DAY 20th MONTH Aug YEAR 09 OBS-PC SM TMF/40 FM AG HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GL	AK	GRID	MNK	SP	PT
Estrus													1:3						1:2																															
5:45																																																	
6:00																																																	
6:15			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	M/24	None	—	—
6:30			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			—	—
6:45			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			—	—
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			—	—
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	M/24		—	—
7:30					X			X																							X	X			X	X				X			X	X	M/26		FCP	PF
7:45					X			X																							X	X			X	X				X			X	X				
8:00					X			X																							X	X			X	X				X			X	X			FCP	PF
8:15					X			X																							X	X			X	X				X			X	X			FCP	RF
8:30					X			X																							X	X			X	X				X			X	X			—	—
8:45					X			X																							X	X			X	X				X			X	X			—	—
9:00			X		X			X																							X	X											X	X			—	—
9:15			X		X			X																																			X	X			—	—
9:30			X		X			X																																			X	X			—	—
9:45			X		X			X																																			X	X			—	—
10:00			X		X			X																																			X	X			—	—
10:15			X		X			X																																			X	X	M/26		—	—
10:30			X		X			X																																			X	X	N/26		CAF	YL
10:45			X		X			X					X	X	X																													X	X	N/27		—	—
11:00			X		X			X					X	X	X																													X	X	"	None	—	—
11:15			X		X			X					X	X	X																													X	X	O/27	RDC	—	—
11:30			X		X			X					X	X	X																													X	X			—	—
11:45			X		X			X				X	X	X	X																													X	X			FNA	RF
12:00			X		X			X				X	X	X	X																													X	X				
12:15			X		X			X				X	X	X	X																													X	X				
12:30			X		X			X				X	X	X	X																													X	X				
12:45			X		X			X				X	X	X	X																													X	X	O/27	RDC	FNA	RF
	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	GL	AK				
13:00			X		X			X				X	X	X	X																													X	X	O/27	RDC	FNA	RF
13:15			X		X			X				X	X	X	X																													X	X		"	—	—
13:30			X		X			X				X	X	X	X																													X	X		"	—	—
13:45			X		X			X				X	X	X	X																													X	X		X	—	—
14:00			X		X			X				X	X	X	X																													X	X		X	—	—
14:15			X		X			X				X	X	X	X																													X	X		X	—	—
14:30			X		X			X				X	X	X	X																													X	X		X	—	—
14:45			X		X			X				X	X	X	X																													X	X		X	—	—
15:00			X		X			X				X	X	X	X																													X	X		X	—	—
15:15			X		X			X				X	X	X	X																													X	X		None	FEX	YL
15:30			X		X			X				X	X	X	X																													X	X		"	"	"
15:45			X		X			X				X	X	X	X																													X	X		"	"	"
16:00			X		X			X				X	X	X	X																													X	X	O/27	RW	—	—
16:15			X		X			X				X	X	X	X																													X	X	O/28	None	THV	
16:30			X		X			X				X	X	X	X																													X	X				
16:45			X		X			X				X	X	X	X																													X	X				
17:00			X		X			X				X	X	X	X																													X	X				
17:15			X		X			X				X	X	X	X																													X	X			THV	
17:30			X		X			X				X	X	X	X																													X	X			CAF	YL
17:45			X		X			X				X	X	X	X																													X	X			THV	
18:00			X		X			X				X	X	X	X																													X	X			"	
18:15			X		X			X				X	X	X	X																													X	X			—	—
18:30			X		X			X				X	X	X	X																													X	X			CAF	YL
18:45			X		X			X				X	X	X	X																													X	X	O/28	None	—	—
19:00																																																	
19:15																																																	
19:30																																																	
19:45																																																	
20:00																																																	
20:15																																																	
20:30																																																	
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GL	AK	GRID	MNK	SP	PT
Health	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1				

COMMENTS AJ has awound on heel of his left foot, and LO has dry cough. Blu. Rbe from 1345—1500.

