DAY 27 MONTH AUG YEAR 2009 OBS-PC KJ TMF/40 SM TW 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
Estrus													2						1																1		1									
5:45																																														
6:00								X																											X	X	X			X		M124		—	—
6:15								X																											X	X	X			X				—	—
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		M124		—	—
7:30																																			X	X	X			X		M125		—	—
7:45										X																									X	X	X			X		M126		FCP	RF
8:00										X																									X	X	X			X					
8:15										X																									X	X	X			X					
8:30										X																									X	X	X			X					
8:45										X																									X	X	X			X					
9:00																																			X	X	X			X			BWC		
9:15																																			X	X	X			X			"		
9:30																																			X	X	X			X			"		
9:45																																			X	X	X			X			"	FCP	RF
10:00																																			X	X	X			X			"	—	—
10:15																																			X	X	X			X				THV	THV
10:30																																			X	X	X			X				THV	THV
10:45																																			X	X	X			X				CAF	YL
11:00																																			X	X	X			X				CAF	YL
11:15													X	X	X																				X	X	X			X		M126		FBR	RF
11:30													X	X	X																				X	X	X			X		L126			
11:45													X	X	X																				X	X	X			X					
12:00													X	X	X																				X	X	X			X					
12:15													X	X	X																				X	X	X			X					
12:30													X	X	X																				X	X	X			X					
12:45													X	X	X																				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	X	X			X					
13:15													X	X	X																				X	X	X			X					
13:30													X	X	X																				X	X	X			X				FBR	RF
13:45													X	X	X																				X	X	X			X				THV	THV
14:00													X	X	X																				X	X	X			X					
14:15													X	X	X																				X	X	X			X					
14:30													X	X	X																				X	X	X			X					
14:45													X	X	X																				X	X	X			X		L126		THV	THV
15:00													X	X	X																				X	X	X			X		L127		—	—
15:15													X	X	X																				X	X	X			X				CAF	YL
15:30													X	X	X																				X	X	X			X					
15:45													X	X	X																				X	X	X			X					
16:00													X	X	X																				X	X	X			X					
16:15													X	X	X																				X	X	X			X					
16:30													X	X	X																				X	X	X			X					
16:45													X	X	X																				X	X	X			X					
17:00													X	X	X																				X	X	X			X					
17:15													X	X	X																				X	X	X			X					
17:30													X	X	X																				X	X	X			X					
17:45													X	X	X																				X	X	X			X				CAF	YL
18:00													X	X	X																				X	X	X			X				—	—
18:15													X	X	X																				X	X	X			X				—	—
18:30													X	X	X																				X	X	X			X		L127		—	—
18:45																																													—	—
19:00																																														
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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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1				

COMMENTS OT 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 Behavior

WL, QT,

DAY 27 MONTH AUG YEAR 2009 KPC KJ OTHERS SM FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
557	BDs arriving at the resting site and found									
600	KK	WL QT	WCAV	NP	R TU				∅	
615	KK	WL QT	WCAV	NP	"				∅	
630	KK	WL QT	WCAV	NP	"				∅	
645	KK	WL QT	WCAV	NP	"				∅	
700	KK	WL QT	WCAV	NP	"				∅	
702	QT CV coming out of the night nest									
706	KK made vocal displays and buttress bangs. Others did not respond.									
708	NP coming out of the night nest.									
710	WL WC coming out of the night nest									
~~714~~	~~WL grooming~~									
715	KK	WL QT	WCAV	NP	R TU				∅	
720	KK went missing									
722	NP drinking water from the scream using her mouth.									DR

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	Behavioral Context	Height T or G

Copulation

Time	Duration	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 27 MONTH AUG YEAR 2009 KPC KT OTHERS SM TW FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
728	OT eating clay soil from the roots of a fallen tree.									
730		OT WL	OWC	NP	Y 26				Ø	
732	chimps joined ES & Eu at B27 who were feeding on FCP.									
734	OT approached ES pant grunting before him, ES ignored.									PTG
745	ES	OT WL	OWC	NP Eu	B 27	✓	FCP	RF	Ø	
800	ES	OT WL	OWC	NP Eu	"	✓	FCP	RF	Ø	
801	ES grooming Eu.									
813	OT approached ES screaming and presented before him, he inspected her by touching on the estrous then OT groomed him.									
815	ES	OT WL	OWC	NP Eu	B 27	✓	FCP	RF	Ø	
830	ES	OT WL	OWC	NP Eu	"	✓	FCP	RF	Ø	
836	ES and Eu coming down from the feeding tree (FCP).									
845	ES	OT WL	OWC	NP Eu	B 27	✓	FCP	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	Behavioral Context	Height T or G

Copulation

Time	Duration	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
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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 27th MONTH AUG YEAR 2009 KPC KJ OTHERS SM TW FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
850	Heard distant calls from the south of									
	B127, this party responded with pant hoots									
852	WL grooming WC. ES and EU moved away.									
900	~~ES~~	WL OT	WC OV	~~NP~~	B27	✓	FCP	RF	BWC	
915		WL OT	WC OV	NP	"	✓	FCP	RF	BWC	
930		WL OT	WC OV	NP	"	✓	FCP	RF	BWC	
936	NP making a day nest in the feeding tree									
	at about 20 metres high.									
940	WL chased out NP from her day nest, NP									
	fled screaming then made arm threat and									
	back shaking was barking, WL ignored her.									
943	OT grooming OV									
945		WL OT	WC OV	NP	B27	✓	FCP	RF	BWC	
949	WL WC coming out of the feeding tree.									
950	WL approached OT who made pant grunts									PTG
	and groomed her. ~~ES~~									
1000		WL OT	WC OV	NP	B27				BWC	
1007	Chimps started moving.									

