DAY 13th MONTH Aug YEAR 09 OBS-PC SM TMF/40 AG ICTW RM HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	OL	LA	AN	GRID	MNK	SP	PT
Estrus													1	3					1	1			1					1			1				1		1												
5:45																																																	
6:00				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		X	X		M/24	None	—	—
6:15				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		X	X				—	—
6:30				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		X	X				—	—
6:45				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		X	X				—	—
7:00				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		X	X				—	—
7:15				X							X	X	X	X	X				X	X	X	X	X	X	X										X	X	X	X			X		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				—	—
7:45				X			X	X			X	X		X																	X	X														↓		—	—
8:00				X			X	X			X	X		X																	X	X														M/24		—	—
8:15				X			X	X			X	X		X																	X	X														L/24		—	—
8:30				X			X	X			X	X		X														X	X	X	X	X													X	K/23		—	—
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			FNA	RF
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			PEN	PIth
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			THV	
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					↓		↓	
10:15				X				X						X																											X					K/23		THV	
10:30				X			X	X			X			X																	X	X			X	X	X	X			X					J/23		FBR	RF
10:45				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				↓	↓
11:15				X			X	X			X	X	X	X	X								X	X	X						X	X			X	X	X	X			X			X				FBR	RF
11:30				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			↓	—	—
12:00				X			X	X			X	X	X	X	X								X	X	X						X	X			X	X	X	X			X			X			None	THV	
12:15				X			X	X			X	X	X	X	X								X	X	X						X	X			X	X	X	X			X			X			RDC	″	
12:30											X																				X	X														↓	None	EHR	RF
12:45											X																				X	X														J/23	″	″	″
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	OL	LA	AN				
13:00											X																				X	X														J/23	None	EHR	RF
13:15											X																				X	X																″	″
13:30											X																				X	X																″	″
13:45											X																				X	X														↓		—	—
14:00											X																				X	X														J/23		—	—
14:15											X																				X	X														J/25		—	—
14:30											X																				X	X																FOT	RF
14:45								X			X		X		X																X	X									X							URH	RF
15:00								X			X		X		X																X	X									X					↓			
15:15								X			X		X		X																X	X			X	X	X	X			X					J/25		↓	↓
15:30								X			X																																			I/25		URH	RF
15:45				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			CNP	RF
16:15				X			X	X			X	X		X					X	X	X	X	X	X	X			X	X	X													X	X	X			THV	
16:30				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				
17:00				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				
17:30				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																																		THV	
18:00				X			X	X			X	X		X																																		COM	FL
18:15				X			X	X			X	X		X																																		″	″
18:30				X			X	X			X	X		X					X	X	X	X																					X					″	″
18:45				X			X	X			X	X		X					X	X	X	X																					X			↓	↓	—	—
19:00				X			X	X			X	X		X					X	X	X	X																					X			I/25	None	—	—
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	OL	LA	AN	GRID	MNK	SP	PT
Health				4			1	1			1	1	1	2	1				1	1	2	1	1	1	1			1	1	1	1	1			1	1	1	1			1		1	1	1				

COMMENTS YB has a healing wound on his battox. Bu has wet cough and OG has dry cough.

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

Bu (3) BL (1) Ou (1) OT (1) KPC Behavior TG (1) WL (1) QT (1)

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS ICTWRMAG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
555	OBs arrived at the nest Site									
600	YB PB TJ	BL TG OU OT WL QT BU	OG WC BO BV TT	TS TD OM DL NP	Q/14				Ø	
615	YB PB TJ	BL TG OU OT WL QT BU	OG WC BO BV TT	TS TD OM DL NP	11				Ø	
630	YB PB TJ	BL TG OU OT WL QT BU	OG WC BO BV TT	TS TD OM DL NP	M				Ø	
632	Some IB's leaving their night nests in darkness									
635	PB Leaving onight nest									
637	YB made non vocal displays and buttress bangs PB fled Pant barking and Others Made wraps									
645	YB PB TJ	BL TG OU OT WL QT BU	OG WC BO BV TT	TS TD OM DL NP	Q/14				Ø	
648	PB feeding on FUR young leaves									
650	OG was heard coughing (dry cough)									
653	PB approach Making Pant barks to TJ and resting together on ground									
657	PB feeding on TRI young leaves									
658	PB approach Pant grunting to YB he ignored									PTG
700	YB PB TJ	BL TG OU OT WL QT BU	OG WC BO BV TT	TS TD OM DL NP	Q/14				Ø	
702	YB approached PB who Pant grunted to him and YB turned back PB touch on YB's testacle								dyB	PTG

