

### UWA SHRIMP DATA LOG

Date: 16/08/03 UWA Mount No.: (03-27) 03-65 03-54 Whose sample? (Kenim) NOREEN V. Operator(s): IF + MB

Indicate any change to the following: <sup>cup</sup> 196 <sup>202</sup> 204 <sup>203</sup> bkg 206 207 208 238 <sup>254</sup> 248 <sup>264</sup> 254 270

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

Steep: Wein volts / nA = -72/2.5 for O<sup>-</sup>; = -50/0.57 for O<sub>2</sub><sup>-</sup>; = -40/-70 for NO<sup>-</sup>

dead-time = 24 nanosecs

expected resolution = >4200

actual resolution = 4720

aperture = ~35 microns

retardation lens = HV+5 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 = 1.106 204-bkg = 0.045 204-206 = ~2.000

206-207 = 1.0014 206-208 = centered

Primary-epoxy = 0.114 nA

Primary-CZ3 = Fr 0.57 nA

PESABM-CZ3 = Fr 14 pA

Raster time (mins): 2

Raster aperture (microns): 50

No. of scans: 6

Comments:

Std on SPS-2  
Fr + UWA are for Kenim.

NV mounts:

Fr 6

PD-95 8(6)

QMa28-1 3(2)

Rejection over-ride	Sample/ Std ID	Time - printout	<sup>270/254</sup> UO/U <sub>2</sub>	<sup>203</sup> 196 Kcps	206 cps	<sup>270</sup> U <sub>2</sub> ppm Kcps	204Pb ppb cps	<sup>264</sup> <sup>Th<sub>2</sub></sup> <sup>206</sup> % Kcps	Age ± 1σ (Ma)	Offsets OK?
									206/238 207/206	
	Fr.1-1	09:00	1.35	3.48	9948	16.7	80.6	321	0607	✓
	PDAS.1-1	09:25	1.18	3.75	484184	209	1.0	655	0.1052	✓
	0327L.54									
	L-5-16									
	Fr.1-2	11:07	1.28	3.888	996	16.1	1.4	316	0.0624	✓
	PDAS.2-1	11:37	1.25	3.97	269593	369	0.8	425	0.1037	✓
	65F.1-1	12:17	1.46	1.22	5508	7.42	2.3	8.87	0.1831	✓
	65F.1-16	12:40	1.30	2.22	5458	8.16	0.5	11.2	0.1847	✓

6 scans  
6 scans  
Kenim 03-27  
3-65  
scans  
sample change  
7 scans

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	270 UO <sub>2</sub> ppm	204Pb ppb	264 f <sub>206</sub> %	Age ±1σ (Ma) 206/238      207/206	Offsets OK?
	65F.1-1c	13:04	1.08	2.93	5904	878	0.8	17.4	0.1816	✓
	Fr.1-3	13:47	1.35	2.39	1029	8.51	0.7	165	0.0577	✓
	QMa.1-1	14:17	1.41	2.19	1037	8.39	0.7	79.8	0.0616	✓
	Fr.1-4	15:57	1.32	2.14	1070	8.85	0.8	171	0.0588	✓
? Steppy	65C.1-1	16:48	1.36	1.99	8908	12.0	10.4	16.5	0.1915	✓
v. curved	65D.1-1	17:18	1.46	1.89	6492	8.29	2.6		0.1809	✓
	65D.1-1b	17:42	1.43	2.37	6374	9.73	1.0	5.02	0.1837	✓
	65D.1-1c	18:05	1.30	2.43	5184	7.34	1.7	5.87	0.1829	✓
	Fr.1-5	18:32	1.37	2.27	1055	7.82	1.0	171	0.0605	✓
	P095.1-2	18:58	1.25	2.17	91864	197	2.0	228	0.1041	✓
	Fr.1-6	20:44	1.32	2.16	680	4.5	1.7	171	0.0757	✓
	Fr.1-7	23:05	1.35	2.29	1206	9.21	0.7	174	0.0617	✓
	S4G.1-1	23:49	1.12	2.45	345	0.41	11.4	22	0.5029	✓
	S4F.1-1	00:25	0.66	2.20	693	2.96	37.8	24.5	0.8127	✓
	Fr.1-8	00:51	1.30	2.29	1175	9.37	0.9	185	0.0602	✓
	P095.2-2	01:18	1.19	2.19	670150	133	7.9	285	0.1051	✓
	S4B.1-1	01:49	1.36	2.21	330	0.54	3.6	5.72	0.3201	✓
	S4H.1-1	02:17	0.86	2.34	365	0.71	11.6	31.1	0.5918	✓
	P095.3-1	02:44	1.28	2.57	168590	354	1.4	167	0.1042	✓
	Fr.1-9	03:10	1.29	2.39	1164	9.60	1.0	189	0.0603	✓
v. curved	S4J.2-1	03:41	1.10	1.41	937	0.55	58.7	15.2	0.8841	✓
	S4K.2-1	04:10	1.02	1.70	250	0.25	9.3	5.24	0.5751	✓
	Fr.1-10	05:02	1.32	2.30	1143	9.56	0.8	185	0.0626	✓
	QMa.1-2	05:28	1.38	2.47	883	7.43	0.3	81.0	0.0599	✓
	SSJ.1-1	05:59	1.24	1.84	390	0.51	0.2	2.24	0.1865	✓

270/254  
196  
Kcps

270  
UO<sub>2</sub>  
ppm

204Pb  
ppb

264  
f<sub>206</sub>  
%

Age ±1σ (Ma)  
206/238      207/206

Offsets  
OK?

v. curved

? Steppy

v. curved

was QMa?

Sample change 03-62 in

Sample change 03-54 in

Remove in files

v. curved

sample change 03-55 in

checked  
10-all  
ok, a  
apparently  
just bad  
analysis

\*Note  
change  
oxide  
ratio

\*Note  
change  
oxide  
ratio

