

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 23/10/95 UWA Mount No. UWA 95-24 Whose sample? Pollard Operator(s) McN - Yummin

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	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.163 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 1.7 nA PESABM = 26 pA actual resolution = 4600
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 65.4

Comments: 3 minutes RASTER @ 100µ

Sample C = SA17

7 scans up to here; thereafter 5 scans -
* calibration std

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	std 2-1	16:35	5.63	4.6K	450	220*	-2.2	-	572±1	0	208
	std 2-2	17:03	5.90	13.8K	1289	220*	0.4	.06	572±1	541±20	208
	std 2-3	17:20	6.11	12.1K	1305	220*	3.4	.12	571±1	567±24	208
✓	C. 1-1	17:39	6.76	11.9K	2205	153	1.9	.12	992±3	1516±18	204
✓	C. 2-1	17:57	6.00	11.3K	2996	220	10.2	.31	1397±4	1467±16	204
✓	std 2-4	18:15	6.01	11.5K	1216	226	1.2	.10	577±1	618±24	208
✓	C. 3-1	18:32	6.97	11.0K	5.6K	285	130	3.24	1266±3	1516±27	204
✓	C. 4-1	18:55	5.96	11.4K	2092	136	3.0	.13	1566±5	1515±15	204
✓	C. 5-1	19:12	5.72	13.2K	1714	138	31.9	1.66	1274±5	1469±37	204
✓	C. 6-1	19:30	6.44	11.1K	2982	¹⁵² 40	60.3	2.22	1569±5	1559±29	204
✓	std 2-5	19:50	6.03	11.5K	1218	221	2.3	.11	579±1	582±25	208

Restore all

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
/	C7-1	20:08	6.38	11.7K	2734	172	22.2	.91	1292±4 1542±22	204
/	C8-1	20:25	6.55	11K	6050	416	10.7	.21	1178±2 1413±10	204
Delete (at ThO)	C9-1	20:45	6.04	12.2K	1710	105	0.6	.03	1489±5 1543±16	204
/	C10-1	21:01	5.94	11.9K	2120	156	37.1	1.5	1354±4 1561±31	204
/	C11-1	21:19	6.07	12.1K	1192	80.3	35.9	2.99	1325±6 1607±56	204
/	Sl 2-6	21:39	5.99	12.2K	1270	225	1.2	.03	573±1 584±24	208
/	C12-1	21:57	6.55	11.5K	2843	175	111.4	4.7	1201±4 1610±42	204
/	C13-1	22:14	6.16	10.9K	2764	178	4	.14	1498±4 1552±14	204
/	C14-1	22:30	6.64	10.6K	447 276	276 276	0.8	.02	1204±3 1417±11	204
Rough data	C15-1	22:53	6.59	10.5K	4411	513	65.1	1.7	725±1 1513±22	204
/	C16-1	23:12	6.01	11.3K	3822	247	1.9	.04	1558±4 1532±10	204
/	Sl 2-7	23:30	6.03	11.9K	1238	226	3.8	.16	557±1 539±25	208
Delete (at ThO)	C17-1	23:49	6.03	12.6K	1695	128	19.5	1.2	1203±4 1505±32	204
/	C18-1	0:06	5.89	13.2K	1972	120	1.0	.04	1518±5 1560±15	204
/	C19-1	0:23	6.1	11.4K	2401	156	1.2	.05	1469±4 1536±13	204
/	Sl 4-1	0:44	5.898	12.4K	1234	227	0.4	.05	580±1 563±24	208
/	C20-1	1:02	6.30	11K	8187	474	118.8	1.5	1511±3 1546±15	204
/	C21-1	1:19	6.55	12K	6256	384	3.1	.06	1203±2 1349±9	204
/	C22-1	1:42	5.96	11.5K	3891	310	171.8	3.96	1249±3 1497±36	204
/	C23-1	1:59	7.23	10.3K	4080	306	70	2.46	864±2 1558±27	204
/	C24-1	2:16	6.69	11K	3906	256	63.8	1.99	1144±3 1534±35	204
/	Sl 4-2	2:35	6.17	11.6K	1273	216	3.	.17	571±1 587±24	208
/	C25-1	2:53	5.9	11.7K	1640	110	-0.6	/	1536±6 1543±14	/
/	C26-1	3:11	6.39	12K	2989	178	111.3	4.3	1272±4 1617±39	204
/	C27-1	3:29	6.03	11.6K	1379	85	5.8	.4	1569±7 1462±25	204

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

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.
✓	C28-1	3:47	6.52	11.3K	3083	228	56.6	2.1	1070±3 1611±28	204
✓	C29-1	4:04	5.84	12.2K	3179	204	30.6	.85	1588±4 1500±22	204
✓	C30-1	4:27	6.46	11.9K	3895	257	51.5	1.5	1223±3 1467±24	204
✓	S14-3	5:27	5.8	12.7K	1171	231	-0.1	.09	571±1 533±25	208
✓	C31-1	5:47	5.92	11.8K	1414	142	26.4	1.7	1034±4 1487±41	204
✓	C32-1	6:04	5.74	12.1K	2778	198	55.9	1.7	1524±5 1494±28	204
✓	C33-1	6:23	6.49	9.1K	5384	553	426	7.4	922±2 1471±43	204
✓	C34-1	No printout								