

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 11/8/96 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 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 = 32 nanosecs
 actual 196-204 = 8.16232 actual 204-bkg = 0.05271 expected resolution = >4200
 actual 206-207 = 1.00139 actual 206-208 = 1.99871 actual resolution = 5100

Primary = 1.8 nA PESABM = 32 pA actual Primary : PESABM (= 50:1) = 56
 Raster time (mins): 2.3 Raster aperture (microns): 100 No. of scans: 7

Comments: B: N3132 9 → 24 (20 spots)
 A: N4413 16 → 24 (9 spots)
 C: N4259 1 → 2 (2 spots)

Th (ppm)	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 outliers
												Calib.
12		s/639.5-1	1356	6.79	12.3	1397	220	3.0	0.25	571	559	None
13		s/639.5-2	1418	6.81	12.0	1475	231	5.2	0.41	580	531	None
256		u/639B9.1	1443	7.36	12.0	7246	138	2.22	3.33	-	3035	None
12		s/639.5-3	1511	6.96	11.6	1423	226	3.5	0.29	568	525	None
12		s/639.5-4	1554	6.79	12.7	1403	215	6.2	0.54	566	502	None
236		u/639B10.1	1618	7.05	11.3	11328	282	190	1.55	2832	2919	None
374		u/639B11.1	1642	7.28	11.4	10106	451	4.16	4.69	1592	2180	None
272		u/639B12.1	1706	6.95	12.1	1092	289	38.8	0.34	2714	2875	None
13		s/639.5-5	1728	6.69	12.7	1440	228	5.3	0.43	575	486	206#1
69		u/639B13.1	1753	6.43	14.6	4513	128	7.6	0.15	2641	2785	None
220		u/639B14.1	1820	6.63	12.0	5260	145	83.8	1.28	2927	2965	None

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)		Comments
										206/238 (208)	207/206 (204)	
196		u639B15.1	1845	6.86	12.3	9133	227	70	0.71	2863	2950	None
159		u639B16.1	1909	6.83	11.7	8621	233	47	0.67	—	2955	None
12		s/639.5-6	1932	6.93	12.1	1432	216	4	0.34	569	490	218#1
408		u639B17.1	1957	7.48	12.3	11994	351	218	2.25	—	2608	None
149		u639B18.1	2023	6.94	12.5	7607	183	82	1.03	2795	3097	None
54		u639B19.1	2047	6.70	11.9	3139	84	10	0.27	—	2980	None
87		u639B20.1	2111	6.62	12.2	2640	74	21	0.66	—	2961	None
12		s/639.5-7	2135	6.87	11.7	1344	220	4.4	0.35	556	581	None
209,587	Delete	u639B21.1	2203	20.5	0.4	1616	80K	403K	5.11	5206	3011	No 196 Delete
72		u639B22.1	2229	6.95	12.6	2927	84	30	1.04	2371	2810	None
517		u639B10.2	2251	6.42	12.6	7914	444	218	2.31	1627	2459	None
83		u639B13.2	2316	6.47	13.0	4953	125	15	0.25	3154	2836	None
12		s/639.5-8	2338	6.90	11.8	1361	217	6.6	0.58	558	450	None
65		u639B13.1	0001	6.89	11.6	3056	80	24	0.69	2872	2975	None
216		u639B12.2	0026	6.80	11.5	10216	273	14	0.11	—	2984	None
276		u639B24.1	0048	6.86	11.5	4546	126	108	2.04	—	2964	None
274	→	u639B14.2	0112	6.38	11.1	6360	186	45	0.47	—	2974	10 stepped down 208,238#5
13		s/639.5-9	0137	6.32	14.0	1434	246	9.8	0.75	571	426	None
48		u639A16.1	0203	6.33	10.6	1812	73	5.7	0.19	—	3116	None
12		s/639.3-1	0228	7.03	11.9	1489	215	3.6	0.31	577	534	None
58		u639A17.1	0254	6.70	12.8	3635	84	6.9	0.16	—	3120	None
39		u639A18.1	0321	6.86	12.2	2679	60	4.5	0.14	—	3122	None
36		u639A19.1	0347	6.85	12.0	2423	55	3.3	0.11	—	3123	None
47		u639A20.1	0412	6.78	12.4	3054	70	5.1	0.14	—	3114	None
12		s/639.3-2	0437	6.88	12.6	1509	222	6.1	0.51	571	477	None

Mount/sample No: 96-39

Date: 11-8-96

Page No: 3

Th (ppm)
58
35
39
36
12
40
47
12

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f ₂₀₆ % (20A)	Age ±1σ (Ma) 206/238 (20B)	207/206 (20C)	Comments Outliers
	u639A21-1	0515	6.86	12.6	3847	85	4	0.10	—	3119	None
	u639A22-1	0538	6.60	12.7	2203	54	7.2	0.27	—	3113	None
	u639A23-1	0604	6.84	12.3	2620	60	3	0.11	—	3125	None
	u639A24-1	0627	6.89	12.3	2710	60	5	0.18	—	3117	None
	s639.3-3	0650	6.81	12.6	1470	224	8	0.72	569	467	None
	u639C1.1	0714	6.86	12.7	3656	83	4	0.12	3045	3010	None
	u639C2.1	0738	6.72	12.4	3691	91	6	0.14	—	3022	None
	s639.3-4	0801	6.90	11.9	1445	224	7	0.63	579	444	None