DAY 21st MONTH Aug YEAR 09 OBS-PC SM TMF/40 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	GRID	MNK	SP	PT
Estrus													3																									3									
5:45																																														
6:00																																														
6:15																																														
6:30			X		X								X	X	X																								X			0/28	None	—	—
6:45			X		X								X	X	X																								X			11		—	—
7:00			X	X	X		X	X			X		X	X	X																								X		X	0/27		FNA	RF
7:15			X	X	X		X	X			X		X	X	X																								X		X				
7:30			X	X	X		X	X			X		X	X	X																								X		X				
7:45			X	X	X		X	X			X		X	X	X																								X		X		↓		
8:00			X	X	X		X	X			X		X	X	X																								X		X		None		
8:15			X	X	X		X	X			X		X	X	X																								X		X		Blu		
8:30			X	X	X		X	X			X		X	X	X																								X		X				
8:45			X	X	X		X	X			X		X	X	X																								X		X		↓		
9:00			X	X	X		X	X			X		X	X	X																								X		X		Blu		
9:15			X	X	X		X	X			X		X	X	X																								X		X		↓		
9:30			X	X	X		X	X			X		X	X	X																								X		X		↓		
9:45			X	X	X		X	X			X		X	X	X																								X		X		↓	✓	↓
10:00			X	X	X		X	X			X		X	X	X																								X		X		↓	FNA	RF
10:15			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
10:30			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
10:45			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
11:00			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
11:15			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
11:30			X	X	X		X	X			X		X	X	X																								X		X		↓	—	—
11:45			X	X	X		X	X			X		X	X	X																								X		X		None	—	—
12:00			X	X	X		X	X			X		X	X	X																								X		X			—	—
12:15			X	X	X		X	X			X		X	X	X																								X		X			—	—
12:30			X	X	X		X	X			X		X	X	X																								X		X		✓	✓	—	—
12:45			X	X	X		X	X			X		X	X	X																								X		X		0/27	None	—	—
	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
13:00				X	X		X	X					X	X	X																								X		X		0/27	None	—	—
13:15				X	X		X	X					X	X	X																								X		X		↓	"	—	—
13:30				X	X		X	X					X	X	X																								X		X		↓	"	FBX	YL
13:45				X	X		X	X					X	X	X																								X		X		↓	RDC	FBR	RF
14:00				X	X		X	X					X	X	X																								X		X		↓	↓	↓	↓
14:15				X	X		X	X					X	X	X																								X		X		↓	↓	↓	↓
14:30				X	X		X	X					X	X	X																								X		X		↓	↓	↓	↓
14:45				X	X		X	X			X		X	X	X																								X		X		↓	↓	↓	↓
15:00				X	X		X	X			X		X	X	X																								X		X		↓	↓	FBR	RF
15:15				X	X		X	X			X		X	X	X																								X		X		↓	↓	—	—
15:30				X	X		X	X			X		X	X	X																								X		X		↓	↓	—	—
15:45				X	X		X	X			X		X	X	X																								X		X		↓	RDC	—	—
16:00				X	X		X	X			X		X	X	X																								X		X		↓	None	—	—
16:15				X	X		X	X			X		X	X	X																								X		X		↓	↓	—	—
16:30				X	X		X	X			X		X	X	X																								X		X		↓	↓	FNA	RF
16:45				X	X		X	X			X		X	X	X																								X		X		↓	↓	↓	↓
17:00				X	X		X	X			X		X	X	X																								X		X		↓	↓	↓	↓
17:15				X	X		X	X			X		X	X	X																								X		X		↓	↓	FNA	RF
17:30				X	X		X	X			X		X	X	X																								X		X		↓	↓	TBL	YL
17:45				X	X		X	X			X		X	X	X																								X		X		↓	↓	SOIL	SL
18:00				X	X		X	X			X		X	X	X																								X		X		↓	↓	CAF	YL
18:15				X	X		X	X			X		X	X	X																								X		X		↓	↓	"	"
18:30				X	X		X	X			X		X	X	X																								X		X		↓	↓	"	"
18:45				X	X		X	X			X		X	X	X																								X		X		0/27	None	—	—
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	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	4		1	1			1		1	1	1																								1		1					

COMMENTS AJ has awound on heel of his left foot.
Blu, RDT from 915 — 1130.