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

WL ② OT ② Bu ③ OU ① **KPC Behavior** BL ① Tg ① AL ① QT ① LR ①

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
603	OBS arrived at the nest site									
615	KK BB AJ PB TJ	OU BL Tg QT BU OT WL LR AL	OG LO TT AZ AT WC QV BO	NP OM OL TD TS AN	Q/14				Ø	
630	KK BB AJ PB TJ	OU BL Tg QT BU OT WL LR AL	OG LO TT AZ AT WC QV BO	NP OM OL TD TS AN	"				Ø	
645	KK BB AJ PB TJ	OU BL Tg QT BU OT WL LR AL	OG WC AT AZ TT QV LO BO	NP OM OL TD TS AN	"				Ø	
646	KK leaving a right nest and he climbed down making non vocal displays and butte ss bungs, Others made pant-hoots leaving the nests									
647	PB and AJ leaving their right nests at sametime									
650	KK made vocal displays and PB made non vocal displays and slapping the ground AT fled pant barking									
700	KK BB AJ PB TJ	OU BL Tg QT BU OT WL LR AL	OG LO BO AZ AT WC QV TT	NP OM OL TD TS AN	R/16				Ø	
706	PB approach pant grunting to AJ he ignored									PTg
707	PB approach pant grunting to KK he ignored									PTg
707	WL approach pant barking to KK and she extended hand to him and they shake hands									
715	KK BB AJ PB TJ	OU BL Tg LR AL QT WL OT BU	OG LO BO AZ AT WC TT QV	NP OM OL TD TS AN	R/16				Ø	

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														
646	KK		8sec					None							wake	g
650	KK	6sec						None							wake	g
651	PB		4sec					AT		F	pant bark				wake	g

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
703	3sec	Bu	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 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
717	KK Made	vocal displays and AJ j	oined	him	Make					
	vocal displays and	made	buttress	bangs						
	Others	pant hooted								
720	KK and	AJ made	joint	vocal displays				NP	Made	
	pant hoots									
721	AJ	Sniffing on	ground							
724	AJ KK	climbed	into	FCP	tree	and	started			
	feeding	on	ripe	fruits						
726	Chimps	climbed	down	on	ground	and	moved			
	Other IDs	remained	behind							
729	Chimps	climbed	into	FCP	tree	and	started			
	feeding	on	ripe	fruits	silent					
730	KK AJ	LR WL	LO DV	NP	B/27	V	FCP	RF	Ø	
731	LR Made	waar barks	and	chased	WL	Who	fled			
	screaming	She	turned	back	to	retaliate	by			
	arm. Threatening	while screaming	against	LR	but	no	contact			
	KK	Intervened	made	non	vocal	displays	and			
	chased	LR	Who	fled	screaming					

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

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
717	KK	8sec						None							Unknown	G
717	AJ	6sec						None							Unknown	G
720	KK AJ	10sec						None							Unknown	G
731	LR			3sec				WL		F	Scream		✓		Food competition	T
731	KK		2sec	2sec				LR		F	Scream				Protection	T

Copulation

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

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KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	KK AJ	LR WL GT	LO WC BV	NP	B/27	✓	FCP	RF	Ø	
800	KK AJ	LR WL GT	LO WC BV	NP	"	✓	"	"	Ø	
800	KK grooming AJ									
805	AJ grooming KK									
809	WL made arm threat to NP in feeding tree									
	NP fled screaming									
813	LR approach pant grunting to AJ and she groomed him									PTG
815	KK AJ	LR WL GT	LO WC BV	NP	B/27	✓	FCP	RF	Ø	
816	KK approached LR who pant grunted to him									PTG
	then LR groomed KK									
817	AJ leaving the feeding tree									
821	KK LR LO leaving the feeding tree and started moving we followed them, others remained behind									
823	LO was heard coughing (dry cough)									
828	KK made vocal displays and buttress hugs									
	LR made pant barks									
830	KK AJ	LR	LO		C/53				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
828	KK	45sec						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 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
841	KK approach and mounted AJ who made pant grunts									PTG
845	AJ KK	LR	LO		F/23				Ø	
853	BB NP joined the party and BB chased NP who fled screaming; others didn't respond									
855	NP approach pant grunting to KK and he groomed her									PTG
857	Chain groom KK → BB → AJ									
859	KK and AJ both grooming BB									
900	BB KK AJ	LR	LO	NP	F/23				Ø	
900	Chain groom KK → BB → AJ									
902	Hand clasp mutual groom AJ ↔ BB ← KK									Hcg
903	KK and AJ both groomed BB after hand clasp									
908	Chain groom AJ → BB → KK									
910	AJ has awound on heel of his left foot									
915	BB KK AJ			NP	F/23				Ø	
916	KK and AJ both grooming BB									
920	Chain groom NP → KK → BB									
930	BB KK AJ			NP	F/23				Ø	

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

Time	ID	VD	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
853	BB			3sec				NP		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?)

