DAY 14 MONTH 09 YEAR 09 OBS-PC ST TMF/40 FMKTJW Ah HOW FOUND NEST

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	TD	GRID	MNK	SP	PT
Estrus													1	2									1								1				1		1										
5:45																																															
6:00																																															
6:15								X	X	X																			X													X		M/27	None	—	—
6:30								X	X	X																			X													X				—	—
6:45								X	X	X																			X													X				—	—
7:00								X	X	X																			X													X				—	—
7:15								X	X	X																			X													X				—	—
7:30										X																																X				CAF	YL
7:45										X																																X				"	"
8:00										X																																X		M/27		—	—
8:15								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X	N/26		FCP	UF
8:30								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X			FVA	RT
8:45								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X			CAF	YL
9:00								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
9:15								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X	N/26		—	—
9:30								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X	N/27		—	—
9:45								X		X		X											X	X	X				X		X	X			X	X	X	X			X	X	X	O/27		THV	THV
10:00								X		X	X	X											X	X	X				X		X	X			X	X	X	X			X	X	X			APH	RF
10:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
10:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
10:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
11:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
11:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
11:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
11:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
12:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
12:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
12:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
12:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	O/27	None	THV	THV
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	TD				
13:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	O/27	None	THV	THV
13:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	P/27		"	"
13:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	"		TRI	ML
13:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	P/27		COM	RF
14:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X				
14:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X				
14:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X				
14:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X				
15:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X				
15:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			COM	RF
15:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			"	"
15:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			"	"
16:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			—	—
16:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			FEX	YL
16:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			"	"
16:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X			"	"
17:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	O/27		—	—
17:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	P/28		CAF	YL
17:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	"		"	"
17:45	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	"		"	"
18:00	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	"	None	"	"
18:15	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	O/27	RDC	—	—
18:30	X	X	X		X	X		X		X	X	X	X	X	X								X	X	X				X		X	X			X	X	X	X			X	X	X	P/27	None	—	—
18:45																																															
19:00																																															
19:15																																															
19:30																																															
19:45																																															
20:00																																															
20:15																																															
20:30																																															
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	TD	GRID	MNK	SP	PT
Health	1	1	1		1	1		1		1	1	1											1	1	1				1		1	1			1	1	1	1			1	1	1				

COMMENTS

FOUND: C=calls, FT=checking fruit trees, FFT: waiting at fruit tree, N=nest PARTY COMPOSITION: X: present at that time; O = thought to be around

OTHERS: Write IDs in blank columns: HH, PE, UM-UH-UN, GD-GS-GG, MU-MX, AFF, AMM, JFF, JMM, IMM, IFF

PT: RF = ripe fruit, UF = unripe fruit, SD = seed, YL = young leaf, ML = mature leaf, FL = flower, WD = wood, RT = root, SL = soil, MT = meat

MNK: RDC= Red colobus, BWC= Black and white colobus, RDT= Red-tail monkey, BLU= Blue Monkey, MGB= Mangabey, BAB= Baboon

HEALTH: 1 = Healthy, 2 = Cold/cough, 3 = Diarrhoea, 4 = Wound (describe). ESTRUS: 1 = None, 2 = Partial, 3 = Full

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
612	OBS arrive		at nest site							
615	KK PG ES		AT	Eu	K/PG				∅	
630	KK PG ES		AT	Eu	"				∅	
645	KK PG ES		AT	Eu	"				∅	
700	KK PG ES		AT	Eu	"				∅	
709	Eu left her night nest.									
712	Distant calls heard from East, of K-14									
	and the focal IBS made waaos, and									
	at the sametime leaving their night nests									
715	KK PG ES		AT	Eu	K/PG					
730	KK PG ES		AT	Eu	K/PG	✓	CAF	ML	∅	
"	ES makes Vocal displays and Others didn't									
	respond and at the sametime he climbed									
	into CAF for feeding ML									
732	KK									
740	chimps separated									
745	ES			Eu	K/PG	✓	CAF	ML	∅	
759	ES left feeding CAF and started moving									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
730	ES	45s						None							Social excitement	g

