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
13D07374	1.8 %		0.6811577	0.399	24.0496	7.592	0.280533	13.834	13.5527	0.272	213.9489	0.050	1.07174 ± 0.12174	3034.3 ± 344.4	6.78	1.30	0.242 ± 0.037
13D07376	2.0 %		0.2880564	0.580	14.1074	13.014	0.161801	24.226	10.5124	0.350	91.4645	0.116	0.70589 ± 0.10013	1999.1 ± 283.4	8.11	1.01	0.320 ± 0.083
13D07377	2.2 %		0.1584459	0.755	16.8517	10.533	0.104564	35.762	11.2774	0.335	52.2829	0.201	0.59871 ± 0.07015	1695.7 ± 198.6	12.90	1.08	0.287 ± 0.061
13D07378	2.4 %		0.1272859	0.820	31.5488	5.745	0.229386	16.347	21.2856	0.180	44.5795	0.234	0.44054 ± 0.03347	1247.9 ± 94.8	21.01	2.04	0.290 ± 0.033
13D07380	2.7 %		0.0887886	1.130	46.1048	3.828	0.350006	11.110	31.1335	0.141	35.9957	0.290	0.42659 ± 0.02214	1208.4 ± 62.7	36.86	2.99	0.290 ± 0.022
13D07381	3.0 %		0.0756877	1.265	76.6185	2.446	0.571778	6.401	50.8581	0.099	35.4505	0.295	0.37239 ± 0.01324	1054.9 ± 37.5	53.37	4.88	0.285 ± 0.014
13D07382	3.3 %		0.0486792	1.788	59.2858	3.109	0.448881	8.394	41.7600	0.113	24.4037	0.430	0.34815 ± 0.01504	986.2 ± 42.6	59.52	4.01	0.303 ± 0.019
13D07384	3.6 %	✓	0.0430232	1.799	64.6077	2.826	0.533940	6.968	45.8757	0.101	23.1975	0.450	0.33586 ± 0.01266	951.4 ± 35.9	66.36	4.40	0.305 ± 0.017
13D07385	3.9 %	✓	0.0425415	1.845	74.3801	2.454	0.590612	6.573	50.9739	0.095	24.1623	0.433	0.33874 ± 0.01150	959.6 ± 32.6	71.39	4.89	0.294 ± 0.014
13D07386	4.2 %		0.0647380	1.307	110.8483	1.689	0.841892	4.644	76.1041	0.080	37.2322	0.283	0.34900 ± 0.00815	988.7 ± 23.1	71.27	7.30	0.295 ± 0.010
13D07388	4.5 %	✓	0.0333792	2.547	64.1163	2.972	0.549901	6.711	47.9636	0.102	20.5971	0.508	0.32545 ± 0.01299	922.0 ± 36.8	75.72	4.60	0.321 ± 0.019
13D07389	4.8 %	✓	0.0446254	1.875	91.7872	2.092	0.777264	4.754	67.0602	0.084	28.3626	0.366	0.33049 ± 0.00921	936.2 ± 26.1	78.07	6.43	0.314 ± 0.013
13D07390	5.1 %	✓	0.0751248	1.337	173.0698	1.185	1.365852	2.834	116.8887	0.072	47.3384	0.224	0.32809 ± 0.00610	929.4 ± 17.3	80.93	11.21	0.290 ± 0.007
13D07392	5.4 %	✓	0.0304666	2.710	60.1219	3.212	0.553203	7.245	45.3129	0.106	18.9381	0.550	0.32014 ± 0.01353	906.9 ± 38.3	76.53	4.35	0.324 ± 0.021
13D07393	5.7 %	✓	0.0378530	2.150	73.2327	2.600	0.621909	6.268	52.8466	0.095	22.3577	0.469	0.31693 ± 0.01147	897.8 ± 32.5	74.84	5.07	0.310 ± 0.016
13D07394	6.1 %	✓	0.0419680	2.022	78.7173	2.600	0.609234	6.475	52.5425	0.094	23.2460	0.450	0.32079 ± 0.01206	908.8 ± 34.1	72.43	5.04	0.287 ± 0.015
13D07396	6.5 %	✓	0.0295484	2.599	50.8482	3.527	0.334403	11.719	33.4206	0.130	15.6981	0.661	0.32469 ± 0.01720	919.8 ± 48.7	69.05	3.21	0.282 ± 0.020
13D07397	6.9 %	✓	0.0319296	2.519	52.3277	3.742	0.378806	9.982	31.2559	0.130	15.8416	0.656	0.33327 ± 0.01935	944.1 ± 54.8	65.68	3.00	0.257 ± 0.019
13D07398	7.3 %	✓	0.0295184	2.654	43.9344	4.252	0.275362	13.914	24.7250	0.168	13.4541	0.778	0.32777 ± 0.02380	928.5 ± 67.4	60.16	2.37	0.242 ± 0.021
13D07400	7.8 %	✓	0.0343513	2.389	53.2711	3.490	0.314153	12.904	24.9615	0.159	14.5110	0.723	0.33931 ± 0.02427	961.2 ± 68.7	58.28	2.39	0.201 ± 0.014
13D07401	8.3 %	✓	0.0397647	2.222	53.3356	3.591	0.278674	13.341	22.7901	0.172	15.0265	0.693	0.32461 ± 0.02806	919.6 ± 79.5	49.15	2.18	0.183 ± 0.013
13D07402	8.8 %	✓	0.0468107	1.793	57.9593	3.174	0.338595	11.310	21.4455	0.180	16.5567	0.628	0.33679 ± 0.02857	954.1 ± 80.9	43.54	2.06	0.159 ± 0.010
13D07404	9.3 %	✓	0.0611401	1.530	75.5164	2.410	0.277244	14.108	21.8755	0.182	19.0696	0.549	0.31441 ± 0.03013	890.7 ± 85.3	35.98	2.10	0.124 ± 0.006
13D07405	9.9 %	✓	0.0684567	1.378	81.3080	2.273	0.276703	13.861	19.4618	0.192	20.2148	0.512	0.32527 ± 0.03415	921.4 ± 96.7	31.23	1.86	0.103 ± 0.005
13D07406	10.5 %	✓	0.0844061	1.149	110.0352	1.814	0.308915	12.076	17.7912	0.204	21.9142	0.476	0.31440 ± 0.03879	890.7 ± 109.9	25.42	1.70	0.069 ± 0.003
13D07408	11.2 %	✓	0.0941376	0.997	133.9294	1.443	0.220897	18.057	15.8623	0.241	22.5245	0.464	0.32885 ± 0.04233	931.6 ± 119.9	23.03	1.51	0.051 ± 0.001
13D07409	11.9 %	✓	0.1132026	0.988	166.5454	1.208	0.158975	24.740	14.2617	0.256	25.1516	0.417	0.33584 ± 0.05397	951.4 ± 152.8	18.89	1.36	0.037 ± 0.001
13D07410	12.8 %	✓	0.1758368	0.677	302.8248	0.831	0.263945	15.031	16.1433	0.239	33.7526	0.310	0.34912 ± 0.05252	989.0 ± 148.7	16.49	1.53	0.023 ± 0.000
13D07412	13.9 %		0.1676583	0.753	280.7077	0.863	0.206601	18.504	13.2034	0.283	31.3791	0.335	0.29789 ± 0.06660	843.9 ± 188.6	12.35	1.25	0.020 ± 0.000
13D07413	15.2 %		0.2167520	0.649	378.1810	0.750	0.230010	16.709	13.2454	0.290	37.8327	0.276	0.26903 ± 0.07474	762.2 ± 211.7	9.24	1.25	0.015 ± 0.000
13D07414	16.7 %		0.2029330	0.641	359.6113	0.758	0.170378	21.801	8.6955	0.416	34.1821	0.308	0.29382 ± 0.10765	832.4 ± 304.9	7.27	0.81	0.010 ± 0.000
13D07416	18.2 %		0.1435788	0.836	210.4444	1.026	0.086112	44.397	4.4476	0.795	28.0318	0.371	0.49897 ± 0.18946	1413.3 ± 536.4	7.66	0.41	0.009 ± 0.000
13D07417	19.7 %		0.1312965	0.946	131.4352	1.538	0.098881	37.528	2.3469	1.509	30.0021	0.348	0.68289 ± 0.36692	1934.0 ± 1038.6	5.14	0.22	0.007 ± 0.000
13D07419	21.2 %		0.1526525	0.820	126.1756	1.575	0.086841	44.579	2.2387	1.587	36.7731	0.285	0.73722 ± 0.38660	2087.8 ± 1094.2	4.32	0.21	0.007 ± 0.000
		Σ	3.7057952	0.175	3727.8388	0.313	12.896250	1.736	1044.1200	0.025	1175.4739	0.052					

Information on Analysis and Constants Used in Calculations

Project = **BALBAS (13-19)**
Sample = **44A-ARGON-2**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Andrea Balbas**
Irradiation = **13-OSU-05**
Position = **X: 0 | Y: 0 | Z/H: 60.7 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **10.03039 ± 0.01625**
FCT-NM J-value = **0.00156698 ± 0.00000254**
Air Shot 40Ar/36Ar = **302.7840 ± 0.2876**
Air Shot MDF = **0.99397804 ± 0.00062378 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IEKK1-44A-AR-2**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **1°16.4'S - 90°29.3'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) = **0.0006756 ± 0.0000089**
Production 38/37(ca) = **0.0000718 ± 0.0000092**
Production 36/37(ca) = **0.0002663 ± 0.0000004**
Production 40/39(k) = **0.003823 ± 0.000102**
Production 38/39(k) = **0.012031 ± 0.000019**
Production 36/38(cl) = **262.80 ± 1.71**
Scaling Ratio K/Ca = **0.430**
Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		0.32782 ± 0.00326 ± 0.99%	**928.7 ± 9.7 ± 1.04%**	0.83	71.26	0.030 ± 0.012
				67%	20	
		Full External Error ± 23.1		1.65	2σ Confidence Limit	
		Analytical Error ± 9.2		1.0000	Error Magnification	
Total Fusion Age		0.35504 ± 0.00425 ± 1.20%	**1005.8 ± 12.5 ± 1.24%**		34	0.120 ± 0.001
		Full External Error ± 25.9				
		Analytical Error ± 12.0				
Normal Isochron	**297.01 ± 5.18 ± 1.74%**	0.32624 ± 0.00419 ± 1.28%	**924.2 ± 12.2 ± 1.32%**	0.87	71.26	
				62%	20	
		Full External Error ± 24.2		1.67	2σ Confidence Limit	
		Analytical Error ± 11.9		1.0000	Error Magnification	
				40	Number of Iterations	
				0.0000031655	Convergence	
Inverse Isochron	**296.92 ± 5.18 ± 1.75%**	0.32713 ± 0.00418 ± 1.28%	**926.7 ± 12.2 ± 1.32%**	0.86	71.26	
				63%	20	
		Full External Error ± 24.2		1.67	2σ Confidence Limit	
		Analytical Error ± 11.8		1.0000	Error Magnification	
				3	Number of Iterations	
				0.0003036937	Convergence	
				66%	Spreading Factor	

Notes
A reliable plateau with low and high temp recoil.

