

### UWA SHRIMP DATA LOG

Date: 18/11/01      UWA Mount No.: B92      Whose sample?: Noreen      Operator(s): IF+NV

---

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 = 93/3.4 for O<sup>-</sup>; = 67/1.1 for O<sub>2</sub><sup>-</sup>; = 55/5.0 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4654

aperture = 20 microns      retardation lens = 0 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 = 2.000  
 206-207 = 1.000    206-208 = 2.000

Primary-epoxy = ..... nA    Primary-CZ3 = 1.4 nA    PESABM-CZ3 = 20 pA

Raster time (mins): 1.5    Raster aperture (microns): 50    No. of scans: 6

Comments:

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C23.12-1	9:37	6.36	8.5	910	-	3.5	.01	-	498	✓
	C23.12-2	9:57	6.51	8.2	910	235	0.3	.10	582	526	✓
	<i>are dropped, 10 controls freeze.</i>										
	D18-1	10:55	5.59	11.1	1300	56	1.6	0.11	2541±33	2654±13	✓
	C23.12-3	11:25	6.58	7.4	780	234	3.4	0.3	551±6	534±67	✓
	C23.12-4	11:45	6.77	7.1	860	241	1.9	0.16	580±6	449±55	✓
	D17-1	12:06	6.20	8.2	3000	146	1.6	0.04	2755±26	2734±7	✓
	D16-1	12:26	6.60	7.3	2700	137	1.1	0.03	2710±25	2729±9	✓

*10 on v10min before data*

**START AGAIN**

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C23.11-1	12:48	6.46	7.3	820	241	2.9	0.24	570±6	606±56	✓
	D <sup>9</sup> 1-1	13:13	6.56	7.5	2900	150	2.5	0.06	269±28	264±10	✓
	D6-1	13:37	6.40	7.9	1400	72	1.6	0.01	2633±34	2715±11	✓
	C23.11-2	13:57	6.29	7.7	810	237	2.3	0.20	564±6	480±59	✓
	D4-1	14:19	6.50	7.5	2000	102	2.8	0.10	2702±31	2646±10	✓
	D2-1	14:39	6.36	8.0	1900	102	-	-	2663±29	2735±8	✓
	D3-1	14:59	6.74	7.4	4000	260	7.2	0.13	2140±14	2474±8	✓
	C23.11-3	15:18	6.47	7.4	820	242	2.1	0.18	558±5	552±44	✓
	D <sup>10</sup> 1-1	15:46	6.45	8.0	2300	113	2.8	0.09	2670±28	2707±10	✓
	D11-1	16:06	6.66	7.5	4900	264	6.4	0.10	2492±17	2628±7	✓
D8-2 =	D18-2	16:26	6.60	7.7	2800	138	0.3	0.01	2694±25	2652±8	✓
	D20-1	16:46	6.18	7.6	2300	138	-	-	2458±25	2609±8	✓
	C23.11.4	17:06	6.49	7.3	820	242	1.2	0.10	569±5	600±45	✓
	A4-1	17:26	6.45	7.6	3000	161	1.8	0.04	2580±24	2644±9	✓
	A3-1	17:46	6.51	7.5	3100	160	4.0	0.10	2642±23	2637±9	✓
	A6-1	18:06	6.55	7.3	1300	67	2.3	0.12	2690±38	2678±13	✓
	A2-1	18:26	5.80	8.2	2300	127	1.9	0.06	2605±22	2670±10	✓
	C23.11.5	18:45	6.48	7.4	830	245	0.0	0.00	565±5	572±25	✓
	A1-1	19:05	6.05	8.1	2100	119	2.7	0.09	2474±37	2637±25	✓
	A7-1	19:27	6.69	7.5	1900	103	5.9	0.22	2513±28	2618±15	✓
	A9-1	19:47	6.81	7.1	3000	174	5.2	0.12	2433±20	2540±9	✓
	A8-1	20:07	6.61	7.1	2200	119	2.6	0.08	2629±30	2664±9	✓
	A1-2	20:27	5.83	7.6	2300	149	6.5	0.17	2540±26	2635±10	✓
	C23.9-1	20:47	6.53	7.0	780	248	3.2	0.27	551±7	497±59	✓
	B10-1	21:08	6.86	6.3	4000	340	9.8	0.16	1916±31	2124±31	✓

