

UWA-SHRIMP DATA LOG

Date: 11/12/99 UWA Mount No.: 99-24 Whose sample?: AGSO Operator(s): IRF+AR

Indicate any change to the following: ¹⁹⁹~~198~~ 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 ✓ 10 ✓ 10 ✓ 10/20 ✓ 30/10 ✓ 10 ✓ 5 5 2

Phanerozoic* Delay time (secs): 8 ✓ 3 ✓ 1 ✓ 2 ✓ 1 ✓ 1 ✓ 3 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4980

aperture = 100 microns retardation lens = 0 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: ¹⁹⁹~~198~~-204 = 4.138 204-bkg = 0.045 204-206 = ~~2.002~~

206-207 = ~~0.9995~~ 1.0005 206-208 = ~~1.999~~ 2.001

Primary-epoxy = nA Primary-CZ3 = nA PESABM-CZ3 = pA

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Making NO₂⁻ 1° beam. ; C, D, E

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO ₂	²⁰⁰ 196 cps	206 cps	UO ₂ ppm Kcps	204Pb cps	f ₂₀₆ %	Age ±1σ (Ma)	Offsets OK?	
									206/208 / 270	207/206	
	Kh.1-1	12:23	0.73	2205	1491	12.0	0.5	.6	.1238	450	✓
	Kh.3-1	12:43	0.80	2044	991	7.4	0.8	1.3	.1340	485	✓
	E.1-4	13:03	0.75	2459	2675	3.6	0.9	.47	.7357	2721	✓
	E.2-4	13:21	.78	2620	1334	1.8	0.8	.74	.7278	2622	✓
	Kn.1-2	13:51	.77	2378	1458	12.1	0.4	.30	¹³⁰⁶ .7252	564	✓
	E3-2	14:11	.80	2244	1149	14	1.6	1.8	.8080	2558	✓
	E4-2	14:28	.68	2350	1516	1.9	1.1	.92	.7855	2625	✓
	E1-1	14:46	.75	2907	2872	4.2	1.1	.44	.6774	2630	✓

misslabbed on sheet
34 →

lot scan

E
C
misslabbed
9924 EC-11

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ₂ ²⁰⁰ 196 Kcps	206 cps	U ₂ ^{204Pb} ppm cps	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	<i>mislabelled</i> 9924C-2-1 → C-2-1	15:10	* .77 2457	956	1.4	0.5 .64	* .6625 2610	✓
	Kh-3-2	15:30	.79 2190	920	7.2	0.9 1.2	.1269 498	✓
	C-3-1	15:53	.73 2754	1038	1.5	0.4 .51	.6811 2590	✓
	C-4-1	16:15	.76 2665	1325	2.0	0.6 .60	.6608 2645	✓
	D-1-1	16:39	.72 2450	1219	1.8	0.5 .60	.6872 2616	✓
	D-2-1	16:57	.75 2740	1361	2.0	0.5 .46	.6923 2641	✓
	D-3-1	17:17	.75 2880	637	.9	0.5 .86	.6918 2599	✓
	Kh-2-1	17:37	.70 2013	1253	10.1	1.4 .48	.1233 558	✓
	^{1st} 760 D-4-1	17:55	.75 2836	1223	1.8	0.3 .19	.6810 2627	✓
	D-5-1	18:13	.76 2622	1895	2.5	0.7 .47	.7376 2558	✓
	D-6-1	18:30	.73 3005	1993	2.9	0.7 .49	.6830 2594	✓
	D-7-1	18:48	.76 2156	2186	2.9	0.3 .15	.7593 2637	✓
	Kh-4-1	19:07	.70 2166	1380	11.5	0.4 .48	.1296 517	✓
	D-8-1	19:26	.74 2802	1261	1.8	0.6 .54	.6853 2590	✓
	D-9-1	19:49	.80 2372	1887	2.5	0.9 .64	.7544 2586	✓
	D-10-1	20:09	.79 2572	1423	1.9	0.4 .41	.7201 2628	✓
	D-11-1	20:30	.75 2403	1488	2.1	0.4 .21	.7102 2622	✓
	Kh-4-2	20:48	.72 2124	1475	12.1	0.6 .58	.1215 477	✓
	^{1st} scan D-12-1	21:07	.75 2719	1368	2.0	0.4 .36	.6913 2623	✓
	D-13-1	21:36	.71 ²³⁹⁸ 1029 1029	1029	1.6	0.4 .47	.6468 2645	✓
	D-15-1	21:54	.74 2761	1795	2.6	0.8 .52	.6882 2612	✓
	D-14-1	22:11	.74 2961	1608	2.3	0.6 .41	.6857 2811	✓
	→ Kh-4-3	22:30	.71 1804	1359	11.0	0.6 .59	.1239 397	✓
	D-16	22:49	.78 2614	1347	1.9	0.5 .47	.7273 2614	✓
	D-17	23:15	.78 2479	1259	1.7	0.5 .47	.7341 2577	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	UO2 ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	D18-1	23:34	.75	2110	1354	1.9	0.5	.49	.6977	2604	✓
	D19-1	00:01	.77	2790	1950	2.8	1.0	.68	.7035	2619	✓
	D20-1	00:24	.79	2227	1537	2.1	0.5	.37	.7407	2580	✓
	Kh2-2	00:42	.74	2394	1418	11.2	0.6	.67	.1268	420	✓
	D21-1	1:10	.77	2102	919	1.2	0.3	.29	.7551	2608	✓
	C5-1	1:44	.73	3210	2353	3.6	0.5	.27	.6532	2635	✓
	C6-1	2:05	.71	3131	1724	2.6	0.6	.41	.7103	2685	✓
	C7-1	2:25	.76	2991	2168	3.3	0.8	.34	.6602	2642	✓
	C8-1	2:41	.75	2780	2300	3.5	0.8	.30	.6611	2612	✓
	Kh2-3	3:19	.76	2992	1507	2.2	0.6	.41	.6897	2610	✓
	C9-1	2:59	.74	2208	1321	10.1	0.6	.71	.1212	457	✓
	C10-1	3:40	.69	3097	1551	2.6	0.5	.39	.599	2660	✓
	C11-1	3:59	.72	3120	1454	2.2	0.7	.55	.660	2671	✓
	C12-1	4:19	.73	3029	1808	2.7	0.5	.34	.677	2672	✓
	C13-1	4:37	.72	2781	1690	2.6	0.6	.48	.663	2651	✓
	Kh2-4	4:55	.71	1825	1146	9.3	0.5	.68	.1226	445	✓
	C14-1	5:17	.71	3143	2486	3.6	0.5	.24	.667	2656	✓
	C15-1	5:38	.71	3157	1934	3.1	0.5	.25	.626	2628	✓
	C16-1	6:00	.73	3722	1793	3.0	0.5	.33	.603	2644	✓
	C17-1	6:22	.74	2883	2236	3.3	0.6	.34	.678	2653	✓
	C18-1	6:42	.71	2688	1753	2.7	1.3	.93	.651	2610	✓
	Kh2-5	7:00	.68	1801	1138	9.6	0.4	.49	.676	530	✓
	C19-1	7:28	.71	3695	1345	2.4	0.6	.57	.569	2587	✓
	C20-1	7:45	.73	2644	2473	3.7	0.7	.38	.668	2649	✓
	C21-1	8:04	.73	2657	1564	2.5	0.3	.21	.629	2648	✓

D
C

1st scan

(2+TlO)

1st scan

May have
bad conductivity
see photo

1st scan

