

UWA SHRIMP DATA LOG

Date: 7/10/00 UWA Mount No.: A-28 Whose sample?: San deep Operator(s): Stu / San deep

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 20*	10	5	5	2	
Phanerozoic* Delay time (secs):	8	3	1	2	1	1	3	2	2	

Steel: Wein volts / nA = -53V/6.6 for O⁻; = -70V/3.1 for O₂⁻; = -109V/3.7 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5100
 aperture = 100 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 = 8.168 204-bkg = 0.045 204-206 =

Sens = 15.2
Ref: 18.7k

206-207 = 206-208 =

Primary-epoxy = 2.6 nA Primary-CZ3 = 3.4 nA PESABM-CZ3 = 44 pA

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 5

Comments:

2-18%
 n=15
 7-3 + 8-6

2-23%
 NO. Stand (16)
 n=16
 Excluded 7-3

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?
	C28-1	10:22	—	18.7 18.7	1682	222	-0.2	—	572	637	—
	C28-2	10:39	6.19	18.8	1680	217	-1.5	0.13	568	594	✓
	A1-1	11:01	6.16	19.6	6447	973	0.7	0.02	479	488	✓
	A2-1	11:17	6.35	17.9	8749	1247	0.7	0.01	502	507	✓
	C28-3	11:37	6.24	18.4	1582	213	-0.7	0.06	546	613	✓
	A3-1	11:55	5.90	17.1	3152	636	2.0	0.07	473	475	✓
	A4-1	12:12	6.66	15.6	4980	704	1.2	0.04	504	478	✓
	A5-1	12:28	6.45	16.7	5001	728	1.0	0.03	502	488	✓

Stu (mobile): 0417958910

Mount/sample No: A-28Date: 7/10/00Page 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?	
	A6-1 (Rim)	12:52	6.64	16.1	5189	730	1.5	0.04	498	447	✓	
	C28-4	13:11	6.10	17.4	1504	220	0.7	.06	549	569	✓	
	A6-2 (Core)	13:20	6.00	17.5	451	76	0.1	.02	521	520	✓	
	A7-1	13:45	6.33	16.1	3350	572	0.8	.03	473	483	✓	
	A8-1	14:01	6.18	15.5	4062	810	18.0	.53	453	552	✓	
	A9-1	14:23	6.35	15.1	7407	1327	0.2	.00	476	476	✓	
	A10-1	14:43	6.27	13.6	1760 373	373	0.3	.02	468	476	✓	
	C28-5	15:02	6.24	14.9	1381	224	0.01	.10	560	598	✓	
			Primary Beam went off					Restarted				
	* 3 Core Scan	C28-6	17:36	17.0	1552	220	1.7	.15	572	597	—	
	Not Sure	C28-7	17:55	16.0	1473	220	0.2	.02	572	531	—	
	Calibrating Standard	C27-1	18:13	—	15.4	1447	220	0.5	.05	572	598	—
		C27-2	18:31	6.22	15.6	1415	217	-0.5	.04	553	527	✓
		A11-1	18:50	6.40	15.8	1155 1155	7.0	.14	465	463	✓	
		A12-1	19:08	6.39	15.2	8627	1446	-1.2	.02	479	484	✓
	?	A13-1	19:26	6.03	16.3	1539	295	0.1	.01	473	464	✓
		A14-1	19:43	6.63	14.1	10923	1799	2.0	.03	471	473	✓
		C27-3	20:01	6.06	14.6	1374	181	0.2	.02	512	570	✓
		A15-1	20:20	5.92	13.5	731	196	1.2	0.15	437	475	✓
		A16-1	20:38	5.67	12.1	1326	459	2.8	0.15	434	427	✓
		A17-1	20:54	6.53	12.6	6478	1274	1.6	.03	462	479	✓
		A18-1	21:11	6.51	13.3	2101	394	0.8	.05	464	446	✓
		C27-4	21:29	6.32	15.4	1512	214	0.5	.04	578	529	✓

