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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



APPENDICES

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



APPENDICES I
STONE TOOL ANALYSIS

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



Figure 1 Classification of stone tools each levels from Area2 S21W10SEQ1



Figure 2 Classification of stone tools each level from Area 3 S19W9SWQ1



Figure 3 Classification of stone tools each levels from Area 3 S20W9NWQ3

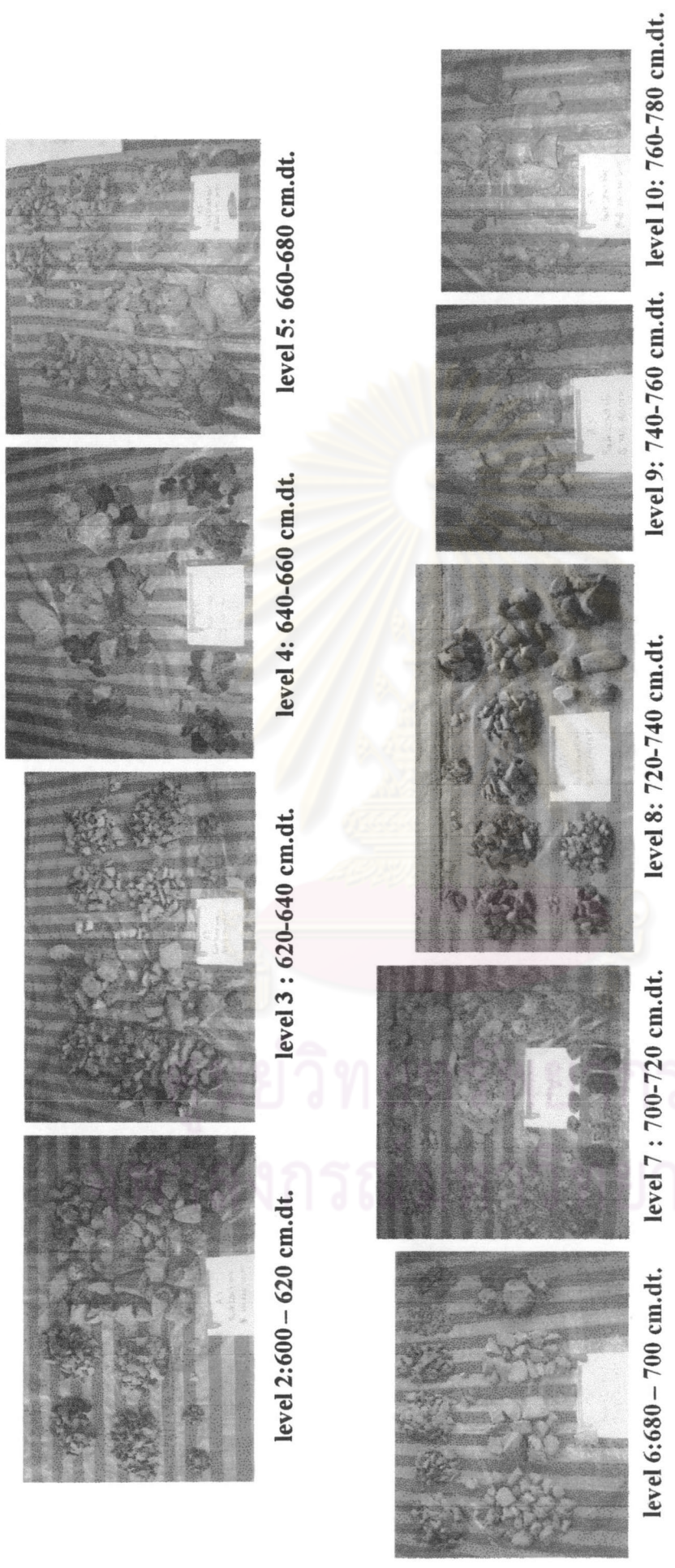


Figure 4 Classification of stone tools each levels from Area 3 S20W9Bauk N/W1

Table 1 Analysis of Stone tools from area 1 (Continued)

Level	Flake																	Hammer	
	UF																		
	PriUf					SecUf					TerUf					RF			
SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	AND			
S-150 cmdt.																			
1:150-160 cmdt.																			
2:160-170 cmdt.							1				1						2	1	1
3:170-180 cmdt.					3						2							3	2
4:180-190 cmdt.	1	2								3							2	3	1
5:190-200 cmdt.		1					4			1							3	9	3
6:200-210 cmdt.	3	1					5			9							4	9	2
7:210-220 cmdt.	1						2			3							6	2	
8:220-230 cmdt.	2	1			1		1			1							1	3	3
9:230-240 cmdt.	3		1		1		2										3		6
10:240-250 cmdt.	1			1													1	1	1
11:250-260 cmdt.		1			2		2			1							3		3
12:260-270 cmdt.	1	1					1			6							1	1	2
13:270-280 cmdt.	1						5			1		2					1		1
14:280-290 cmdt.	1	1					5			4							5	4	3
15:290-300 cmdt.	1	2					3		1	1							6	2	6
16:300-310 cmdt.	3						4			1							17		13
17:310-320 cmdt.	1						5			1							6	2	7
18:320-330 cmdt.																	4	2	7
19:330-340 cmdt.	2		1				3			1							4		2
20:340-350 cmdt.							8										5		4
21:350-360 cmdt.	9	2			1		2										1		1
22:360-370 cmdt.	5	1	1				14		5	1							3		3
23:370-380 cmdt.	18	5	2		2		1										6		1
24:380-390 cmdt.	2	3					2												3
25:390-400 cmdt.	8	6					1										2		1
26:400-410 cmdt.	9	5			1		9		2								3	4	
27:410-420 cmdt.	37	2	1				18		3	5							107	7	8
28:420-430 cmdt.	8	1			1		1		3	2							3	2	2
29:430-440 cmdt.	5	2	4	1			8		4								6	13	
30:440-450 cmdt.	2	2					2		13								11	8	
31:450-460 cmdt.	8						2										25		1
32:460-470 cmdt.	1						2										4		3

Table 2 Analysis of Stone tools from area 2 S21W10 SEQ1

Level	Core																											
	UC						WC						Bc						WF									
	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	
3-5:310-340 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6:340-350 cmdt.	0	0	0	0	0	0	0	4	5	1	0	0	0	0	0	0	0	0	0	0	0	24	7	0	0	0	0	0
6-9:350-380 cmdt.	2	5	0	0	1	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	15	17	2	0	0	0	0
9-10:380-390 cmdt.	3	0	0	0	0	0	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	13	0	0	0	0	0
10-11:390-400 cmdt.	5	3	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	23	7	0	0	0	0	0
12-14:400-420 cmdt.	1	3	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	64	20	0	0	0	0	0
15-19:430-480 cmdt.	6	4	0	0	0	2	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	41	29	0	0	0	0	0
20-21:480-500 cmdt.	6	3	0	0	0	1	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	30	18	0	0	0	0	0
22:500-520 cmdt.	5	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25	6	1	0	0	0	0
23:520-540 cmdt.	6	3	0	0	0	0	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	1	0	0	0	0
24:540-560 cmdt.	5	3	0	0	0	0	15	6	0	0	0	0	0	0	0	0	0	0	0	0	0	63	21	0	0	0	0	0
25:560-580 cmdt.	5	1	0	0	0	0	4	13	0	0	0	0	0	0	0	0	0	0	0	0	0	22	7	0	0	0	0	0
26:580-600 cmdt.	8	0	0	0	0	0	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	30	12	0	0	0	0	0
27:600-620 cmdt.	2	0	0	0	0	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	13	7	0	0	0	0	0
28:620-640 cmdt.	2	1	1	0	0	0	19	9	0	0	0	0	0	0	0	0	0	0	0	0	0	34	9	1	0	0	0	0
29:640-660 cmdt.	2	1	1	0	0	0	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	43	10	2	0	0	0	0
30:660-680 cmdt.	0	0	0	0	0	0	24	12	0	0	0	0	0	0	0	0	0	0	0	0	0	92	35	6	0	0	0	0
31:680-700 cmdt.	1	0	0	0	0	0	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	39	19	0	0	0	0	0
32-34:700-760 cmdt.	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	26	6	0	0	0	0	0

Table 2 Analysis of Stone tools from area 2 S21W10 SEQ1 (Continue)

Level	WF												UF																															
	SecWF						TerWF						PriUF						SecUF						TerUF																			
	SS	Qiz	Mid	Qz	And	RhyT	Gra	Gra	SS	Qiz	Mid	Qz	And	RhyT	Gra	Gra	SS	Qiz	Mid	Qz	And	RhyT	Gra	Gra	SS	Qiz	Mid	Qz	And	RhyT	Gra	Gra	SS	Qiz	Mid	Qz	And	RhyT	Gra	Gra	SS	Qiz	Mid	Qz
3-5:310-340 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6:340-350 cmdt.	69	41	0	0	0	1	0	0	46	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-9:350-380 cmdt.	22	26	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-10:380-390 cmdt.	55	28	4	0	0	0	0	0	32	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11:390-400 cmdt.	21	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12-14:400-420 cmdt.	31	25	0	0	0	0	0	0	37	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-16:430-480 cmdt.	70	43	3	0	0	0	0	0	71	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-21:460-500 cmdt.	29	25	0	0	0	0	0	0	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:500-520 cmdt.	44	6	2	0	0	0	0	0	23	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:520-540 cmdt.	31	5	3	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:540-560 cmdt.	99	21	5	0	0	0	0	0	24	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25:560-580 cmdt.	16	11	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26:580-600 cmdt.	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27:600-620 cmdt.	18	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28:620-640 cmdt.	56	32	3	0	0	0	0	0	22	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:640-660 cmdt.	82	58	8	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30:660-680 cmdt.	221	64	5	0	0	0	0	0	96	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31:680-700 cmdt.	26	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32-34:700-760 cmdt.	33	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 Analysis of Stone tools from area 2 S21W10 NEQ1

Level	Core												WF												SecWF											
	UC				WC				Bc				PRWF				WF				SecWF															
	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra								
3-5:310-340 cmdt.	0	0	0	0	0	0	5	12	0	0	0	0	0	0	10	4	0	0	0	0	0	0	0	0	0	0	0	0								
5-6:340-350 cmdt.	0	0	0	0	0	0	4	11	0	0	0	0	0	0	22	6	0	0	0	0	0	0	72	43	0	0	0	0								
6-9:350-380 cmdt.	4	6	0	0	0	0	1	14	0	0	0	0	0	0	17	15	2	0	0	0	0	25	25	0	0	0	0	0								
9-10:380-390 cmdt.	3	2	0	0	0	0	6	12	0	0	0	0	0	0	21	14	0	0	0	0	0	49	24	4	0	0	0	0								
10-11:390-400 cmdt.	6	2	0	0	0	0	3	13	0	0	0	0	0	0	20	9	0	0	0	0	0	29	22	0	0	0	0	0								
12-14:400-420 cmdt.	2	3	0	0	0	0	2	12	0	0	0	0	0	0	56	22	0	0	0	0	0	29	28	0	0	0	0	0								
16-17:440-460 cmdt.	3	0	0	0	0	0	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
18-20:460-480 cmdt.	3	0	0	0	0	0	6	22	2	0	0	0	0	0	54	8	2	0	0	0	0	84	11	0	0	0	0	0								
21:490-500 cmdt.	2	0	0	0	0	0	1	3	1	0	0	0	0	0	59	4	0	0	0	0	0	68	9	0	0	0	0	0								
22:500-520 cmdt.	1	1	0	0	0	0	8	5	0	0	0	0	0	0	38	6	0	0	0	0	0	54	10	1	0	0	1	0								
23:520-540 cmdt.	5	0	0	1	0	1	19	12	0	0	0	0	0	0	61	5	0	0	0	0	0	77	15	1	1	0	0	0								
24:540-560 cmdt.	1	0	0	0	0	0	37	15	0	0	0	0	0	1	12	10	0	0	0	0	0	2	7	0	0	0	0	0								
25:560-580 cmdt.	4	0	0	0	0	0	14	11	0	0	0	0	0	0	27	10	0	0	0	0	0	18	14	0	0	0	0	0								
26:580-600 cmdt.	0	0	0	0	0	0	3	2	0	0	0	0	0	0	33	14	0	0	0	0	0	15	13	0	0	0	0	0								
27:600-620 cmdt.	11	0	0	1	0	1	10	10	0	0	0	0	0	2	55	23	11	1	0	0	0	98	7	0	0	0	0	0								
28:620-640 cmdt.	21	6	0	0	1	1	47	17	0	0	0	0	0	0	146	22	3	1	0	0	0	146	19	8	0	0	0	0								
29:640-660 cmdt.	2	0	0	0	1	0	24	14	0	0	0	0	0	0	65	12	0	1	0	0	0	69	9	0	0	0	0	0								
30:660-680 cmdt.	5	1	2	0	0	0	12	13	0	0	0	0	0	0	70	13	0	0	0	0	0	48	15	2	0	0	0	0								
31:680-700 cmdt.	3	1	0	0	0	0	7	10	0	1	0	0	0	0	34	6	0	0	0	0	0	73	21	0	0	0	0	0								
32:700-720 cmdt.	3	0	0	0	0	0	16	19	0	0	0	0	0	1	33	4	0	0	0	0	0	22	12	0	0	0	0	0								
33:720-740 cmdt.	0	0	0	0	0	0	11	14	0	2	0	0	0	0	48	7	0	0	0	0	0	59	17	0	0	0	0	0								
34:740-760 cmdt.	0	0	0	0	0	0	3	4	0	0	0	0	0	0	25	2	0	0	0	0	0	3	1	0	1	0	0	0								

Table 3 Analysis of Stone tools from area 2 S21W10 NEQ1 (Continue)

Level	Flake																												Hammer
	WF														UF														
	TerWF														SecUF														
	SS	Qz	Md	Qz	And	RhyT	Gra	SS	Qz	Md	Qz	And	RhyT	Gra	SS	Qz	Md	Qz	And	RhyT	Gra	SS	Qz	Md	Qz	And	RhyT	Gra	
3-5:310-340 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-6:340-350 cmdt.	48	10	0	0	0	0	10	5	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	
6-8:350-380 cmdt.	21	4	0	0	0	0	3	7	0	0	0	0	0	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	
9-10:380-390 cmdt.	30	8	0	0	0	0	1	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
10-11:390-400 cmdt.	25	4	0	0	0	0	2	2	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
12-14:400-420 cmdt.	35	2	0	0	0	0	7	5	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	
16-17:440-460 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18-20:460-480 cmdt.	42	11	6	0	0	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	3	0	0	0	0	
21-490-500 cmdt.	42	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:500-520 cmdt.	30	2	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	
23:520-540 cmdt.	51	24	0	0	0	0	4	2	0	0	0	0	0	0	5	2	0	0	0	0	0	1	2	0	0	0	0	0	
24:540-560 cmdt.	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25:560-580 cmdt.	7	0	0	0	0	0	5	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	1	0	0	0	0	
26:580-600 cmdt.	2	0	0	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	
27:590-620 cmdt.	32	7	0	0	0	0	3	1	0	0	0	0	0	0	10	0	0	0	0	0	0	1	0	0	0	0	0	0	
28:620-640 cmdt.	56	18	0	0	0	0	8	3	0	0	0	0	0	0	10	4	0	0	0	0	0	0	0	0	0	0	0	0	
29:640-660 cmdt.	3	6	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
30:660-680 cmdt.	0	3	0	0	0	0	2	3	0	0	0	0	0	0	5	1	0	0	0	0	0	1	1	0	0	0	0	0	
31:680-700 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32:700-720 cmdt.	3	1	0	0	0	0	3	1	0	0	0	0	0	0	2	4	0	0	0	0	0	2	1	0	0	0	0	0	
33:720-740 cmdt.	6	7	0	0	0	0	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	
34:740-760 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 4 Analysis of Stone tools from area 2 S21W10 SEQ3 (Continue)

Level	Fiske																RF			Ham
	WF						UF						TerUF	SS	QTZ	AND				
	TerWF						SecUF													
	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And					RhyT	Gra		
SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	AND				
2-3:300-320 cmdt.	4	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	
4-5:320-340 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3-9:310-380 cmdt.	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1
6-8:340-370 cmdt.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10-11:380-400 cmdt.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
12:400-410 cmdt.	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12-16:400-450 cmdt.	45	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14-16:420-450 cmdt.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17:450-460 cmdt.	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18:460-470 cmdt.	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19:470-480 cmdt.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:480-490 cmdt.	35	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:490-500 cmdt.	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:500-520 cmdt.	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:520-540 cmdt.	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24:540-560 cmdt.	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25:560-580 cmdt.	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26:580-600 cmdt.	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27:600-620 cmdt.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28:620-640 cmdt.	46	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29:640-660 cmdt.	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30:660-680 cmdt.	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31:680-700 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32:700-720 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33:720-740 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34:740-760 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 7 Analysis of Stone tools from area 3 S20W9 NWQ3