902 LR (LO) left the party and moved away

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
936	BB Grooming KK									
938	KK BB AJ made joint vocal displays and									
	Some one on a distant responded with pant									
	hoots									
941	AJ KK climbed in Phytolacca climber									
	and started feeding on ripe fruits									
945	KK BB AJ			NP	F/GLT	✓	PHY	RF	Ø	
949	Chimps climbed down and Moving									
1000	KK BB AJ			NP	K/GLT				Ø	
1005	AJ and NP lost in THV									
1010	BB Made vocal displays and KK joined									
	him making vocal displays									
1014	AJ and NP joined again but no casts									
	made									
1015	KK BB AJ			NP	K/GLT				Ø	
1026	AJ BB feeding on CAF young leaves and KK									
	feeding FUR ripe fruits									
1030	KK BB AJ			NP	S/BFP	✓	CAF PHY	YL RF	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
938	KK BB AJ	8sec						None							Unknown	G
1010	BB	6sec						None							Unknown	G
1010	KK	5sec						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 20th MONTH Aug YEAR 09 KPC SM OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1035	BB and KK made joint vocal displays and buttress bangs AJ Made weaves at same time some ID's from a distant made pant hoots									
1040	BL and her family joined the party but no calls made									
1041	NP approach and hugged BL who made Soft screams									
1044	BL approach Pant grunting to AJ KK BB then KK moved towards for copulation BL avoid casual Screaming									PTG
1044	KK Inspecting BL by Smelling on her estrous BL made pant grunts									PTG
1045	BB AJ KK	BL BL	BO	NP	10/19				Ø	
1045	AJ Inspecting BL by touch on estrous and Smell on fingers and BL made pant grunts									PTG
1048	BO groomed BL									
1100	BB KK AJ	BL BL	BO	NP	10/19				Ø	

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
1035	BB KK	8sec						None							Unknown	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1043	45sec	BL	BB	NO	NO	NO	yes	BL	

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

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KPC Behavior

RD (3)

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1114	KK made vocal displays and buttress bungs									
	Bu made pant hoots									
1115	KK BB AJ	BL BU	BO	NP	19/J9				RDC	
1116	KK and AJ climbed into FNA tree for feeding but there were RDC monkey's with									
	in atree making alarm calls									
1118	As KK AJ climbing into atree making pant hoots and three Adult Males Make alarm calls chased, harassing, threatening AJ and KK both fled Wear barking, at sametime One adult male bite AJ and KK climbed down make vocal displays and buttress bungs, Others made Wears									MAT
1121	KK made vocal displays and buttress bungs									
	at Same time LK YB RD joined the party RD									
	made pant hoots and LK made non vocal displays									
1122	KK made vocal displays and buttress bungs				Others didn't respond					

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

Time	ID	VD / NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1114	KK	4sec					None							Social excitement	G
1118	KK	6sec					None							" "	G
1121	KK	4sec					None							" "	G
1121	LK	6sec					None							reunion	G
1122	KK	4sec					None							Social excitement	G

Copulation

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

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

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

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1130	YB AJ BB KK	RD BL BL	BO	NP	19 09				RBC	
1131	KK and AJ made plant hoots climbed back in to FNA tree for feeding, again three Adult males of RBC Monkeys approach chasing harassing them, then AJ slapped one monkey and KK who close to AJ, he grabbed the tail of that Monkey, and the Monkey attacked KK bite him. While more Monkey's come make alarm calls then KK released it, and other Monkey's ran away making alarm calls									MAT
1132	KK and AJ entered the feeding tree makin g food barks followed by other IB's plant hooting and started feeding on ripe fruits PB also joined									FBK
1136	LK chased BL in afeeding tree and She fled screaming and leave the tree									
1138	LK chased BL who fled screaming and leave the tree LK continued making NVD on ground and buttress buttress bungs									
1139	YB made attack ② to BL with Kicks and slaps, the retaliate, While screaming and Chased YB who fled Silent									

