DAY 19 MONTH 10 YEAR 09 OBS-PC SJ TMF/40 FM TW JM HOW FOUND NEST

Time	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	OZ	GRID	MNK	SP	PT
5:45																																															
6:00																																															
6:15																																															
6:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X		X	X			X	X	X	X				X		P/26	None	—	—
6:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X		X	X			X	X	X	X				X				—	—
7:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X		X	X			X	X	X	X				X				CHT	YL
7:15	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				〃	〃
7:45	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				〃	〃
8:15	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				—	—
8:45	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X													X				—	—
9:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X													X				—	—
9:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X													X				—	—
9:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X														X													X				CHT	YL
9:45	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				—	—
10:15	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				CHT	YL
10:45	X	X	X	X	X	X	X	X		X	X	X	X		X														X													X		O/26		〃	〃
11:00	X	X	X	X	X	X	X	X		X	X	X	X		X														X													X		O/26		—	—
11:15	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		O/25	None	—	—
11:45	X	X	X	X	X	X	X	X		X	X	X	X		X														X													X		O/24	RDC	FBR	RF
12:00	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				〃	〃
12:30	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	X	O/24	RDC	〃	〃
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	X	O/24	RDC	FBR	RF
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	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	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	X			CHT	YL
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	X	O/24		—	—
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	X	O/25		CHT	YL
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	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		RDC	〃	〃
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		BWC	〃	〃
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			CHT	YL
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			FBS	ML
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			CHT	YL
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	O/25	BWC	—	—
19:00																																															
19:15																																															
19:30																																															
19:45																																															
20:00																																															
20:15																																															
20:30																																															
Health	2	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 713 ST was heard coughing.

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

BL→(3) KPC Behavior DT→(1) LR→(1) WL→(1)

Day 19 Month 10 Year 09 KPC ST Others FM TW JM Found NEST

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
628	OBS arrive at nest site									
630	KK LK BB BA TJ PG PB TJ ES MS ST TU YB	BL QT WL LR	BO AT LO QV WC	EU.	C/JG				∅	
631	TJ left his night nest.									
636	BL left his night nest									
636	Copulation male approach TU→BL 6sec.									CP
	with no screams no dart.									
645	KK GB LK AJ PG ES PB TJ MS TU ST YB	BL QT WL LR	AT BO LO QV WC	EU	C/JG				∅	
655	Chimps climbed into CHT for feeding many food banks.									FBK
656	Copulation female approach				BL→KK 85sec silent					CP
700	KK BB LK AJ PG ES PB TJ MS TU ST YB	BL QT LR WL	AT BO LO QV WC	EU	10/4	V	CHT	YL	∅	
713	ST was heard Coughing.									
713	Chimps separated!									
715	KK GB TU AJ YB PG ES TJ PG MS LK ST	BL	AT BO	EU	10/4	V	CHT	YL	∅	
730	MS BB TU AJ PG ES PB TJ MS TU ST YB	BL	AT BO	EU	"	V	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

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 19 Month 10 Year 09 KPC ST Others FM TW JM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
734	AT approached BL for copulation, Itch									
	KK chased him and he fled screaming									
745	KK BB AT MS DG ES PB TJ TU ST YB LK	BL	BO AT	EU	10/4	V	CHI	YL	∅	
756	AT grooming	KK								
759	AT grooming BL.									
800	KK BB AT MS DG ES TJ PB ST LK TU YB	BL	BO AT	EU	10/4	V	CHI	YL	∅	
804	TU and ST Both grooming KK.									
812	TU grooming ST									
815	KK BB AT MS DG ES TJ PB ST LK TU YB	BL	BO AT	EU	10/4	V	CHI	YL	∅	
817	TU grooming									
818	Copulation male approach ST → BL 55sec with screams and dart.									CP
820	chan groom TU → KK → DG									
824	AT approach KK making soft screams KK mount-ed and groomed him &									

