DAY 16th MONTH 08 YEAR '09 OBS-PC Fm TMF/40 KJ AG 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	OL	TS	AN	GRID	MNK	SP	PT
Estrus																																																		
5:45																																																		
6:00																																																		
6:15			X				X	X			X	X							X	X	X		X	X				X	X	X	X				X	X	X			X			X			0/25		—	—
6:30			X				X	X			X	X							X	X	X		X	X				X	X	X	X				X	X	X			X			X					—	—
6:45			X				X	X			X	X							X	X	X		X	X				X	X	X	X				X	X	X			X			X					—	—
7:00			X				X	X			X	X							X	X	X		X	X				X	X	X	X				X	X	X			X			X					—	—
7:15							X	X			X	X							X	X	X		X	X				X	X	X	X				X	X	X			X			X				FGx	YL	
7:30							X	X			X	X							X	X	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	X				X	X	X			X			X			0/25		PHV	RF
8:00											X	X																																		M/24		—	—
8:15			X								X	X																																		"	RDC	FBR	RF
8:30			X								X	X																																		"	"	"	"
8:45			X								X	X																																		M/24	"	FBR	RF
9:00			X								X	X																																		N/25	RDC	—	—
9:15			X						X		X	X																																				TR	YL	
9:30			X						X		X	X																																				—	—
9:45			X						X		X	X																																				—	—
10:00			X						X		X	X																																				—	—
10:15			X						X		X	X																																		N/25		—	—
10:30																																															—	—
10:45			X								X	X																																		N/25		—	—
11:00			X								X	X																																		"		—	—
11:15			X								X	X																																		"		—	—
11:30			X								X	X																																		N/25		—	—
11:45											X	X																																		0/25		Com	RF
12:00											X	X																																		"		"	"
12:15											X	X																																		0/25		Com	RF
12:30											X	X																																		N/25		—	—
12:45											X	X																																		M/26		—	—
	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	OL	TS	AN				
13:00											X	X																																		M/26		—	—
13:15											X	X																																				PHV	RF
13:30											X	X																								X	X	X									"	"
13:45											X	X																								X	X	X									"	"
14:00											X	X																								X	X	X									PHV	RF
14:15											X	X																								X	X	X										—	—
14:30											X	X																								X	X	X									Blu	—	—
14:45											X	X																								X	X	X									"	Fcp	UF
15:00											X	X																								X	X	X										"	"
15:15											X	X																								X	X	X										Fcp	UF
15:30											X	X																								X	X	X										THV	THV
15:45											X	X																								X	X	X											
16:00											X	X																								X	X	X											
16:15											X	X																								X	X	X											
16:30											X	X																								X	X	X											
16:45											X	X																								X	X	X											
17:00											X	X																								X	X	X										THV	THV
17:15											X	X																								X	X	X										CAF	YL
17:30											X	X																								X	X	X										—	—
17:45											X	X																								X	X	X										—	—
18:00											X	X																								X	X	X										—	—
18:15											X	X																								X	X	X										—	—
18:30											X	X																								X	X	X									M/26		—	—
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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	OL	TS	AN	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

TS① WL① QT① OU① OT① AL① LR①

KPC Behavior

DAY 16th MONTH 08 YEAR 2009 KPC Fm OTHERS KJ AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
608	Obs arrived at the nest site.									
615	YB KK LK TJ PB	AL TS WL QT OU OT LR	TT WC QV AT AZ LO OG	AN NP OM OL TS TD	H/3					
630	YB LK KK TJ PB	AL TS WL QT OU OT LR	TT WC QV LO AT AZ OG	AN NP OM OL TS TD	"					
645	LK KK YB PB TJ	TS QT WL OU AL OT LR	TT LO WC QV AT AZ OG	AN NP OM OL TS TD	"					
647	Someone leaving the night nest.									
648	TJ leaving the night nest.									
649	LK leaving the night nest.									
650	KK leaving the night nest.									
700	LK KK YB TJ PB	TS QT WL OU AL OT LR	OG TT AZ LO AT WC QV	AN NP OM OL TS TD	H/3					
702	TS (TD) leaving the night nest.									
705	KK made vocal displays and others pantbarked.									
715	LK KK PB TJ	TS QT WL OU AL OT LR	TT OG WC AT AZ QV LO	AN NP OM OL TS TD	H/3	✓	FEX	YL		
725	TJ inspected WL by smelling on the Estrous.									
730	LK KK PB TJ	TS QT WL OU AL OT LR	WC QV AT AZ LO TT OG	AN NP OM OL TS TD	H/3	✓	FEX	YL		
736	Someone made non vocal displays and others pantbarked.									
740	Someone made non vocal displays again and others warbarked.									

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
705	KK	7 secs						None							unknown	9

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?)

710 YB left the party.

KPC Behavior

DAY 16 MONTH 08 YEAR 2009 KPC FM OTHERS KJ AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	MKKU PBTJ	QT TG WM OH AL OT LR	LO TT AT AZ WE BV	TD AN NP BM OR TS	F/4	✓	PHY	RF		
753	TJ left the party and we left all the others behind and followed him alone.									
800	TJ				T/KOB					
803	TJ climbed into the FBR and joined YB.									
815	YBTJ				P/9	✓	FBR	RF	RDC	
830	YBTJ				"	✓	"	"	"	
843	4 Adult male RDC entered the tree occupied by the chimps making allarm calls, but the chimps continued feeding.									
845	YBTJ				P/9	✓	FBR	RF	RDC	
850	Chimps climbed down the feeding tree silently as the monkeys started approaching.									
856	YB made vocal displays and TJ joined him with vocal displays and both made buttress bangs then. Others responded from a distance.									
900	YBTJ				T/9				RDC	
904	YBTJ joined PS PB and pant hooted.									

