

# TITANITE

## UWA SHRIMP DATA LOG

21/3/00

Date: ~~09/02/00~~ 21/3/00      UWA Mount No. 99-90      Whose sample? IRF      Operator(s) McN + AP

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

Precambrian Count time (secs): 2 10 10 10/20 30/40 10/5 5 5/2 2 2  
 Phanerozoic\* Delay time (secs): 8 3 1 2 1 1 3 2/4 2 3

Steel: Wein volts / nA =  $53V/17.0$  for O<sup>-</sup>; =  $30V/2.6$  for O<sub>2</sub><sup>-</sup>; =  $22V/3.7$  for NO<sup>-</sup>

dead-time =  $32$  nanosecs      expected resolution = >4200      actual resolution =  $5090$

aperture =  $?$  microns      retardation lens = ..... volts

Expected offsets (amu): <sup>200</sup>196-204 =  $8.170$ ; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: <sup>200</sup>196-204 =  $4.136$       204-bkg =  $0.045$       204-206 =  $1.999$

206-207 =  $1.000$       206-208 =  $2.000$

Primary-epoxy =  $2.4$  nA      Primary-CZ3 = <sup>khan</sup> $3.2$  nA      PESABM-CZ3 = <sup>khan</sup> $94$  pA

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

Comments: USING O<sub>2</sub><sup>-</sup> peak.

~~AB~~ = 9996 7177B Int.

Khan @ 100 MHz

UNK " 10 MHz

21/02/00

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO <sup>200</sup> (270/254)	196 <sup>200</sup> kcps	206 cps	UO <sub>2</sub> ppm <sup>200</sup> kcps	204Pb ppb cps	f <sub>206</sub> %	Age ±1σ (Ma) <sup>206/238</sup> <sub>206/270</sub>	Offsets OK?	
	Kh.4-1	10:26	1.034	1775	2425	18.9	0.5	.32	.1286	567±?	✓
	Kh.4-2	10:42	1.049	1875	2451	18.8	0.8	.53	.1304	527±?	✓
	B.1-1	11:02	1.150	2380	268	.327	0.8	3.55	.8198	2643	✓
	B.2-1	11:20	1.145	2315	446	.536	1.3	3.66	.832	2576	✓
	Kh.4-3	11:37	1.064	1916	2460	18.5	0.8	.52	.1329	502	✓
	B.3-1	12:01	1.076	2254	512	606	0.9	2.02	.846	2648	✓
	B.4-1	12:21	1.177	2325	402	481	0.9	2.94	.835	2651	✓
	B.5-1	12:38	1.134	2323	801	970	1.3	2.19	.826	2646	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U <sup>280</sup> (270/254) Kcps	196 Kcps	206 cps	UO <sub>2</sub> ppm Kcps	204Pb ppb cps	f206 %	Age ±1σ (Ma) 206/238 206/270	207/206	Offsets OK?
	Kh.4-4	12:56	1.01	1637	2407	18.8	0.9	.60	.128	459	✓
	B.5-2	13:14	1.09	2107	437	.53	1.1	3.49	.821	2687	✓
	B.6-1	13:39	1.09	2280	627	<del>.73</del>	1.9	4.04	.857	2637	✓
	B.6-2	13:57	1.11	2340	483	.58	0.9	2.41	.831	2651	✓
	Kh. 4-5	14:40	1.04	1851	2543	19.4	0.6	.38	.131	561	✓
	B.8-1	15:17	1.10	2331	477	.54	1.2	3.24	.878	2630	✓
	B.8-2	15:35	1.16	2271	352	.43	0.9	2.84	.821	2768	✓
	B.8-3	15:53	1.13	2426	344	.39	1.0	3.78	.861	2703	✓
	B.9-1	16:14	1.11	2446	344	.41	1.1	3.97	.836	2694	✓
	Kh.4-6	16:31	1.04	1891	2534	18.8	0.8	.47	.135	507	✓
	B.10-1	16:50	1.09	2104	1479	1.81	1.4	1.29	.815	2648	✓
	B.10-2	17:14	1.16	2376	288	.35	0.9	4.12	.819	2692	✓
	B.11-1	17:34	1.09	2351	419	.51	0.8	2.30	.822	2701	✓
	B.12-1	17:55	1.14	2144	626	.76	0.8	1.46	.826	2716	✓
	Kh.4-7	18:13	1.03	1763	2471	18.6	3.2	2.22	.132	181	✓
	Kh.4-8	18:29	1.07	1990	2596	19.3	0.8	.49	.134	533	✓
	B.12-2	18:46	1.15	2084	714	.87	1.2	2.03	.824	2682	✓
	B.12-3	19:04	1.13	2249	335	.39	1.0	4.29	.849	2548	✓
	B.13-1	19:42	1.15	2272	947	1.14	0.9	1.22	.832	2697	✓
	B.13-2	19:58	1.10	2115	833	1.03	1.3	1.93	.812	2622	✓
	Kh.4-9	20:17	1.06	1949	2598	19.2	2.2	1.40	.135	552	✓
	B.13-3	20:34	1.10	2022	1037	<del>1.30</del>	1.4	1.77	.800	2623	✓
	B.13-4	20:53	1.09	2150	770	<del>1.96</del>	1.3	2.40	.802	2598	✓
	B.13-5	21:10	1.06	2120	617	.73	1.5	3.16	.845	2662	✓
	B.14-1	21:38	1.16	2133	596	.73	1.0	2.28	.816	2649	✓

Labelled 7-1

High 204!