

$\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ values

depth [feet]	depth [m]	$\delta^{13}\text{C}$ [‰ PDB]	$\delta^{18}\text{O}$ [‰ PDB]	depth [feet]	depth [m]	$\delta^{13}\text{C}$ [‰ PDB]	$\delta^{18}\text{O}$ [‰ PDB]
Birba-2 (A3C)				Birba-5 (A4C)			
9631.5	2935.7	3.28	-3.35	10006.0	3049.8	2.54	-3.52
9626.2	2934.1	3.41	-2.49	10000.0	3048.0	-1.01	-2.88
9622.7	2933.0	3.37	-2.02	9998.1	3047.4	-3.84	-3.22
9618.9	2931.8	3.40	-0.76	9996.9	3047.1	-4.36	-2.94
9610.0	2929.1	3.46	-0.87	9995.0	3046.5	-4.78	-2.73
9605.2	2927.7	3.36	-1.91	9987.2	3044.1	-3.98	-3.66
9600.9	2926.4	3.26	-2.23	9981.2	3042.3	-3.62	-4.22
9598.9	2925.7	3.09	-3.26	9971.5	3039.3	-3.04	-4.28
9595.6	2924.7	3.15	-1.93	9963.0	3036.7	-3.23	-4.54
9591.4	2923.5	3.44	-1.64	9962.2	3036.5	-3.26	-3.82
9582.0	2920.6	3.49	-2.11	9958.7	3035.4	-3.16	-3.76
9574.7	2918.4	3.54	-2.05	9957.5	3035.0	-3.36	-4.18
Birba-4 (A4C)				9951.0	3033.1	-3.08	-4.04
9688.3	2953.0	1.78	-4.39	9946.2	3031.6	-3.12	-4.06
9680.8	2950.7	-1.16	-2.75	9940.9	3030.0	-2.78	-3.91
9679.1	2950.2	-4.11	-3.53	9938.0	3029.1	-2.58	-3.78
9674.5	2948.8	-4.41	-3.85	9932.7	3027.5	-2.58	-4.00
9672.3	2948.1	-4.04	-3.64	9927.8	3026.0	-2.60	-3.81
9666.9	2946.5	-3.93	-5.12	9921.1	3024.0	-2.57	-3.66
9663.2	2945.3	-4.03	-4.96	9915.5	3022.2	-2.35	-3.84
9653.9	2942.5	-3.36	-3.52	9912.0	3021.2	-2.51	-3.91
9650.6	2941.5	-3.20	-4.44	9899.9	3017.5	-2.25	-3.76
9647.8	2940.6	-3.08	-4.84	9887.2	3013.6	-2.35	-3.84
9643.9	2939.5	-3.00	-3.86	9872.5	3009.1	-1.96	-3.94
9639.5	2938.1	-3.02	-4.16	9862.1	3006.0	-2.37	-3.15
9633.9	2936.4	-2.78	-4.02	9856.2	3004.2	-2.18	-3.91
9625.2	2933.8	-3.04	-4.70	9853.0	3003.2	-2.16	-3.96
9619.7	2932.1	-2.78	-3.59	9850.8	3002.5	-1.60	-4.13
9614.8	2930.6	-2.62	-3.41	9848.0	3001.7	-1.58	-4.04
9610.4	2929.2	-2.20	-2.22	9845.2	3000.8	-2.47	-4.07
9602.9	2927.0	-2.53	-1.29	9843.5	3000.3	-2.54	-4.02
9593.2	2924.0	-2.65	-1.36	Birba North-1 (A3C and A5C)			
9581.6	2920.5	-2.61	-1.67	12467.7	3800.2	3.14	-0.50
9580.8	2920.2	-2.11	-1.20	12466.2	3799.7	3.23	-1.04
9579.9	2920.0	-2.38	-1.24	12459.6	3797.7	3.33	-2.04
9572.5	2917.7	-2.42	-1.26	12442.2	3792.4	3.21	-0.79
9564.1	2915.1	-2.46	-1.27	12435.2	3790.2	3.61	2.19
9560.6	2914.1	-2.45	-1.15	12430.3	3788.8	3.53	0.78
9543.6	2908.9	-2.48	-0.97	12425.3	3787.2	3.42	-0.45
9540.8	2908.0	-2.52	-1.19	12417.6	3784.9	3.51	0.46
9536.0	2906.6	-2.47	-0.97	12054.5	3674.2	2.66	4.04
9531.0	2905.0	-2.51	-0.92	12043.5	3670.9	2.69	4.16
				12042.5	3670.6	3.20	1.93
				12041.3	3670.2	2.86	-0.01
				12039.0	3669.5	3.15	0.31
				12024.7	3665.1	3.38	0.52
				12016.4	3662.6	3.01	1.59
				12015.0	3662.2	3.62	1.42