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
13D07374	1.8 %		0.6747532	24.0496	0.0000000	13.5364	14.50755	3034.3 ± 344.4	6.78	1.30	0.242 ± 0.037
13D07376	2.0 %		0.2842996	14.1074	0.0000000	10.5029	7.41385	1999.1 ± 283.4	8.11	1.01	0.320 ± 0.083
13D07377	2.2 %		0.1539582	16.8517	0.0000000	11.2661	6.74514	1695.7 ± 198.6	12.90	1.08	0.287 ± 0.061
13D07378	2.4 %		0.1188844	31.5488	0.0000000	21.2643	9.36784	1247.9 ± 94.8	21.01	2.04	0.290 ± 0.033
13D07380	2.7 %		0.0765109	46.1048	0.0000000	31.1023	13.26780	1208.4 ± 62.7	36.86	2.99	0.290 ± 0.022
13D07381	3.0 %		0.0552842	76.6185	0.0000000	50.8063	18.91976	1054.9 ± 37.5	53.37	4.88	0.285 ± 0.014
13D07382	3.3 %		0.0328914	59.2858	0.0000000	41.7200	14.52480	986.2 ± 42.6	59.52	4.01	0.303 ± 0.019
13D07384	3.6 %	✓	0.0258182	64.6077	0.0000000	45.8321	15.39301	951.4 ± 35.9	66.36	4.40	0.305 ± 0.017
13D07385	3.9 %	✓	0.0227341	74.3801	0.0000000	50.9237	17.24972	959.6 ± 32.6	71.39	4.89	0.294 ± 0.014
13D07386	4.2 %		0.0352191	110.8483	0.0000000	76.0292	26.53426	988.7 ± 23.1	71.27	7.30	0.295 ± 0.010
13D07388	4.5 %	✓	0.0163050	64.1163	0.0000000	47.9203	15.59573	922.0 ± 36.8	75.72	4.60	0.321 ± 0.019
13D07389	4.8 %	✓	0.0201824	91.7872	0.0000000	66.9982	22.14256	936.2 ± 26.1	78.07	6.43	0.314 ± 0.013
13D07390	5.1 %	✓	0.0290363	173.0698	0.0000000	116.7718	38.31179	929.4 ± 17.3	80.93	11.21	0.290 ± 0.007
13D07392	5.4 %	✓	0.0144557	60.1219	0.0015143	45.2723	14.49339	906.9 ± 38.3	76.53	4.35	0.324 ± 0.021
13D07393	5.7 %	✓	0.0183512	73.2327	0.0000000	52.7972	16.73312	897.8 ± 32.5	74.84	5.07	0.310 ± 0.016
13D07394	6.1 %	✓	0.0210055	78.7173	0.0000000	52.4893	16.83817	908.8 ± 34.1	72.43	5.04	0.287 ± 0.015
13D07396	6.5 %	✓	0.0160075	50.8482	0.0000000	33.3863	10.84029	919.8 ± 48.7	69.05	3.21	0.282 ± 0.020
13D07397	6.9 %	✓	0.0179947	52.3277	0.0000000	31.2205	10.40481	944.1 ± 54.8	65.68	3.00	0.257 ± 0.019
13D07398	7.3 %	✓	0.0178187	43.9344	0.0000000	24.6953	8.09431	928.5 ± 67.4	60.16	2.37	0.242 ± 0.021
13D07400	7.8 %	✓	0.0201632	53.2711	0.0066807	24.9256	8.45752	961.2 ± 68.7	58.28	2.39	0.201 ± 0.014
13D07401	8.3 %	✓	0.0255614	53.3356	0.0000000	22.7540	7.38613	919.6 ± 79.5	49.15	2.18	0.183 ± 0.013
13D07402	8.8 %	✓	0.0313550	57.9593	0.0710340	21.4063	7.20951	954.1 ± 80.9	43.54	2.06	0.159 ± 0.010
13D07404	9.3 %	✓	0.0410296	75.5164	0.0015824	21.8245	6.86195	890.7 ± 85.3	35.98	2.10	0.124 ± 0.006
13D07405	9.9 %	✓	0.0467958	81.3080	0.0286343	19.4069	6.31243	921.4 ± 96.7	31.23	1.86	0.103 ± 0.005
13D07406	10.5 %	✓	0.0550807	110.0352	0.0775684	17.7168	5.57012	890.7 ± 109.9	25.42	1.70	0.069 ± 0.003
13D07408	11.2 %	✓	0.0584690	133.9294	0.0106019	15.7719	5.18661	931.6 ± 119.9	23.03	1.51	0.051 ± 0.001
13D07409	11.9 %	✓	0.0688516	166.5454	0.0000000	14.1492	4.75185	951.4 ± 152.8	18.89	1.36	0.037 ± 0.001
13D07410	12.8 %	✓	0.0951848	302.8248	0.0326533	15.9387	5.56454	989.0 ± 148.7	16.49	1.53	0.023 ± 0.000
13D07412	13.9 %		0.0929022	280.7077	0.0125136	13.0138	3.87672	843.9 ± 188.6	12.35	1.25	0.020 ± 0.000
13D07413	15.2 %		0.1160351	378.1810	0.0248889	12.9899	3.49469	762.2 ± 211.7	9.24	1.25	0.015 ± 0.000
13D07414	16.7 %		0.1071617	359.6113	0.0228375	8.4525	2.48352	832.4 ± 304.9	7.27	0.81	0.010 ± 0.000
13D07416	18.2 %		0.0875366	210.4444	0.0028437	4.3054	2.14827	1413.3 ± 536.4	7.66	0.41	0.009 ± 0.000
13D07417	19.7 %		0.0962822	131.4352	0.0442816	2.2581	1.54205	1934.0 ± 1038.6	5.14	0.22	0.007 ± 0.000
13D07419	21.2 %		0.1190432	126.1756	0.0296236	2.1535	1.58757	2087.8 ± 1094.2	4.32	0.21	0.007 ± 0.000
		Σ	2.7129625	3727.8388	0.3672584	1041.6015	369.81140				

Information on Analysis

Project = **BALBAS (13-19)**
Sample = **44A-ARGON-2**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Andrea Balbas**
Irradiation = **13-OSU-05**
J = **0.00156698 ± 0.00000254**
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	0.32782	± 0.00326	**928.7**	**± 9.7**	0.83	71.26	0.030 ± 0.012
		± 0.99%		**± 1.04%**	67%	20	
			Full External Error	± 23.1	1.65	2σ Confidence Limit	
			Analytical Error	± 9.2	1.0000	Error Magnification	
Total Fusion Age	0.35504	± 0.00425	**1005.8**	**± 12.5**		34	0.120 ± 0.001
		± 1.20%		**± 1.24%**			
			Full External Error	± 25.9			
			Analytical Error	± 12.0			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D07374	1.8 %		20.06 ± 0.20	317.00 ± 2.61	0.8265
13D07376	2.0 %		36.94 ± 0.52	321.58 ± 4.01	0.8523
13D07377	2.2 %		73.18 ± 1.32	339.31 ± 5.83	0.9024
13D07378	2.4 %		178.87 ± 3.52	374.30 ± 7.45	0.9554
13D07380	2.7 %		406.51 ± 11.83	468.91 ± 13.86	0.9758
13D07381	3.0 %		919.00 ± 35.95	637.73 ± 25.20	0.9874
13D07382	3.3 %		1268.42 ± 77.13	737.10 ± 45.24	0.9893
13D07384	3.6 %	✓	1775.18 ± 125.79	891.71 ± 63.68	0.9915
13D07385	3.9 %	✓	2239.97 ± 182.10	1054.26 ± 86.18	0.9940
13D07386	4.2 %		2158.75 ± 120.58	1048.90 ± 58.87	0.9944
13D07388	4.5 %	✓	2938.99 ± 357.13	1252.00 ± 152.66	0.9963
13D07389	4.8 %	✓	3319.63 ± 322.90	1392.62 ± 135.83	0.9970
13D07390	5.1 %	✓	4021.58 ± 317.37	1614.94 ± 127.64	0.9982
13D07392	5.4 %	✓	3131.80 ± 421.69	1298.11 ± 175.36	0.9965
13D07393	5.7 %	✓	2877.05 ± 300.85	1207.33 ± 126.75	0.9957
13D07394	6.1 %	✓	2498.83 ± 240.14	1097.11 ± 105.88	0.9954
13D07396	6.5 %	✓	2085.66 ± 235.77	972.70 ± 110.69	0.9929
13D07397	6.9 %	✓	1734.98 ± 184.91	873.71 ± 93.81	0.9921
13D07398	7.3 %	✓	1385.92 ± 144.44	749.76 ± 78.98	0.9883
13D07400	7.8 %	✓	1236.19 ± 117.63	714.95 ± 68.79	0.9879
13D07401	8.3 %	✓	890.17 ± 71.13	584.46 ± 47.36	0.9842
13D07402	8.8 %	✓	682.71 ± 42.41	525.43 ± 33.25	0.9783
13D07404	9.3 %	✓	531.92 ± 27.39	462.74 ± 24.31	0.9753
13D07405	9.9 %	✓	414.71 ± 18.93	430.39 ± 20.08	0.9719
13D07406	10.5 %	✓	321.65 ± 13.00	396.63 ± 16.39	0.9679
13D07408	11.2 %	✓	269.75 ± 9.98	384.21 ± 14.54	0.9610
13D07409	11.9 %	✓	205.50 ± 7.49	364.52 ± 13.50	0.9644
13D07410	12.8 %	✓	167.45 ± 4.89	353.96 ± 10.43	0.9640
13D07412	13.9 %		140.08 ± 4.36	337.23 ± 10.57	0.9600
13D07413	15.2 %		111.95 ± 3.17	325.62 ± 9.18	0.9586
13D07414	16.7 %		78.88 ± 2.31	318.68 ± 9.12	0.9332
13D07416	18.2 %		49.18 ± 1.70	320.04 ± 10.03	0.8548
13D07417	19.7 %		23.45 ± 0.99	311.52 ± 9.03	0.6477
13D07419	21.2 %		18.09 ± 0.73	308.84 ± 7.27	0.5519

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**297.01 ± 5.18 ± 1.74%**	0.32624 ± 0.00419 ± 1.28%	**924.2 ± 12.2 ± 1.32%**	0.87 62%
			Full External Error ± 24.2	
			Analytical Error ± 11.9	

