DAY 18th MONTH 10 YEAR '09 OBS-PC Em TMF/40 Jm 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	QL	TD	GRID	MNK	SP	PT
Estrus													3						12				1						1						1	1												
5:45																																																	
6:00																																																	
6:15																																																	
6:30																																																	
6:45																																																	
7:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X	X				X						X	X				X	X	X			M/27	None	—	—
7:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X					—	—
7:30	X	X	X	X	X	X	X	X	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	X	X					X						X	X				X	X	X					—	—
8:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X					—	—
8:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X					—	—
8:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			↓		CAF	YL
8:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			M/27		THV	THV
9:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			N/27		—	—
9:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X					CHT	YL
9:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
9:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
10:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
10:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
10:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
10:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
11:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
11:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
11:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
11:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
12:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
12:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
12:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			↓	↓	↓	↓
12:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			N/27	None	CHT	YL
	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	QL	TD				
13:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X			N/27	None	CHT	YL
13:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
13:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
13:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
14:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
14:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
14:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X						X	X				X	X	X						
14:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
15:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
15:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
15:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
15:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
16:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
16:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
16:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
16:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
17:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
17:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
17:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
17:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
18:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
18:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
18:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
18:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
19:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	X					X			X			X	X				X	X	X						
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	QL	TD	GRID	MNK	SP	PT
Health	1	1	1	1	1	1	1	1	1	1	1	1	1		1				1	1	1	1	1	1					1			1			1	1				1	1	1						

COMMENTS NO monkeys encountered.

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

Day 18th Month 10 Year 2009 KPC Fm Others Jm AG Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
650	Obs arrived at the nest site after the rain									
	and found some ids had left the nests.									
658	AJ grooming ms.									
700	TJ MSST YBBBAJ TUESPG LKKK PB	BLOU QTOT WLTG	BOAT TTOG WCQN	TSTD OMOL NPEU	28 EX /JG					
702	TU leaving the night nest.									
707	BB leaving the night nest.									
714	PG ST leaving the night nests.									
715	MSST YBBB AJ TUES LKKKTJ PGPB	BLOU QTOT WLTG	BOAT TTOG WCQN	TSTD OMOL NPEU	28 Ex /JG					
718	YB leaving the night nest.									
720	AT leaving the night nest.									
723	OT leaving the night nest.									
725	OU leaving the night nest.									
730	TJ LKKK YBBBAJ MSSTTU ESPG PB	OUOT WL QT BLTG	BOAT TTOG WCQN	OMOL TSTD EU NP	28 Ex /JG					
735	Some one pant hooted and PG made vocal displays									
	and ST casually avoided him pant hooting.									

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
735	PG	5secs						ST		C	✓				social excitement	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?)

TG ① OU ① WL ① QT ① OT ② BL ③

KPC Behavior

Day 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	MSST YBBBAJ TUESPG LKKK TJPB	BL QT OU OT WL TG	BOAT WC QV TT OG	TDTS OMOL NP EU	28 Ex /JG					
746	AJ grooming LK and TU grooming ST.									
748	LK grooming AJ.									
751	MS grooming ST.									
753	BB grooming TU.									
756	TU grooming BB.									
759	Hand clasp mutual groom TU ⇆ ST									Hcg
800	MSST YBBBAJ TUESPG LKKK TJPB	OTTG BL OU WL QT	BOAT WC QV TT OG	TDTS OMOL NP EU	28 Ex /JG					
801	TU grooming ST.									
814	KK made vocal displays and LK fled screaming									
	then waarbarked and immediately TU MS ST AJ PG									
	BB made vocal displays and waarbarks, others									
	chasing BL who fled screaming.									
815	MSST YBBBAJ TUESPG LKKK TJPB	OTTG BL OU WL QT	BOAT WC QV TT OG	TDTS OMOL NP EU	28 Ex /JG					
816	Some one copulated with BL and was chased									

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
814	KK	15 secs						LK		F	✓				Sex Competition	T

