DAY 29 MONTH OCT YEAR 2004 OBS-PC KJ TMF/40 SM/C RJ KP HOW FOUND N

	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	GRID	MNK	SP	PT
5:45																																														
6:00																																														
6:15																																														
6:30									X																																		M1:27		ECP	RF
6:45									X																																				ECP	RF
7:00									X																																				FCP	RF
7:15									X																																			RDT	FCX	RF
7:30									X																																			"	FCX	RF
7:45									X																																			"	FCX	RF
8:00									X																																				—	—
8:15									X																																				—	—
8:30									X																																				—	—
8:45									X																																				—	—
9:00									X																																		M1:27		—	—
9:15									X																																		L1:27		—	—
9:30									X																																		M1:26		CAF	YL
9:45									X																																				CAF	YL
10:00									X																																			RDT	FCP	UF
10:15									X																																			RDT	FCP	UF
10:30									X																																		M1:26		—	—
10:45									X																										X	X	X						L1:25		—	—
11:00									X																										X	X	X							MGB	ENA	RF
11:15									X																										X	X	X							"		
11:30									X																										X	X	X							"		
11:45									X																										X	X	X							"		
12:00									X																										X	X	X							"	↓	↓
12:15									X																										X	X	X							"	ENA	RF
12:30									X																										X	X	X							"	—	—
12:45									X																										X	X	X							"	—	—
	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				
13:00									X																										X	X	X						Y	MGB	AFR	PITH
13:15									X																										X	X	X						L1:25		THV	THV
13:30									X																										X	X	X						L1:26		—	—
13:45									X																										X	X	X								FDA	RF
14:00									X																										X	X	X								FDA	RF
14:15									X																										X	X	X								CAF	YL
14:30									X																										X	X	X								CAF	YL
14:45									X																										X	X	X								CAF	YL
15:00									X																										X	X	X								—	—
15:15									X																										X	X	X								THV	THV
15:30									X																										X	X	X								THV	THV
15:45									X																										X	X	X						↓		CAF	YL
16:00									X																										X	X	X						L1:26		AFR	PITH
16:15									X																																		M1:27		—	—
16:30									X																																				FCP	RF
16:45									X																																				FCP	RF
17:00									X																																				FCP	RF
17:15									X																																				—	—
17:30									X																																				—	—
17:45									X																																				—	—
18:00									X																																			↓	—	—
18:15									X																																			M1:27	—	—
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	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	GRID	MNK	SP	PT
Health									2																										1	1	1									

COMMENTS PG was heard sneezing.

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

GPS B

KPC BEHAVIOUR

RD①

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KJ OTHERS: SMICKP FOUND: N

Time	Party Composition AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
622	Obs arrived at the nesting site and									
	found chimps in their nests.									
624	PG leaving the night nest									
625	RD leaving the night nest, she made									
	pant grunts before PG who ignored her.									
628	Chimps climbed into FCP and started									
	feeding on RF silently.									
630	PG	RD			S/TG	✓	FCP	RF	∅	
645	PG	RD			"	✓	FCP	RF	∅	
700	PG	RD			"	✓	FCP	RF	∅	
705	PG coming down from FCP									
710	PG climbed into FEX, RD stayed behind.									
715	PG				S/TG	✓	FEX	RF	RDT	
730	PG				"	✓	FEX	RF	RDT	
745	PG				"	✓	FEX	RF	RDT	
751	PG coming out of FEX.									
752	PG entered into an old nest in CAF									
	at 28 metres high.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack Duration	1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/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: 29 MONTH: OCT YEAR: 2009 KPC: KJ OTHERS: SM BB KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
800	PG				S KTO				∅	
815	PG				11				∅	
830	PG				11				∅	
845	PG				11				∅	
857	PG comming out of the day nest.									
900	PG				S KTO				∅	
904	PG crossed over to FEX and started feeding									
	on RF.									
911	PG comming down from				FEX.					
915	PG				29 C				∅	
919	PG feeding on HOP RF.									
923	PG feeding on CAF 4L.									
930	PG				B2 28	✓	CAF	4L	∅	
945	PG				11	✓	CAF	4L	∅	
955	it started drizzling									RN
956	PG climbed into FEX at B27 and									
	started feeding on un ripe fruits.									

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		

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

WL, QT,

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KT OTHERS: SM RJ KP FOUND: M

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1000	PG				B/27	✓	FCP	WF	RDT	
1005	PG was heard sneezing.									
1008	It stopped raining.									
1015	PG				B/27	✓	FCP	WF	RDT	
1025	PG coming down from FCP.									
1028	PG eating clay soil from the roots of a fallen tree									SL
1030	PG				U/27				Ø	
1032	PG made vocal displays. no response from any where.									
1034	PG joined WL and QT families at 26/T, PG made non vocal displays WL & QT with their mtants made pant barks.									
1036	WL and QT made pant grunts to PG then WL presented before him, PG ignored her.									PTG
1037	WL approached PG pant grunting and groomed him.									PTG
1039	Both WL & QT are grooming PG.									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1032	PG	6sec						NONE							Un Known	G
1034	PG		55ec					NONE							Re-union	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: 29 MONTH: OCT YEAR: 2009 KPC: KJ OTHERS: SM RJ KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1044	Hand clasp		mutual groom		PG ⇔ WL					HCG
1045	PG	WL OT	WC OV		I/26				G	
"	WL grooming PG after hand clasp.									
1048	PG approached OT who made pant grunts									PTG
	before him and groomed him.									
1049	Both WL and OT are grooming PG.									
1050	chain groom		OT → PG → WL							
1053	OT grooming		PG.							
1100	PG	WL OT	WC OV		I/26	V	FNA	RF	MGB	
1115	PG	WL OT	WC OV		"	V	FNA	RF	"	
1122	OT grooming		PG							
1123	PG grooming		OT							
1124	mutual groom		PG ⇔ OT							
1130	PG	WL OT	WC OV		I/26	V	FNA	RF	MGB	
1131	PG being groomed by OT									
1134	mutual groom		PG ⇔ OT							
1136	OT grooming		PG							

