

UWA SHRIMP DATA LOG

Date: 9/9/01 UWA Mount No.: B-50 Whose sample?: NV Operator(s): McN + 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 = 39V/1.67/3.9 for O⁻; = 51V/1.2 for O₂⁻; = 77V/3.18/5.5 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4618

aperture = 70 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 - 2.006

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 1.1 nA Primary-CZ3 = 1.4 nA PESABM-CZ3 = 18 pA

Raster time (mins): 1.5 Raster aperture (microns): 60 No. of scans: 6

Comments: SDA = 3578 ± 4 Ma

Pravara data file B50EE2v PD.txt

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?
	<u>c2.8-1</u>	<u>12:11</u>	<u>6.69</u>	<u>5.8</u>	<u>700</u>	<u>238</u>	<u>-0.2</u>	<u>-</u>	<u>572 ± 5</u>	<u>563 ± 33</u>	<u>✓</u>
	<u>c2.8-2</u>	<u>12:33</u>	<u>6.54</u>	<u>5.7</u>	<u>660</u>	<u>237</u>	<u>1.8</u>	<u>0.15</u>	<u>565 ± 6</u>	<u>606 ± 51</u>	<u>✓</u>
	<u>c1-1</u>	<u>12:55</u>	<u>6.58</u>	<u>5.4</u>	<u>1300</u>	<u>82</u>	<u>1.0</u>	<u>0.04</u>	<u>2761 ± 35</u>	<u>2724 ± 12</u>	<u>✓</u>
	<u>c2-1</u>	<u>13:17</u>	<u>6.93</u>	<u>5.8</u>	<u>1600</u>	<u>86</u>	<u>3.5</u>	<u>0.14</u>	<u>2764 ± 33</u>	<u>2682 ± 11</u>	<u>✓</u>
	<u>c28-3</u>	<u>13:35</u>	<u>6.21</u>	<u>5.6</u>	<u>590</u>	<u>235</u>	<u>3.6</u>	<u>0.32</u>	<u>550 ± 5</u>	<u>535 ± 56</u>	<u>✓</u>
	<u>c3-1</u>	<u>13:54</u>	<u>6.41</u>	<u>5.9</u>	<u>2900</u>	<u>206</u>	<u>3.8</u>	<u>0.08</u>	<u>2412 ± 19</u> <u>2576 ± 1</u>	<u>2576 ± 9</u>	<u>✓</u>
	<u>c6-1</u>	<u>14:12</u>	<u>6.44</u>	<u>5.8</u>	<u>6800</u>	<u>453</u>	<u>6.2</u>	<u>0.05</u>	<u>2588 ± 17</u>	<u>2628 ± 11</u>	<u>✓</u>
	<u>c8-1</u>	<u>14:32</u>	<u>6.61</u>	<u>5.6</u>	<u>940</u>	<u>624</u>	<u>7.7</u>	<u>0.05</u>	<u>2612 ± 12</u>	<u>2670 ± 4</u>	<u>✓</u>

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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	
	C25-1	14:50	6.59	5.5	660	242	2.0	0.17	564±5	533±58	✓
	C10-1	15:10	6.65	5.5	1200	76	4.0	0.19	2730±39	2716±13	✓
	C11-1	15:29	6.52	5.5	1900	119	1.3	0.04	2769±29	2682±11	✓
	C12-1	15:48	6.78	5.7	1300	74	0.9	0.04	2800±41	2683±12	✓
	C12-2	16:06	6.48	5.6	1400	88	2.7	0.11	2691±32	2698±14	✓
	C26-1	16:24	6.48	5.8	680	233	2.2	0.18	586±7	518±52	✓
	C21-1	16:43	6.67	5.5	4100	259	3.3	0.05	2723±22	2680±6	✓
	C22-1	17:01	6.50 5.79 6.0	5.5 6.0	890	68	5.7	0.32	2521±40	2660±15	✓
	SMA17-1	17:23	6.7	5.4	3300	192	20.4	0.35	2575±23	3377±7	✓
	D24-1 E2	17:42	6.46	5.8	3500	228	2.4	0.04	2604±19	2669±8	✓
	C23-1	18:04	6.60	5.5	680	238	2.1	0.18	580±6	446±47	✓
	C25-2	18:23	6.45	5.6	710	47	5.6	0.44	2637±49	2705±19	✓
	C25-2	18:41	6.22	5.1	1600	129	5.2	0.16	2585±32	2662±12	✓
	C26-1	19:00	6.84	5.8	420	248	1.2	0.18	2668±70	2681±21	✓
	SMA23-1	19:20	6.47	5.8	2900	134	13.8	0.28	3381±30	3521±7	✓
	C23-2	19:40	6.43	5.9	650	228	3.1	0.27	569±6	540±55	✓
	C28-1	20:00	6.15	5.2	1400	107	5.6	0.19	2584±36	2646±14	✓
	C32-1	20:18	6.28	5.7	3500	222	4.3	0.07	2716±22	2668±7	✓
	C35-1	20:37	6.44	5.7	4900	321	5.5	0.06	2673±20	2660±6	✓
	C43-1	20:50	6.53	5.6	1800	115	14.7	0.46	2688±31	2645±12	✓
	C23-3	21:15	6.72	5.4	680	239	3.4	0.28	577±6	368±57	✓
	C45-1	21:34	6.42	5.6	3400	238	2.9	0.05	2580±19	2627±7	✓
	C49-1	21:53	6.46	5.6	3700	244	4.5	0.07	2665±26	2664±7	✓
	C48-1	22:13	5.81	6.0	3000	223	4.9	0.09	2548±24	2650±9	✓
	C23-4	22:31	6.50	5.6	670	237	4.5	0.38	583±6	418±55	✓

