GEOCHRONOMETRIA
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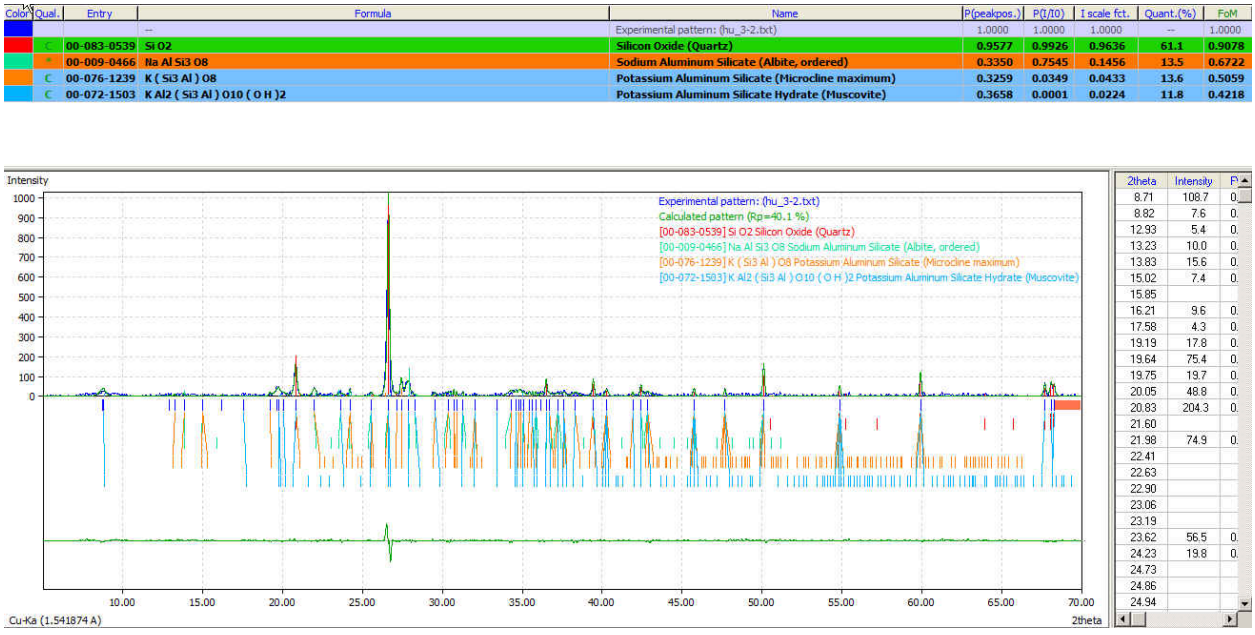
SUPPLEMENTARY MATERIAL



Color	Qual.	Entry	Formula	Name	P(peakpos.)	P(I/I0)	I scale fct.	Quant.(%)	FoM
		--		Experimental pattern: (hu_3-2.txt)	1.0000	1.0000	1.0000	--	1.0000
	C	00-083-0539	Si O2	Silicon Oxide (Quartz)	0.9577	0.9926	0.9636	61.1	0.9078
	*	00-009-0466	Na Al Si3 O8	Sodium Aluminum Silicate (Albite, ordered)	0.3350	0.7545	0.1456	13.5	0.6722
	C	00-076-1239	K (Si3 Al) O8	Potassium Aluminum Silicate (Microcline maximum)	0.3259	0.0349	0.0433	13.6	0.5059
	C	00-072-1503	K Al2 (Si3 Al) O10 (O H)2	Potassium Aluminum Silicate Hydrate (Muscovite)	0.3658	0.0001	0.0224	11.8	0.4218

2theta	Intensity	P
8.71	108.7	0.
8.82	7.6	0.
12.93	5.4	0.
13.23	10.0	0.
13.83	15.6	0.
15.02	7.4	0.
15.85		
16.21	9.6	0.
17.58	4.3	0.
19.19	17.8	0.
19.64	75.4	0.
19.75	19.7	0.
20.05	48.8	0.
20.83	204.3	0.
21.60		
21.98	74.9	0.
22.41		
22.63		
22.90		
23.06		
23.19		
23.62	56.5	0.
24.23	19.8	0.
24.73		
24.86		
24.94		

