UWA SHRIMP DATA LOG

Date	UWA Mount No.	Whose sample?	Operator(s)
17th Feb 2001	A-89	Sandeep	SB & SJ

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 = 7.6 for O^-; = 3.2 for O_2^-; = 8.6 for NO^-

dead-time = ... nanosecs 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 = 8.169 204-bkg = 0.045 204-206 = 1.992

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.9 nA Primary-CZ3= 4.0 nA PESABM-CZ3 = 45 pA

Raster time (mins): 1.0 Raster aperture (microns): 50 No. of scans: 6

Comments:

n = 16
1.48%

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?
	CZ3-1	10:47	5.47	26	1900	238	-0.9	.01	572	553	—
	CZ3-2	11:09	5.54	25	1900	243	0.6	0.00	574	625	✓
Rim	C 3-1	11:31	5.73	22	880	3197	-0.8	.01	22.6±0.6	0.	✓
	CZ3-3	11:57	5.91	17	1600	270	1.4	-01	579	520	✓
older Rim	C5-1	12:18	6.27	13	830	1509	1.9	0.23	68	128	✓
Rim	C 1-1	12:36	6.14	13	820	1319	0.9	0.29	24.1±0.5	0	✓
Core	C 2-1	12:52	5.17	14	220	666	0.4	0.22	51.5±0.5	184	✓
Rim	C4-1	13:10	5.91	13	44	280	-1.3	0.95	20.84±0.4	123	✓

Decreased Koehler kns to decrease I° intensity from 1.4nA to 8.1nA → Good

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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?
	CZ3-4	13:27	5.75	15	1400	275	0.0	0.03	580	571	✓
cor	C 4-2	13:44	6.12	12	120	376	0.7	0.35	431	0	✓
Rim	C 18-1	14:02	5.89	15	210	833	50.0	2.82	21.76±15	0	✓
Cor	C 18-2	14:18	5.85	14	170	970	2.5	0.10	22.5±0.5	110.7	✓
	C17-1	14:37	5.80	15	210	1160	1.0	0.13	21 ±0.3	59.2	✓
	CZ3-5	14:55	5.74	16	1500	273	-0.6	-0.01	596	538	✓
cor	C17-2	15:11	5.78	14	61	113	-2.2	0.07	68.14	170	✓
	C16-1	15:28	5.91	15	62	333	0	0.50	21.56±3	181	✓
	C15-1	15:45	5.71	14	59	3319	-0.7	0.43	23.56±0.6	0	✓
	C14-1	16:01	6.13	14	72	3533	0.1	0.07	24.14±0.1	89	✓
	CZ3-6	16:18	5.64	15	1300	273	0.9	-0.00	588	519	✓
cor	C14-2	16:34	5.26	14	160	500	0.0	0.49	44.49±1	0	✓
	C13-1	16:52	5.91	8.3	11	104	0.6	1.11	22.68±0.9	729	✓
	C12-1	17:09	5.82	15	57	326	0.5	0.09	20.80±0.3	252	✓
Rim	C11-1	17:25	5.99	14	75	415	-0.4	0.14	21.38±0.3	775	✓
	CZ3-7	17:43	5.80	15	1400	277	0.7	0.00	574	567	✓
Rim	C10-1	18:10	6.25	14	37	1958	1.5	0.22	22.19 ±0.1	70.85	✓
Grain Core	C9-1	18:17	5.99	13	32	195	2.0	0.78	21.37 ±0.6	562	✓
Rim	C8-1	18:33	5.73	14	12	690	1.4	0.49	21.83±0.3	0	✓
cor	C6-1	18:50	6.05	12	59	114	0.7	0.16	692	958	✓
Rim	~~CZ3-8~~ C6-2	19:07	5.51	12	130	977	-0.3	0.26	21.20±0.5	0	✓
	CZ3-8	19:24	5.92	17	1600	268	0.0	0.00	587	571	✓
	B1-1	19:42	6.04	14	84	172	1.1	0.28	60.4	0	✓
	B1-2	19:58	6.14	14	36	68	-0.4	0.97	64.0 ±3.1	116	✓
	B2-1	20:16	5.21	13	61	180	-0.6	-0.01	53.48±1.9	756	✓