Statistics				
	2σ Confidence Limit	1.67	Convergence	0.000003165453
	Error Magnification	1.0000	Number of Iterations	40
	Number of Data Points	20	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D07374	1.8 %		0.0632848 ± 0.0003502	0.00315457 ± 0.00002601	0.0223
13D07376	2.0 %		0.1148806 ± 0.0008493	0.00310967 ± 0.00003876	0.0590
13D07377	2.2 %		0.2156603 ± 0.0016859	0.00294714 ± 0.00005067	0.1206
13D07378	2.4 %		0.4778693 ± 0.0028281	0.00267167 ± 0.00005319	0.1866
13D07380	2.7 %		0.8669210 ± 0.0056117	0.00213260 ± 0.00006302	0.1773
13D07381	3.0 %		1.4410594 ± 0.0090090	0.00156807 ± 0.00006196	0.1424
13D07382	3.3 %		1.7208224 ± 0.0154037	0.00135667 ± 0.00008327	0.1364
13D07384	3.6 %	✓	1.9907700 ± 0.0185234	0.00112144 ± 0.00008008	0.1241
13D07385	3.9 %	✓	2.1246835 ± 0.0190023	0.00094853 ± 0.00007754	0.1045
13D07386	4.2 %		2.0580954 ± 0.0122404	0.00095338 ± 0.00005351	0.0982
13D07388	4.5 %	✓	2.3474385 ± 0.0245590	0.00079872 ± 0.00009739	0.0825
13D07389	4.8 %	✓	2.3837295 ± 0.0181039	0.00071807 ± 0.00007004	0.0741
13D07390	5.1 %	✓	2.4902279 ± 0.0119014	0.00061922 ± 0.00004894	0.0550
13D07392	5.4 %	✓	2.4125857 ± 0.0272778	0.00077035 ± 0.00010406	0.0808
13D07393	5.7 %	✓	2.3829844 ± 0.0230428	0.00082827 ± 0.00008695	0.0885
13D07394	6.1 %	✓	2.2776584 ± 0.0211257	0.00091149 ± 0.00008797	0.0921
13D07396	6.5 %	✓	2.1441986 ± 0.0291127	0.00102807 ± 0.00011699	0.1149
13D07397	6.9 %	✓	1.9857531 ± 0.0267799	0.00114454 ± 0.00012288	0.1209
13D07398	7.3 %	✓	1.8484863 ± 0.0296498	0.00133376 ± 0.00014050	0.1456
13D07400	7.8 %	✓	1.7290508 ± 0.0257542	0.00139869 ± 0.00013457	0.1478
13D07401	8.3 %	✓	1.5230761 ± 0.0218717	0.00171099 ± 0.00013865	0.1670
13D07402	8.8 %	✓	1.2993296 ± 0.0170565	0.00190320 ± 0.00012045	0.1917
13D07404	9.3 %	✓	1.1494948 ± 0.0133471	0.00216102 ± 0.00011354	0.1992
13D07405	9.9 %	✓	0.9635705 ± 0.0105829	0.00232346 ± 0.00010838	0.2066
13D07406	10.5 %	✓	0.8109700 ± 0.0084298	0.00252126 ± 0.00010418	0.2123
13D07408	11.2 %	✓	0.7020887 ± 0.0073625	0.00260276 ± 0.00009847	0.2179
13D07409	11.9 %	✓	0.5637676 ± 0.0055388	0.00274336 ± 0.00010157	0.1917
13D07410	12.8 %	✓	0.4730767 ± 0.0037278	0.00282518 ± 0.00008324	0.1661
13D07412	13.9 %		0.4153871 ± 0.0036722	0.00296534 ± 0.00009295	0.1621
13D07413	15.2 %		0.3438015 ± 0.0027926	0.00307109 ± 0.00008658	0.1335
13D07414	16.7 %		0.2475129 ± 0.0026215	0.00313799 ± 0.00008981	0.1257
13D07416	18.2 %		0.1536798 ± 0.0027745	0.00312460 ± 0.00009797	0.0976
13D07417	19.7 %		0.0752873 ± 0.0024213	0.00321011 ± 0.00009302	0.0520
13D07419	21.2 %		0.0585741 ± 0.0019639	0.00323796 ± 0.00007627	0.0413

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	**296.92 ± 5.18** **± 1.75%**	0.32713 ± 0.00418 ± 1.28%	**926.7 ± 12.2** **± 1.32%** Full External Error ± 24.2 Analytical Error ± 11.8	0.86 63%

Statistics				
	2σ Confidence Limit	1.67	Convergence	0.0003036937
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	20	Calculated Line	Weighted York-2
	Spreading Factor	66.0%		

