

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 3/8/96 UWA Mount No. 96-44 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 = actual 204-bkg = expected resolution = >4200
 actual 206-207 = actual 206-208 = actual resolution =

Primary = 2.8 nA PESABM = 4.2 pA actual Primary : PESABM (≈ 50:1) = 66
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: 6 x 1 scans
AN4097

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
12	? Throw out-cts dropped scan ²	S/644.2-1	11.37	6.57	4.8	492	220	0.5	0.04	—	325	Outliers calib 2σ steering drifting
12	cps decay thru analysis	S/644.2-2	12.18	7.22	9.2	1092	220	0.1	0.01	571	509	calib 2σ steering drift
25		u644A1.1	12.54	7.03	14.8	2267	47	2.6	0.11	3024	3032	stable No outliers
12		S/644.2-3	13.23	7.01	14.3	1613	220	2.6	0.16	571	588	calib-stable No outliers
12		u644A2.1	13.47	7.12	14.6	1400	26	2.4	0.18	—	3002	No outliers
45		u644A3.1	14.31	7.34	14.1	3078	56	0.6	0.02	3081	3030	No outliers
12		S/644.2-4	14.51	7.09	15.0	1797	221	1.8	0.14	584	475	No outliers
40		u644A4.1	15.13	6.96	14.7	2732	60	18.1	0.68	2907	3036	No outliers
30		u644A5.1	15.36	7.01	14.0	3785	80	1.5	0.04	—	3013	No outliers
28		u644A6.1	15.56	7.08	13.8	1867	40	-1.3	—	2974	—	No outliers
12		u644A7.1	16.26	6.67	15.5	1331	28	1.9	0.13	3157	3010	No outliers

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12		sl644.2-5	1648	7.02	15.6	1929	225	0.1	0.01	—	617	No outliers
24		u644A8.1	1711	6.85	16.7	1805	34	1.8	0.11	—	2993	No outliers
13		u644A9.1	1733	6.93	16.3	1182	22	0.3	0.02	3052	3011	No outliers
38		u644A10.1	1803	6.89	14.9	2583	52	0.2	0.00	—	2995	No outliers
10		u644A11.1	1828	6.92	16.6	1189	21	1.4	0.13	—	3036	No outliers
13		sl644.2-6	1900	6.53	16.3	1708	248	2.3	0.16	576	558	No outliers
22		u644A12.1	1924	7.03	16.0	1881	35	4.3	0.26	—	2996	238 #1
49		u644A13.1	1946	7.03	15.4	3377	64	3.5	0.11	—	3005	No outliers
16		u644A14.1	2008	6.93	15.3	1655	33	2.2	0.13	3042	3047	No outliers
9		u644A15.1	2039	6.62	16.2	1058	22	0	—	—	—	No outliers
12		sl644.2-7	2106	6.77	15.4	1663	28	1.7	0.14	580	472	No outliers
27		u644A16.1	2128	7.09	14.2	1837	38	3.4	0.19	—	2998	No outliers
19		u644A17.1	2149	7.04	14.8	1566	31	2.3	0.16	—	3001	No outliers
28		u644A18.1	2210	6.72	13.7	1684	42	2.4	0.12	—	2985	No outliers
32		u644A19.1	2229	7.08	14.7	3205	64	3.8	0.12	—	3010	No outliers
13		sl644.2-8	2249	6.81	14.2	1677	242	2.0	0.14	587	535	No outliers
44		u644A20.1	2310	6.97	14.9	3026	61	2.0	0.06	—	3012	No outliers
12		u644A21.1	2331	7.31	14.7	1327	26	1.0	0.09	2831	3048	No outliers
24		u644A22.1	2357	7.29	14.3	1855	36	0.2	—	—	—	No outliers
51		u644A23.1	0017	6.71	13.9	2607	61	1.9	0.06	—	3038	No outliers
12		sl644.2-9	0038	7.12	14.2	1798	223	0.6	0.04	—	580	No outliers