

UWA SHRIMP DATA LOG

Date: 5/10/04 UWA Mount No.: 04-84
03-46 Whose sample? Operator(s): AF & ERT

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

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻

dead-time = 2.4 nanoseconds expected resolution = >4200 actual resolution = 4.478

aperture = microns retardation lens = 0 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.17 204-bkg = 0.045 204-206 =

206-207 = 206-208 =

Primary-epoxy = 2.5 nA Primary-CZ3 = 3.5 nA PESABM-CZ3 = 64 pA

Raster time (mins): 2.5 Raster aperture (microns): 100 No. of scans: 7

Comments: HUGE LOW MASS TAIL EFFECTING PEAK SHAPE
03-46 pop D had very few good zircons.

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?	
●	CZ3	CZ3-1	12:03	5.70	17	1.7	551 551	7.6	0.28	562 ± 3	549 ± 47	✓
●	CZ3	CZ3-2	12:37	5.58	17	1.7	556	0.3	0.01	567 ± 4	633 ± 27	✓
	0346	D.1	13:09	5.64	20	6.7	546	1.1	0.01	1771 ± 8	1814 ± 6	✓
	0346	D.2	14:07	5.81	19	5.7	309	0.6	0.00	2493 ± 12	2529 ± 6	✓
●	CZ3	CZ3-3	14:28	5.75	17	1.8	566	-1.1	0.03	580 ± 3	548 ± 23	✓
	0346	D.3	15:04	5.54	19	2.6	152	28.6	0.77	2398 ± 18	2512 ± 14	✓
	0346	D.4	15:30	5.60	19	1.6	378	1.2	0.05	675 ± 5	679 ± 20	✓
	0346	D.5	16:05	6.11	16	57	5827	7.5	0.01	1534 ± 5	1734 ± 5	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 Kcps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?	
	c23	c23-4	16:27	5.73	19	1.9	553	0.1	0.00	562± -	553 -	✓
	MMM Changed Mounts											
	c23	c23-1.1	17:46	5.67	20 ²⁰	19000 ¹⁹⁰⁰⁰	551	1.5	0.05	563±4	530±24	✓
		c23-1.2	18:09	5.57	21	20000	536	2.3	0.04	576±4	504±26	-
0484	C.0.1	18:48	6.20	12	16	2237	210.1	0.63	1570 ± 43	1743 ± 38	✓	
	C.2.1	19:10	5.55	18	1.1	67	-2.2	0.12	2558 ± 30	2645 ± 15	✓	
	C.3.1	19:32	5.66	20	6.4	435	31.9	0.35	2115 ± 8	2479 ± 6	✓	
	C.4.1	20:22	5.74	22	3.3	160	8.6	0.21	2504 ± 22	2652 ± 7	✓	
	c23-1.3	20:47	5.41	22	1.9	533	-0.3	0.01	560 ± 3	597 ± 29	✓	
0484	C.5.1	21:07	5.13	20	1.4	93	3.7	0.17	2337 ± 33	2628 ± 15	✓	
	C.6.1	21:30	5.30	24	2.7	151	0.9	0.03	2260 ± 17	2632 ± 7	✓	
	C.7.1	21:55	6.51	23	4.1	335	20.3	0.52	1302 ± 25	2421 ± 11	✓	
	C.8.1	22:18	5.84	22	9.1	515	28.7	0.25	2187 ± 13	2465 ± 5	✓	
	c23-1.4	22:39	5.52	23	2.1	536	1.1	0.04	565 ± 4	536 ± 21	✓	
	C.9.1	23:12	5.48	23	5.7	295	70.9	0.95	2478 ± 18	2657 ± 11	✓	
	C.10.1	23:41	5.51	22	6.0	299	12.7	0.16	2549 ± 18	2666 ± 5	✓	
	C.11.1	00:01	5.49	22	1.7	85	0.6	0.03	2669 ± 66	2670 ± 31	✓	
	C.12.1	00:24	5.41	20	2.6	159	29.0	0.75	2388 ± 18	2656 ± 12	✓	
	c23-1.5	00:45	5.45	24	2.1	535	0.3	0.01	549 ± 3	598 ± 21	✓	
	C.13.1	01:06	5.53	21	2.3	121	1.2	0.04	2624 ± 28	2663 ± 9	✓	
	C.14.1	01:29	5.39	23	3.1	170	14.8	0.36	2363 ± 20	2631 ± 8	✓	
	C.15.1	01:50	5.73	22	7.7	468	8.9	0.09	2102 ± 11	2387 ± 7	✓	
	C.16.1	02:14	5.45	23	5.4	253	-0.8	0.01	2674 ± 18	2683 ± 6	✓	
	c23-1.6	02:35	5.53	24	2.1	536	0.7	0.02	565 ± 3	554 ± 28	✓	

0484 ↓

MOUNT / SAMPLE

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	SAMPLE	TIME PRINTOUT	U/u	196 Kcps	206 Kcps	U PPM	204 Pb PPb	f ₂₀₆ %	AGE ± 1σ 206/238	(MA) 207/206	offsets OK?
0484-	C-17.1	03:04	5.43	22	3.1	153	4.7	0.11	2645 ± 19	2632 ± 10	✓
	C-18.1	03:26	5.54	22	5.3	261	0.4	0.01	2609 ± 13	2639 ± 7	✓
	C-19.1	03:55	5.56	22	6.6	350	12.2	0.14	2395 ± 10	2532 ± 5	✓
	C-20.1	04:31	6.34	19	9.5	527	13.2	0.10	2318 ± 12	2546 ± 5	✓
	C23-1.7	04:51	5.58	21	2.0	551	0.6	0.02	570 ± 3	588 ± 26	✓
0484-	D-1.1	05:18	5.57	22	2.6	125	-1.2	0.04	2664 ± 23	2671 ± 8	✓
	D-2.1	05:40	5.10	25	2.3	108	0.5	0.02	2671 ± 20	2662 ± 9	✓
	D-3.1	06:01	5.51	21	1.4	67	1.1	0.06	2724 ± 28	2683 ± 17	✓
	C23-1-8	06:24	5.53	23	2.1	538	1.9	0.07	563 ± 2	571 ± 28	✓
	D-4.1	06:46	5.50	22	2.1	98	2.0	0.07	2708 ± 21	2672 ± 8	✓
	D-5.1	07:08	5.42	22	1.8	89	0.8	0.03	2719 ± 23	2680 ± 10	✓
	D-6.1	07:31	5.57	20	2.3	115	0.2	0.01	2735 ± 30	2682 ± 10	✓
	D-7.1	07:51	5.50	21	1.4	69	0.3	0.02	2706 ± 30	2692 ± 10	✓
	C23-1-9	08:13	5.51	22	2.1	543	2.8	0.10	577 ± 3	549 ± 25	✓
	D-8.1	08:34	5.40	21	1.6	78	0.9	0.04	2717 ± 30	2690 ± 11	✓