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

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
637	YB		10sec					PB		F	Pant bark				wake	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
704	6sec	BU	YB	NO	No	No	No	MA	

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 13th MONTH Aug YEAR 09 KPC SM OTHERS AG IC TW RM FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
705	TJ Made non vocal displays and PB Joined									
	him making non vocal displays and slapping									
	the ground Some IP's made Pant barks									
707	TJ made non vocal displays WL fled screami									
	ng climbing up atree									
708	YB chased PB who fled pant barking climb									
	bing up atree and Bu fled Silent climbing									
	up atree									
710	PB Made non vocal displays and chasseed									
	OU she fled screaming OU approach QT and									
	BU extended hand to QT and they Shake									
	hand									
711	PB made non vocal displays towards OU									
	and he made attack (1) to OU with a kick									
	She retaliate while Screaming and exchageed									
	Slaps with PB, Others made wraars									
713	PB Chaseed QT who fled Screaming and									
	TJ Intervened made non vocal displays PB									
	fled Making (NVD) QT and Others made wear barks									

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

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G
705	TJ		8sec					None							Unknown	G
705	PB		6sec					None							Unknown	G
707	TJ		10sec					WL		F	Scream				Unknown	G
708	YB			6sec				PB		F	pant bark				Unknown	G
710	PB		10sec	6sec				OU		E	Scream				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?)

LR ①

KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS Rm ICTWAG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
714	PB made vocal displays and chased OU who fled screaming and again retaliate wear barking chasing PB he fled making non vocal displays.									
715	YB TJ PB	OU BI BL TG O WE Oi	WE OG OY BOTT	TS OL TD DM NP	Q/14				Ø	
716	KK LK LR (LO) joined the party whom followed by FM and KK made non vocal displays and chased YB who fled screaming									
718	LK approach BU for copulation BU fled screaming and KK made non vocal displays chasing LK who fled screaming									
722	NP feeding on FEX young leaves Immediate she started coughing and vomiting									
725	KK chased BU who fled screaming others didn't respond									
726	BU was heard coughing (wet cough)									
730	KK LK YB TJ PB	BI OU LP WL TG O' Q BU	DG OQ WC BW TT	OL DM TD NP TS	Q/11				Ø	
740	Other ID's separated from the group and moved away									

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

Time	ID	VD Duration	NvD Duration	Chase	Attack 1	Attack 2	Attack 3	Victim ID	No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
714	PB		6sec	4sec				OU		F	Scream		✓		Unknown	G
716	KK		5sec	6sec				YB		F	Scream				reunion	G
718	KK		4sec	3sec				LK		F	Scream				Protection	T
725	KK			8sec				BU		F	Scream				Unknown	T

(Response of Victim: No, Av, Submission, Tn, Rt, RA)

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?)

AL (1)

KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS RM AG FM IC TW JM FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	KK LK YB PB TJ	BU LR	LO		G/11				Ø	
746	LK made vocal displays				PB		made V hoots			
750	LR grooming PB							pant		
752	YB has a healing wound on his buttox									
752	BU KK, climbed into FBR tree and started									
	feeding on ripe fruits									
756	PB approach pant grunting to KK he ignored									PTG
757	BU leaving the feeding tree and moving									
759	PB Pant grunted to KK he ignored									PTG
800	KK TJ YB LK PB	BU LR	LO		N/16				Ø	
815	KK TJ YB LK PB	BU LR	LO		D/MFP				Ø	
820	Some one was fled screaming	chased	in a poor view who							
826	Chimps joined AL and her family in THV AL									
	Made pant barks									
830	KK YB TJ LK PB	AL LR BU	LO PI AZ	AN	L/800				Ø	
832	Chimps joined Other Individuals in FNA									
	tree all they made pant hoots									
838	KK Made vocal displays and buttress bangs									
	Others Made pant barks									

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
746	LK	3sec						None							Unknown	G
812	LK		4sec	4sec				TJ		F	Scream				Unknown	G
812	LK				✓			YB	✓		Scream		✓		Unknown	G
838	KK	6sec						None							Unknown	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
744	1sec	BU	KK	NO	NO	NO	NO	KK	
827	55sec	BU	AT	NO	NO	NO	NO	BU	
827	6sec	BU	AZ	NO	NO	NO	NO	AZ	

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

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

812 LK Made NVD chased TJ who fled screaming and he made attack (1) to YB with a kick
YB retaliate while screaming chased LK who fled making NVD

