DAY 23rd MONTH AUG YEAR 2009 OBS-PC KJ TMF/40 FM 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	AN	GRID	MNK	SP	PT
Estrus													1	3														1										3									
5:45																																															
6:00																																															
6:15	X																																											N126		—	—
6:30	X																																													—	—
6:45	X																																													—	—
7:00	X																																													—	—
7:15	X																																										N126		—	—
7:30	X		X	X	X		X	X			X																	X	V	X	X						X			X		O127	Blu	ENA	RF
7:45	X		X	X	X		X	X			X																	X	V	X	X						X			X			"		
8:00	X		X	X	X		X	X			X																	X	V	X	X						X			X			"		
8:15	X		X	X	X		X	X			X																	X	V	X	X						X			X			"		
8:30	X		X	X	X		X	X			X																	X	V	X	X						X			X			"		
8:45	X		X	X	X		X	X			X																	X	V	X	X						X			X			"		
9:00	X		X	X	X		X	X			X																	X	V	X	X						X			X		O127	"	FNA	RF
9:15	X		X	X	X		X	X			X																	X	V	X	X						X			X		N128	"	FNA	RF
9:30	X		X	X	X		X	X			X																	X	V	X	X						X			X				—	—
9:45	X		X	X	X		X	X			X																	X	V	X	X						X			X				BGS	HNY
10:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
10:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				BGS	HNY
10:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
10:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				—	—
11:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				—	—
11:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				THV	THV
11:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
11:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
12:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
12:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
12:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
12:45	X		X	X	X		X	X			X		X	X														X	V	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	AN	GRID	MNK	SP	PT
13:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
13:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
13:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
13:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
14:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
14:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
14:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
14:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
15:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
15:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
15:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
15:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
16:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X		N128			
16:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X		O128			
16:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
16:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X					
17:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				THV	THV
17:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				—	—
17:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X		O128		—	—
17:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X		O127		FNA	RF
18:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				FNA	RF
18:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				FNA	RF
18:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				—	—
18:45	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				FBR	RF
19:00	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				FBR	RF
19:15	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X				FBR	RF
19:30	X		X	X	X		X	X			X		X	X														X	V	X	X						X			X		O127		—	—
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	AN	GRID	MNK	SP	PT
Health	1	1	1	1	4	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	A	1	1	1	1				

COMMENTS RD has woundsore on the estrous another on the cheek
KJ has a wound on the heel.

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

KPC Behavior

GPS A

DAY 23 MONTH AUG YEAR 2004 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
607	obs arriving at the nesting site									
	and found ST in the nest resting.									
615	ST				CT T2				∅	
630	ST				11				∅	
645	ST				11				∅	
651	Heard distant calls from east									
	of the location, (CT T2) ST did not respond.									
654	Heard distant calls the same direction									
	ST did not respond.									
700	ST				CT T2				∅	
708	ST coming down from the right									
	nest making pant hoots then									
	distant calls were heard from the									
	east.									
715	ST				19 Red				∅	
717	ST made vocal displays and									
	buttress bangs, distant calls were									
	heard from the east.									

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
717	ST	85ec									NO				Un known	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 LR, RD3

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM / JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
719	LR (LO) Joined ST making pant barks.								
	ST made vocal displays then heard								
	distant calls from the east.								
723	ST LR (LO) joined another party who								
	were feeding on FNA at JG 19, LR								
	climbed making pant barks as								
	the others made food barks and pant								FBK
	hoots.								
724	YB made vocal displays and buttress								
	bangs, others made waas.								
730	STUB KK PB BB AJ LK	LR AL RD	AT AZ LO	AN	JG 19	✓	FNA	RF	BLU
745	STUB KK BB LK AJ PB	LR AL RD	AT AZ LO	AN	"	✓	FNA	RF	BLU
756	BB grooming ST								
757	Hand clasp mutual groom				BB ⇄ ST				HCG
800	STUB KK BB LK AJ PB	LR AL RD	AT AZ LO	AN	JG 19	✓	FNA	RF	BLU
"	KK grooming AJ								
	BB grooming ST								
801	Hand clasp mutual groom				BB ⇄ ST				HCG

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
719	ST	15sec						None							Re-union	G
724	YB	10sec						None			NO				Re union	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
751	9sec	RD	AT	NO	NO	YES	YES	RD	