				12005.9	3659.4	2.30	0.46
				12003.4	3658.6	1.74	1.89
depth	depth	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$	depth	depth	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$
[feet]	[m]	[‰ PDB]	[‰ PDB]	[feet]	[m]	[‰ PDB]	[‰ PDB]
Dasimi-1 (A5C)				Sabsab-1 (ctnd.)			
3930.25	1197.94	2.03	-1.86	9103	2774.6	1.17	-3.87
3930.25	1197.94	2.60	-3.09	9100	2773.7	3.07	-0.58
3930.25	1197.94	2.86	-3.47	9097	2772.8	3.11	0.56
3930.00	1197.864	2.33	-2.94	9095	2772.2	2.92	-0.88
3928.95	1197.544	2.83	-4.51	9093	2771.5	2.1	-3.49
3928.77	1197.489	2.92	-4.24	9090	2770.6	3.26	-0.94
3928.10	1197.285	2.76	-4.09	9086	2769.4	1.97	-2.54
3927.10	1196.98	2.29	-2.97	9082	2768.2	2.76	-1.16
3926.13	1196.684	2.70	-3.70	9078.4	2767.1	2.85	1.02
3925.20	1196.401	2.48	-2.99	9074	2765.8	2.29	-2.9
3924.95	1196.325	2.36	-2.95	9052.8	2759.3	0.15	-2.04
3923.90	1196.005	2.40	-2.90	9020	2749.3	1.21	-4.27
3922.70	1195.639	2.51	-5.06	8987.2	2739.3	3.28	-4.7
Dhababan South-3 (A1C)				8954.4	2729.3	2.34	-5.16
9849.4	3002.1	2.48	-2.17	8921.6	2719.3	3.87	-4.41
9846.2	3001.1	2.49	-1.83	8856	2699.3	3.44	-4
9844.4	3000.6	2.85	-0.99	8823.2	2689.3	3.61	-4.24
9842.2	2999.9	3.07	-0.82	8757.6	2669.3	1.37	-3.16
9839.7	2999.1	2.43	-1.30	8708.4	2654.3	1.48	-5.22
9835.0	2997.7	2.33	-1.50	8636.2	2632.3	1.01	-4.82
9834.3	2997.5	2.92	0.34	8609.8	2624.3	1.89	-2.29
9829.7	2996.1	2.33	-1.48	8608	2623.7	2.31	-1.57
9738.6	2968.3	2.66	-0.93	8605.8	2623.0	2.32	-2.27
9725.8	2964.4	2.49	-2.18	8602	2621.9	2.33	-1.52
9719.0	2962.4	2.67	-1.90	8600	2621.3	2.54	-1.21
9714.6	2961.0	2.96	-0.95	8597.8	2620.6	1.5	-4.01
9709.0	2959.3	0.66	-2.44	8594	2619.5	1.91	-2.86
9703.2	2957.5	2.81	0.30	8592	2618.8	2.3	-1.92
Sabsab-1 (A1C-A2C)				8589.7	2618.1	2.61	-0.44
9971.2	3039.2	2.44	-5.08	8588.3	2617.7	1.72	-4.32
9938.4	3029.2	2.28	-5.03	8586	2617.0	2.7	-1.34
9905.6	3019.2	2.11	-4.86	8583.7	2616.3	2.54	-1.5
9872.8	3009.2	2.52	-5.37	8580	2615.2	2.79	-1.72
9774.4	2979.2	2.12	-4.62	8104	2470.1	2.2	-1.81
9741.6	2969.2	1.7	-5.52	8100	2468.9	1.1	-1.69
9676	2949.2	2.47	-4.72	8098	2468.3	1.82	-0.53
9636.6	2937.2	1.91	-5.23	8096	2467.7	2.02	-2.02
9587.4	2922.2	2.59	-5.06	8092	2466.4	1.85	-1.89
9512	2899.3	3	-5.24	8090.2	2465.9	1.97	-1.03
9479.2	2889.3	2.48	-4.51	8089	2465.5	1.65	-1.45
9446.4	2879.3	3.28	-3.69	8087	2464.9	1.94	-1.4
9380.8	2859.3	2.27	-5.66	8085	2464.3	1.85	-1.32
9348	2849.3	2.32	-5.15	8083	2463.7	2.18	-1.88
9315.2	2839.3	1.63	-4.64	8081	2463.1	2.16	-2.35
9282.4	2829.3	3.23	-4.49	8078	2462.2	1.81	-1.83
9249.6	2819.3	2.32	-5.25	8076.5	2461.7	1.95	-0.9
9216.8	2809.3	-0.78	-3.89	8074	2461.0	1.54	-1.86
9184	2799.3	2.29	-4.48	8072	2460.3	1.91	-1.79
9151.2	2789.3	-0.62	-4.12	8070	2459.7	2.1	-1.82
9118.4	2779.3	-0.17	-3.83	8066.8	2458.8	2.33	-2.1