KPC Behavior

DAY 13th MONTH AUG YEAR 09 KPC SM OTHERS JM FM AG FM IC TW FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
839	LK chased TG he fled screaming others made pant barks									
845	KK PB YB TJ LK	OU WL BU AN TG AT LR OT	DG AZ BY AT WC LO TT	TS OV AN TB BM NP	L/800	✓	FNA	RF	Ø	
855	LK chased AT in a feeding tree he fled scream ing others didn't respond.									
855	PB climbed down on ground and moving									
856	PB started feeding on PEN pith (THV)									
900	KK PB YB TJ LK	OU WL BU AV TG AT LR OT	DG AZ BY AT WC LO TT	TS OV AN TB BM NP	L/800	✓	PEN FNA	PITH RF	Ø	
905	Some individuals leaving FNA tree and started feeding on THV									
914	PB made pant barks to YB and KK both ignore d									
915	KK PB YB TJ LK	OU WL BU AV TG AT LR OT	DG AZ BY AT WC LO TT	TS OV AN TB BM NP	L/800	✓	THV		Ø	
915	PB grooming WL									
915	KK made attack (1) to BU with a kick she fled screaming and YB fled screaming approach PB then YB extended hand to PB who touch on it									

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

Time	ID	VD Duration	NvD Duration	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
839	LK			3sec				TG		F	Scream				food competition	T
855	LK			4sec				AT		F	Scream				food competition	T
915	KK				✓			BU		F	Scream				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 13th MONTH Aug YEAR 09 KPC SM OTHERS JM RM FM IC TW AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
930	KK TJ YB LK PB	TG LR QT OT OU BU WL AL	OG WL ATLO DV TAZ	TS OV AN TD OM NP	L / Bule	✓	THV		Ø	
935	PB approach pant grunting to				KK	he Ignored				PTG
944	KK made attack ① to				OT with		kicks and			
	Slaps dragging her		on	ground			She screamed			
	but not avoid. Others		didn't		respond					
945	KK TJ YB LK PB	TG LR QT OT OU BU WL AL	OG WL ATLO DV TAZ	TS AN OM TD OV NP	Bug / MFP	✓	THV		Ø	
950	Some Individuals		separated		from		Others and			
	Moved away									
1000	KK YB	BU		NP	Bug / MFP	✓	THV		Ø	
1015	KK YB	BU		NP	"	✓	"		Ø	
1026	chimps joined PB	and LR			QT WL with					
	their families	in FBR	tree		both		made	pant		
	hoots									
1030	LK PB YB KK	LR BU WL QT	LO QV WC	NP	Bug / GLT	✓	FBR	RF	Ø	
1031	KK made vocal		displays		others		made	pant		
	hoots.									
1045	LK PB YB KK	LR WL BU QT	LO QV WC	NP	Bug / GLT	✓	FBR	RF	Ø	
1046	PB feeding on		FBR fruits		picking		from the	ground		

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
944	KK				✓			OT	✓		Scream				Unknown	g
1031	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?)

KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS IC AG JM Rm FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1047	PB Moving on ground									
1048	PB feeding on AFR pith (THI)									
1052	LK grooming WL									
1053	LK grooming YB									
1055	BL TJ BO (TJ TD TS TT) joined the party BO made pant hoots									
	and LK made non vocal displays PB fled									
	pant barking at same time KK made non									
	vocal and attack (1) to YB with a kick he									
	screamed but not avoid									
1058	WL grooming LR									
1059	BL pant grunted to PB presented to him PB									PTG
	Inspected her by touch on estrous then PB									
	groomed BL shortly									
1100	KK LK YB TJ PB	BR WL BU TG BO LR	WO BO WC TT BV	NP TS TD	BU9 / GLI	✓	FBR	RF	∅	
1102	PB approach QT who pant grunted to him									PTG
	presented PB Inspected her by touch on									
	estrous then PB groomed QT									
1103	Hand clasp mutual groom QT ⟷ PB									HCG

Aggregation/Received Aggression

(Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD Duration	Chase	Attack 1	Attack 2	Attack 3	Victim ID	No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1055	LK		4sec					PB		F	pant bark				reunion	g
1055	KK		10sec		✓			YB	✓		scream				reunion	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?)