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
1136	LK			8sec				BL		F	Scream				Food Competetion	T
1138	LK		6sec	12sec				BL		F	Scream				Food Competetion	T
1139	YB				✓			BL	✓		scream		✓		Unknown	J

Copulation

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

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

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

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1143	KK made	NVD and	chased BL		BB		LK	then	BL	
	fled screaming	Others	fled silent							
1145	YB KK AJ BB PB	RD BL BU	BO	NP	19 JG	✓	FNA	RF	RDC	
1152	LK approached BU for copulation, she fled scre									
	aming LK continued chasing her									
1203	LK made attack (1) to BL with a kick she									
	fled screaming									
1211	LK chased YB who fled screaming, he approa									
	ched AJ then YB groomed AJ									
1215	LK YB KK AJ BB PB	RD BL BU	BO	NP	19 JG	✓	FNA	RF	RDC	
1221	LK chased BU who fled screaming and leave									
	the tree									
1222	Hand clasp mutual groom				LK <-> AJ					HCG
1224	AJ groomed LK after hand clasp									
1228	Hand clasp mutual groom AJ <-> LK									HCG
1229	LK groomed AJ after hand clasp									
1230	KK YB OB LK BB AJ	RD BL BU	BO	NP	19 JG	✓	FNA	RF	RDC	
1231	AJ grooming LK									

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

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1143	KK		4sec	6sec				BL BB HK		F	Scream				Unknown	T
1152	LK			3sec				BU		F	Scream				Sexual Competition	T
1203	LK				✓			BL		F	Scream				Unknown	T
1211	LK			4sec				YB		F	Scream				Unknown	T
1221	LK			3sec				BU		F	Scream				Sexual Competition	T

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1151	4sec	BU	YB	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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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 20th MONTH Aug YEAR 09 KPC SM OTHERS Fm AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1234	LK grooming AJ									
1236	AJ grooming LK									
1238	Hand clasp mutual groom AJ <-> LK									HCG
1239	AJ groomed LK after hand clasp									
1240	LK grooming									
1242	PB grooming RD									
1243	RD grooming PB and AJ grooming LK									
1245	KK YB LK BB PB AJ	BL BU RD	BO	NP	19/J9	✓	FNA	RF	RDC	
1245	Mutual groom AJ <-> LK									
1247	LK grooming AJ after mutual									
1249	LK approach BU for copulation She fled Screaming									
1300	KK AJ BB LK PB YB	BL BU RD	BO	NP	19/J9	✓	FNA	RF	RDC	
1313	Chimps Climbed down on ground and Moving									
1315	KK YB PB BB AJ LK	BL BU RD	BO	NP	19/J9				RDC	
1315	PB grooming AJ									
1317	LK grooming BB									
1318	LK Moved towards BU for copulation She fled Screaming	Climbed after LK chased her at same time YB approach Screaming to KK then KK groomed YB								

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														
1318	LK			3sec				BU		F	Scream				Sexual competition	g

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1251	3sec	BU	AJ	NO	NO	NO	yes	AJ	
1318	5sec	BU	PB	NO	NO	NO	NO	BU	

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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?)

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1320	BO inspecting BU by smelling				on her estrous					
1325	NP entered into old nest and improving it									
	tree = BOS	HT = 6M								
1330	KK LK AJ YB BB PB	BK BU RD	BO	NP	19 JG				RDc	
1333	NP leaving the nest									
1334	RD grooming NP									
1337	AJ grooming LK									
1341	NP grooming RD									
1343	LK grooming AJ									
1344	AJ grooming LK									
1345	KK BB AJ YB LK PB	BK RD BU	BO	NP	19 JG				BU RDc	
1348	LK grooming AJ									
1352	AJ grooming LK									
1353	NP build a day nest	tree = BOS				HT = 7M				
1400	KK BB AJ YB LK PB	BK RD BU	BO	NP	19 JG				BU RDc	
1404	LK grooming AJ									
1405	NP leaving a nest									
1405	Chain groom AJ → KK → BB									