depth [feet]	depth [m]	$\delta^{13}\text{C}$ [‰ PDB]	$\delta^{18}\text{O}$ [‰ PDB]	depth [feet]	depth [m]	$\delta^{13}\text{C}$ [‰ PDB]	$\delta^{18}\text{O}$ [‰ PDB]
Sabsab-1 (ctnd.)				Thamoud-6 (ctnd.)			
8064.2	2458.0	1.86	-2.25	2270	691.9	-0.39	-1.53
8061	2457.0	1.81	-1.54	2265	690.4	0.59	-2.44
8058.1	2456.1	1.09	-2.41	2260	688.8	0.87	-2.51
8055.5	2455.3	1.1	-2.43	2260	688.8	1.01	-2.86
8053	2454.6	2.33	-2	2255	687.3	1.27	-2.76
8051	2453.9	2.27	-2.48	2250	685.8	0.19	-1.78
8049.1	2453.4	2.32	-1.36	2240	682.8	0.17	-1.69
8047	2452.7	2.2	-1.57	2230	679.7	1.61	-2.86
8045.8	2452.4	2.38	-1.04	2220	676.7	1.84	-2.83
8043	2451.5	1.82	-1.76	2210	673.6	1.71	-2.44
8039.5	2450.4	0.83	-2.79	2200	670.6	1.59	-3.74
8037.2	2449.7	1.32	-3.27	2190	667.5	-0.21	-6.56
7884.5	2403.2	2.49	-1.28	2189	667.2	0.98	-3.15
7883	2402.7	2.7	-1.88	2180	664.5	2.6	-3.27
7880	2401.8	2.79	-1.7	2174	662.6	1.73	-3.62
7878	2401.2	3.04	-1.51	2170	661.4	2.75	-2.86
7876.3	2400.7	2.46	-1.52	2160	658.4	2.66	-2.53
7874	2400.0	3.03	0.54	2158	657.8	1.16	-1.94
7873	2399.7	2.58	-1.04	2150	655.3	1.87	-3.3
7872	2399.4	2.45	-1.56	2140	652.3	1.73	-3.08
7871	2399.1	1.89	-2.65	2130	649.2	1.13	-3.98
7870	2398.8	2.24	-1.34	2120	646.2	-2.95	-3.09
7869	2398.5	2.24	-1.57	2110	643.1	-3.09	-2.84
7868	2398.2	2.17	-1.19	2104	641.3	-3.73	-1.25
7867	2397.9	2.21	-0.53	2100	640.1	-3.53	-2.21
7866	2397.6	2.6	-0.24	2092	637.6	-2.75	-2.15
7865	2397.3	2.18	-1.2	2090	637.0	-2.89	-2.82
7864	2396.9	1.96	-1.85	2084	635.2	-2.68	-2.1
7862	2396.3	1.64	-2.42	2080	634.0	-2.06	-2.72
7861	2396.0	1.69	-1.66	2078	633.4	-2.9	-3.04
7860	2395.7	0.73	-3.42	2074	632.2	2.23	-2.05
7858.8	2395.4	1.04	-2.22	2070	630.9	2.02	-2.9
7857.1	2394.8	0.89	-1.87	2060	627.9	2.54	-3.33
Thamoud-6				2050	624.8	2.7	-3.45
2380	725.4	-5.02	-4.71	2050	624.8	2.49	-3.72
2370	722.4	-2.57	-3.65	2040	621.8	2.78	-3.73
2369	722.1	-0.73	-5.09	2030	618.7	2.48	-3.59
2365	720.9	-1.73	-4.31	2020	615.7	2.78	-3.02
2361	719.6	-6.03	-0.38	2010	612.6	2.69	-3.53
2360	719.3	-1.92	-3.99	2000	609.6	2.55	-3.3
2355	717.8	-5.21	-1.26	1995	608.1	1.56	-4.16
2350	716.3	-4.69	-1.37	1990	606.6	2.28	-3.13
2340	713.2	-0.92	-3.49	1980	603.5	2.15	-3.34
2330	710.2	-0.84	-3.5	1977	602.6	2.41	-3.57
2320	707.1	-1.3	-3.13	1970	600.5	1.79	-3.77
2310	704.1	-1.27	-2.87	1960	597.4	0.93	-2.74
2305	702.6	-3.83	0.38	1958	596.8	1.95	-3.86
2300	701.0	-0.89	-2.94	1950	594.4	-0.23	-1.13
2290	698.0	-2.54	-3.49	1949	594.1	0.17	-3.71
2290	698.0	-1.01	-2.23	1943	592.2	-0.69	-2.08
2280	694.9	0.03	-1.91	1940	591.3	-1.94	-1.91
depth	depth	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$	depth	depth	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$

