.247064	0.240528	0.038155	87.239	5.615949	1.00061663	1.273E-13
14D29603	5.6 %	✓	6.000096	0.316976	762.381885	38.058062	0.220751	0.011132	87.248	5.616950	1.00061669	2.411E-13
14D29605	6.6 %	✓	3.970862	0.152381	768.270745	25.920095	0.216285	0.007382	87.265	5.618877	1.00061682	2.292E-13
14D29606	8.0 %	✓	3.368166	0.082654	763.364725	15.925421	0.210798	0.004477	87.274	5.619802	1.00061687	3.130E-13
14D29608	9.7 %	✓	3.522353	0.069327	752.922822	12.802980	0.206960	0.003571	87.291	5.621729	1.00061700	4.079E-13
14D29609	11.7 %	✓	4.703082	0.092081	759.276596	13.769524	0.212725	0.003929	87.299	5.622654	1.00061706	5.196E-13
14D29611	13.7 %		6.432583	0.156516	757.767468	17.653703	0.215085	0.005100	87.317	5.624583	1.00061718	5.473E-13
14D29612	16.0 %		7.212530	0.241772	756.185855	24.371794	0.214519	0.007008	87.326	5.625586	1.00061724	4.348E-13
14D29614	18.3 %		11.709626	0.421366	714.575962	25.391833	0.208318	0.007489	87.342	5.627438	1.00061736	6.451E-13
14D29615	20.9 %		9.471506	0.388350	741.009590	29.642781	0.213484	0.008649	87.351	5.628442	1.00061742	4.397E-13
14D29617	23.5 %		7.658149	0.352644	704.085325	31.289245	0.196010	0.008818	87.369	5.630372	1.00061755	3.366E-13
14D29618	25.0 %		7.361948	0.721042	727.886377	68.582882	0.203132	0.019311	87.377	5.631299	1.00061761	1.552E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D29592	1.8 %	0.0195724 ± 0.0006949	0.0205479 ± 0.0300318	0.0958504 ± 0.0282028	0.0064292 ± 0.0308819	5.4277206 ± 0.0831114
14D29594	2.0 %	0.0190558 ± 0.0006949	0.0258963 ± 0.0300318	0.0854335 ± 0.0282028	0.0005930 ± 0.0308819	5.4054235 ± 0.0831114
14D29595	2.4 %	0.0188525 ± 0.0006949	0.0244721 ± 0.0300318	0.0808843 ± 0.0282028	0.0014927 ± 0.0308819	5.3952642 ± 0.0831114
14D29596	2.8 %	0.0186615 ± 0.0006949	0.0208554 ± 0.0300318	0.0762859 ± 0.0282028	0.0031382 ± 0.0308819	5.3843731 ± 0.0831114