Fig. i. *XRD results of polymineral samples Hu3, Hu4-1, Hu5-1.*

Corresponding author: S. Solongo
e-mail: saran@ipt.ac.mn

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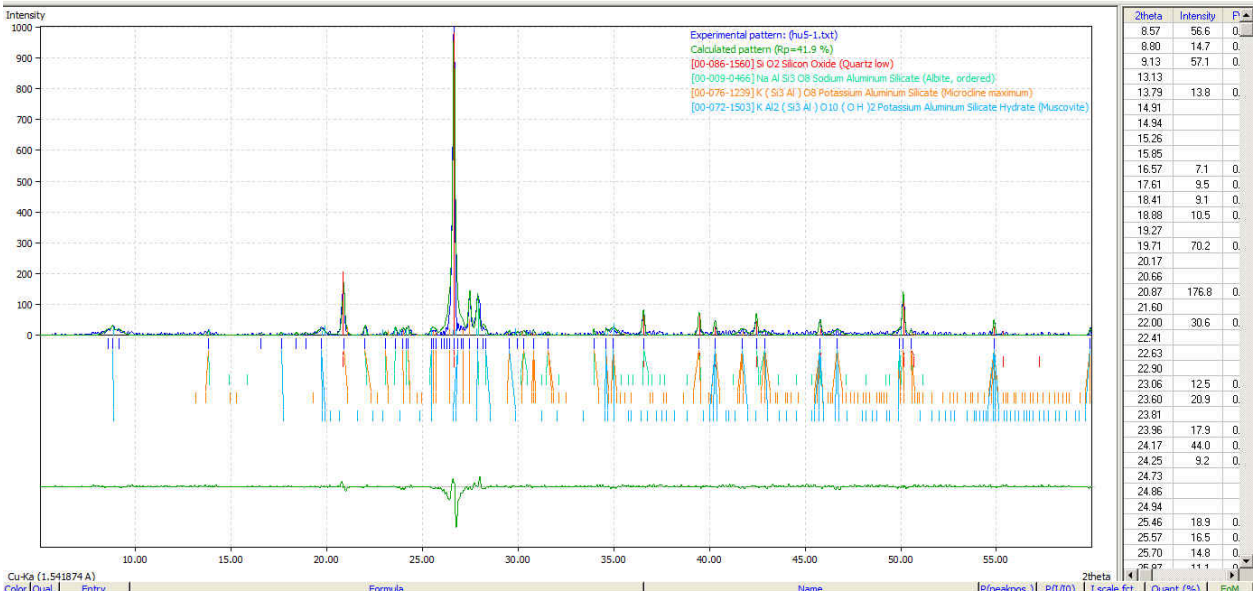
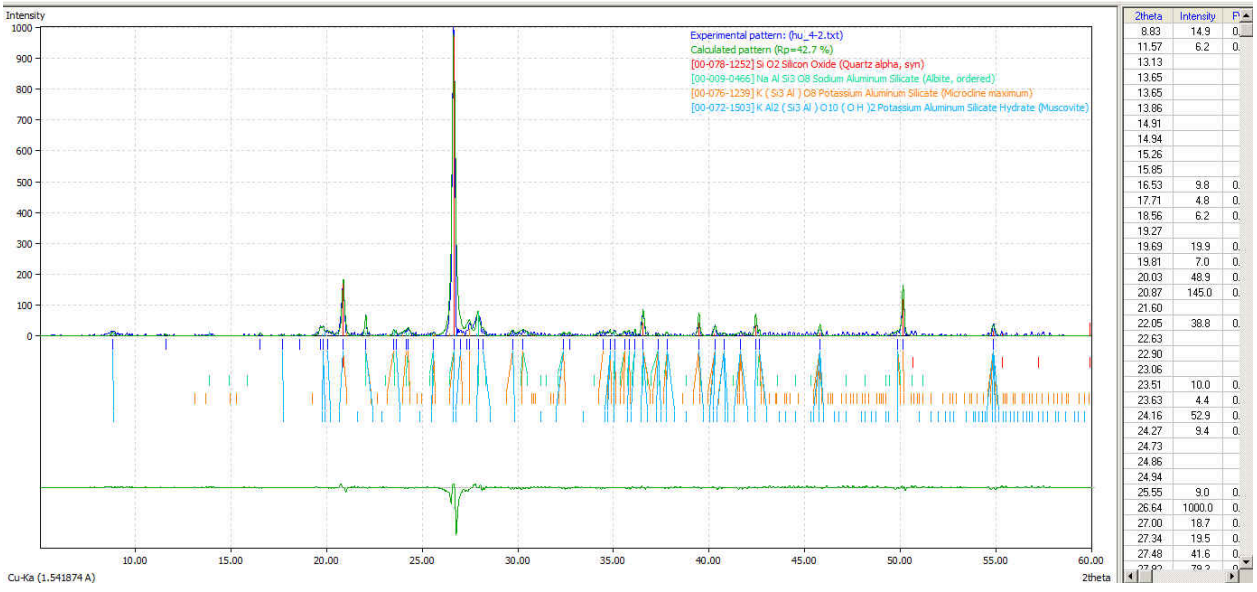
Color	Qual.	Entry	Formula	Name	P(peakpos.)	P(I/I0)	I scale fct.	Quant.(%)	FoM
		--		Experimental pattern: (hu5-1.txt)	1.0000	1.0000	1.0000	--	1.0000
	C	00-086-1560	Si O2	Silicon Oxide (Quartz low)	0.9145	0.9897	0.9853	57.1	0.8855
	*	00-009-0466	Na Al Si3 O8	Sodium Aluminum Silicate (Albite, ordered)	0.6125	0.8884	0.1064	8.9	0.7197
	C	00-076-1239	K (Si3 Al) O8	Potassium Aluminum Silicate (Microcline maximum)	0.3239	0.1387	0.0554	15.7	0.5267
	C	00-072-1503	K Al2 (Si3 Al) O10 (O H)2	Potassium Aluminum Silicate Hydrate (Muscovite)	0.3695	0.0067	0.0387	18.4	0.4361