Level	Core												Flake																											
	UC						WC						Bc						WF						UF															
	SS	Qtz	Md	Qz	Gra		SS	Qtz	Md	RhyT		SS	Qtz	Md	Qz	Gra		SS	Qtz	Md	RhyT		SS	Qtz	Md	Qz	Gra		SS	Qtz	Md	RhyT		SS	Qtz	Md	Qz	Gra		
S-440 cmdt.	0	0	0	0	0		2	0	0	0		1	1	0	0	0		0	0	0	0		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
440-450 cmdt.	0	0	0	0	0		3	0	0	0		1	0	0	0	0		0	0	0	0		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
450-460 cmdt.	0	0	0	1	0		17	11	2	0		18	14	0	0	0		0	0	0	0		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
460-480 cmdt.	0	0	0	0	0		15	4	0	0		6	4	0	0	0		0	0	0	0		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
480-500 cmdt.	0	0	0	0	0		0	0	0	0		9	7	3	0	0		0	0	0	4		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
500-520 cmdt.	6	0	0	0	0		0	0	0	0		5	7	1	0	0		0	0	0	0		0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
520-540 cmdt.	2	0	0	0	0		21	2	0	0		4	5	2	0	0		0	0	0	1		1	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
540-560 cmdt.	3	3	2	0	0		13	5	0	0		32	13	0	0	0		0	0	0	16		16	10	0	0	0	0		0	0	0	0		0	0	0	0	0	
560-580 cmdt.	0	6	0	0	0		0	44	9	0		201	130	22	0	0		0	0	0	40		40	39	0	0	0	11		4	0	0	14		3	0	0	0	0	
580-600 cmdt.	11	1	1	0	0		16	16	1	0		69	11	11	3	0		0	0	0	86		86	57	20	3	5	5		5	0	1	11		5	0	0	0	0	
10:600-620 cmdt.	14	2	1	0	0		15	10	2	0		47	15	12	4	0		0	0	0	58		58	46	12	2	7		3	0	0	12		4	0	0	0	0		
11:620-640 cmdt.	12	3	1	1	0		17	5	3	1		43	22	11	7	0		0	0	0	56		56	15	9	0	9		2	1	0	16		7	1	0	0	0		
12:640-660 cmdt.	6	1	1	0	1		4	3	0	0		10	4	3	0	0		0	0	0	31		31	1	0	0	0		0	0	1	1		1	0	0	0	0		
13:660-680 cmdt.	3	2	0	0	1		20	14	0	0		14	16	5	0	1		0	0	0	58		58	13	11	0	3		1	0	0	0		0	0	0	0	0		
14:680-700 cmdt.	10	10	0	0	0		18	29	0	0		98	38	8	0	0		0	0	0	14		14	3	4	0	11		8	0	0	8		4	4	3	6	1		
15:700-720 cmdt.	9	1	0	0	0		14	4	0	0		21	9	4	0	0		0	0	0	12		12	2	3	0	4		2	0	2	3		2	0	0	0	0		
16:720-740 cmdt.	9	1	1	0	0		14	14	4	0		35	40	0	0	0		0	0	0	10		10	14	0	0	5		1	0	0	0		0	0	0	0	0		
17:740-760 cmdt.	2	0	1	0	0		14	11	2	0		13	5	3	0	1		0	0	0	13		13	5	3	0	0		0	0	0	0		0	0	0	0	0		

Table 8 Analysis of Stone tools from area 3 S19W9 SWQ1

Level	Core																													
	UC						WC						Bc						WF											
	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra		
S-580 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	11	0	0	0	0
1:580-600 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	5	5	0	0	0
2:600-620 cmdt.	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	58	25	0	0	0	0	0	0	0	0	74	51	3	1	0
3:620-640 cmdt.	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	50	32	0	0	0	0	0	0	0	0	82	58	1	5	0
4:640-660 cmdt.	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	36	10	0	0	0	0	0	0	0	0	23	16	2	0	0
5:660-680 cmdt.	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	59	24	0	2	0	0	0	0	0	0	78	38	5	0	0
6:680-700 cmdt.	21	0	1	0	0	1	0	0	0	3	0	0	0	0	0	58	22	2	0	0	1	0	0	0	0	64	28	0	1	0
7:700-720 cmdt.	6	3	1	2	0	0	0	0	0	0	0	0	0	0	0	88	27	0	0	0	0	0	0	0	0	93	55	4	0	0
8:720-740 cmdt.	7	1	0	0	0	1	0	0	0	0	0	0	0	0	0	95	38	0	0	0	0	0	0	0	0	101	49	0	0	0
9:740-760 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	5	0	0	0	0	0	0	0	0	13	5	0	0	0
10:760-780 cmdt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0

Table 8 Analysis of Stone tools from area 3 S19W9 SWQ1 (Continue)

Level	Flake																																	
	WF												UF																					
	SecWf						TerWf						PriUf						SecUf						TerUf									
	SS	Qtz	Md	Qz	And	RhyT	Gra	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	Gra	RhyT	Gra	SS	Qtz	Md	Qz	And	RhyT	
S-580 cmdt.	12	0	0	2	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:580-600 cmdt.	11	3	1	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:600-620 cmdt.	107	55	1	0	0	0	0	0	0	24	21	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
5:620-640 cmdt.	98	59	2	0	0	0	0	0	0	22	15	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:640-660 cmdt.	28	21	1	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:660-680 cmdt.	106	41	0	3	0	0	0	0	0	57	16	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:680-700 cmdt.	85	25	0	0	0	0	0	0	0	55	19	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:700-720 cmdt.	193	43	9	5	0	0	0	0	0	89	26	0	0	0	0	0	0	0	11	1	0	0	0	0	0	0	0	0	4	1	0	0	0	0
5:720-740 cmdt.	166	62	5	4	0	0	0	0	0	68	38	0	0	0	0	0	0	0	9	6	0	0	0	0	0	0	0	0	7	0	0	0	0	0
5:740-760 cmdt.	33	6	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:760-780 cmdt.	29	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



APPENDICES II
GRAVEL ANALYSIS OF LANG RIVER

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

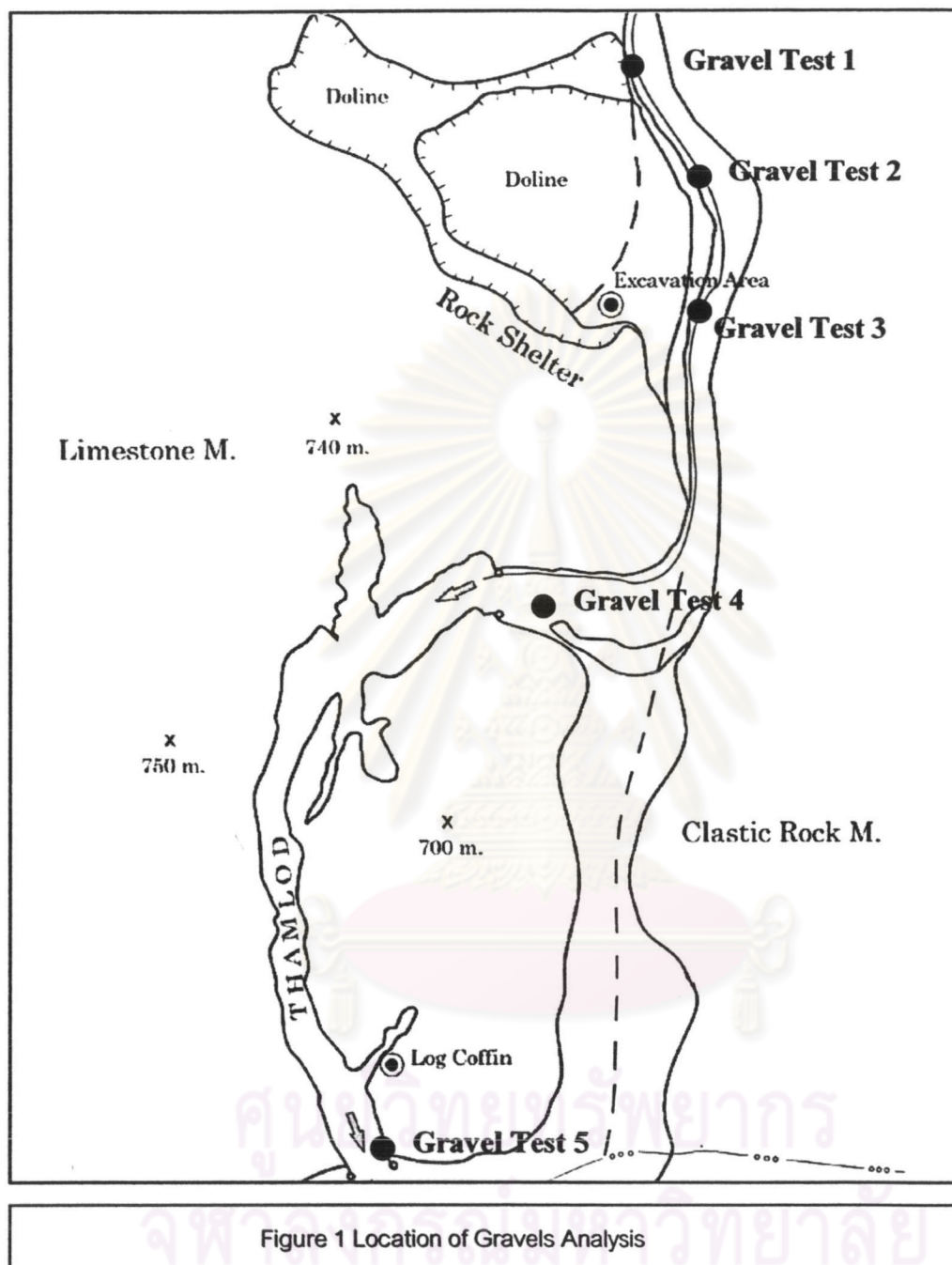


Figure 1 Location of Gravels Analysis

Table 1 Location 1

N0.	Rock Type	Size Particle	Roundness	Spheicity
1	SS	Cob	Rounded	Sub-Prismoidal
2	SS	Boul	Rounded	Sub-Prismoidal
3	SS	Cob	Rounded	Sub-discoidal
4	QT	Cob	Rounded	Sub-Prismoidal
5	SS	Cob	Rounded	Sub-discoidal
6	SS	Cob	Rounded	Sub-Prismoidal
7	VOL	Cob	Rounded	Sub-Prismoidal
8	PLU	Cob	Rounded	Prismoidal
9	SS	Peb	Rounded	Sub-discoidal
10	QT	Peb	Rounded	Sub-discoidal
11	VOL	Peb	Rounded	Sub-discoidal
12	PLU	Cob	Rounded	Sub-discoidal
13	FLI	Cob	Rounded	Sub-Prismoidal
14	QZ	Cob	Rounded	Sub-Prismoidal
15	SS	Cob	Rounded	Sub-Prismoidal
16	SS	Cob	Rounded	Sub-Prismoidal
17	SS	Cob	Rounded	Sub-Prismoidal
18	QT	Cob	Rounded	Sub-discoidal
19	VOL	Cob	Rounded	Sub-Prismoidal
20	SS	Cob	Rounded	Sub-Prismoidal
21	SS	Cob	Rounded	Sub-Prismoidal
22	SS	Peb	Rounded	Sub-Prismoidal
23	QT	Boul	Rounded	Sub-discoidal
24	QT	Cob	Rounded	Sub-discoidal
25	QT	Gran	Rounded	Sub-discoidal
26	VOL	Cob	Sub-Rou.	Sub-discoidal
27	PLU	Cob	Rounded	Sub-discoidal
28	SS	Cob	Rounded	Sub-discoidal
29	SS	Boul	Rounded	Sub-discoidal
30	SS	Peb	Rounded	Sub-discoidal
31	QT	Gran	Rounded	Sub-discoidal
32	QT	Cob	Rounded	Sub-discoidal
33	QT	Cob	Rounded	Sub-Prismoidal
34	QT	Cob	Rounded	Sub-discoidal
35	SS	Gran	Rounded	Sub-discoidal
36	SS	Gran	Rounded	Prismoidal
37	SS	Boul	Rounded	Prismoidal
38	QT	Boul	Rounded	Sub-Prismoidal
39	PLU	Cob	Sub-Rou.	Prismoidal
40	VOL	Cob	Sub-Rou.	Sub-discoidal
41	VOL	Cob	Rounded	Prismoidal
42	SS	Gran	Rounded	Sub-discoidal
43	SS	Cob	Rounded	Sub-Prismoidal
44	SS	Cob	Rounded	Sub-discoidal
45	QT	Peb	Rounded	Sub-Prismoidal
46	FLI	Peb	Rounded	Sub-Prismoidal
47	SS	Cob	Rounded	Sub-Prismoidal
48	MS	Cob	Rounded	Prismoidal
49	MS	Cob	Rounded	Sub-discoidal
50	SS	Cob	Rounded	Sub-discoidal

Table 2 Location 2

NO.	Rock Type	Size Particle	Roundness	Spheicity
1	SS	Cob	Rounded	Sub-Prismoidal
2	SS	Boul	Rounded	Sub-Prismoidal
3	SS	Cob	Rounded	Sub-discoidal
4	SS	Cob	Rounded	Sub-Prismoidal
5	SS	Cob	Rounded	Sub-discoidal
6	SS	Cob	Rounded	Sub-Prismoidal
7	QT	Cob	Rounded	Sub-Prismoidal
8	SS	Cob	Rounded	Prismoidal
9	SS	Peb	Rounded	Sub-discoidal
10	VOL	Peb	Rounded	Sub-discoidal
11	VOL	Peb	Rounded	Sub-discoidal
12	QT	Cob	Rounded	Sub-discoidal
13	FLI	Cob	Rounded	Sub-Prismoidal
14	MS	Cob	Rounded	Sub-Prismoidal
15	SS	Cob	Rounded	Sub-Prismoidal
16	QT	Cob	Rounded	Sub-Prismoidal
17	SS	Cob	Rounded	Sub-Prismoidal
18	QT	Cob	Rounded	Sub-discoidal
19	QT	Cob	Rounded	Sub-Prismoidal
20	SS	Cob	Rounded	Sub-Prismoidal
21	SS	Cob	Rounded	Sub-Prismoidal
22	SS	Peb	Rounded	Sub-Prismoidal
23	QT	Boul	Rounded	Sub-discoidal
24	QT	Cob	Rounded	Sub-discoidal
25	QT	Gran	Rounded	Sub-discoidal
26	SS	Cob	Sub-Rou.	Sub-discoidal
27	PLU	Cob	Rounded	Sub-discoidal
28	SS	Cob	Rounded	Sub-discoidal
29	SS	Boul	Rounded	Sub-discoidal
30	SS	Peb	Rounded	Sub-discoidal
31	VOL	Gran	Rounded	Sub-discoidal
32	QT	Cob	Rounded	Sub-discoidal
33	QT	Cob	Rounded	Sub-Prismoidal
34	SS	Cob	Rounded	Sub-discoidal
35	SS	Gran	Rounded	Sub-discoidal
36	SS	Gran	Rounded	Prismoidal
37	SS	Boul	Rounded	Prismoidal
38	QT	Boul	Rounded	Sub-Prismoidal
39	PLU	Cob	Sub-Rou.	Prismoidal
40	VOL	Cob	Sub-Rou.	Sub-discoidal
41	VOL	Cob	Rounded	Prismoidal
42	SS	Gran	Rounded	Sub-discoidal
43	MS	Cob	Rounded	Sub-Prismoidal
44	SS	Cob	Rounded	Sub-discoidal
45	QT	Peb	Rounded	Sub-Prismoidal
46	FLI	Peb	Rounded	Sub-Prismoidal
47	SCHI	Cob	Rounded	Sub-Prismoidal
48	MS	Cob	Rounded	Prismoidal
49	MS	Cob	Rounded	Sub-discoidal
50	SS	Cob	Rounded	Sub-discoidal

Table 3 Location 3

NO.	Rock Type	Size Particle	Roundness	Speicity
1	SS	Cob	Rounded	Sub-Prismoidal
2	SS	Boul	Rounded	Sub-Prismoidal
3	SS	Cob	Rounded	Sub-discoidal
4	SS	Cob	Rounded	Sub-Prismoidal
5	SS	Cob	Rounded	Sub-discoidal
6	SS	Cob	Rounded	Sub-Prismoidal
7	SS	Cob	Rounded	Sub-Prismoidal
8	QT	Cob	Rounded	Prismoidal
9	SS	Peb	Rounded	Sub-discoidal
10	QT	Peb	Rounded	Sub-discoidal
11	PLU	Peb	Rounded	Sub-discoidal
12	PLU	Cob	Rounded	Sub-discoidal
13	SS	Cob	Rounded	Sub-Prismoidal
14	QZ	Cob	Rounded	Sub-Prismoidal
15	SS	Cob	Rounded	Sub-Prismoidal
16	QT	Cob	Rounded	Sub-Prismoidal
17	QT	Cob	Rounded	Sub-Prismoidal
18	QT	Cob	Rounded	Sub-discoidal
19	PLU	Cob	Rounded	Sub-Prismoidal
20	SS	Cob	Rounded	Sub-Prismoidal
21	SS	Cob	Rounded	Sub-Prismoidal
22	PLU	Peb	Rounded	Sub-Prismoidal
23	QT	Boul	Rounded	Sub-discoidal
24	MS	Cob	Rounded	Sub-discoidal
25	QT	Gran	Rounded	Sub-discoidal
26	VOL	Cob	Sub-Rou.	Sub-discoidal
27	VOL	Cob	Rounded	Sub-discoidal
28	SS	Cob	Rounded	Sub-discoidal
29	SS	Boul	Rounded	Sub-discoidal
30	SS	Peb	Rounded	Sub-discoidal
31	QT	Gran	Rounded	Sub-discoidal
32	SS	Cob	Rounded	Sub-discoidal
33	QT	Cob	Rounded	Sub-Prismoidal
34	QT	Cob	Rounded	Sub-discoidal
35	SS	Gran	Rounded	Sub-discoidal
36	SS	Gran	Rounded	Prismoidal
37	SS	Boul	Rounded	Prismoidal
38	QT	Boul	Rounded	Sub-Prismoidal
39	PLU	Cob	Sub-Rou.	Prismoidal
40	VOL	Cob	Sub-Rou.	Sub-discoidal
41	SS	Cob	Rounded	Prismoidal
42	SS	Gran	Rounded	Sub-discoidal
43	SS	Cob	Rounded	Sub-Prismoidal
44	QT	Cob	Rounded	Sub-discoidal
45	QT	Peb	Rounded	Sub-Prismoidal
46	FLI	Peb	Rounded	Sub-Prismoidal
47	SS	Cob	Rounded	Sub-Prismoidal
48	QZ	Cob	Rounded	Prismoidal
49	MS	Cob	Rounded	Sub-discoidal
50	QT	Cob	Rounded	Sub-discoidal

