DAY 3rd MONTH NOV YEAR 2009 OBS-PC KJ TMF/40 FM 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	TO	GRID	MNK	SP	PT
Estrus																							1												1		1										
5:45																																															
6:00																																															
6:15																																															
6:30								X																																				I126	BWC	—	—
6:45								X																																					BWC RDT	CMA	RF
7:00								X																																						CMA	RF
7:15								X																																					″	CMA	RF
7:30								X																																				I126		—	—
7:45								X																																				J125		—	—
8:00								X																																				K125		—	—
8:15								X				X											X	X	X																		X	L125		FCX	RF
8:30								X				X											X	X	X																		X				
8:45								X				X											X	X	X																		X				
9:00								X				X											X	X	X																		X				
9:15								X				X											X	X	X																		X				
9:30								X				X											X	X	X																		X				
9:45								X				X											X	X	X																		X				
10:00								X				X											X	X	X																		X				
10:15								X				X											X	X	X																		X		RDT		
10:30								X				X											X	X	X										X	X	X	X					X		″		
10:45								X				X											X	X	X										X	X	X	X					X		″		
11:00								X				X											X	X	X										X	X	X	X					X		″		
11:15								X				X											X	X	X										X	X	X	X					X		RDT MGB		
11:30								X				X											X	X	X										X	X	X	X					X				
11:45								X				X											X	X	X										X	X	X	X					X		MGB		
12:00								X				X											X	X	X										X	X	X	X					X		″		
12:15								X				X											X	X	X										X	X	X	X					X		″		
12:30								X				X											X	X	X										X	X	X	X					X		″		
12:45								X				X											X	X	X										X	X	X	X					X		″	FCX	RF
	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	TO				
13:00								X																																						PGN	PITH
13:15								X																																							
13:30								X																																							
13:45								X																																							
14:00								X																																							
14:15								X																																						PGN	PITH
14:30								X																																						TTO	YL
14:45								X																																						TTO	YL
15:00								X																																						TTO	YL
15:15								X																																				L125		FOT	RF
15:30								X																																				L124		—	—
15:45								X																																					RDT	FBR	RF
16:00								X																																					″		
16:15								X																																					″		
16:30								X																																					″		
16:45								X																																					″	FBR	RF
17:00								X																																					″	—	—
17:15								X																																					″	—	—
17:30								X																																					″	—	—
17:45								X																																					″	—	—
18:00								X				X											X	X	X																		X		″	FBR	RF
18:15								X				X											X	X	X																		X		″		
18:30								X				X											X	X	X																		X		″		
18:45								X				X											X	X	X																		X	L124	″	FBR	RF
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	TO	GRID	MNK	SP	PT
Health								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

GPS A

KPC Behavior

Day 3rd Month NOV Year 2009 KPC KJ Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
624	♀'s arrived at the nesting site.									
629	KK coming out of the night nest.									
630	KK				5S Crd				BWC	
634	KK climbed into cordia at 5S				Crd				and	
	started feeding on RF									
645	KK				5S Crd	✓	COA	RF	BWC	
700	KK				"	✓	COA	RF	BWC RDT	
715	KK				"	✓	COA	RF	"	
724	KK coming down from cordia									
725	KK feeding on UTM flowers.									
727	KK feeding on PIC pith.									
730	KK				5S Crd				BWC RDT	
737	KK made vocal displays and buttress bangs then									
	distant calls from the north were heard.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G
737	KK	5Sec						None							Un Known	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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?)

TG ①

KPC Behavior

Day 3rd Month Nov Year 2009 KPC KJ Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	KK				3S 2C				Ø	
800	KK				28 CRd					
808	KK joined TG family at M27 who were									
	feeding on FEX. KK made vocal displays									
	and buttress bangs. Others made pant									
	barks.									
815	KK TJ	TG	TT	TS TD	M 27	✓	FEX	RF	Ø	
822	KK started running chimps continued									
	on feeding.									
830	KK TJ	TG	TT	TS TD	M 27	✓	FEX	RF	Ø	
845	KK TJ	TG	TT	TS TD	"	✓	FEX	RF	Ø	
900	KK TJ	TG	TT	TS TD	"	✓	FEX	RF	Ø	
915	KK TJ	TG	TT	TS TD	"	✓	FEX	RF	Ø	
930	KK TJ	TG	TT	TS TD	"	✓	FEX	RF	Ø	
945	KK TJ	TG	TT	TS TD	"	✓	FEX	RF	Ø	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G
808	KK	6sec						NON							Re-union	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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**: Intergroup 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?)