1058 PB feeding on red soil from roots of a fallen tree.

KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS AG TM RM FM IC TW FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1106	Qi groomed PB after hand				clasp					
1107	Hand clasp mutual groom				PB ↔ Qi					HCG
1109	Mutual groom Qi ↔ PB									
1109	PB groomed Qi after mutual									
1110	Qi grooming PB									
1115	KK LK TJ YB PB	BL TG WL Qi BU LR	TT WC GY LO BO	NP TS TD	Bug GLi	✓	FBR	RF	Ø	
1115	PB grooming Qi									
1116	Hand clasp mutual groom				PB ↔ Qi					HCG
1116	Mutual groom after hand clasp				PB ↔ PB					
1116	BL approach Pant grunting to KK and presented to him and KK Inspected her by touch on estrous									PTG
1117	PB grooming Qi									
1121	Mutual groom Qi ↔ PB									
1123	PB grooming Qi									
1125	Qi grooming PB									
1130	KK LK TJ YB PB	BL TG WL Qi BU LR	TT WC GY LO BO	NP TS TD	Bug GLi				Ø	
1145	KK LK TJ YB PB	BL TG WL Qi BU LR	TT WC GY LO BO	NP TS TD	"				Ø	
1145	Qi grooming Qv			•						

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

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

Copulation

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

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

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
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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 13th MONTH Aug YEAR 09 KPC SM OTHERS JM RM FM IC TW AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1151	KK made non vocal displays and LK joined him making non vocal displays PB made pant barks and LK chased YB who fled screaming approaching KK he ignored									
1200	KK LK YB PB TJ	LR QT WL TG BL BU	LO WC TT BO QV	NP TS TD	K/WST	✓	THV		Ø	
1201	WL carrying WC on her Mouth									
1215	KK LK YB PB TJ	LR QT WL TG BL BU	LO WC BO QV TT	NP TS TD	K/WST	✓	THV		Rbe	
1225	PB and LR (LO) climbed into EHR tree and Started feeding on ripe fruits Silent, Other Individuals remained behind									
1230	PB	LR	LO		K/WB	✓	EHR	RF	Ø	
1245	PB	LR	LO		"	✓	"	"	Ø	
1300	PB	LR	LO		"	✓	"	"	Ø	
1315	PB	LR	LO		"	✓	"	"	Ø	
1330	PB	LR	LO		"	✓	"	"	Ø	
1334	Chimps leaving the feeding tree and moving on ground									
1335	Hand clasp mutual groom				LR ⟷ PB					Hcg

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

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
1151	KK		10sec					None							Unknown	g
1151	LK		8sec	4sec				YB		F	Scream				Unknown	g

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1202	14sec	BU	TT	NO	NO	NO	NO	BU	
1205	6sec	BU	PB	NO	NO	NO	NO	BU	

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

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KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS AG RM FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1336	LR groomed PB after hand clasp				clasp					
1337	PB grooming LR									
1340	LR grooming PB									
1342	Hand clasp mutual groom				PB		<->	LR		HCg
1345	PB	LR	LO		K/WB				Ø	
1345	Mutual groom after hand clasp						LR	<->	PB	
1346	LR groomed PB after Mutual									
1347	LR grooming LO									
1352	Heard distant calls from north of K15									
	LR and PB didn't respond									
1353	LR grooming PB									
1355	Mutual groom LO <-> PB									
1356	PB grooming LR									
1359	Hand clasp mutual groom				PB		<->	LR		HCg
1400	PB	LR	LO		K/WB				Ø	
1400	Mutual groom after	hand clasp					LR	<->	PB	
1415	PB	LR	LO		5E/WB				Ø	
1417	chimps climbed into FOT tree and started feeding on ripe fruits silent									

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 13th MONTH Aug YEAR 09 KPC SM OTHERS AG RM FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1430	PB	LR	LO		IS/SE	V	FOT	RF	Ø	
1436	PB leaving the feeding tree and Moving on ground									
1439	PB climbed for feeding UR				H		ripe fruits and			
	LR (LO) followed him also									
1443	BL BO NP Made	KK joined	LR PB but		calls		were			
1445	KK PB	BL LR	BO LO	NP	IS/SE	V	URH	RF	Ø	
1449	PB approach	pant grunting	to KK	again	he	extend	PTG			
	ed hand to him KK Ignored									
1500	KK PB	BL LR	BO LO	NP	IS/SE	V	URH FOT	RF RF	Ø	
1505	WL WC BT BV joined the party but no calls									
	made									
1512	PB approach	pant barking	to KK	and						
	he extended hand to him KK Ignored									
1515	KK PB	BL LR GT WL	WC LO BB BV	NP	IS/SE	V	URH	RF	Ø	
1517	PB grooming KK									
1520	KK and PB	Separated	from	others	and	they				
	Started moving									

