

14/11 → 95-95 Mount with high 204!

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 14/11/95 UWA Mount No. 95-29 Whose sample? MARCUS R. Operator(s) IF + MR.

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
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2 ✓	10 ✓	10 ✓	10 ✓	10 ✓	10 ✓	5	5	2
	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 = 8.168 actual 204-bkg = 0.045 expected resolution = >4200
 Primary = 2.3 nA PESABM = u/s pA actual resolution = 4785
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = _____

Comments: @ change from 3 min / 100 μ to 5 min / 120 μ Raster.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
	sl 529.31	13:12	5.98	19	1870	—	24.	2.2	—	620 208
	sl 529.21	13:34	6.27	17	1938	216	28.	2.3	554	594 208
	2-2	14:03	6.08	19	1946	219	17.	1.5	553	617 208
	u 5290.11	14:32	7.11	19	485	28	12.	6.6	644	879 204
	21	—	abandon	—	—	v. high	204	—	—	—
	sl 23	15:18	6.18	19	1838	214	11.	1.4	522	543 208
	u 31	15:47	5.90	19	1172	135	33.	4.3	584	478 204
	4-1	16:12	6.74	17	2068	293	81.	8.4	329	638 204
	5-1	16:34	6.29	20	1792	151	22.	2.5	619	654 204
	sl 2-4	16:57	6.13	17	1840	212	20.5	1.8	563	583 208
	u 5290.6-1	17:36	5.89	23	256	14.5	24.8	17.7	810	928 204

Requires some reflections? (circled 238, 206, 207, 208)

SCAN 6.7 Required

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.	
208	104, 107 238, 254	u529C-6-2	18:03	6.11	18	314	22	35.	19.	725	262	204
	206, 238 248, 254	529C-7-1	18:29	6.07	18	1395	157	13.4	1.5	569	651	204
	196, 206 208	C-7-2	18:55	5.88	17	826	105	31.2	5.5	552	316	204
238	196 206, 207	SR529-2-5	19:29	5.72	21	1824	210	18.2	1.5	575	638	208
	196, 238 254	u529C-8-1	20:01	5.69	23	462	35	18.9	6.4	782	1113	204
	208	C-9-1	20:40	5.46	24	1600	52	36.6	3.0	1888	1984	204
	208, 248	C-10-1	21:21	5.70	24	185	12	14.8	13.9	784	557	204
	196, 238 248, 254	C-11-1	21:48	6.01	19	491	36	27.4	9.6	766	366	204
! delete	207	SR529-2-6	22:17	5.58	20	1856	228	16.0	1.1	641	552	208
	204, 248 254	C-12-1	23:12	5.95	22	445	30.5	20.9	8.7	737	821	204
	196, 206 238, 248	C-13-1	23:41	5.56	29	2896	71.	28.6	1.5	1984	2372	204
	206, 208	C-14-1	00:07	5.45	25	853	76	39.0	6.9	716	749	204
	206, 208 238, 248	C-15-1	00:34	5.72	23	620	47	20.2	5.4	771	810	204
	196, 248	SR529-2-7	01:04	5.77	23	2042	216	23.7	1.8	560	653	208
48	196, 206 207, 208	C-16-1	01:35	6.00 18.00	24	844	49.6	25.8	6.5	783	499	204
	248	C-17-1	01:59	5.83	25	196	11	28.9	22	759	88	204
238 254	196, 206 207, 208	C-18-1	02:20	5.86	22	1448	135	86.2	10.6	571	586	204
	248	C-19-1	02:46	5.83	23	429	29	16.3	6.6	789	910	204
206	208 248	529-2-8	03:11	5.70	23	2054	221	25.1	1.8	582	575	208
		C-20-1	03:39	5.74	21	798	66	31.2	6.0	755	933	204
206		C-21-1	04:03	5.57	21	8673	1167	20.0	0.3	555	595	204
254	196 238, 248	C-22-1	04:29	5.76	23	733	54	17.4	4.0	785	906	204
	206, 207 238, 248, 254	C-23-1	04:51	5.68	22	751	79	21.	4.5	600	536	204
	204, 206 248	529-2-9	05:17	5.68	22	2040	235	39.3	2.5	575	527	208
	196, 238	C-24-1	05:42	5.93	24	1243	80	21.4	3.3	797	706	204
	238 254	C-25-1	06:04	5.65	22	380	29	34.7	14.9	747	113	204
	206, 207 208	C-26-1	06:26	6.34	25	2324	183	92.4	10.4	460	785	204
206	238 254	529-2-10	06:50	5.90	22	2119	219	18.6	1.9	567	502	208