[feet]	[m]	[‰ PDB]	[‰ PDB]	[feet]	[m]	[‰ PDB]	[‰ PDB]
Thamoud-6 (ctnd.)				Thamoud-6 (ctnd.)			
1930	588.3	2.08	-3.3	1810	551.7	-2.18	-6.23
1927	587.3	0.97	-3.73	1800	548.6	-0.64	-5.9
1920	585.2	2.36	-3.39	1790	545.6	-0.14	-5.74
1910	582.2	2.58	-3.02	1780	542.5	0.51	-5.28
1900	579.1	2.23	-3.16	1770	539.5	0.5	-5.38
1890	576.1	2.79	-2.97	1768	538.9	1.21	-3.41
1880	573.0	3.25	-3.15	1760	536.4	1.57	-5.74
1870	570.0	2.42	-3.29	1757	535.5	-1.78	-5.74
1863	567.8	-0.22	-5.52	1750	533.4	-0.01	-5.04
1860	566.9	0.4	-4.04	1740	530.4	0.32	-5.44
1850	563.9	-0.93	-4.86	1730	527.3	0.74	-5.14
1840	560.8	-2.91	-4.87	1720	524.3	0.76	-6.47
1830	557.8	-0.98	-6.17	1710	521.2	-0.28	-8.19
1820	554.7	-1.19	-5.28				