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 18th Month 10 Year 2009 KPC Fm Others JMAG Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	amidst	screams	and	waarbarks.						
817	AJ chased	BO	who	fled screaming	and	other				
	males	made	waarbarks.							
819	KK BB LK TUMS	and	AJ	made joint vocal	displays					
	and KK BB	made	attack	one to	BL	by	kicking			
	and she	screamed	but	didn't avoid.	Several					
	others	made	waarbarks.							
822	MS	copulated	and	AJ KK LK TU	made	vocal	displays			
	and he	casually	avoided	screaming.						
830	MSST LKKKAJ TUESPG YBBB TJPB	BLOU QTOT TGWL	BOAT WCQV TTOG	TDTS OMOL NPEU	28 Ex /JG	✓	CAF	YL		
844	There	was	a	fight in dense	vegetation					
	and there	was	alot	of screams	and	waarbarks.				
845	MSSTPB LKKKAJ TUESPG YBBB TJ	BLOU QTOT TGWL	BOAT WCQV TTOG	TDTS OMOL NPEU	K /JG	✓	THV	THV		
847	KK AJ	made	a	coalition	and	fought	against			
	TUBBMS	who	fought	back while	screaming	and	waarbarking.			

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
817	AJ			16 secs				BO		F	✓				Sex competetion	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
822	3 sec	BL	MS	Yes	No	No	No	MS	
830	6 secs	BL	AJ	No	No	No	No	AJ	

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 18th Month 10 Year 2009 KPC Fm Others JM AG Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
853	After several minutes of			serious	fighting,					
	LK joined AJ KK		while	ST YB	joined		MS BR TY			
	but still	LK AJ KK	fought	them	seriously and					
	there was alot of screams and				wear barks.					
854	PB copulated with		BL and	LK	chased him					
	and he	fled screaming	as the	others	wear barked					
855	LK made	vocal displays	and	KK	mounted					
	MS and	both made	soft	screams.						
856	LK grooming TY and		KK	grooming MS.						
900	MSST LK KK AJ TU ES PG YB BB PB TJ	BL OU ST TG WL OT	BO AT WE GN TT OG	TD TS OM OL NP EH	10/KRD					
904	some males	made vocal	displays	and	others					
	fled screaming	and	wear barking.							
915	PB MSST LK KK AJ TU ES PG YB BB TJ	BL OU ST TG WL OT	BO AT WE GN TT OG	TD TS OM OL NP EH	10/KRD	✓	CHT	YK		
930	PB MSST LK KK AJ TU ES PG YB BB TJ	BL OU ST TG WL OT	BO AT WE GN TT OG	TD TS OM OL NP EH	4	✓	4	4		
945	PB MSST LK KK AJ TU ES PG YB BB TJ	BL OU ST TG WL OT	BO AT WE GN TT OG	TD TS OM OL NP EH	10/KRD	✓	CHT	YK		

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
855	LK	35ecs						MS KK		NO	✓				Sex competition	9

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 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1000	MSST LKKLAJ YBBBPG TUES TJPB	BLOU QTTG OTWL	BOAT TTOG WCQV	TSTD OMOL NPEU	10/KRD	✓	CHT	YL		
1008	ST grooming TU.									
1015	PB MSST LKKKAJ YBBBPG TUES TJ	BLOU QTTG WLOT	BOAT TTOG WCQV	TDTS OMOL NPEU	10/KRD	✓	CHT	YL		
1020	TU LK grooming BB.									
1021	ST mounted LK and both made soft screams.									
1022	ST approached BL for copulation but KK YB									
	approached them and ST stopped the move.									
1022	AJ grooming MS.									
1023	KK copulated with BL									CP
1023	ST grooming YB.									
1027	LK grooming TU.									
1030	PB MSST LKKKAJ YBBBPG TUES TJ	BLOU QTTG WLOT	BOAT TTOG WCQV	TDTS OMOL NPEU	10/KRD	✓	CHT	YL		
1039	Hand clasp mutual groom LK ⇆ ST									Hcg
1040	BL grooming BO and LK grooming ST.									
1042	KK grooming YB and ST grooming MS.									