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

BL① BU③ RD② KPC Behavior

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
619	OBS arrived at the nest site									
622	BB leaving overnight nest									
630	BB AJ	BL BU	BO	NP	KTM Krd				Ø	
642	BU leaving overnight nest									
643	BO and BL leaving their night nest-									
644	Chimps climbed down and moving on ground									
645	BB AJ	BL BU	BO	NP	KTM Krd				Ø	
658	Chimps joined other ID's in Pant hoots and food barks				FNA		Free all they	Made		FBK
700	BB KK AJ LK PB yB	BL BU RD	BO	NP	19 J9	✓	FNA	RF	Ø	
715	BB KK LK PB AJ yB	BL BU RD	BO	NP	"	✓	"	"	Ø	
718	KK made NVD and chased BU who fled screaming and he made attack① to BL with kicks and slaps she fled screaming, BB also avoid casual silent									
722	LK made NVD and chased BL who fled screaming he made attack① to her with a slap continued chasing her and KK made NVD, chased BU who fled screaming Others fled pant barking									

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
718	KK		6sec	3sec				BU		F	Scream				Sexual competetion	T
718	KK				✓			BL		F	Scream				~~food~~ competetion	T
722	LK		4sec	3sec	✓			BL		F	Scream				Unknown	T
722	KK		3sec	4sec				BU		F	Scream				Unknown	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

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
729	LK made NVD and chased RD who fled screaming									
	and leave the feeding tree. Others made pant									
	barks									
730	LK BB KK PB AJ YB	BL RD BU	BO	NP	19 JG	✓	FNA	RF	Ø	
731	LK made NVD PB fled pant barking									
735	LK made NVD RD and PB fled pant barking									
739	LK Made NVD and chased BU who fled Screaming									
	RD NP both fled silent									
745	LK BB KK PB AJ YB	BL BU RD	BO	NP	19 JG	✓	FNA	RF	Ø	
800	LK BB KK PB AJ YB	BL BU RD	BO	NP	11	✓	11	11	Ø	
815	LK BB KK PB AJ YB	BL BU RD	BO	NP	11	✓	11	11	BU	
818	BL grooming BO									
819	RD grooming PB									
828	BO grooming BL and PB grooming RD									
830	LK BB KK PB AJ YB	BL BU RD	BO	NP	19 JG	✓	FNA	RF	BU	
830	LK Chased BU who fled screaming									
831	LK made NVD and chased BL				BO		both	fled		
	screaming									

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
729	KK		6sec	8sec				RD		F	Scream				food competition	T
731	LK		4sec					PB		F	pant-bark				Unknown	T
735	LK		5sec					RD PB		F	pant bark				Unknown	T
739	LK		6sec	4sec				BU		F	Scream				Sexual competition	T
830	LK			3sec				BU		F	Scream				" "	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

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
835	LK chased PB and RD both fled screaming									
837	PB approached LK and he groomed him									PTG
845	KK LK BB PB AJ YB	RD BL BU	BO	NP	19/JG	✓	FNA	RF	BU	
900	KK BB LK PB AJ YB	RD BL BU	BO	NP	"	✓	"	"	"	
903	LK chased PB and RD both fled screaming									
909	BL Pant grunted to LK he ignored									PTG
909	LK chased RD she fled screaming									
915	LK BB KK PB YB AJ	RD BL BU	BO	NP	19/JG	✓	FNA	RF	BU RDT	
930	LK KK PB BB AJ YB	RD BL BU	BO	NP	"	✓	"	"	"	
945	LK KK PB BB AJ YB	RD BL BU	BO	NP	"	✓	"	"	"	
1000	LK KK PB BB AJ YB	RD BL BU	BO	NP	"	✓	"	"	"	
1013	chimps leaving the feeding area and moving on ground									
1014	LK grooming BB									
1015	KK BB AJ YB PB LK	BL BU RD	BO	NP	19/JG				BU RDT	
1015	BL approached Pant grunting to LK and she presented to him LK inspected her by touch and smell on estrous									PTG

