

Follows from 99-26

UWA SHRIMP DATA LOG

Date: 6/9/99 UWA Mount No.: 99-15 Whose sample?: Mustard Operator(s): Men/AR

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270
 Precambrian Count time (secs): 2 10 10 10/20* 30/10* 10 5 5 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 = nanoseconds expected resolution = >4200 actual resolution =

aperture = microns retardation lens = 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 = 8.170 204-bkg = 0.045 204-206 = 2.006

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = nA Primary-CZ3 = nA PESABM-CZ3 = pA

Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: 6

Comments: Priorities B (n=10), C, D, A

20/10/99 Major shift in calibration at ~ 22:00 - probably need to delete all analyses on pop. B.

Rejection over-ride Sample/Std ID Time - printout UO/U 196 Kcps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Offsets OK?

	SI.1-1	17:48	6.56	9.9	1165	220	2.1	.18	571	572	✓
	SI.1-2	18:06	6.50	9.8	1179	226	1.8	.07	585	572	✓
	B.2-1	18:26	6.95	9.6	621	239	0.6	.12	252	272	✓
120	B.13-1	18:49	6.84	11.6	121	40	-ve	-	252	198	✓
	SI.1-3	19:08	6.81	11.0	1383	207	1.6	.14	581	506	✓
	B.14-1	19:27	7.11	11.4	269	83	0.0	.00	247	337	✓
	B.15-1	19:46	6.98	11.6	346	108	-ve	-	253	268	✓
	B.16-1	20:06	6.55	10.3	334	140	-ve	-	256	298	✓