2theta	Intensity	P
8.57	56.6	0.
8.80	14.7	0.
9.13	57.1	0.
13.13		
13.79	13.8	0.
14.91		
14.94		
15.26		
15.85		
16.57	7.1	0.
17.61	9.5	0.
18.41	9.1	0.
18.88	10.5	0.
19.27		
19.71	70.2	0.
20.17		
20.66		
20.87	176.8	0.
21.60		
22.00	30.6	0.
22.41		
22.63		
22.90		
23.06	12.5	0.
23.60	20.9	0.
23.81		
23.96	17.9	0.
24.17	44.0	0.
24.25	9.2	0.
24.73		
24.86		
24.94		
25.46	18.9	0.
25.57	16.5	0.
25.70	14.8	0.

Color	Qual.	Entry	Formula	Name	P(peakpos.)	P(I/I0)	I scale fct.	Quant.(%)	FoM
		--		Experimental pattern: (hu_4-2.txt)	1.0000	1.0000	1.0000	--	1.0000
	C	00-078-1252	Si O2	Silicon Oxide (Quartz alpha, syn)	0.9789	0.9641	0.9721	71.5	0.8660
	*	00-009-0466	Na Al Si3 O8	Sodium Aluminum Silicate (Albite, ordered)	0.4577	0.7616	0.0799	9.0	0.6480
	C	00-076-1239	K (Si3 Al) O8	Potassium Aluminum Silicate (Microcline maximum)	0.2539	0.0442	0.0251	9.6	0.4581
	C	00-072-1503	K Al2 (Si3 Al) O10 (O H)2	Potassium Aluminum Silicate Hydrate (Muscovite)	0.2858	0.0044	0.0154	9.9	0.4243



2theta	Intensity	P
8.83	14.9	0.
11.57	6.2	0.
13.13		
13.65		
13.65		
13.86		
14.91		
14.94		
15.26		
15.85		
16.53	9.8	0.
17.71	4.8	0.
18.56	6.2	0.
19.27		
19.69	19.9	0.
19.81	7.0	0.
20.03	48.9	0.
20.87	145.0	0.
21.60		
22.05	38.8	0.
22.63		
22.90		
23.06		
23.51	10.0	0.
23.63	4.4	0.
24.16	52.9	0.
24.27	9.4	0.
24.73		
24.86		
24.94		
25.55	9.0	0.
26.64	1000.0	0.
27.00	18.7	0.
27.34	19.5	0.
27.48	41.6	0.