U-Pb data

Sample Fractions	Concentrations				Ratios										Age (Ma)			
	Weight (μg)	U (ppm)	Pb (ppm)	Pb _c (pg)	206Pb/204Pb	206Pb/208Pb	206Pb/238U	207Pb/235U	207Pb/206Pb	207Pb/206Pb	207Pb/238U	207Pb/235U	206Pb/238U	206Pb/207Pb	207Pb/206Pb	corr. Pb*		
	(a)	(b)	(c)	(d)	(e)	(d)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(f)		
BB-5																		
z14	1.70	359	31.3	3.7	953.2	0.099	0.087744	(22)	0.7062	(43)	0.05837	(35)	542.2	543.7	542.5	543.7	1.9	0.572 14.4
z6	3.50	376	33.0	4.0	1893.1	0.103	0.087659	(26)	0.7058	(32)	0.05840	(19)	541.7	544.7	542.3	544.7	1.0	0.808 29.1
z17	1.80	420	41.5	7.0	617.0	0.193	0.087674	(43)	0.7057	(53)	0.05838	(29)	541.8	543.9	542.2	543.9	1.6	0.836 10.2
z21	2.50	433	37.5	3.3	1886.4	0.089	0.087695	(12)	0.7056	(18)	0.05835	(13)	541.9	543.1	542.1	543.1	0.7	0.681 28.6
z32	1.10	251	21.7	0.9	1785.4	0.087	0.087717	(15)	0.7055	(21)	0.05833	(14)	542.0	542.3	542.1	542.3	0.8	0.747 27.0
z24	7.40	230	20.6	3.0	3229.5	0.130	0.087728	(08)	0.7054	(10)	0.05831	(06)	542.1	541.6	542.0	541.6	0.3	0.819 51.0
z31	0.90	239	21.0	0.9	1395.1	0.105	0.087764	(11)	0.7052	(21)	0.05828	(14)	542.3	541.9	542.0	541.9	0.7	0.773 21.4
z3	2.00	404	34.6	1.6	2917.7	0.080	0.087569	(11)	0.7046	(19)	0.05836	(15)	541.1	541.5	541.5	541.5	0.8	0.618 44.1
z29	2.20	284	24.2	1.3	2683.7	0.071	0.087590	(09)	0.7046	(12)	0.05834	(08)	541.3	541.5	542.5	542.5	0.4	0.755 40.2
z16	6.50	291	25.8	7.2	1468.2	0.096	0.087529	(23)	0.7040	(28)	0.05833	(17)	540.9	541.2	542.2	542.2	0.9	0.808 22.7
z30	1.90	132	11.5	1.2	1219.2	0.101	0.087422	(23)	0.7032	(30)	0.05834	(18)	540.3	540.7	542.5	542.5	1.0	0.803 18.6
z12	1.10	904	77.3	4.3	1309.0	0.076	0.087129	(35)	0.7009	(52)	0.05834	(36)	538.5	539.3	539.3	542.6	2.0	0.721 19.6
z19	4.00	269	23.4	3.2	1888.2	0.105	0.087081	(17)	0.7006	(36)	0.05835	(31)	538.2	543.0	539.2	543.0	1.7	0.498 29.0
z4	4.70	307	26.4	2.6	3128.2	0.092	0.086855	(09)	0.6985	(15)	0.05833	(11)	536.9	542.2	537.9	542.2	0.6	0.644 47.8
z22	3.30	355	30.1	5.1	1288.1	0.064	0.086559	(29)	0.6963	(34)	0.05834	(17)	535.2	542.6	536.6	542.6	0.9	0.869 19.2
z1	1.50	453	39.1	4.2	912.3	0.107	0.085556	(50)	0.6883	(57)	0.05834	(25)	529.2	531.7	531.7	542.7	1.4	0.895 13.9
z23	3.50	356	29.6	3.0	2289.6	0.079	0.085025	(10)	0.6842	(19)	0.05836	(16)	526.0	543.4	529.3	543.4	0.9	0.560 34.5
Mkz-11b																		
z9	2.00	156	14.4	1.2	1448.4	0.161	0.087785	(17)	0.7061	(23)	0.05834	(15)	542.4	542.4	542.4	542.4	0.8	0.774 23.3
z11	2.10	261	23.8	0.9	3641.3	0.147	0.087708	(08)	0.7056	(13)	0.05835	(10)	542.0	542.1	542.1	542.8	0.5	0.671 58.4
z12	1.50	109	9.8	0.8	1188.2	0.132	0.087676	(20)	0.7056	(36)	0.05837	(29)	541.8	543.5	542.1	543.5	1.6	0.616 18.6
z13	1.50	236	22.3	0.7	2773.4	0.194	0.087714	(10)	0.7056	(14)	0.05834	(19)	542.0	542.1	542.1	542.1	0.5	0.766 46.1
z10	2.00	173	16.1	2.5	813.9	0.178	0.087625	(25)	0.7052	(32)	0.05837	(19)	541.5	543.6	541.9	543.6	1.1	0.799 13.1
z4	5.60	417	38.7	4.2	3099.0	0.169	0.087642	(14)	0.7050	(15)	0.05834	(08)	541.6	541.8	541.8	541.8	0.3	0.913 50.8
z6	3.10	445	41.7	2.1	3714.9	0.186	0.087582	(10)	0.7045	(14)	0.05834	(10)	541.2	541.5	541.5	542.5	0.6	0.688 61.5
z3	3.20	477	44.2	1.5	5707.0	0.178	0.087149	(09)	0.7018	(12)	0.05840	(08)	538.7	544.9	539.8	544.9	0.4	0.771 94.0
z5	6.00	316	29.4	4.4	2388.7	0.176	0.086885	(18)	0.6990	(22)	0.05835	(12)	537.1	543.0	536.2	543.0	0.6	0.840 39.4
z1	1.60	680	61.1	2.2	2790.0	0.151	0.086414	(10)	0.6954	(12)	0.05836	(07)	534.3	543.4	536.0	543.4	0.4	0.800 44.8
z7	2.81	246	22.4	3.0	1279.1	0.167	0.086183	(20)	0.6932	(26)	0.05834	(16)	532.9	542.5	531.7	542.5	0.9	0.786 20.6
z8	2.50	309	27.6	1.6	2618.4	0.156	0.085206	(18)	0.6858	(21)	0.05837	(09)	527.1	543.9	530.3	543.9	0.5	0.900 42.2

