

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 6/4/99 UWA Mount No.: 99-11 Whose sample?: SB Operator(s): SB

Archean

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	206
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 = 32 nanosecs
 actual 196-204 = 8.166 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5216
 Primary = 4.2 (200) nA PESABM = 41 pA actual Primary: PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Pop. C: E214 WELCOME WELL VOLCANICLASTIC.
Pop. D: E217H IDA HILL complex "

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	S1.11-1	14:04	6.78	18.0	2190	220	0.4	.03	572 ± 1	534 ± 17	
	S1.11-2	14:25	6.67	18.7	2169	225	1.6	.13	563 ± 1	549 ± 17	
	C.1-1	14:46	6.79	17.2	1264	23	-ve	-	2748 ± 15	2715 ± 10	
	C.2-1	15:05	6.69	17.9	1309	24	1.5	.16	2774 ± 15	2716 ± 10	
	S1.11-3	15:24	6.35	19.3	2044	237	1.3	.09	565 ± 1	535 ±	
	C.3-1	15:43	6.52	18.3	1807	35	1.3	.10	2732 ± 13	2700 ± 9	
	C.4-1	16:04	6.82	18.0	816	14	-	-	2755 ± 19	2707 ± 13	
	C.5-1	16:23	6.58	17.7	1065	21	1.3	0.15	2702 ± 16	2692 ± 13	✓
	C.6-1	16:45	6.73	17.6	1140	21	-ve	-	2745 ± 16	2710 ± 11	
	S1.11-4	17:04	6.87	17.2	2139	216	0.2	.02	574 ± 1	587 ± 17	
	C.7-1	17:24	6.55	18.4	1782	35	1.0	.08	2715 ± 13	2695 ± 9	

STD.

STD.

S3.

Mount/sample No: 99-11 C Date: 6/4/99 Page No: 2

Rejection over-ride Sample/Std ID Time - printout UO/U Kcps 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

Rejection over-ride	Sample/Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	c. 8-1	17:43	6.73	17.2	1618	31	0.0	—	2723 ± 13	2718 ± 9	✓
	c. 9-1	18:10	6.15	18.1	744	19	1.0	0.15	2636 ± 18	2694 ± 16	
	c. 10-1	18:27	6.56	18.4	2222	40	1.9	.12	2789 ± 12	2699 ± 9	No Raster.
	c. 11-1	18:47	6.75	18.0	1488	30	3.6	.84	2489 ± 12	2665 ± 12	
	sl. 11-5	19:09 19:09	6.73 6.41	17.6 19.0	1033 2115	238	0.7	.05	577 ± 1	528 ± 30	✓
	c. 6-2	19:28	6.73	17.6	1033	20	1.8	.24	2693 ± 17	2702 ± 13	
	c. 12-1	19:48	6.83	17.4	1451	26	0.4	.04	2783 ± 15	2698 ± 10	
	c. 13-1	20:07	6.35	18.4	1449	30	0.7	.06	2768 ± 14	2705 ± 10	
	c. 14-1	20:27	6.59	18.6	793	16	0.7	.11	2565 ± 17	2717 ± 15	
	c. 15-1	20:48	6.45	18.2	464	9.4	0.2	.07	2752 ± 25	2748 ± 18	✗ *
	sl. 9-1	21:08	6.52	19.4	2082	225	0.0	.03	561 ± 1	623 ± 17	
	c. 16-1	21:31	6.57	18.2	1166	22	-ve	—	2744 ± 16	2699 ± 11	
	c. 17-1	21:50	6.74	18.1	1153	21	1.0	.13	2726 ± 16	2693 ± 12	
	c. 18-1	22:09	6.55	18.7	1189	23	1.5	.17	2711 ± 18	2700 ± 12	✓
	c. 19-1	22:28	6.44	17.9	666	14	1.6	.30	2677 ± 20	2666 ± 19	
	c. 20-1	22:48	6.98	17.7	1236	20	0.5	.06	2747 ±	2702 ± 13	
	sl. 9-2	23:11	6.55	19.3	2092	222	0.3	.02	565 ± 1	551 ± 16	✓
	c. 21-1	23:31	6.26	19.1	1864	29	1.3	.12	2735 ± 14	2703 ± 11	
	c. 22-1	23:49	6.65	17.9	1438	26	0.3	.03	2788 ± 15	2723 ± 10	
	c. 23-1	0:07	6.60	18.6	1824	33	0.1	<.01	2789 ± 13	2709 ± 8	
	c. 24-1	0:28	6.46	18.7	876	17	1.3	.20	2749 ± 18	2685 ± 14	
	c. 25-1	0:47	6.32	18.9	958	20	0.8	.10	2686 ± 17	2723 ± 13	
	sl. 9-3	1:06	6.72	18.4	2213	225	0.1	.01	569 ± 1	647 ± 16	✓
	d. 1-1	1:25	6.71	17.9	574	64	0.7	.21	536 ± 1	520 ± 50	
	d. 2-1	1:44	6.61	18.5	1532	168	0.4	0.04	554 ± 1	532 ± 35	

C: E214
↑

Contam. *
↓
D: E217 H

→ blocked 2 runs with low 7/6 (young)

