

### UWA SHRIMP DATA LOG

Date: 19/1/03 UWA Mount No.: C124  
C125 Whose sample?: McN Operator(s): McN & AP

Indicate any change to the following: ↓ = CUP ↓ 202 203

	196	204	bkg	206	207	208	238	248	254	270
Precambrian	Count time (secs):	2 2	10	10	10/20*	40	2	52	2	2 2
Phanerozoic*	Delay time (secs):	1 81	32	1	2	1	1	3	23	2 2 2

Steel: Wein volts / nA = 242/59V/3.1 for O<sup>-</sup>; = 159/39V/1.2 for O<sub>2</sub><sup>-</sup>; = 125/31V/2.95 for NO<sup>-</sup>

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = .....

aperture = 30 microns retardation lens = 10<sup>3</sup> 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: <sup>203</sup>196-204 = 1.101 204-bkg = 0.0045 204-206 = 2.000 ± 6

206-207 = 1.0001 206-208 = 2.000 (variable → 208 peak centre)

Primary-epoxy = 1.1 nA Primary-CZ3 = 1.5 nA PESABM-CZ3 = 28 pA

Raster time (mins): 1.5 Raster aperture (microns): 50 No. of scans: 7

Comments: FRENCH STD ON SPS-3 : PHOTO 25

FR x8+  
PD 95 x3  
MPN x2  
BMA x2

expected 2635 Ma ≈ 0.18 f/ratio

Rejection over-ride	Sample/ Std ID	Time - printout	<sup>206</sup> U/ <sup>238</sup> U <u>270/1254</u>	<sup>203</sup> Pb Kcps	206 cps	<sup>270</sup> U ppm Kcps	204Pb ppb cps	f <sub>206</sub> %	Age ± 1σ (Ma) 206/238 270	207/206	Offsets OK?
<u>crap.</u>	<u>FR.25-1</u>	<u>11:29</u>	<u>1.25</u>	<u>5.67</u>	<u>3482</u>	<u>21.5</u>	<u>37</u>	<u>.1617</u>	<u>0.1787</u>	<u>0.1902</u>	✓
	<u>FR.25-2</u>	<u>11:55</u>	<u>1.25</u>	<u>5.65</u>	<u>2917</u>	<u>21.9</u>	<u>1.8</u>	<u>.1334</u>	<u>0.0590</u>		✓
	<u>25-3</u>	<u>12:19</u>	<u>1.29</u>	<u>5.76</u>	<u>2925</u>	<u>22.2</u>	<u>2.2</u>	<u>.1316</u>	<u>0.0585</u>		✓
	<u>A.2-1</u>	<u>12:55</u>	<u>1.77</u>	<u>4.68</u>	<u>1436</u>	<u>1.7</u>	<u>3.4</u>	<u>.8651</u>	<u>0.2117</u>		✓
	<u>A.3-1</u>	<u>13:29</u>	<u>1.42</u>	<u>7.12</u>	<u>1772</u>	<u>2.4</u>	<u>3.4</u>	<u>.7253</u>	<u>0.2049</u>		✓
	<u>FR.25-4</u>	<u>13:56</u>	<u>1.29</u>	<u>5.73</u>	<u>2732</u>	<u>21.0</u>	<u>1.6</u>	<u>.1680</u>	<u>0.0582</u>		✓
	<u>A.1-1</u>	<u>14:25</u>	<u>1.50</u>	<u>4.69</u>	<u>1541</u>	<u>2.2</u>	<u>2.8</u>	<u>.7105</u>	<u>0.2143</u>		✓
	<u>A.1-2</u>	<u>14:51</u>	<u>1.60</u>	<u>6.06</u>	<u>1653</u>	<u>2.1</u>	<u>4.1</u>	<u>.7944</u>	<u>0.2082</u>		✓

Mount/sample No: C124 / C125

Date: 19/1/03

Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/UO <sub>2</sub> Kcps	<sup>203</sup> 196 Kcps	206 cps	UO <sub>2</sub> ppm Kcps	<sup>204</sup> Pb ppb cps	f <sup>206</sup> %	Age ± 1σ (Ma) 206/238 270	207/206	Offsets OK?
	A.4-1	15:24	1.36	5.74	885	1.3	0.8		0.6847	0.1917	✓
	PD95.1-1	15:52	1.27	7.17	351 K	7.5	5.3		0.6237	0.1026	✓
	A.4-2	16:21	1.43	5.96	1962	2.3	2.2		0.8560	0.1834	✓
	A.4-3	16:47	1.53	3.71	641	0.8	2.2		0.8164	0.2072	✓
	B.1-1	17:18	1.53	7.09	4763	6.3	2.7		0.7595	0.1781	✓
	B.1-2	17:44	1.40	7.36	2092	2.6	7.7		0.8008	0.1991	✓
	Fr.25-5	18:09	1.33	6.63	2898	22.2	2.0		0.1736	0.0581	✓
	B.3-1	18:37	1.45	5.88	1474	1.8	1.8		0.8129	0.1915	✓
	B.2-1	19:16	1.44	7.58	2254	3.0	0.5		0.7413	0.1834	✓
	B.2-2	19:43	1.59	8.23	1828	2.3	1.6		0.8032	0.1833	✓
	C.1-1	20:30	1.55	6.86	1248	1.5	1.4		0.8138	0.1919	✓
	MPN.1-1	20:56	1.35	7.07	8262	13.4	1.9		0.6176	0.1329	✓
	D.2-1	21:25	1.39	5.11	1441	1.7	4.4		0.8333	0.2056	✓
	D.1-1	21:59	1.37	7.18	<sup>1600</sup> 2018	2.0	6.0		0.7928	0.2069	✓
	E.1-1	22:29	1.51	7.10	1161	1.4	3.4		0.8392	0.2166	✓
	E.2-1	22:54	1.42	7.63	625	0.7	2.0		0.8782	0.2212	✓
	Fr.25-6	23:19	1.36	6.60	3065	23.7	3.0		0.1293	0.0597	✓
	E.3-1	23:45	1.34	6.07	1215	1.4	0.8		0.8521	0.1803	✓
	<del>F.1-1</del>	<del>24</del>	<del>high</del>	<del>high</del>	<del>204 &gt; 200 cps</del>						
	J.1-1	00:50	1.29	1.78	355	0.1	2.9		3.2392	0.8619	only scans low counts ✓
	H.2-1	01:18	1.35	6.91	817	1.1	6.8		0.7425	0.2193	Trim men Messy ✓
	H.1-1	01:46	1.57	7.38	649	0.8	3.4		0.7797	0.2918	✓
	QMA 1-1	02:12	1.44	6.49	2370	18.3	0.8		0.1297	0.0570	✓
	Fr.25-7	03:13	1.38	6.31	3072	22.6	2.3		0.1359	0.0589	✓
	F.1-1	04:05	1.35	7.68	260	0.2	5.6		1.2164 0.1354	0.3546	✓

C124

4- scan 5 counts ↓ dies heavily aborted.

C125

HV OFF

\* Mount change & insert new samples.

