

— Follows from 96-61 —

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
3/8/98	98-29	Joas	McN + JD

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	30/10*	10	5	5	2
Phanerozoic Delay time (secs):	78	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040^s amu Dead-time = 32 nanosecs

actual 196-204 = 8.163 actual 204-bkg = 0.045 expected resolution = >4200

actual 206-207 = 0.999 actual 206-208 = 1.998 actual resolution = 492.7

Primary = 2.6 nA PESABM = 34 pA actual Primary : PESABM (= 50:1) = 76.5

Raster time (mins): 1/2* Raster aperture (microns): 120 No. of scans: 6

Comments: D = 21337 (Joas: soccer balls)

* Switched to 2 minutes for RASTER

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 196-204 Corr- 206-207 206-208
	Sl. 4-1	15:24	5.97	12.9	1443	220	1.4	.12	571 ± 1 486 ± 29	8.163 0.999 1.998
	Sl. 4-2	15:43	5.85	13.3	1456	232	0.5	.03	564 ± 1 559 ± 20	— " —
.76	D. 1-2	16:02	5.87	13.2	1321	58.6	2.8	.20	1822 ± 8 2450 ± 13	— " —
.81	D. 1-3	16:20	5.67	13.3	1720	82.5	0.9	.05	1881 ± 7 2436 ± 12	— " —
	Sl. 4-3	no print out...				244	0.9	.07	565 ± 1 530 ± 29	
	Sl. 4-4	17:13	5.85	12.9	1445	236	0.9	.08	569 ± 1 565 ± 28	8.163 0.999 1.998
.48	D. 2-2	17:37	5.84	13.2	1221	120	0.6	.06	902 ± 2 1473 ± 21	"
.23	D. 4-1	17:56	6.06	13.6	1405	135	0.7	.06	799 ± 2 1168 ± 19	"
1.32	D. 5a-1	18:17	5.93	13.5	6483	141	0.8	.01	3157 ± 8 2680 ± 5	"
	Sl. 1-1	18:39	5.84	13.6	1433	230	1.7	.14	566 ± 1 618 ± 30	8.163 0.999 1.998
.52	D. 5b-1	18:59	5.93	12.9	794	77	0.4	.07	898 ± 3 1037 ± 36	

Raster = 1 minute
* →

turned off HT to add new sample

Mount/sample No: UWA 98-29 Date: 3/8/98 Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	¹⁹⁶ K cps	²⁰⁶ Pb cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma)		²⁰⁴⁻¹⁹⁶ ²⁰⁷⁻²⁰⁶ Corr. ²⁰⁸⁻²⁰⁶
Th/U									206/238	207/206	
.65	D.6-1	19:18	5.77	13.3	1962	79	3.9	.19	2078±8	2273±11	"
1.17	D.7-1	19:37	5.82	13.3	1634	92	2.1	.13	1572±5	1876±14	"
.54	D.8-1	19:57	5.77	13.2	821	79	0.1	.01	964±3	1646±20	"
	sl.1-2	20:17	5.84	13.1	1411	233	2.2	.18	558±1	506±32	"
.76	D.9-1	20:37	5.92	13.2	2194	167	0.6	.03	1100±2	1759±12	"
.69	D.32-1	20:58	5.66	13.1	1405	81	1.7	.11	1634±6	2056±14	"
.56	D.33-1	21:26	5.87	13.1	1401	90	1.2	.09	1824±4	2037±13	"
.81	D.33-1	21:46	5.90	13.0	1834	86	1.9	.11	1748±6	2152±11	"
	sl.1-3	22:06	5.67	13.1	1326	237	1.1	.09	572±1	559±30	"
.63	D.33-2	22:25	5.84	12.7	1402	73	0.7	.05	1667±6	2442±11	"
.75	D.34-1	22:45	6.03	12.7	1004	107	-	-	784±1	1146±19	"
.98	D.10-1	23:05	5.84	13.4	1635	70	0.0	.00	1890±7	2370±10	"
1.10	D.11-1	23:24	5.72	12.8	1658	93	0.1	.01	1655±6	2149±11	"
	sl.1-4	23:43	5.94	13.2	1422	223	0.7	.06	552±1	623±26	"
.17	D.13a-1	00:03	5.73	13.3	1424	64	0.1	.01	1934±8	2866±9	"
.74	D.13b-1	00:25	5.83	13.3	2763	132	0.4	.01	1749±5	2698±8	"
.81	D.14-1	00:44	6.00	13.1	921	47	0.2	.02	1523±7	2043±17	"
	D.15-1	01:03	5.96	12.9	6343	222	1.5	.02	2186±5	2632±5	"
	sl.1-5	01:23	5.77	13.1	1393	234	0.1	.00	569±1	614±20	"
	D.16-1	01:42	5.84	12.9	781	76	2.1	.29	940±3	1156±30	"
	D.17-1	02:01	5.94	12.8	1625	55	0.7	.04	2272±10	2481±11	"
	D.18-2	02:20	5.85	12.8	1748	75	2.3	.13	1947±7	2197±11	"
	D.18-3	02:40	5.75	12.7	3851	172	1.9	.04	2002±5	2313±6	"
	sl.1-6	02:59	5.82	13.0	1465	233	-	-	591±1	528±19	"
	D.19-1	03:19	5.86	13.0	1136	70	2.2	.19	1384±5	2142±15	"

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196	206	U	204Pb	f ₂₀₆	Age ±1σ (Ma)		204-196 207-206 Corr. 208-206
				cps	cps	ppm	ppb	%	206/238	207/206	
	D. 20-1	03:37	5.81	13.3	3870	173	1.3	.03	1869±5	2359±7	"
	D. 21a-1	03:57	5.93	12.8	2826	132	2.5	.09	1742±5	2134±9	"
	D. 21a-2	04:15	5.80	13.2	1623	63	0.9	.05	2122±9	2509±10	"
	sl. 2-1	04:35	5.87	13.0	1449	231	—	—	575±1	568±19	"
	D. 21b-1	04:53	5.87	13.0	1679	87	1.1	.06	1624±6	2449±13	"
	D. 23a-1	05:12	5.79	12.9	1575	74	1.0	.06	1854±7	2708±10	"
	D. 23-1	05:32	5.73	13.1	1161	94	—	—	1165±4	1830±14	"
	D. 24a-1	05:50	5.79	13.0	861	94	0.7	.09	861±2	1133±30	"
	sl. 2-2	06:09	5.89	13.0	1439	229	0.4	.04	568±1	536±40	"
	D. 26-1	06:29	5.96	12.7	1397	58	2.5	.18	1914±8	2337±13	"
	D. 35-1	06:49	5.76	13.1	2138	76	2.4	.10	2338±9	2503±9	"
	D. 36-1	07:08	5.77	13.0	1666	81	1.2	.07	1811±7	2287±11	"
	D. 37-1	07:25	6.01	12.5	1544	158	—	—	840±2	1358±14	"
	sl. 2-3	07:43	5.90	13.0	1435	228	1.7	.12	564±1	542±34	"