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

TG → ① LR → ① WL → ① QT → ① AL

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: ~~F~~ M KJ TW FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
800	ES			EN	K/SG				⊘	
803	Distant Calls heard			from	West of K-14					
	and ES made Vocal displays									
804	ES made vocal displays and some LHs									
	from the Distant made pant-hoots.									
807	ES made non-Vocal displays and buttress									
	bangs									
809	ES feeding on Red soil from a fallen tree root									
812	ES EN	climbed into	FCP for	feeding	UF	and				
8	Joined	other IDs								
813	KK AT	Joined being	followed	by	KJ	TW.				
815	KK ES TJ	LR TG QT WL	LO QV TT AT WC	EN TS TD NP	QV BFA	✓	FCP	UF	⊘	
825	ES climbed	down from the	feeding tree	followed						
	by EN									
828	chimps	climbed into	FVA for	feeding	RF					
830	KK TJ ES	LR TG QT WL	LO QV TT AT WC	EN TS TD NP	QV BFA	✓	FVA	RF	⊘	
832	ES chased	TT in the	feeding	tree and	he					
	fled silent									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
803	ES	350s						None							Social Excitement	9
804	ES	858s						none							Social Excitement	9
807	ES		105s					none							Unknown	9
832	ES			25s				TT				✓			food Competition	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FMKJTWAG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
843	chimps climbed down from FNA									
844	KK approached ES and TJ Pant-grunt									PTG
	to him and he ignored									
845	KK ES TJ	LR TG QT WL	TT LO QV WC AT	EU TS TD NP	21/BFP	✓	CAF	YL	Ø	
853	ES playing with TS by biting each other									AP
900	KK ES TJ	LR TG QT WL	TT LO QV WC AT	EU TS TD NP	5/KRD				Ø	
906	EU grooming ES									
915	KK ES TJ	LR QT TG WL	TT AT QV LO WC	EU TS NP TD	5/KRD				Ø	
918	EU grooming ES									
918	NP grooming KK									
919	KK approach ES and TJ, ES made Pant-grunt									PTG
	TJ fled making Pant-barks.									
920	TT made attack (1) to NP with a kick and									
	she screamed retaliated by biting TT and									
	TT fled screaming									
923	KK feeding on black soil from the ground top									
930	KK ES TJ	LR TG QT WL	TT LO QV WC AT	EU NP TS TD	10/KRD				Ø	
930	ES made vocal displays and buttress bungs									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
920	TT				✓			NP				✓	✓		Unknown	T
930	ES	6sec														
								None							Unknown	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AC FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
931	KK made vocal displays and buttress									
	bungs and other IDs made pant-hoots									
932	KK made vocal displays and other IDs									
	made pant-barks									
932	KK feeding on MAE RF And Others feed THV									
944	KK made vocal displays and buttress bungs									
	and other individuals made waars.									
945	KK TJ ES	TG LR QT WL	WC QV AT TT LO	NP EU TS FD	19/19	✓	THV	THV	∅	
949	TJ made vocal displays and buttress bungs									
	and other individuals made pant-hoots									
950	TJ made vocal displays and buttress bungs									
	and other individuals waars and pant-hoots									
956	ES made non-vocal displays. Others didn't respond									
958	Chimps climbed into APH for feeding without									
	making any calls joining PB									
1000	KK TJ ES	TG LR QT WL			17/19	✓	APH	RF	∅	
1006	someone chased PB in the feeding tree and he									
	fled screaming									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
931	KK	5sec						None							Unknown	9
932	KK	5sec						None							Unknown	9
944	KK	6sec						none							Unknown	9
950	TJ	4sec						none							Unknown	9

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

BL → ① Bu → ②

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FMKTTWAL FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1009	ES made non-vocal displays chased TT									
1009	Distant calls heard from East of Nyakagera some TDS left the tree									
1012	Other IDs joined the party, ES chased Bo									
	and he fled screaming									
1012	MS BB made joint vocal displays PB fled									
	making waar-barks climbing a tree.									
1013	KK made non vocal displays and ground									
	slapping BB MS avoided casual silent									
1014	ES made vocal displays chased Bu and									
	she fled screaming climbing a tree and ST, TU									
	made vocal displays then BL fled screa-									
	ming									
1015	MS KK BB TU LK AT WL BO AT TT ST ES PB TU AT BL BU TG. OW WC LO			NP EU TS TD	17/19				∅	
1022	ES inspected Bu by touching on her estrous									
	and smelling on the fingers then Bu groom ES									
1022	ST grooming KK									
1023	KK grooming ST									
1024	ES grooming Bu									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1009																

