

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 16/7/96 UWA Mount No. 96-39 Whose sample? J Smith Operator(s) J Smith

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 ✓
 Phanerozoic* 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 = 3.2 nanosecs
 actual 196-204 = 8.16978 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.00136 actual 206-208 = 1.99767 actual resolution = 4980

Primary = 2.6 nA PESABM = 4.5 pA actual Primary : PESABM (= 50:1) = 57:1
 Raster time (mins): 2/3 Raster aperture (microns): 100 No. of scans: 7

Comments: A N4413 1 → 15
 B N3132a 5 → 8

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 % (204)	Age ±1σ (Ma) 206/238 (208)	207/206 (204)	Comments
				K							No outliers
Th (ppm)											
12.2	639.1-1 s639.1-1	11-37	6.81	17	1992	220	1.5	0.13	571	550	Calib
12.3	s639.1-2	12-03	6.83	16.6	2084	233	4.4	0.35	594	483	No outliers
32.1	u639A1.1	12-31	6.91	16.8	3339	52	2.0	0.07	3131	3128	No outliers
12.6	s639.1-3	12-56	6.80	17.9	2187	228	3.5	0.28	571	580	No outliers
28 raster 3 mins	u639A2.1	13-35	7.07	17.1	3200	46	3.7	0.16	3116	3123	No outliers
36	u639A3.1	14-14	6.79	17.9	3774	58	2.1	0.07	3116	3123	No outliers
12.0	s639.1-4	14-40	6.88	17.7	2112	217	3.4	0.29	570	555	No outliers
22.7	u639A4.1	15-10	6.92	17.0	2880	44	1.1	0.05	—	3122	No outliers
64	u639A5.1	15-39	6.85	17.9	5547	84	1.1	0.02	—	3124	No outliers
31	u639A6.1	16-26	6.41	21.0	3529	55	2.0	0.07	—	3116	Reused hole after cleaning in PE9 No outliers
55	u639A7.1	16-56	6.90	18.1	5728	84	2.0	0.05	—	3128	No outliers

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Th (ppm)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps K	206 cps	U ppm	204Pb ppb	f206 % (204)	Age ±1σ (Ma) 206/238 (208)	207/206 (204)	Comments
12	s/639.1-5	1722	6.87	17.7	2241	218	3.0	0.24	599	583	No outliers
65	u639A8.1	1751	6.64	18.3	5288	93	1.6	0.03	—	3097	No outliers
18	u639A9.1	1815	6.87	18.2	2933	43	1.7	0.07	3112	3128	No outliers
41	u639A10.1	1844	7.04	16.8	4560	67	3.9	0.11	—	3121	No outliers
40	u639A11.1	1908	6.88	18.7	4330	63	2.3	0.07	—	3125	No outliers
12	s/639.1-6	1932	6.90	17.7	2155	219	1.3	0.11	569	595	No outliers
47	u639A12.1	2004	6.86	18.2	4645	69	1.3	0.03	—	3120	No outliers
71	u639A13.1	2028	7.07	18.1	6716	92	1.6	0.03	3126	3122	No outliers
123	u639B5.1	2055	6.57	19.2	6986	130	2.9	0.54	—	2958	No outliers
246	u639B6.1	2120	6.92	17.7	1493	232	9.1	0.08	—	2991	No outliers
12	s/639.1-7	2143	6.95	16.8	2151	221	2.5	0.20	581	573	248#1
26	u639A14.1	2208	6.89	18.0	3071	44	1.2	0.05	3163	3130	No outliers
38	u639A15.1	2233	6.71	17.7	3741	59	3.4	0.11	3213	3114	No outliers
217	u639B7.1	2302	7.03	16.9	15554	249	27.6	2.49	2882	2936	No outliers
192	u639B8.1	2331	6.75	18.3	11423	183	2.6	0.03	—	2991	No outliers
12	s/639.1-8	0001	6.76	18.7	2107	215	3.0	0.26	568	518	No outliers
	u639A16.1	NOT DONE									
		1° unstable Power Failures									