Table 4 Location 4

N0.	Rock Type	Size Particle	Roundness	Spheicity
1	QT	Cob	Rounded	Sub-Prismoidal
2	SS	Cob	Rounded	Sub-Prismoidal
3	SS	Cob	Rounded	Sub-discoidal
4	QT	Cob	Rounded	Sub-Prismoidal
5	SS	Cob	Rounded	Sub-discoidal
6	SS	Cob	Rounded	Sub-Prismoidal
7	FLI	Cob	Rounded	Sub-Prismoidal
8	PLU	Cob	Rounded	Prismoidal
9	SS	Peb	Rounded	Sub-discoidal
10	QT	Peb	Rounded	Sub-discoidal
11	VOL	Peb	Rounded	Sub-discoidal
12	PLU	Cob	Rounded	Sub-discoidal
13	SS	Cob	Rounded	Sub-Prismoidal
14	QZ	Boul	Rounded	Sub-Prismoidal
15	SS	Cob	Rounded	Sub-Prismoidal
16	SS	Cob	Rounded	Sub-Prismoidal
17	SS	Cob	Rounded	Sub-Prismoidal
18	VOL	Cob	Rounded	Sub-discoidal
19	VOL	Peb	Rounded	Sub-Prismoidal
20	SS	Peb	Rounded	Sub-Prismoidal
21	SS	Cob	Rounded	Sub-Prismoidal
22	SS	Peb	Rounded	Sub-Prismoidal
23	QT	Boul	Rounded	Sub-discoidal
24	QT	Cob	Rounded	Sub-discoidal
25	QT	Gran	Rounded	Sub-discoidal
26	SS	Cob	Sub-Rou.	Sub-discoidal
27	SS	Cob	Rounded	Sub-discoidal
28	SS	Cob	Rounded	Sub-discoidal
29	SS	Boul	Rounded	Sub-discoidal
30	SS	Peb	Rounded	Sub-discoidal
31	QT	Gran	Rounded	Sub-discoidal
32	QT	Cob	Rounded	Sub-discoidal
33	MS	Gran	Rounded	Sub-Prismoidal
34	QT	Cob	Rounded	Sub-discoidal
35	SS	Gran	Rounded	Sub-discoidal
36	QZ	Gran	Rounded	Prismoidal
37	SS	Boul	Rounded	Prismoidal
38	QT	Boul	Rounded	Sub-Prismoidal
39	PLU	Cob	Sub-Rou.	Prismoidal
40	VOL	Cob	Sub-Rou.	Sub-discoidal
41	SS	Cob	Rounded	Prismoidal
42	SS	Gran	Rounded	Sub-discoidal
43	SCHI	Cob	Rounded	Sub-Prismoidal
44	SS	Cob	Rounded	Sub-discoidal
45	QT	Peb	Rounded	Sub-Prismoidal
46	VOL	Peb	Rounded	Sub-Prismoidal
47	SS	Cob	Rounded	Sub-Prismoidal
48	PLU	Cob	Rounded	Prismoidal
49	PLU	Cob	Rounded	Sub-discoidal
50	SS	Cob	Rounded	Sub-discoidal

Table 5 Location 5

NO.	Rock Type	Size Particle	Roundness	Spheicity
1	VOL	Cob	Rounded	Sub-Prismoidal
2	QT	Boul	Rounded	Sub-Prismoidal
3	SS	Cob	Rounded	Sub-discoidal
4	QT	Cob	Rounded	Sub-Prismoidal
5	SS	Cob	Rounded	Sub-discoidal
6	SS	Cob	Rounded	Sub-Prismoidal
7	SS	Cob	Rounded	Sub-Prismoidal
8	SS	Cob	Rounded	Prismoidal
9	SS	Peb	Rounded	Sub-discoidal
10	QT	Peb	Rounded	Sub-discoidal
11	VOL	Peb	Rounded	Sub-discoidal
12	PLU	Cob	Rounded	Sub-discoidal
13	VOL	Cob	Rounded	Sub-Prismoidal
14	QZ	Cob	Rounded	Sub-Prismoidal
15	SS	Cob	Rounded	Sub-Prismoidal
16	SS	Cob	Rounded	Sub-Prismoidal
17	SS	Cob	Rounded	Sub-Prismoidal
18	QT	Cob	Rounded	Sub-discoidal
19	PLU	Cob	Rounded	Sub-Prismoidal
20	SS	Cob	Rounded	Sub-Prismoidal
21	SS	Cob	Rounded	Sub-Prismoidal
22	SS	Peb	Rounded	Sub-Prismoidal
23	QT	Boul	Rounded	Sub-discoidal
24	SCHI	Cob	Rounded	Sub-discoidal
25	QZ	Gran	Rounded	Sub-discoidal
26	VOL	Cob	Sub-Rou.	Sub-discoidal
27	PLU	Cob	Rounded	Sub-discoidal
28	SS	Cob	Rounded	Sub-discoidal
29	SS	Boul	Rounded	Sub-discoidal
30	SS	Peb	Rounded	Sub-discoidal
31	SS	Gran	Rounded	Sub-discoidal
32	QT	Cob	Rounded	Sub-discoidal
33	QT	Cob	Rounded	Sub-Prismoidal
34	QT	Cob	Rounded	Sub-discoidal
35	SS	Gran	Rounded	Sub-discoidal
36	SS	Gran	Rounded	Prismoidal
37	SS	Boul	Rounded	Prismoidal
38	QT	Boul	Rounded	Sub-Prismoidal
39	PLU	Cob	Sub-Rou.	Prismoidal
40	VOL	Cob	Sub-Rou.	Sub-discoidal
41	VOL	Cob	Rounded	Prismoidal
42	SS	Gran	Rounded	Sub-discoidal
43	SS	Cob	Rounded	Sub-Prismoidal
44	SS	Cob	Rounded	Sub-discoidal
45	QT	Peb	Rounded	Sub-Prismoidal
46	FLI	Peb	Rounded	Sub-Prismoidal
47	SS	Cob	Rounded	Sub-Prismoidal
48	MS	Cob	Rounded	Prismoidal
49	MS	Cob	Rounded	Sub-discoidal
50	SS	Cob	Rounded	Sub-discoidal

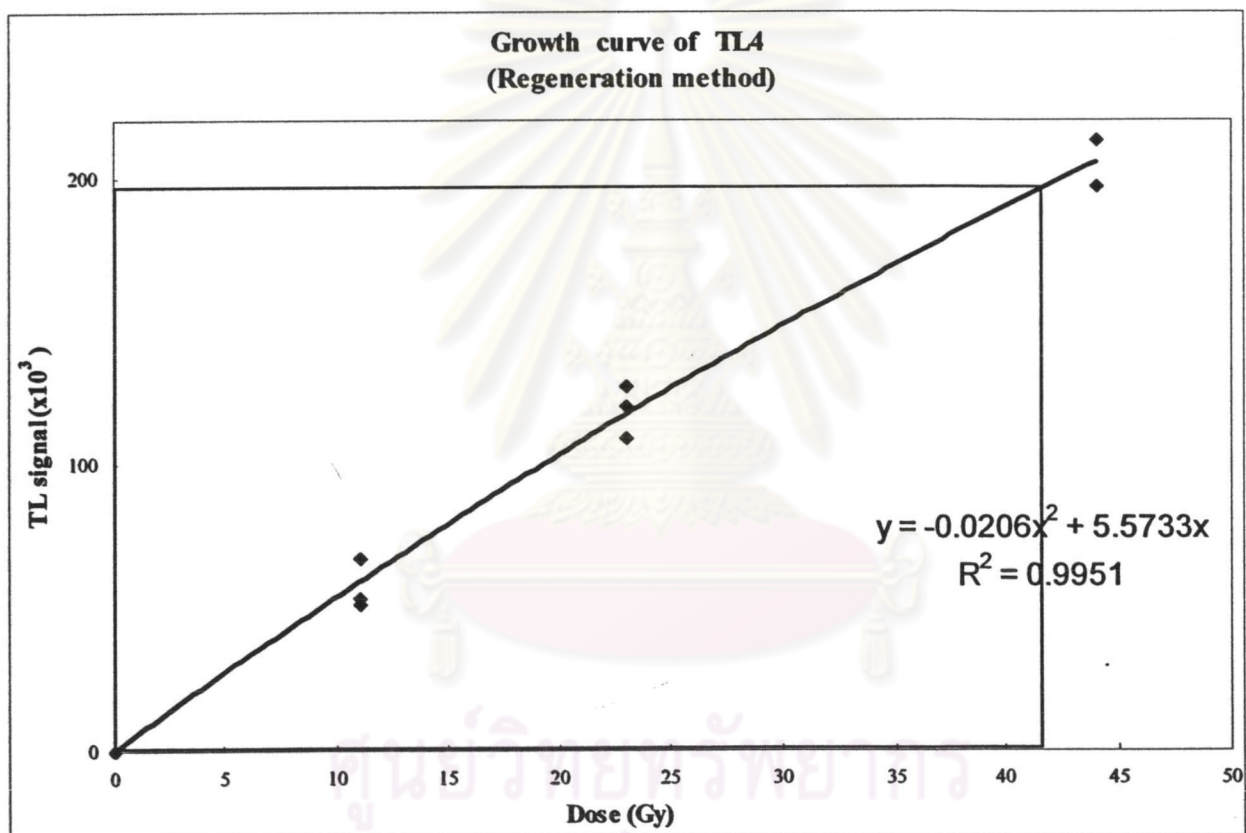


APPENDICES III
THERMOLUMINESCENCE DATING

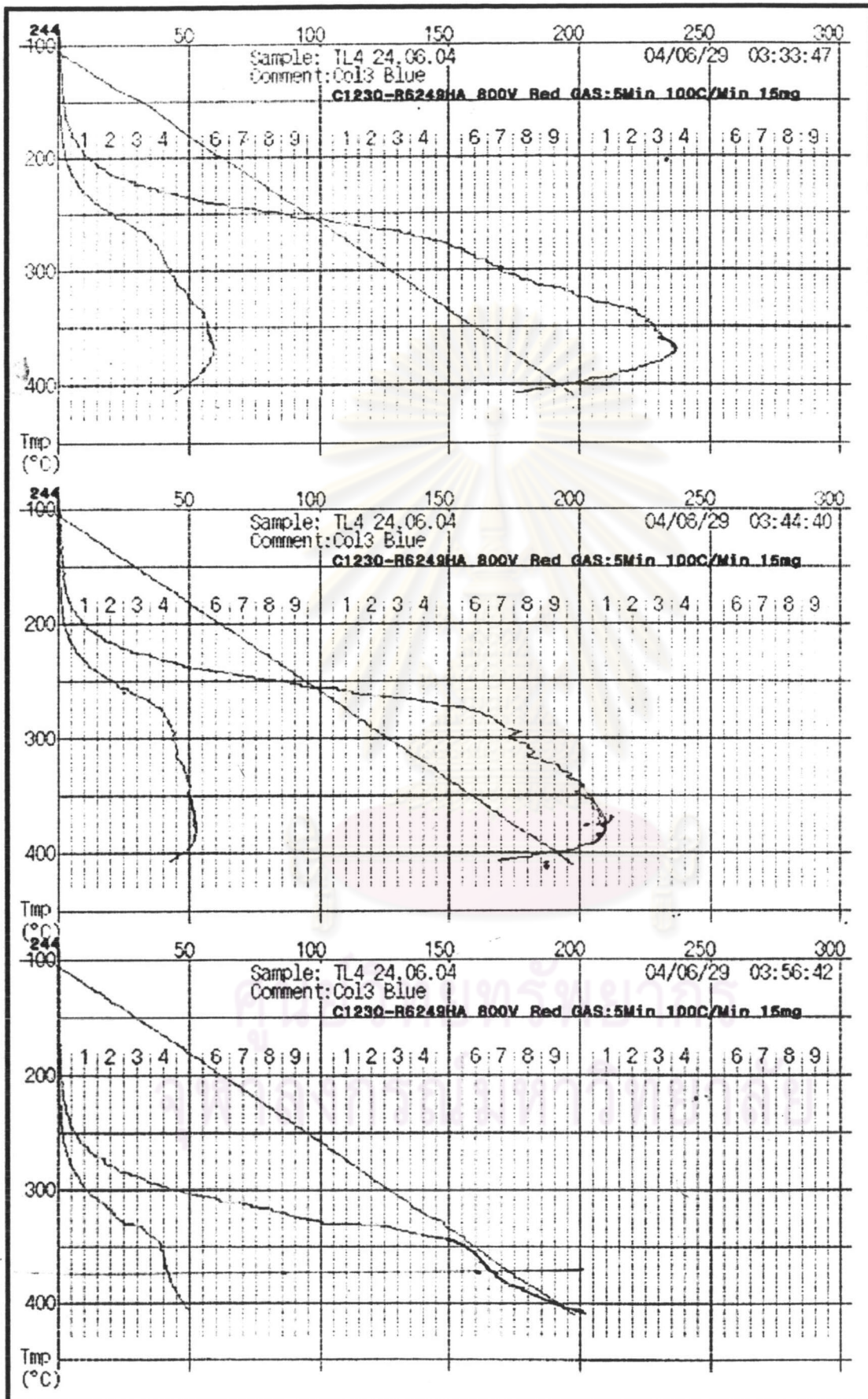
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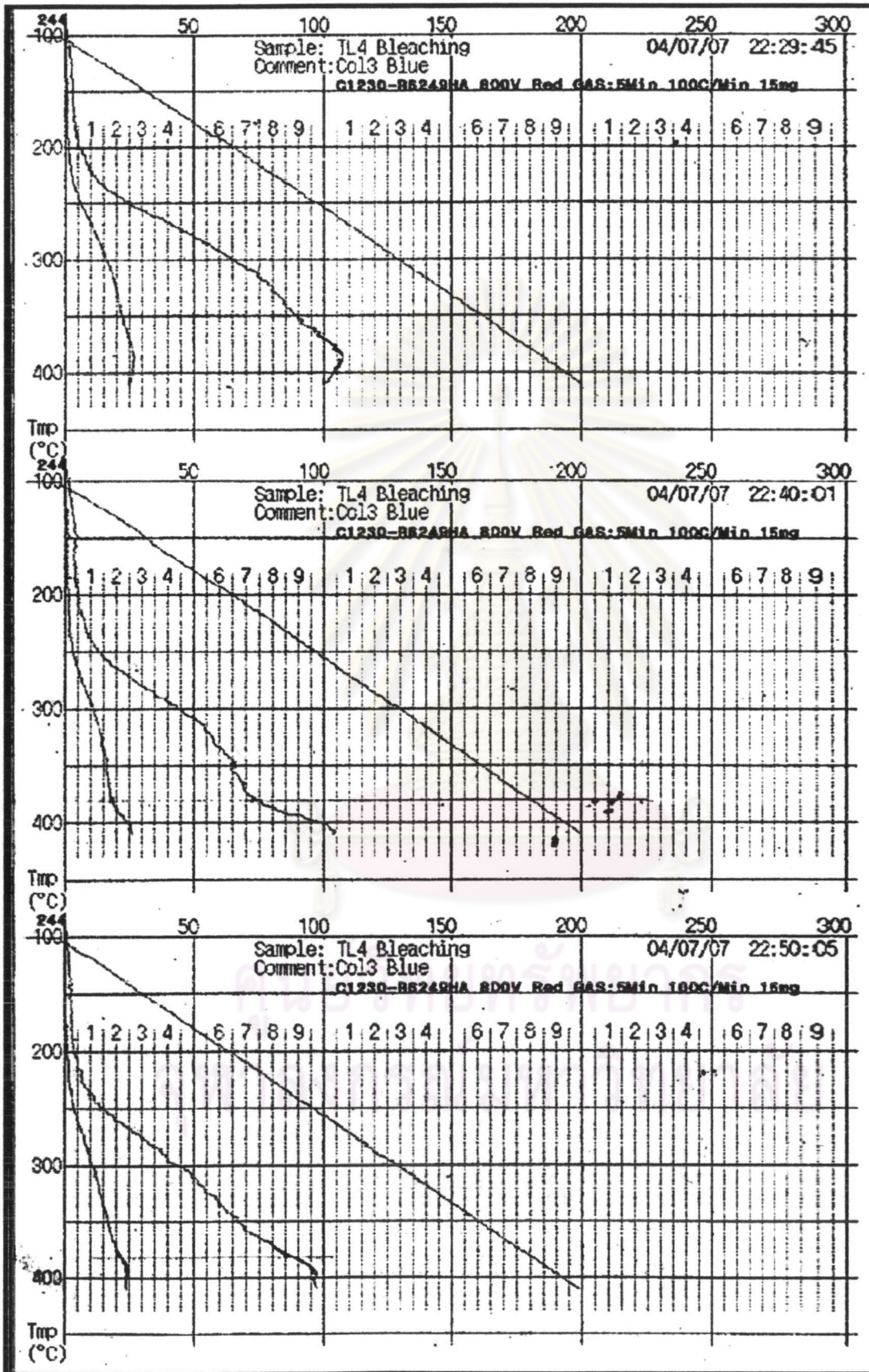
TL 04

