

— TITANITE —
 — FOLLOWS FROM 99-90 —

UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
2/13/00	99-71	McN	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*	30/10*	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 = nanosecs expected resolution = >4200 actual resolution =

aperture = microns retardation lens = 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: 196-204 = 4.136 204-bkg = 0.045 204-206 =

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = ^{khan} 3.2 nA PESABM-CZ3 = ^{khan} pA

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

Comments: USING O₂⁻ peak

1° slowly ↓ from 3.2 nA → 5 nA. v. stable 1°.

Rejection over-ride	Sample/ Std ID	Time - printout	UQ/UO	199	206 cps	UO ₂	204Pb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
				196 Kcps		ppm (cps)	ppb (cps)		206/238	207/206	
	kh3-7	21:59	1.06	1871	2597	19.4	0.8	.49	.1339	485	✓ OK
	kh3-8	22:15	1.07	1870	2543	19.1	0.8	.52	.1329	495	✓
	A.1-2	22:36	1.10	2465	327	1.4	0.1	.57	.2301	733	✓ O.K.
	A.14-2	22:56	1.11	2363	724	3.3	0.1	.26	.2220	719	✓
	A.15-2	23:14	1.11	2348	463	2.0	0.1	.38	.2272	765	✓
	kh3-9	23:31	1.08	1933	2554	18.8	0.9	.52	.1361	528	✓
	A.16-2	23:49	1.11	2292	405	1.8	0.1	-	.2259	867	✓
	A.17-1	24:07	1.11	2316	296	1.3	0.0	.15	.2244	858	✓

Mount/sample No: 99-71

Date: 22/3/00

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	198 Kcps	206 cps	UO ₂ ppm Kcps	204Pb ppb cps	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238 270	207/206	
	A.18-1	24:24	1.11	2264	410	1.8	0.0	.002	0.2234	885	✓
	Kh.3-10	24:41	1.07	1840	2516	18.9	0.6	.40	0.1333	556	✓
	A.19-1	24:59	1.10	2337	312	1.4	0.1	.22	0.2292	885	✓
	A.20-1	1:17	1.12	2330	299	1.3	0.1	.19	0.2291	788	✓
	A.21-1	1:35	1.14	2360	384	1.7	0.1	.35	0.2234	834	✓
	Kh.3-11	1:52	1.07	1865	2520	18.6	0.8	.54	0.1357	481	✓
	A.22-1	2:09	1.10	2262	295	1.3	0.2	.52	0.2264	760	✓
	A.23-1	2:26	1.12	2435	339	1.5	0.2	.72	0.2291	695	✓
	A.24-1	2:44	1.11	2307	333	1.5	0.1	.13	0.2259	871	✓
	Kh.4-22	3:00	1.07	1920	2561	18.9	0.6	.38	0.1356	535	✓
	A.25-1	3:17	1.10	2364	338	1.5	0.0	-	0.2281	892	✓
	A.26-1	3:34	1.12	2463	337	1.5	0.1	.04	0.2293	810	✓
	A.27-1	3:51	1.12	2345	329	1.5	0.0	-	0.2232	845	✓
	Kh.4-23	4:08	1.08	1973	2575	18.7	0.7	.44	0.1378	548	✓
	A.28-1	4:25	1.13	2376	1254	3.6	0.1	.08	0.2255	844	✓
	A.29-1	4:41	1.09	2357	406	1.8	0.0	.02	0.2308	844	✓
	A.30-1	5:03	1.11	2370	333	1.5	0.1	.01	0.2207	877	✓
	Kh.3-12	5:20	1.08	1907	2579	18.9	0.8	.45	0.1362	526	✓
	A.31-1	5:40	1.11	2274	341	1.5	0.0	.04	0.2217	833	✓
	A.32-1	6:00	1.10	2318	660	3.0	0.1	.12	0.2213	801	✓
	A.33-1	6:17	1.11	2325	1328	6.0	0.1	.006	0.2227	840	✓
	Kh.3-13	6:34	1.07	1823	2536	18.2	0.9	.53	0.1356	489	✓
	A.34-1	6:51	1.10	2353	314	1.4	0.0	.17	0.2266	896	✓
	A.35-1	7:07	1.11	2221	290	1.3	0.1	.42	0.2234 0.2219	797	✓
	A.36-1	7:24	1.09	2283	313	1.4	0.0	.22	0.2242	806	✓
	A.37-1	7:44	1.11	2071	366	1.7	0.0	-	0.2214	825	✓
	A.38-1	7:57	1.10	2372	384	1.7	0.1	.40	0.2310	731	✓
	A.39-1	8:13	1.09	2068	391	1.7	0.0	-	0.2291	895	✓
	Kh.3-14	8:30	1.06	1782	2644	19.7	1.0	.61	0.1340	471	✓

10 ↓ sharply to 2.8nA
Spited.