14D29598	3.2 %	0.0183704 ± 0.0006949	0.0100007 ± 0.0300318	0.0684074 ± 0.0282028	0.0043532 ± 0.0308819	5.3631428 ± 0.0831114
14D29599	3.6 %	0.0182624 ± 0.0006949	0.0038567 ± 0.0300318	0.0650766 ± 0.0282028	0.0039952 ± 0.0308819	5.3526071 ± 0.0831114
14D29600	4.0 %	0.0181659 ± 0.0006949	0.0029230 ± 0.0300318	0.0617982 ± 0.0282028	0.0029273 ± 0.0308819	5.3408448 ± 0.0831114
14D29602	4.6 %	0.0180374 ± 0.0006949	0.0145634 ± 0.0300318	0.0566475 ± 0.0282028	0.0007794 ± 0.0308819	5.3181054 ± 0.0831114
14D29603	5.6 %	0.0179917 ± 0.0006949	0.0198555 ± 0.0300318	0.0543459 ± 0.0282028	0.0036140 ± 0.0308819	5.3052793 ± 0.0831114
14D29605	6.6 %	0.0179443 ± 0.0006949	0.0271037 ± 0.0300318	0.0508844 ± 0.0282028	0.0102859 ± 0.0308819	5.2799746 ± 0.0831114
14D29606	8.0 %	0.0179384 ± 0.0006949	0.0290097 ± 0.0300318	0.0496737 ± 0.0282028	0.0138536 ± 0.0308819	5.2677623 ± 0.0831114
14D29608	9.7 %	0.0179570 ± 0.0006949	0.0295570 ± 0.0300318	0.0480906 ± 0.0282028	0.0213852 ± 0.0308819	5.2430300 ± 0.0831114
14D29609	11.7 %	0.0179795 ± 0.0006949	0.0282636 ± 0.0300318	0.0477816 ± 0.0282028	0.0247476 ± 0.0308819	5.2319135 ± 0.0831114
14D29611	13.7 %	0.0180523 ± 0.0006949	0.0229328 ± 0.0300318	0.0480770 ± 0.0282028	0.0303054 ± 0.0308819	5.2116626 ± 0.0831114
14D29612	16.0 %	0.0181036 ± 0.0006949	0.0191779 ± 0.0300318	0.0487322 ± 0.0282028	0.0319695 ± 0.0308819	5.2033671 ± 0.0831114
14D29614	18.3 %	0.0182222 ± 0.0006949	0.0117877 ± 0.0300318	0.0508435 ± 0.0282028	0.0317035 ± 0.0308819	5.1938235 ± 0.0831114
14D29615	20.9 %	0.0182998 ± 0.0006949	0.0082680 ± 0.0300318	0.0524755 ± 0.0282028	0.0292009 ± 0.0308819	5.1926498 ± 0.0831114
14D29617	23.5 %	0.0184774 ± 0.0006949	0.0046363 ± 0.0300318	0.0565786 ± 0.0282028	0.0182469 ± 0.0308819	5.2006684 ± 0.0831114
14D29618	25.0 %	0.0185771 ± 0.0006949	0.0053275 ± 0.0300318	0.0589989 ± 0.0282028	0.0095097 ± 0.0308819	5.2103127 ± 0.0831114

