

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 11/11/95 UWA Mount No. 95-13 Whose sample? A.M. Operator(s) IRF + AR

Indicate any change to the following: <sup>200</sup>196 204 bkg 206 207 208 <sup>248</sup>238 <sup>254</sup>248 <sup>270</sup>254

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

expected <sup>200</sup>196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs  
 actual <sup>200</sup>196-204 = 4.135 actual 204-bkg = 0.040 expected resolution = >4200  
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5760

Primary = 4.0 nA PESABM = pA actual Primary : PESABM (≈ 50:1) =  
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 7

Comments: Seems to be some surface charging. 1° sweeping few % during each analysis. Fairly consistent, so not a problem.

Rejection over-ride	Sample/Std ID	Time - printout	UO/U <sup>200</sup> 196 cps	206 cps	U <sup>204</sup> Pb ppm	204Pb <sup>204</sup> 206 %	Age ± 1σ (Ma)	206/238	207/206	Corr.
	<del>Kh.1-1</del>	11:34	0.87	2176	5225	26.2	2	0.0005	0.124	0.0634
Set Th=0	u.C.1-1	11:59	0.75	1657	118	0.14	1	0.0094	0.82	0.2660 uncorrected!
	C.2-1	12:20	0.75	1842	4517	7.5	2	0.0004	0.641	0.1776
	Kh.2-1	12:41	0.86	2203	3395	27.5	1	0.0004	0.124	0.0632
	C.3-1	13:13	0.71	2062	16.5K	25.8	13	0.0008	0.640	0.1805
Set Th=0	C.4-1	13:41	0.78	4185	2339	1.6	10	0.0042	1.46	0.239
	C.5-1	14:07	0.74	2177	5431	6.5	11	0.0020	0.827	0.1882
	C.6-1	14:28	0.71	1510	7074	7.1	25	0.0035	0.993	0.2178
	Kh.3-1	14:48	0.86	2246	3425	27.7	1	0.0004	0.124	0.0621
HV dropout										
Note: incorrect offsets on 207, 208. (deleted)	← Kh.4-1	16:01	0.88	2133	2655	21.8	1.5	0.0005	0.122	0.0571

2-2 deleted low UO of 40 charging 222

Delete last 2 scans

last scan

Note: incorrect offsets on 207, 208. (deleted) does not affect calibration.