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
734	KK			bsec				AT		P	Scream				sexcompetition	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 19 Month 10 Year 09 KPC ST Others FmJm Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
826	BL grooming		BO							
829	KK grooming		ST							
830	KK MS LK BB PG ES TJ PB ST TH YB AJ	BL	BO AT	EH	10/4				∅	
"	YB grooming AJ									
831	Copulation male approach KK → BL 6 sec									CP
	with no screams no dent.									
845	KK MS LK AJ PG ES TJ PB ST TH YB BB	BL.	BO AT	EH.	10/4				∅	
900	KK MS LK AJ PG ES TJ PB ST TH YB BB	BL	BO AT	EH	10/4				∅	
901	BO grooming BL.									
905	KK grooming YB.									
906	Copulation male approach KK → BL 9 sec									CP
	with no screams no dent.									
911	BO grooming BL.									
912	BL grooming BO.									
915	KK MS LK AJ PG ES TJ PB ST TH YB BB	BL	BO AT	EH	10/4				∅	

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

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

Copulation

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

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP**: Copulation; **CY**: Carry; **DR**: Drink; **ELE**: Elephants; **FBK**: Food Bark; **HCG**: Hand-clasp groom; **HNY**: Honey
IGI: Intergroup interaction; **LF**: Leaf use; **MAT**: Monkeys attack; **PIG**: Pigs; **Pred**: Predation; **PTG**: Pant-grunt; **RN**: Rain
RD: Rain display; **SOIL**: Eating red soil; **STK**: Stick use; **TLU**: Tool use; **UNF**: Unusual food; **Q**: Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

Day 19 Month 10 Year 09 KPC ST Others FM JM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
919	Lk grooming		BL							
930	KK MS AJ LK PG ES TJ PB ST TU YB BB	BL	AT BO	Eu	10/4	✓	CHI	YL	Ø	
945	KK MS AJ LK PG ES TJ PB ST TU YB BB	BL	AT BO	Eu.	10/4	✓	CHI	YL	Ø	
950	Copulation male approach pg → BL 5 sec									CP
	without screams and dart but there's interferance									
	KK AJ made waar-barks approached pg and									
	he fled screaming									
951	Copulation male approach BB → BL 6 sec with no									CP
	screams no dart.									
957	AJ grooming BB.									
1000	KK MS AJ LK PG ES PB TJ ST TU YB BB	BL	AT BO	Eu	10/4				Ø	
1003	Tu grooming AJ									
1004	Tu grooming MS									
1012	. PG approach and groom KK									
1014	BO makes a day nest, Tree of nest TEC Height 8m									

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
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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 19 Month 10 Year 09 KPC SJ Others FM TM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1015	MS KK BB AJ PG ES TT PB LK ST TU YB	BL	AT BO	EU	10/4				∅	
1021	Copulation male	approach MS → BL					6 sec	silent		CP
1022	LK groom AJ									
1023	AJ grooming	LK								
1025	Handclasp mutual groom				LK ⇄ AJ					Hcg
1026	LK grooming	AJ after handclasp.								
1030	KK MS BB AJ PG ES PB TT LK ST TU YB	BL	AT BO	EU	10/4	✓	CHT	YL	∅	
1035	AJ grooming	MS								
1042	ES grooming	EU								
1045	KK MS BB AJ PG ES PB TT LK ST TU YB	BL	AT BO	EU	10/4	✓	CHT	YL	∅	
1047	AJ and KK climbed up into a tree where									
	there was bees in a hole while making									
	food bones KK put his hand inside but									FBK
	didn't get anything.									
1056	LK AJ TU Drink water from stream									DR

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

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

Copulation

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

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP**: Copulation; **CY**: Carry; **DR**: Drink; **ELE**: Elephants; **FBK**: Food Bark; **HCG**: Hand-clasp groom; **HNY**: Honey
IGI: Intergroup interaction; **LF**: Leaf use; **MAT**: Monkeys attack; **PIG**: Pigs; **Pred**: Predation; **PTG**: Pant-grunt; **RN**: Rain
RD: Rain display; **SOIL**: Eating red soil; **STK**: Stick use; **TLU**: Tool use; **UNF**: Unusual food; **Q**: Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

1058 PG separated from the party

KPC Behavior

Day 19 Month 10 Year 09 KPC SJ Others FM JM Found NESJ

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1057	KK and AJ hug each other while									
	making soft screams									
1100	KK MS BB AJ PB ES TJ LK TU ST YB	BL	AT BO	EU	5/7				Ø	
1104	Copulation male approach TU → BL 4sec									CP
	with no screams no dart.									
1105	AJ grooming KK.									
1107	AJ grooming KK									
1112	MS approach and groom AJ									
1114	Copulation male approach MS → BL 6sec									CP
	with no screams no dart.									
1115	KK MS BB AJ PB ES TJ LK TU ST YB	BL	AT BO	EU	5/7				Ø	
1119	AJ grooming MS.									
1124	KK made non-vocal displays and buttress									
	bungs BL and other IDs made pant-barks									
1125	Copulation Male approach AJ → BL 6sec silent									CP