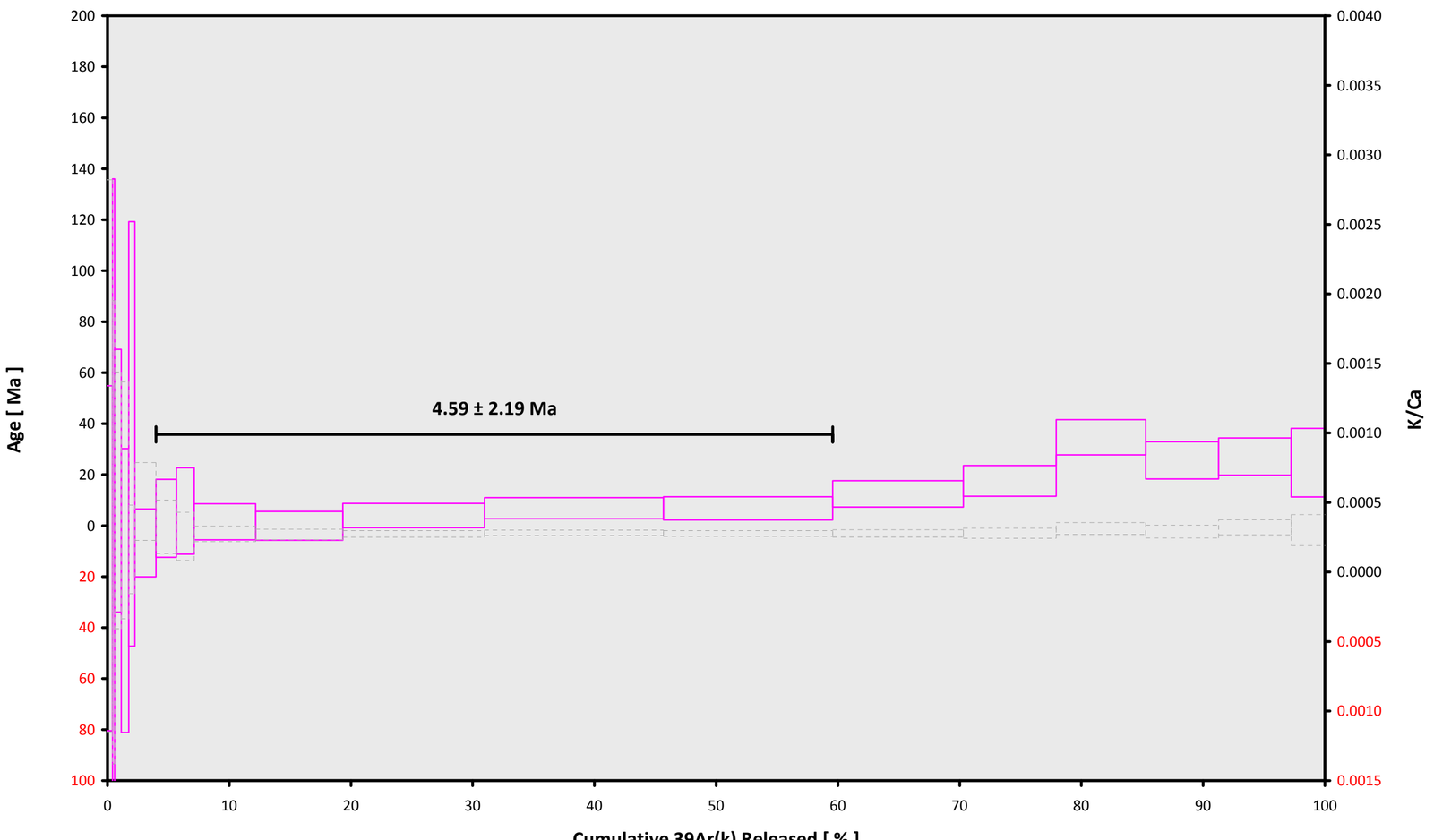
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D29592	1.8 %	0.0862813 ± 0.0007256	0.3749	EXP 150 of 150	3.020637 ± 0.028439	0.2576	EXP 149 of 150	0.0166244 ± 0.0303954	0.0042	EXP 150 of 150	0.0516641 ± 0.0252140	0.1733	EXP 150 of 150	24.6713338 ± 0.0283594	0.9979	EXP 150 of 150
14D29594	2.0 %	0.0388217 ± 0.0005241	0.6479	EXP 150 of 150	3.445103 ± 0.026740	0.2955	EXP 149 of 150	0.0591641 ± 0.0282820	0.0000	EXP 150 of 150	0.0270038 ± 0.0224823	0.1555	EXP 150 of 150	10.0090384 ± 0.0281163	0.9976	EXP 150 of 150
14D29595	2.4 %	0.0513362 ± 0.0006032	0.4868	EXP 150 of 150	6.517946 ± 0.030490	0.5587	EXP 150 of 150	0.0582151 ± 0.0262781	0.0018	EXP 150 of 150	0.0681318 ± 0.0252453	0.1276	EXP 150 of 150	12.8264297 ± 0.0295085	0.9973	EXP 150 of 150
14D29596	2.8 %	0.0475463 ± 0.0005155	0.5352	EXP 149 of 150	7.128233 ± 0.032770	0.5983	EXP 150 of 150	0.1055410 ± 0.0236227	0.0101	EXP 150 of 150	0.0729742 ± 0.0257762	0.0782	EXP 150 of 150	10.7618768 ± 0.0284032	0.9971	EXP 150 of 150
14D29598	3.2 %	0.0692449 ± 0.0006344	0.3961	EXP 150 of 150	18.732823 ± 0.028498	0.9346	EXP 150 of 150	0.0256178 ± 0.0275511	0.0045	EXP 150 of 150	0.1078104 ± 0.0244086	0.2428	EXP 150 of 150	13.2677601 ± 0.0291810	0.9969	EXP 150 of 150
14D29599	3.6 %	0.0615386 ± 0.0005405	0.2767	EXP 150 of 150	20.894054 ± 0.031843	0.9270	EXP 150 of 150	0.0524123 ± 0.0271044	0.0075	EXP 150 of 150	0.2161019 ± 0.0232675	0.0148	EXP 150 of 150	9.1365601 ± 0.0304611	0.9963	EXP 150 of 150
14D29600	4.0 %	0.0760767 ± 0.0007359	0.1054	EXP 150 of 150	31.205411 ± 0.032009	0.9682	EXP 150 of 150	0.0618179 ± 0.0281483	0.0000	EXP 150 of 150	0.2507643 ± 0.0249281	0.0550	EXP 150 of 150	9.4922568 ± 0.0285300	0.9965	EXP 150 of 150
14D29602	4.6 %	0.0757797 ± 0.0006549	0.0938	EXP 150 of 150	34.629167 ± 0.035113	0.9702	EXP 150 of 150	0.0683096 ± 0.0264109	0.0003	EXP 150 of 150	0.2509103 ± 0.0245574	0.1276	EXP 150 of 150	7.9774716 ± 0.0282725	0.9965	EXP 150 of 150
14D29603	5.6 %	0.1940091 ± 0.0010887	0.2261	EXP 150 of 150	111.307655 ± 0.039065	0.9962	EXP 150 of 150	0.0443947 ± 0.0262819	0.0021	EXP 149 of 150	0.8344046 ± 0.0275421	0.0293	EXP 150 of 150	10.3408802 ± 0.0307095	0.9963	EXP 150 of 150
14D29605	6.6 %	0.2657531 ± 0.0011433	0.4834	EXP 150 of 150	161.120468 ± 0.041227	0.9979	EXP 150 of 150	0.0756676 ± 0.0262734	0.0055	EXP 150 of 150	1.2040783 ± 0.0255465	0.0040	EXP 150 of 150	10.0686472 ± 0.0316916	0.9962	EXP 150 of 150
14D29606	8.0 %	0.4067675 ± 0.0015203	0.6120	EXP 150 of 150	257.677262 ± 0.050214	0.9988	EXP 150 of 150	0.0573342 ± 0.0250351	0.0070	EXP 150 of 150	1.9357590 ± 0.0247579	0.0269	EXP 150 of 150	11.8069996 ± 0.0261930	0.9977	EXP 150 of 150
14D29608	9.7 %	0.4936301 ± 0.0014255	0.7473	EXP 149 of 150	316.568002 ± 0.045643	0.9994	EXP 150 of 150	0.0004659 ± 0.0285502	0.0052	EXP 150 of 150	2.4161439 ± 0.0253187	0.1064	EXP 149 of 150	13.7641421 ± 0.0315277	0.9969	EXP 150 of 150
