DAY 25th MONTH DEC YEAR 2009 OBS-PC KJ FOC-OBS — OTHERS IC FC HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
5:45			X						X																					X	X	X													M126		—	—
6:00			X						X																					X	X	X																—	—
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																FCP	RF
7:15			X						X																																							
7:30			X						X																																							
7:45			X						X																																							
8:00			X						X																																							
8:15			X						X																																						MGB	
8:30			X						X																																						"	
8:45			X						X	X																																					"	
9:00			X						X	X																																					"	
9:15			X						X	X																																					"	V
9:30			X						X	X																																					"	FCP
9:45			X						X	X																																						
10:00			X						X	X																																						
10:15			X						X	X																																						
10:30			X						X	X																																						
10:45			X						X	X																																						
11:00			X						X	X																																						
11:15			X						X	X																																					PHY	RF
11:30			X						X	X																																					THV	THV
11:45			X						X	X																																						
12:00			X						X	X																																						
12:15			X						X	X																																						
12:30			X						X	X																																						
12:45			X						X	X																																						
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU				
13:00			X						X	X																																						
13:15			X						X	X																																						
13:30			X						X	X																																						
13:45			X						X	X																																					CAF	YL
14:00			X						X	X																																						
14:15			X						X	X																																					CAF	YL
14:30			X						X	X																																					CAF	YL
14:45			X						X	X																																					CAF	YL
15:00			X						X	X																																					THV	THV
15:15			X						X	X																																						
15:30			X						X	X																																					M126	
15:45			X						X	X																																					M127	
16:00			X						X	X																																						
16:15			X						X	X																																						
16:30			X						X	X																																						
16:45			X						X	X																																						
17:00			X						X	X																																						
17:15			X						X	X																																						
17:30			X						X	X																																						
17:45			X						X	X																																						
18:00			X						X	X																																					M127	
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20:30																																														
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
Health																																														

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

AL (1)

KPC Behavior

Day 25 Month DEC Year 2009 KPC KJ Others LC FC Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
540	QS arrived at the resting site and									
	found chimp									
545	YB PG	AL	AT AZ	AN	B2/27				Ø	
600	YB PG	AL	AT AZ	AN	"				Ø	
615	YB PG	AL	AT AZ	AN	"				Ø	
630	YB PG	AL	AT AZ	AN	"				Ø	
645	YB PG	AL	AT AZ	AN	"				Ø	
654	AT coming out of the night nest.									
654	PG coming down on the night nest.									
655	AL (AN) coming out of the night nest.									
657	YB and PG made joint vocal displays									
	others did not respond.									
658	YB and PG made joint vocal displays									
	others did not respond, then PG and YB									
	climbed into FCP.									

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
657	YB	9sec						NONE							WAKE	G
658		6sec						NONE							WAKE	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 25 Month DEC Year 2009 KPC KJ Others FC IC Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
700	PG YB	AL	AT AZ	AN	B/27	✓	FCP	RF	Ø	
705	AL family moved away									
715	PG YB				B/27	✓	FCP	RF	Ø	
730	PG YB				"	✓	FCP	RF	Ø	
745	PG PB				"	✓	FCP	RF	Ø	
"	YB grooming PG.									
750	Hand clasp mutual groom.				PG⇔YB					HCG
752	PG grooming YB after hand clasp.									
754	YB grooming PG.									
800	YB PG				B/27				Ø	
806	Hand clasp mutual groom.				PG⇔YB					HCG
808	mutual groom after hand clasp				PG⇔YB					
814	YB grooming PG									
815	YB PG				B/27				MGB	
"	PG grooming YB.									

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim No	Response of Victim Av	Response of Victim Submission	Response of Victim Tn	Response of Victim Rt	Response of Victim 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
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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 25 Month DEC Year 2009 KPC KJ Others FC JM Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
830	PG YB				B/27	V	FCP	RF	MGB	
835	PB ES and EU joined the party, PB & ES									
	made joint non vocal displays, PG made									
	hoos.									
845	PB PG YB ES			EU	B/27	✓	FCP	RF	MGB	
900	PB PG YB ES			EU	"	✓	FCP	RF	"	
715	PG PB YB ES			EU	"	✓	FCP	RF	"	
930	PG PB YB ES			EU	"	✓	FCP	RF	"	
932	PG and PB coming down from FCP.									
934	PB grooming PG									
935	Hand clasp mutual groom				PG ⇔ PB					HCG
936	mutual groom		PG ⇔ PB							
937	PG grooming PB									
938	PB grooming PG									
940	Hand clasp mutual groom				PG ⇔ PB					HCG

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Context	Height T or G
835	ES		6sec					none			NO				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 25 Month DEC Year 2009 KPC KJ Others ICFCJM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
940	YBES & Ju coming down from FCP.									
942	PB grooming YB.									
943	Chain groom PG→PB→YB									
944	PB grooming YB as PG grooms him Self.									
945	PG PB ES YB			Ju	B/27				Ø	
11	Hand clasp mutual groom. PB↔YB									HCG
946	YB grooming PB									
947	Hand clasp mutual groom				YB↔PB					HCG
949	mutual groom after hand clasp				YB↔PB					
950	YB being by PB.									
951	YB grooming PB.									
953	Hand clasp mutual groom				YB↔PB					HCG
955	Chain groom PB→YB→PG.									
956	PB grooming YB									
1000	PG PB ES YB			Ju	B/27				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