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
13D07374	1.8 %		0.6747532	0.41	0.0000000	0.00	0.0064044	7.59	0.0000000	0.00	24.0496	7.59	0.1261114	0.41	0.0000000	0.00	0.162857	0.32	0.0017268	14.90	0.0000000	0.00	13.5364	0.27	0.0162479	7.71	14.50755	5.67	199.38959	0.41	0.0000000	0.00	0.0517498	2.67
13D07376	2.0 %		0.2842996	0.61	0.0000000	0.00	0.0037568	13.02	0.0000000	0.00	14.1074	13.01	0.0531356	0.61	0.0000000	0.00	0.126360	0.39	0.0010129	18.27	0.0000000	0.00	10.5029	0.35	0.0095310	13.08	7.41385	7.08	84.01053	0.61	0.0000000	0.00	0.0401525	2.68
13D07377	2.2 %		0.1539582	0.84	0.0000000	0.00	0.0044876	10.53	0.0000000	0.00	16.8517	10.53	0.0287748	0.84	0.0000000	0.00	0.135542	0.37	0.0012100	16.59	0.0000000	0.00	11.2661	0.34	0.0113850	10.62	6.74514	5.85	45.49466	0.84	0.0000000	0.00	0.0430701	2.68
13D07378	2.4 %		0.1188844	0.97	0.0000000	0.00	0.0084014	5.75	0.0000000	0.00	31.5488	5.75	0.0222195	0.97	0.0000000	0.00	0.255831	0.24	0.0022652	14.05	0.0000000	0.00	21.2643	0.18	0.0213143	5.90	9.36784	3.79	35.13035	0.97	0.0000000	0.00	0.0812935	2.67
13D07380	2.7 %		0.0765109	1.45	0.0000000	0.00	0.0122777	3.83	0.0000000	0.00	46.1048	3.83	0.0142999	1.45	0.0000000	0.00	0.374192	0.21	0.0033103	13.38	0.0000000	0.00	31.1023	0.14	0.0311484	4.05	13.26780	2.59	22.60898	1.45	0.0000000	0.00	0.1189042	2.66
13D07381	3.0 %		0.0552842	1.95	0.0000000	0.00	0.0204035	2.45	0.0000000	0.00	76.6185	2.45	0.0103326	1.95	0.0000000	0.00	0.611251	0.19	0.0055012	13.05	0.0000000	0.00	50.8063	0.10	0.0517635	2.78	18.91976	1.77	16.33648	1.95	0.0000000	0.00	0.1942327	2.66
13D07382	3.3 %		0.0328914	3.04	0.0000000	0.00	0.0157878	3.11	0.0000000	0.00	59.2858	3.11	0.0061474	3.04	0.0000000	0.00	0.501933	0.20	0.0042567	13.19	0.0000000	0.00	41.7200	0.11	0.0400535	3.38	14.52480	2.16	9.71940	3.04	0.0000000	0.00	0.1594955	2.66
13D07384	3.6 %	✓	0.0258182	3.54	0.0000000	0.00	0.0172050	2.83	0.0000000	0.00	64.6077	2.83	0.0048254	3.54	0.0000000	0.00	0.551406	0.19	0.0046388	13.13	0.0000000	0.00	45.8321	0.10	0.0436490	3.12	15.39301	1.88	7.62928	3.54	0.0000000	0.00	0.1752161	2.66
13D07385	3.9 %	✓	0.0227341	4.06	0.0000000	0.00	0.0198074	2.46	0.0000000	0.00	74.3801	2.45	0.0042490	4.06	0.0000000	0.00	0.612663	0.19	0.0053405	13.05	0.0000000	0.00	50.9237	0.09	0.0502512	2.79	17.24972	1.70	6.71793	4.06	0.0000000	0.00	0.1946812	2.66
13D07386	4.2 %		0.0352191	2.79	0.0000000	0.00	0.0295189	1.70	0.0000000	0.00	110.8483	1.69	0.0065825	2.79	0.0000000	0.00	0.914707	0.18	0.0079589	12.93	0.0000000	0.00	76.0292	0.08	0.0748891	2.14	26.53426	1.17	10.40726	2.79	0.0000000	0.00	0.2906595	2.66
13D07388	4.5 %	✓	0.0163050	6.07	0.0000000	0.00	0.0170742	2.98	0.0000000	0.00	64.1163	2.97	0.0030474	6.07	0.0000000	0.00	0.576529	0.19	0.0046035	13.16	0.0000000	0.00	47.9203	0.10	0.0433169	3.25	15.59573	1.99	4.81814	6.07	0.0000000	0.00	0.1831994	2.66
13D07389	4.8 %	✓	0.0201824	4.86	0.0000000	0.00	0.0244429	2.10	0.0000000	0.00	91.7872	2.09	0.0037721	4.86	0.0000000	0.00	0.806056	0.18	0.0065903	12.99	0.0000000	0.00	66.9982	0.08	0.0620114	2.47	22.14256	1.39	5.96391	4.86	0.0000000	0.00	0.2561342	2.66
13D07390	5.1 %	✓	0.0290363	3.95	0.0000000	0.00	0.0460885	1.19	0.0000000	0.00	173.0698	1.19	0.0054269	3.95	0.0000000	0.00	1.404881	0.18	0.0124264	12.87	0.0000000	0.00	116.7718	0.07	0.1169260	1.77	38.31179	0.93	8.58022	3.95	0.0000000	0.00	0.4464186	2.66
13D07392	5.4 %	✓	0.0144557	6.73	0.0000000	0.00	0.0160105	3.22	0.0000005	######	60.1219	3.21	0.0027018	6.73	0.0000000	0.00	0.544671	0.19	0.0043168	13.22	0.0015143	######	45.2723	0.11	0.0406183	3.47	14.49339	2.11	4.27165	6.73	0.0000000	0.00	0.1730758	2.66
13D07393	5.7 %	✓	0.0183512	5.23	0.0000000	0.00	0.0195019	2.60	0.0000000	0.00	73.2327	2.60	0.0034298	5.23	0.0000000	0.00	0.635203	0.19	0.0052581	13.08	0.0000000	0.00	52.7972	0.10	0.0494760	2.92	16.73312	1.81	5.42277	5.23	0.0000000	0.00	0.2018435	2.66
13D07394	6.1 %	✓	0.0210055	4.80	0.0000000	0.00	0.0209624	2.60	0.0000000	0.00	78.7173	2.60	0.0039259	4.80	0.0000000	0.00	0.631499	0.19	0.0056519	13.08	0.0000000	0.00	52.4893	0.09	0.0531814	2.92	16.83817	1.88	6.20714	4.80	0.0000000	0.00	0.2006667	2.66
13D07396	6.5 %	✓	0.0160075	5.65	0.0000000	0.00	0.0135409	3.53	0.0000000	0.00	50.8482	3.53	0.0029918	5.65	0.0000000	0.00	0.401670	0.21	0.0036509	13.30	0.0000000	0.00	33.3863	0.13	0.0343530	3.77	10.84029	2.64	4.73021	5.65	0.0000000	0.00	0.1276357	2.66
13D07397	6.9 %	✓	0.0179947	5.33	0.0000000	0.00	0.0139349	3.74	0.0000000	0.00	52.3277	3.74	0.0033632	5.33	0.0000000	0.00	0.375614	0.21	0.0037571	13.35	0.0000000	0.00	31.2205	0.13	0.0353526	3.97	10.40481	2.90	5.31744	5.33	0.0000000	0.00	0.1193560	2.66
13D07398	7.3 %	✓	0.0178187	5.21	0.0000000	0.00	0.0116997	4.25	0.0000000	0.00	43.9344	4.25	0.0033303	5.21	0.0000000	0.00	0.297109	0.23	0.0031545	13.51	0.0000000	0.00	24.6953	0.17	0.0296821	4.45	8.09431	3.63	5.26542	5.21	0.0000000	0.00	0.0944100	2.67
13D07400	7.8 %	✓	0.0201632	4.76	0.0000000	0.00	0.0141861	3.49	0.0000020	606.96	53.2711	3.49	0.0037685	4.76	0.0000000	0.00	0.299879	0.23	0.0038249	13.29	0.0066807	606.96	24.9256	0.16	0.0359900	3.73	8.45752	3.57	5.95823	4.76	0.0000000	0.00	0.0952904	2.66
13D07401	8.3 %	✓	0.0255614	3.99	0.0000000	0.00	0.0142033	3.59	0.0000000	0.00	53.3356	3.59	0.0047774	3.99	0.0000000	0.00	0.273754	0.24	0.0038295	13.31	0.0000000	0.00	22.7540	0.17	0.0360335	3.83	7.38613	4.32	7.55340	3.99	0.0000000	0.00	0.0869887	2.67
13D07402	8.8 %	✓	0.0313550	3.10	0.0000000	0.00	0.0154346	3.18	0.0000211	53.93	57.9593	3.17	0.0058602	3.10	0.0000000	0.00	0.257540	0.24	0.0041615	13.21	0.0710340	53.94	21.4063	0.18	0.0391573	3.44	7.20951	4.24	9.26540	3.10	0.0000000	0.00	0.0818364	2.67
13D07404	9.3 %	✓	0.0410296	2.57	0.0000000	0.00	0.0201100	2.41	0.0000005	######	75.5164	2.41	0.0076684	2.57	0.0000000	0.00	0.262571	0.24	0.0054221	13.04	0.0015824	######	21.8245	0.18	0.0510189	2.75	6.86195	4.79	12.12424	2.57	0.0000000	0.00	0.0834352	2.67
13D07405	9.9 %	✓	0.0467958	2.27	0.0000000	0.00	0.0216523	2.28	0.0000085	134.00	81.3080	2.27	0.0087461	2.27	0.0000000	0.00	0.233484	0.25	0.0058379	13.02	0.0286343	134.00	19.4069	0.19	0.0549317	2.63	6.31243	5.25	13.82816	2.27	0.0000000	0.00	0.0741925	2.67
13D07406	10.5 %	✓	0.0550807	2.01	0.0000000	0.00	0.0293024	1.82	0.0000231	48.13	110.0352	1.81	0.0102946	2.01	0.0000000	0.00	0.213151	0.26	0.0079005	12.95	0.0775684	48.14	17.7168	0.21	0.0743398	2.24	5.57012	6.17	16.27633	2.01	0.0000000	0.00	0.0677314	2.67
13D07408	11.2 %	✓	0.0584690	1.83	0.0000000	0.00	0.0356654	1.45	0.0000032	376.48	133.9294	1.44	0.0109279	1.83	0.0000000	0.00	0.189751	0.29	0.0096161	12.90	0.0106019	376.48	15.7719	0.24	0.0904827	1.96	5.18661	6.43	17.27759	1.83	0.0000000	0.00	0.0602958	2.67
13D07409	11.9 %	✓	0.0688516	1.80	0.0000000	0.00	0.0443510	1.22	0.0000000	0.00	166.5454	1.21	0.0128684	1.80	0.0000000	0.00	0.170228	0.30	0.0119580	12.88	0.0000000	0.00	14.1492	0.26	0.1125181	1.79	4.75185	8.03	20.34564	1.80	0.0000000	0.00	0.0540922	2.67
13D07410	12.8 %	✓	0.0951848	1.44	0.0000000	0.00	0.0806422	0.84	0.0000097	121.82	302.8248	0.83	0.0177900	1.44	0.0000000	0.00	0.191759	0.29	0.0217428	12.85	0.0326533	121.83	15.9387	0.24	0.2045884	1.56	5.56454	7.52	28.12711	1.44	0.0000000	0.00	0.0609338	2.67
13D07412	13.9 %		0.0929022	1.53	0.0000000	0.00	0.0747525	0.88	0.0000037	306.26	280.7077	0.86	0.0173634	1.53	0.0000000	0.00	0.156569	0.33	0.0201548	12.85	0.0125136	306.26	13.0138	0.29	0.1896462	1.58	3.87672	11.18	27.45259	1.53	0.0000000	0.00	0.0497517	2.68
13D07413	15.2 %		0.1160351	1.38	0.0000000	0.00	0.1007096	0.77	0.0000074	155.08	378.1810	0.75	0.0216870	1.38	0.0000000	0.00	0.156281	0.34	0.0271534	12.84	0.0248889	155.08	12.9899	0.30	0.2554991	1.52	3.49469	13.89	34.28836	1.38	0.0000000	0.00	0.0496603	2.68
13D07414	16.7 %		0.1071617	1.40	0.0000000	0.00	0.0957645	0.77	0.0000068	163.32	359.6113	0.76	0.0200285	1.40	0.0000000	0.00	0.101692	0.46	0.0258201	12.84	0.0228375	163.32	8.4525	0.43	0.2429534	1.52	2.48352	18.31	31.66630	1.40	0.0000000	0.00	0.0323140	2.69
13D07416	18.2 %		0.0875366	1.52	0.0000000	0.00	0.0560413	1.04	0.0000008	######	210.4444	1.03	0.0163606	1.52	0.0000000	0.00	0.051798	0.84	0.0151099	12.86	0.0028437	######	4.3054	0.82	0.1421762	1.67	2.14827	18.97	25.86707	1.52	0.0000000	0.00	0.0164595	2.78
13D07417	19.7 %		0.0962822	1.41	0.0000000	0.00	0.0350012	1.55	0.0000132	83.86	131.4352	1.54	0.0179951	1.41	0.0000000	0.00	0.027167	1.58	0.0094370	12.91	0.0442816	83.87	2.2581	1.57	0.0887976	2.03	1.54205	26.82	28.45138	1.41	0.0000000	0.00	0.0086328	3.09
13D07419	21.2 %		0.1190432	1.14	0.0000000	0.00	0.0336006	1.58	0.0000088	130.76	126.1756	1.57	0.0222492	1.14	0.0000000	0.00	0.025908	1.66	0.0090594	12.92	0.0296236	130.77	2.1535	1.65	0.0852443	2.05	1.58757	26.17	35.17725	1.14	0.0000000	0.00	0.0082327	3.13
		Σ	2.7129625	0.26	0.0000000	0.00	0.9927235	0.32	0.0001092	39.45	3727.8388	0.31	0.5070527	0.26	0.0000000	0.00	12.531507	0.04	0.2676588	2.89	0.3672584	39.45	1041.6015	0.02	2.5185279	0.43	369.81140	0.60	801.68042	0.26	0.0000000	0.00	3.9820424	0.58
		Σ							3.7057952	0.21	3727.8388	0.31									13.673477	1.06			1044.1200	0.02							1175.4739	0.26

