

**UWA DATA LOG: SHRIMP ZIRCON U-Pb**

Date 22-9-96 UWA Mount No. 96-48 Whose sample? JS Operator(s) JS

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
<b>Precambrian</b>	Count time (secs):	2	10	10	10	<u>30/10*</u> 10	5	5	2
<b>Phanerozoic*</b>	Delay time (secs):	7	3	1	2	1	3	2	2 ✓

expected 196-204 = 8.170 amu      expected 204-bkg = 0.040 amu      Dead-time = 32 nanosecs  
 actual 196-204 = 8.17      actual 204-bkg = 0.045      expected resolution = >4200  
 actual 206-207 = 1.00137      actual 206-208 = 1.99616      actual resolution = 4980  
 Primary = 1.7 nA    PESABM = 27 pA    actual Primary : PESABM (= 50:1) = 62:1  
 Raster time (mins): 3      Raster aperture (microns): 100      No. of scans: 7

Comments: 9648 B N 4357 Whundo dacite 7 →  
9648 D N 4128 Costean Granitoid 1 →

Th (ppm)	Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> % (204)	Age ±1σ (Ma) 206/238 (208)	207/206 (204)	Comments
												calib
12.3		s/648.1-1	1131	6.31	9.8	1104	220	2.5	0.21	571	571	None
12.1		s/648.3-1	1159	6.37	10.1	1128	214	0.3	0.03	561	579	reject scan 6 196#7, 204#7
17		u/648B7.1	1241	6.51	10.1	1069	28	4.4	0.32	3066	3112	204#1
10		u/648B8.1	1309	6.83	10.0	788	18	2.4	0.27	3175	3126	None
11.6		s/648.3-2	1333	6.57	10.0	1216	208	0.4	0.03	572	557	None
* 5.2	Set 710 → 724	u/648B9.1	1404	4.48	6.8	390	75	3.3	0.10	—	3111	stage vibrations
11	Set → 715	u/648B10.1	1430	7.27	9.4	859	17	0.3	0.04	3128	3144	None
36		s/648B11.1	1453	6.96	9.7	1886	41	3.7	0.17	—	3126	None
10		u/648B12.1	1522	7.11	9.7	883	18	2.0	0.21	3129	3128	None
11		s/648.3-3	1545	6.89	9.3	1221	197	2.9	0.28	568	528	None
7		u/648B13.1	1609	7.08	9.7	702	15	4.2	0.57	3075	3105	204#1, 238#1

Mount/sample No: 96-48

Date: 22-9-96

Page No: 2

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
6	u648B14.1	1632	6.89	9.6	567	12	3.9	0.60	3165	3118	None
17	u648B15.1	1656	7.16	8.7	1227	26	4.9	0.36	3219	3111	204#1 None
16	u648B16.1	1719	7.20	9.4	1247	26	1.4	0.11	3129	3135	None
10	s/648.3-4	1744	7.02	9.3	1254	188	0.8	0.07	575	575	None
6	u648B17.1	1810	6.78	100	619	14	15.1	2.14	3067	3113	None
14	u648B18.1	1835	7.13	9.2	1062	22	3.3	0.29	3168	3103	None
24	u648B19.1	1859	7.56	9.0	1557	29	0.5	0.03	3169	3135	None
80	u648D1.1	1926	6.96	9.5	3224	77	4.9	0.13	-	3013	204#1
10	s/648.3-5	1949	6.86	9.07	1204	195	-	-	563	561	248#1
66	u648D2.1	2012	7.32	8.9	3273	70	5.4	0.16	-	3009	None
103	u648D3.1	2033	7.12	9.4	4648	99	307	6.41	2983	3007	None
59	u648D4.1	2056	7.36	9.0	2919	61	3.5	0.12	-	3009	None
62	u648D5.1	2120	6.99	8.9	2429	60	3.6	0.13	-	3018	None
10	s/648.3-6	2143	7.10	9.0	1227	188	1.4	0.14	564	553	None
62	u648D6.1	2207	6.87	9.4	3544	89	9.0	0.22	-	3013	None
213	u648D7.1	2230	6.82	9.5	6539	170	9.4	0.12	-	3005	None
65	u648D8.1	2254	6.52	9.9	7252	224	10.6	0.11	-	2948	None
75	u648D9.1	2317	7.50	8.8	4419	89	5.0	0.11	-	3010	None
85	u648D10.1	2340	6.50	9.8	3746	107	9.0	0.18	2974	3005	None
10	s/648.3-7	0003	6.94	9.3	1190	189	1.4	0.13	562	579	248#1
119	u648D11.1	0027	6.53	9.8	4968	140	6.0	0.09	-	3021	None
87	u648D12.1	0049	7.02	9.1	4235	105	5.3	0.11	-	3007	None
154	u648D13.1	0112	7.29	8.6	5576	120	357	6.04	3051	3022	None
51	u648D14.1	0134	7.05	9.2	3480	84	7.6	0.20	2952	3013	None
109	u648D15.1	0157	7.26	8.7	5992	139	5.8	0.09	2972	3013	204#1 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) 206/238 (208)	207/206 (204)	Comments Outliers
10	u648.3-8	0222	7.01	9.0	1206	188	0.6	0.05	577	593	248#1
96	29 u648D16.1	0248	6.88	9.1	5405	141	175	2.74	2917	3005	None
51	30 u648D17.1	0313	7.18	8.8	2416	56	70	2.72	2965	3012	None
79	31 u648D18.1	0341	7.34	8.7	4592	102	10	0.22	2990	3015	None
58	32 u648D19.1	0406	7.08	8.9	2758	66	13	0.43	3031	3000	204#1
51	33 u648D20.1	0432	6.30	8.9	1797	60	19	0.70	3039	3010	None
11	u648.3-9	0505	6.65	9.7	1153	197	1.6	0.15	568	575	None
68	34 u648D21.1	0530	6.64	8.5	2383	72	5.4	0.16	—	3024	None
42	35 u648D22.1	0557	6.95	8.7	2595	66	11.0	0.35	3040	3004	None
83	36 u648D23.1	0621	7.01	8.9	3724	93	15.6	0.36	2971	3005	204#1
13	37 u648B20.1	0650	7.03	8.7	957	22	2.3	0.20	3129	3119	204#1 None
13	38 u648B21.1	0712	7.34	8.5	1035	22	2.8	0.25	3135	3116	None
10	u648.3-10	0737	7.24	8.7	1196	179	2.0	0.20	565	571	None
5	39 u648B22.1	0802	6.89	8.7	450	11	1.6	0.29	3140	3135	238#1
9	40 u648B23.1	0825	6.88	9.2	713	17	1.2	0.14	—	3139	None
27	41 u648B24.1	0850	5.08	8.3	497	42	2.3	0.12	—	3117	None
6	42 u648B25.1	0916	7.01	9.2	611	13	2.1	0.30	3188	3117	None
22	43 u648B26.1	0939	7.27	8.9	1310	28	2.6	0.19	3052	3132	None