DAY 6th MONTH DEC YEAR 2009 OBS-PC KJ FOC-OBS FM OTHERS ______ HOW FOUND FT

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU			GRID	MNK	SP	PT
Estrus																																																			
5:45																																																			
6:00																																																			
6:15																																																			
6:30																																																			
6:45																																																			
7:00																																																			
7:15									X		X																			X	X	X	X	X	X					X	X							M/26		FBR	RF
7:30									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
7:45									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
8:00									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
8:15									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
8:30									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
8:45									X	X	X																			X	X	X	X	X	X					X	X				X			↓		↓	↓
9:00									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			↓		FCD	RF
9:30									X	X	X																			X	X	X	X	X	X					X	X				X			↓		—	—
9:45									X	X	X																			X	X	X	X	X	X					X	X				X			↓		—	—
10:00									X	X	X																			X	X	X	X	X	X					X	X				X			↓		—	—
10:15									X		X																																					M/26		—	—
10:30									X		X																																					L/25		—	—
10:45									X		X																																					L/25		NCU	WD
11:00									X		X																																					L/24		—	—
11:15									X		X																																					L/23		FBR	RF
11:30									X		X																																					L/23		—	—
11:45									X		X																																					K/24		—	—
12:00																																																			
12:15																																																			
12:30																																																			
12:45																																																			
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU						
13:00																																																			
13:15																																																			
13:30																																																			
13:45																																																			
14:00																																																			
14:15																																																			
14:30																																																			
14:45																																																			
15:00																																																			
15:15																																																			
15:30																																																			
15:45																																																			
16:00																																		X	X													L/23	BWC	FBR	RF
16:15																																		X	X													↓	"	↓	↓
16:30																																		X	X													↓	"	↓	↓
16:45																																		X	X													↓	"	↓	↓
17:00																																		X	X													↓		↓	↓
17:15																																		X	X													↓	RDC	↓	↓
17:30																																		X	X													↓	RDC	FBR	RF
17:45																																		X	X													↓	X	—	—
18:00																																		X	X													↓	X	—	—
18:15																																		X	X													L/23	X	—	—
18:30																																																			
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	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU			GRID	MNK	SP	PT
Health									2																																										

COMMENTS Obs abandoned chimps due to the elephants. PG has cough and diarrhoea. From 17:15 – 18:15 Blu, RDC & RDT monkeys were alongside.

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 #

KPC Behavior

QT, LR, AL

Day 6th Month DEC Year 2009 KPC KJ Others Fm Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
707	QBS found chimps in FCP feeding at B/27.									
	we could not make it to the nest because									
	of the elephants									
715	PB PG	AL QT LR	AT AZ QV LO	AN	B/27	✓	FCP	RF		
727	ES and EU joined the party, ES made non									
	vocal displays and buttress bangs, the									
	party responded with both pant hoots									
	then food barks.									FBK
730	PB PG ES	LR QT AL	AT AZ QV LO	AN EU	B/27	✓	FCP	RF	∅	
740	AT grooming PG.									
745	PB PG ES	LR QT AL	AT AZ QV LO	AN EU	B/27	✓	FCP	RF	∅	
750	LR crossed over	from the feeding tree and								
	made a day nest in CAF at 20 meters									
	high.									

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
727	ES		6sec					MORE							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?)

KPC Behavior

Day 6th Month DEC Year 2009 KPC KT Others FM Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
800	PG PB ES	LR AL OT	AT AZ QVLO	AN Gu	B/27	V	FCP	RF	Ø	
801	OT grooming PB									
806	PB grooming OT									
815	PG PB ES	LR AL OT	AT AZ QVLO	AN Gu	B/27					
823	PG approached OT who made pant barks									
	and groomed him.									
827	AT grooming AL									
830	PG PB ES	LR AL OT	AT AZ QVLO	AN Gu	B/27	V	FCP	RF	Ø	
843	ES Gu PB PG OT	coming down from						FCP		
845	PG PB ES	LR AL OT	AT AZ QVLO	AN Gu	B/27				Ø	
850	PB grooming PG	as AZ grooms AL.								
853	Hand clasp mutual groom PB ↔ PG									HCG
856	PB grooming PG after hand clasp.									
900	PB PG ES	LR AL OT	AZ AT QVLO	AN Gu	B/27	V	FCP	RF	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 06 Month DEC Year 2009 KPC KJ Others FM Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
914	PG was	heard coughing.								
915	PG PB ES	LR AL OT	AT AZ OV LO	AN EU	B/27	V	FEP	QF	Ø	
930	PG PB ES	LR AL OT	AT AZ OV LO	AN EU	"				Ø	
945	PG PB ES	LR AL OT	AT AZ OV LO	AN EU	"				Ø	
1000	PG PB	LR AL OT	AT AZ OV LO	AN EU	"				Ø	
1001	PB grooming PG.							✓		
1007	chimps	separated and	others	went	missing					
	but obs	followed	PG & PB.							
1015	PB PG				B/27				Ø	
1024	PG made vocal	displays PB	turned	him						
	to and	stopped the ground-								
1026	PG has got diarrhoea.									
1029	PG and	PB made	vocal,	no response.						
1030	PB PG				T/26				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
1024	PG	78sec						None							Un Known	G
1029	PG	98sec						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?)

KPC Behavior

Day 6th Month DEC Year 2009 KPC KJ Others FM JM Found FJ

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1035	PG eating sand soil from the roots of									SL
	a fallen tree.									
1040	PG made vocal displays PB did not respond									
1043	PB feeding on NEO wood.									
1045	PB PG				26/crd	✓	NEO	WD	∅	
1006	PG also eating NEO wood.									
1100	PG PB				800/crd				∅	
1105	PG & PB made joint vocal displays, no									
	response from any where.									
1108	PG and PB made joint vocal displays, no									
	respons from any where.									
1110	chimps climbed into FBR at J/800.									
1115	PB PG				J/800	✓	FBR	RF	∅	
1129	chimps coming down from FBR									

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
1040	PG	8sec						None							un known	G
1105	PG	6sec						None							un known	G
1108	PG	8sec						None							Social excitement	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 6th Month DEC Year 2009 KPC KJ Others FM JM Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1130		LR	LO		I/800				ø	
1145		LR	LO		H/WST				ø	
1148	Obs stopped following chimps due to the elephants.									

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 6th Month DEC Year 2009 KPC KJ Others FM Found FFT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1558	LR (LO) found obs			FBR ∠J/800 and						
	She climbed into into the tree the started									
	feeding.				J/800					
1600		LR	LO		"	✓	FBR	RF	BWC	
1615		LR	LO		"	✓	FBR	RF	"	
1630		LR	LO		"	✓	FBR	RF	"	
1645		LR	LO		"	✓	FBR	RF	"	
1700		LR	LO		"	✓	FBR	RF	Ø	
1715		LR	LO		"	✓	FBR	RF	RDC	
1730		LR	LO		"	✓	FBR	RF	RDC	
1731	LR (LO) coming out of the feeding tree.									
1742	LR (LO) entered into an old nest in UVA									
	of about 24 cm dbh at 16 metress high									
	and improved it by adding on more leaves.									

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 6th Month DEC Year 2009 KPC KJ Others FM Found FFT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745		LR	LO		J/800				ROT ROC BLU	
1800		LR	LO		"				"	
1815		LR	LO		"				"	
1823	Obs left the nesting site and the elephants were around making calls.									

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?)