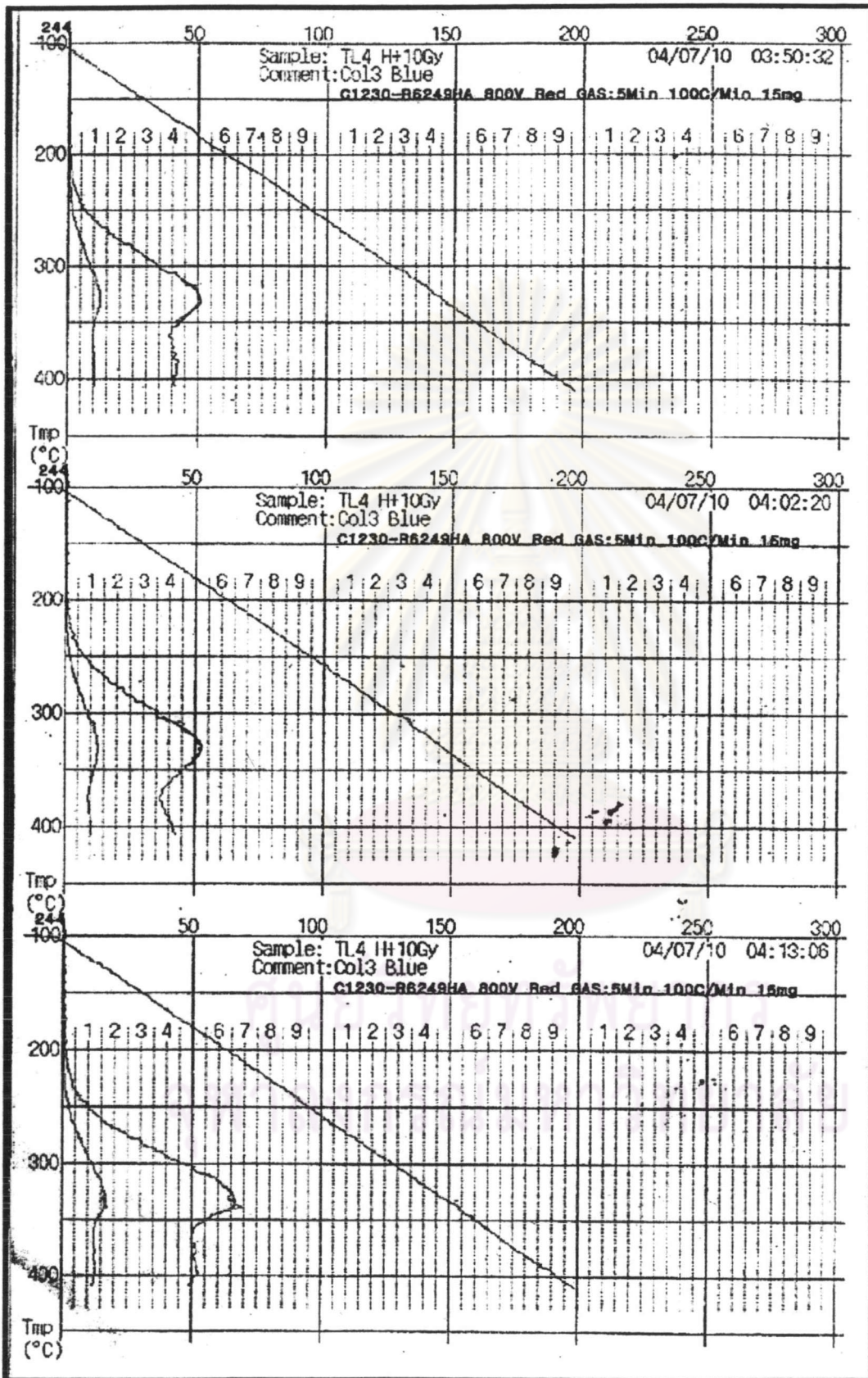
Sample	U (ppm.)	Th (ppm.)	K %	%W	Annual dose (mGy/yr)	Paleo dose (Gy)	Age (BP.)
TL04	6.42414	19.4789	4.7332	2.36	2.37	25.08	10582 ± 49

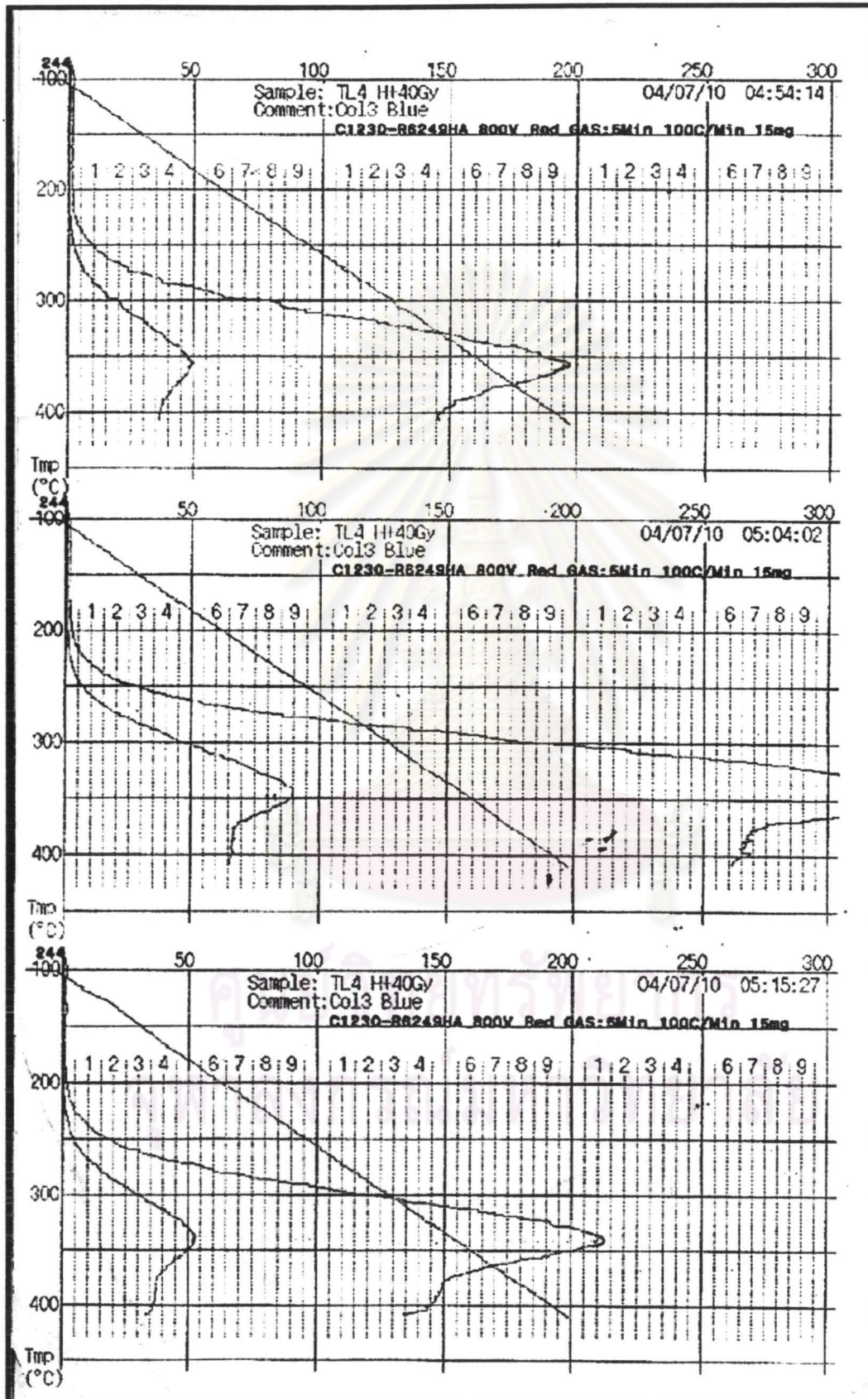


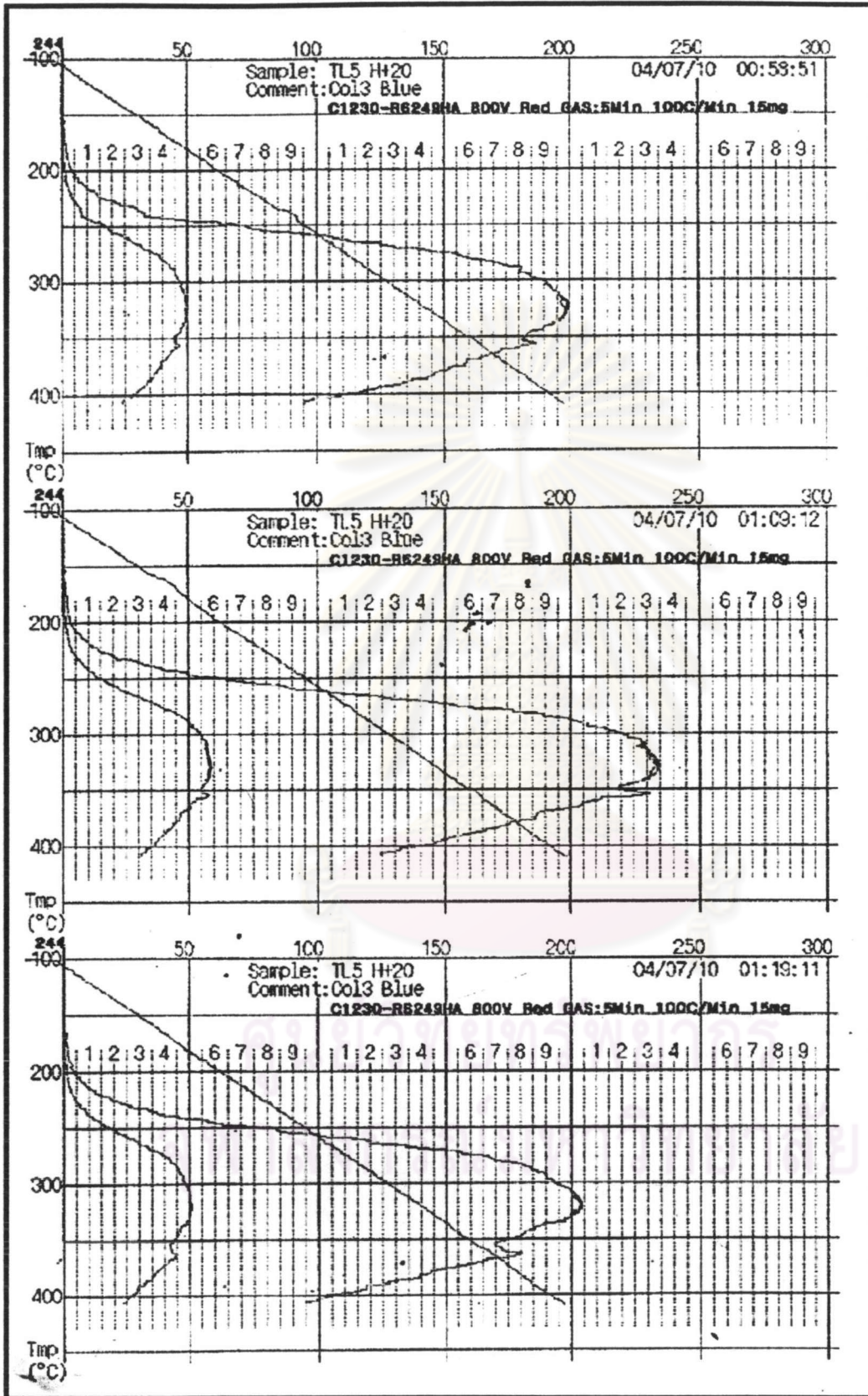
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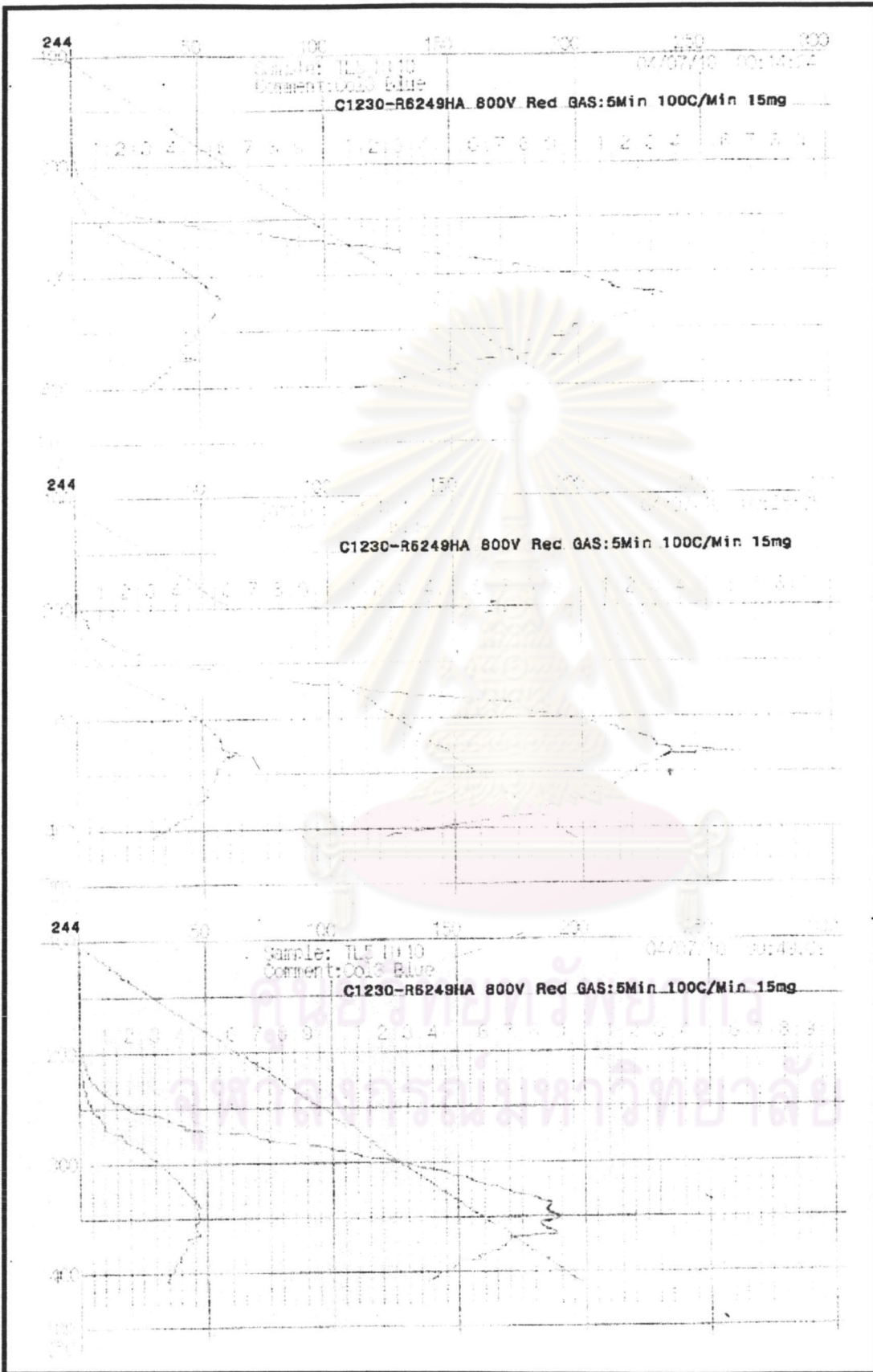


