

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 3/11/96 UWA Mount No. 96-68 Whose sample? J. Smith Operator(s) JBS

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 = 8.17676 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.00039 actual 206-208 = 1.00068 actual resolution = 4912

Primary = 2.4 nA PESABM = 40 pA actual Primary : PESABM (≈ 50:1) = 60:1
 Raster time (mins): 3 Raster aperture (microns): 100 No. of scans: 7

Comments: 96-68 B N4450 RM granite 1 → 27 (26 spots) (no 12.1)
 96-68 A N4331 Stn Whundo pegmatite 1 → 8 (8 spots)

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 outliers
	12	s/668.2-1	1319	6.54	14.5	1332	226	0.3	0.02	572	572	None
	12	s/668.2-2	1343	6.41	15.0	1332	225	0.2	0.01	—	537	None
294		u668B1.1	1411	6.72	13.8	6064	286	40	0.61	—	2598	None
297		u668B2.1	1435	6.86	13.1	9421	284	38	0.38	—	2789	None
	12	s/668.2-3	1457	6.83	13.5	1254	211	0	—	526	—	206#1
461		u668B3.1	1520	7.25	11.7	5208	454	84.0	16.2	753	2492	None
204		u668B4.1	1541	6.82	13.5	6177	176	6.4	0.09	—	2895	None
149		u668B5.1	1604	6.55	14.2	4227	119	8.6	0.17	—	2922	208#7 206#7
269		u668B6.1	1628	7.02	12.8	8341	245	6.7	0.07	2513	2878	None
	12	s/668.2-4	1651	6.49	14.3	1193	220	0	—	529	—	206#1
		u668B7.1	1714	6.67	13.4	6606	188	5.0	0.06	—	2914	None

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										206/238 (208)	207/206 (204)	
244		u668B8.1	1738	7.09	12.3	7706	233	2.45	2.9	2407	2882	None
569		u668B9.1	1801	7.18	11.2	6237	347	13.15	19.58	1241	2537	None
140	¹⁰ stepped down	u668B10.1	1824	6.36	12.6	5545	168	1.9	0.02	-	2933	None
12		s668.2-5	1846	6.58	14.2	1326	220	1.6	0.13	568	543	None.
286		u668B11.1	1908	7.12	12.6	9244	273	138	1.4	2415	2810	None
98		u668B13.1	1932	6.64	14.6	4052	110	12.0	0.26	-	2908	None
160		u668B14.1	1956	6.85	13.5	6834	175	6.1	0.08	-	2899	None
		u668B15.1	2021	6.74	13.3	5064	135	1.6	0.02	2888	2960	None
12		s668.2-6	2044	6.83	12.3	1244	211	0.4	0.03	570	540	None
232		u668B16.1	2106	6.92	12.5	9215	257	5.2	0.05	-	2892	None
155		u668B17.1	2130	6.81	12.5	5255	152	4.2	0.06	-	2923	None
193		u668B18.1	2151	6.82	12.5	6813	234	5.1	0.06	-	2811	None
155		u668B19.1	2236	7.15	12.6	6596	164	6.2	0.09	-	2915	None
11		s668.3-1	2300	6.95	12.8	1292	203	-0.1	-	-	559	None
201		u668B20.1	2323	7.16	11.9	8263	233	5.6	0.06	-	2858	None
1337		u668A1.1	2347	6.73	10.5	17723	1693	1847	7.53	995	2560	None
96		u668B21.1	0011	7.05	12.7	4149	110	9.3	0.21	-	2916	U#1
106		u668B22.1	0036	6.90	12.8	4567	122	0.9	0.01	-	2941	None
12		u668B22.1 s668.3-2	0100	6.73	12.7	1206	210	0.7	0.06	-	497	None
207		u668B23.1	0123	6.89	12.6	5868	184	12.3	1.84	-	2918	None
177		u668B24.1	0147	6.93	12.6	7204	187	2.3	0.02	-	2929	None
259		u668B25.1	0210	6.90	13.0	7201	224	11.4	0.14	-	2910	None
195		u668B26.1	0238	7.00	12.2	7536	201	3.7	0.04	-	2891	None
11		s668.3-3	0304	6.97	12.2	1254	201	0.0	0.00	-	603	None
239		u668A2.1	0334	6.88	12.1	14908	805	288	1.75	1566	2389	None

Th
(ppm)

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73	u668A3.1	0358	7.45	10.5	20964	1507	490	2.38	1100	2147	None
260	u668A4.1	0420	7.13	11.8	24646	1142	155	0.61	1652	2478	None
198	u688B27.1	0442	6.84	12.5	7715	232	2.0	0.02	—	2881	None
11	u668.3-4	0504	6.80	12.9	1214	206	0.8	0.07	551	617	None
416	u668A5.1	0527	7.06	9.7	18351	943	1417	5.9	1559	2472	None
10711	u668A6.1	0551	6.60	11.3	14732	1077	303	1.5	—	2616	None
114	u668A7.1	0613	7.28	10.3	17843	834	98.6	0.50	1838	2363	None
518	u668A8.1	0634	7.74	9.1	23089	2219	456	2.02	867	1839	None
12	u668.3-5	0656	6.61	12.8	1163	214	0.8	0.06	557	564	206#1