

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
2-11-98	UWA 98-67		IRF/BR.

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

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 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: *Follows 98-78
70 μ aperture.*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 kcps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	xtc.1-1	00:18	9.53	60	101	220	0	0	4.80	2634	
	sw.1-1	00:38	9.39	73	3.1	25.6	0	0	1.74	912	
	xth.1-1	00:58	9.13	70	0.16	2.4	0	0.12	0.53	541	
	xta.1-1	01:20	9.93	64	0.03	0.3	0	3.1	0.65	-	
	ztc.2-1	01:41	9.06	54	55	130.4	0.4	0.05	3.95	2633	
	sw.2-1	02:02	9.11	75	3.1	21	0.1	0.15	1.33	866	
	xth.2-1	02:25	9.67	81	0	0	0	867	0.03	0	
	xta.2-1	02:45	8.25	20	0	0.2	0	9.7	0.49	0	
	xtc.3-1	03:05	10.27	61	123	209	0.1	0	5.56	2215	
	sw.3-1	03:27	9.22	77	1.8	14	0	0.07	1.09	136	
	xth.3-1	03:49	4.64	54	0	0.1	0	-1.5	-	-	

206-207 offset drifted

scans

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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<i>non-linear</i>	xte.4-1	04:14	9.83	46	54	148	0	0	5.07	2455	
X	sw.4-1	04:36	7.41	32	0.9	28.8	0	0.08	0.71	886	
	xth.4-1	04:58	9.00	65	0	0	0	-0.35	-		
	xte.5-1	05:20	9.97	59	57	119	0	0	4.98	2589	
	sw.5-1	05:40	9.54	67	12	67	0	0.01	1.28	891	
	sw.6-1	06:02	9.16	69	4.5	43.8	0	0.01	1.11	630	
	xte.6-1	06:24	9.57	69	48	106	0	0	4.29	2528	
	sw.7-1	06:46	9.30	75	1.5	12.5	0	0.08	1.11	781	
	sw.8-1	07:07	9.46	67	3.7	25.8	0	0.04	1.23	811	
<i>first UO.</i>	xte.8-1	07:26	9.56	65	63	150	0	0	4.41	2552	
	sw.9-1	07:48	7.19	0	8.3	27.1	0	0	0.45	613	<i>not recorded</i>
	sw.10-1										
						xte w. 155					