(a) Sample weights are estimated by using a video monitor and are known to within 40%.

(b) Total common-Pb in analyses.

(c) Measured ratio corrected for spike and fractionation only.

(d) Radiogenic Pb.

(e) Corrected for fractionation, spike, blank, and initial common Pb.

Mass fractionation correction of $0.15\%/amu \pm 0.04\%/amu$ (atomic mass unit) was applied to single-collector Daly analyses and $0.12\%/amu \pm 0.04\%$ for dynamic Faraday-Daly analyses. Total procedural blank less than 0.6 pg for Pb and less than 0.1 pg for U.

Blank isotopic composition: $^{206}\text{Pb}/^{204}\text{Pb} = 19.10 \pm 0.1$, $^{207}\text{Pb}/^{204}\text{Pb} = 15.71 \pm 0.1$, $^{208}\text{Pb}/^{204}\text{Pb} = 38.65 \pm 0.1$.

Age calculations are based on the decay constants of Jaffey et al. (1971).

Common-Pb corrections were calculated by using the model of Stacey and Kramers (1975) and the interpreted age of the sample.

Uncertainty associated with the assumed common-Pb isotopic composition is minor relative to the reported errors due to the high radiogenic/common-Pb ratio of all analyses.

Corr. coef. = correlation coefficient.

(f) Ratio of radiogenic Pb to common-Pb.

(g) Zircons were separated by standard crushing, heavy liquid, and magnetic separation techniques. Zircons with the lowest magnetic susceptibilities were chosen for further study.

All zircons were air-abraded, washed in 3M HNO_3 at 50°C for 2 hours, and ultrasonicated for an additional 30 minutes. After photographing to estimate sample weights, zircons were loaded into 300 μl Teflon FEP microcapsules, washed again in 150 μl 3M HNO_3 at 50°C for 12 hours, and finally rinsed with four capsule volumes of high-purity H_2O . Zircons were dissolved in 120 μl 29M HF with a trace of HNO_3 at 220°C for 48 hours with a mixed ^{205}Pb - ^{233}U - ^{235}U tracer, dried to salts, and redissolved in 120 μl 6M HCl at 180°C overnight. Pb and U were separated using HCl-based anion-exchange procedures modified after Krogh (1973). Separated Pb and U were analyzed by conventional thermal-ionization mass spectrometry on the MIT VG Sector 54 multicollector mass spectrometer. Lead and uranium were loaded with a silica gel-phosphoric acid mixture on previously degassed single Re filaments, and its isotopes measured by peak-jumping all ion beams into the axial Daly detector in ion-counting mode. Uranium was measured in static mode on three Faraday cups with an average ^{235}U ion beam of 3×10 - 13 A. Pb isotopic fractionation was monitored throughout the course of the study by daily analysis of the NBS-981 common Pb standard; uranium fractionation was monitored and corrected using the double spike. Total common Pb in all analyses ranged from 0.7 to 7 pg a mean and 2s s.d. of 3.5 pg \pm 40% was used to reduce all zircon data. For total common Pb less than 3.5 pg, it is assumed to be all blank. U blanks were negligible relative to sample contents, with a nominal value of 0.1 pg \pm 50% used in error propagation for each analysis.

References:

1. Stacey, J.S. and Kramers, J.D., 1975, Approximation of terrestrial lead isotope evolution by a two-stage model: *Earth and Planetary Science Letters*, v. 26, p. 207-221.
2. Jaffey, A.H., Flynn, K.F., Glendenin, L.E., Bentley, W.C., and Essling, A.M., 1971, Precision measurement of half-lives and specific activities of ^{235}U and ^{238}U : *Physical Review C*, v. 4, p. 1889-1906.