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

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

Copulation

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

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

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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KPC Behavior

DAY 13th 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
1523	KK and PB made pant hoots and climbing for									FBK
	feeding on URH ripe fruits at sametime KK									
	and PB both made food barks while feeding									
1530	KK PB				1S/7E	✓	URH	RF	Ø	
1538	PB Moving alone leaving KK behind									
1541	PB joined other ID's then PB pant grunted									PTG
	to LK he Ignored									
1545	KK arrived in the group									
1545	KK YB PB TJ LK	TG AL OU OT BU	OG TT AT AZ	OL OM AN TD TS	8E/WB				Ø	
1549	PB grooming TG									
1600	KK YB PB TJ LK	TG AL OU OT BU	OG AZ TT AT	OL OM AN TD TS	8E/WB	✓	CNP	RF	Ø	
1605	OT playing with AT by patting and chase									
	each other									
1606	OU approached PB and she presented to him									
	he Inspected her by touch on estrous and									
	smelling on fingers									
1609	it started raining									RN
1611	KK and LK made joint NVD then PB OU and others fled									RD

Aggression/Received Aggression (Use additional sheets and describe on back if necessary) Pant barking Climb tree's

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
1611	KK LK		20sec					PB OU		F	Pant bark				Social excitement	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1548	5sec	BU	AT	NO	NO	NO	NO	AT	
1551	6sec	BU	PB	NO	NO	NO	yes	BU	

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 13th MONTH Aug YEAR 09 KPC SM OTHERS AG IC FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1615	KK LK YB TJ PB	OL OT TG AL BU	09 AT TT AZ	OL OM AN TD TS	8E WB	✓	THV		Ø	
1621	It lightened during the rain and chimps made noises									
1630	KK LK YB TJ PB	OL OT TG AL BU	09 AT TT AZ	OL OM AN TD TS	8E WB	✓	THV		Ø	
1645	KK LK YB TJ PB	OL OT TG AL BU	09 AZ TT AT	OL OM AN TD TS	u	✓	u		Ø	
1700	KK LK YB TJ PB	OL OT TG AL BU	09 AZ TT AT	OL OM AN TD TS	9E WB	✓	u		Ø	
1706	PB extended hand to BU, She Screamed and Slapping the ground									
1711	BU feeding on Jap young leaves									
1715	KK LK YB TJ PB	OL AN TG OT BU	09 AZ AT TT	OL OM AN TS TD	1S NB	✓	THV		Ø	
1719	LK Made non vocal displays and chased PB who fled Pant barking									RD
1730	KK LK YB TJ PB	OL AN TG OT BU	09 AZ AT TT	OL OM AN TS TD	1S NB	✓	THV		Ø	
1733	it stoped raining									
1734	PB approach Pant grunting to both LK and KK. they ignored									PTG
1740	Some ID's Separated And moved away									
1745	KK LK YB TJ PB	BU			NB ed	✓	THV		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
1719	LK		45sec	35sec				PB		F	pant bark				Unknown	G

Copulation

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

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 13th MONTH Aug YEAR 09 KPC SM OTHERS AGIC FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1750	BU and LK KK both climbed into COM tree									FBK
	and Started feeding on Flowers While maki									
	ng food barks									
1752	PB feeding on CAF young leaves									
1800	KK LK TJ YB PB	BU			4S/NB	✓	COM	FL	Ø	
1815	KK LK TJ YB PB	BU			"	✓	"	"	Ø	
1830	OU and her family joined the party both									
	Chimps made pant hoots									
1830	KK LK TJ YB PB	OU BU OT	OS	OM OM	4S/NB	✓	COM	FL	Ø	
1834	Chimps leaving the feeding tree and moving									
	on ground									
1836	PB building anight nest, tree = DOSP HT =									
	18M Dbh = 28cm									
1839	YB building anight nest tree = TEC									
	HT = 6m Dbh = 14cm									
1844	LK building anight nest, tree = CDU HT =									
	20m Dbh = 68cm									
1845	KK TJ YB LK PB	BU OU OT	OS	OM OL	NS/NB				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

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 ___th MONTH Aug YEAR 09 KPC SM OTHERS 1C FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1900	KK TJ YB LK PB	BU OU OT	09	OMOL	4S NB				Ø	
1901	Bu build aright nest tree = COA HT=									
	21M Dbh = 42Cm									
1905	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						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

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

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

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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?)