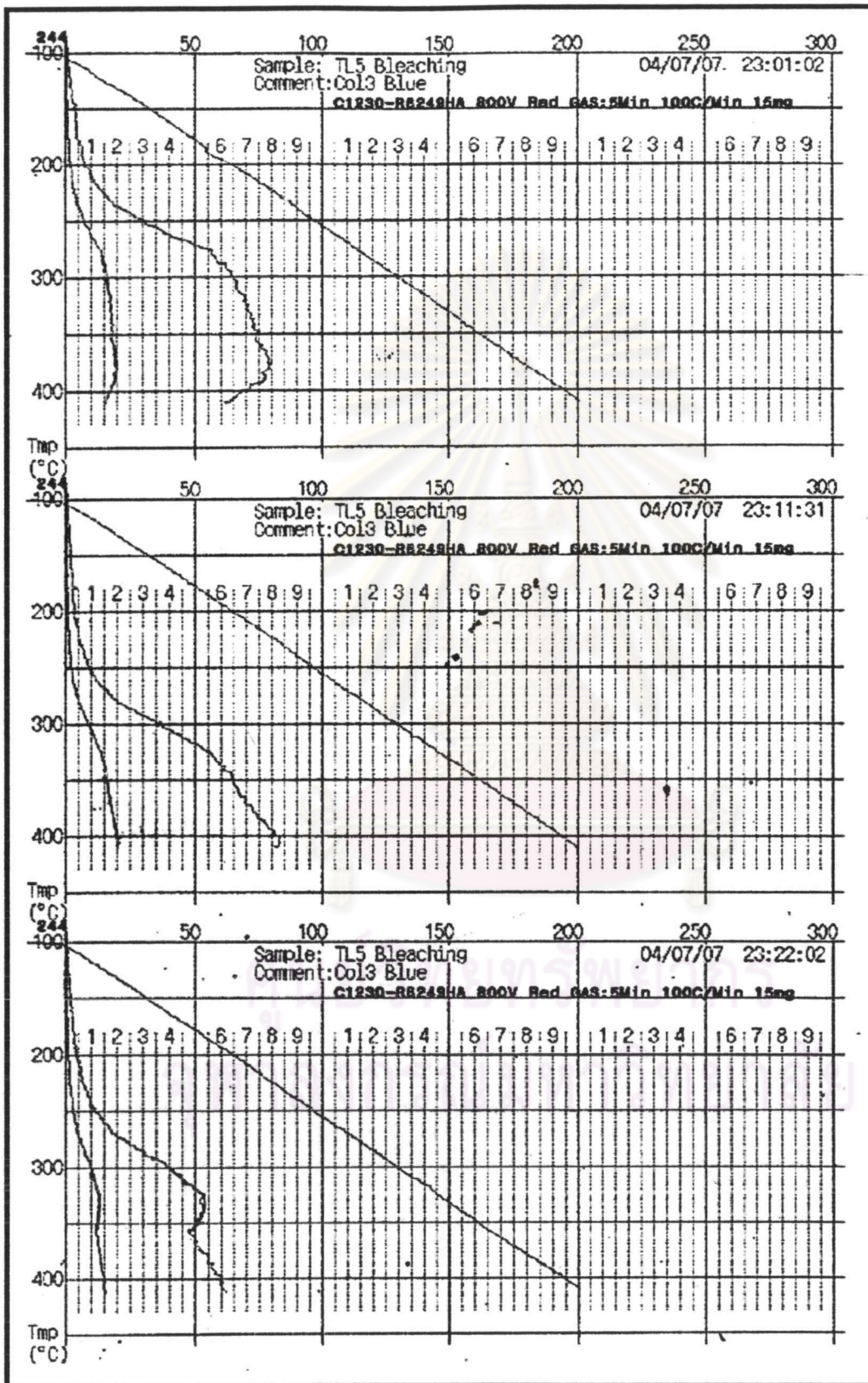


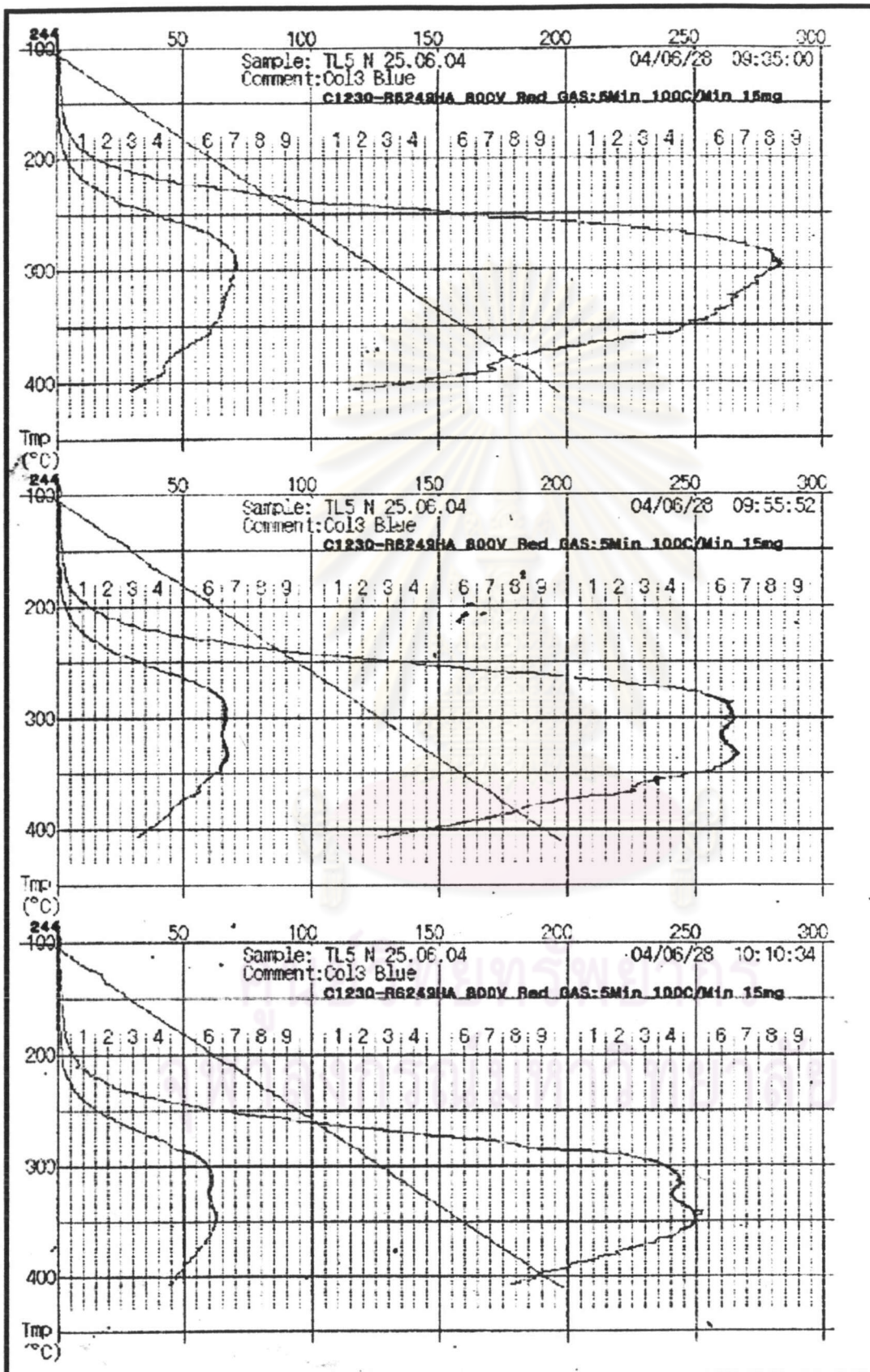






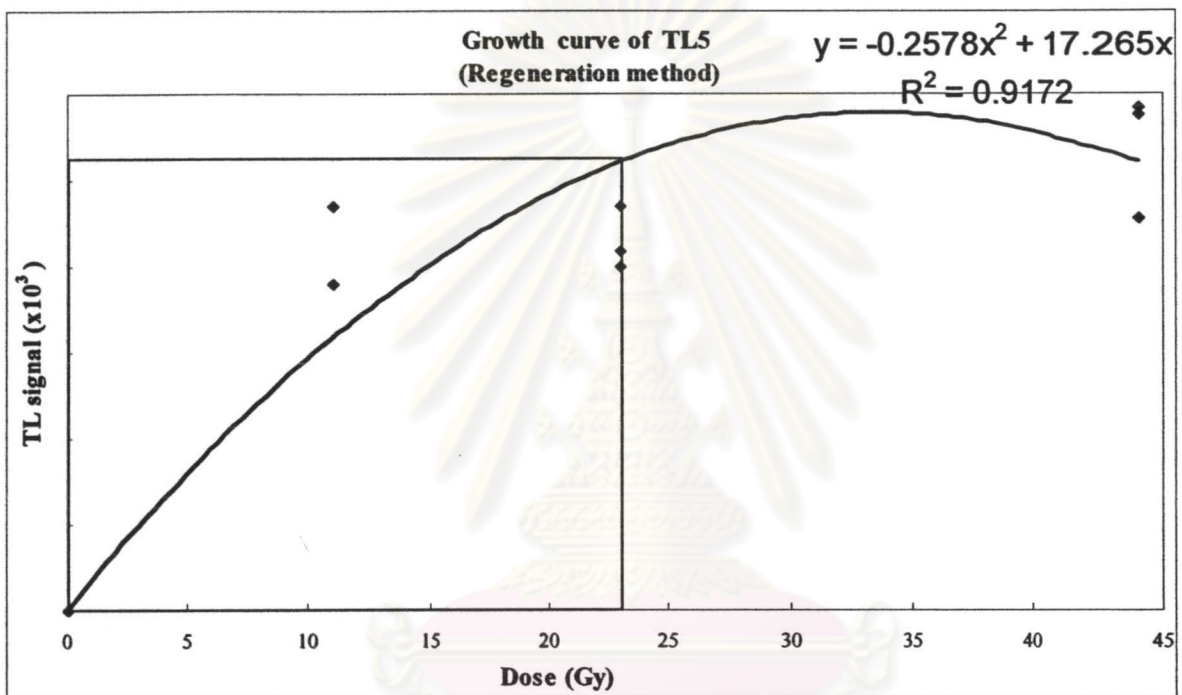




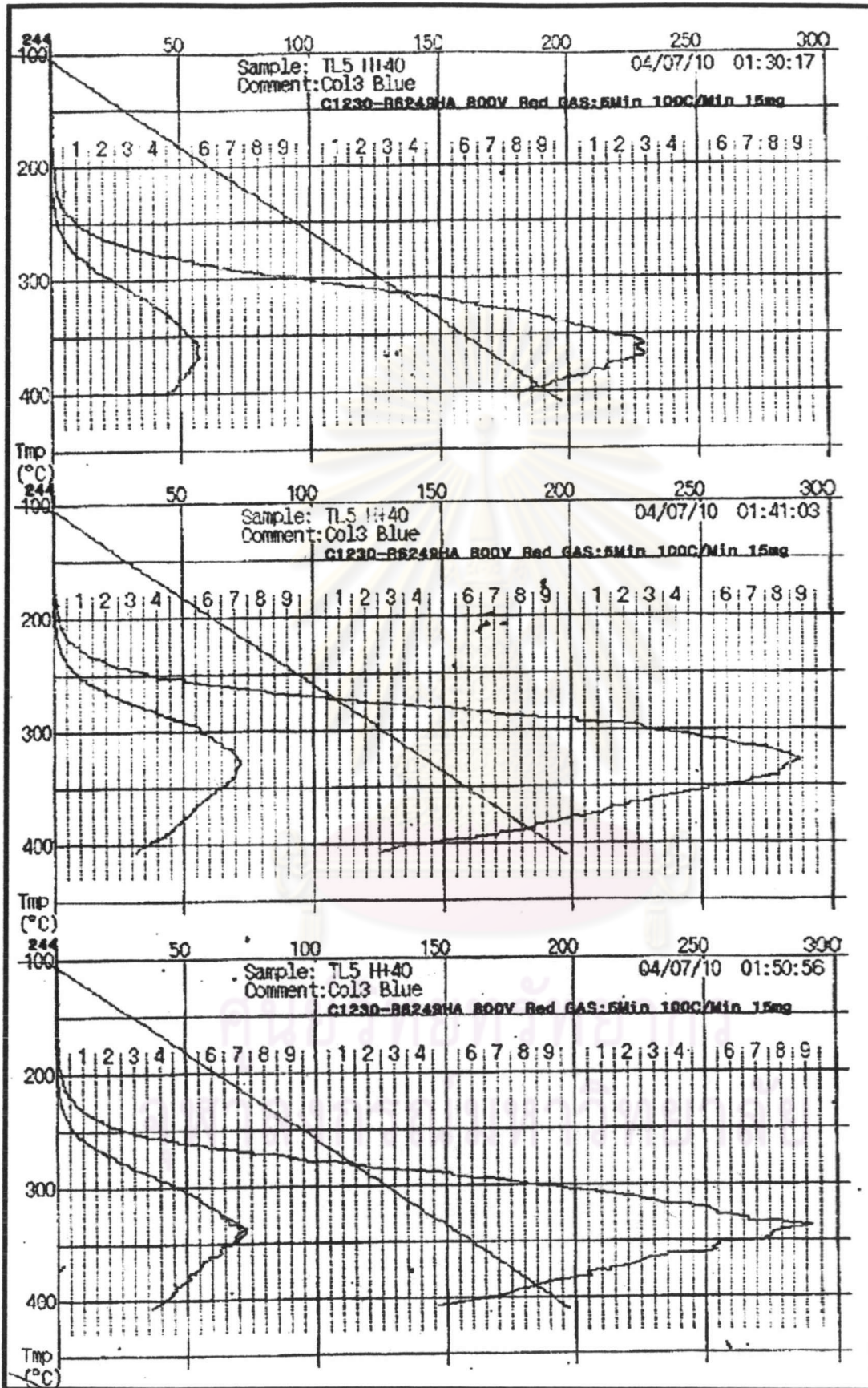


TL 05

Sample	U (ppm.)	Th (ppm.)	K %	%W	Annual dose (mGy/yr)	Paleo dose (Gy)	Age (BP.)
TL05	11.8241	25.8717	9.9332	2.2	6.014	17.64	2933 ± 83

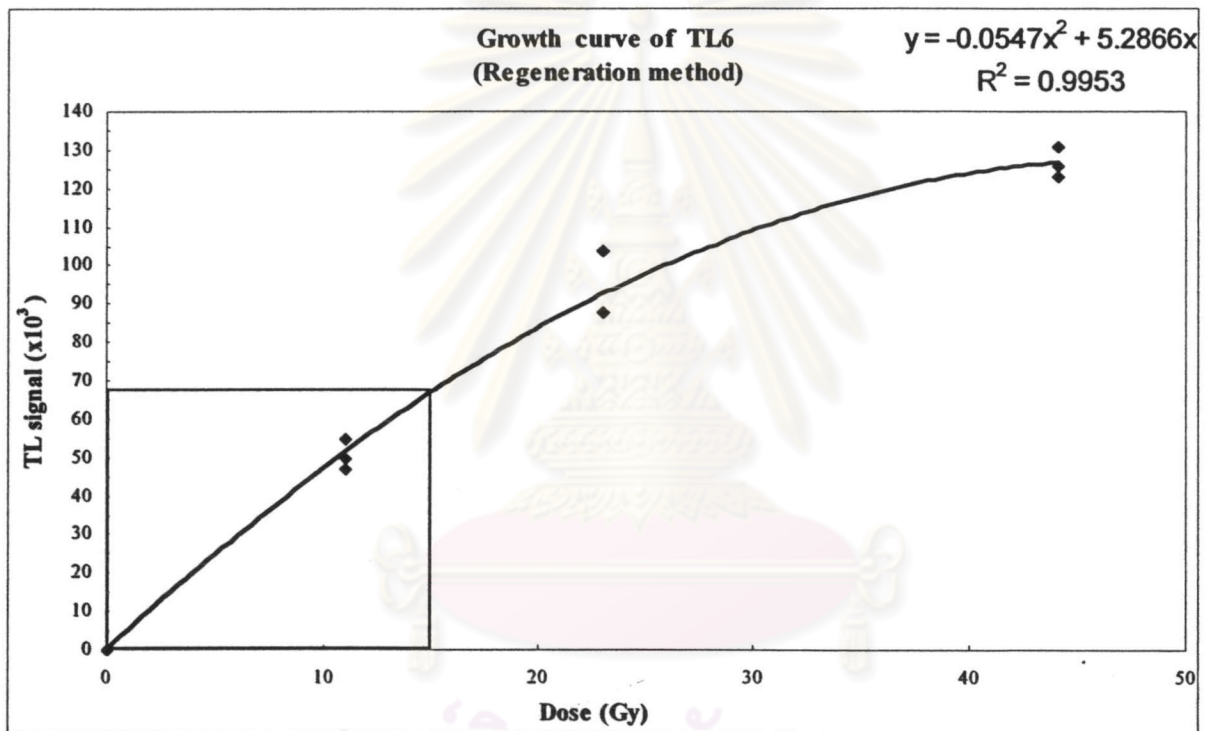


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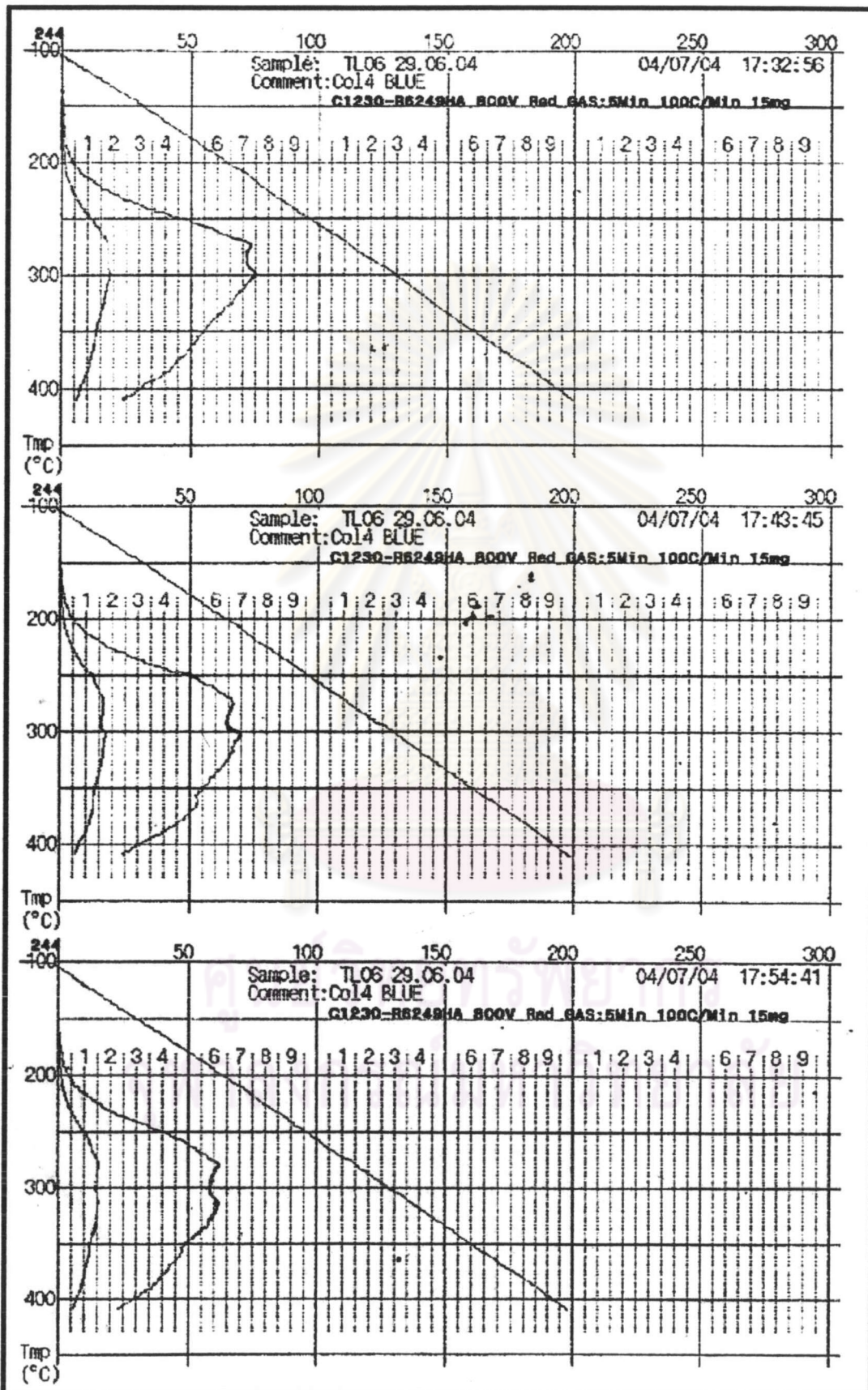