14D29609	11.7 %	0.4844430 ± 0.0016590	0.6909	EXP 150 of 150	304.523531 ± 0.048540	0.9992	EXP 150 of 150	0.0421295 ± 0.0259304	0.0247	EXP 150 of 150	2.3094928 ± 0.0265565	0.0456	EXP 150 of 150	16.0867179 ± 0.0275055	0.9974	EXP 150 of 150
14D29611	13.7 %	0.3812362 ± 0.0015574	0.5812	EXP 150 of 150	233.952308 ± 0.042770	0.9990	EXP 150 of 150	0.0506770 ± 0.0276449	0.0074	EXP 150 of 150	1.7896662 ± 0.0263052	0.0096	EXP 150 of 150	16.6441851 ± 0.0303533	0.9964	EXP 150 of 150
14D29612	16.0 %	0.2747462 ± 0.0012475	0.4345	EXP 150 of 150	165.385849 ± 0.038871	0.9983	EXP 150 of 150	0.0535329 ± 0.0272225	0.0009	EXP 150 of 150	1.2785001 ± 0.0253590	0.0006	EXP 150 of 150	14.2855944 ± 0.0312193	0.9959	EXP 150 of 150
14D29614	18.3 %	0.2460079 ± 0.0010939	0.4044	EXP 150 of 150	142.789599 ± 0.040144	0.9976	EXP 150 of 150	0.0269244 ± 0.0290477	0.0000	EXP 150 of 150	1.1710053 ± 0.0258992	0.0074	EXP 149 of 150	18.6705249 ± 0.0297578	0.9956	EXP 150 of 150
14D29615	20.9 %	0.2150069 ± 0.0010974	0.3018	EXP 150 of 150	124.750468 ± 0.040748	0.9966	EXP 150 of 150	0.0459666 ± 0.0224565	0.0024	EXP 150 of 150	0.9892499 ± 0.0226035	0.0019	EXP 149 of 150	14.3783929 ± 0.0287055	0.9962	EXP 150 of 150
14D29617	23.5 %	0.1894490 ± 0.0010175	0.1295	EXP 150 of 150	112.169714 ± 0.037809	0.9965	EXP 150 of 150	0.0323493 ± 0.0260322	0.0072	EXP 150 of 150	0.9270820 ± 0.0258502	0.0014	EXP 150 of 150	12.2315660 ± 0.0286298	0.9963	EXP 150 of 150
14D29618	25.0 %	0.1035938 ± 0.0008319	0.0264	EXP 150 of 150	55.634673 ± 0.033682	0.9887	EXP 150 of 150	0.0871092 ± 0.0275101	0.0012	EXP 150 of 150	0.4455881 ± 0.0270614	0.0195	EXP 150 of 150	8.4534044 ± 0.0269939	0.9968	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D29592	1.8 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29594	2.0 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29595	2.4 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29596	2.8 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29598	3.2 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29599	3.6 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29600	4.0 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29602	4.6 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29603	5.6 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29605	6.6 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29606	8.0 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29608	9.7 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29609	11.7 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29611	13.7 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29612	16.0 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29614	18.3 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29615	20.9 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29617	23.5 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	01
14D29618	25.0 %	Chris Conatser	14-OSU-04	0.00	0.00	21.24	Lau Basin\Mullions (13-INT-09)	14D29591	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