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

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
835	LK			45ec				PBRD		F	Scream				Unknown	T
903	LK			35ec				PBRD		F	Scream				Unknown	T
909	LK			35ec				RD		F	Scream				Sexual competetion	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

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS ~ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1016	LK grooming KK									
1021	AJ approach BL she pant grunted to him and									PTG
	AJ groomed her									
1025	AJ has a wound on heel of his left foot									
1030	KK BB AJ JB LK PB	BL BU RD	BO	NP	19 JG				BU RBT	
1030	KK grooming LK									
1033	Hand clasp mutual groom KK ↔ LK									HCG
1034	KK and BB both grooming LK									
1035	LK and KK both grooming BB									
1036	BL grooming BO									
1043	BB grooming LK and KK looking at them									
1044	KK groomed BB shortly									
1044	KK grooming aleaf for 62sec he groomed									TLU
	BB before and after									
1045	KK BB BB LK PO JB	BU BL RD	BO	NP	19 JG				BU RBT	
1048	LK charged and BL pant grunted to him								LK	PTG
	ignored									
1046	LK grooming YB									

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

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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1047	AJ approach pant grunting to	KK			KK	and they			made	PTG HCG
	Hand clasp mutual groom	KK <-> AJ								
1048	KK groomed AJ after hand clasp									
1048	LK grooming BB									
1051	YB approach pant grunting to	LK	who made							PTG
	NVD and KK joined him making	NVD						then AYB fled		
	Screaming BB AJ avoid casual silent	BL	BO							
	fled climbing up tree's pant barking									
1052	Chain groom YB -> KK -> BB									
1052	LK made NVD and KK joined him making	NVD								
	LK Chased PB who fled screaming climbing									
	a tree									
1054	Chain groom LK -> KK ->	AJ								
1056	KK grooming BB									
1057	BO grooming BL									
1100	KK BB AJ LK PB YB	BL BU RD	BO	NP	19 JG				BLU RD	
1111	BL approach pant grunting to	LK	he touch on							PTG
	her									

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
1051	LK		6sec					YB		F	Scream				Unknown	G
1051	KK		4sec					BB AJ		C	Silent				Unknown	G
1052	LK		5sec 3sec					PB		F	Scream				Unknown	G
1052	KK		4sec					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?)

1048 Chimps resting on ground

KPC Behavior

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1113	PB approach pant grunting to KK					he ignored				PTG
1115	KK BB PB AJ YB LK	BL BU RD	BO	NP	19/JG				BU RD	
1119	KK made VD and buttress bangs					PB made pant				
	banks									
1122	KK made NVD AJ fled pant				banking and				BB	
	fled silent climbing a tree									
1130	KK BB PB AJ YB LK	BL BU RD	BO	NP	19/JG				BU RD	
1135	Chimps started moving									
1140	KK and LK made joint VD and buttress bangs									
	BO and BL made pant hoots									
1142	PB playing with BO by tickling and					make soft bites				AP
	each other									
1145	KK BB AJ LK PB YB	BL BU RD	BO	NP	17/JG				Ø	
1147	AJ approached to BL she pant grunted, and									PTG
	presenting to him, AJ inspected BL by touch on									
	estrous and groomed her									
1200	KK BB YB LK AJ PB	BL BU RD	BO	NP	17/JG				Ø	
1202	BO made attack (!) to RD with a slap				RD	retaliate screaming				
	exchaged slaps with BO, then BO fled screaming BL made near barks									
	and KK intervened make NVD RD fled screaming climbing a tree									

