

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 15/8/99 UWA Mount No.: 99-12 Whose sample?: Petra R. Operator(s): JD/PR

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 = 8.169 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5100
 Primary = 3.7 nA PESABM = 39 pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: C = Mandalay Hill

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	Offsets OK?
									206/238 207/206	
	Sl. 16-1	14:38	5.05	13.6	1216	220	—	—	572 ± 1 625 ± 24	
	Sl. 17-4	15:00	5.21	13.1	1297	215	3.3	.29	568 ± 1 553 ± 44	✓
	C. 36-1	15:20	5.38	12.6	1284	625	—	—	182 ± 1 154 ± 28	✓
	C. 37-1	15:54	5.06	13.0	638.9	386	—	—	183 ± 1 116 ± 40	✓
	Sl. 1-1	16:15	5.26	12.7	1197	199.5	0.9	0.09	562 ± 2 516 ± 38	✓
	C. 31-1	16:42	5.43	12.1	281			0.55		✓
	C. 35-1	17:08	5.06	12.78	210			0.067		✓
	Sl. 1-2	17:34	5.01	12.65	1092	220	0.6	0.047	572 ± 2 557 ± 32	✓
	C40-1	17:55	5.47	12.29	1054	520	0.3	0.033	175 ± 1 140 ± 36	✓
	C41-1	18:17	5.12	11.59	778	436	—	—	169 ± 1 235 ± 34	✓
	C42-3	18:40	5.30	12.15	2082	1081	2.2	0.13	188 ± 1 149 ± 30	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	C.98-1	19:10	5:32	12.43	128	362	—	—	34 ± 1	—	✓
	S.3-4	19:32	4:95	12.68	1146	240	0.7	0.052	579 ± 2	559 ± 32	✓
	C.18-2	19:52	5:30	13.58	658	375	—	—	154 ± 1	—	✓
	C.19-2	20:14	5:03	13.10 12.10	237	186	0.5	0.21	144 ± 1	179 ± 108	✓
	C.20-1	20:37	5:23	13.0	535	287	-0.2	/	180 ± 1	203 ± 42	✓
	C.42-1	21:03	5:26	12.5	124	323	0.3	.22	38 ± 1	/	✓
	S.1.4-1	21:22	4:98	12.4	1138	242	2.4	.18	567 ± 1	577 ± 38	✓
	D.8-1	21:41	5:37	12.3	464	185	1.3	.35	229 ± 1	195 ± 86	✓
	D.7-1	21:59	5:34	12.4	264	107	0.9	-.42	229 ± 1	/	✓
	D. 8 ¹⁰ -1	22:32	5:08	12.4	227	108	1.1	.46	241 ± 1	/	✓
	D.11-1	22:49	5:31	12.8	192	76	-0.3	/	235 ± 1	356 ± 67	✓
	S.1.4-2	23:09	5:21	12.8	1205	204	-1.2	/	571 ± 1	585 ± 24	✓
	D.13-1	23:27	5:39	12.4	261	101	0.0	.01	232 ± 1	242 ± ?	✓
	D.13-2	23:45	5:26	13.3	174	69	-0.6	/	231 ± 1	228 ± 74	✓
	D.15-1	00:03	5:32	13.1	163	64	0.7	.57	226 ± 1	311 ± 182	✓
	D.14-1	00:21	5:07	13.3	190	85	0.8	.46	240 ± 1	/	✓
	S.1.6-1	00:40	5:06	13.1	1206	224	1.1	.09	578 ± 1	598 ± 24	✓
	D.14-2	00:58	5:04	13.3	193	92	1.2	-.45	249 ± 1	/	✓
	D.14-3	01:16	5:08	12.18	184	87	—	—	245 ± 1	276 ± 70	✓