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

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

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1023	8 secs	BL	KK	NO	NO	NO	NO	KK	

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 18th Month 10 Year 2009 KPC Fm Others Jm Found M

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1045	YB BB LK KK AJ PG TJS TMS PB TU ES	BL OU QT TG WL OT	BO AT TT OG WC QV	TD TS OM OL NP EU	10/KRD	✓	CHT	YL		
1054	BB grooming KK and LK grooming AJ.									
1056	BB copulated with BL and BO interfered									CP
	by pushing him.									
1057	BB grooming KK and AJ grooming TU.									
1059	ST grooming BB and BL grooming BO.									
1100	MS ST LK KK AJ YB BB PG TU ES TJ PB	BL OU QT TG WL OT	BO AT TT OG WC QV	TD TS OM OL NP EU	10/KRD	✓	CHT	YL		
1101	TU grooming AJ.									
1104	ST copulated with BL and after 2 secs she fled									
	screaming, then he made attack one to her by									
	kicking and she fled screaming.									
1106	ST mounted KK, then approached BL for cop.									
	but she casually avoided him.									
1112	YB approached pant grunting and groomed AJ.									PTG
1115	MS ST LK KK AJ YB BB PG TU ES TJ PB	BL OU QT TG WL OT	BO AT TT OG WC QV	TD TS OM OL EU NP	10/KRD	✓	CHT	YL		

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
1104	ST				✓			BL		F	✓				Sex Competetion	T

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1056	5 secs	BL	BB	Yes	No	No	No	BB	
1104	2 secs	BL	ST	Yes	No	No	No	ST	BL ran away.

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 18th Month 10 Year 2009 KPC Fm Others JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1125	AJ grooming BB.									
1127	LK grooming YB.									
1130	MSST LKKLAJ YBBBPB TUESPS TJ	BLOU RTTG WLOT	BOAT TTOG WCBW	TDTS EH OMOL NP	10 KRD	✓	CHT	YL		
1134	YB moved towards BL with an erection and									
	AJ made attack one to him by slapping and									
	biting and he fled screaming.									
1145	MSST LKKLAJ YBBBPB TUESPS TJ	BLOU RTTG WLOT	BOAT TTOG WCBW	TDTS EH OMOL NP	10 KRD	✓	CAF CHT	YL		
1151	BB feeding on CHT Bark.									
1153	TU grooming ST.									
1200	MSST LKKLAJ YBBBPB TUESPS TJ	BLOU RTTG WLOT	BOAT TTOG WCBW	TDTS OMOL EH NP	10 KRD	✓	CHT	YL		
1200	MS grooming ST.									
1215	MSST LKKLAJ YBBBPB TUESTPS	BLOU RTTG WLOT	BOAT TTOG WCBW	TDTS OMOL NPEH	10 KRD	✓	CHT	YL		
1216	Hand clasp mutual groom MS SST.									Hcg
1217	ST grooming MS.									
1230	MSST LKKLAJ YBBBPB TUESTJ PS	BLOU RTTG WLOT	BOAT TTOG WCBW	TDTS OMOL NPEH	10 KRD	✓	CHT	YL		

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
1134	AJ				✓			YB		F	✓				Sex competition	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
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KPC Behavior