14D29592	1.8 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	19	40	1
14D29594	2.0 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	20	5	1
14D29595	2.4 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	20	17	1
14D29596	2.8 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	20	30	1
14D29598	3.2 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	20	55	1
14D29599	3.6 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	21	7	1
14D29600	4.0 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	21	20	1
14D29602	4.6 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	21	44	1
14D29603	5.6 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	21	57	1
14D29605	6.6 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	22	22	1
14D29606	8.0 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	22	34	1
14D29608	9.7 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	22	59	1
14D29609	11.7 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	23	11	1
14D29611	13.7 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	23	36	1
14D29612	16.0 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	1	NOV	2014	23	49	1
14D29614	18.3 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	2	NOV	2014	0	13	1
14D29615	20.9 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	2	NOV	2014	0	26	1
14D29617	23.5 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	2	NOV	2014	0	51	1
14D29618	25.0 %	RR1310-D43-39	Plagioclase	Lau Basin	FCT-NM (4C10-14)	28.201	0.082	Kuiper et al (2008)	9.22336	0.128	0.00170409	0.128	303.756	0.156	0.99319629	0.070	1	4.8E-14	2	NOV	2014	1	3	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
14D29592	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
14D29594	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
14D29595	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
14D29596	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
14D29598	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
14D29599	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
14D29600	4.0 %	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
14D29602	4.6 %	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
14D29603	5.6 %	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
14D29605	6.6 %	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
14D29606	8.0 %	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
14D29608	9.7 %	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
14D29609	11.7 %	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
14D29611	13.7 %	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
14D29612	16.0 %	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
14D29614	18.3 %	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
14D29615	20.9 %	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
14D29617	23.5 %	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
14D29618	25.0 %	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

