

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 7/6/99 UWA Mount No.: 98-76 D Whose sample?: AGSO Operator(s): JD+AR

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

Precambrian Count time (secs): 2 10 10 10/20* 30/10* ⁵ 5 5 2 5 5
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 4 2 3

expected 196-204 = 8.170 amu ²⁰⁰ expected 204-bkg = 0.045 amu Dead-time = 3.2 nanosecs
 actual ²⁰⁰ 196-204 = 4.123 actual 204-bkg = 0.045 expected resolution = >4200
^{206-200 = 6.125} actual 206-207 = 1.0010 actual 206-208 = 2.000 actual resolution = 521x

Primary = ^{2-2 open} 3.0 khw nA PESABM = pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: continued on from 98-72.

*Called D.3 in processing files
 Mass-Field cell is "compressed" and 204 is
 several mm out of position, but data
 seem OK.*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ²⁰⁰ 196 ²⁰⁰ kcps	206 cps	U ₂ ppm ²⁰⁰ kcps	204Pb ppb cps	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?		
	<u>kh3-1</u>	<u>00:12</u>	<u>.77</u>	<u>863</u>	<u>1720</u>	<u>11.2</u>	<u>1.3</u>	<u>1.3</u>	<u>.118</u>	<u>433</u>	<u>✓</u>
	<u>0.7-1</u>	<u>00:38</u>	<u>.81</u>	<u>934</u>	<u>585</u>	<u>.62</u>	<u>1.3</u>	<u>2.9</u>	<u>.767</u>	<u>2666</u>	<u>✓</u>
	<u>kh2-10</u>	<u>00:57</u>	<u>.77</u>	<u>869</u>	<u>1758</u>	<u>11.0</u>	<u>0.7</u>	<u>.64</u>	<u>.123</u>	<u>476</u>	<u>✓</u>
	<u>0.28-1</u>	<u>1:18</u>	<u>.79</u>	<u>945</u>	<u>494</u>	<u>.51</u>	<u>2.2</u>	<u>-.60</u>	<u>.767</u>	<u>2544</u>	<u>✓</u>
	<u>0.8-1</u>	<u>1:39</u>	<u>.78</u>	<u>835</u>	<u>471</u>	<u>.47</u>	<u>1.4</u>	<u>3.8</u>	<u>.771</u>	<u>2665</u>	<u>✓</u>
	<u>0.2-11</u>	<u>1:58</u>	<u>.77</u>	<u>821</u>	<u>1642</u>	<u>11.2</u>	<u>0.6</u>	<u>.56</u>	<u>.113</u>	<u>480</u>	<u>✓</u>
	<u>0.9-1</u>	<u>2:18</u>	<u>.78</u>	<u>841</u>	<u>479</u>	<u>.51</u>	<u>1.1</u>	<u>2.9</u>	<u>.729</u>	<u>2623</u>	<u>✓</u>
	<u>0.29-1</u>	<u>2:38</u>	<u>.78</u>	<u>870</u>	<u>510</u>	<u>.55</u>	<u>1.6</u>	<u>4.1</u>	<u>.729</u>	<u>2683</u>	<u>✓</u>
	<u>0.10-1</u>	<u>2:59</u>	<u>.90</u>	<u>1007</u>	<u>496</u>	<u>.50</u>	<u>2.0</u>	<u>5.1</u>	<u>.784</u>	<u>2635</u>	<u>✓</u>
	<u>0.30-1</u>	<u>3:18</u>	<u>.79</u>	<u>967</u>	<u>783</u>	<u>.80</u>	<u>1.8</u>	<u>3.1</u>	<u>.768</u>	<u>2535</u>	<u>✓</u>
	<u>kh2-12</u>	<u>3:37</u>	<u>.78</u>	<u>931</u>	<u>1749</u>	<u>12.6</u>	<u>0.6</u>	<u>.55</u>	<u>.108</u>	<u>407</u>	<u>✓</u>

*seconds
 10 discarding
 during
 analysis*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U3	196	206	UO2	204Pb	f206	Age ±1σ (Ma)		Offsets OK?
			229/ 254	*cps	cps	ppm kcp	ppb cps	%	206/238	207/206	
	D.11-1	4:00	.75	965	293	289	2.7	12.9	.757	2523	✓
	D.12-1	4:20	.73	958	605	662	1.4	3.1	.665	2644	✓
?	D.31-1	4:40	.58	938	238	288	1.4	8.3	.482	2606	✓
	kh2-13	4:59	.73	883	1797	12.1	1.3	1.2	.108	442	✓
	D.13-1	5:20	.76	1005	439	486	1.6	5.0	.688	2659	✓
	D.14-1	5:39	.77	976	545	583	1.5	3.4	.717	2662	✓
	D.15-1	5:59	.80	1005	603	660	1.7	3.0	.800	2686	✓
	D.16-1	6:18	.78	999	495	557	1.7	4.6	.693	2685	✓
	kh2-14	6:38	.79	913	1827	128	0.7	.70	.112	457	✓
	D.17-1	6:58	.77	964	505	547	1.5	3.9	.705	2719	✓
	D.18-1	7:18	.73	983	321	355	1.1	4.3	.658	2684	✓
?	D.19-1	7:38	.60	1044	617	771	2.3	4.9	.481	2663	✓
	kh2-15	7:57	.76	903	1784	12.1	0.6	.53	.111	499	✓
	D.20-1	8:19	.76	950	538	556	1.8	4.4	.736	2624	✓
	D.22-1	8:42	.76	1029	510	540	1.3	3.5	.722	2678	✓
	D.23-1	9:02	.78	994	477	514	1.7	4.6	.721	2521	✓
	kh2-16	9:20	.74	805	1620	9886	3.8	4.0	.121	569	✓