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
1124	KK		6sec					BL		No	pant-barks				unknown	g

Copulation

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

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP**: Copulation; **CY**: Carry; **DR**: Drink; **ELE**: Elephants; **FBK**: Food Bark; **HCG**: Hand-clasp groom; **HNY**: Honey
IGI: Intergroup interaction; **LF**: Leaf use; **MAT**: Monkeys attack; **PIG**: Pigs; **Pred**: Predation; **PTG**: Pant-grunt; **RN**: Rain
RD: Rain display; **SOIL**: Eating red soil; **STK**: Stick use; **TLU**: Tool use; **UNF**: Unusual food; **Q**: Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

Day 19 Month 10 Year 09 KPC ST Others Fm Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1130	KL BB MS AJ PB ES TJ LK TH ST YB	BL	AT BO	EH	N/6				∅	
1143	chimps climbed into FBK making food barks and Pant-hoots.									
1144	RDC made alarm calls as the chimps were climbing up into FBK, three male RDC attacked AJ and AJ retaliated by pulling and dragging two of them, and they withdrew and AJ continued climbing up into the FBK,									
1145	KL QB AJ MS PB ES TJ LK TH ST YB	BL	AT BO	EH	G/2	✓	FBK		RF-RDC	
1150	three male of RDC approached and attack KK in the feeding tree, KK retaliated by fighting back while making Water-barks AJ approached fighting alongside KK and the over powered the RDC and chased them —									

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

to the end of the tree branches

KPC Behavior

Day 19 Month 10 Year 09 KPC SJ Others Em Jm Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1150	Copulation male approach KK →				BL		75sec			CP
	with no screams no vocal.									
1151	ES approached BL for Copulation, Male made —									
	waave barks then AT chased ES and he									
	fled screaming leaving the feeding tree									
1152	AT chased TJ as he was approaching BL									
	for Copulation and TJ fled screaming leaving									
	the tree.									
1154	Copulation male approach KK →				6sec		silent			CP
1155	Distant calls heard from North of K-14 and									
	the focal IDs made pant-hoots									
1200	KK BB MS AJ ES TJ PB LK TU ST YB	BL	AT BO	EM	G/2	V	FBR	RF		RDC
1215	KK BB MS AJ ES PB TJ LK TU ST YB	BL	AT BO	EM	"	V	"	4		RDC
1225	Distant calls heard from East of K-14									
	and the focal IDs made pant-hoots									

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
1152	AJ			9sec				TJ		F	Scream				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
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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 19 Month 10 Year 09 KPC SI Others Fm Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1228	RDC made alarm calls, and 3 male RDC approached AJ he made waar-barks KK approached Made waar-barks as RDC's advanced towards AJ and KK then KK grabbed and threw one male RDC who landed to another branch then they both chased the two RDC who we remaining and the RDC's fled but could not leave the feeding tree.									MAT
1230	KK BB AJ MS FS PB TJ JWS TLL YB	BL	AT BO	Eu	G/2	V	FBR	RF	RDC	
1239	Five male RDC made alarm calls and attacked AJ he made screams and waar-barks then KK approach fighting alongside AJ and they chased the RDCs but they could not leave the feeding tree.									MAT
1243	one male RDC attacked KK chasing him out of the feeding tree, While Other RDCs made alarms									MAT

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

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?)