14D29591.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.59 ± 2.19
TOTAL FUSION
11.67 ± 1.73
NORMAL ISOCHRON
4.19 ± 5.12
INVERSE ISOCHRON
5.48 ± 3.13

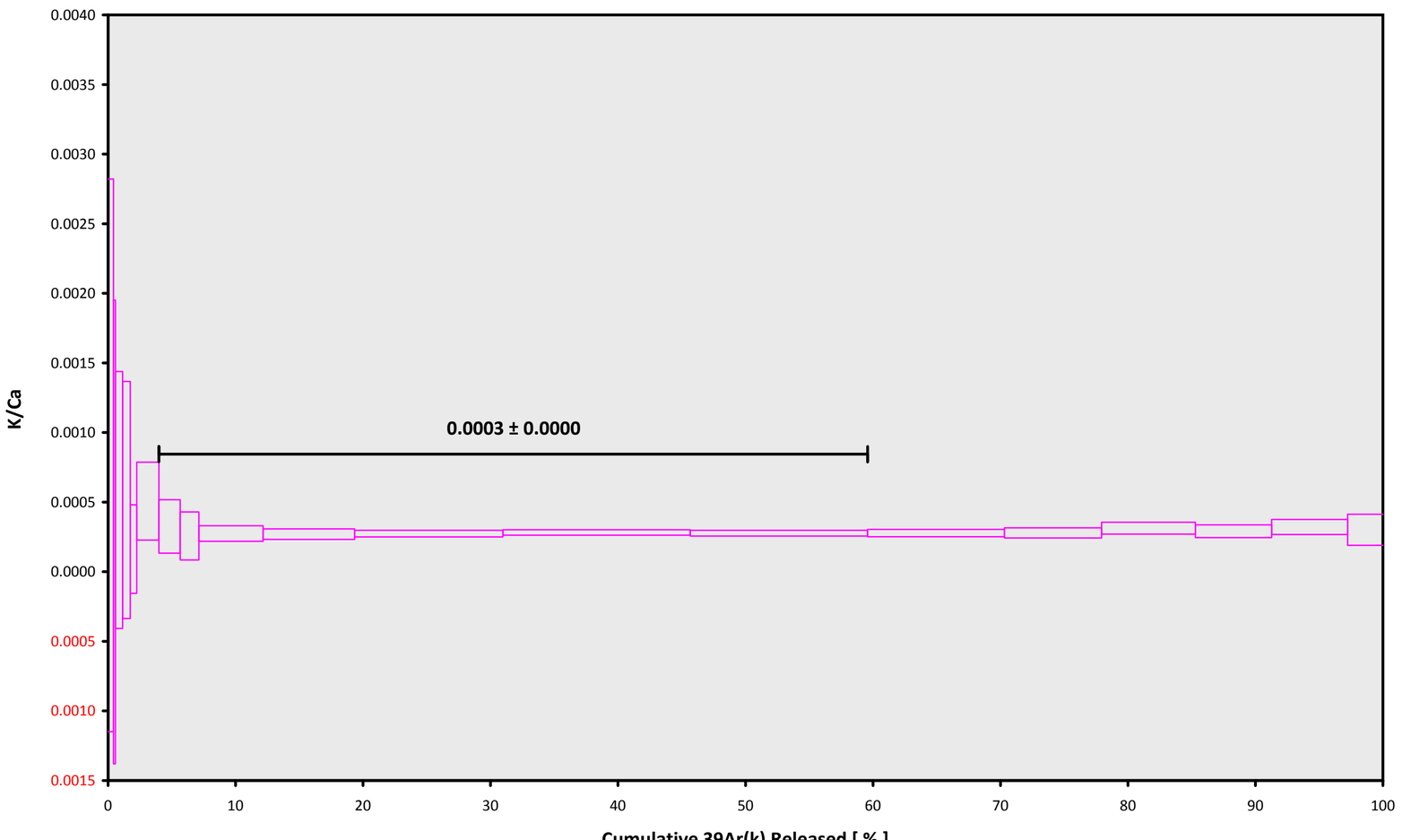
MSWD (PROBABILITY)
0.95 (46%)

