

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 18/10/95 UWA Mount No.: 95-24 Whose sample?: P. POZLARD Operator(s): IF + JS

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 = 8.165 actual 204-bkg = 0.045 expected resolution = >4200
 Primary = 2.8 nA PESABM = 53 pA actual resolution = 4783
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 53

Comments: 2 min raster; 5 scans/report. (5x1)

*all data retested except 1 point in each of sl 3-2 and sl 3-8
 18/10/95*

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 524.1-1	10:27	5.99	24	2267	-	0.2	.02	-	624	208	
	sl 1-2	10:43	6.00	24	2264	221	-ve	-	585	546	-	
	n 524A.1-1	11:01	6.00	24	3928	121	1.4	.06	1664	1646	204	
	2-1	11:17	6.00	24	2708	83	1.3	.09	1646	1648	204	
	sl 1-3	11:34	5.93	24	2190	226	-ve	0.04	567	479	208	
	n A.3-1	11:56	6.02	24	2069	64	4.7	0.4	1645	1590	204	
	A.4-1	12:12	6.13	23	5738	177	-ve	-	1636	1681	204	
	A.5-1	12:36	6.10	24	4969	150	1.7	.06	1654	1636	204	
	A.6-1	12:54	6.04	23	2563	81	-ve	-	1680	1652	-	
	A.7-1	13:13	6.09	23	3620	112	2.2	0.1	1643	1660	204	
	sl 1-4	13:29	6.00	23	2171	223	1.0	.09	570	546	204	

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	us24A.81	13:45	6.38	24	5928	225	1.8	.06	1158	1668	204
	A.8-2	14:00	5.97	23	2069	66	0.0	0.0	1679	1673	204
	A.9-1	14:18	5.99	23	3277	110	-ve	-	1633	1628	-
break	sl 1-5	15:43	6.00	24	2150	218	-ve	-	564	561	-
	u A.10-1	16:00	5.95	24	3404	166	4.2	0.2	1133	1652 1652	204
	A.11-1	16:17	6.89	24	2062	68	2.1	0.3	1069	1634	204
	A.12-1	16:34	6.00	23	2025	72	2.7	0.2	1573	1619	204
	A.13-1	16:51	6.09	23	3898	122	-ve	-	1647	1644	-
	A.14-1	17:12	6.04	23	2411	78	1.3	0.1	1613	1659	204
change Pop.	sl 1-6	17:31	5.92	24	2052	222	1.3	0	551	565	208
	u B.1-1	17:52	6.14	22	7808	281	1.2	.03	1492	1657	204
	B.2-1	18:08	6.26	20	9600	340	2.8	.05	1532	1661	204
	sl 3-1	18:31	6.05	25	2196	206	1.2	0.11	559	526	208
	u B.3-1	19:03	6.17	23	10514	313	0.6	0.01	1650	1662	204
	u B.4-1	19:39	5.52	34	3218	110	3.2	0.18	1437	1663	204
	B.5-1	20:04	6.09	24	6338	209	7.4	0.21	1508	1642	204
	B.6-1	20:26	6.45	24	9089	367	19.5	0.46	1082	1481	204
Delete last ThO	sl 3-2	20:46	5.99	25	2281	217	0.2	0.01	581	541	204
	u B.7-1	21:06	5.97	28	1730	98	7.4	0.85	837	1574	204
Data more reliable	B.8-1	21:26	6.50	21	9798	303	2.7	0.05	1522	1663	204
	B.9-1	21:43	6.00	24	6300	193	11.6	0.31	1658	1683	204
	B.10-1	22:02	6.74	20	12134	320	10.1	0.17	1609	1614	204
	B.11-1	22:20	6.13	23	4859	147	-ve	-	1649	1690	-
	sl 3-3	22:38	6.06	23	2164	216	-ve	-	567	576	208
	u B.12-1	23:01	6.17	23	6362	317	112	3.21	1001	1570	204

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U cps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	u B.13-1	23-19	5.76	23	4408	205	3.4	0.11	1334	1650	204
	B.14-1	23-41	5.71	26	2570	115	1.5	0.09	1291	1649	204
	B.6-2	23-59	6.18	22	4878	155	-ve	-	1629	1632	208
	sl 3-4	00-17	6.14	23	2148	208	0.5	0.04	562	510	204
	u B.15-1	00-36	7.37	17	1772	796	19.0	0.25	932	1231	204
	B.16-1	00-54	6.15	2 ³	8560	255	-ve	-	1659	1649	-
	B.17-1	1-11	6.17	23	8521	261	0.9	0.02	1625	1650	204
	B.18-1	1-29	6.14	23	9003	288	0.5	0.01	1598	1657	204
	B.19-1	1-46	6.08	23	4959	155	0.8	0.03	1670	1665	204
	sl 3-5	2-03	6.03	24	2198	216	-ve	-	572	614	208
	u B.20-1	2-26	6.18	24	5910	186	3.00	0.10	1503	1652	204
	B.21-1	2-43	6.42	23	6467	240	12.4	0.39	1205	1579	204
	B.22-1	3-03	6.29	23	7903	221	3.6	0.08	1676	1653	204
	B.23-1	3-22	6.44	22	7764	254	5.3	0.13	1396	1637	204
	B.24-1	3-39	6.03	26	3189	144	3.6	0.21	1095	1558	204
	sl 3-6	3-57	6.03	22	2092	220	0.5	0.04	578	503	204
	u A.15-1	4-20	6.26	22	3798	123	2.7	0.13	1509	1632	204
	A.16-1	4-38	6.02	21	1894	65	1.0	0.08	1671	1636	204
	A.17-1	4-55	6.05	21	3073	102	0.5	0.03	1684	1635	204
	A.18-1	5-14	6.06	21	2337	77	1.2	0.08	1694	1613	204
	A.19-1	5-31	5.96	23	1084	36	-ve	-	1696	1671	-
	sl 3-7	5-48	6.15	20	2001	216	0.5	0.04	574	561	208
	u A.20-1	6-07	5.52	22	1856	102	2.7	0.17	1396	1597	204
	A.21-1	6-24	6.13	20	4317	148	1.5	0.05	1661	1663	204
	A.22-1	6-40	6.33	19	3742	123	1.7	0.07	1673	1647	204

