

UWA SHRIMP DATA LOG

Date: 18/8/00
 UWA Mount No.: A-49
 Whose sample?: Daniela U.
 Operator(s): IF + BR

Indicate any change to the following: 196 204 bkg 206 207 208²⁰⁹ 238 248 254 ~~270~~

Precambrian Count time (secs): 2 2 / 10 / 10 / 10/20* 30/40* 10 / 2 5 / 10 / 2
 Phanerozoic* Delay time (secs): 6 8 / 3 / 1 / 2 / 1 / 1 / 3 / 2 / 2 /

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻
 dead-time = 32 nanosecs expected resolution = >4200 actual resolution =
 aperture = 30 microns retardation lens = 0.0014 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000
 Actual: 196-204 = 10.166 204-bkg = 0.045 204-206 = 1.998
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = 0.24 nA PESABM-CZ3 = pA
 Raster time (mins): 2 Raster aperture (microns): 70 No. of scans: 6

Comments: follows A-07.
 etc on 98-13

Zr₂O⁺ / Y₂O⁺ for rims is ~ 50% - 100% above that for etc., but inconsistent, even for spots placed close to zircon - no zircon overlap corrections are justifiable.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	198		UO	204Pb	f206	Age ±1σ (Ma)		Offsets OK?
				198 Kcps	206 Kcps				206/238	207/206	
	etc-11-2	20:11	9.07	15.3	10369	26.3	0.2	0.02	3.57	2633	
core	A49.A-1	21:01	9.17	21.6	7107	28.6	0.2	0.03	2.27	1676	
	A49.A-2	21:23	9.49	22.1	4898	19.0	0.1	-	2.44	1687	
beam-1	A49.A-3	21:45	9.30	25.3	161	0.7	0.1	0.8	2.03	1417	
	A49.A-4	22:08	8.92	24.5	1405	6.2	0.1	0.08	2.01	1712	
rim	A49.A-5	22:29	9.28	25.1	2401	10.5	0.1	0.07	2.12	1634	
	A49.A-6	22:51	9.09	21.4	2723	12.0	0.1	0.05	2.05	1699	
	A49.A-7	23:13	8.87	21.1	4083	19.0	0.3	0.05	1.90	1708	

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	¹⁹⁴ U 196 Kcps	206 cps	U ppm Kcps	²⁰⁴ Pb ppb cps	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	A49.A-8	23:34	9.60	20.5	5300	20.5	0.2	0.04	2.49	1696	
	A49.A-9	00:02	9.44	19.9	4920	21.1	0.2	0.04	2.19	1706	
	A49.A-10	00:23	8.76	21.4	1575	7.9	0.1	-	1.73	1665	
✓	A49.A-11	00:46	9.58	21.9	5705	22.2	0.1	0.03	2.46	1689	
	etc. 9-1	00:21	9.22	16.9	26009	57.3	0.1	0.01	4.18	2634	
	etc. 9-2	01:44	9.28	14.8	19946	45.8	0.1	-	4.04	2618	
	etc. 9-3	02:04	9.23	15.8	11652	28.7	0.1	0.03	3.75	2643	
	A49.A-12	02:29	8.94	21.3	4444	19.7	0.2	0.04	2.01	1634	
	A49.A-13	02:51	8.52	19.2	3027	14.6	0.2	0.06	1.76	1625	
	A49.A-14	03:14	9.68	19.6	7701	30.0	0	-	2.48	1542	
	A49.A-15	03:35	<u>6.04</u>	5.1	2787	12.9	0.3	0.06	1.31	1420	
	A49.A-16	03:56	9.58	20.9	9434	36.1	0.1	-	2.50	1635	
	A49.A-17	04:17	9.61	21.0	11362	42.7	0.2	0.02	2.55	1647	
	A49.A-18	04:38	8.88	21.6	4877	20.6	0.2	0.04	2.10	1690	
	A49.A-19	04:58	8.77	23.6	1875	8.74	0.1	0.18	1.88	1693	
	A49.A-20	05:19	8.56	22.8	1826	8.64	0.1	-	1.81	1720	
	A49.A-21	05:41	9.01	20.4	870	4.29	0.1	0.23	1.82	1639	
	A49.A-22	06:02	9.04	20.9	4701	18.1	0.1	0.04	2.35	1745	
	A49.A-23	06:23	8.28	19.5	3034	12.2	0.3	0.15	2.06	1670	
	etc. 12-1	06:49	9.23	17.8	17847	39.8	0	-	4.14	2650	
	etc. 12-2	07:09	9.46	16.5	17273	38.9	0.1	0.00	4.19	2624	
	etc. 1-1	07:30	9.69	14.9	31196	62.5	0.1	0.00	4.83	2623	
	etc. 1-2	07:57	9.19	16.9	16621	38.8	0.1	0.01	3.94	2625	
	etc. 1-3	08:17	9.15	17.3	19641	42.6	0.1	0.02	4.22	2627	

Delete.
D. and
analysis

Grain-2
Exp. 1

Exp. 2