

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date 25/7/96 UWA Mount No. 96-40 Whose sample? J. Smith Operator(s) J. Smith

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	<u>30/10</u>	10	5	5	2 ✓
Phanerozoic* 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 = <u>32</u> nanosecs						
actual 196-204 =	actual 204-bkg =		expected resolution = >4200						
actual 206-207 =	actual 206-208 =		actual resolution = <u>5595</u>						
Primary =	nA	PESABM =	pA	actual Primary : PESABM (= 50:1) =					
Raster time (mins): <u>3</u>	Raster aperture (microns): <u>100</u>		No. of scans: <u>7</u>						

Comments: Köhler aperture from 100 to 50

Th (ppm)	Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 % (204)	Age ±1σ (Ma) 206/238 (208)	207/206 (204)	Comments outliers
												Calibration
12.2		s/640.1-1	14.27	6.98	9.4	1031	220	2.6	0.22	571	545	No outliers
11.9		s/640.1-2	14.54	7.03	9.9	1131	219	3.9	0.32	583	478	No outliers
18.4		u640A1.1	15.30	7.43	5.1	721	34	0.4	0.02	3179	3098	238#1
11.1		s/640.1-3	15.59	7.62	4.9	651	205	1.7	0.15	578	560	10 decaying No outliers
18.8		u640A2.1	16.31	7.46	4.3	567	33	6.7	0.42	3059	3127	no outliers
20.5		u640A3.1	16.56	7.71	3.4	547	34	4.8	0.26	3232	3123	no outliers
Retune AX		s/640.1-4	17.50	7.12	6.7	830	223	0.7	0.06	602	607	no outliers
12.3		u640A4.1	18.33	7.21	4.8	1325	69	4.0	0.11	—	3083	no outliers
50		u640A5.1	19.02	7.68	5.2	986	41	3.1	0.14	3219	3154	no outliers
22		u640A6.1	19.34	7.73	4.5	1001	47	2.5	0.10	3269	3082	no outliers
17		s/640.1-5	19.59	7.46	4.8	655	208	0.6	0.05	611	616	no outliers

