

UWA SHRIMP DATA LOG

Date: *9/12/02* UWA Mount No.: *C105, C106* Whose sample?: *Morean* Operator(s): *IF + MB*

Indicate any change to the following: ^{202 203} 196 204 bkg 206 207 208 238 248 254 270

Precambrian	Count time (secs):	2	10	10	10/20*	⁴⁰ 30/10*	10	5	5	2	} all hand-drawn
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 = *24* nanosecs expected resolution = >4200 actual resolution = *4700*

aperture = *3.0* microns retardation lens = *2 HT* 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: ²⁰³ 196-204 = *1.107* 204-bkg = *0.045* 204-206 = *~2.000*

206-207 = *1.001* 206-208 = *correct*

Primary-epoxy = nA Primary-CZ3 = *Fr* *0.4* nA PESABM-CZ3 = pA

Raster time (mins): *2.0* Raster aperture (microns): *35* No. of scans: *6*

Comments: *Stds on B-99*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ²⁰³ 196		206 cps	UO ₂ 204Pb		Age 11σ (Ma)	Offsets OK?
			^{202/204} Kcps	^{203/204} Kcps		ppm	ppb		
	<i>PD95-1-1</i>	<i>14:47</i>	<i>0.43</i>	<i>1678</i>	<i>75268</i>	<i>142</i>	<i>1.3</i>	<i>154</i>	✓
	<i>FR.1-1</i>	<i>15:11</i>	<i>0.05</i>	<i>1716</i>	<i>901</i>	<i>6.3</i>	<i>0.4</i>	<i>121</i>	✓
	<i>10SB.1-1</i>	<i>15:43</i>	<i>0.02</i>	<i>1690</i>	<i>350</i>	<i>0.35</i>	<i>1.6</i>	<i>17</i>	✓
	<i>10SC.1-1</i>	<i>16:08</i>	<i>1.26</i>	<i>1661</i>	<i>514</i>	<i>567</i>	<i>0.4</i>	<i>21</i>	✓
	<i>10SC.1-2</i>	<i>16:27</i>	<i>1.20</i>	<i>2023</i>	<i>400</i>	<i>437</i>	<i>0.3</i>	<i>21</i>	✓
	<i>FR.1-2</i>	<i>16:51</i>	<i>1.25</i>	<i>1588</i>	<i>932</i>	<i>6486</i>	<i>0.5</i>	<i>126</i>	✓
	<i>10SC.2-1</i>	<i>17:19</i>	<i>1.33</i>	<i>1623</i>	<i>255</i>	<i>3015</i>	<i>0.8</i>	<i>7.1</i>	✓
	<i>10SC.2-2</i>	<i>17:39</i>	<i>1.26</i>	<i>1845</i>	<i>243</i>	<i>296</i>	<i>0.3</i>	<i>7.2</i>	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ₂₀₇ 270/254	196 Kcps	206 cps	U ₂₀₆ ppm	204pb ppb	Th ₂₀₆ 264 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	C105D.1-1	18:06	1.33	1556	629	0.7 7.06	0.6	1506		✓
	C105D.1-2	18:25	1.43	1875	501	488 0.5 74	0.6	1820		✓
	PD95.1-2	18:49	1.09	1467	39455	7576 Kcps	2.6	199		✓
	C105D.2-1	19:16	1.58	1237	216	0.27 275	0.3	1.8		✓
	C105D.2-2	19:36	0.98	2095	189	0.24 242	0.4	4.0		✓
	C105E.3-1	20:02	1.49	1558	399	0.5 494	0.8	2.9		✓
	2908.1-1	20:26	1.21	1580	14278	25.5 25.5	1.0	51 5104		✓
	C105E.3-2	20:53	1.41	1031	363	0.4 404	1.0	8.3		✓
	C105E.4-1	21:35	1.27	1737	480	0.61	1.6	3.1		✓
	C105F.2-1	22:17	1.37	2011	1138	1.19	0.4	3.84		✓
	C105F.2-2	22:36	1.66	1846	463	0.54 463	0.8	2.05 2.32		✓
	QMa.1-1	22:59	1.29	1908	964	7.0	0.9	56		✓
	C105F.2-3	23:27	1.37	1809	555	0.9	0.3	8.5		✓
	C105F.2-4	23:46	0.82	2064	464	0.74	0.3	4.37		✓
	C105E.1-1	00:23	1.19	1702	523	0.51	2.2	1.82		✓
	FR.1-3	00:47	1.22	2276	1257	8.5	1.5	163		✓
	PD95.1-3	01:10	1.15	2184	98593	186	1.2	205		✓
	2908.1-2	01:49	1.20	2060	14413	25.9	0.5	21.7		✓
	C106A.1-1	02:18	1.46	2296	1404	1.47	0.8	1.15		✓
	C106A.1-2	02:38	1.18	3130	1030	0.94	0.7	0.73		✓
	C106E.1-1	03:08	1.34	1618	499	0.61	0.1	3.21		✓
	C106E.1-2	03:30	1.32	2357	624	0.8	0.3	3.27		✓
	2234.1-1	03:54	1.36	2093	445	1.51	0.7	2054		✓
	C106G.1-1	04:22	1.53	1931	643	0.7	0.4	2.22		✓
	C106G.1-2	04:42	1.33	2554	341	0.38	0.7	2.41		✓

Sample change →

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U ₂ ²⁷⁰ / ₂₅₄	²⁰³ 196 Kcps	206 cps	UO ₂ ^{ppm} Kcps	204Pb ppb cps	^{ThO₂} 1208 264 %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	C106B1-1	05:45	1.79	642	282	0.3	0.2	2.09		✓
	QMa1-2	06:38	1.32	2278	1120	7.94	0.2	65.45		✓
	C106B1-2	06:03	0.93	869	238	0.25	0.0	1.77		✓
	2234.2-2	07:02	1.41	2468	603	2.04	0.4	18.86		✓
	C106M.4-1	07:37	1.47	1872	781	0.82	0.3	7.01		✓
	C106M.4-2	07:56	1.37	2278	434	0.48	0.2	18.69		✓

Saved as M but analysis of (F)