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
1119	KK	35sec						None							Unknown	G
1122	KK		6sec					AJ BB		F	Pant bark				Unknown	G
1140	KK LK	8sec						None							Unknown	G
1202	BO				✓			RD	✓		Scream		✓		Unknown	G
1202	KK		6sec					RD		F	Scream				Protection	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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1215	KK BB YB PB LK AJ	BL BU RD	BO	NP	17 JG				Ø	
1230	KK BB YB PB LK AJ	BL BU RD	BO	NP	"				Ø	
1245	KK BB YB PB LK AJ	BL BU RD	BO	NP	"				Ø	
1247	Heard distant calls from West of NKE and									
	BL made screams Mount AJ and KK mounted									
	YB at sametime all made noises. Then									
	BL groomed AJ and KK groomed YB									
1250	BB and PB are out of view									
1259	BL approach Pant grunting to LK he groomed									PTG
	her									
1300	LK KK YB AJ	BU BL RD	BO	NP	17 JG				Ø	
1302	BL approach Pant grunting to AJ he ignored									PTG
1303	LK grooming AJ									
1305	AJ grooming LK									
1307	KK made vocal displays but no one responded									
1308	Hand clasp mutual groom LK <-> AJ									HCG
1308	LK groomed AJ after hand clasp									
1310	AJ grooming LK									

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
1307	KK	3sec						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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1315	KK YB LK AJ	BL BL RD	BO	NP	17 JG				Ø	
1315	BO playing with NP by wrestling and tickling									
	make soft-bites each other									
1315	LK grooming AJ									
1325	KK made VD and buttress bungs and LK AJ									
	also made VD LK made buttress bungs									
	Others pant hooted									
1328	KK made NVD and buttress bungs but no									
	One responded									
1328	LK KK LK climbed into FEX tree while KK AJ									
	making food grunts and they started feed									
	ing on young leaves									
1330	AJ LK KK YB	BL BL RD	BO	NP	17 JG	V	FEX	YL	Ø	
1344	KK and LK made joint VD YB fled screaming									FBK
	at same time RD KK LK AJ climbed into FBR									
	tree making pant hoots and food barks and									
	started feeding on ripe fruits									
1345	LK YB AJ KK	BL BL RD	BO	NP	10/17	V	FBR	RF	RDe	

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
1325	KK	45sec						None							Unknown	G
1325	LK AJ	35ec						None							Unknown	G
1328	KK		35ec					None							Social excitement	G
1344	KK LK	10sec						YB		F	Scream				Social excitement	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 24st MONTH AUG YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1400	KK YB AJ LK	BU RD BL	BO	NP	10/17	✓	FBR	RF	RDC	
1414	LK approach BU for copulation						She fled screa			
	ming he continue chasing her both leave the									
	feeding tree									
1415	KK YB AJ LK	BU RD BL	BO	NP	10/17	✓	FBR	RF	RDC	
1416	BU entered the feeding ~~tree~~ again									
1421	AJ and KK leaving the feeding tree									
1423	YB leaving the feeding tree									
1425	BL and BO leaving the feeding tree and									PTG
	BL approach pant grunting to LK the groom									
	ed her									
1430	LK KK YB AJ	BU RD BL	BO	NP	10/17	✓	FBR	RF	RDC	
1437	RD grooming NP									
1439	Chimps all leaving the feeding tree and									
	resting on ground									
1442	BB PB joined the party PB pant grunted to								LK	PTG
	he ignored									
1443	PB climbed into a feeding tree									

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
1414	LK			6sec				BU		F	Scream				Sexual 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

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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1444	RD build a day nest		three = BOS			HT = 8m				
1445	KK PB AJ YB LK BB	BU BL RD	BO	NP	10/17	✓	FBR	RF	RDC	
1456	KK grooming BB									
1500	KK LK BB PB YB AJ	BU BL RD	BO	NP	10/17	✓	FBR	RF	RDC	
1506	NP made NVD against RD, she retaliate while scre									
	aming chased NP who fled screaming again RD									
	made attack (1) to NP with kicks and slaps									
1513	PB leaving the feeding tree									
1515	KK PB YB AJ BB LK	BU BL RD	BO	NP	10/17				RDC	
1525	LK grooming KK									
1526	KK grooming LK									
1530	KK BB YB AJ PB LK	BU BL RD	BO	NP	10/17				RDC	
1532	LK grooming KK									
1541	Hand clasp mutual groom KK <-> LK									HCG
1542	KK groomed LK after hand clasp									
1545	AJ BB PB YB LK KK	BL BU RD	BO	NP	10/17				RDC	
1548	LK grooming KK									
1554	KK grooming LK									