Fig. i. *Continuation.*

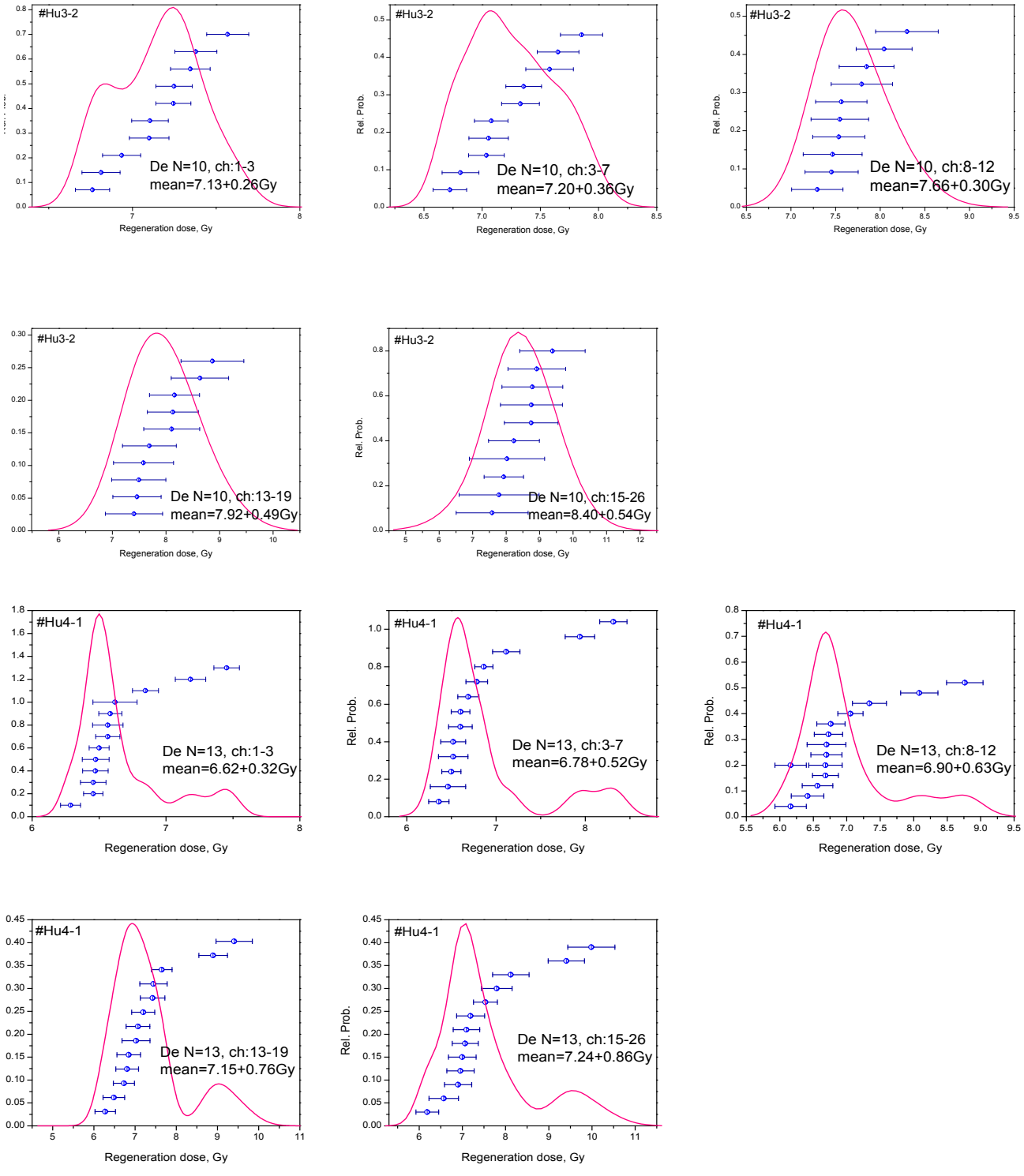


Fig. ii. *Probability plots of sample Hu3-2, Hu4-1for integrating time intervals as indicated.*