

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 9/10/95 UWA Mount No. 95-27 Whose sample? POLLARD Operator(s) MCN

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	10	30	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.158 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 2.6 nA PESABM = 49 pA actual resolution = 5100
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 53

Comments: NB: Δ 196-204 = low !! ⇒ This was double checked !!

* NB: 1° ≈ 3.1 nA → reduced via Matching lens + reduced Koller lens voltage.
Reanalysis in old hole! Sample A = Z
= NA 11

use 4 MINUTES +
120 μ APERTURE
RASTER

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
---------------------	---------------	-----------------	------	---------	---------	-------	-----------	--------------------	------------------------------	-------

* →	std 3-2.2	10:54	5.10	25.6K	1408	220	7.8	.37	507 ± 1	614 ± 20	208
	std 3-3	11:23	5.84	21.3K	1831	220	0.4	.12	571 ± 1	576 ± 17	208
- -	UNK A.1-1	11:52	5.79	23.1K	6.6K	252	1.3	.03	1581 ± 2	1493 ± 6	204 RIM
- -	UNK A.2-1	12:20	5.48	26.3K	7.0K	341	4.3	.09	1348 ± 2	1510 ± 7	204 RIM
- -	std 3A-6	12:45	5.65	24.5K	2.1K	237	1.6	.03	595 ± 1	527 ± 16	208
- -	UNK A.3-1	13:08	5.77	24.5K	4.8K	178	-0.5	-	1562 ± 3	1543 ± 7	NONE CORE?
- -	A.4-1	13:30	5.72	24.1K	4.3K	167	2.1	.08	1549 ± 3	1533 ± 9	204 - -
- -	A.5-1	13:52	5.72	28.3K	6.5K	291	18.9	.51	1179 ± 1	1517 ± 10	204 RIM
- -	A.6-1	14:15	5.76	23.7K	9.1K	348	1.0	.02	1561 ± 2	1538 ± 5	204 RIM
- -	std 3A-7	14:39	5.59	24.3K	2071	241	0.8	.02	605 ± 1	512 ± 16	208
- -	A.7-1	15:01	5.70	24.1K	6.9K	269	1.0	.02	1571 ± 2	1519 ± 7	204 RIM

RASTER (mins)
3
4
4
4
4
3
3
4
4
#

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
Rejection all	A. 7-2	15:23	5.70	24.7K	8.9K	344	-0.3	—	1556 ± 2	1531 ± 5	NONE
- -	A. 8-1	15:47	5.71	24.7K	9.1K	342	0.9	.02	1580 ± 2	1537 ± 5	204
- -	A. 9-1	16:12	6.07	25.7K	8.7K	305	101.1	2.25	1320 ± 2	1560 ± 15	204
- -	A. 10-1	16:35	5.67	25.1K	8.1K	325	12.8	.24	1490 ± 2	1517 ± 7	204
- -	std 2-2	17:18	5.72	23.5K	2016	233	3.3	.05	577 ± 1	559 ± 16	208
- -	A. 11-1	17:41	6.11	24.9K	14.9K	508	3.9	.05	1382 ± 1	1477 ± 5	204
- -	A. 12-1	18:03	5.89	24.2K	6.9K	784	1.7	.05	520 ± 1	659 ± 9	204
?? - -	A. 13-1	18:25	5.82	24.3K	6.5K	236	-0.1	—	1557 ± 2	1531 ± 6	204
- -	A. 14-1	18:46	5.97	24.4K	4.1K	151	2.8	.12	1400 ± 2	1487 ± 10	204
- -	A. 15-1	19:16	5.83	24.0K	10.9K	400	2.5	.04	1546 ± 2	1523 ± 5	204
- -	std 2-3	19:40	5.49	26.5K	2003	233	3.9	.26	593 ± 1	606 ± 16	208
- -	A. 16-1	20:03	5.68	24.2K	8.3K	325	0.5	.01	1567 ± 2	1537 ± 6	204
- -	A. 17-1	20:25	5.72	24.4K	8.0K	304	3.4	.06	1576 ± 2	1520 ± 6	204
- -	A. 18-1	20:47	5.54	24.9K	2.3K	106	4.1	.25	1416 ± 3	1529 ± 15	204
- -	A. 19-1	21:11	5.29	27.4	4.0K	219	8.5	.27	1322 ± 2	1500 ± 11	204
- -	A. 20-1	21:33	6.51	27.0	9.0K	321	23.7	.68	1024 ± 1	1488 ± 10	204
Delete for T60	std 2-4	21:56	5.70	22.6	1976	239	1.3	.03	581 ± 1	589 ± 16	208
Rejection all	A. 21-1	22:22	5.71	24.3K	11.5K	444	12.4	.16	1557 ± 2	1520 ± 6	204
- -	A. 22-1	22:44	5.55	24.0K	9.1K	391	0.8	.01	1575 ± 2	1519 ± 6	204
- -	A. 23-1	23:06	5.68	23.8K	8.0K	320	1.0	.02	1562 ± 2	1524 ± 6	204
- -	A. 24-1	23:28	5.69	24.7K	5.9K	230	1.0	.03	1529 ± 2	1514 ± 7	204
- -	A. 25-1	23:51	5.79	22.6K	10.0K	410	2.1	.03	1509 ± 2	1508 ± 5	204
Delete for T60	std 2-5	00:15	5.66	23.3K	1925	228	2.1	.06	589 ± 1	511 ± 17	208
Rejection all	C. 18-1	00:40	5.61	24.3K	4.1K	173	1.4	.05	1537 ± 3	1536 ± 9	204
- -	C. 19-1	1:01	5.63	23.9K	6.4K	270	10.7	.23	1532 ± 2	1542 ± 8	204

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
Restore all	C. 20-1	1:23	5.82	24.1K	4.8K	177	1.6	.05	1555±3	1520±8	204
- -	C. 21-1	1:45	5.75	23.9K	4.3K	175	5.0	.18	1494±3	1501±11	204
- -	C. 22-1	2:07	5.98	22.8K	10.1K	442	3.5	.06	1284±1	1452±6	204
Delete (not ThO)	std 2-6	2:29	5.68	22.3K	1909	233	0.7	.05	592±1	546±17	208
Restore all	C. 23-1	2:51	5.80	24.1K	7.6K	286	2.2	.05	1536±2	1526±6	204
- -	C. 24-1	3:13	5.91	23.9K	4.1K	150	1.9	.07	1507±3	1526±9	204

END