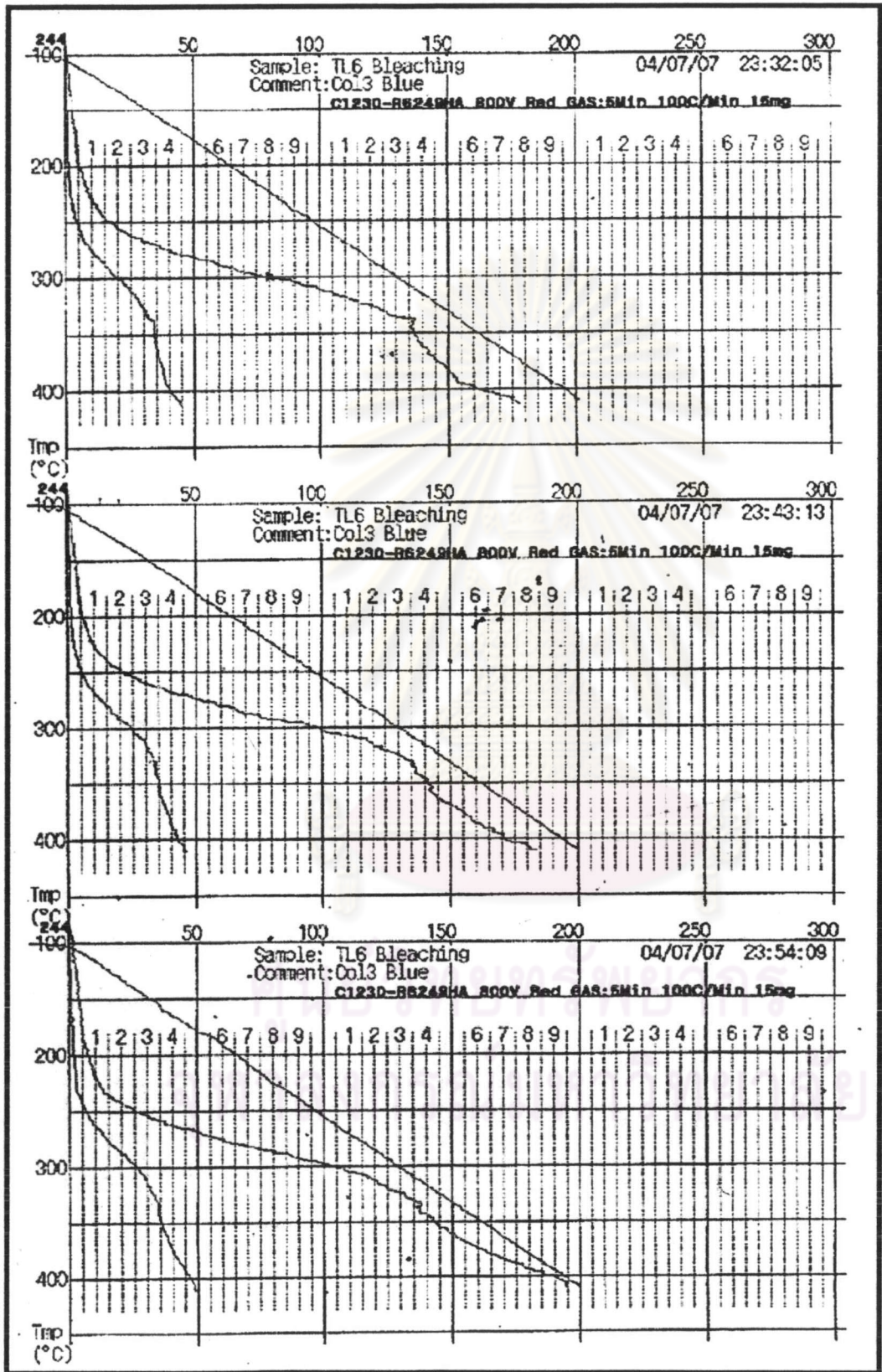
TL 06

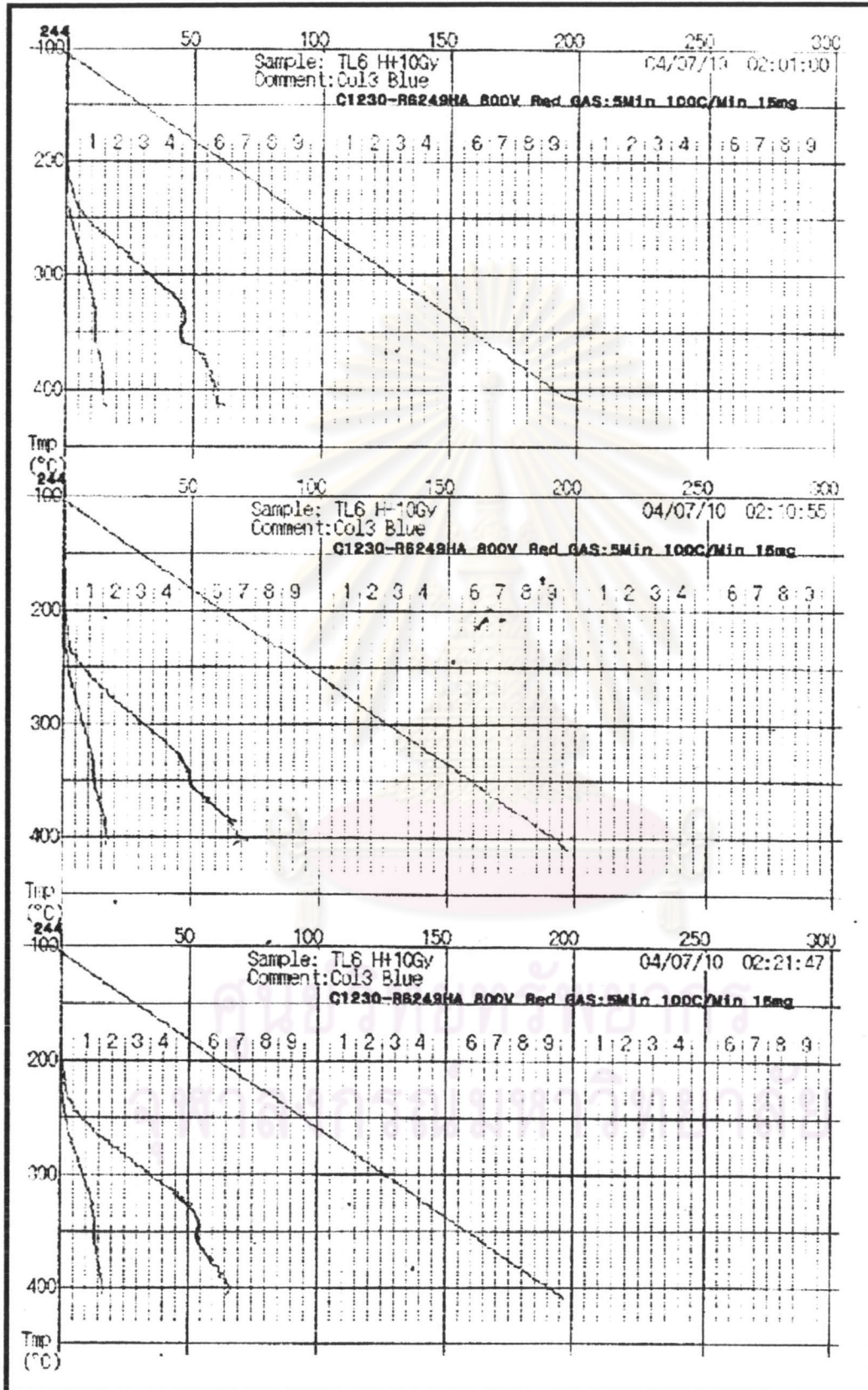
Sample	U (ppm.)	Th (ppm.)	K %	%W	Annual dose (mGy/yr)	Paleo dose (Gy)	Age (BP.)
TL06	3.42414	15.7787	1.7332	5	1.08	15.18	14055 ± 47

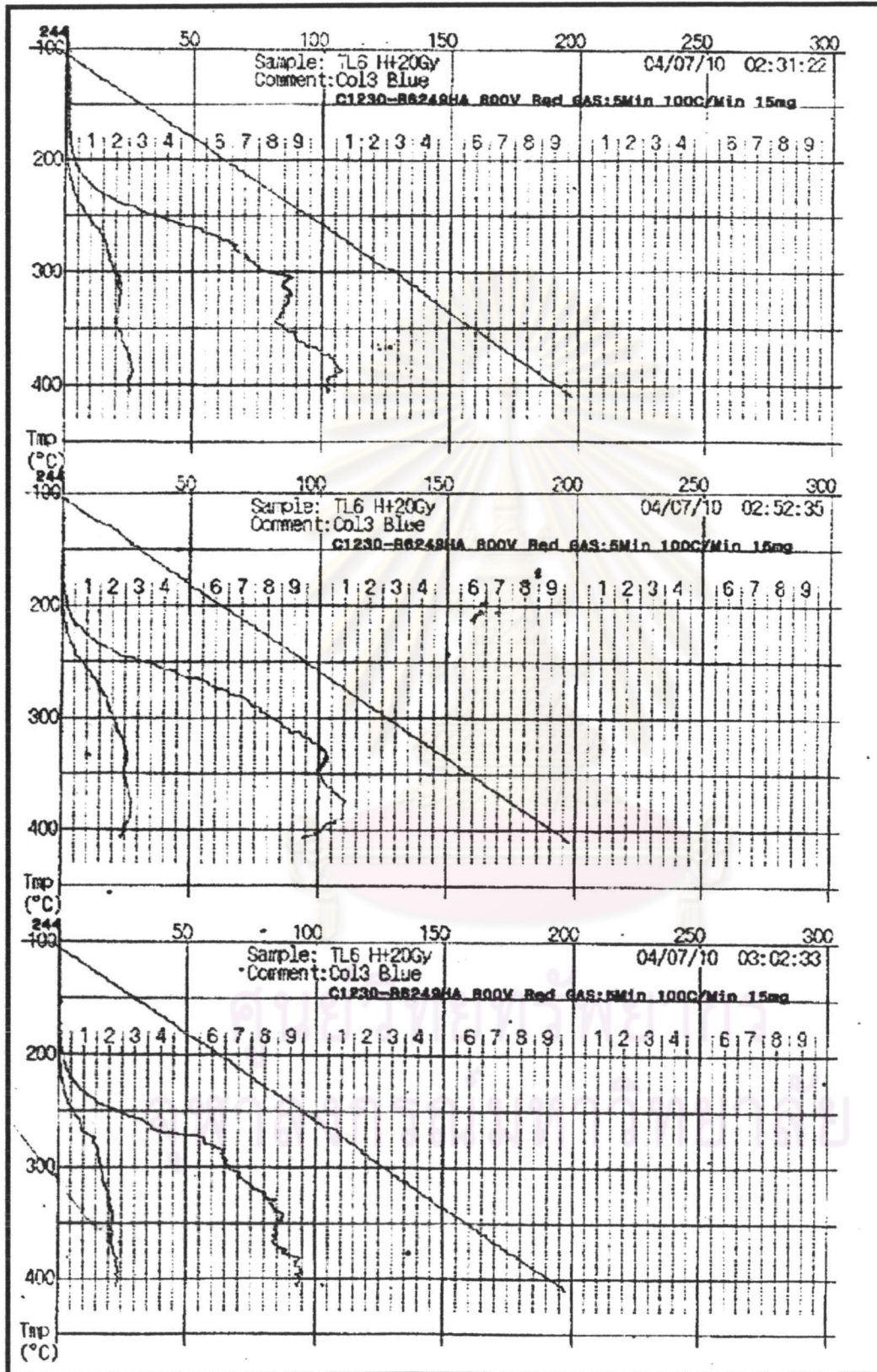


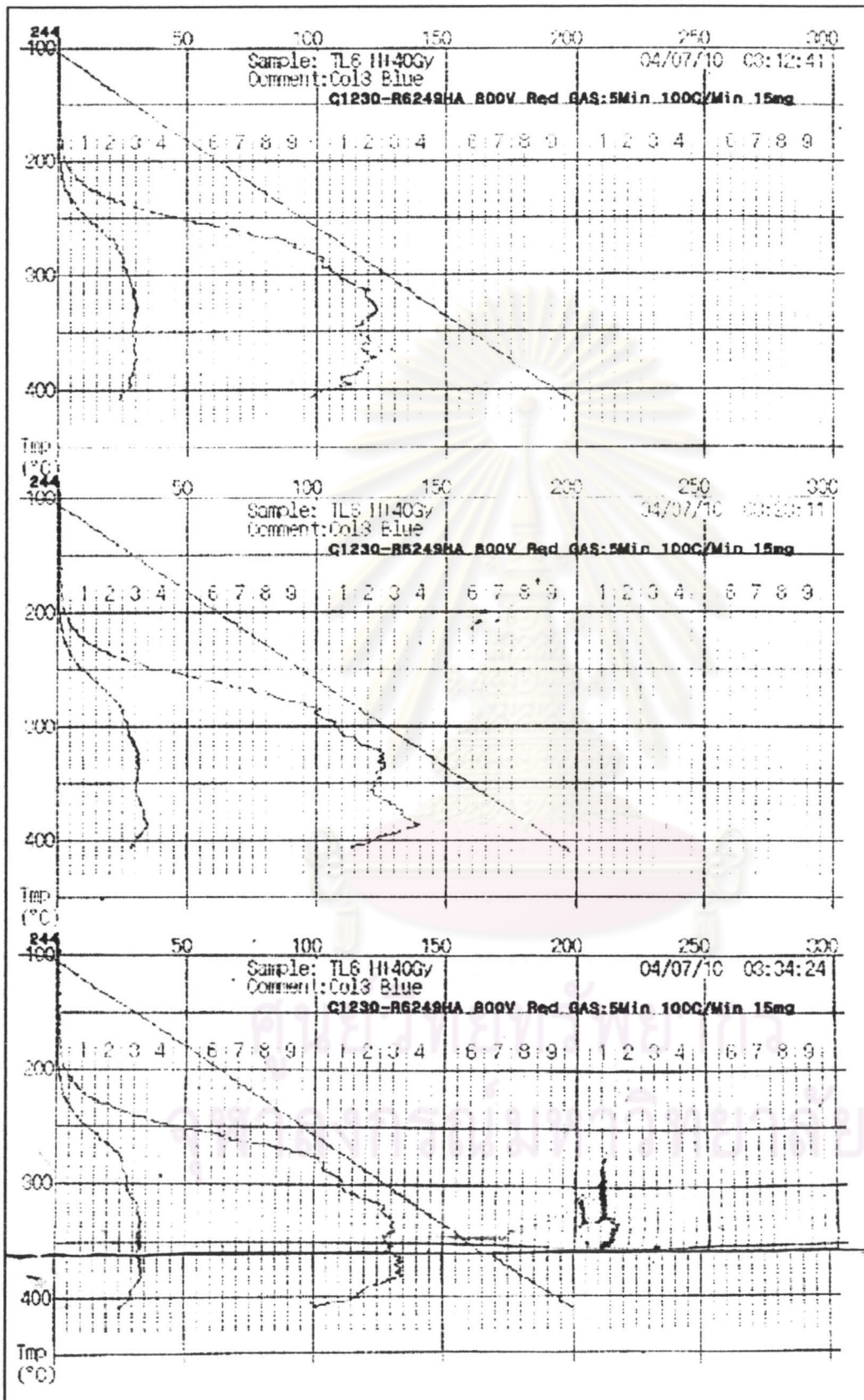
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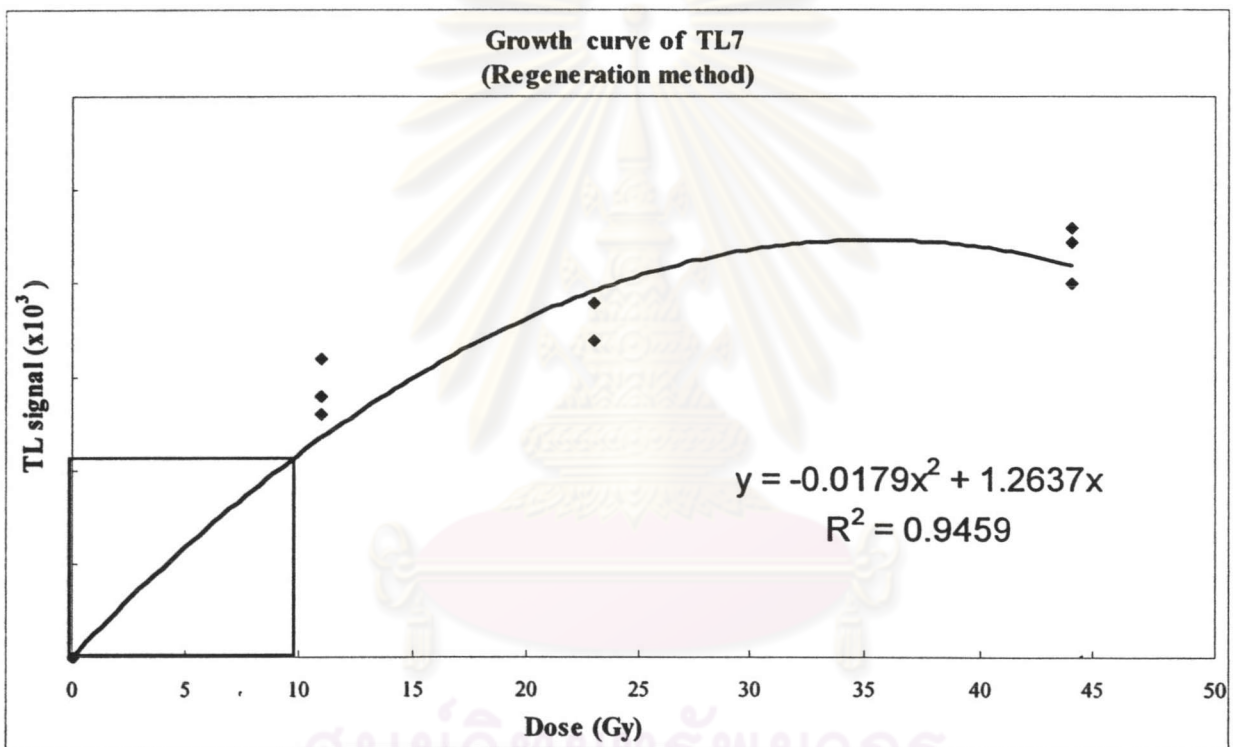