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KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
803	ST grooming BB									
"	AJ grooming KK									
809	KK grooming AJ									
815	KK LK ST AJ PB JB BB	AL RD LR	AT AZ LO	AN	JG TG	L	FNA	RF	BLU	
830	KK LK PB BB ST YB AJ	AL RD LR	AT AZ LO	AN	"		FNA	RF	BLU	
831	ST grooming KK.									
837	Hand clasp mutual groom						ST ⇐⇒ KK			HCG
840	ST grooming YB.									
841	YB grooming ST									
845	KK LK ST AJ PB JB BB	AL RD LR	AT AZ LO	AN	JG TG	L	FNA	RF	BLU	
"	KK AJ AT AL (AN) coming down from the feeding tree. followed by PB.									
847	YB grooming ST.									
851	BB & LK coming down from the feeding tree									
851	Hand clasp mutual groom				ST ⇐⇒ YB					HCG
852	ST grooming YB.									
853	LK approached AL who mad pant grunts									PTG

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
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KPC Behavior

DAY 23 MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
853	LK grooming AL.									
900	KK LK AJ BB ST YB PB	AL RD LR	AT AZ LO	AN	JG / T9	✓	FNA	RF	BLU	
908	AT making a ground nest using UVA leaves.									
908	PB grooming AJ.									
913	RD approached YB pant grunting, YB Ignored her.									PTG
915	KK LK AJ BB ST YB PB	AL RD LR	AT AZ LO	AN	JG / T9	✓	FNA	RF	BLU	
918	YB coming down from FNA.									
9	ST coming down from FNA.									
923	LR (LO) coming down from FNA last.									
930	KK LK AJ BB ST YB PB	LR AL RD	AT AZ LO	AN	OLT / NFP				Ø	
932	BB climbed into a tree and started geting honey from a hole (Bees).									HNY
933	LK made vocal displays and made attack one on BB with a kick, BB made screams and retaliated by chasing him, LK fled making non									

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

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
933	LK		12sec		✓			BB		C	YES		✓		Honey competetion	T
"	BB			4sec				LK		F	NO				Self protection	T

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
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior BL, BU3

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
933	vocal displays, KK intervened making non vocal displays others made wears food barks and food grunts then AJ took the advantage and started getting the honey. mean while ST and YB were also making non vocal displays then ST chased YB who fled screaming.									
936	KK and LK getting honey as YB AL AT and PB picking from the ground those that has fallen from up.									
937	ST also getting honey from the hole.									
945	KK LK BB AJ ST YB PB	AL RD LR	AT AZ LO	AN	NFP OLT	✓	BEES	HNY	∅	0/27
948	BL family and NP joined the party AJ BB and KK made non vocal displays BL BU fled climbing a tree pant barking									
949	ST approached BU for cop. KK interfered by chasing BU who fled screaming up the tree, ST fled screaming.									

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

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
933	KK		6sec					None							conflict intervantion	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
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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 23 MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
951	KK made non vocal displays and									
	made attack one on BL by kicks									
	BL made screams and did not avoid.									
952	KK inspecting BL by smelling on									
	the estrous.									
954	KK made non vocal displays ST avoided									
	him casually and silent.									
955	PB & YB made non vocal displays BU RD									
	Jed pant barking.									
1000	KK LK BB AJ ST YB PB	AL BL BU RD	AT AZ LOBO	NP AN	OLT NFP	✓	BEES	HNY	∅	
1002	ST eating Honey using FUR leaves.									
1011	PB made non vocal displays some one									
	Jed screaming.									
1012	KK made non vocal displays BU NP									
	Jed pant barking BB avoided him									
	casually and silent.									
1015	KK BB AJ ST YB PB LK	AL BL BU RD	AT AZ LOBO	NP AN	OLT NFP	✓	BEES	HNY	∅	
	AT has wound on his									

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

Time	ID	VD / NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
951	KK	3sec		✓			BL	N		YES				Re-union	G
954	KK	6sec					ST		C	NO				Re-union	G
955	PB	6sec					BU		F	YES				Re union	G
"	YB	4sec					BU		F	YES				Re union	G
1012	KK	8sec					BU		F	YES				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

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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 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1016	KK made vocal displays BB avoided him casually and silent climbing atree, BU fled pant barking.									
1020	NP inspecting RD by touching and smelling on the estrous.									
1024	RD grooming NP									
1027	NP grooming RD.									
1029	RD grooming NP									
1030	KK BB LK AJ STUB PB	LR AL BL BU RD	AT AZ LOBO	AN NP	QLT NFP	✓	BESS	HNY	Ø	
1034	BO playing with AT by both wrestling and chasing one another.									
1037	some one made screams then KK ~~AZO~~ mounted AJ others made pant hoofs then they started moving									
1043	BL approached BB pant grunting and presented before him, he inspected her by both touching and smelling on the estrous.									PTG

