

### UWA SHRIMP DATA LOG FOR TITANITE

Date: **27/6/00**      UWA Mount No.: **A-34**      Whose sample?: **NV.**      Operator(s): **McN-NV**

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

**Precambrian**    Count time (secs):    5    10    10    10 ~~10~~ 30 ~~10~~ **5**    **2**    5    5  
~~Phanerozoic~~    Delay time (secs):    8    3    1    2    1    1    4    2    3

Steel: Wein volts / nA = **444/4.4** for O<sup>-</sup>; = **544/1.9** for O<sub>2</sub><sup>-</sup>; = **80V/8.6** for NO<sup>-</sup>

dead-time = **32** nanosecs      expected resolution = >4200      actual resolution = **4774**

aperture = **100** microns      retardation lens = **0** volts

Expected offsets (amu): 200-204 = 4.136; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 200-204 = **4.1345**    204-bkg = **0.045**    204-206 = **~1.998**

206-207 = **1.000**    206-208 = **2.000**

Primary-epoxy = **2.1** nA    Primary-khan = **2.85** nA    PESABM-khan = **85** pA

Raster time (mins): **2**    Raster aperture (microns): **120**    No. of scans: **6**

Comments: **\* Changed raster line from 1 mm to 2 mm.**

**+D** → spike in 204, 206, 207, 208 → why?? (may have to delete)

**kh A34-1**  
**A34-1-1**

**\* Omit D3-1 → primary errors occurred during analyses file corrupted.**

Rejection over-ride	Sample/ Std ID	Time - printout	<sup>254</sup> U/ <sup>270</sup> U	200 cps	206 cps	270 cps	<sup>204</sup> Pb cps	f <sub>206</sub> %	Measured 206/270	Age ± 1σ 207/206	Offsets OK?
	kh. 1-1	11:48	0.963	1775	2787	200K	1.3	.77	.139	525 ± 33	✓
	kh. 1-2	12:06	0.950	1934	2837	200K	1.6	.83	.142	529 ± 42	✓
	kh. 1-3	12:26	0.991	1827	2829	20.2K	0.9	.46	.140	545 ± 35	✓
	A. 1-1	12:48	1.065	2328	398	473	0.1	.05	.841	2575 ± 21	✓
	A. 1-2	13:08	1.074	2048	323	409	0.3	0.27	0.788	2606 ± 28	✓
	kh. 1-4	13:30	0.969	1907	2968	21.1K	0.5	0.62	0.141	477 ± 38	✓
	A. 1-3	13:52	1.017	2316	439	541	0.1	0.06	0.812	2622 ± 25	✓
	A. 1-4	14:14	1.069	2318	345	403	0.2	0.67	0.856	2556 ± 35	✓

**+D** →

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Rejection over-ride Sample/Std ID Time - printout <sup>254/270</sup> 270/254 200 UO/UO2 cps 206 cps 270 cps 204Pb cps f206 % Measured 206/270 Age±1σ 207/206 Offsets OK?

*During / After 1st cycle I dropped significantly recovered it with two 2.7*

A1-5	14.37	1.097	2137	418	568	<del>568</del> 0.3	0.25	0.737	2530±34	✓
A2-1	14.59	1.085	2099	883	1116	0.1	0.07	0.791	2610±18	✓
KH 1-5	15.21	0.968	1808	2852	19.9K	0.6	0.07	0.143	573±38	✓
A3-1	15.44	1.048	2317	740	913	0	0	0.811	2614±18	✓
A3-2	16.06	1.028	2304	256	311	0.6	0.06	0.822	2619±33	✓
A3-3	16.27	1.051	1779	535	641	0.2	0.01	0.836	2603±22	✓
KH 1-6	16.50	0.966	1942	2897	20.4K	0.4	0.49	0.142	503±35	✓
A4-1	17.12	1.025	2375	564	670	0.4	0.38	0.843	2583±22	✓
A5-1	17.34	1.021	2299	631	753	0.4	0.38	0.837	2526±23	✓
A6-1	17.55	1.042	2210	419	525	0.2	0.19	0.798	2648±22	✓
B1-1	18.19	1.043	2302	239	285	—	—	0.841	2627±24	✓
B1-2	18.41	1.053	2177	401	493	0.1	0.09	0.813	2648±23	✓
B1-3	19.03	1.041	2382	356	431	0.2	0.17	0.826	2646±28	✓
Bh 1-7	19.35	1.061	1586	2686	19.6K	0.4	0.45	0.137	496±34	✓
C1-1	19.59	1.036	2312	258	322	0.1	0.05	0.802	2615±27	✓
<sup>2-1</sup> C2-2	20.22	1.081	2115	232	305	0.1	0.05	0.757	2641±27	✓
C3-1	20.43	1.030	2371	260	301	0.1	0.05	0.864	2633±	✓
C4-1	21.04	1.011	2306	332	393	0.7	0.64	0.843	2553±30	✓
K1-1	21.28	1.020	1885	872	1007	3.2	2.87	0.866	2704±31	✓
K2-1	21.48	1.058	2011	604	641	13.8	12.3	0.943	2723±72	✓
Kh 1-8	22.09	1.340	1770	2941	21.0K	0.4	0.51	0.140	471±37	✓
K3-1	22.31	0.991	2282	689	732	10.9	9.66	0.942	2749±57	✓
K4-1	22.51	0.926	597	<sup>596</sup> <del>623</del>	623	12.3	11.1	0.957	2646±72	✓
L1-1	23.15	1.083	1970	394	406	9.9	8.73	0.971	2797±66	✓
L2-1	23.38	1.023	1934	460	500	8.0	7.18	0.920	2704±51	✓