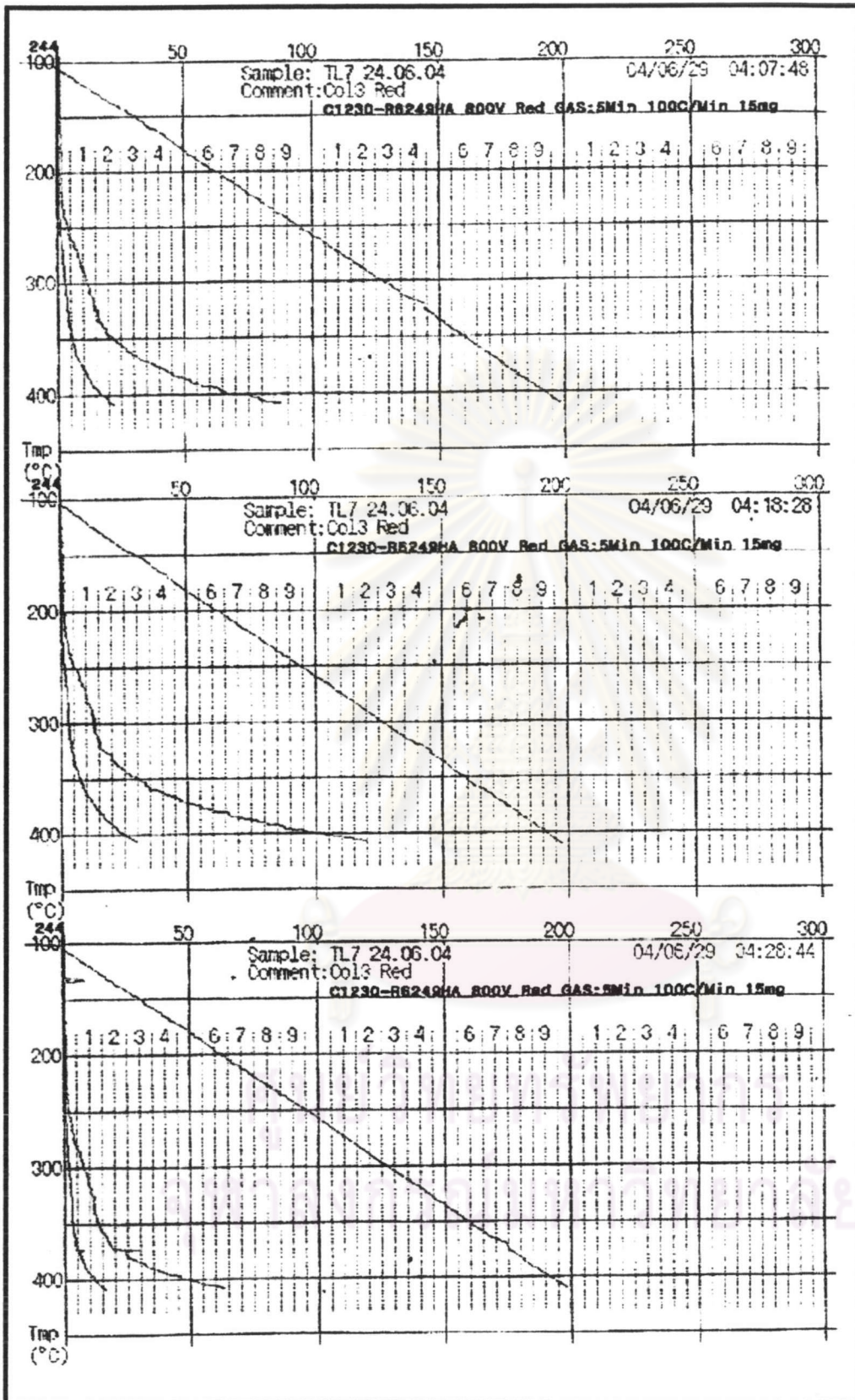


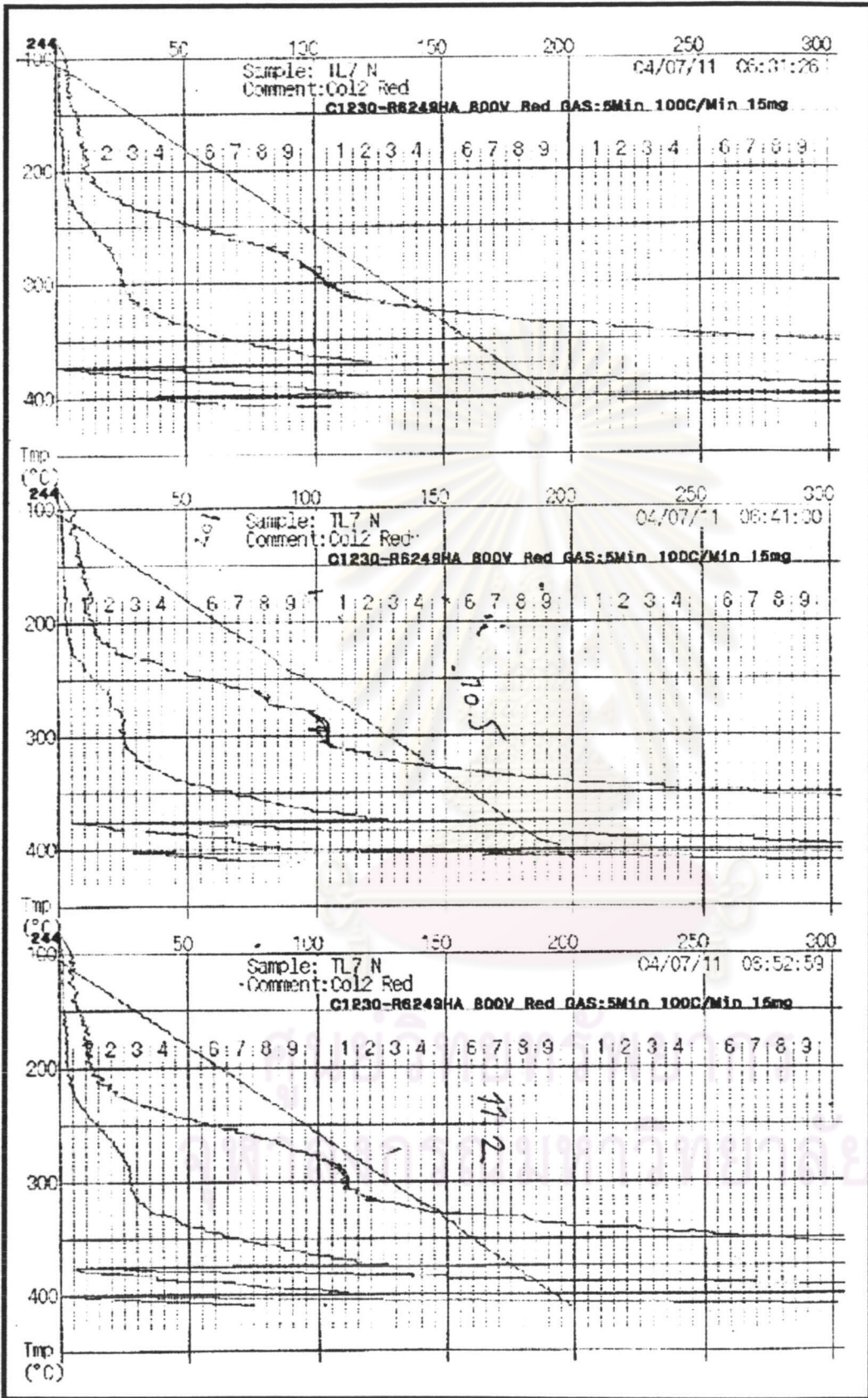
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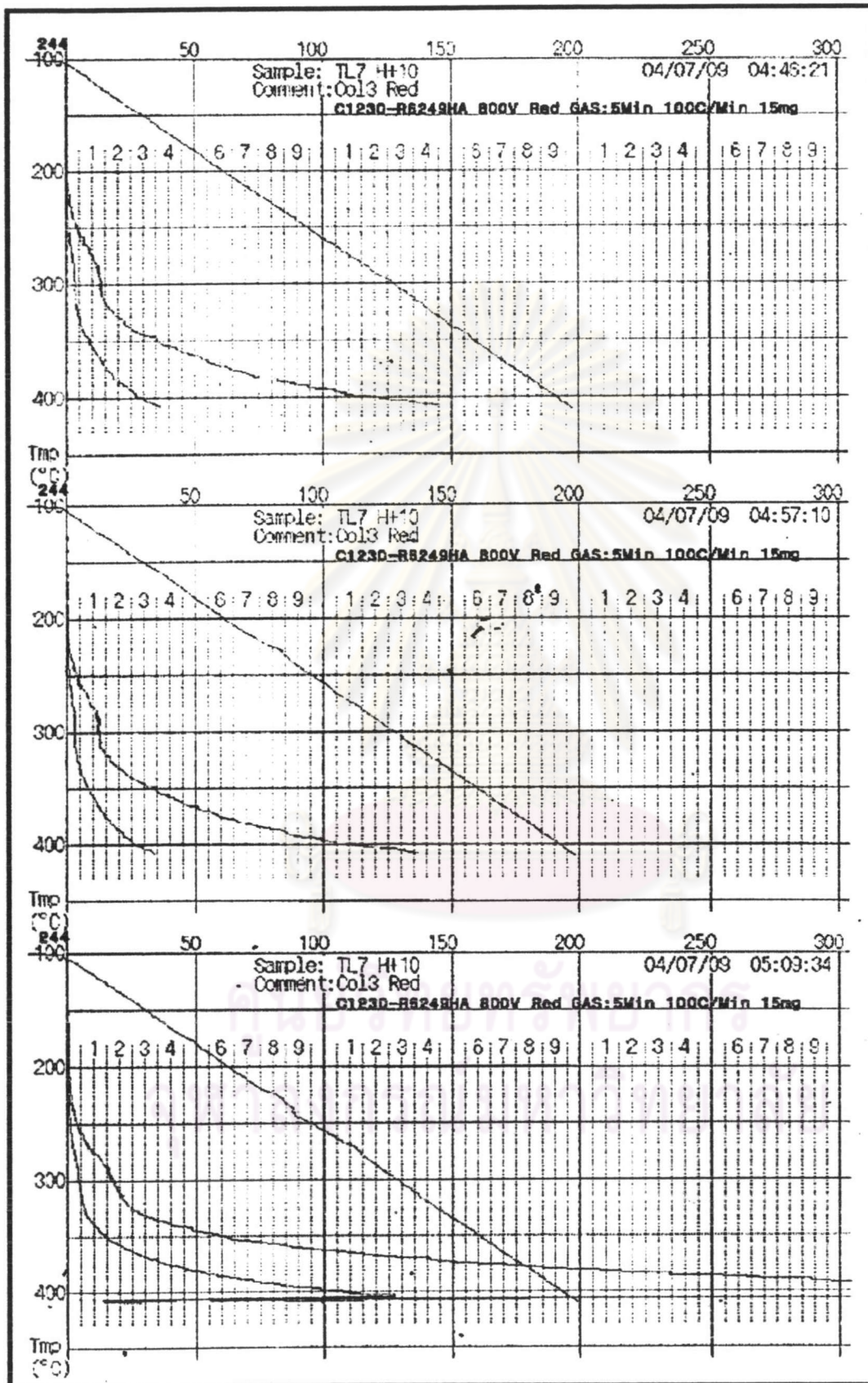
Sample	U (ppm.)	Th (ppm.)	K %	%W	Annual dose (mGy/yr)	Paleo dose (Gy)	Age (BP.)
TL06	3.42414	15.7787	1.7332	5	1.08	15.18	14055 ± 47

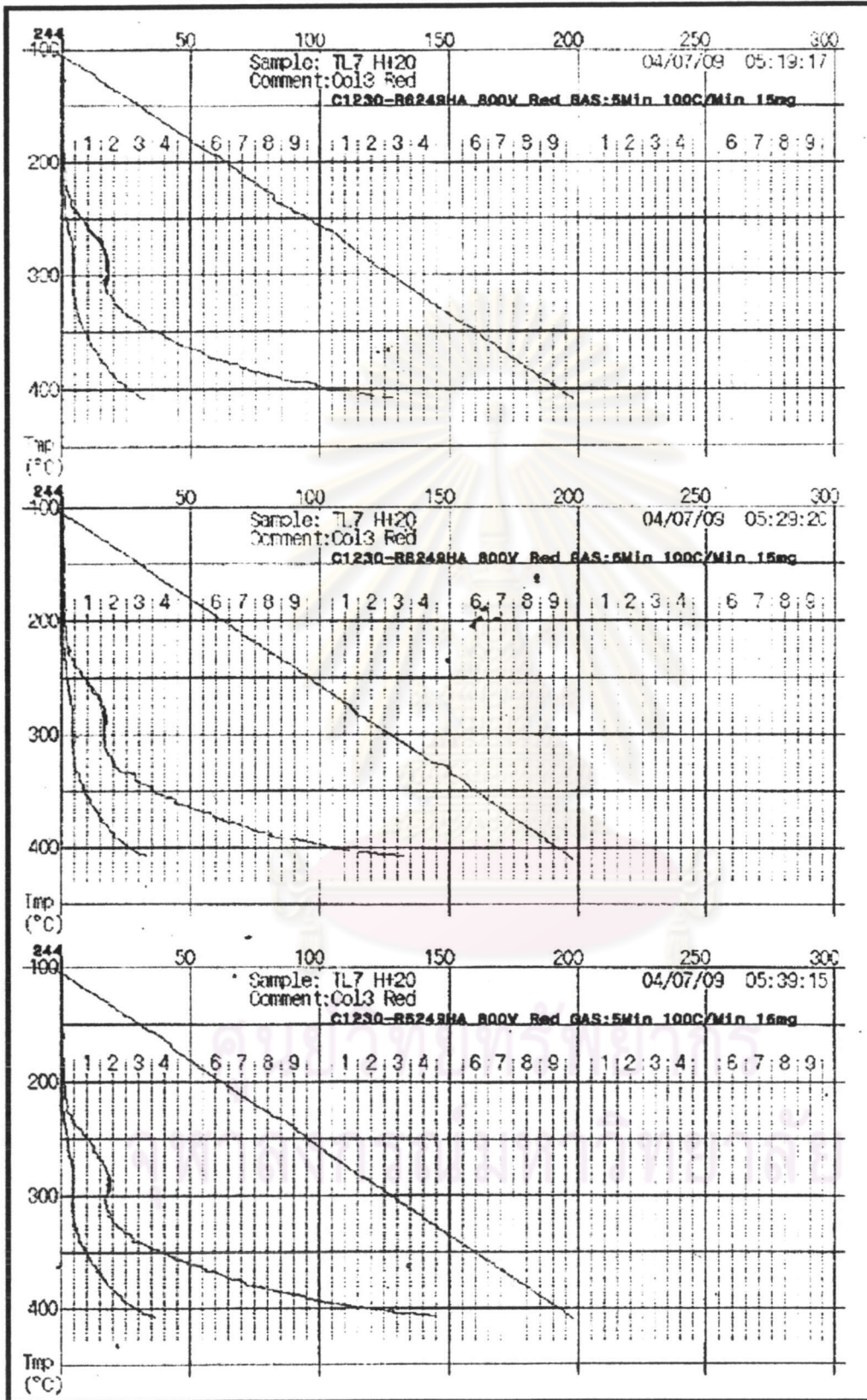


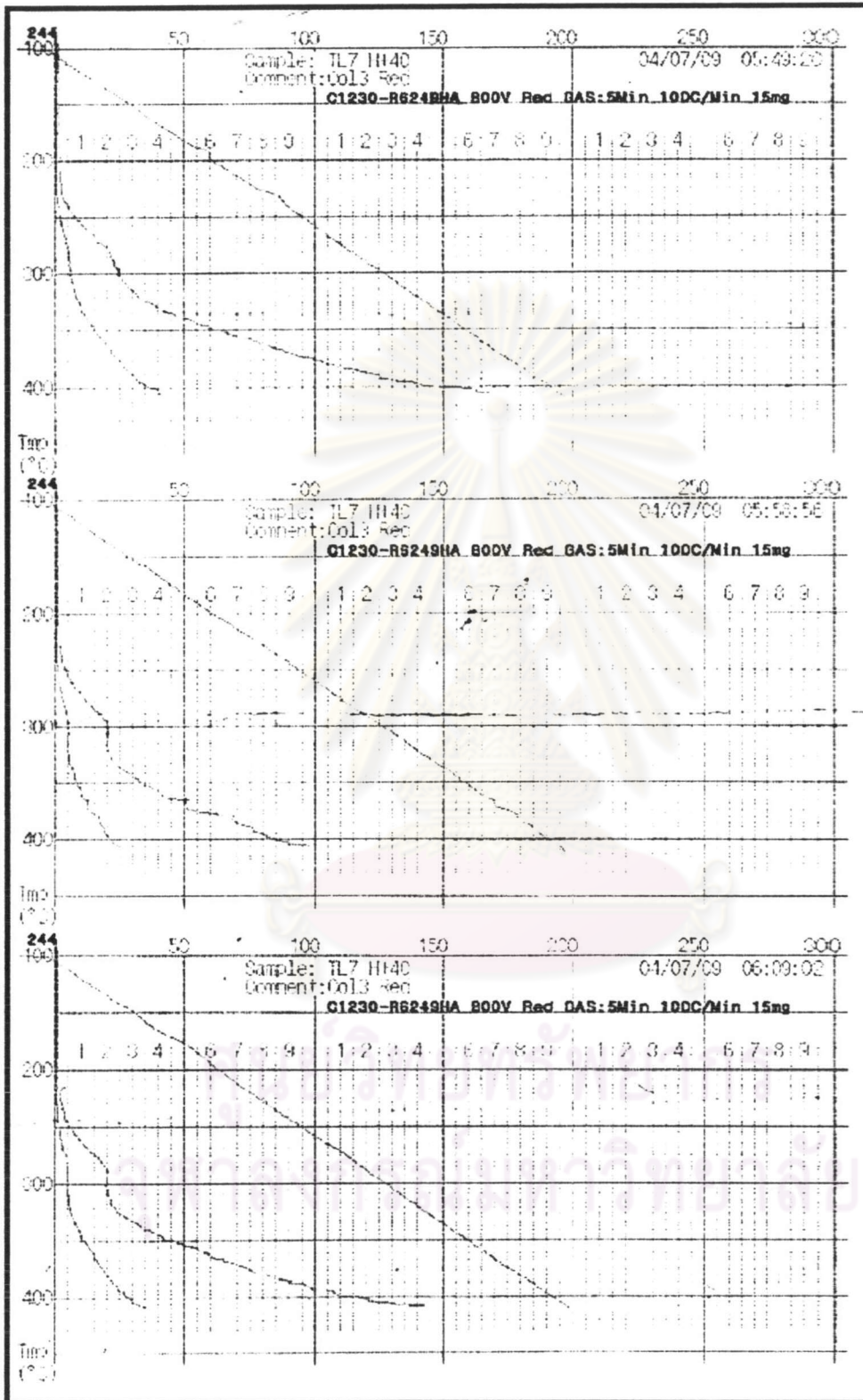
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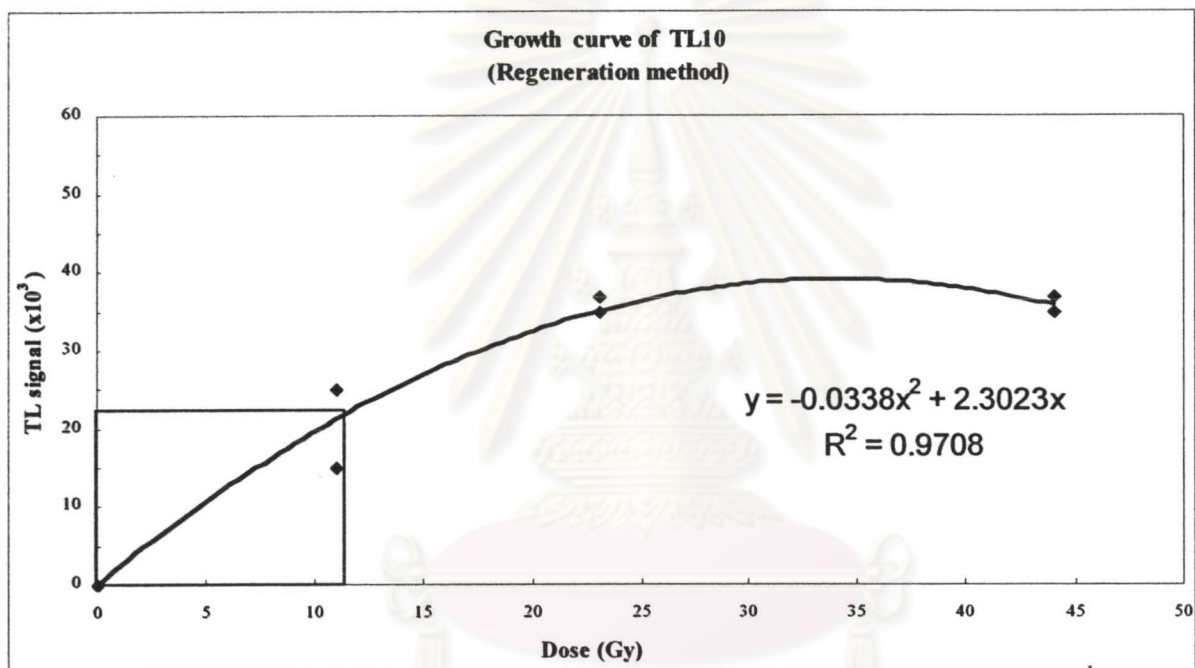