Mount/sample No: A-20Date: 7/10/00Page No: 3

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?
	A-19-1	21:49	6.66	13.9	390	64	0.4	0.15	403	499	✓
	A20-1	22:05	6.07	14.6	4190	915	6.9	0.18	452	462	✓
	A21-1	22:23	6.31	15.1	1719	300	0.3	0.02	472	490	✓
	A22-1	22:41	6.00	15.0	48 225	49	1.3	0.65	467	190	✓
	A23-1	22:50	6.10	13.1	4410	1100	3.1	0.07	436	401	✓
	C27-5	23:10	6.19	15.9	1427	212	-1.0	0.09	572	533	✓
	A24-1	23:35	6.23	14.4	8097	1564	3.0	0.06	477	405	✓
	A25-1	23:52	6.51	0.9	1629	368	2.9	0.17	512	415	✓
	B 1-1	00:10	6.71	14.6	7455	349	4.3	0.08	1431	1743	✓
	C 1-1	00:29	6.39	13.5	3511	677	1.1	0.04	471	439	✓
	<u>C 2-1</u> (Cms)	00:46	6.35	14.9	850	150	2.4	0.36	456	336	✓
	C27-6	1:05	6.39	14.7	1442	213	2.0	0.10	563	572	✓
	<u>C 3-1</u> (Cms)	1:22	6.09	14.7	536	109	2.1	0.45	474	472	✓
	<u>C 4-1</u> (Cms)	1:39	6.40	15.5	4135	370	23.9	0.78	845	734	✓
	<u>C 5-1</u> (Cms)	1:56	6.32	14.2	3707	430	2.4	0.08	751	812	✓
	<u>C 5-2</u> (Cms)	2:12	6.25	14.0	2306	440	10.7	0.57	456	427	✓
	<u>C 6-1</u> (Cms)	2:30	5.83	10.7	2023	660	8.1	0.29	464	334	✓
	C27-7	2:40	6.34	16.2	1551	207	-0.5	0.04	579	569	✓
	<u>C 7-1</u> (Cms)	3:06	6.37	15.1	5008	209	1560	32.9	1055	1337	✓
	<u>C 8-1</u> (Cms)	3:22	6.47	12.3	1703	127	1.7	0.11	1211	1230	✓
	<u>C 9-1</u> (Cms)	3:39	6.41	14.7	734	139	3.2	0.58	433	353	✓
	<u>C 10-1</u> (Cms)	3:56	6.50	15.2	1627	271	0.9	0.08	461	433	✓
	C 11-1	4:14	6.36	15.5	1392	230	2.1	0.20	486	506	✓
	C27-8	4:32	6.07	15.2	1290	223	0.0	0.03	540	636	✓
	<u>C 12-1</u> (Cms)	4:50	6.15	14.9	1291	256	2.0	0.25	469	303	✓

238 U 240 Tl
254 UO scan!

Mount/sample No: A-20

Date: 8/10/00

Page No: 4

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	C12-2 (21)	5:06	6.25	14.6	1203	240	2.6	0.26	450	392	✓
	C13-1 (Cons)	5:23	6.52	14.5	1645	281	-0.7	0.06	464	495	✓
	C14-1 (Cons)	5:39	6.67	13.0	642	120	0.7	0.15	443	424	✓
	C2-10-1	5:59	6.39	15.0	1533	213	1.0	0.00	584	458	✓
	C15-1	6:17	6.19	0.6	183	42	2.0	0.56	859	1004	✓
	C16-1	6:34	6.81	14.1	1500	215	2.2	0.22	498	507	✓
	C17-1	6:51	6.60	13.9	1323	144	1.5	0.15	719	807	✓
	C18-1	7:08	6.73	12.9	4317	743	4.4	0.14	472	423	✓
	C19-1	7:29	6.36	14.2	984	178	1.9	0.25	464	396	✓
	C210-2	7:40	6.42	14.1	1374	208	0.6	0.06	562	615	✓
	C20-1	8:05	6.17	13.4	1812	397	2.1	0.13	464	419	✓
	C21-1	8:21	6.23	14.0	490	98	1.0	0.24	471	333	✓