

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 6/3/98 UWA Mount No.: 97-48 Whose sample?: JD Operator(s): MW + JD

Indicate any change to the following: ²⁰⁰~~196~~ 204 bkg 206 207 208 ~~238~~ 248 254 270

Precambrian Count time (secs): 2 10 10 10 30/10* 10 ~~5~~ 5 25 5
 Phanerozoic* Delay time (secs): ~~78~~ 3 1 2 1 1 ~~3~~ 24 2 4

expected 196-204 = ~~8.170~~ amu expected 204-bkg = 0.040⁵ amu Dead-time = 32 nanosecs
 actual ²⁰⁰196-204 = 4.139 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.001 actual 206-208 = 2.002 actual resolution = 4704
 Primary = 4.1 nA PESABM = 1.25 pA actual Primary: PESABM (= 50:1) = 3.28
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 5

Comments: * clicked "Calibration Standard"
 C = C85b
 A = A23

UO₂
 270
 (Kcts)
 ↓

Rejection over-ride	Sample/Std ID	Time - printout	UO ₂ ²⁰⁰ 196 cps	206 cps	²⁷⁰ U (Kcts) ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Corr.	
			^{270/254}					206/238	207/206		
<u>QUIT ACQUISITION</u> →											
	kh.4-1	13:29	.916	2219	3399	22.7K	/	.42	-	527±?	204
	kh.4-2	13:45	.918	2221	3389	22.9	/	.45	-	552±?	"
	C.37-2	14:02	.993	2528	871	4648	/	1.07	-	721±?	"
	C.37-3	14:17	.995	2558	904	4885	-	1.48	-	555±?	"
	C.37-4	14:32	.998	2519	942	5210	-	1.02	-	631±?	"
rename kh-1-7	* kh.1-1	14:50	.937	2303	3372	22.7K	/	.44	-	543	"
	C.8-3	15:07	.957	2514	805	4345	-	1.72	-	539	"
	C.8-4	15:23	.972	2591	1004	5466	-	.89	-	763	"
kh.1-2											
<u>QUIT ACQUISITION TABLE HERE</u>											
rename kh-1-8	kh.1-2	15:43	.911	2277	3453	23.3		.50	-	522	"

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U _{270/254}	²⁰⁰ U 196 cps	206 cps	UO ₂₇₀ ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	C.9-3	16:02	1.01	2554	821	4461	-	1.22	582	582	204
	C.9-4	16:19	.997	2560	789	4218	-	.95	799	799	"
	C.9-5	16:36	.980	2667	656	3518	-	1.51	-	605	"
	C.9-6	16:52	.991	2586	564	3111	-	.95	-	889	"
	Kh.1-9	17:10	.897	2180	3360	22.9	-	.35	-	576	"
	C.38-1	17:27	.988	2454	1131	6157	-	.82	-	635	"
	C.38-2	17:43	.950	2445	1120	6022	-	.33	-	825	"
	C.39-1	18:00	.978	2503	494	2712	-	1.41	-	725	"
	C.40-1	18:16	.968	2368	645	3527	-	1.63	-	610	"
SUN TABLE											
	Kh.1-10	18:35	.897	2138	3390	22.0	-	.74	-	527	"
	C.41-1	18:56	.980	2379	528	2940	-	1.61	-	756	"
	C.42-1	19:13	.978	2332	1165	6301	-	.93	-	626	"
	C.42-2	19:29	.979	2264	1265	6907	-	.89	-	659	"
	C.42-3	19:45	.967	2240	1251	6699	-	1.02	-	609	"
	Kh.1-11	20:05	.895	2181	3384	23.1	-	.40	-	556	"
	C.43-1	20:25	.998	2563	883	4755	-	1.54	-	599	"
	C.43-2	20:42	.983	2465	793	4364	-	.68	-	820	"
	C.44-1	21:00	.974	2571	565	2995	-	2.8	-	578	"
	C.45-1	21:17	.995	2468	524	2912	-	2.7	-	438	"
MONTAGNA TABLE											
	Kh.1-12	21:37	.917	2235	3388	2.33	-	.66	-	473	"
	C.46-1	22:00	.983	2558	633	3474	-	1.81	-	581	"
	C.47-1	22:18	.969	2581	705	3886	-	1.44	-	634	"
	C.48-1	22:33	.987	2644	825	4380	-	1.43	-	610	"

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO ₂ 270/254	²⁰⁰ U-196 cps	206 cps	CO ₂ U ppm 270	204Pb ppb	f ²⁰⁶ Pb %	Age ±1σ (Ma) 206/238 207/206	Corr.
	C.49-1	22:51	.979	2431	650	3638	—	.60	—	894 204
	Kh.1-13	23:10	.905	2206	3363	22.9	—	.44	—	539 "
	C.50-1	23:26	.982	2573	508	2788	—	1.62	—	683 "
	C.51-1	23:43	.996	2623	504	2713	—	.96	—	917 "
	C.52-1	00:01	1.012	2644	473	2580	—	1.92	—	707 "
	C.53-1	00:17	.977	2586	826	4524	—	1.75	—	606 "
	Kh.1-14	00:36	.903	2164	3331	22.4	—	.43	—	556 "
	A.16-3	00:57	1.000	2311	1367	7295	—	.67	—	697 "
	A.16-4	01:15	.988	2250	1200	6361	—	.77	—	685 "
	A.42-2	01:33	.994	2071	1315	6887	—	1.20	—	560 "
	A.12-3	01:49	.991	2062	1245	6562	—	1.05	—	682 "
	Kh.2-4	02:09	.943	2453	2841	19.3	—	1.17	—	538 "
	A.12-4	02:25	.983	2083	1325	7067	—	1.28	—	546 "
	A.36-2	02:43	.983	1964	1248	6609	—	1.58	—	508 "
	A.9-2	02:58	.991	2162	1248	6615	—	1.29	—	565 "
	A.6-2	03:13	.985	2032	1348	7092	—	1.28	—	690 "
	Kh.2-5	03:29	.937	2348	2855	19.2	—	.97	—	536 "
	A.43-1	03:48	.976	2000	971	5134	—	1.46	—	602 "
	A.43-2	04:03	.963	1980	1118	4757 5924	—	1.57	—	628 "
	A.44-1	04:19	.999	2088	846	4400	—	1.58	—	771 "
	A.45-1	04:36	.962	2085	672	3551	—	2.04	—	627 "
	A.46-1	04:54	.983	2088	1473	7693	—	1.26	—	584 "



forgot to save Prawn file, but o.k. as file ready, new name & date!