Sample Info

Plagioclase
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C10-14)
J = 0.00170409 ± 0.00000218

14D29591.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

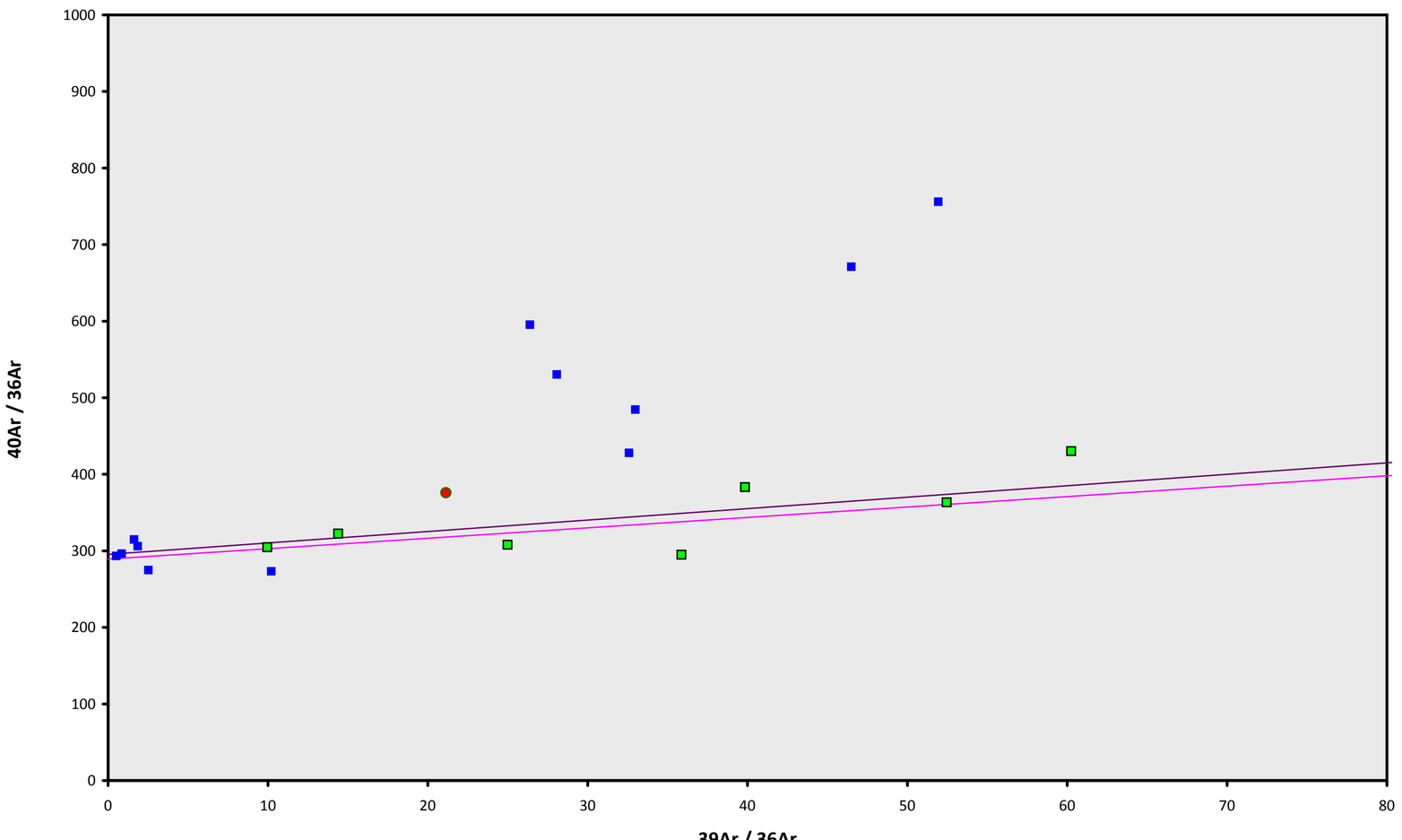
WEIGHTED PLATEAU
4.59 ± 2.19
TOTAL FUSION
11.67 ± 1.73
NORMAL ISOCHRON
4.19 ± 5.12
INVERSE ISOCHRON
5.48 ± 3.13

Sample Info

Plagioclase
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C10-14)
J = 0.00170409 ± 0.00000218

14D29591.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.59 ± 2.19
TOTAL FUSION
11.67 ± 1.73
NORMAL ISOCHRON
4.19 ± 5.12
INVERSE ISOCHRON
5.48 ± 3.13

MSWD (PROBABILITY)
1.18 (32%)