Day 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1234	PB approached BL for copulation but KK									
	made vocal displays and PB LK fled screaming.									
1237	ST grooming TU.									
1242	ST grooming BB.									
1245	MSST LKKKAJ YBBBPB TUES TJPG	BLOU QTTG WLOT	BOAT TTOG WC QV	TDTS OMOLEU NP	10 /KRD	✓	CHT	YL		
1256	AJ grooming ST.									
1257	chain grooming, LK→AJ→ST.									
1300	MSST LKKKAJ YBBBPB TUES TJPG	BLOU QTTG WLOT	BOAT TTOG WC QV	TDTS OMOL NPEU	10 /KRD	✓	CHT	YL		
1302	LK grooming TU and ST grooming AJ.									
1315	MSST LKKKAJ YBBBPB TUES TJPG	BLOU QTTG WLOT	BOAT TTOG WC QV	TDTS OMOL EU NP	10 /KRD	✓	CHT	YL		
1317	TU grooming LK.									
1322	KK BB made attack one to BL who fled									
	screaming but no one responded.									
1324	BB grooming KK.									
1330	MSST LKKKAJ YBBBPB TUES PG TJ	BLOU QTTG WLOT	BOAT TTOG WC QV	TDTS OMOL EU NP	10 /KRD	✓	CHT	YL		

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
1234	KK	9 secs						LKPB		F	✓				sex competetion	T
1322	KKBB				✓			BL		F	✓				sex competetion	T

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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KPC Behavior

Day 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1340	Chain groom, AJ → TU → LK.									
1344	AJ grooming TU.									
1345	PG MSST LKKKAJ YBBBPB TUES TJ	BLOU QT TG WL OT	BOAT TTOG QN WC	TDTS OMOL EU NP	10 /KRD	✓	CHT	YL		
1400	MSST LKKKAJ YBBBPB TUES TJPG	BLOU QT TG WL OT	BOAT TTOG WC QN	TDTS OMOL NP EU	"	✓	"	"		
1402	TU grooming LK.									
1407	Hand clasp mutual groom TU ⇆ LK.									HCG
1408	TU grooming LK.									
1409	LK grooming TU.									
1409	BB approached ST who mounted him while screaming, then approached (ST) BL for copulation but KK BB AJ made pant hoots, screams and waarbarks, and he didn't copulate.									
1411	AJ grooming BB.									
1415	TJ MSST LKKKAJ YBBBPB TUES PG	BL	BOAT	EU	10 /KRD	✓	CHT	YL		
1427	BB made non vocal displays chasing									

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

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		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
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1410 chimps separated and the females moved away.

LR ①

KPC Behavior

Day 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	PS who fled screaming but no one responded.									
1430	MSST LKKKAJ YBBBPB JUESTJ PS	BL	BOAT	EU	10/KRD	✓	CHT	YL		
1433	LR joined the party and PB approached									PTG
	then mounted her and she pant grunted.									
1434	LR grooming PB.									
1439	LK mounted BB while making soft screams									
	then groomed him.									
1440	LK copulated with BL									CP
1441	KK mounted and groomed BB									
1442	Hand clasp mutual groom PB ⇆ LR									HCG
1444	BB copulated with BL									CP
1445	MSST LKKKAJ YBBBPB JUESTJ PS	BLLR	LOBO AT	EU	10/KRD	✓	CHT	YL		
1445	MS mounted KK then copulated with BL									CP
1450	AJ approached BL for copulation and KK moved									
	towards them, then AJ started screaming and									

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

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

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1440	9secs	BL	LK	NO	NO	NO	NO	LK	
1444	8secs	BL	BB	NO	NO	NO	NO	BB	
1445	5secs	BL	MS	NO	NO	NO	NO	MS	

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 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	scratching him, threatened KK by shaking									
	branches but he ignored him.									
1452	AJ continued screaming, then LK approached									
	KK who mounted him. then BBTU MS on joined									
	AJ making waarbarks. LK KK started fighting									
	against them (coalition) with LK kicking AJ,									
	then MS and both fled screaming. BB kicked									
	ES who ran down screaming and there was									
	a lot of screams and waarbarks which lasted									
	several minutes as they chased each other.									
1459	TU copulated with BL.									CP
1500	MSST LKKKAJ YBBBPB TUESTJ PG	BLLR	BOAT LO	EU	10/KRD	✓	CHT	YL		
1502	ST grooming BO.									
1506	AJ approached and mounted KK and both									
	of them made soft screams.									