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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?
	B3-1	20:32	6.01	7.7	70	246	0.2	-0.03	63.55 ±1.1	220	✓
	CZ3-9	20:49	5.84	16	1500	272	1.0	0.00	576	626	✓
	B20-1	21:06	577	12	520	1176	-0.3	0.00	64.65 ±0.7	0	✓
	B21-1	21:24	5.74	24	40	84	0.4	1.36	60.32 ±1.6	96.7	✓
	B22-1	21:41	5.88	15	36	70	0.5	1.10	60.73 ±1.4	0	✓
	B23-1	22:00	5.51	15	43	91	0.6	1.36	59.21 ±1.2	0	✓
	CZ3-10	22:16	5.56	14	1100	275	0.8	0.01	564	585	✓
	B25-1	22:35	6.08	14	55	113	0.5	1.05	59.93 ±1.3	170.51	✓
	B24-1	22:52	5.56	12	73	189	0.5	1.41	59.69 ±0.9	0	✓
	B24-2	23:08	6.14	14	130	249	1.0	0.29	60.99 ±7.6	127.3	✓
	B14-1	23:26	5.79	14	170	346	0.3	0.53	61.74 ±0.6	0	✓
	B15-1	23:43	5.85	14	91	182	0.6	0.13	62.66 ±0.9	53	✓
	CZ3-11	0:00	5.92	16	1600	281	-0.4	0.00	591	507	✓
	B16-1	00:17	5.87	15	45	87	0.7	0.39	62.90 ±1.3	0	✓
	B17-1	00:33	5.94	14	120	234	1.3	0.50	63.70 ±2.3	0	✓
	B18-1	00:51	6.32	14	93	186	0.5	1.05	58.66 ±0.7	0	✓
	B19-1	1:09	5.78	14	78	170	0.9	0.50	60.51 ±1.0	114	✓
	CZ3-12	1:25	5.77	17	1500	268	-0.7	0.04	578	530	✓
	B10-1	1:42	6.60	12	140	276	1.2	-0.15	62.52 ±0.8	308	✓
	B11-1	1:59	6.17	13	47	77	-0.1	-1.92	77.73 ±26.8	347	✓
	B12-1	2:17	5.87	15	13	255	0.0	0	62.33	—	✓
88	B13-1	2:33	5.81	14	130	155	2.7	2.0	99	—	✓
8 →	CZ3-13	2:49	5.73	15	980						
	~~B28-1~~										
	CZ3-14										

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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?
	CZ3-15	3:49	5.93	17	1510	238	0.9	0.01	572	644	✓
	CZ3-16	4:04	5.91	18	1600	250	-0.5	0.01	584	549	✓
	B8-1	4:20	5.92	14	110	203	1.3	0.13	64.06 ±0.8	257	✓
	B7-1	4:36	5.44	13	47	106	-1.5	0.68	62.71 ±1.4	0	✓
	B6-1	4:52	5.97	14	220	349	-0.2	0.04	66.21 ±0.5	127	✓
	B5-1	5:24	5.64	14	110	215	0.9	0.82	62.71 ±0.7	0	✓
	B4-1	5:08	5.86	14	88	162	-0.5	0.53	65.37 ±0.9	0	✓
	CZ4-1	5:42	5.83	15	1400	255	-0.4	0.05	613	619	✓
	A1-1	5:58	5.90	16	130	246	2.6	0.71	57.43 ±0.7	71.92	✓
	A2-1	6:15	5.95	14	110	211	1.1	0.22	62±29 ±0.7	193	✓
	A3-1	6:31	6.03	14	180	343	0.1	0.51	60.89 ±0.6	0	✓
	A4-1	6:48	6.12	14	74	143	0.7	0.39	60.94 ±0.9	0	✓
	A5-1	7:04	6.02	14	240	473	-0.5	0.0	61.23 ±0.5	83.4	✓
	CZ4-2	7:20	5.84	15	1400	257	1.1	0.03	608	488	✓
	A6-1	7:37	5.95	14	140	265	-1.6	0.15	62.01 ±1.0	0	✓
	A7-1	7:53	5.52	14	130	267	1.4	0.76	64.40 ±0.7	0	✓
	A8-1	8:09	6.19	13	270	505	1.2	0.07	63.14 ±0.5	0	✓

Calibration Standard