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D07374	1.8 %		15.786458	0.043600	1.774525	0.134809	0.050260	0.000243	182.832	37.105476	1.00129178	1.027E-11
13D07376	2.0 %		8.700618	0.032118	1.341977	0.174711	0.027402	0.000186	182.849	37.117693	1.00129190	4.390E-12
13D07377	2.2 %		4.636060	0.018097	1.494287	0.157478	0.014050	0.000116	182.858	37.124312	1.00129196	2.510E-12
13D07378	2.4 %		2.094346	0.006186	1.482163	0.085198	0.005980	0.000050	182.866	37.130423	1.00129202	2.140E-12
13D07380	2.7 %		1.156173	0.003730	1.480877	0.056722	0.002852	0.000032	182.883	37.143158	1.00129214	1.728E-12
13D07381	3.0 %		0.697047	0.002165	1.506516	0.036880	0.001488	0.000019	182.892	37.149782	1.00129220	1.702E-12
13D07382	3.3 %		0.584379	0.002597	1.419677	0.044166	0.001166	0.000021	182.901	37.155897	1.00129226	1.171E-12
13D07384	3.6 %	✓	0.505660	0.002333	1.408321	0.039819	0.000938	0.000017	182.918	37.168641	1.00129239	1.113E-12
13D07385	3.9 %	✓	0.474014	0.002101	1.459181	0.035833	0.000835	0.000015	182.926	37.174759	1.00129245	1.160E-12
13D07386	4.2 %		0.489227	0.001441	1.456536	0.024626	0.000851	0.000011	182.937	37.182409	1.00129252	1.787E-12
13D07388	4.5 %	✓	0.429431	0.002225	1.336768	0.039758	0.000696	0.000018	182.954	37.195161	1.00129264	9.887E-13
13D07389	4.8 %	✓	0.422942	0.001589	1.368727	0.028651	0.000665	0.000012	182.963	37.201795	1.00129271	1.361E-12
13D07390	5.1 %	✓	0.404987	0.000954	1.480637	0.017584	0.000643	0.000009	182.972	37.207918	1.00129276	2.272E-12
13D07392	5.4 %	✓	0.417941	0.002340	1.326817	0.042639	0.000672	0.000018	182.990	37.221701	1.00129290	9.090E-13
13D07393	5.7 %	✓	0.423068	0.002025	1.385759	0.036047	0.000716	0.000015	182.999	37.227828	1.00129296	1.073E-12
13D07394	6.1 %	✓	0.442422	0.002032	1.498165	0.038981	0.000799	0.000016	183.007	37.233956	1.00129301	1.116E-12
13D07396	6.5 %	✓	0.469714	0.003162	1.521462	0.053702	0.000884	0.000023	183.024	37.246727	1.00129314	7.535E-13
13D07397	6.9 %	✓	0.506836	0.003391	1.674173	0.062683	0.001022	0.000026	183.033	37.253369	1.00129320	7.604E-13
13D07398	7.3 %	✓	0.544152	0.004333	1.776927	0.075606	0.001194	0.000032	183.042	37.259501	1.00129326	6.458E-13
13D07400	7.8 %	✓	0.581336	0.004301	2.134128	0.074557	0.001376	0.000033	183.059	37.272281	1.00129338	6.965E-13
13D07401	8.3 %	✓	0.659345	0.004707	2.340298	0.084129	0.001745	0.000039	183.067	37.278416	1.00129344	7.213E-13
13D07402	8.8 %	✓	0.772038	0.005042	2.702632	0.085916	0.002183	0.000039	183.076	37.285064	1.00129350	7.947E-13
13D07404	9.3 %	✓	0.871733	0.005039	3.452094	0.083439	0.002795	0.000043	183.094	37.297852	1.00129363	9.153E-13
13D07405	9.9 %	✓	1.038690	0.005682	4.177823	0.095299	0.003517	0.000049	183.102	37.303992	1.00129369	9.703E-13
13D07406	10.5 %	✓	1.231746	0.006379	6.184823	0.112915	0.004744	0.000055	183.110	37.310132	1.00129375	1.052E-12
13D07408	11.2 %	✓	1.419998	0.007418	8.443228	0.123484	0.005935	0.000061	183.128	37.322929	1.00129387	1.081E-12
13D07409	11.9 %	✓	1.763579	0.008627	11.677831	0.144216	0.007938	0.000081	183.137	37.329585	1.00129393	1.207E-12
13D07410	12.8 %	✓	2.090808	0.008178	18.758517	0.162204	0.010892	0.000078	183.145	37.335730	1.00129399	1.620E-12
13D07412	13.9 %		2.376583	0.010417	21.260204	0.193174	0.012698	0.000102	183.162	37.348535	1.00129411	1.506E-12
13D07413	15.2 %		2.856297	0.011443	28.551939	0.229739	0.016364	0.000116	183.171	37.354683	1.00129417	1.816E-12
13D07414	16.7 %		3.931025	0.020360	41.356131	0.357740	0.023338	0.000178	183.180	37.361345	1.00129424	1.641E-12
13D07416	18.2 %		6.302727	0.055279	47.316756	0.614016	0.032283	0.000372	183.197	37.374159	1.00129436	1.346E-12
13D07417	19.7 %		12.783580	0.197917	56.003244	1.206544	0.055944	0.000996	183.206	37.380311	1.00129442	1.440E-12
13D07419	21.2 %		16.426006	0.264875	56.360871	1.260081	0.068188	0.001218	183.223	37.393131	1.00129454	1.765E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D07374	1.8 %	0.0209526 ± 0.0005318	0.0292662 ± 0.0373448	0.0237354 ± 0.0264321	0.0319839 ± 0.0248282	6.1214906 ± 0.1004836
13D07376	2.0 %	0.0211006 ± 0.0005318	0.0221462 ± 0.0373448	0.0160264 ± 0.0264321	0.0480809 ± 0.0248282	6.1662548 ± 0.1004836
13D07377	2.2 %	0.0211877 ± 0.0005318	0.0194462 ± 0.0373448	0.0135212 ± 0.0264321	0.0537065 ± 0.0248282	6.1896793 ± 0.1004836
13D07378	2.4 %	0.0212693 ± 0.0005318	0.0175749 ± 0.0373448	0.0120817 ± 0.0264321	0.0572702 ± 0.0248282	6.2103581 ± 0.1004836
13D07380	2.7 %	0.0214333 ± 0.0005318	0.0152951 ± 0.0373448	0.0112830 ± 0.0264321	0.0605454 ± 0.0248282	6.2493438 ± 0.1004836
13D07381	3.0 %	0.0215112 ± 0.0005318	0.0148251 ± 0.0373448	0.0117991 ± 0.0264321	0.0604669 ± 0.0248282	6.2668739 ± 0.1004836
13D07382	3.3 %	0.0215763 ± 0.0005318	0.0147407 ± 0.0373448	0.0127043 ± 0.0264321	0.0595569 ± 0.0248282	6.2810988 ± 0.1004836
13D07384	3.6 %	0.0216846 ± 0.0005318	0.0154010 ± 0.0373448	0.0155315 ± 0.0264321	0.0557604 ± 0.0248282	6.3039757 ± 0.1004836
13D07385	3.9 %	0.0217211 ± 0.0005318	0.0160134 ± 0.0373448	0.0171776 ± 0.0264321	0.0533185 ± 0.0248282	6.3114384 ± 0.1004836
13D07386	4.2 %	0.0217508 ± 0.0005318	0.0169541 ± 0.0373448	0.0193571 ± 0.0264321	0.0499560 ± 0.0248282	6.3173592 ± 0.1004836
13D07388	4.5 %	0.0217577 ± 0.0005318	0.0187445 ± 0.0373448	0.0229889 ± 0.0264321	0.0441337 ± 0.0248282	6.3185224 ± 0.1004836
13D07389	4.8 %	0.0217391 ± 0.0005318	0.0196898 ± 0.0373448	0.0247454 ± 0.0264321	0.0412383 ± 0.0248282	6.3147650 ± 0.1004836
13D07390	5.1 %	0.0217082 ± 0.0005318	0.0205222 ± 0.0373448	0.0262227 ± 0.0264321	0.0387633 ± 0.0248282	6.3086606 ± 0.1004836
13D07392	5.4 %	0.0215908 ± 0.0005318	0.0220991 ± 0.0373448	0.0288588 ± 0.0264321	0.0342289 ± 0.0248282	6.2859297 ± 0.1004836
13D07393	5.7 %	0.0215180 ± 0.0005318	0.0226103 ± 0.0373448	0.0296633 ± 0.0264321	0.0327900 ± 0.0248282	6.2720167 ± 0.1004836
13D07394	6.1 %	0.0214333 ± 0.0005318	0.0229743 ± 0.0373448	0.0302152 ± 0.0264321	0.0317584 ± 0.0248282	6.2559203 ± 0.1004836
13D07396	6.5 %	0.0212215 ± 0.0005318	0.0231862 ± 0.0373448	0.0305124 ± 0.0264321	0.0310084 ± 0.0248282	6.2160438 ± 0.1004836
13D07397	6.9 %	0.0210950 ± 0.0005318	0.0229735 ± 0.0373448	0.0302074 ± 0.0264321	0.0313833 ± 0.0248282	6.1923617 ± 0.1004836
13D07398	7.3 %	0.0209700 ± 0.0005318	0.0225677 ± 0.0373448	0.0296554 ± 0.0264321	0.0321851 ± 0.0248282	6.1690263 ± 0.1004836
13D07400	7.8 %	0.0206906 ± 0.0005318	0.0210550 ± 0.0373448	0.0277390 ± 0.0264321	0.0351628 ± 0.0248282	6.1170033 ± 0.1004836
13D07401	8.3 %	0.0205510 ± 0.0005318	0.0200067 ± 0.0373448	0.0264993 ± 0.0264321	0.0371450 ± 0.0248282	6.0910002 ± 0.1004836
13D07402	8.8 %	0.0203986 ± 0.0005318	0.0186396 ± 0.0373448	0.0249701 ± 0.0264321	0.0396207 ± 0.0248282	6.0625758 ± 0.1004836
13D07404	9.3 %	0.0201122 ± 0.0005318	0.0153679 ± 0.0373448	0.0216674 ± 0.0264321	0.0450437 ± 0.0248282	6.0088108 ± 0.1004836
13D07405	9.9 %	0.0199829 ± 0.0005318	0.0135211 ± 0.0373448	0.0200147 ± 0.0264321	0.0477884 ± 0.0248282	5.9842586 ± 0.1004836
13D07406	10.5 %	0.0198623 ± 0.0005318	0.0115153 ± 0.0373448	0.0183934 ± 0.0264321	0.0505003 ± 0.0248282	5.9610948 ± 0.1004836
13D07408	11.2 %	0.0196518 ± 0.0005318	0.0069111 ± 0.0373448	0.0153978 ± 0.0264321	0.0555740 ± 0.0248282	5.9193089 ± 0.1004836
13D07409	11.9 %	0.0195713 ± 0.0005318	0.0043451 ± 0.0373448	0.0142157 ± 0.0264321	0.0576165 ± 0.0248282	5.9022090 ± 0.1004836
13D07410	12.8 %	0.0195193 ± 0.0005318	0.0019111 ± 0.0373448	0.0134679 ± 0.0264321	0.0589457 ± 0.0248282	5.8899939 ± 0.1004836
13D07412	13.9 %	0.0194954 ± 0.0005318	0.0032203 ± 0.0373448	0.0133658 ± 0.0264321	0.0593289 ± 0.0248282	5.8780617 ± 0.1004836
13D07413	15.2 %	0.0195323 ± 0.0005318	0.0056382 ± 0.0373448	0.0142184 ± 0.0264321	0.0580237 ± 0.0248282	5.8800698 ± 0.1004836
13D07414	16.7 %	0.0196140 ± 0.0005318	0.0081633 ± 0.0373448	0.0159655 ± 0.0264321	0.0552421 ± 0.0248282	5.8888897 ± 0.1004836
13D07416	18.2 %	0.0199119 ± 0.0005318	0.0125433 ± 0.0373448	0.0222527 ± 0.0264321	0.0450091 ± 0.0248282	5.9283213 ± 0.1004836
13D07417	19.7 %	0.0201303 ± 0.0005318	0.0143216 ± 0.0373448	0.0268985 ± 0.0264321	0.0373722 ± 0.0248282	5.9592433 ± 0.1004836
13D07419	21.2 %	0.0207682 ± 0.0005318	0.0170633 ± 0.0373448	0.0406911 ± 0.0264321	0.0145521 ± 0.0248282	6.0527237 ± 0.1004836