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		

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; **O**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KJ OTHERS: SM RJ KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1139	chain	groom	OT → PG → WL		.					
1140	OT	grooming	PG.							
1145	PG	WL OT	WC OV		T/26	✓	FNA	RF	MGB	
1200	PG	WL OT	WC OV		〃	✓	FNA	RF	〃	
1215	PG	WL OT	OV WC		〃	✓	FNA	RF	〃	
1219	PG	coming	out of	FNA.						
1221	OT	grooming	PG							
1230	PG	WL OT	OV WC		T/26				MGB	
1232	PG	grooming	OT.							
1233	WL	approached	PG	pant grunting, PG groomed her.						PTG
1234	chain	groom	OT → PG → WL							
1235	OT	grooming	PG							
1237	WL	grooming	PG.							
1241	Hand	clasp	mutual groom	PG ↔ WL						HCG
1244	WL	grooming	PG	after hand clasp.						
1245	PG	WL OT	WC OV		T/26				MGB	
1246	PG	grooming	WL							

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		

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: 29 MONTH: OCT YEAR: 2004 KPC: KJ OTHERS: SM RJ KP FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1247	WL grooming PG.									
1258	chimps started feeding on AFR						PITH	-		
1300	PG	WL QT	WC QV		T/27	V	AFR	PTH	MGB	
1312	PG feeding FFANS WL.									
1315	PG	WL QT	WC QV		I/28	V	THV	THV	Ø	
1329	WL grooming PG.									
1330	PG	WL QT	WC QV		T/28				Ø	
1331	PG feeding on MYR									
1334	chimps climbed into FDA and started									
	feeding on RF									
1345	PG	WL QT	WC QV		T/28	V	FDA	RF	Ø	
1353	PG coming down from FDA.									
1355	PG feeding on AFR PITH.									
1400	PG	WL QT	WC QV		I/28	V	TTO FDA	WL RF	Ø	
1408	PG charged and chased QT who fled									
	screaming, WL fled pant barking then									
	PG supplanted QT.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA Duration	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1408	PG			3sec				QT		F		V			Food competition	T

Copulations

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

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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1405-WL and QT climbed into CRF

KPC BEHAVIOUR

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KJ OTHERS: SM RJ KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1415	PG	WL OT	WC OV		29 Log	✓	CAF	YL	ϕ	
1430	PG	WL OT	WC OV		"	✓	CAF	YL	ϕ	
1440	OT grooming	OV								
1445	PG	WL OT	WC OV		"	✓	CAF	YL	ϕ	
1454	OT playing with OV by tickling									AP
1500	PG	WL OT	WC OV		29 Log				ϕ	
1501	PG grooming OT									
1502	mutual groom PG ← → OT									
1503	OT grooming PG									
1504	Hand clasp mutual groom OT ← → PG									HCG
1505	OT grooming PG after hand clasp.									
1508	WL feeding on THV									
1512	Hand clasp mutual groom OT ← → PG									HCG
1514	OT grooming PG after hand clasp.									
1515	PG	WL OT	OV WC		29 Log	✓	THV	THV	ϕ	
1517	PG and OT also started feeding on THV.									
1521	PG feeding on CAF.									
1530	PG	WL OT	WC OV		29 Log	✓	CAF THV	YL THV	ϕ	

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		

Copulations

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

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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KPC BEHAVIOUR

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KT OTHERS: SM RJ KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1545	PG	WL QT	WC QV		29 Log	✓	CAF	YL	ø	
1558	PG eating brown soil from the roots of a fallen tree.									
1600	PG	WL QT	WC QV		B 29	✓	AFR	PTH	ø	
1605	WL and QT families went missing.									
1615	PG				S JG				ø	
1617	PG climbed into FCP and started feeding on RF.									
1626	Heard distant calls from the west of S JG, PG did not respond.									
1630	PG				S JG	✓	FCP	RF	ø	
1645	PG				"	✓	FCP	RF	ø	
1700	PG				"	✓	FCP	RF	ø	
1709	PG comma down from FCP									
1713	PG entered into an old nest in a Teclea of about 17 cm dbh at 5 metres high and improved it by adding on leaves.									

Aggression/Received aggression

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

Copulations

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

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KPC BEHAVIOUR

DAY: 29 MONTH: OCT YEAR: 2009 KPC: KT OTHERS: SMJR KP FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1715	pG				S/JG				ø	
1730	pG				"				ø	
1745	pG				"				ø	
1800	pG				"				ø	
1815	pG				"				ø	
1820	QbS left the nesting site.									

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		

Copulations

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

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