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
1506	NP		35sec		✓			RD	✓		Scream		✓		Unknown	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

DAY 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1555	KK made NVD and chased PB RD				RD	both	fled	scre		
	aming climbing up tree's and AJ avoid						casual	silent		
	at Same time LK BB made				NVD					
1557	LK grooming AJ									
1600	LK AJ PB BB LK YB	BL BU RD	BO	NP	10/17				Ø	
1600	KK made NVD and buttress bangs and LK also									
	made NVD then PB made pant barks									
1601	KK made NVD but no one responded									
1602	AJ feeding on ANT young leaves									
1611	LK grooming AJ									
1614	LK approach BU for copulation She avoid casu									
	al pant barking he continue chasing her, She									
	fled Screaming climbing a tree, again BU turn									
	back retaliating while screaming chasing LK who									
	fled making NVD at Same time KK made NVD									
	dragging a stick AJ avoid casual Silent									
	Others made Near barks									
1615	BB AJ LK KK PB YB	BL RD BU	BO	NP	10/17				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
1555	KK		6sec 4sec					PB RD		F	Scream				Unknown	G
1555	LK BB		4sec					None							Unknown	G
1600	KK		4sec					None							Unknown	G
1600	LK		3sec					None							Unknown	G
1601	KK		3sec					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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1617	KK made VD and buttress brings Some									
	One made pant barks									
1619	KK made VD and buttress brings Some									
	one fled screaming at same time chim									
	PS climed into FNA tree and started									
	feeding Silent									
1630	BB KK AJ PB YB	BL BU RD	BO	NP	19 JG	✓	FNA	RF	Ø	
1645	BB KK AJ PB YB	BL BU RD	BO	NP	"	✓	"	"	Ø	
1700	BB KK AJ PB YB	BL BU RD	BO	NP	"	✓	"	"	Ø	
1715	BB KK AJ PB YB	BL BU RD	BO	NP	"	✓	"	"	Ø	
1716	chimps leaving the feeding tree and Moving									
1718	chimps started feeding on THV while									
	moving									
1728	KK and AJ feeding on TRI young leaves									
1730	BB KK YB AJ PB	BU BL RD	BO	NP	19 JG	✓	TRI	YL	Ø	
1744	LK feeding on red soil from along side the road									
1745	BB KK YB AJ PB	BU BL RD	BO	NP	OLI NFP	✓	SOIL	SL	Ø	
1749	KK Chased PB and RD both fled Screaming climbing up tree's									

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
1749	KK			Sec				PBRD		F	Scream				Unknown	J

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 21st MONTH Aug YEAR 09 KPC SM OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1751	KK AJ LK	feeding on CAF young leaves and								FBK
	KK made food barics									
1800	BB KK AJ PB LK YB	BL RD BU	BO	NP	OLT NFP	✓	CAF	YL	Ø	
1800	KK made NVD and chased RD who fled screaming									
	at same time LK chased PB he fled screaming									
1801	LK KK AJ made food grunts while feeding									
	on CAF young leaves									
1815	BB KK LK AJ PB YB	BL RD BU	BO	NP	OLT NFP	✓	CAF	YL	Ø	
1825	LK building a night nest tree = Albizia							HT=12m		
	Dbh = 18cm									
1830	BB KK LK AJ PB YB	BL RD BU	BO	NP	OLT NFP	✓	CAF	YL	Ø	
1839	RD building a night nest tree = Albizia HT									
	= 18m	Dbh = 28cm								
1845	BB YB LK KK AJ PB	BL RD BU	BO	NP	OLT NFP				Ø	
1850	OBS leaving the nest site									

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
1800	KK		3sec	10sec				RD		F	Scream				food competetion	T
1800	LK			3sec				PB		F	Scream				" " "	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?)