

UWA SHRIMP DATA LOG

Date: 27th Nov. 2000 UWA Mount No.: A-57 Whose sample?: Sandeep Operator(s): Stu/Sandeep

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

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

Steel: Wein volts / nA = 90V / 18nA for O⁻; = 64V / 2.8nA for O₂⁻; = 54V / 3.2nA for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5110

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 = 8.167 204-bkg = 0.045 204-206 = 1.980

206-207 = 0.998 206-208 = 1.997

Primary-epoxy = 2.6 nA Primary-CZ3 = 3.4 nA PESABM-CZ3 = 42 pA

Raster time (mins): 1.0 Raster aperture (microns): 120 No. of scans: 7

Comments:

n = 12
 Error 1.76
 Default.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	CZ 1-1	11:07	6.22	16.1	1404	220	0.3	.03	572	542	-
	CZ 1-2	11:28	6.36	15.3	1483	214	-0.1	-0.00	574	590	✓
	Rim C1-1	11:53	6.11	15.0	202	1167	1.0	0.06	24.1 ± 0.1	0	✓
	Core C1-2	12:17	6.93	11.6	736	111	-0.1	-0.02	557	571	✓
	Middle C1-3	12:39	6.82	15.1	968	1016	1.1	.04	67 ± 0	289	✓
	CZ 1-3	13:01	6.41	15.1	1477	212	-0.6	-0.06	568	572	✓
	CZ 1-4	14:10	6.09	15.0	1391	220	0.3	.02	572	524	✓
	Rim C 22-1	14:33	7.18	13.8	411	1000	0.6	0.17	23.6	95.7	✓

⊕ ↓
 New calibration standard.

⊕ Changed the mass calibration (closer to the theoretical value)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	Offsets OK?	
									206/238 207/206		
	Rim C2-1	14:59	7.40	13.7	1711	2930	-0.4	0.04	33.7	0	✓
UO-7	Middle C2-2	15:20	6.87	13.1	1897	3393	14.4	1.70	41.1	0	✓
	Core C2-3	15:41	6.42	13.9	674	1104	1.7	1.70	51.3	0	✓
	C2-4 C2-5	16:02	6.29	14.8	1367 205	205	0.3	0.03	55.1	528	✓
	Rim C3-1	16:24	7.44	13.1	1294	2334	4.2	0.28	32.8	90.3	✓
	Core C3-2	16:45	7.24	13.5	1403 2702	2702	1.6	0.16	32.4	0	✓
	Core C4-1	17:07	6.33	15.1	498	34	-1.3	-0.38	11.3	1112	✓
	Middle C4-2	17:28	7.07	13.7	873	1004	0.8	0.04	31.8	39.6	✓
	Rim C4-3	17:49	6.68	13.9	575	1652	0.2	0.02	26.5	98.1	✓
	CZ1-6	18:11	6.23	14.9	1342	203	0.4	0.04	56.2	547	✓
	Rim C5-1	18:33	6.94	13.6	463	1280	0.2	0.09	25.4	168	✓
	Core C5-2	18:53	6.85	13.8	705	1634	2.5	0.15	30.8	67.5	✓
	Core C6-1	19:18	6.51	14.6	1501	224	2.1	0.20	50.7	71.7	✓
	Middle C6-2	19:38	7.16	13.5	821	1477	1.5	0.07	35.7	64.9	✓
	Middle Rim C6-3	19:59	7.51	12.1	1524	2853	1.7	0.04	33.7	59.6	✓
	CZ1-7	20:20	6.21	14.7	1336	204	0.5	0.04	56.8	60.9	✓
	Rim C6-4	20:42	6.64	13.9	458	1218	-0.7	0.02	29.3	80.3	✓
	Rim C7-1	21:03	6.29	14.9	340	1152	3.0	0.08	25.2	129.0	✓
	Core C7-2	21:25	6.84	13.8	386	1038	1.7	0.12	26.5	18.9	✓
	Core C9-1	21:47	6.65	14.2	3518	282	1.4	0.06	88.4	90.3	✓
	Middle C9-2	22:07	6.97	13.4	1202	2710	0.2	0.04	31.0	127.1	✓
	CZ1-8	22:29	6.30	14.1	1311	204	0.4	0.04	55.6	53.7	✓
	Rim C9-3	22:50	6.88	12.7	2127	4973	2.9	0.02	32.8	5.5	✓
	Rim C10-1	23:11	7.94	11.5	2079	3253	2.6	0.03	36.3	5.4	✓
	Core C10-2	23:31	7.33	13.4	1176	2027	1.3	0.02	35.3	0	✓

Mount/sample No: A-57 Date: 27th Nov. 2018 Page 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?
	Core C10-3	23:52	7.79	10.9	1317	724	1.4	0.11	114	324	✓
	Core C17-1	00:12	6.46	13.7	1986	170	2.0	0.13	935	1129	✓
	CZ1-9	00:33	6.35	13.6	1257	198	-0.3	-0.03	558	553	✓
	Rim C17-2	00:55	6.42	14.2	295	1084	1.8	0.06	23.0	37.9	✓
	Core C11-1	1:16	6.74	11.6	1168	192	1.7	0.18	522	485	✓
	Rim C11-2	1:36	7.58	9.0	3142 1605	3142	2.0	0.04	48.9	63.4	✓
	Middle C11-3	1:57	7.63	10.9	1936	3030	1.0	0.02	42.5	69.8	✓
	Rim C12-1	2:17	7.61	10.4	2241	4309	9.7	0.70	36.4	17.3	✓
	CZ1-10	2:39	6.38	13.8	1278	196	0.9	0.09	555	508	✓
	Rim C8-1	3:01	6.84	13.7	344	1040	3.2	0.08	24.0	0	✓
	Rim C13-1	3:23	7.10	12.7	348	971	1.6	0.08	25.1	32.0	✓
	Rim C14-1	3:45	6.89	12.9	257	891	2.3	0.06	21.8	93.1	✓
	Core C14-2	4:05	7.21	12.7	764	1416	1.3	0.10	36.3	0	✓
	Rim C15-1	4:26	6.90	13.1	289	848	0.9	0.00	25.0	25.8	✓
	CZ1-11	4:47	6.46	13.5	1309	196	0.0	0.00	559	524	✓
	Rim/grain C16-1	5:09	6.38	13.8	265	1207	0.7	0.08	19.5	0	✓
	Rim C18-1	5:31	7.35	11.4	441	1268	0.6	0.08	24.7	35.0	✓
	Rim C19-1	5:53	6.34	4.7	139	1696	1.9	0.21	21.6	0	✓
	Rim C20-1	6:15	7.82	11.5	2202	3830	1.6	0.09	34.1	28.2	✓
	Rim C21-1	6:36	6.46	13.4	1587 510	1587	0.7	0.12	28.2	0	✓
	CZ1-12	6:57	6.37	13.9	1260	198	1.1	0.11	543	488	✓
	Rim C23-1	7:21	6.79	13.1	525	1533	2.4	0.12	26.4	0	✓
	Rim C24-1	7:41	7.11	12.1	1649	3892	0.8	0.00	31.0	47.3	✓
	Rim C25-1	8:02	7.42	12.3	1566	3129	1.1	0.03	31.9	0	