

11 ST
2.31 %

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 14/2/99 UWA Mount No.: 98-102 Whose sample?: Edson Operator(s): JD, IRF

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 = 32 nanosecs
 actual 196-204 = 8.168 actual 204-bkg = 0.042 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5205

Primary = 4.4 nA PESABM = pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 30.5 Raster aperture (microns): 100 No. of scans: 6

Comments:

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?	
	S/2-1	12:48	6.27	26.3	2732	220	0.2	.01	572±1	584±20	
	S/2-2	13:06	6.10	26.0	2708	228	0.2	.02	603±1	487±19	✓
	B.5-1	13:41	5.80	26.4	2592	43	-	-	2990	2978±6	✓
	B.50-1	14:00	6.08	28.3	10870	168	36.4	.56	2587	2998±4	✓
	B.50-2	14:17	6.02	26.1	3733	52	1.2	.05	3092	3075±6	✓
	S/2-3	14:36	6.24	26.7	2721	214	0.6	.05	587±1	567±22	✓
	B.48-1	15:13	5.75	21.4	6261	97.1	28.5	.71	2765±7	2954±5	✓
	B.46-1	15:42	5.75	26.0	2683	43.9	0.4	.02	3087±12	2998±6	✓
	B.49-1	16:03	6.56	22.54	29185	256.1	25.4	.13	4293±6	2963±2	✓
	B.13.1	16:29	5.98	26.7	2833	39.6	-	-	3095±12	2974±6	✓
	S/2-4	16:50	5.96	25.6	2378	230.8	0.8	.07	574±1	580±20	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
BTF	B-151	17:16	6.11	26.3	3959	48.	1.7	.07	3304±11	3193±5	✓
	B-141	17:37	6.30	24.9	5181	60	0.6	.02	3117±10	3160±4	✓
	B-091	17:58	6.23	26.8	1659	229	2.4	.02	2798±4	2924±3	✓ ←
	B-181	18:18	6.34	22.8	6409	75	-	-	3449±10	3106±4	✓
	B-201	18:48	5.67	28.7	7198	142	74	1.4	2526±5	2926±6	✓
	S/2-5	19:08	5.98	25.4	2468	233	1.3	.10	588±1	518±20	✓
	B-21-1	19:34	6.44	27.3	16054	236	9.2	.12	2390±3	2800±3	✓
	B-24-1	19:53	6.33	24.0	3798	48	2.1	.09	3150±11	2979±6	✓ ←
	B-39-1	20:17	6.15	25.9	7147	88	2.4	.05	3254±8	3127±4	✓
	B-38-1	20:47	6.18	25.5	3699	54	0.9	.04	2838±9	2975±6	✓ ←
	S/2-6	21:07	6.05	26.5	2443	216	0.6	.04	582±1	596±18	✓
	B-35-1	21:28	5.56	23.8	4713	109	11.1	.24	2746±8	3175±5	✓
	B-29-1	21:59	5.82	23.0	8817	182	8.5	.11	2724±5	3035±4	✓
	B-27-1	22:27	5.85	24.6	3211	53	8.6	.35	3054±11	2985±7	✓ ←
?	B-52-1	22:57	6.03	24.5	1118	89	1.0	.18	201±1	608±34	✓ ?
	B-25-1	23:19	6.44	25.2	5039	72	26	.93	2606±7	3076±6	✓
	S/3-1	23:41	5.85	26.2	2336	232	0.2	.06	585±1	505±22	✓
	B-44-1	00:02	6.06	25.9	5669	73.5	2.5	.06	3236±9	3111±4	✓
	857-B14-1	00:29	5.94	28.1	3536	85.4	2.6	.13	1912±5	2139±9	✓
	857-B15-1	00:56	6.24	24.5	8111	158	26.0	.57	2745±4	2235±7	✓
	857-B17-1	01:18	6.40	24.6	8479	155	4.0	.87	2325±4	2157±5	✓
	857-B7-1	02:02	6.24	26.9	8643	170	5.3	.12	2064±4	2138±5	✓
	857-B2-1	02:24	6.23	26.5	2730	211	-	-	572±1	563±14	✓
	857-B25-1	02:53	6.44	26.8	7313	187	8.6	.26	1503±2	1999±7	✓
	857-B24-1	03:27	5.72	27.2	4148	95	8.8	.32	2298±6	2177±9	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	S/S7B-6-1	04:02	6.57	13.1	7864	233	380	.54	2324±5	2221±6	✓
	S/S102-4-1	04:48	6.17	26.0	2616	216	—	—	592±1	575±14	✓
	S/S102-A1-1	05:09	6.03	25.6	2466	32	0.3	.02	3299±14	3161±6	✓
	S/S102-A2-1	05:29	6.02	25.7	2965	102	0.8	.01	3349±8	3154±4	✓
	S/S102-A4-1	05:49	6.02	25.8	1779	78	1.0	.07	3325±12	3154±8	✓
	S/S102-A5-1	06:07	6.12	26.0	11179	152	0.5	.01	3030±6	3058±3	✓
	S/S102-4-2	06:27	6.22	24.4	2604	211	0.5	.04	624±1	496±21	✓
	S/S102-A5-2	06:46	6.07	25.3	6391	83	—	—	3282±9	3146±4	✓
	S/S102-A5-1	07:06	6.03	24.2	4324	70	2.0	.06	2905±9	3142±5	✓
	S/S102-A5-1	07:29	6.03	25.4	2344	95	—	—	3333±8	3152±4	✓
	S/S102-A5-1	07:48	6.05	25.4	3049	39	0.9	.04	3334±13	3152±6	✓
	S/S102-4-3	08:08	6.02	25.6	2505	230	—	—	586±1	566±14	✓
	S/S102-A12-1	08:31	6.03	25.7	4590	58	0.9	.03	3354±11	3134±5	✓
	S/S102-A11-1	08:49	5.90	24.9	4047	58	—	—	3293±11	3140±5	✓