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

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
1016	KK		6sec					BB		C	NO				un known	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
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KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1045	BB ST KK LK AJ YB PB	LR BL AL BU RD	AT AZ LO	NPAN	KRD NFP				Ø	
1050	ST grooming BB									
1052	Hand clasp mutual groom				BB ↔		ST			HCG
1053	ST grooming BB after hand clasp.									
1054	BOth KK and ST are grooming BB.									
1056	AJ grooming KK as ST grooms BB									
1100	BB KK LK AJ ST YB PB	LR AL BU BL RD	AT AZ LO BO	NPAN	KRD NFP				Ø	
1102	PB grooming LK.									
1104	PB eating red soil from the road side.									
1108	RD has a wound on her estrous and on the cheek. even. She's									
	limping on three legs (not using the right leg									
	very well).									
1109	chimps started feeding on				THV					
1115	BB KK LK AJ YB ST PB	AL BL BU RD LR	AT AZ LO BO	AN NP	KRD NFP	V	THV	THV	Ø	
1120	LK grooming ST									
1125	chain groom YB → ST → LK → BB									
12	Hand clasp mutual groom				ST ↔		LK ↔		YB	HCG

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 23rd MONTH AUG YEAR 2009 KPC KT OTHERS FM AG FOUND M

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1127	Both LK and YB grooming ST.									
1128	YB grooming ST.									
1129	Hand clasp mutual groom				YB ⇄ ST					HCG
11	AT playing with NP by both wrestling and chasing one another.									
1130	KK LK BB AJ ST YB PB	AL BL BULR RD	AT AZ LOB	NP AN	NFP KRd	✓	THV	THV	Ø	
1131	ST grooming YB.									
1133	ST inspecting BL by touching and smelling on the estrous									
1136	ST grooming BL									
1140	BO playing with AZ by beating and wrestling.									
1145	KK BB AJ YB ST LK PB	AL BL BULR RD	AT AZ LOB	NP AN	KRd NFP	✓	THV	THV	Ø	
1200	KK BB AJ YB ST LK PB	AL BL BULR RD	AT AZ LOB	NP AN	〃	✓	THV	THV	Ø	
1215	KK BB AJ YB ST LK PB	AL BL BULR RD	AT AZ LOB	NP AN	〃	✓	THV	THV	Ø	
1225	AL grooming AZ									
1230	KK BB LK AJ ST YB PB	AL BL BULR RD	AT AZ LOB	NP AN	KRd NFP	✓	THV	THV	Ø	
1233	YB grooming ST									
1245	KK LK PB BB YB ST AJ	AL BL BULR RD	AT AZ LOB	NP AN	KRd NFP	✓	THV	THV	Ø	

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	Behavioral Context	Height T or G

Copulation

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

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KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1248	Both KK and BB inspecting						BL	by		
	touching on the estrous and groomed									
	her shortly.									
1252	ST grooming YB									
1258	leaf groom by ST for 25 sec. He was									LF
	grooming YB and did the same after.									
1259	YB grooming ST									
1300	KK LK YB AJ ST BB PB	AL BL BU RD LR	ATAZ LO BO	NP AN	NFP KRD	✓	THV	THV	∅	
1304	chimps came near elephant who made									ELE
	some calls.									
1315	KK LK AJ ST BB YB PB	AL BL BU LR RD	ATAZ LO BO	NP AN	KRD NFP	✓	THV	THV	∅	
1330	KK LK AJ ST BB YB PB	AL BL BU LR RD	ATAZ LO BO	NP AN	"	✓	THV	THV	∅	
1345	KK LK AJ ST BB YB PB	AL BL BU LR RD	BO ATAZ LO	NP AN	"	✓	THV	THV	∅	
1349	LK playing with AZ by				biting him					AP
	softly.									
1400	KK LK BB ST YB PB AJ	AL BL LR BU RD	BO ATAZ LO	AN NP	NFP KRD	✓	THV	THV	∅	
1405	KK LK BB ST YB PB AJ	AL BL LR BU RD	ATAZ LO BO	NP AN	"	✓	THV	THV	∅	
1416	LR playing with LO by				biting him softly					AP

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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KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1430	KK LK BB AT ST YB PB	AL BL BU RD LR	AT AZ LO BO	NP AN	KRD NFP	L	THV	THV	∅	
1445	KK LK BB AT ST YB PB	AL BL BU RD LR	AT AZ LO BO	NP AN	"	L	THV	THV	∅	
1500	KK LK BB AT ST YB PB	AL BL BU RD LR	BO AT AZ LO	NP AN	"	L	THV	THV	∅	
1514	RD presented to PB who inspected her									
	by touching on the estrous and									
	smelling on fingers.									
1515	KK LK BB AT ST YB PB	AL BL BU RD LR	BO AT AZ LO	NP AN	KRD NFP	L	THV	THV	∅	
1530	KK LK BB AT ST YB PB	AL BL BU RD LR	BO AT AZ LO	NP AN	"	L	THV	THV	∅	
1545	KK LK BB AT ST YB PB	AL BL BU RD LR	BO AT AZ LO	NP AN	"	L	THV	THV	∅	
1600	KK LK BB AT ST YB PB	AL BL BU RD LR	AT AZ LO	NP AN	"	L	THV	THV	∅	
1606	KK LK NP and BL feeding on CAF YL									
1615	KK LK BB AT ST YB PB	AL BL BU RD RD	AT AZ LO BO	NP AN	KTM KRD	L	THV	THV	∅	
1621	KK moved toward AT who avoided him									
	casually pant barking.									
1630	KK BB LK AT YB ST PB	AL BL BU LR RD	AT AZ LO BO	NP AN	KRD NFP	L	THV	THV	∅	
1645	KK BB LK AT YB ST PB	AL BL BU LR RD	AT AZ LO	NP AN	"	L	THV	THV	∅	
1656	BU grooming NP									
1659	AZ playing with BO by wrestling.									

