

SHRIMP data acquisition logsheet SHRIMP A or B Mineral =

Date	Sample/Mount(s)	Sample owner	SH operator	Night-runner(s)
3/6/08	08-05	McN	McN	Steve K

Deadtime... 25 ns Kohler aperture... 100 Retard... 6462 volts Resoln... 5237

Primary on steel: O⁻ Bits/nA O₂⁻ Bits/nA

Primary O₂⁻ on: epoxy ... 1.5 nA standard ... 2.1 nA PostESA BM on std ... 45

Raster: Time (mins) ... 2 Aperture ... 120 No. of scans ... 6

Zircon/Badd.	196	204	Bk	206	207	208	238	248	254		
Count time (secs)	2	10	10	10/20	30/10	10	5	5	2		
Delay time (secs)	8	3	12	4	23	1	3	2	2		
Peak centring time (secs)	3	-	-	35	-	-	3	3	2		
Titanite/Perovskite	200	204	Bk	206	207	208	248	254	270		
Count time (secs)	2	10	10	10/20	30/10	10	5	5	7		
Delay time (secs)	8	3	1	4	2	1	4	2	3		
Peak centring time (secs)	3	-	-	4	-	-	2	3	3		
Rutile	192	204	Bk	206	207	208	248	254	270		
Count time (secs)	2	10	10	10/20	30/10	10	5	5	7		
Delay time (secs)	8	3	1	4	2	1	4	2	3		
Peak centring time (secs)	3	-	-	4	-	-	2	3	3		
Monazite	202	203	204	Bk	206	207	208	232	254	264	270
Count time (secs)	2	10	10	10	10/20	30/10	5	5	2	2	2
Delay time (secs)	8	1	1	1	4	2	2	4	3	3	2
Peak centring time (secs)	1	2	-	-	4	-	2	2	2	2	2
Xenotime	194	204	Bk	206	207	208	238	248	254		
Count time (secs)	2	10	10	10/20	30/10	5	5	5	2		
Delay time (secs)	8	3	1	4	2	1	3	2	2		
Peak centring time (secs)	1	-	-	3	-	-	4	3	2		

Mass Offsets

Zircon/Badd.	196-204	204-Bk	204-206	206-207	206-208	
Expected offset	8.170	0.045	2.001/9	1.001/5	2.001/9	
Setup offsets	8.162	0.045	2.012	1.005	2.007	
Titanite/Perovskite	200-204	204-Bk	204-206	206-207	206-208	
Expected offset	4.136	0.045	2.001/9	1.001/5	2.001/9	
Setup offsets						
Rutile	192-204	204-Bk	204-206	206-207	206-208	
Expected offset	12.100	0.045	2.001/9	1.001/5	2.001/9	
Setup offsets						
Monazite	202-203	203-204	204-Bk	204-206	206-207	206-208
Expected offset	1.000	1.110	0.045	2.001/9	1.001/5	2.001/9
Setup offsets						
Xenotime	194-204	204-Bk	204-206	206-207	206-208	
Expected offset	10.143	0.045	2.001/9	1.001/5	2.001/9	
Setup offsets						

Date

Mount

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Filename	Time	UO/U 254/238	196 Kcps	206 -cps-	f206 (%)	U ppm	Sensit- ivity	Age/Ma 206/238	Age/Ma 207/206	Check offsets
Alternatives		UO2/UO 270/254	Reference Kcps			254/270 Kcps		Pb/U ratio	207/206	
A-9-1							High	Pb204		
A-10-1							High	Pb204		
A-10-1	20:03	6.34	14	13K	1.07	1147.5	24.8	1672±6	2197±6	✓ -6.9
BR-2-5	20:23	6.11	14	2.8K	0.036	878	23.9	544±2.8	538±1.9	✓ -5.0
BR-2-6	20:44	6.15	13	2.7K	0.001	105	22.5	548±inf	573±N/A	✓ -5.0
A-12-1	21:03	6.74	13	6.1K	0.022	368	2091.5	2547±8	2635±5	✓ -5.0
A-13-1							High	Pb204		
A-14-1	21:28	6.00	14	16K	1.89	1390	12739	1815±11	2307±11	✓ -13.4
A-15-1	21:50	5.96	13	3.5K	8.41	238	2971	2395±24	2594±14	✓ -4.2
A-16-1	22:11	6.02	13	12K	1.47	1193	6023	1670±9	2226±	✓ -12.4
A-17-1							High	Pb204		
A-18-1							High	Pb204		
BR-2-7	22:51	5.87	14	2.5K	0.03	851	417	545±2.6	622±16.8	✓ -4.6
BR-2-8	23:10	6.11	13	2.7K	0.027	905.4	2003	548±3	570±17	✓ -5.2
A-19-1	23:30	6.12	14	5.5K	3.98	340	13057	2384.7±16	2648±8.2	✓ -11
A-20-1	23:50	6.19	13	11K	0.014	700	3064	2550±11	2643±6	✓ -6.1