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KJ TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1025	TU grooming KK									
1028	KK grooming TU.									
1029	BO playing with AP by wrestling and bite									
1030	KK MS BB AT TU ST ES ET PB	BL TG QT LR Bu WL	AT TT LO WC QV BO	NP Eu TS TD	1g OLT				Ø	
1031	KK approach and inspected BL by smelling on her estrous,									
1032	AT inspected BL by smelling on her estrous.									
1034	Copulation male approach TT → Bu 6sec no dart no scream TT inspected Bu after by smelling on estrous									CP
1035	Copulation male approach AT → Bu 3sec									CP
1036	KK mount MS while MS was making soft screams									
1037	Eu NP were playing then they played badly Eu made screams and ES made non-vocal displays pulled a stick chased NP who fled silent and ES continued making NVD chased PB and he fled screaming. QT avoided Pant-barking climbing up.									
1040	KK grooming AT									
"	LR grooming BB									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1037	ES		8sec	3sec				NP		F					Protection	g
1037	ES			6sec				PB		F		✓		✓	Protection	g

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1034	6sec	Bu	TT	No	No	No	No	TT	
1035	3sec	Bu	AT	No	No	No	No	AT	

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1045	MS KK BB AJ TU ST PB ES TJ	BL LR QT WL BU TG	AT TT QV WC BO LO	NP EU TS TD	1g/OLT				Ø	
"	KK grooming		BB							
1050	PB feeding on		TRI YL							
1100	MS KK AJ BB TU ST PB ES TJ	BL LR QT WL BU TG	AT TT BO WC QV LO	NP EU TS TD	1g/OLT				Ø	
1105	MS grooming		KK.							
1109	KK grooming		AJ							
1112	AJ grooming		KK.							
1115	MS KK BB AJ TU ST PB ES TJ	BL LR QT WL BU TG	AT TT BO WC QV LO	NP EU TS TD	1g/OLT				Ø	
"	chain groom		AJ → KK → MS							
1122	WL grooming		AJ							
1125	chimps made pant-hoots, then ES made vocal									
	displays chased BL who fled screaming climbing									
	a tree and ES continued displaying and made									
	buttress bungs.									
1127	Handclasp Mutual grooming KK ↔ MS									Hcg
1129	mutual grooming after handclasp KK ↔ MS									
1130	MS BB KK AJ TU ST PB ES TJ	BL LR QT WL BU TG	AT TT BO WC QV LO	NP EU TS TD	1g/OLT				Ø	
1130	MS and AJ both grooming KK									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1025	ES															

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FmKT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1131	Handclasp Mutual groom KK ⇄ AJ									Hcg
1134	LR approach and groom TU.									
1134	MS and AJ both groom KK									
1137	TU grooming ST									
1137	Hand clasp Mutual groom PB ⇄ Bu									Hcg
1137	NP grooming Eu									
1138	PB grooming Bu after handclasp									
1138	Handclasp Mutual groom KK ⇄ MS									Hcg
1139	KK grooming MS after handclasp.									
x 1139	~~Hm groom~~ Handclasp Mutual						PB ⇄ Bu			Hcg
1140	Handclasp Mutual groom LR ⇄ TU									Hcg
1141	LR grooming TU after handclasp.									
1141	Bu grooming PB after handclasp									
1142	TU grooming LR									
1144	ST grooming TU.									
1145	MS BB KR AJ TU ST PB ES TJ	BL LR GJ WL BU TG	AT TT BO WC QV LO	NP EU TS TD	1g/OLT				Ø	
"	BB and KK both groom MS									
1146	KK grooming AJ									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1146	MS grooming BB									
1147	MS feeding on ANT YL									
1150	@ some IDS feeding in THV									
1152	TU grooming MS									
1153	MS leaf grooming for 20sec, before he was									
	being groomed and after he was groomed									
1156	MS grooming TU									
1159	BL approach pant grunt to AJ and AJ groomed her									
"	Chain groom MS → TU → ST									
1200	MS KK BB AJ ST TU PB ES TJ	BL TG LR QT WL Bu	BO AT TT LO QV WC	NP EU TS TD	19/OLT				∅	
"	Handclasp Mutual groom ST ⇄ TU ← MS									Hcg
1201	TU grooming MS									
1202	MS grooming ST									
1203	Chain groom MS → ST → TU									
1204	MS and TU both grooming ST									
1205	Handclasp Mutual groom BB ⇄ KK									Hcg
1206	TU grooming MS									
1207	KK grooming BB after handclasp									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1208	T9 approach pant-grunt to KK and he ignored									
1211	MS moved the T9 pant-grunted to him and he ignored									PTG
1213	MS Mount T9 and she groomed him.									
1213	KK approach ES and he pant-grunted to him									
	and KK ignored									
1214	BB grooming ST.									
"	KK grooming TU.									
1215	KK MS AJ BB BL T9 LR TU ST PB ES TJ BT WL BM	QY AT ... TT WC LO BO	NP TS	EM TD	19/0L				∅	
1215	Handclasp mutual groom ST ⟺ BB									Hcg
"	Handclasp mutual groom MS ⟺ T9									Hcg
1216	T9 grooming MS after handclasp									
1216	BB grooming ST after handclasp.									
1218	TT made attack (1) to BO with kicks and slaps									
	then BO made screams retaliated by chasing TT									
	who fled silent									
1221	ST grooming BB									
1222	someone made screams in a dense view, then									
	KK made non-vocal displays and some ID made pant-barks.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK — **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**: elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: Em KT TW Ah FOUND: _____