WL, QT,

KPC Behavior

Day 3rd Month NOV Year 2009 KPC KJ Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1000	KK TJ	TG	TT	TD TS	M 27	✓	FEX	RF	Ø	
1008	It stoped raining, TG was seen in a									
	day nest.									
1015	KK TJ	TG	TT	TS TD	M 27	✓	FEX	RF	RDT	
1025	KK moved out of the feeding tree.									
1029	KK making a day nest in a Diospyros									
	at 24 metres high.									
1029	WL & QT families Joined the Part									
	making paut barks.									
1030	KK TJ	TG QT WL	TT WC QV	TS TD	M 27	✓	FEX	RF	RDT	
"	WL and QT approached TG Paut barking									
	extending hands TG Ignored.									
1038	QT grooming TT									
1045	KK TJ.	TG WL QT	TT WC QV	TD TS	M 27	✓	FEX	RF	RDT	
1100	KK TJ	TG WL QT	TT QV WC	TD TS	"	✓	FEX	RF	RDT	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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 Behavior

Day 3rd Month NOV Year 2009 KPC KJ Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1115	KK TJ	TG WL OT	TT OV WC	TS TD	M 27	✓	FEX	RF	ROT MGB	
1124	WL and TJ coming out of the feeding									
	tree									
1130	KK TJ	TG WL OT	TT OV WC	TS TD	M 27	✓	FEX	RF	ROT MGB	
1145	KK TJ	TG WL OT	TT OV WC	TS TD	"	✓	FEX	RF	"	
1200	KK TJ	TG WL OT	TT OV WC	TS TD	"	✓	FEX	RF	"	
215	KK TJ	TG WL OT	TT OV WC	TS TD	"	✓	FEX	RF	"	
1230	KK TJ	TG WL OT	TT OV WC	TS TD	"	✓	FEX	RF	"	
1232	KK coming out of a day nest and									
	started feeding.									
1233	TG coming out of the day nest.									
1243	KK coming down from FG									
1245	KK TJ	TG WL OT	TT WC OV	TD TS	M 27	✓	FEX	RF	MGB	
1248	KK feeding on MAR pith									
1250	KK separated from the rest and moved alone.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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 Behavior

Day 3rd Month NOV Year 2009 KPC KT Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1300	KK				26 CRd	✓	PEN	PITH	Ø	
1315	KK				"	✓	PEN	PITH	Ø	
1330	KK				"	✓	PEN	PITH	Ø	
1345	KK				"	✓	PEN	PITH	Ø	
1400	KK				"	✓	PEN	PITH	Ø	
1415	KK				"	✓	PEN	PITH	Ø	
1427	KK started feeding on TTO YL.									
1430	KK				26 CRd	✓	TTO	YL	Ø	
1445	KK				"	✓	TTO	YL	Ø	
1500	KK				"	✓	TTO	YL	Ø	
1509	KK climbed into FOT and started feeding									
	on FOT	RF								
1515	KK				WST CRd	✓	FOT	RF	Ø	
1526	KK coming down from FOT									
1530	KK				B 90D				Ø	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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 Behavior

Day 3rd Month NOV Year 2009 KPC KJ Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1538	KK climbed into	FBR at	F1800		.					
1545	KK				F 800	✓	FBR	RF	RDT	
1600	KK				"	✓	FBR	RF	RDT	
1615	KK				"	✓	FBR	RF	RDT	
1630	KK				"	✓	FBR	RF	"	
1645	KK				"	✓	FBR	RF	"	
46	KK coming down from the feeding tree but									
	not to the ground.									
1700	KK				F 800				RDT	
1702	KK climbed back to FBR and started feeding									
1706	KK crossed over to UVA of about 18 cm diam									
	at 12 metres high and entered into an old									
	nest and improved it by adding on more leaves.									
1715	KK				F 800				RDT	
1730	KK				"				"	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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 Behavior

Day 3rd Month Nov Year 2009 KPC KT Others FM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745	KK				F 800				RDT	
1756	TG family joined KK who was in the nest, no any calls made. They climbed into									
	FBR and started feeding on RF.									
1800	KK TJ	TG	TT	TS TD	F 800	✓	FBR	RF	RDT	
1815	KK TJ	TG	TT	TS TD	"	✓	FBR	RF	"	
30	KK TJ	TG	TT	TS TD	"	✓	FBR	RF	"	
1845	KK TJ	TG	TT	TS TD	"	✓	FBR	RF	"	
1850	OBs left the nesting site.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE 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: Intergroup 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?)