UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
31/8/01	B20	NK	McN + NK

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254	~~270~~ 196 HfO_2
Precambrian	Count time (secs):	2	10 ~~10~~	10 ~~10~~	10 ~~10/20*~~	~~30/10*~~	10 ~~10~~	5	~~5~~ 5	2	2
Phanerozoic*	Delay time (secs):	~~8~~ 1	3	1	2	1	1	3	2	2	8

Steel: Wein volts / nA = 784/32/19.0 for O^-; = 514/212/4.6 for O_2^-; = 394/168/9.7 for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4704

aperture = 100 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 ± 5

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 4.1 nA Primary-CZ3= 5.9 nA PESABM-CZ3 = 70 pA

Raster time (mins): 1 Raster aperture (microns): 60 No. of scans: 5

Comments: * stepped from 254 → not enough delay time !

Rejection over-ride	Sample/ Std ID	Time - printout	U/O/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	cz.1-1	10:21	6.27	26	3000	238	0.3	.03	572 ± 3	541 ± 20	✓
	cz.1-2	10:37	6.28	26	3000	240	-0.3	–	567 ± 4	581 ± 22	✓
	1-1	10:56	6.48	26	3800	42	1.0	.07	3265 ± 28	3303 ± 6	✓
Delete 1st 196/2n* →	2-1	11:15	6.35	25	2700	33	-0.1	–	3083 ± 30	3072 ± 8	✓
	cz.1-3	11:31	6.32	25	3000	242	0.5	.04	570 ± 8	576 ± 29	✓
	3-1	11:47	6.50	25	1500	196.2	1.8	.00031	2879 ± 16	3072 ± 6	✓
	4-1	12:03	6.09	25	3600	42.1	0.8	.00056	3334 ± 31	3307 ± 6	✓
	5-1	12:18	6.26	26	1700	20.9	-0.7	–	3116 ± 46	3100 ± 11	✓

Mount/sample No: B20 **Date:** 31/8/01 **Page No:** 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	(UB20)										
	6-1	12:39	6.39	24	4900	63.2	1.1	.00052	3109±24	3066±6	✓
	7-1	12:55	6.48	25	1600	20.8	1.7	.0273	2919±38	3034±12	✓
	8-1	13:12	6.14	25	5800	74.1	0.1	.00002	3151±21	3303±4	✓
	cz.1-4	13:28	6.34	25	2800	237.5	0.1	.00012	573	560	✓
	9-1	13:45	6.34	26	6500	81.6	1.7	.0065	2986±24	3053±5	✓
	10-1	14:01	6.34	26	3400	43	1.4	.00104	2974±26	3053±7	✓
	11-1	14:17	6.34	25	4600	54.5	1.0	.00050	3241±25	3310±5	✓
DISCORDANT. V. High U grain	12-1	14:33	7.01	22	1400	448.6	6.2	.00111	1355±45	2665±63	✓
	13-1	14:48	6.39	25	3100	36.4	0.6	.00050	3228±30	3308±8	✓
	14-1	15:04	6.47	25	2100	26.6	0.4	.00045	2998±43	3038±10	✓
	15-1	15:19	6.25	26	3400	42	-0.0	-	3065±26	3083±6	✓
	cz.1-5	15:34	6.54	24	2900	242.2	-0.3	-	561±3	582±33	✓
	16-1	15:51	6.36	23	4100	56.4	1.1	.00063	2989±45	3062±7	✓
	17-1	16:06	6.53	24	6200	80	2.3	.0092	2970±21	3047±5	✓
	18-1	16:22	6.17	26	2800	37.2	0.7	.00057	3023±28	3041±8	✓
	19-1	16:37	6.47	25	2800	34.5	0.4	.00037	3047±37	3072±8	✓
	20-1	16:53	6.35	26	2800	35	0.8	.00027	3022±29	3076±8	✓
	21-1	17:09	6.08	26	3100	41	2.4	.00184	2964±25	3053±7	✓
	22-1	17:25	6.49	24	2900	36	-0.2	-	3059±34	3071±14	✓
	cz.6-1	17:40	6.51	25	2900	240.1	0.0	.00001	552	519	✓
	23-1	17:56	6.38	26	3600	43.7	-0.2	-	3044±26	3083±12	✓
	24-1	18:11	6.25	25	1300	168.7	2.6	.00049	2986±18	3082±4	✓
	25-1	18:27	6.35	26	3800	47.7	0.8	.00049	3030±38	3063±6	✓
	26-1	18:42	6.50	25	8600	107.7	0.2	.00007	3026±17	3084±4	✓
	27-1	18:57	6.34	26	1800	21.8	0.5	.00070	3107±37	3098±9	✓

Mount/sample No: B20 Date: 31/8/01 Page No: 3

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	CZ-1-7	19:12	6.38	26	2900	35.2	0.4	.00037	553 ± 9	541 ± 40	✓
	28-1	19:28	6.30	25	5200	66.3	2.5	.0119	2994 ± 22	3070 ± 6	✓
	29-1	19:43	6.43	26	5000	61.1	0.5	.00026	3010 ± 32	3058 ± 7	✓
	30-1	19:59	6.39	26	2900	35.9	1.0	.0085	2967 ± 28	2985 ± 9	✓
	31-1	20:14	6.40	26	1600	19.6	0.7	.0118	2985 ± 71	3027 ± 32	✓
	32-1	20:29	6.41	2.6	1400	16.8	0.5	.00088	3084 ± 61	3086 ± 23	✓
	33-1	20:45	6.59	25	4500	54.3	0.7	.00039	3011 ± 23	3071 ± 6	✓
	34-1	21:00	6.41	26	3300	40.7	0.5	.00058	3038 ± 28	3062 ± 8	✓
	CZ-2-1	21:16	6.16	28	2800	223.9	1.1	.00101	550 ± 6	535 ± 31	✓
	35-1	21:32	6.52	26	5600	65.5	0.3	.0012	3064 ± 22	3053 ± 11	✓
	36-1	21:49	6.21	27	2100	25.7	1.0	.00126	3052 ± 46	3044 ± 10	✓
	37-1	22:08	6.36	26	3200	39.3	1.4	.0015	2976 ± 30	3064 ± 9	✓
	38-1	22:24	6.54	26	3500	42.8	1.0	.0072	2921 ± 29	3082 ± 7	✓
	39-1	22:40	6.34	26	7600	95.8	1.1	.00037	2942 ± 66	3072 ± 27	✓
	40-1	22:56	6.35	26	3700	44.9	-0.1	—	3034	3064	✓
	CZ-2-2	23:11	6.30	26	2800	226.2	0.7	.0063	564 ± 4	502 ± 31	✓
*	41-1	23:26	6.05	28	8700	9.5	0.4	.00116	3341 ± 64	3416 ± 13	✓
	42-1	23:42	6.33	25	3300	40.6	0.6	.0048	3123 ± 29	3152 ± 7	✓
	43-1	23:57	6.33	27	5400	60.3	1.4	.0069	3213 ± 22	3301 ± 5	✓
	44-1	00:12	6.42	26	3600	43.8	0.3	.0022	3012 ± 29	3068 ± 8	✓
	45-1	00:27	5.95	26	3200	43.8	0.9	.00065	295 ± 25	3062 ± 8	✓
	CZ-2-3	00:42	6.19	27	2800	226.1	0.1	.0005	551 ± 3	627 ± 16	✓
	46-1	00:57	6.39	25	2200	27.7	-0.1	—	3025 ± 44	3072 ± 8	✓
	47-1	01:12	6.35	26	5800	74.5	0.0	.00001	2954 ± 20	3073 ± 5	✓