

**UWA SHRIMP DATA LOG: ZIRCON U-Pb**

Date: 1/5/95      UWA Mount No.: 94-30      Whose sample?: M. SAUVAGE      Operator(s): I.F. C.Y.

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Count time (secs):	2 ✓	10 ✓	10 ✓	10 ✓	40 ✓	10	5 ✓	5 ✓	2 ✓
Delay time (secs):	6 ✓	3 ✓	1 ✓	2 ✓	1	1	3 ✓	2 ✓	2 ✓

expected 196-204 = 8.170 amu ✓      expected 204-bkg = 0.040 amu ✓      Dead-time = 36 nanosecs ✓

actual 196-204 = 8.170      actual 204-bkg = 0.042      expected resolution = >4200

Primary = 1.25 nA      PESABM = 18 pA      actual resolution = 4330

expected Primary : PESABM ≈ 45      actual Primary : PESABM = 69

Comments from Log Book: Raster time = 5 mins due to low I<sub>0</sub>.

Rejection over-ride	Sample/ Std ID	Time	196 cps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	204-corr. 206/238	Age ±1σ (Ma) 207/206	Peak cent. OK?
	<u>sl430-2-1</u>	<u>18:57</u> <del>18:10</del>	5.1K	460	cal.	4.5	0.4	cal.	—	✓
	<u>sl430-2-2</u>	<u>19:23</u> <del>16:35</del>	3.3K	240	300	4.9	0.3	572 ± 1	—	✓
	<u>sl430-2-3</u>	<u>19:50</u> <del>17:00</del>	5.5K	470	269	7.0	0.5	569 ± 1	—	✓
	<u>u430-21-1</u>	<u>20:21</u> <del>17:35</del>	5.9K	455	31.1	5.1	0.4	2960 ± 24	2960 ± 16	X 254(1)
	<u>u430-22-1</u>	<u>20:41</u>	6.1K	379	27.4	-1.2	—	3044 ± 26	2990 ± 14	✓
	<u>sl430-3-1</u>	<u>21:12</u>	7.1K	470	295	1.0	0.06	575 ± 1	560 ± 30	—
	<u>u430-23-1</u>	<u>21:38</u>	5.9K	535	37.8	5.2	0.3	3036 ± 23	2969 ± 14	X 254(1)
	<u>sl430-3-2</u>	<u>22:03</u>	6.8K	492	254	4.2	0.3	562 ± 1	580 ± 30	✓
<i>1<sup>o</sup> sl. unstable</i>	<u>u430-24-1</u>	<u>22:29</u>	6.0K	500	43.0	6.3	0.3	3095 ± 23	2998 ± 16	✓
	<u>u430-25-1</u>	<u>22:55</u>	5.3K	485	34.9	5.8	0.4	2992 ± 23	2951 ± 16	✓
	<u>u430-26-1</u>	<u>23:20</u>	5.6K	347	25.6	2.9	0.2	3027 ± 28	2943 ± 22	✓
<i>1<sup>o</sup> sl. unstable</i>	<u>u43-27-1</u>	<u>23:46</u>	5.6K	325	80.5	10.8	1.0	2519 ± 22	2943 ± 25	✓
	<u>sl30-3-3</u>	<u>00:12</u>	5.7K	463	239	8.9	0.7	567 ± 1	649 ± 31	✓

*Big shift in Zr counts during run.*

\* To UWA 94-17 (see next sheet)