

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)								
3/8/98	96-61	Near/IRF	McN + JD								
Indicate any change to the following:											
	196	204	bkg	206	207	208	236	248	254	270	
Precambrian	Count time (secs):	5.2	10	10	10	30/10*	10	5	5	25	5
Phanerozoic*	Delay time (secs):	7.8	3	1	2	1	1	13	24	2	2
expected 196-204 = 8.170 amu		expected 204-bkg = 0.040 amu					Dead-time = nanosecs				
actual 196-204 =		actual 204-bkg = 0.045					expected resolution = >4200				
actual 206-207 = 1.000		actual 206-208 = 2.000					actual resolution = 4927				
Primary = 2.6 nA		PESABM = 38 pA		actual Primary : PESABM ($\approx 50:1$) = 68.4							
Raster time (mins): 1		Raster aperture (microns): 100					No. of scans: 6				

Comments:

$$A = 18/1$$

→ Only one KHAN chip available! It had v. low 200 cps
+ odd $V_{O2}/V_O \rightarrow$ poor conductivity (10 v. stable)
(check conductivity !!)

[illegible]

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 4-10-96 UWA Mount No. 96-61 Whose sample? Jenny M. Operator(s) I R F

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

Precambrian Count time (secs): 2 10 10 10 30/10* 10 5 5 2
Phanerozoic* Delay time (secs): 7 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 33 nanosecs
actual 196-204 = actual 204-bkg = expected resolution = >4200
actual 206-207 = actual 206-208 = actual resolution =
Primary = nA PESABM = pA actual Primary : PESABM (≈ 50:1) =
Raster time (mins): Raster aperture (microns): No. of scans:

Comments: All data are recorded at the nominal masses recorded above. Some printouts will display different labels and 206-204 offset.
① Reference peak changed - This means that the U/Ti calibration will require extra attention.
- all U abundances, etc, will need to be reviewed.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206		Corr.
Restore all	SIKhan3-1	20:01	6.2095	708	2867	190.5	6.1	11.42	582	522	204 208
"	SIKhan3-2	20:19	6.2095	686	2623	191	7.2	11.3	594	511	204 208
Delete 1st 206 2nd 20 6th 20.2	u9661-B1-1	20:52	6.2095	0.4	90.3	190.5	715	56.9	295	994	204
AOK	u9661-B2-1	21:21	6.2095	1.2	104	191	426	32.8	454	1411	204
AOK	SIKhan3-3	21:46	6.21	746	2828	191	5.3	.45	663	544	204
Restore all	u661A.1-1	22:19	6.21	220	1987	190	18.	1.2	658	2662	204
"	Khan 2-1	23:39	7.06	719	2524	218	10.3	.52	950	518	
del. 1st 206	A.2-1	00:01	7.06	172	1407			1.8		2636	204
Restore all	3-1	00:23	7.06	979	1739			1.4		2664	204
"	4-1	00:44	7.06	617	2006			1.4		2668	204
AOK	Rhan 2-2	01:08						.65		542	204

That is Kanite
? ?
must be
fudged in
Pravon (Simple Test file)

Mount/sample No: 96-61

Date: 4/10/96

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Corr.
del. 1x u0	A-5-1	01:29						1.7		2695	204
AOK	6-1	01:48						2.4		2603	204
"	7-1	02:06						1.9		2680	204
Rejection all	8-1	02:23						1.4		2685	204
AOK	SLK2-3	02:44						.71		521	204
del 1x u0, u02	A-9-1	03:02						2.6		2608	204
Rejection all	A-10-1	03:20						1.6		2657	204
"	SLK2-4	03:38						1.1		500	204
Raw output params:											
						0.09867		adjusted:			
						0.97256		0.12504			
						0.148571		.97256			
								.16230			
						n=7					
						$\sigma=0.86$					