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1223	BB grooming ST									
1230	MS KK BB AJ TU ST PB ES TJ	BL TG LR QT WL BU	BO LO AT TT QV WC	NP EU TS TD	19/OLT				∅	
1232	MS grooming TG									
1233	ES inspect TG by touching and smelling on estrous									
1240	Chimps feeding in THV.									
1245	MS KK AJ ST BB TU PB ES TJ	BL TG LR QT WL BU	BO LO AT QV WC TT	NP EU TS TD	17/OLT	✓	THV	THV	∅	
1249	WL approach pant-grunt to BB and he ignored									PTG
1300	MS KK BB AJ ST TU ES PB TJ	BL LR TG QT WL BU	BO AT TT QV WC LO	NP EU TS TD	17/OLT	✓	CAF THV	YL THV	∅	
1301	MS made non-vocal displays PB and ES fled pant-barking									
"	ES made non-Vocal displays chased WL and she fled screaming									
1313	ST grooming BB									
1315	MS KK BB AJ ST TU PB ES TJ	BL TG LR QT WL BU	BO AT TT QV WC LO	NP EU TS TD	400/OLT	✓	THV	THV	∅	
1329	MS feeding TRI YL.									
1330	MS KK BB AJ ST TU PB ES TJ	BL LR TG QT WL BU	BO AT TT QV WC LO	NP EU TS TD	c/400	✓	TRI	YL	∅	
1332	ES BB MS KK made joint vocal displays TG fled pant barking climbing a tree									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1333	BB made non-Vocal display chased ST									
	and he fled screaming									
1341	ES made vocal displays and buttress bungs									
1342	~~AT chased~~ clumps climbed into COM for feeding making									
	food barks.									FBK
1345	KK MS BB AT ST TU PB ES TJ	BL TG LR QT WL BU	BO LO AT TT QV WC	NP EU TS TD	C/800	✓	COM	RF	Ø	
1400	KK MS BB AT ST TU PB ES TJ	BL TG LR QT WL BU	BO LO AT TT QV WC	NP EU TS TD	"	✓	"	"	Ø	
1415	KK MS BB AT ST TU PB ES TJ	BL TG LR QT WL BU	BO LO AT TT QV WC	NP EU TS TD	"	✓	"	"	Ø	
1430	KK MS BB AT TU ST PB ES TJ	BL TG LR QT WL BU	BO LO AT TT QV WC	NP E TS TD	"	✓	"	"	Ø	
1431	some IDs climbed down from COM									
1445	KK MS BB AT TU ST PB ES TJ	BL LR TG QT WL BU	BO LO AT TT QV WC	NP TS EU TD	C/800	✓	COM	RF	Ø	
1447	KK made non-vocal displays and buttress									
	bungs, PB and TJ fled pant-barking.									
1448	PB feeding on brown soil from a ground hole.									SOIL
1500	KK MS BB AT ST TU PB ES TJ	BL LR TG QT WL BU	BO LO AT TT QV WC	NP EU TS TD	C/800	✓	ANI COM	FL RF	Ø	
1515	KK MS BB AT ST TU PB ES TJ	BL LR TG QT WL BU	BO LO AT TT QV WC	NP EU TS TD	C/800	✓	ANI COM	FL RF	Ø	
1518	MS playing with TT MS biting TT									AP
1522	LR grooming LO.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1333	BB		3sec	8sec				ST		F		✓			Unknown	g
x 1341	ES															
1447	KK		6sec					PB TJ		F		✓			Social excitement	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