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
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KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1700	KK BB ST YB LK AJ PB	AL LR BL BU RD	BO AT AZ LO	NP AN	NFP KRd		THU	THU	Ø	
1701	AT approached KK pant grunting, KK									PTG
	ignored									
1702	AT grooming ST									
1707	RD grooming NP									
1715	KK BB ST YB LK AJ PB	AL BL BU RD LR	AT AZ LO BO	NP AN	OLT NFP				Ø	
1716	LK grooming KK									
1717	RD grooming AJ									
1718	KK grooming LK									
1728	BB grooming AJ									
1729	It started raining									
1730	KK BB YB LK AJ PB ST	AL BL BU RD LR	AT AZ LO BO	NP AN	OLT NFP				Ø	
1730	KK LK BB AJ made non vocal rain									RD
	displays others did not respond.									
1736	chimps climbed into FNA at 19/JG and									
	made food barks, some Jds made vocal									FBK
	displays and buttress bungs others									
	made pant barks.									

0/27

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														
1730	KK		87sec					None			No				Rain	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
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 23rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND M

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745	KK AJ ST YB BB YB PB	AL BL BULK RD	AT AZ LOBO	NP AN	19 JG	✓	FNA	RF	∅	
1748	Some one was chased in the feeding and fled screaming others made weays.									
1800	KK AJ ST YB BB YB PB	AL BL BULK RD	AT AZ LOBO	NP AN	19 JG	✓	FNA	RF	∅	
1809	LK and RD coming down from FNA									
	followed by ST KK PB									
1811	KK made an arm threat to PB and he fled screaming.									
1813	LK started making a night nest in Pancovia of about 12 cm dbh at 5 metres.									
1815	ST making a night nest in UVA of about 16 cm dbh at 15 metres high.									
1815	KK LK BB AJ BB ST PB	AL BL BULK RD	AT AZ LOBO	NP AN	JG 19	✓	FNA	RF	∅	
1816	LR making a night nest in a teclea of 10 cm dbh at 10 metres high.									
1817	PB making a night nest in a teclea of about 14 cm dbh at 14 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	Behavioral Context	Height 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 28rd MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1816	BB started making anight nest in a BOS of about 13 cm dbh at 9 metres high.									
1817	KK making anight nest in a BOS of about 17 cm dbh at 9 metres high.									
1828	AT made arm threat to NP who retaliated screaming and they exchanged bites, slaps and kick then AL intervened waar barking and chased NP who fled screaming.									
1830	KK BB STYB ATLR PB	BL BU LRAL RD	ATAZ BOLO	NP AN	19 JG				∅	
1835	ST BB KK coming down from their night nest and started moving.									
1840	KK AJ ST BB RD and BL family with NP separated from the rest.									
1844	KK and BB made joint vocal displays others made pant hoots as they climbed into FBR and started feeding on RF.									

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

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
1844	KK		10sec					None							Social excitement	G

Copulation

Time	Duration	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
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KPC Behavior

DAY 23 MONTH AUG YEAR 2009 KPC KJ OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1845	KK BB ST AJ	BL BU RD	BO	NP	10 17	L	FBR	RF	Ø	
1854	BB moved towards RD who had paint barking.									
1859	ST RD and KK coming out of the FBR.									
1850	KK BB AJ ST	BL BU RD	BO	NP	10 17	L	FBR	RF	Ø	
1905	AJ entered into an old nest in a UVA of about 12 cm dbh at 10 metres high.									
1907	KK entered into an old nest and started improving. tree to dea. dbh 15 cm. Height 9 metres.									
1915	BB KK AJ ST	BL BU RD	BO	NP	17 10	L	FBR	RF	Ø	
1930	BB KK AJ ST	BL RD BU	BO	NP	"				Ø	
1932	ST making a night nest in UVA of about 27 cm dbh at 17 metres high.									
1936	Obs. leaving the nesting site.									

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

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		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

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