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

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G
940	WL			35ec				NP		F	YES		✓		Un known	T
"	NP							WL	NS		NO				Self protection	T

Copulation

Time	Duration	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

BL② B①2

DAY 27 MONTH AUG YEAR 2009 KPC KI OTHERS SM TW FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1014	chimps started feeding on THV.									
1015		WL QT	WCQV	NP	B/29	✓	THV	THV	∅	
1016	QT feeding on PHY RF.									
1030		WL QT	WCQV	NP	C/29	✓	THV	THV	∅	L/26
1032	WL feeding on CAF.									
1032	QT feeding on CHT YL-									
1039	QT and WL making food grunts as they feed on CAF YL.									FGR
1045		WL QT	WCQV	NP	29/C	✓	CAF	YL	∅	
1100		WL QT	WCQV	NP	"	✓	CAF	YL	∅	
1103	chimps joined BL family, both parties made pant barks. QT groomed BU									
1103	NP grooming BU									
1104	WL made vocal displays others made pant barks.									
1105	chimps climbed into FBR making food grunts and started feeding on RF.									FGT

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

Time	ID	VD	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
1104	WL	4sec						None							Re-union	G

Copulation

Time	Duration	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 27 MONTH AUG YEAR 2009 KPC KT OTHERS SM TW FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1115		BL BU WL OT	BOWC @V	NP	C 29	L	FBR	RF	ROC	
1130		BL BU WL OT	BOWC @V	NP	"		FBR	RF	"	
1145		BL BU WL OT	BOWC @V	NP	"		FBR	RF	"	
1157	OT making a day nest in the feeding tree (FBR)									
1200		BL BU WL OT	BOWC @V	NP	C 29	L	FBR	RF	∅	
1215		BL BU WL OT	BOWC @V	NP	"	L	FBR	RF	∅	
1230		BL BU WL OT	BOWC @V	NP	"	L	FBR	RF	∅	
1245		BL BU WL OT	BOWC @V	NP	"	L	FBR	RF	∅	
1254	BU coming out the feeding tree but did not come down									
1256	BU making a day nest in a parina at about									
1300		WL OT BU BL	WC @V BO	NP	C 29	L	FBR	RF	∅	
1315		WL OT BU BL	WC @V BO	NP	"	L	FBR	RF	∅	
1330		WL OT BU BL	WC @V BO	NP	"	L	FBR	RF	∅	
1334	OT chased NP and she fled screaming									
1338	Chimps coming down from the 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	Behavioral Context	Height T or G
	OT			3sec				BU		F	YES				Food competition	T

Copulation

Time	Duration	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

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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 27 MONTH AUG YEAR AUG KPC 2009 OTHERS SM IW FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1344	chimps started feeding on				THV					
1345		BL BU WL OT	WCQV BO	NP	C 29	✓	THV	THV	Ø	
1349	OT was	heard sneezing.								
1400		BL BU WL OT	WCQV BO	NP	C 29	✓	THV	THV	Ø	
1415		BL BU WL OT	WCQV BO	NP	"	✓	THV	THV	Ø	
1430		BL BU WL OT	WCQV BO	NP	"	✓	THV	THV	Ø	
1445		BL BU WL OT	WCQV BO	NP	"	✓	THV	THV	Ø	
1454	BU grooming QV									
1456	chimps coming out of	THV								
1500		BL BU WL OT	WCQV BO	NP	C EB				Ø	L/27
1506	chimps climbed into		CAF		making		food		FGT	
	grunts.									
1515		BL BU WL OT	WCQV BO	NP	C EB	✓	CAF	YL	Ø	
1530		BL BU WL OT	WCQV BO	NP	"	✓	CAF	YL	Ø	
1545		BL BU WL OT	WCQV BO	NP	"	✓	CAF	YL	Ø	
1600		BL BU WL OT	WCQV BO	NP	"	✓	CAF	YL	Ø	
1615		BL BU WL OT	WCQV BO	NP	"	✓	CAF	YL	Ø	
1630		BL BU WL OT	WCQV BO	NP	"		CAF	YL	Ø	

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

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

Copulation

Time	Duration	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

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RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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KPC Behavior

DAY 27 MONTH AUG YEAR 2009 KPC KJ OTHERS SM TW FOUND M

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1645		BLBU WLQT	BOWE QV	NP	C'EXT EB	✓	CAF	YL	Ø	
1700		BLBU WLQT	BOWE QV	NP	"	✓	CAF	YL	Ø	
1702	WL making anight nest in a UVA of									
1	about 16 cm dbh at 8 metres high.									
1715		BLBU WLQT	BOWE QV	NP	C'EXT EB	✓	CAF	YL	Ø	
1719	QT and BL coming out of CAF									
1720	QT started making anight nest in									
	apremna anglense of about 46 cm									
	dbh at 23 metres high.									
1722	BL making anight nest in UVA of									
	about 26 cm dbh at 14 metres high.									
1730		BLBU WLQT	BOWE QV	NP	C'EXT EB	✓	CAF	YL	Ø	
1745		BLBU WLQT	BOWE QV	NP	"	✓	CAF	YL	Ø	
1800		BLBU QTWL	BOWE QV	NP	"				Ø	
1815		BLBU QTWL	BOWE QV	NP	"				Ø	
1830		BLBU QTWL	BOWE QV	NP	"				Ø	
1832	OBS left the nesting site.									

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

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

Copulation

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

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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