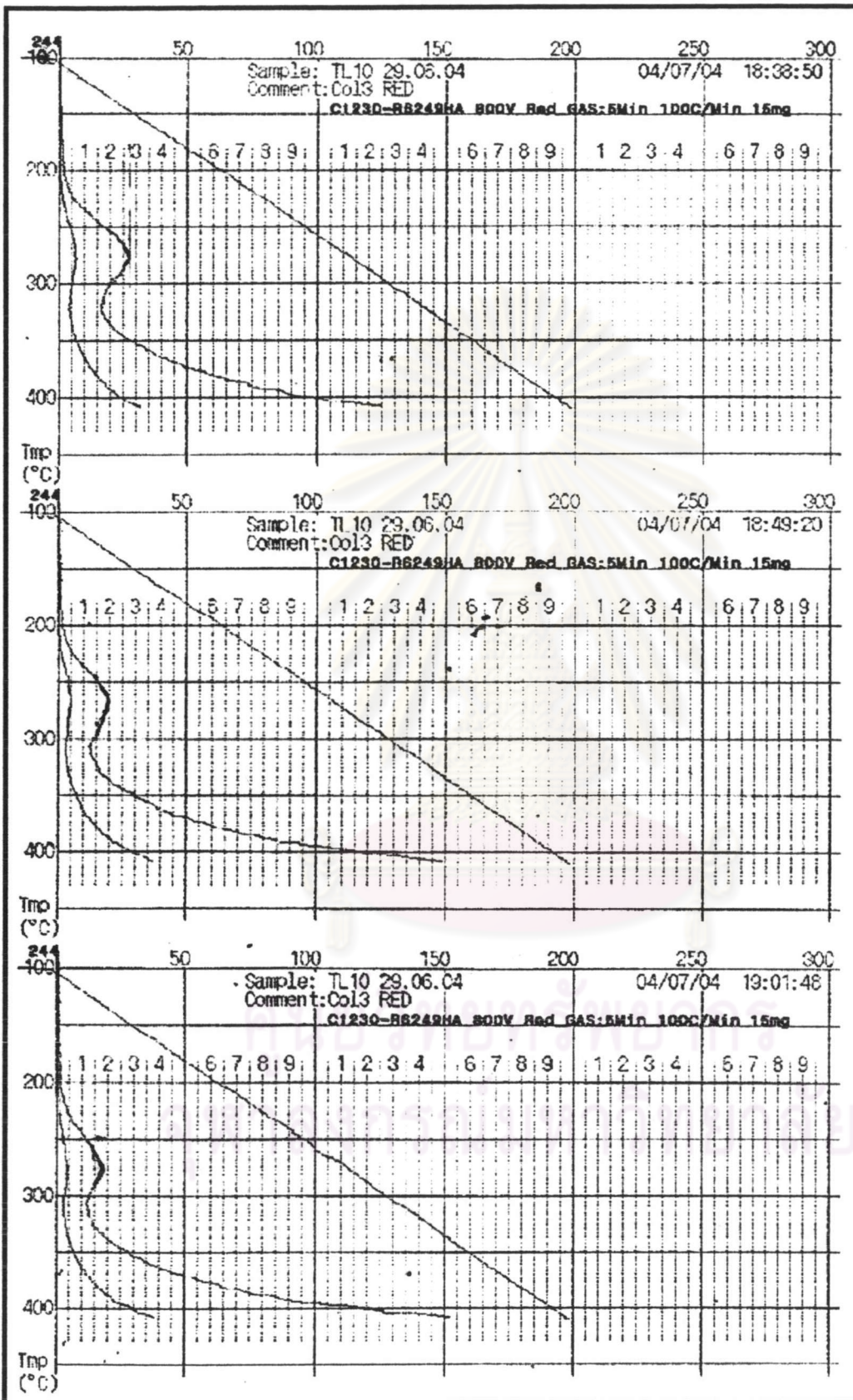


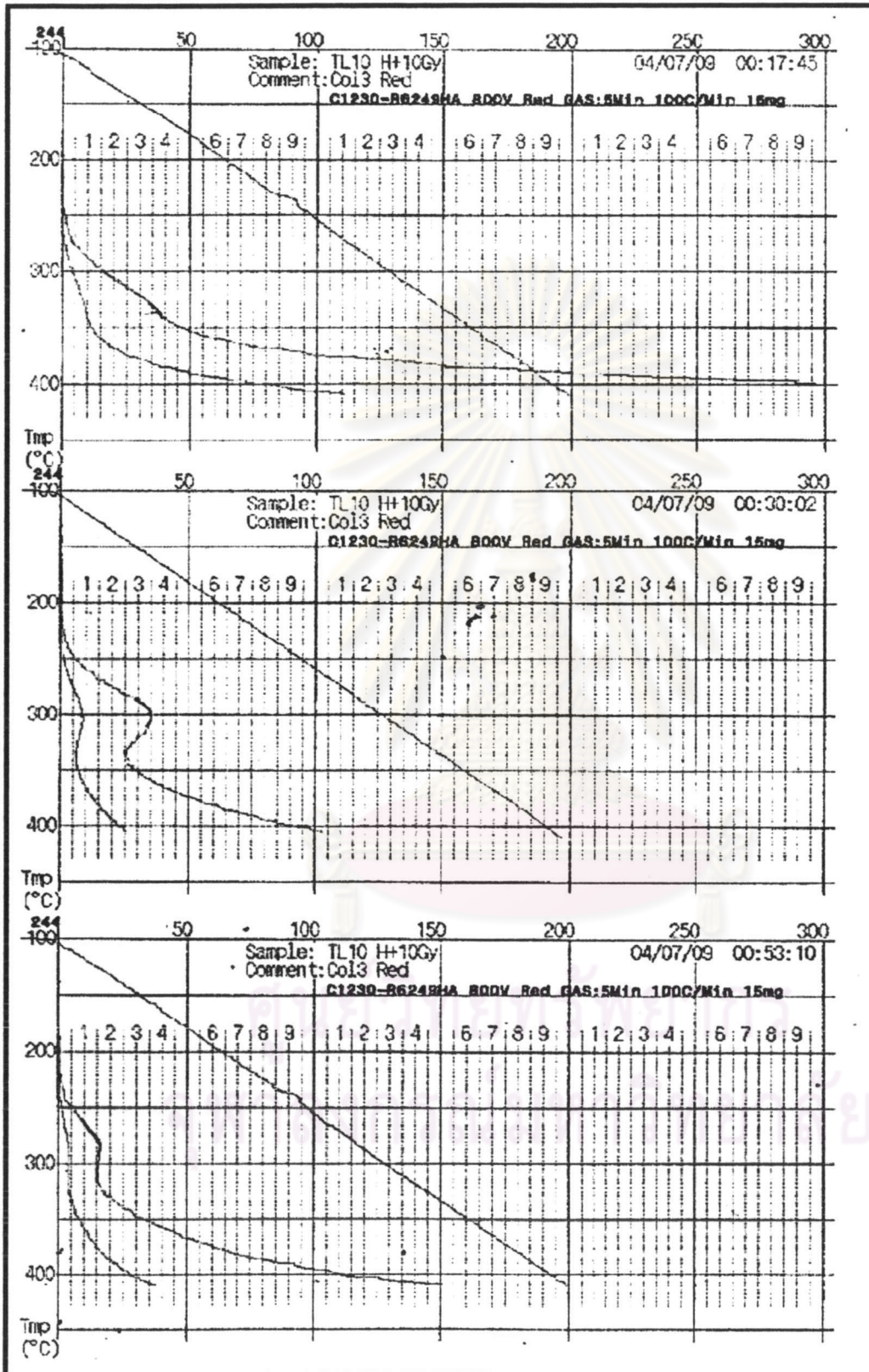
TL 10

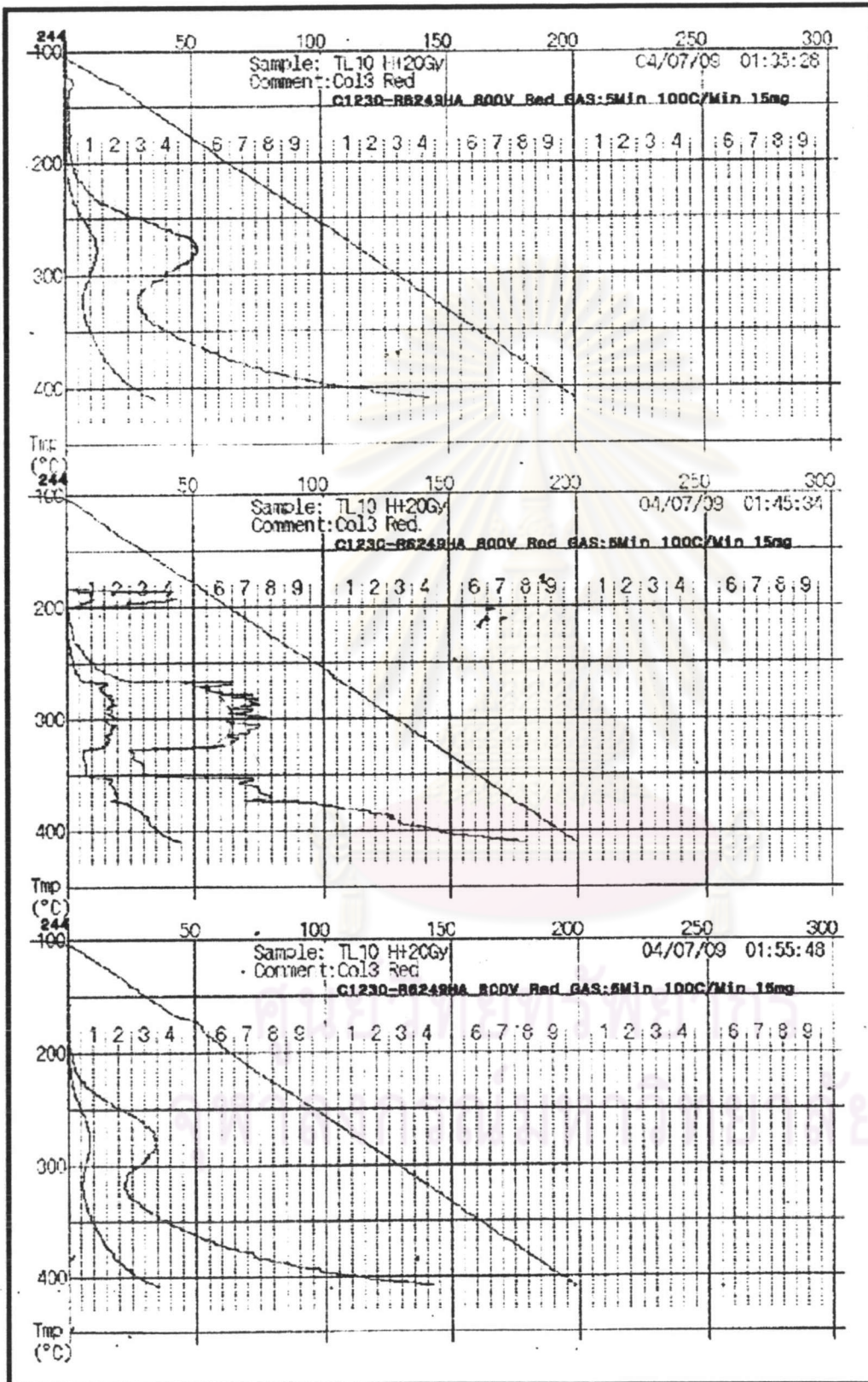
Sample	U (ppm.)	Th (ppm.)	K %	%W	Annual dose (mGy/yr)	Paleo dose (Gy)	Age (BP.)
TL10	0.837	1.95796	0.5248	4.1	0.378	12.24	32380 ± 292

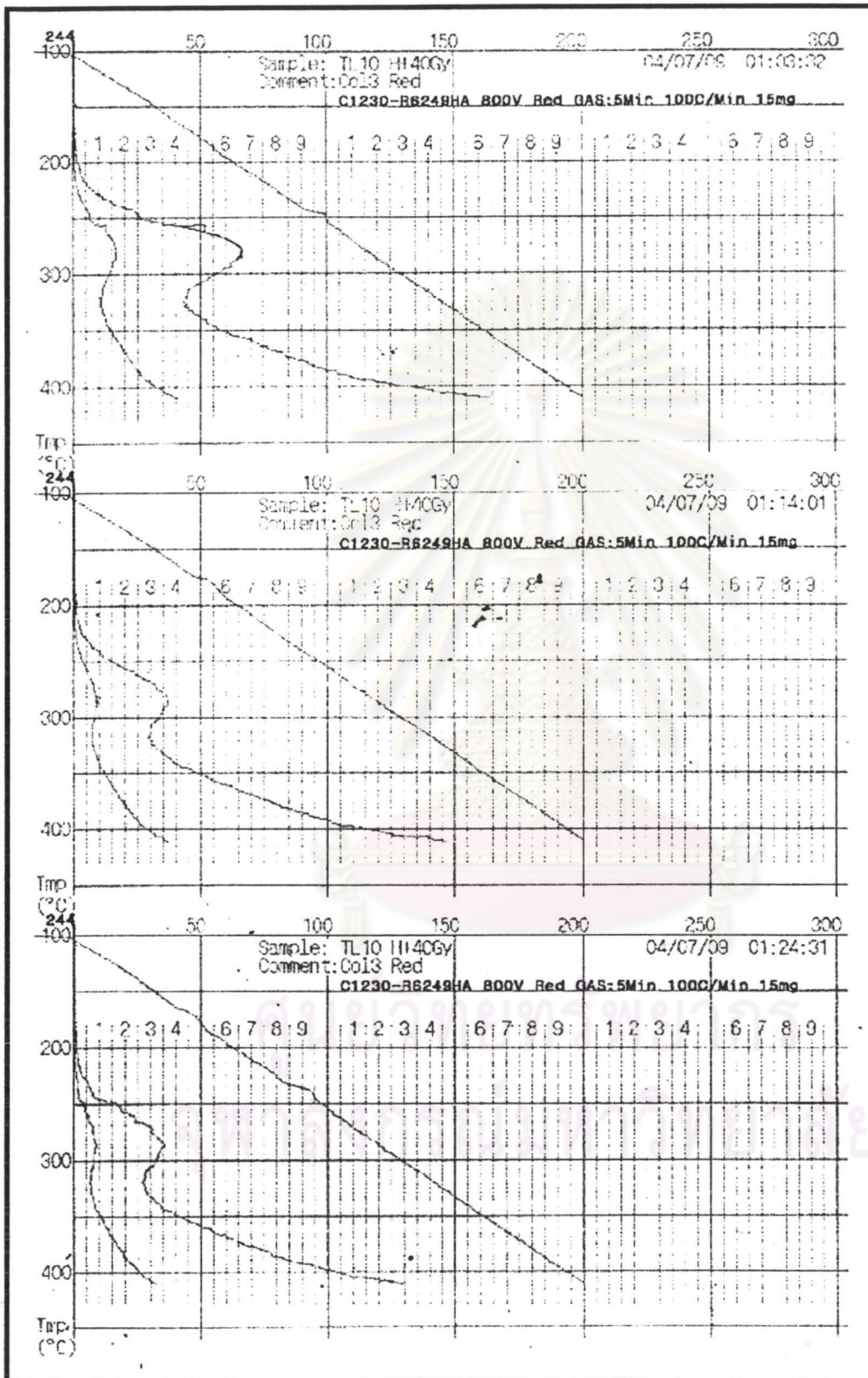


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จุฬาลงกรณ์มหาวิทยาลัย









BIOGRAPHY

Mr. Chawalit Khaokhiew was born in March 6, 1977, at Lampang Province. He graduated a bachelor degree in Geology, Department of Geotechnology, Faculty of Technology, Khon kaen university in 1998. Presently, he have scholarship from Department of Archaeology, Faculty of Archaeology, Silpakorn university for study in Master course in Earth Science Program and will start his present work in the form of lecture at there. He will success a M.Sc. degree in Earth Science Program, Department of Geology, Faculty of Science, Chulalongkorn university in the academic year of 2004.



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย