

UWA SHRIMP DATA LOG

Date: 6/11/05 UWA Mount No.: 04-135+ Whose sample?: MB Operator(s): MB

Indicate any change to the following: ^{202 203} 196 204 bkg 206 207 208 ^{232 254 264} 238 248 254 270
 Precambrian Count time (secs): 2 2 10 10 10/20* 30/10* 10 5 5 2 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻
 dead-time = 25 nanosecs expected resolution = >4200 actual resolution = 5240
 aperture = 30 microns retardation lens = 9943 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 = 1.109 204-bkg = 0.045 204-206 = -2.003
 206-207 = -1.004 206-208 = -2.01

Primary-epoxy = 0.28 nA Primary-CZ3 = 0.33 nA PESABM-CZ3 = pA
 Raster time (mins): 2 Raster aperture (microns): 70 No. of scans: 7

Comments: Stuart Dunn -> Re Fr 7th MatG
=> 04-53

* Note: for JHS4 - all analyses marked x.1-2 DO NOT denote the second analysis on grain x, except for in the case of grain 1

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO ²⁰³ 196- Kcps	206 cps	UO ₂ ppm ²⁰³ Kcps	204Pb ppb ^{Th2} e	f206 % ^{Th2} Kcps	Age ±1σ (Ma) 206/238 254	207/206	Offsets OK?	
	Fr.1-1	17:31	1.1774	3720	10790	13.75	6	280	0.1848	0.0569	✓
	PD95.1-1	17:54	1.0923	3198	1.01M	347	13	433	0.6377	0.1047	✓
	QMa.1-1	18:18	1.2276	3502	11270	14.8	6	151	0.1864	0.0570	✓
	Fr.1-2	18:40	1.1632	3273	10999	14.3	5	291	0.1785	0.0574	✓
	PD95.1-2	19:02	1.0866	2979	1.02M	349	7	427	0.6329	0.1038	✓
	PD95.1-3	19:23	1.0859	3182	1.02M	352	13	434	0.6289	0.1037	✓
	04-135A.14	19:54	1.2038	2735	76156	16	20	19.8	1.1476	0.1786	✓
	04-135A.12	20:17	1.1975	1889	24667	5	14	24.3	1.1625	0.1812	✓

Note: Bold = constant for stds & unknowns.....check after each analysis; also check offsets.

Sample/ Std ID	Time on printout	UO/U 254/238	196 (zr) Kcps	206 cps	U ppm	f₂₀₆ %	Sensit.	Age+/-1σ (Ma) 206/238	207/206	Offsets OK?
Alternative		UO2/UO 270/254	194 (xt) 200 (tnt) 203 (mz)	206 cps	254 270 Kcps	204 cps 7.2	196/194 264 Kcps	206/238 206/254 206/270	207/206	Check after each!!!
Fr. 1-3	20:40	1.1617	3281	11053	14.4	233 8	293	1.7811	0.0579	✓
PD95.1-4	21:02	1.0906	3088	105M	36.2	11	441	0.6297	0.1045	✓
PD95.1-5	21:25	1.0749	3250	108M	37.3	9	452	0.6191	0.1048	✓
04-135Ab.1-1	21:51	1.1154	4323	25.2	5.67	19	46	0.9932	0.1782	✓
04-135B.1-1	22:25	1.3026	2744	42.5	9.0	30	38.3	1.2248	0.1864	✓
04-135Bb.1-1	22:50	1.2259	7461	39.9	8.2	10	50.8	1.1847	0.1774	✓
Fr. 1-4	23:15	1.1782	3200	10.8	13.9	1	283	0.1829	0.0601	✓
04-135C.1-1	23:41	1.3066	3339	27.2	5.6	12	36.2	1.2605	0.1787	✓
04-135Cb.1-1	00:08	1.1719	3076	49.5	10.3	20	40.4	1.1218	0.1800	✓
PD95.1-6	00:31	1.1391	2893	102M	351	12	394	0.6399	0.1045	✓
04-135D.1-1	00:57	1.1723	3421	21.9	4.6	16	16.6	1.1196	0.1847	✓
04-135Db.1-1	01:25	1.1507	2949	32	7.0	10	21.6	1.0546	0.1815	✓
04-135E.1-1	01:50	1.1001	3223	74.8	14.5	55	135	1.0785	0.1837	✓
Fr. 1-5	02:13	1.1391	3435	10.8	14.3	5	291	0.1727	0.0595	✓
04-135F.1-1	02:38	1.1830	3131	32.6	6.8	24	92.6	1.1207	0.1880	✓
04-135G.1-1	03:03	1.2344	3227	61.3	12.4	2	36.9	1.2168	0.1787	✓
04-135H.1-1	03:27	1.2212	3706	35.9	7.6	9	49.3	1.1452	0.1776	✓
QMa. 1-2	03:50	1.2354	3316	11.4	15.0	1	162	0.1882	0.0547	✓
PD95.1-7	04:12	1.0979	3403	103M	364	14	450	0.6103	0.1043	✓
04-135I.1-1	04:38	1.2696	3080	40189	7.1	11	51.4	1.1256	0.1857	✓
04-135J.1-1	05:05	1.2110	3281	32.9	7.1	0	42.2	1.1229	0.1750	✓

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Sample/ Std ID	Time on printout	UO/U 254/238	196 (zr) Kcps	206 cps	U ppm	f ₂₀₆ %	Sensit. Kcps	Age+/-1σ (Ma) 206/238	207/206	Offsets OK?
Alternative		UO2/UO 270/254	194 (xt) 200 (tnt) 203 (mz)	206 cps	254 270 Kcps	204 cps	196/194 264 Kcps	206/238 206/254 206/270	207/206	Check after each!!!
04-135K.1-1	05:29	1.2821	3095	39756	8.8	9	54.3	1.1630	0.1791	✓
<u>04-135 OUT</u> Fr. 1-6	05:54	1.1564	3276	11.9	14.1	5	295	0.1818	0.0571	✓
04-136 IN Fr. 1-7	06:26	1.2070	3132	11.0	14.5	1	294	0.1824	0.0588	✓
04-136A.1-1	06:54	1.2616	2717	36.2	7.6	33	107	1.2020	0.1860	✓ + inclusion in last scan.
04-136B.1-1	07:18	1.3422	3502	66.2	14	5	96.5	1.2783	0.1811	✓ ↵
04-136C.1-1	07:42	1.2695	3150	41.6	8.5	18	100.6	1.2380	0.1802	✓
04-136D.1-1	08:07	1.2946	3154	49.8	10.5	4	44.3	1.2312	0.1817	✓
PO95.1-8	08:30	1.1015	3067	985	338	16	440	0.6427	0.1056	✓
04-136E.1-1	08:57	1.2425	2867	70.2	15.5	4	25.7	1.1234	0.1766	✓
04-136F.1-1	09:34	1.2390	2730	69.6	15.0	8	24.8	1.1533	0.1808	✓
04-136G.1-1	09:58	1.3097	3070	434	9.16	6	54.9	1.2413	0.1807	✓
04-136H.1-1	10:26	1.2770	2921	29.1	6.0	8	61.2	1.2128	0.1820	✓
Fr. 1-8	10:49	1.1678	3216	10.8	13.8	6	287	0.1820	0.0589	✓
QMa.1-3	11:11	1.2299	2439	10.8	14.5	4	154	0.1825	0.0529	✓
04-136I.1-1	11:35	1.2253	2739	58.6	12.0	14	24.2	1.1933	0.1813	✓
04-136J.1-1	11:58	1.2159	2970	57.5	12.1	39	67.3	1.1536	0.1856	✓
04-136K.1-1	12:24	1.2996	3458	68.4	14.9	15	37.9	1.1951	0.1802	✓
04-136L.1-1	12:48	1.2862	2153	30.6	6.3	15	75.6	1.2375	0.1868	✓
PO95.2-1	13:11	1.1348	3108	103M	365	12	403	0.6425	0.1043	✓
Fr. 1-9	13:34	1.1855	3233	10.8	14	3	285	0.1838	0.0590	✓
04-136M.1-1	14:13	1.2499	3233	110	21.3	7	34.5	1.2868	0.1754	✓

04-136
OUT
MB-3 IN

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Sample/ Std ID	Time on printout	UO/U 254/238	196 (zr) Kcps	206 cps	U ppm	f ₂₀₆ %	Sensit.	Age+/-1σ (Ma)		Offsets OK?
								206/238	207/206	
Alternative		UO2/UO 270/254	194 (xt) 200 (tnt) 203 (mz)	206 cps	254 270 Kcps	204 cps	196/194 264 Kcps	206/238 206/254 206/270	207/206	Check after each!!!
JH54.1-1	14:58	1.1638	3025	134	26.4	3	122	1.1749	0.1884	✓
JH54.1-2	15:19	1.1061	2949	112	22.1	3	147	1.1181	0.1893	✓
JH54.2-1	15:45	1.2462	3095	17	3.5	4	12058 ¹¹³	1.2058	0.1862	✓
PD95.2-2	16:08	1.1247	2891	100M	341	9	357	0.6646	0.1045	✓
QMa.1-4	16:31	1.1856	3412	11	14.7	6	125	0.1785	0.0542	✓
Fr.1-10	16:52	1.1128	3197	10.6	13.4	5	280	0.1761	0.0551	✓
JH54.2-2	17:15	1.1340	3209	15	3.0	2	189	1.1484	0.1822	✓
JH54.3-1	17:37	1.2084	3343	34	6.7	4	154	1.2223	0.1898	✓
JH54.3-2	18:01	1.1887	3237	28.6	5.6	5	160	1.2203	0.1838	✓
JH54.9-1	18:24	1.2174	3059	16.2	3.2	2	152	1.2302	0.1897	✓
PD95.2-3	18:47	1.0614	3180	911	307	19	468	0.6293	0.1040	✓
JH54.13-1	19:11	1.1964	3541	34.3	6.9	3	189	1.1830	0.1907	✓
JH54.11-1	19:34	1.1774	3346	29.4	5.8	2	197	1.1883	0.1921	✓
JH54.11-2	19:56	1.1636	3343	42.8	8.6	1	181	1.1566	0.1881	✓
JH54.5-1	20:25	1.0688	2897	170	32.8	6	270	1.1013	0.1893	✓
Fr.1-11	20:49	1.1736	3394	10.8	13.8	6	284	0.1832	0.0583	✓
JH54.8-1	21:12	1.1656	3414	35.4	7.0	2	196	1.1803	0.1882	✓
JH54.12-1	21:35	1.1208	3211	119	23.6	9	226	1.1293	0.1902	✓
JH54.10-1	21:57	1.1322	3250	214	42	0	159	1.1534	0.1895	✓
JH54.2-3	22:20	1.1357	3374	95.7	18.9	4	199	1.1457	0.1893	✓
PD95.2-4	22:43	1.0869	3610	1.2M	412	11	466	0.6348	0.1047	✓
JH54.9-2	23:07	1.1611	3857	35.1	6.8	8	211	1.1943	0.1878	✓
QMa.1-5	23:34	1.1991	3231	11.4	15.3	4	164	0.1775	0.0543	✓