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	^{1/2+} <u>sl.1-4</u>	<u>20:26</u>	<u>6.65</u>	<u>11.7</u>	<u>1359</u>	<u>208</u>	<u>0.0</u>	<u>.00</u>	<u>574</u>	<u>554</u>	✓
	<u>core B.18-1</u>	<u>20:54</u>	<u>6.41</u>	<u>11.4</u>	<u>155</u>	<u>64</u>	<u>1.0</u>	<u>.73</u>	<u>252</u>	<u>126</u>	✓
	<u>rim B.18-2</u>	<u>21:13</u>	<u>6.51</u>	<u>11.4</u>	<u>290</u>	<u>112</u>	<u>-ve</u>	<u>-</u>	<u>254</u>	<u>249</u>	✓
	<u>B.19-1</u>	<u>21:32</u>	<u>6.80</u>	<u>12.3</u>	<u>467</u>	<u>149</u>	<u>0.9</u>	<u>.27</u>	<u>250</u>	<u>138</u>	✓
	<u>B.21-1</u>	<u>21:59</u>	<u>6.24</u>	<u>10.1</u>	<u>377</u>	<u>173</u>	<u>0.6</u>	<u>.15</u>	<u>275</u>	<u>217</u>	-NO-
	<u>sl.1-5</u>	<u>22:20</u>	<u>6.28</u>	<u>9.1</u>	<u>1022</u>	<u>228</u>	<u>0.2</u>	<u>.02</u>	<u>608</u>	<u>561</u>	✓
B	<u>B.22-1</u>	<u>22:39</u>	<u>6.42</u>	<u>10.1</u>	<u>142</u>	<u>61</u>	<u>0.5</u>	<u>.36</u>	<u>269</u>	<u>332</u>	✓
C	<u>C.1-1</u>	<u>22:58</u>	<u>6.19</u>	<u>8.8</u>	<u>163</u>	<u>88</u>	<u>0.6</u>	<u>.30</u>	<u>278</u>	<u>62</u>	✓
	<u>C.2-1</u>	<u>23:16</u>	<u>6.41</u>	<u>8.7</u>	<u>1048</u>	<u>492</u>	<u>1.4</u>	<u>.11</u>	<u>288</u>	<u>252</u>	✓
partly on epoxy	<u>C.4-1</u>	<u>23:36</u>	<u>6.13</u>	<u>8.8</u>	<u>377</u>	<u>209</u>	<u>1.5</u>	<u>.29</u>	<u>278</u>	<u>239</u>	✓
^{1/2+} <u>sl.1-6</u>	<u>23:55</u>	<u>6.17</u>	<u>9.5</u>	<u>1082</u>	<u>233</u>	<u>4.0</u>	<u>.29</u>	<u>632</u>	<u>457</u>	✓	
	<u>C.5-1</u>	<u>00:14</u>	<u>6.31</u>	<u>9.0</u>	<u>299</u>	<u>148</u>	<u>-ve</u>	<u>-</u>	<u>278</u>	<u>264</u>	✓
	<u>C.6-1</u>	<u>00:33</u>	<u>6.00</u>	<u>8.9</u>	<u>128</u>	<u>74</u>	<u>-ve</u>	<u>-</u>	<u>285</u>	<u>280</u>	✓
	<u>C.7-1</u>	<u>00:52</u>	<u>5.93</u>	<u>8.6</u>	<u>231</u>	<u>146</u>	<u>2.4</u>	<u>.52</u>	<u>277</u>	<u>0</u>	✓
^{1st scan}	<u>C.8-1</u>	<u>1:10</u>	<u>6.08</u>	<u>9.1</u>	<u>284</u>	<u>159</u>	<u>-ve</u>	<u>-</u>	<u>276</u>	<u>320</u>	✓
^{1/2+} <u>sl.1-7</u>	<u>1:29</u>	<u>6.21</u>	<u>9.3</u>	<u>1109</u>	<u>242</u>	<u>1.2</u>	<u>.09</u>	<u>627</u>	<u>590</u>	✓	
^{1st scan}	<u>C.9-1</u>	<u>1:48</u>	<u>6.07</u>	<u>6.4</u>	<u>117</u>	<u>94</u>	<u>3.0</u>	<u>.67</u>	<u>269</u>	<u>0.0</u>	✓
	<u>C.11-1</u>	<u>2:11</u>	<u>6.19</u>	<u>8.8</u>	<u>540</u>	<u>291</u>	<u>2.5</u>	<u>.35</u>	<u>278</u>	<u>125</u>	✓
	<u>C.12-1</u>	<u>2:30</u>	<u>6.15</u>	<u>8.6</u>	<u>499</u>	<u>277</u>	<u>0.7</u>	<u>.10</u>	<u>280</u>	<u>239</u>	✓
	<u>C.13-1</u>	<u>2:49</u>	<u>6.20</u>	<u>8.0</u>	<u>749</u>	<u>449</u>	<u>0.7</u>	<u>.06</u>	<u>273</u>	<u>258</u>	✓
^{1/2+} <u>sl.1-8</u>	<u>3:07</u>	<u>6.17</u>	<u>9.2</u>	<u>1079</u>	<u>241</u>	<u>-ve</u>	<u>-</u>	<u>628</u>	<u>572</u>	✓	
	<u>C.14-1</u>	<u>3:26</u>	<u>6.12</u>	<u>9.0</u>	<u>494</u>	<u>273</u>	<u>5.7</u>	<u>.87</u>	<u>273</u>	<u>23</u>	✓
	<u>C.15-1</u>	<u>3:45</u>	<u>5.66</u>	<u>8.0</u>	<u>144</u>	<u>115</u>	<u>7.6</u>	<u>2.6</u>	<u>273</u>	<u>353</u>	✓
	<u>C.16-1</u>	<u>4:04</u>	<u>6.26</u>	<u>8.9</u>	<u>319</u>	<u>161</u>	<u>1.6</u>	<u>.40</u>	<u>282</u>	<u>248</u>	✓
	<u>C.17-1</u>	<u>4:22</u>	<u>6.36</u>	<u>8.9</u>	<u>349</u>	<u>175</u>	<u>1.5</u>	<u>.35</u>	<u>269</u>	<u>274</u>	✓

Mount/sample No: 99-15

Date: 6/9/99

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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¹²⁺ ThO	S11-9	4:41	6.21	10.8	1213	229	0.1	.01	628	583	✓
	C18-1	5:03	6.12	9.8	258	128	1.1	.36	281	193	✓
	C19-1	5:21	6.26	10.0	226	102	1.2	.48	281	132	✓
	C20-1	5:40	6.56	11.1	932	349	2.0	.24	264	257	✓
	C21-1	6:00	6.39	11.1	568	222	0.8	.15	274	221	✓
¹²⁺ ThO	S11-10	6:17	6.02	10.6	1135	238	-ve	-	630	555	✓
	C22-1	6:37	5.99	9.9	308	164	-ve	-	280	296	✓
	C23-1	6:57	5.96	10.1	184	96	5.1	2.2	274	4.2	✓
	C24-1	6:45 7:14	6:45	9.4	1216	531	2.6	.19	282	293	✓
¹⁰⁺ ThO	C28-1	7:31	6:36	8.8	166	84	1.5	.73	270	7	✓
	S11-11	7:50	6.01	11.3	1205	242	0.5	.04	625	562	✓
	C25-1	8:09	6.04	10.2	254	128	1.2	.39	279	156	✓
	C26-1	8:27	6.36	9.9	369	164	1.5	.38	274	148	✓
	C27-1	8:46	6.56	10.1	618	252	1.5	.25	267	223	✓
	S12-1	9:04	6.11	10.5	1238	247	-ve	-	635	541	✓