Conti—

KPC Behavior

OU → ① OT → ②

Day 19 Month 10 Year 09 KPC ST Others FM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1243	and attacked AT and he retaliated and									MAT
	dragged one male RDC and then throwing the									
	RDC to the ground. At the same other RDCs leaving the feeding									
1244	tree. LR (to) QT (QV) NP WL (WC) and OU family joined the party making pant-barks									
1	and others didnt respond.									
1245	KK BB MS AT TJ ES PB LK TU ST YB	LR QT BL OU OT WL	WC BO AT OG LO QV	EU NP OL OM	G/2	✓	FBR	RF	RDC	
1259	Copulation male approach ST → BL 3 sec									CP
	there's interferance, KK made non-vocal displays									
	BL fled pant-barking ST avoid casual silent									
1300	KK BB MS AT ES PB TJ LK TU ST YB	OU QT WL LR BL OT	BO QV AT WC OG LO	NP EU OL OM	G/2	✓	FBR	RF	RDC	
1306	TJ KK BB climbed down from the feeding tree									
	followed by others.									
1315	KK BB MS AT ES PB TJ LK TU ST YB	OU QT WL LR BL OT	BO QV WC OG LO	NP EU OL OM	G/2	✓	FBR	RF	RDC	
1330	KK BB MS AT ES PB TJ LK TU ST YB	OU QT WL LR BL OT	BO OG WC QV LO	NP EU OL OM	G/2	✓	CHT FBR	YC RF	RDC	
1340	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

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 19 Month 10 Year 09 KPC SJ Others Fm Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1344	AJ grooming MS									
1345	KK MS BB AJ ES PB TJ LK TU ST YB	OU QT WL LR OT BL	OG BO LO QN WC	NP EU OL OM	G/2	✓	CHT	YL	RAC	
1346	Copulation male approach BB → BL 6 sec with CP									
	Screams but no dart.									
1350	MS grooming YB.									
1352	BL grooming BO.									
1352	MS grooming AJ									
1353	AJ grooming MS.									
1354	BO grooming BL.									
1356	BL grooming BO.									
1359	BO grooming BL									
1400	KK MS BB AJ ES PB TJ LK ST TU YB	OU LR BL QT WL OT	OG BO LO QN WC	NP EU OL OM	G/2				RAC	
1402	BL grooming BO.									
1406	Chimps climbed into CHT for feeding making									
	pant-hoots.									

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

KPC Behavior

Day 19 Month 10 Year 09 KPC SJ Others Em Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1415	KL MS BB WL LJ ES PB AJ ST TU YB	OU LR BL QT WL OT	OG BO LO QV WC	NP EM OL OM	J/4	✓	CHT	YL	RDC	
1430	KL MS BB LK ES PB TU AJ ST TU YB	OU LR BL QT WL OT	OG BO LO QV WC	NP EM OL OM	"	✓	"	"	RDC	
1443	OG made screams approached AJ then AJ Extend a hand touching chin, then OG groom AJ.				AJ	then	AJ		Extend	
1445	KL MS AJ LK ES TJ PB ST TU YB BB	QV LR OT QT WL BL	OG BO LO QV WC	NP EM OL OM	J/4	✓	CHT	YL	RDC	
1900	KL MS AJ LK ES TJ PB ST TU YB BB	OU LR OT QT WL BL	OG BO LO QV WC	NP EM OL OM	"	✓	"	"	RDC	
1515	KL MS AJ LK ES TJ PB ST TU YB BB	OU LR OT QT WL BL	OG BO LO QV WC	NP EM OL OM	"	✓	CHT	YL	RDC	
1530	KL MS AJ LK ES TJ PB BB ST TU YB	OU LR OT BL QT WL	OG BO LO QV WC	NP EM OL OM	J/4	✓	CHT	YL	RDC	
1544	ES approached BL for Copulation, Then AJ and ST made ~~non~~ Vocal displays chased ES and he fled screaming climbing a tree and at the same time ES climbed down making Screams and made Rump rub with AJ and thereafter ES groom AJ.									
1545	KL MS BB AJ ES PB TJ LK TU ST YB	OU LR BL QT WL OT	OG BO LO QV WC	NP EM OL OM	J/4	✓	CHT	YL	RDC	