1450 LR QT BL WL PB NP feeding on ANI FL

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KT TW AG FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1530	KL MS BB AJ ST TU PB ES TJ	BL LR TG QT WL BN	BO LO TT AT QV WC	NP EN TS TD	C/SO	✓	~~AN~~ COM	FL RF	✓	
1534	chimps	climbed down	from		A	~~H~~	TRI			
1545	KL MS BB AJ TU ST PB ES TJ	BL LR TG QT WL BN	BO LO TT AT QV WC	NP EN TS TD	C/SO	✓	COM	RF	✓	
1547	LR	playing	with	TT by touching	and bite					AP
1600	KL MS BB AJ TU ST PB ES TJ	BL LR TG QT WL BN	BO LO TT AT QV WC	NP EN TS TD	C/SO				✓	
1606	KL	Makes	non Vocal	displays	and	groomed				
	slapping	and	buttress	bang	TJ	avoid	Casual			
	Pant-banging	and	at	the	same	time	ES	made		
	Non-Vocal	displays	chased	BO	and	BO	fled			
	Screaming									
1611	AJ	approached	BL	the	Pant-grunted					PIG
	and	Presented	then	AJ	inspected	by	touching			
	her	estrous	and	groomed	her					
1614	chimps	climbed	into	FIG	making	food	barks			FBK
1615	MS KL BB AJ TU ST PB ES TJ	BL LR TG QT WL BN	BO LO TT AT QV WC	NP EN TS TD	C/600	✓	FIG	YL	✓	
"	AT	made	attack (1)	to	BO	with	kicks	and	slaps	
	BO	retaliated	by	exchanging	slaps	with	AT	while		
	screaming	then	BL	made	wave-	barks	AT	fled	silent	

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
1606	KL		55sec					TJ		C		✓			Unknown	G
1606	ES															
1615	AT				✓			BO					✓		Unknown	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: FM KJ TW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1628	Someone was chased in a feeding tree and									
	he fled screaming and others made pant-barks									
1630	KK MS BB AJ TU ST PB ES TJ	BL TG LR QT WL BU	BO TT AT LO QV WC	NP EU TS TD	C/600	✓	FEX	YL	∅	
1645	MS KK BB AJ ST TU PB ES TJ	BL TG LR QT WL BU	BO AT TT LO QV WC	NP EU TS TD	C/600	✓	FEX	YL	∅	
1652	MS AT drink water from the stream									DR
1655	chimps climbed down from FEX									
1658	ST BL BO drink water from stream									DR
1700	MS KK BB AJ TU ST PB ES TJ	BL TG LR QT WL BU	BO AT TT LO QV WC	NP EU TS TD	C/600				∅	
1701	AT ES drink water from the stream									DR
1708	MS feeding CAF YL									
1715	MS KK BB AJ TU ST PB ES TJ	BL TG LR QT WL BU	BO AT TT LO QV WC	NP EU TS TD	600/OLT	✓	CAF	YL	∅	
1730	MS KK BB AJ ST TU PB ES TJ	BL TG LR QT WL BU	BO AT TT LO QV WC	NP EU TS TD	"	✓	CAF	YL	∅	
1744	MS TU feeding on red soil from the tree roots									SOIL
1745	MS KK BB AJ ST TU PB ES TJ	BL LR TG QT WL BU	BO AT TT LO QV WC	NP EU TS TD	600/OLT	✓	CAF	YL	∅	
1800	MS KK BB AJ ST TU PB ES TJ	BL LR TG QT WL BU	BO AT TT LO QV WC	NP EU TS TD	600/OLT	✓	CAF	YL	∅	
1807	ES made vocal displays TT responded with									
	pant-hoots									
1815	MS KK BB AJ ST TU PB ES TJ	BL LR TG QT WL BU	BO AT TT LO QV WC	NP EU TS TD	400/OLT					RDe

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 14 MONTH: 09 YEAR: 09 KPC: ST OTHERS: ~~TB~~ FM KTTW AG FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1824	KK makes vocal displays and ES avoid casual pant-barking									
1828	LR feeding on Red soil from the roots									SOL
1830	MS KK BB AJ ST TU PB ES TT	BL TG LR QT WL Bu	AT TT BO LO QV WC	NP Eu TS TD	C/400				Ø	
1831	KK makes vocal displays ST fled silent climbing trees.									
1832	MS makes a night nest, Tree of nest, UVA, Height 12m DBH =24									
1833	ST makes a night nest, Tree of nest UVA, Height 8m DBH 14cm									
1834	AJ makes a night nest, Tree of nest UVA Height 7m DBH 14m									
1835	LR makes a night nest, Tree of nest UVA Height 14m									
187	ES makes a night nest, Tree of nest UVA, Height 12m DBH 16cm									
1840	~~BBS~~ makes a night nest tree UVA, Height 6m DBH 13cm.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)