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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?
	SDA19-1	22:52	6.56	5.7	2100	100	10	0.27	336 ^{±37}	3548 ^{±7}	✓
	e2-1	23:12	6.38	5.5	3200	212	4.9	0.08	2710 ^{±60}	2694 ^{±35}	✓
	e1-1	23:31	6.79	5.5	2400	139	36	0.87	2822 ^{±36}	2670 ^{±11}	✓
	e9-1	23:50	6.26	5.8	1500	91	101	3.71	2781 ^{±33}	2568 ^{±29}	✓
	e12-1	00:09	6.33	5.5	2200	153	1.7	0.04	2668 ^{±24}	2665 ^{±8}	✓
	c23-5	00:27	6.54	5.5	670	240	5.4	0.44	575 ^{±6}	436 ^{±63}	✓
	e69-1	00:46	6.34	5.5	290	19	0.5	0.10	2644 ^{±90}	2643 ^{±28}	✓
	e21-1	01:06	6.32	6.0	6300	417	9.5	0.09	2572 ^{±15}	2619 ^{±6}	✓
	e21-2	1:23	6.47	5.7	6000	404	34.1	0.32	2565 ^{±14}	2592 ^{±6}	✓
	e22-1	1:42	6.34	5.5	1400	97	5.5	0.22	2591 ^{±32}	2585 ^{±13}	✓
	c22-1	2:01	6.45	5.5	650	243	0.6	0.05	568 ^{±6}	591 ^{±36}	✓
	SDA22-1	2:20	6.63	5.8	3700	192	18.6	0.30	3015 ^{±24}	3399 ^{±6}	✓
	e26-1	2:39	5.41	5.0	1300	123	19.9	0.60	2609 ^{±29}	2645 ^{±18}	✓
	e31-1	2:58	6.55	5.4	1400	89	2.2	0.09	2733 ^{±41}	2706 ^{±11}	✓
	e36-1	3:17	6.52	5.6	2300	144	6.2	0.15	2736 ^{±31}	2681 ^{±12}	✓
	e47-1	3:37	6.52	5.4	1000	68	0.6	0.03	2764 ^{±39}	2750 ^{±13}	✓
	c22-2	3:56	6.69	5.4	680	242	2.8	0.23	573 ^{±6}	625 ^{±54}	✓
	e49-1	4:15	6.36	5.8	1100	69	4.8	0.25	2660 ^{±36}	2674 ^{±16}	✓
	e63-1	4:35	6.43	5.6	940	63.8	1.4	0.08	2452 ^{±37}	2615 ^{±17}	✓
	e63-2	4:54	6.56	5.3	570	40.1	0.8	0.08	2585 ^{±49}	2672 ^{±21}	✓
	c22-3	5:13	6.38	5.7	670	241	2.7	0.22	573 ^{±6}	473 ^{±54}	✓
	e3-1	5:33	6.28	5.6	2400	159	8.1	0.18	2703 ^{±24}	2657 ^{±10}	✓
	e4-1	5:51	6.92	5.0	1100	69	23.6	1.17	2798 ^{±44}	2619 ^{±23}	✓
	e8-1	6:10	6.35	5.7	5500	326	360.2	3.59	2846 ^{±19}	2535 ^{±14}	✓
	e16-1	6:29	6.83	5.4	8000	495	24.5	0.18	2730 ^{±17}	2611 ^{±5}	✓