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 25 Month DEC Year 2009 KPC KJ Others EC IC [illegible] Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1004	Hand clasp mutual groom				PB⟷YB					HCG
1005	PB grooming YB									
1006	Both PG and PB are grooming YB.									
1009	YB grooming PG.									
1011	Hand clasp mutual groom				PG⟷YB					HCG
1013	Mutual groom after hand clasp.				PG⟷YB					
1014	YB grooming PG.									
1015	PG PB ES YB			EV	B/27				∅	
1025	Hand clasp mutual groom				PB⟷PG					HCG
1028	mutual groom		PG⟷PB							
1029	PB grooming PG									
1030	PG PB ES YB			EV	B/27				∅	
1	chain groom		PB→PG→YB.							
1031	PG grooming YB									
1033	Hand clasp mutual groom				PG⟷YB					

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 25 Month DEC Year 2009 KPC KT Others FCJM LC Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1033	PG grooming YB									
1045	PG PB YB ES			EU	B1/27				Ø	
1054	YB grooming PG.									
1057	Hand clasp mutual groom. PG ↔ YB									HCG
1058	YB grooming PG after hand clasp.									
1059	PG grooming YB									
1100	PG PB YB ES			EU	B1/27				Ø	
1108	chimps started feeding on PHy to Ficus								RF.	
1115	PG PB YB ES			EU	B2/28	V	PHy	RF	Ø	
1124	Chimps coming down from PHy.									
1125	ES made non vocal displays at hers									
	did not respond.									
1128	chimps started feeding on THV									
1130	YB PG ES PB			EU	B2/28	V	THV	THV	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

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 25 Month DEC Year 2009 KPC KJ Others JM IC FC Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1133	PB eating red soil from the roots of a fallen tree.									SL
1145	YB PG ES PB			CU	B2/29				Ø	
1200	YB PG ES PB			CU	"				Ø	
1215	YB PG ES PB			CU	"				Ø	
1230	YB PG ES PB			CU	"				Ø	
1231	it started raining.									
1245	YB PG ES PB			CU						
1249	it stopped raining									
1300	YB PG ES PB			CU	B2/28				Ø	
1315	YB PG ES PB			CU	B2/25				Ø	
1330	YB PG ES PB			CU	"				Ø	
1333	YB feeding on CAF 4.									
1337	PG made non vocal displays YB made pant barks.									

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
1337	PG		7sec					YB	No		YES				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

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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 25 Month DEC Year 2009 KPC KJ Others ICJMFC Found IV

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1338	PG also	feeding	on CAF.							
1345	YB PG ES PB			EU	F/28	V	CAF	YL	Ø	
1347	YB and	PG coming	down	from	CAF.					
1348	YB and	PG made	food	grunts	as	they	started			FGT
	feeding	on FUR	UF.							
1405	YB PG ES PB			EU	F/28				Ø	
1407	ES made	vocal	displays	PB	made	waas.				
	PG and	YB made	food	barks	as	they				
	feed on	CAF.								
1415	YB ES PG PB			EU	F/28	V	CAF	YL	Ø	
1430	YB ES PG PB			EU	"	V	CAF	YL	Ø	
1445	YB ES PG PB			EU	"	V	CAF	YL	Ø	
1500	YB ES PG PB			EU	"	V	THV	THV	Ø	
1515	YB ES PG PB			EU	"	V	THV	THV	Ø	
1530	YB ES PG PB			EU	"	V	THV	THV	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
1400	ES															

Copulation

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

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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 25 Month DEC Year 2009 KPC KJ Others FC IC JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1545	PG PB ES YB			EU	S/G	✓	THV	THV	Ø	
"	PG made non vocal displays towards									
	ES who fled pant barking.									
1600	PG PB ES YB			EU	S/G	✓	THV	THV	Ø	
1615	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1630	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1645	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1659	PG eating brown soil from the road									SL
	side.									
1700	PG PB ES YB			EU	S/28	✓	THV	THV	Ø	
1715	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1730	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1745	PG PB ES YB			EU	"	✓	THV	THV	Ø	
1746	PG making a night nest in an Albizia of about									
	18 cm dbh at 8 metres 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
1545	PG		SSet					ES		F	YGS				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

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KPC Behavior

Day 25 Month DEC Year 2009 KPC KJ Others FELICIM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1750	YB making a night nest in an Albizia of about 18 cm dbh at 10 metres high.									
1752	PB making a night nest in an Albizia of about 28 cm dbh at 14 metres high.									
1800	PG PB ES YB			on	S/28	✓	THV	THV	Ø	
1802	OBs left the nesting site. ES and on were still feeding in THV.									

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?)