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)
13D07374	1.8 %	0.6785054 ± 0.0019450	0.8403	EXP 150 of 150	0.6657152 ± 0.0304605	0.0364	EXP 150 of 150	0.2534199 ± 0.0277728	0.0047	EXP 150 of 150	13.4858330 ± 0.0254419	0.9110	EXP 150 of 150	220.515085 ± 0.039652	0.9986	EXP 150 of 150
13D07376	2.0 %	0.2991747 ± 0.0013464	0.6060	EXP 150 of 150	0.3953626 ± 0.0309889	0.0050	EXP 150 of 150	0.1438259 ± 0.0283010	0.0007	EXP 150 of 150	10.4838348 ± 0.0260216	0.8428	EXP 149 of 150	97.820908 ± 0.036094	0.9855	EXP 150 of 150
13D07377	2.2 %	0.1741428 ± 0.0009484	0.3641	EXP 150 of 150	0.4651847 ± 0.0283507	0.0200	EXP 150 of 150	0.0897837 ± 0.0258107	0.0156	EXP 150 of 150	11.2488979 ± 0.0271470	0.8625	EXP 150 of 150	58.581224 ± 0.031781	0.6953	EXP 150 of 150
13D07378	2.4 %	0.1441442 ± 0.0007963	0.3027	EXP 150 of 150	0.8519216 ± 0.0297015	0.0496	EXP 150 of 150	0.2145417 ± 0.0259555	0.0035	EXP 149 of 150	21.1876674 ± 0.0256930	0.9649	EXP 149 of 150	50.882504 ± 0.028703	0.0130	EXP 149 of 150
13D07380	2.7 %	0.1071451 ± 0.0007797	0.0012	EXP 150 of 150	1.2341775 ± 0.0271470	0.0587	EXP 150 of 150	0.3345079 ± 0.0278753	0.0002	EXP 149 of 150	30.9669656 ± 0.0301743	0.9773	EXP 150 of 150	42.319844 ± 0.029183	0.7402	EXP 150 of 150
13D07381	3.0 %	0.0945761 ± 0.0007322	0.0006	EXP 149 of 150	2.0400425 ± 0.0305770	0.1436	EXP 150 of 150	0.5530932 ± 0.0246653	0.0171	EXP 150 of 150	50.5476614 ± 0.0295191	0.9920	EXP 150 of 150	41.791039 ± 0.029158	0.8324	EXP 149 of 150
13D07382	3.3 %	0.0685685 ± 0.0006391	0.0213	EXP 150 of 150	1.5815517 ± 0.0300601	0.0180	EXP 150 of 150	0.4307709 ± 0.0262075	0.0000	EXP 150 of 150	41.5150216 ± 0.0303602	0.9874	EXP 150 of 150	30.735526 ± 0.030761	0.9443	EXP 150 of 150
13D07384	3.6 %	0.0632169 ± 0.0005140	0.0473	EXP 150 of 150	1.7222769 ± 0.0290352	0.0855	EXP 150 of 150	0.5119788 ± 0.0255337	0.0123	EXP 150 of 150	45.5969073 ± 0.0265352	0.9923	EXP 150 of 150	29.549699 ± 0.029182	0.9535	EXP 150 of 150
13D07385	3.9 %	0.0627884 ± 0.0005297	0.0346	EXP 150 of 150	1.9807435 ± 0.0285053	0.1354	EXP 150 of 150	0.5663219 ± 0.0277832	0.0167	EXP 150 of 150	50.6554613 ± 0.0260140	0.9938	EXP 150 of 150	30.523989 ± 0.029866	0.9459	EXP 149 of 150
13D07386	4.2 %	0.0842454 ± 0.0005993	0.0076	EXP 149 of 150	2.9443784 ± 0.0280948	0.2355	EXP 150 of 150	0.8123974 ± 0.0281509	0.0106	EXP 150 of 150	75.5989570 ± 0.0287061	0.9966	EXP 150 of 150	43.626929 ± 0.032791	0.6860	EXP 150 of 150
13D07388	4.5 %	0.0539802 ± 0.0006197	0.0366	EXP 150 of 150	1.7114281 ± 0.0324010	0.1133	EXP 150 of 150	0.5202905 ± 0.0251003	0.0228	EXP 150 of 150	47.6579442 ± 0.0292292	0.9914	EXP 150 of 150	26.958410 ± 0.029882	0.9548	EXP 150 of 150
13D07389	4.8 %	0.0648180 ± 0.0005982	0.0926	EXP 150 of 150	2.4424600 ± 0.0315435	0.0815	EXP 150 of 150	0.7431588 ± 0.0251665	0.0379	EXP 150 of 150	66.6123618 ± 0.0275052	0.9960	EXP 150 of 150	34.736324 ± 0.027147	0.9215	EXP 149 of 150
13D07390	5.1 %	0.0942296 ± 0.0007894	0.0000	EXP 150 of 150	4.5880376 ± 0.0300574	0.4589	EXP 150 of 150	1.3231815 ± 0.0275900	0.0686	EXP 149 of 150	116.0749365 ± 0.0324994	0.9982	EXP 150 of 150	53.745487 ± 0.035016	0.1339	EXP 150 of 150
13D07392	5.4 %	0.0510016 ± 0.0005889	0.0483	EXP 150 of 150	1.6081984 ± 0.0335287	0.0438	EXP 150 of 150	0.5176829 ± 0.0294770	0.0112	EXP 150 of 150	45.0165991 ± 0.0292874	0.9900	EXP 150 of 150	25.263405 ± 0.028014	0.9609	EXP 150 of 150
13D07393	5.7 %	0.0580593 ± 0.0005708	0.0190	EXP 149 of 150	1.9542738 ± 0.0318350	0.0550	EXP 150 of 150	0.5847569 ± 0.0280019	0.0085	EXP 150 of 150	52.4939650 ± 0.0280771	0.9933	EXP 150 of 150	28.676229 ± 0.030830	0.9358	EXP 150 of 150
13D07394	6.1 %	0.0619469 ± 0.0006146	0.0173	EXP 150 of 150	2.0989641 ± 0.0372601	0.0680	EXP 150 of 150	0.5716827 ± 0.0286260	0.0004	EXP 149 of 150	52.1910326 ± 0.0270835	0.9938	EXP 150 of 150	29.550211 ± 0.029477	0.9324	EXP 149 of 150
13D07396	6.5 %	0.0497459 ± 0.0005113	0.1004	EXP 149 of 150	1.3637315 ± 0.0280455	0.0491	EXP 150 of 150	0.2998637 ± 0.0282880	0.0294	EXP 150 of 150	33.2078467 ± 0.0284865	0.9832	EXP 150 of 150	21.946815 ± 0.026432	0.9681	EXP 150 of 150
13D07397	6.9 %	0.0519181 ± 0.0005600	0.1081	EXP 150 of 150	1.4022778 ± 0.0348044	0.0496	EXP 150 of 150	0.3440366 ± 0.0263956	0.0012	EXP 150 of 150	31.0592524 ± 0.0251238	0.9841	EXP 150 of 150	22.066893 ± 0.027539	0.9654	EXP 150 of 150
13D07398	7.3 %	0.0494654 ± 0.0005326	0.1110	EXP 150 of 150	1.1804435 ± 0.0314323	0.0093	EXP 150 of 150	0.2423905 ± 0.0270922	0.0063	EXP 150 of 150	24.5767909 ± 0.0291223	0.9671	EXP 150 of 150	19.651129 ± 0.030279	0.9654	EXP 150 of 150
13D07400	7.8 %	0.0538515 ± 0.0005812	0.1015	EXP 150 of 150	1.4245152 ± 0.0307337	0.1131	EXP 150 of 150	0.2826315 ± 0.0300852	0.0017	EXP 150 of 150	24.8146358 ± 0.0262579	0.9734	EXP 150 of 150	20.658203 ± 0.030710	0.9591	EXP 150 of 150
13D07401	8.3 %	0.0589377 ± 0.0006594	0.0195	EXP 150 of 150	1.4249333 ± 0.0330182	0.0469	EXP 150 of 150	0.2488193 ± 0.0255008	0.0001	EXP 150 of 150	22.6609864 ± 0.0264511	0.9685	EXP 150 of 150	21.148757 ± 0.028013	0.9610	EXP 149 of 150
13D07402	8.8 %	0.0655871 ± 0.0006004	0.0122	EXP 150 of 150	1.5450882 ± 0.0296936	0.0876	EXP 150 of 150	0.3095480 ± 0.0270653	0.0402	EXP 149 of 150	21.3286845 ± 0.0260187	0.9642	EXP 150 of 150	22.653737 ± 0.027403	0.9567	EXP 150 of 150
13D07404	9.3 %	0.0791335 ± 0.0007139	0.0229	EXP 150 of 150	2.0035299 ± 0.0279543	0.2930	EXP 148 of 150	0.2522379 ± 0.0281847	0.0001	EXP 150 of 150	21.7610206 ± 0.0274720	0.9623	EXP 150 of 150	25.118077 ± 0.029951	0.9337	EXP 150 of 150
13D07405	9.9 %	0.0860672 ± 0.0007196	0.0106	EXP 149 of 150	2.1538085 ± 0.0288583	0.1294	EXP 150 of 150	0.2533559 ± 0.0271497	0.0079	EXP 149 of 150	19.3676345 ± 0.0246334	0.9627	EXP 149 of 150	26.241061 ± 0.026028	0.9409	EXP 150 of 150
13D07406	10.5 %	0.1013434 ± 0.0007423	0.0803	EXP 150 of 150	2.9075166 ± 0.0333288	0.1750	EXP 149 of 150	0.2868012 ± 0.0256802	0.0482	EXP 150 of 150	17.7118790 ± 0.0236803	0.9580	EXP 150 of 150	27.920832 ± 0.028773	0.9073	EXP 150 of 150
13D07408	11.2 %	0.1105271 ± 0.0006964	0.0987	EXP 150 of 150	3.5305733 ± 0.0284866	0.3638	EXP 150 of 150	0.2028394 ± 0.0292278	0.0023	EXP 150 of 150	15.8022072 ± 0.0269331	0.9311	EXP 150 of 150	28.490625 ± 0.029166	0.8874	EXP 150 of 150
13D07409	11.9 %	0.1288510 ± 0.0008971	0.1264	EXP 150 of 150	4.3853484 ± 0.0286812	0.3717	EXP 150 of 150	0.1428446 ± 0.0284797	0.0105	EXP 150 of 150	14.2152540 ± 0.0249547	0.9310	EXP 149 of 150	31.106077 ± 0.030435	0.8245	EXP 150 of 150
13D07410	12.8 %	0.1892625 ± 0.0009209	0.4960	EXP 150 of 150	7.9664530 ± 0.0325191	0.6429	EXP 150 of 150	0.2472988 ± 0.0289402	0.0000	EXP 150 of 150	16.0845034 ± 0.0273037	0.9304	EXP 149 of 150	39.712735 ± 0.029820	0.1274	EXP 150 of 150
13D07412	13.9 %	0.1813437 ± 0.0010159	0.4492	EXP 150 of 150	7.3770943 ± 0.0317515	0.6310	EXP 150 of 150	0.1907471 ± 0.0269785	0.0084	EXP 150 of 150	13.1664461 ± 0.0263523	0.9117	EXP 149 of 150	37.322343 ± 0.031090	0.3472	EXP 150 of 150
13D07413	15.2 %	0.2287730 ± 0.0011294	0.5633	EXP 150 of 150	9.9357871 ± 0.0341182	0.7319	EXP 150 of 150	0.2130222 ± 0.0272569	0.0002	EXP 150 of 150	13.2067667 ± 0.0278051	0.8987	EXP 150 of 150	43.791420 ± 0.029224	0.3420	EXP 150 of 150
13D07414	16.7 %	0.2155145 ± 0.0010225	0.5772	EXP 150 of 150	9.4434257 ± 0.0320048	0.7152	EXP 150 of 150	0.1523613 ± 0.0254551	0.0024	EXP 150 of 150	8.6872836 ± 0.0253958	0.7987	EXP 150 of 150	40.142075 ± 0.032452	0.0340	EXP 150 of 150
13D07416	18.2 %	0.1585151 ± 0.0009661	0.3719	EXP 150 of 150	5.5166274 ± 0.0298851	0.5354	EXP 150 of 150	0.0628227 ± 0.0269806	0.0001	EXP 150 of 150	4.4601291 ± 0.0246277	0.5268	EXP 150 of 150	34.018381 ± 0.028066	0.5490	EXP 150 of 150
13D07417	19.7 %	0.1468769 ± 0.0010240	0.2922	EXP 150 of 150	3.4384108 ± 0.0326006	0.2146	EXP 150 of 150	0.0707921 ± 0.0254047	0.0123	EXP 150 of 150	2.3671724 ± 0.0248339	0.0893	EXP 150 of 150	36.023667 ± 0.029246	0.2961	EXP 150 of 150
13D07419	21.2 %	0.1681307 ± 0.0010181	0.3743	EXP 150 of 150	3.2963658 ± 0.0315218	0.1856	EXP 150 of 150	0.0451038 ± 0.0276429	0.0047	EXP 150 of 150	2.2369294 ± 0.0250128	0.1191	EXP 150 of 150	42.902218 ± 0.031115	0.4750	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D07374	1.8 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07376	2.0 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07377	2.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07378	2.4 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07380	2.7 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07381	3.0 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07382	3.3 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07384	3.6 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07385	3.9 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07386	4.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07388	4.5 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07389	4.8 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07390	5.1 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07392	5.4 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07393	5.7 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07394	6.1 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07396	6.5 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07397	6.9 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07398	7.3 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07400	7.8 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07401	8.3 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07402	8.8 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07404	9.3 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07405	9.9 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07406	10.5 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07408	11.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07409	11.9 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07410	12.8 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07412	13.9 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07413	15.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07414	16.7 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07416	18.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07417	19.7 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	01
13D07419	21.2 %	Andrea Balbas	13-OSU-05	0.00	0.00	60.70	Galapagos\Balbas (13-19)	13D07373	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
13D07374	1.8 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	17	34	1
13D07376	2.0 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	17	58	1
13D07377	2.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	18	11	1
13D07378	2.4 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	18	23	1
13D07380	2.7 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	18	48	1
13D07381	3.0 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	19	1	1
13D07382	3.3 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	19	13	1
13D07384	3.6 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	19	38	1
13D07385	3.9 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	19	50	1
13D07386	4.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	20	5	1
13D07388	4.5 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	20	30	1
13D07389	4.8 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	20	43	1
13D07390	5.1 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	20	55	1
13D07392	5.4 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	21	22	1
13D07393	5.7 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	21	34	1
13D07394	6.1 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	21	46	1
13D07396	6.5 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	22	11	1
13D07397	6.9 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	22	24	1
13D07398	7.3 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	22	36	1
13D07400	7.8 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	23	1	1
13D07401	8.3 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	23	13	1
13D07402	8.8 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	23	26	1
13D07404	9.3 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	21	DEC	2013	23	51	1
13D07405	9.9 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	0	3	1
13D07406	10.5 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	0	15	1
13D07408	11.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	0	40	1
13D07409	11.9 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	0	53	1
13D07410	12.8 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	1	5	1
13D07412	13.9 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	1	30	1
13D07413	15.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	1	42	1
13D07414	16.7 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	1	55	1
13D07416	18.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	2	20	1
13D07417	19.7 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	2	32	1
13D07419	21.2 %	44A-Argon-2	Groundmass	Floreana Island	FCT-NM	28.201	0.082	Kuiper et al (2008)	10.03039	0.162	0.00156698	0.162	302.784	0.095	0.99397804	0.063	1	4.8E-14	22	DEC	2013	2	57	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
13D07374	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07376	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07377	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07378	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07380	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07381	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07382	3.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07384	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07385	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07386	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07388	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07389	4.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07390	5.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07392	5.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07393	5.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07394	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07396	6.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07397	6.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07398	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07400	7.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07401	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07402	8.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07404	9.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07405	9.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07406	10.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07408	11.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07409	11.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07410	12.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07412	13.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07413	15.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07414	16.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07416	18.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07417	19.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D07419	21.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

