

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 21-6-96 UWA Mount No. 96-31 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 = 8.17152 actual 204-bkg = 0.04835 expected resolution = >4200
 actual 206-207 = 0.99942 actual 206-208 = 1.99971 actual resolution = 5090
 Primary = 1.8 nA PESABM = 30 pA actual Primary : PESABM (= 50:1) = 60
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 7

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	calibration										
	s/631.3-1	19:44	7.1143	11301	1344	220	6.5	0.54	572	553	208
	s/631.3-2	20:10	7.1364	9916	1242	226	6.6	0.12	579	556	208
318.4	u631A1.1	20:45	7.77	10492	19093	395	12.8	0.07	3102	2886	204
12.0	s/631.3-3	21:13	7.08	10925	1275	223	6.5	0.16	559	624	208
92.4	u631A2.1	21:42	7.46	11117	12875	292	4.7	1.03	3009	2961	204
231.5	u631A3.1	22:11	7.40	11044	9628	231	10.4	10.2	2691	2941	204
11.6	s/631.3-4	22:40	7.23	10983	1347	215	0.9	0.14	573	604	208
212.9 tune up 93.8	u631A4.1	23:16	7.46	9630	6773	218	4.92	6.1	2418	2963	204
	u631A5.1	00:10	7.29	9464	7565	206	2.3	0.02	3104	3003	204
11.6	s/631.3-5	00:36	7.07	11036	1314	213	0	1.38	596	626	208
74.1	u631A6.1	01:01	7.29	10720	10514	290	200	1.68	2745	2901	204

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Corr.
									206/238	207/206	

172.5	U631A7-1	01:26	7.71	10510	17258	380	8.7	.05	2995	2904	204
319.2	U631A8-1	01:56	7.35	9686	16325	439	12.9	6.13	2879	2917	204
178.6	U631A9-1	02:24	7.53	9896	14381	501	206	1.32	2250	2674	204
12.0	S1631.3-6	02:47	7.15	10664	1310	221	1.5	.18	577	574	208
292	U631A10-1	03:10	7.21	10555	13116	358	475	3.05	2840	2903	204
79.5	U631A11-1	03:44	7.11	11154	3441	84	8.8	.21	3146	3127	204
210.6	U631A12-1	04:09	7.39	10400	12785	392	9.5	.06	2529	2833	204
189.8	U631A13-1	04:36	7.27	10037	12739	403	158	1.03	2619	2842	204
172.5	S1631.3-7	05:04	7.09	10078	1235	220	2.2	.21	589	544	208
298.6	U631A14-1	05:33	7.78	10559	14939	490	75.8	.55	2095	2531	204
399.8	U631A15-1	05:56	7.68	10486	27918	659	34.4	.12	2863	2770	204
126.6	U631A16-1	06:21	7.21	10011	9095	246	7.6	.06	3062	3006	204
131.3	U631A17-1	06:43	7.25	10580	11046	266	153	1.18	3140	2979	204
11.8	S1631.3-8	07:05	7.17	10138	1287	217	2.7	.19	600	529	208