

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 11/7/98 UWA Mount No.: 98-29 Whose sample?: Madagascar Operator(s): AR

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2	10	10	5	15	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 = 32 nanosecs
 actual 196-204 = 8.167 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5451

Primary = 1.8 nA PESABM = pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 8

Comments: * Following on from mount 98-20
 ① spiky 1° ② 1° dropped during analysis.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr. 208-206	offsets 196-204 206-207
	S1.11-1	23:57	6.27	8.4	1060	220	-ve	-ve	572 538		8.167 1.000 2.000
①	S1.11-2	00:17	6.32	7.6	963	218	0.8	.03	564 608		-11 -
	S1.11-3	00:39	6.32	7.5	920	216	-ve	.05	557 696		-11 -
	D.34-1	1:03	6.17	7.1	2164	227	1.8	.05	1336 1978		-11 -
	D.34-2	1:25	5.98	8.3	1075	178	0.9	.06	830 976		-11 -
	D.34-3	1:48	6.37	7.7	1751	200	1.4	.07	1037 1519		-11 -
	D.35-1	2:12	6.09	8.6	1308	72	0.5	.03	2044 2320 ^{±17}		-11 -
	S1.11-4	2:34	6.19	8.0	982	221	4.9	.42	572 633		-11 -
	D.35-2	2:56	6.31	7.7	1253	70	1.8	.10	2016 2281 ^{±15}		-11 -
	D.36-1	3:21	6.14	7.9	1027	93	0	.12	2273 2561		-11 -
	D.36-2	3:42	6.37	8.71	1146	88	-ve	-ve	2100 2541		-11 -

should be changed to 35!
 Unstable 1°
 Unstable 1°
 1° dropped significantly.

* AGH. I can't stabilize the 1° beam. It continues to be erratic, and has dropped to 1.4 nA.