OSU Argon Geochronology Lab
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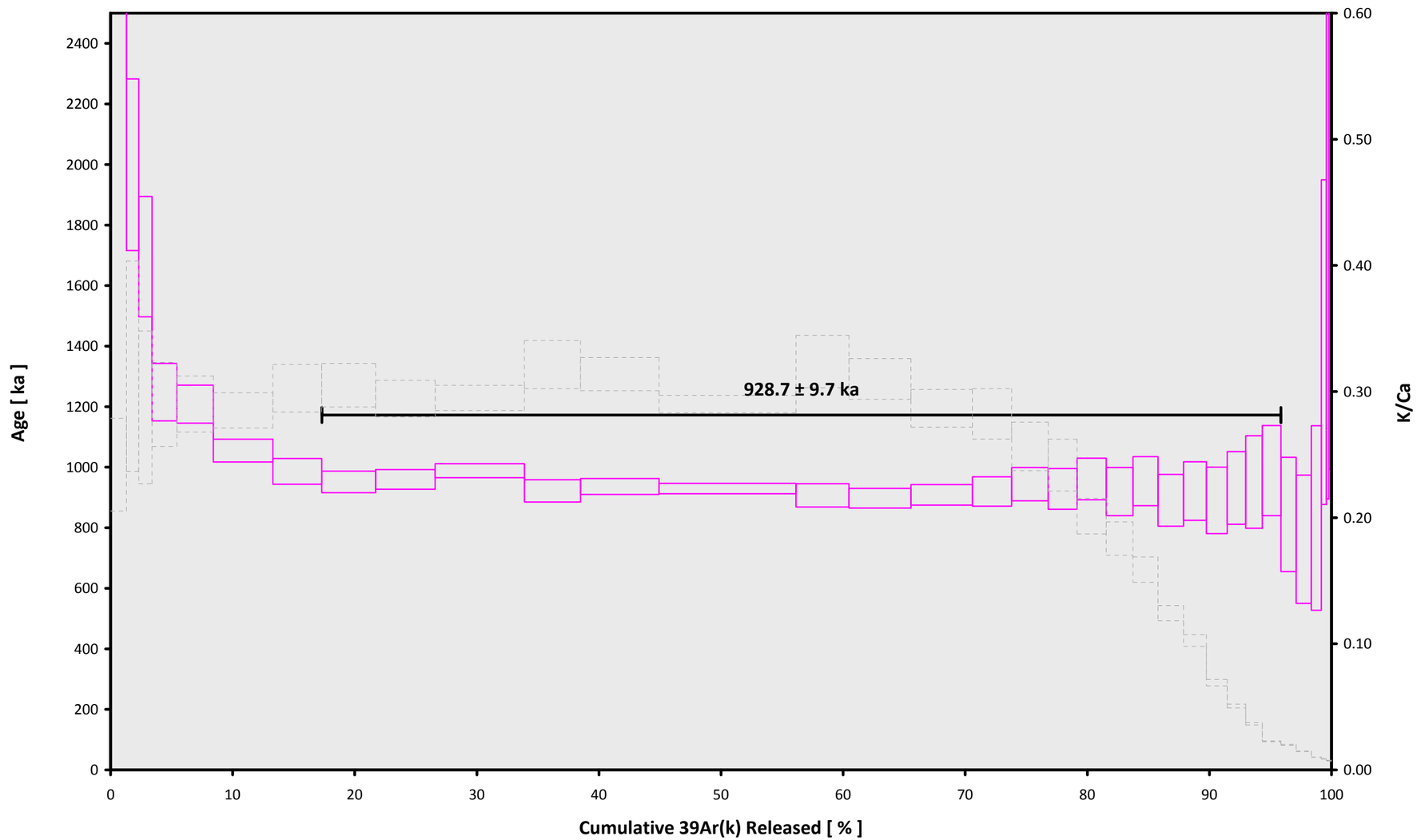

Ar-Ages in ka

WEIGHTED PLATEAU
928.7 ± 9.7
TOTAL FUSION
1005.8 ± 12.5
NORMAL ISOCHRON
924.2 ± 12.2
INVERSE ISOCHRON
926.7 ± 12.2

MSWD (PROBABILITY)
0.83 (67%)