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

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

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1459	6seas	BL	TU	NO	No	yes	yes	TU	

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 18th Month 10 Year 2009 KPC Fm Others Jm Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1507	AJ copulated with BL.									CP
1515	PB MSST LKKK AJ YBBB PG TU ES TJ	BLLR	LOBO AT	EU	10/KRD					
1518	Some IDs made vocal displays and buttress bungs									
	and others waarbarked.									
1521	Chimps moved into THV at				19/10					
1530	PB MSST LKKK YBBB TU ES TJ PG AJ	BLLR	BOAT LO	EU	"	✓	THV	THV		
1545	PB MSST LKKK YBBB TU ES PG AJ TJ	BLLR	BOAT LO	EU	"	✓	"	"		
1549	ES made vocal displays and others									
	pant barked.									
1558	Some IDs made vocal displays and buttress									
	bungs but no one responded.									
1600	PB MSST LKKK YBBB TU ES PG AJ TJ	BLLR	BOAT LO	EU	19/10					
1605	Some IDs climbed into APH at				13/15					
1615	PB MSST TJ LKKK YBBB TU ES AJ PG	BLLR	BOAT LO	EU	"	✓	APH	RF		
1620	The females joined the party 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	Context	Height T or G
1549	ES	10 Secs						None							Unknown	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1507	7secs	BL	AJ	No	No	No	No	BL	

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 18th Month 10 Year 2009 KPC Fm Others Jm Found M

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1628	Chimps leaving the APH.									
1630	TJ MSST YBBBAJ LKKKPG TUES PB	BL WL QT LR	BOAT WC QV LO	EU	11/15	✓	CHT	YL		
1645	MSST YBBBAJ LKKKPG TUES PB TJ	BL LR WL QT	BOAT WC QV LO	EU	"	✓	"	"		
1700	MSST YBBBAJ LKKKPG TUES TJ PB	BL LR WL QT	BOAT WC LO QV	EU	11/15	✓	"	"		
1709	It started raining and some males made									RN/RD
	vocal displays and buttress bungs, chasing each other									
	and fled screaming then waarbarked.									
1715	TJ MSST YBBBAJ LKKKES TUPG PB	BL LR WL QT	BOAT WC LO QV	EU	10/10	✓	CAF	YL		
1722	Someone approached BL for copulation but									
	AJ KK made waarbarks chasing him, then LK									
	also ran down the tree screaming.									
1728	KK made vocal displays and buttress bungs									
	then most of them climbed into FEx.									
1730	MSST YBBBAJ LKKKES TUPG TJ PB	BL LR WL QT	BOAT WC LO QV	EU	8/10	✓	FEx	YL		
1745	MSST YBBBAJ LKKKES TUPG TJ PB	BL LR WL QT	BOAT WC LO QV	EU	"	✓	"	"		

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

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

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KPC Behavior

Day 18th Month 10 Year 2009 KPC Fm Others — Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1800	MSST LKKKAJ YBBBPG TUES PB TJ	BLWL QTLR	BOAT WCQN LO	EU	8/10	✓	FEx	YL		
1815	MSST LKKKAJ YBBBPG TUES TJPB	BLWL QTLR	BOAT WCQN LO	EU	"	✓	"	"		
1830	MSST LKKKAJ YBBBPG TUES TJPB	BLWL QTLR	BOAT WCQN LO	EU	8/10	✓	"	"		
1833	Chimps leaving the feeding tree.									
1840	LR building a night nest, 12m high, DBH									
	23 cm (E) sp. uvariopsis.									
1841	PG building a night nest, 9m high, DBH									
	12 cm (E) sp. uvariopsis.									
1845	MSST LKKKAJ YBBBPG TUES PB TJ	BLLR WL QT	BOAT WCLO QV	EU	C/JG					
1854	LK building a night, 8m high, DBH? SP. UVA.									
1856	more IDs nesting but hard to identify									
	them because of the rain.									
1900	MSST LKKKAJ YBBBPG PB TUES TJ	BLLR WL QT	BOAT WCLO QV	EU	C/JG					
1902	Obs leaving the nest site.									

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

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

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