

92451216

XENotime  
**UWA SHRIMP DATA LOG**

Date: 16/10/04 UWA Mount No. 04-96 Whose sample? DV Operator(s) McN + DV

Indicate any change to the following: <sup>194</sup>196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 10 10 10/20\* 30/10\* 5 5 5 2  
 Phanerozoic\* Delay time (secs): 8 32 1 23 1 1 3 2 2

Steel: Wein volts / nA = ..... for O<sup>-</sup>; = 141.5V/0.23 for O<sub>2</sub><sup>-</sup>; = ..... for NO<sup>-</sup>

dead-time = 2.5 nanosecs expected resolution = >4200 actual resolution = 518.3

aperture = 30? microns retardation lens = ..... volts

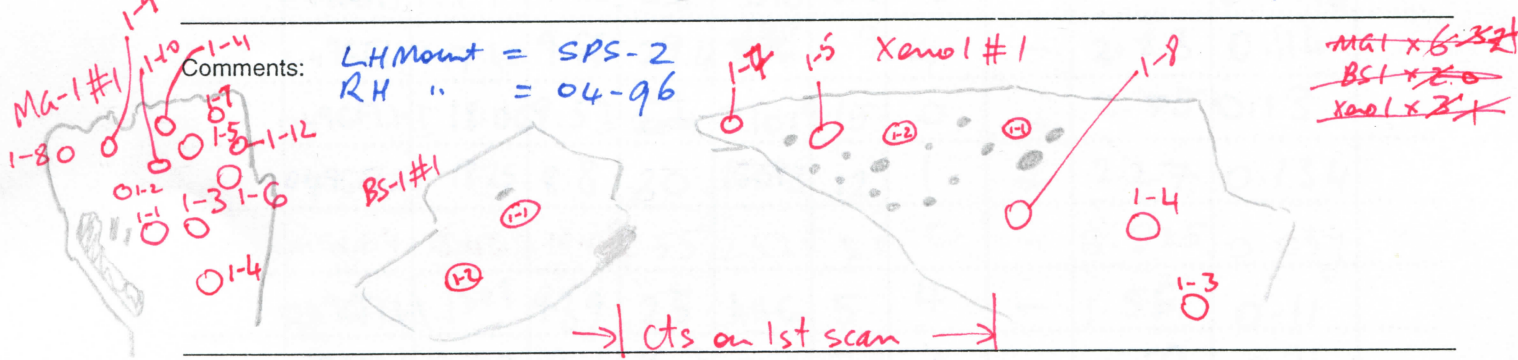
Expected offsets (amu): <sup>194</sup>196-204 = 8.170; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: <sup>194</sup>196-204 = 10.183 204-bkg = 0.045 204-206 = -2.007

206-207 = 1.004 206-208 = 2.008

Primary-epoxy = 0.22 nA Primary-CZ3 = BSI 0.375 nA PESABM-CZ3 = 8.5 pA

Raster time (mins): 2.0 Raster aperture (microns): 60 No. of scans: 7



Rejection over-ride	Sample/ Std ID	Time - printout	UO/U <sup>194</sup> 196 Kcps	206 cps	<sup>254</sup> U ppm	204Pb ppb	f <sub>206</sub> %	Age ± 1σ (Ma)	Offsets OK?	
			<sup>254</sup> 238 <u>*2.5</u>		Kcps	cts	÷ 2	207/206 <u>÷ 3</u>		
	<u>MGI.1-1</u>	<u>10:51</u>	<u>9.86</u>	<u>52.9</u>	<u>4116</u>	<u>12.1</u>	<u>0</u>	<u>0.671</u>	<u>0.58</u>	✓
	<u>BSI.1-1</u>	<u>11:12</u>	<u>10.13</u>	<u>44.7</u>	<u>1431</u>	<u>3.8</u>	<u>0</u>	<u>0.756</u>	<u>0.060</u>	✓
	<u>Xenol.1-1</u>	<u>11:33</u>	<u>10.24</u>	<u>45.0</u>	<u>5940</u>	<u>97.3</u>	<u>0</u>	<u>?</u>	<u>?</u>	✓
	<u>" .1-2</u>	<u>11:53</u>	<u>10.14</u>	<u>47.2</u>	<u>79.9K</u>	<u>100</u>	<u>1</u>	<u>1.613</u>	<u>0.073</u>	✓
	<u>MGI.1-2</u>	<u>12:12</u>	<u>9.68</u>	<u>58.1</u>	<u>4490</u>	<u>14.2</u>	<u>2</u>	<u>0.612</u>	<u>0.061</u>	✓
	<u>0496d1.1-1</u>	<u>12:55</u>	<u>8.3</u>	<u>16.7</u>	<u>6969</u>	<u>23</u>	<u>3</u>	<u>0.499</u>	<u>0.129</u>	✓
	<u>0496d1.2-1</u>	<u>13:23</u>	<u>8</u>	<u>13.8</u>	<u>8253</u>	<u>36</u>	<u>7</u>	<u>0.383</u>	<u>0.13</u>	✓
	<u>0496c1.1-1</u>	<u>13:46</u>	<u>9.26</u>	<u>24</u>	<u>5240</u>	<u>5.2</u>	<u>1</u>	<u>1.85</u>	<u>0.117</u>	✓

\* Pb data for 1st 3 scans = ???

2 254 2 10 30  
 5 238 5 5 10  
 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	254 U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	049ESH	14:15	8.25	12	3635	3.6	55	-	1.64	0.29	
	049AI-1	14:43	9.1	8.6	4122	5.0	6	-	0.15	0.13	
	0496AI-2	15:02	8.4	8.0	4769	5.3	6	-	0.15	0.14	
	MGI.1-3	15:22	<del>9.8</del>	61	2564	8.1	4	-	0.62	0.061	
	Xenol.1-2	15:41	10.1	50	8785	118	2	-	1.52	0.074	
	BSI.1-2	16:14	9.96	50	1476	4.1	2	-	0.7	0.069	
	0496NI.1-1	16:55	8.85	47	3524	6	15	-	1.04	0.176	
	0496GI.H	17:17	7.46	23	3390	3.6	5	-	1.42	0.1296	
	0496EI.H	17:40	9.66	29.4	<del>5610</del>	4.9	4	-	2.23	0.114	
	0496FI.1-1	18:06	9.53	<del>24</del>	21019	15	0	-	2.75	0.13	
	0496FI.2-1	18:25	8.8	20	16093	12	1	-	2.27	0.134	
	MGI.1-4	18:46	10.0	55	2525	8.1	0	-	0.625	0.059	
	0496TI.H	19:09	9.39	25	4116	5	4	-	1.56	0.11	
	0496LI-1	19:38	9.1	16.7	6791	17.8	4	-	0.69	0.11	
	MGI.1-5	19:58	9.4	57	2394	7.2	2	-	0.62	0.057	
	XI.1-4	20:18	9.85	49	8469	108	2	-	1.54	0.07	
	MGI.1-6	20:37	9.6	53	2022	6.4	1	-	0.61	<del>0.608</del>	✓
	MGI.1-7	20:57	9.91	54	2058	6.4	3	-	0.64	0.062	✓
FINISH											
↓											
GOTO ORESTES SAMPLE 04-80											

206Pb too high →

254/238 x 2.5

254

÷2  
÷3