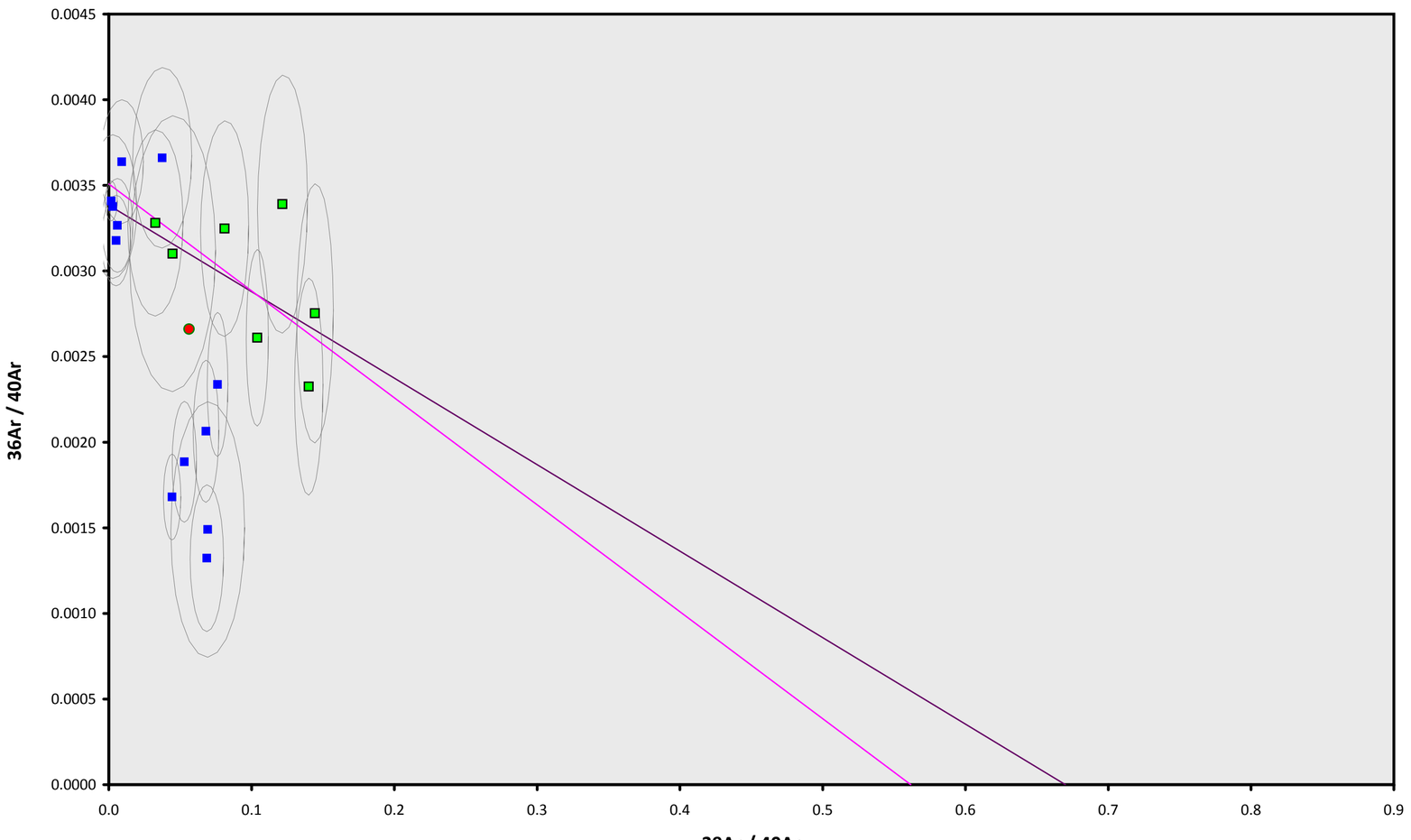
40AR/36AR INTERCEPT
289.2 ± 55.1

Sample Info

Plagioclase
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C10-14)
J = 0.00170409 ± 0.00000218

14D29591.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.59 ± 2.19
TOTAL FUSION
11.67 ± 1.73
NORMAL ISOCHRON
4.19 ± 5.12
INVERSE ISOCHRON
5.48 ± 3.13

MSWD (PROBABILITY)
1.10 (36%)

SPREADING FACTOR
19.9%

40AR/36AR INTERCEPT
285.0 ± 52.5

Sample Info

Plagioclase
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C10-14)
J = 0.00170409 ± 0.00000218