Aggregation/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	Behavioral Context	Height T or G
856	YB	22						None							Unknown	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 16th MONTH 08 YEAR 2009 KPC Fm OTHERS KT AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
910	PG made non vocal displays but									
	no one responded.									
911	PG made non vocal displays and buttress									
	bungs and PB ran into the tree pant barking.									
912	YB grooming PG.									
913	PB feeding on Trichilia young leaves.									
915	YB PB PG TJ				E/9		TRI	YL		
915	Hand clasp mutual groom									HCG PG ⇆ YB
916	YB grooming PG.									
927	PG grooming YB.									
930	YB PB PG TJ				E/9					
930	Hand clasp mutual groom									HCG PG ⇆ YB
931	PB leaf clipping.									TLU
933	PB made vocal displays and ground slaps									
	but no one responded.									
933	YB grooming PG.									
945	YB TJ PG PB				E/9					
950	PG grooming 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	Behavioral Context	Height T or G
910	PG		17secs					None							Re Union	G
911	PG		12secs					PB		F	✓				Unknown	G
933	PB		20secs					None							Unknown	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 16th MONTH 08 YEAR '09 KPC Fm OTHERS KJ AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
955	YB grooming PG.									
958	PG grooming YB.									
1000	PG PB YB TJ				E/9					
1015	PG PB YB TJ				7					
1017	TJ moved away and we followed him									
	leaving YB PG PB behind.									
1024	TJ moved fast and got lost.									
1042	Obs found YB PB with AG.									
1045	YB PB				E/9					
1055	Heard distant calls from North of K14									
	and PB responded with wraas.									
1100	YB PB				E/9					
1111	PB feeding on ANT young leaves.									UNF
1113	YB also feeding on ANT young leaves.									UNF
1115	YB PB				K/8					
1125	PB feeding on BOS young leaves.									UNF
1130	YB PB				K/8					

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

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1140 PB started moving but YB stayed behind.

KPC Behavior

DAY 16th MONTH 08 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1144	PB climbed into com.									
1145	PB				M/6	✓	com	RF		
1200	PB				"	✓	"	"		
1215	PB				M/6	✓	com	RF		
1219	PB leaving the feeding tree.									
1230	PB				Q/12					
1242	It started drizzling.									RN
1244	PB climbed into FBR.									
1245	PB				D/21					
1249	PB climbed down without feeding.									
1250	PB drinking water from the stream with his mouth									DR
1254	PB climbed into phytolleca.									
1300	PB				F/GLT					
1315	PB				"	✓	PHY	RF		
1320	It stopped drizzling.									
1325	QT wh joined the party and both ~~be~~									PTG
	~~grunded~~ to PB who didn't respond.									
1330	PB	wh QT	wc QV		F/GLT	✓	PHY	RF		

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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KPC Behavior

DAY 16th MONTH 08 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1345	PB	WL QT	QV WE		F/GMT	✓	PTH	RF		
1400	PB	WL QT	QV WE		〃	✓	〃	〃		
1401	PB leaving the tree.									
1410	WL WE pant-grunted to PB who groomed WL.									PTG
1411	Hand clasp mutual groom									HCG WL ⇄ PB
1412	Chain groom, WL → PB → QT.									
1413	PB grooming WL.									
1415	PB	WL QT	QV WE		F/GMT					
1427	PB grooming WL.									
1428	Hand clasp mutual groom									HCG WL ⇄ PB
1429	PB grooming WL.									
1430	PB	WL QT	WE QV		B/27				BLU	
1430	WL grooming PB.									
1431	Chimps climbed into FCP but QT QV stayed behind									
1445	PB	WL	WE		B/27	✓	FCP	UF	BLU	
1500	PB	WL	WE		〃	✓	〃	〃		
1515	PB	WL	WE		B/27	✓	FCP	UF		
1516	It started raining again.									

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

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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 16th MONTH 08 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1516	PB leaving the feeding tree				and	WN	followed.			
1530	PB	WN	WC		B/27	✓	THV	THV		
1545	PB	WN	WC		〃	✓	〃	〃		
1600	PB	WN	WC		〃	✓	〃	〃		
1615	PB	WN	WC		〃	✓	〃	〃		
1630	PB	WN	WC		〃	✓	〃	〃		
1645	PB	WN	WC		〃	✓	THV	THV		
1700	PB	WN	WC		B/27	✓	CAT	〃		
1702	WN (WO) building a night nest, 23m high DBH									
	113cm (E) sp. Olea.									
1713	PB building a night nest, 17m high, DBH									
	28cm (E) sp. Albizzia.									
1715	PB	WN	WC		B/27					
1730	PB	WN	WC		〃					
1745	PB	WN	WC		〃					
1800	PB	WN	WC		〃					
1815	PB	WN	WC		〃					
1830	PB	WN	WC		B/27					

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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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?)

1836 Obs leaving the nest site and it was still raining.