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
1544	AJ ST		45s	9s				ES		F	Scream				Sex Competition	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 19 Month 10 Year 09 KPC SJ Others FM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1600	KK LK BB MS ES PB TJ AJ TU ST YB	OU BL LR QT WL OT	Og BO Lo QV WC	NP Eu OL Om	J/4	✓	CHT	YL	RDC	
1615	KK LK BB MS ES PB TJ AJ TU ST YB	OU BL LR QT WL OT	Og BO Lo QV WC	NP Eu OL Om	"	✓	"	"	RDC	
1628	ES and TJ approached BL for Copulation then									
	AJ Charged then ES and TJ fled screaming									
	making Waar-barks									
1630	KK LK BB MS ES PB TJ AJ TU ST YB	OU BL LR QT WL OT	Og BO Lo QV WC	NP Eu OL Om	J/4	✓	CHT	YL	BWC	
"	Copulation Male approach TU → BL 6 sec with									CP
	no dart no scream, Some males, ES TJ ST made waar-barks									
1631	Copulation male approach MS → BL 8 sec with									CP
	no dart no scream									
1645	KK MS BB AJ PB ES TJ LK ST TU YB	OU BL LR QT WL OT	Og BO Lo QV WC	NP Eu OL Om	J/4				BWC	
1651	LR grooming Lo									
1700	KK LK MS BB ES PB TJ AJ ST TU YB	OU BL LR QT WL OT	Og BO Lo QV WC	NP Eu OL Om	H/3				BWC	
1707	AJ grooming TU.									
1709	It started Drizzling									

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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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?)

1641 BL groom Bo

KPC Behavior

Day 19 Month 10 Year 09 KPC SJ Others FM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1710	TU grooming AJ									
1712	AJ grooming	BB								
1715	KL MS BB LK ES PB TJ TU ST AT YB	BL OU LR QT WL	DG BO LO QV WC	NP EU OM OL	H/3				BWC	
1717	BL moved towards TJ for Copulation then ST AJ TU chased him and he fled screaming									
1720	TG (D) TT and TS joined the Party making Pant bawes ES made non. Vocal displays and TG TT all fled Pant-bawking climbing trees TG made screams									
1725	It stopped drizzling.									
1730	KL MS LK BB TG OU BL LR TT OG BO LO AJ TU ST YB QT WL OT		QV WC AT	NP EU TS OL OM TD	H/3	V	CH	YL	BWC	
1736	AJ approach WL and She moved Casual Pant-bawking and She Extend a hand to AJ and AJ Extended his and they Shook.									
1738	LK grooming MS And Other IDs climbed FIG									
1740	TJ approached BL for Copulation, AJ chased him									

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
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and he fled screaming.

KPC Behavior

Day 19 Month 10 Year 09 KPC SJ Others FM Found NES

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745	KK MS AJ BB ES PB TJ LK ST TU YB	LR OU TG BL QT WL OT	TT OG AT BO QV WC LO	EU NP TS OL OM TD	H/3	✓	FEX	ML	BWC	
1754	AT approach pant-grunt to BB and he ignored									PTG
1800	KK MS AJ BB ES PB TJ LK ST TU YB	LR OU TG BL QT WL OT	TT OG AT BO QV WC LO	EU NP TS OL OM TD	H/3	✓	FEX CHT	ML YL	BWC	
1811	LR makes a night nest, Tree of nest UVA, Height 16m DBH = 22cm									
1815	KK MS AJ BB ES PB TJ LK ST TU YB	LR OU TG BL QT WL OT	TT OG AT BO QV WC LO	EU NP TS OL OM TD	H/3	✓	CHT	YL	BWC	
1821	ES made non-Vocal displays chased BL and she fled screaming through trees and other males made Waars									
1826	LK makes a night, Tree of nest UVA, Height 12m. DBH = 18cm									
1830	KK MS AJ BB	LR OU TG BL QT WL OT	TT OG AT BO QV WC LO	EU NP TS OL OM TD	H/3				BWC	
"	BL makes a night nest Tree of nest UVA Height 14m DBH 23cm									
1834	AJ makes a night nest, Tree of nest APH Height									

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
1821	ES		6sec	3secs				BL		F	Scream				unknown	g

Copulation

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

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15m, DBH 24cm
1750 ~~[illegible]~~ PB separated from the party

KPC Behavior

Day 19 Month 10 Year 09 KPC ST Others FM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1836	MS makes a night nest, Tree of nest									
	UVA, Height 13M, DBH 23 cm.									
1838	TU makes a night nest, Tree of nest									
	UVA, Height 11m, DBH 16 cm.									
1845	KK MS BB AJ ES PB TJ K ST TU YB	OU LR TJ BL QT WL DT	TT OJ AT LO BO QV WE	EU NP TS OL OM TD	H/3				BWC	
1850	OBS left 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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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?)