Sample Info

Groundmass
Floreana Island
Andrea Balbas

IRR = 13-OSU-05
J = 0.00156698 ± 0.00000254

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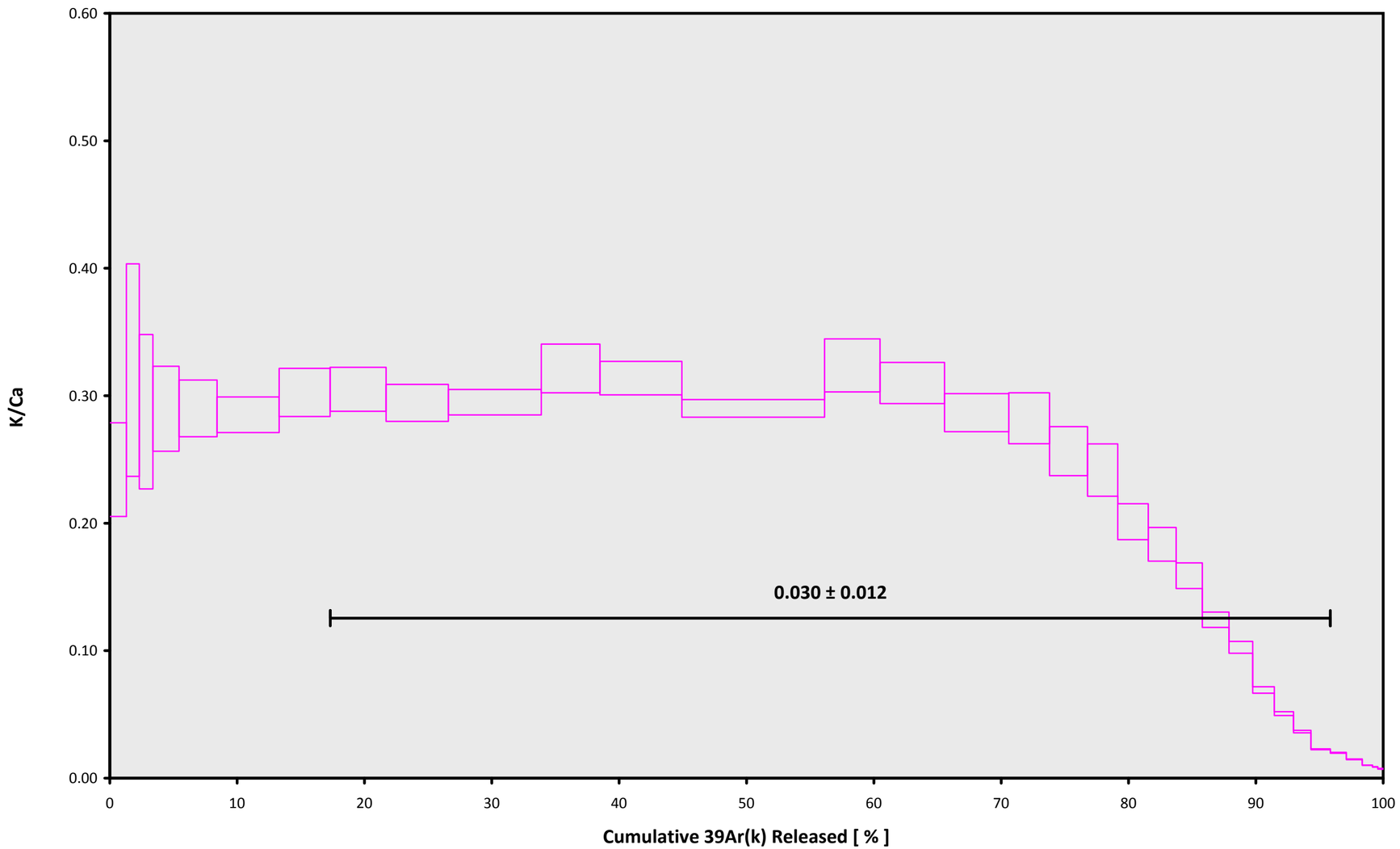

Ar-Ages in ka

WEIGHTED PLATEAU
928.7 ± 9.7
TOTAL FUSION
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NORMAL ISOCHRON
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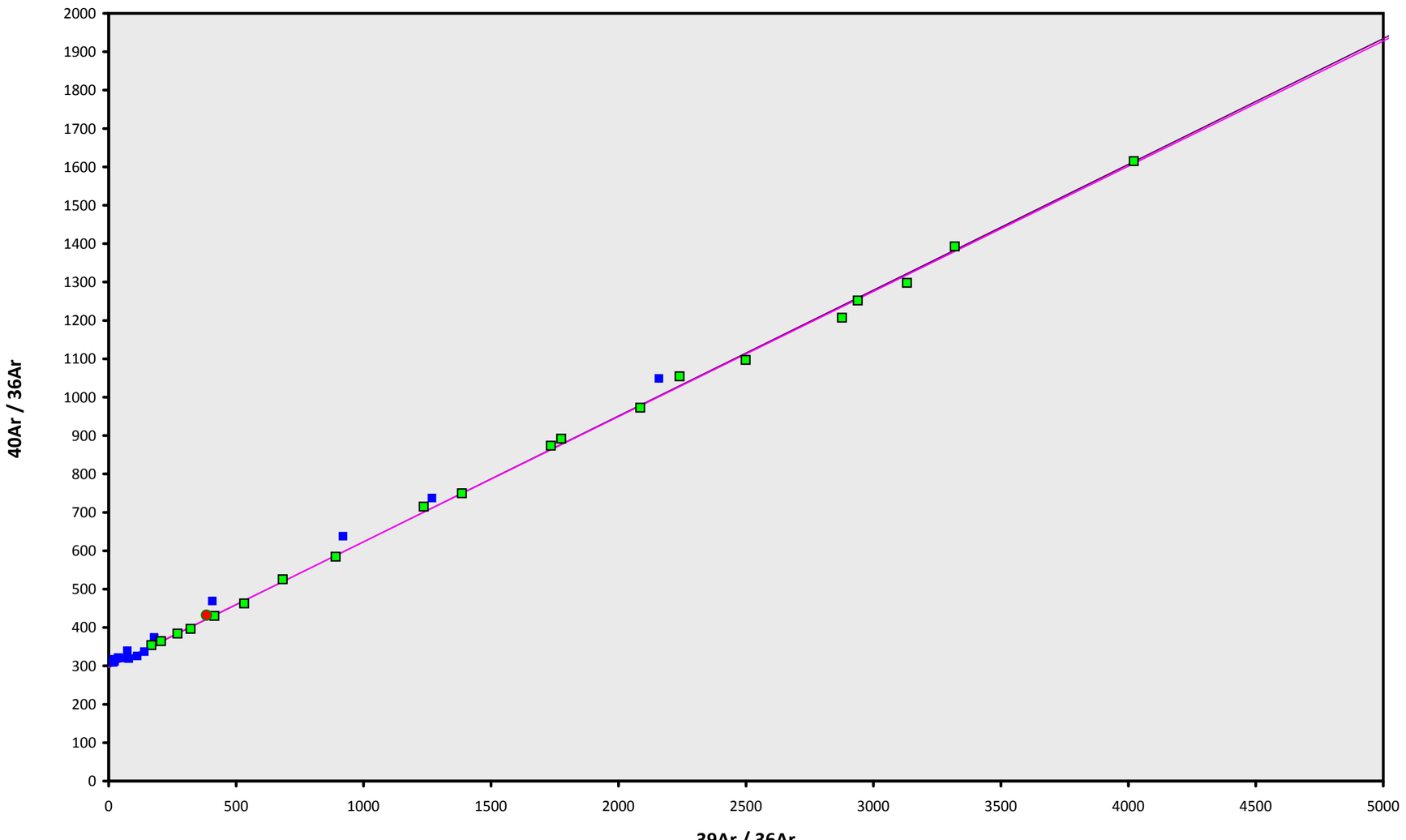


Ar-Ages in ka

WEIGHTED PLATEAU
928.7 ± 9.7
TOTAL FUSION
1005.8 ± 12.5
NORMAL ISOCHRON
924.2 ± 12.2
INVERSE ISOCHRON
926.7 ± 12.2

MSWD (PROBABILITY)
0.87 (62%)

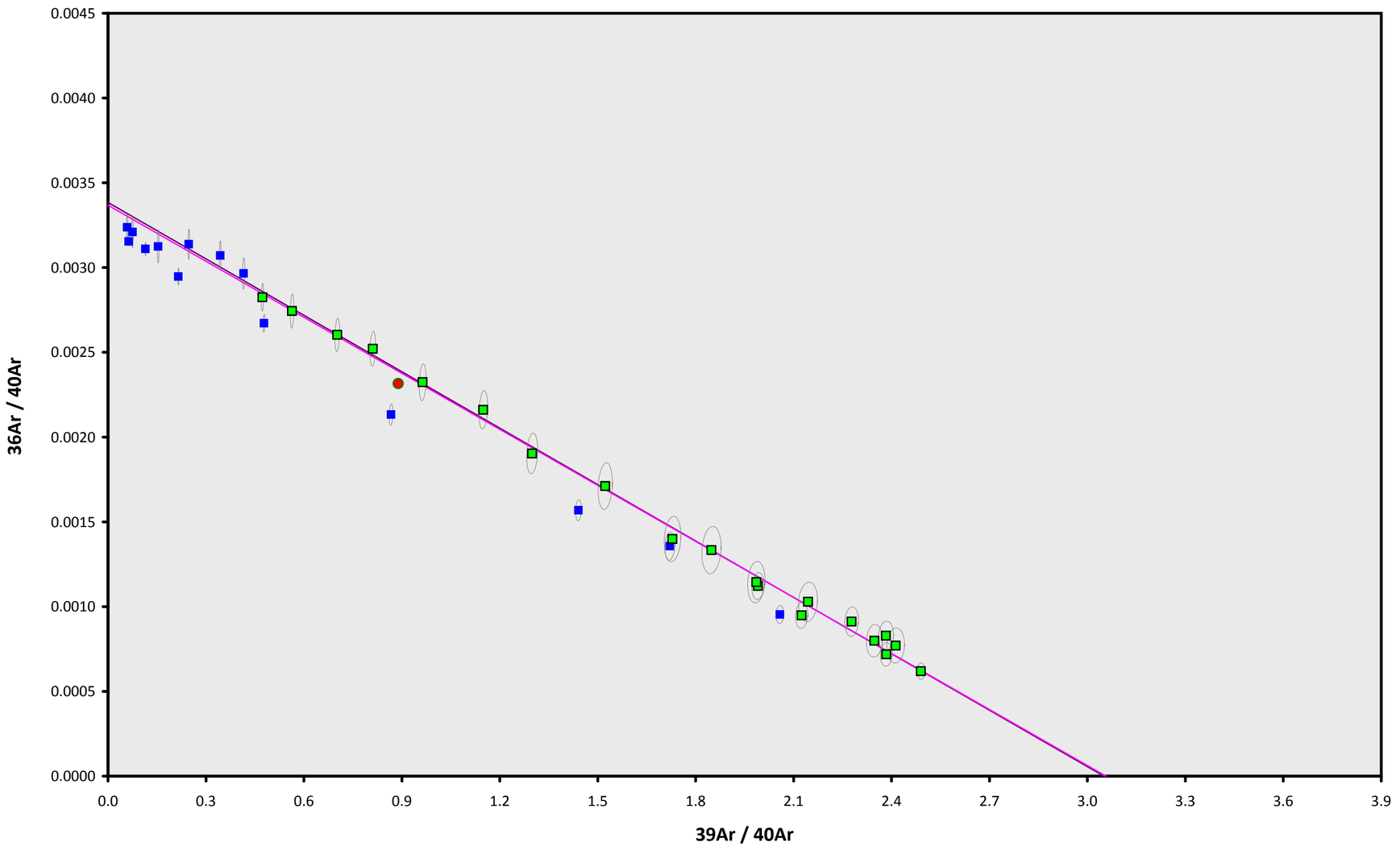
40AR/36AR INTERCEPT
297.0 ± 5.2

Sample Info

Groundmass
Floreana Island
Andrea Balbas

IRR = 13-OSU-05
J = 0.00156698 ± 0.00000254

13D07373.AGE >>> 44A-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
928.7 ± 9.7
TOTAL FUSION
1005.8 ± 12.5
NORMAL ISOCHRON
924.2 ± 12.2
INVERSE ISOCHRON
926.7 ± 12.2

MSWD (PROBABILITY)
0.86 (63%)

SPREADING FACTOR
66.0%

40AR/36AR INTERCEPT
296.9 ± 5.2

Sample Info

Groundmass
Floreana Island
Andrea Balbas

IRR = 13-OSU-05
J = 0.00156698 ± 0.00000254