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 20th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1406	LK approach BU for Copulation she fled scre aming then LK made NVD and attack (1) to BU with kicks. she screamed and retaliate exchaging slaps with LK who fled making NVD climbing atree at Sametime KK BB made NVD then BB made attack (1) to both BL and BO with kicks and slaps both fled Scream ing									
1408	LK Made NVD and Chased BL BU both fled Screaming Climbing up tree's									
1408	KK made NVD and buttress buttress brings he chased YB who fled screaming AJ BB gwoid Casual Silent									
1411	KK Made NVD and buttress brings PB fled pant barking									
1412	LK Made NVD and buttress brings but no one responded.									
1415	KK BB PJ YB LK PB	BU BL PD	BO	NP	19 JG				BU RBe	

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
1406	LK		4sec		✓			BU	✓		Scream		✓		Sexual Competition	G
1406	KK BB		6sec		✓			BL BO		F	Scream				Unknown	G
1408	LK		10sec 8sec					BL BU		F	Scream				Unknown	G
1408	KK		6sec 4sec					YB		F	Scream				Unknown	G
1411	KK		4sec					PB		F	pant bark				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 30th MONTH Aug YEAR 09 KPC SM OTHERS FM AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1430	KK PB YB LK AJ BB	RD BL BU	BD	NP	19 JG				BU RDC	
1431	PB made NVD and Slapping He ground RD. NP									
	Made Noars									
1432	it started raining									RN
1433	LK Made NVD BU fled pant barking climb									RD
	ing a tree									
1436	LK BB KK made NVD and buttress bungs								BL BU	RD
	PB BD fled pant barking				both		Climbing			
	up Tree's									
1441	LK Made NvD and Chased BL Who fled									RD
	Screaming									
1443	KK made NVD. and chased				BL		again Made attack			RD
	(P) to her with Kicks and Slaps BL fled									
	Screaming									
1445	KK PB BD LK YB BB	RD BL BU	BD	NP	19 JG				BU RDC	
1446	LK made NVD and buttress bungs				and		Chased AJ			RD
	Who fled Screaming									
1452	LK Climbed and Chased BU				in a tree		She fled Screaming			

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

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1431	PB		8sec					None							Unknown	G
1433	LK		5sec					BU		F	Pant bark				Social excitement	G
1436	LK BB KK		24osec					BL BU PB BD		F	Pant bark				" " "	G
1441	LK		8sec	6sec				BL		F	Scream				" " "	G
1443	KK		10sec	8sec				BL		F	Scream				" " "	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1420	6sec	BU	YB	NO	NO	NO	NO	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 20th MONTH Aug YEAR 09 KPC SM OTHERS FMAG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1453	KK Made VD and buttress bangs						We Chased			RD
	BB Who fled Screaming climb						a tree again BB			
	and AJ Made noars									
1500	KK LK AJ BB YB PB	BU BL RD	BO	NP	19 JG				BU RDc	
1505	Chimps climbed into FEX tree				and		started		feed	
	ing on young leaves Silent									
1515	LK PB KK BB YB AJ	BU BL RD	BO	NP	19 JG	V	FEX	YL	Ø	
1516	it stoped raining									
1530	LK BB YB KK PB AJ	BU BL RD	BO	NP	19 JG	V	FEX	YL	Ø	
1543	RD grooming NP									
1545	LK PB AJ KK BB YB	BU BL RD	BO	NP	19 JG	V	FEX	YL	Ø	
1549	Chimps leaving the feeding tree and moving									
	On ground									
1551	AJ feeding on TRI young leaves									
1552	Some ID's feeding on THV In adense									
	vegetation									
1600	AJ PB LK BB YB KK	BL BU RD	BO	NP	19 JG				BU	
1612	LK KK AJ	feeding on	CAF		young leaves					

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
1453	KK	6sec		3sec				BB		F	Scream				Social excitement	J

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1552	45sec	BU	PB	No	No	NO	yes	BU	

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?)

1559 BL pant grunted to AJ he Inspected her by Smell on estrous

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FMAG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1615	KK BB PB LK AJ YB	BL RD BU	BD	NP	KTM NFP	✓	THV		Ø	
1630	KK BB PB LK AJ YB	BL RD BU	BD	NP	"	✓	"		Ø	
1638	AJ grooming BB									
1640	LK grooming AJ									
1644	AJ grooming LK									
1645	LK KK BB PB AJ YB	BL BU RD	BD	NP	KTM NFP	✓	THV		Ø	
1650	NP grooming RD									
1700	LK KK BB PB AJ YB	BL BU RD	BD	NP	KTM NFP	✓	THV		Ø	
1705	AJ licking on his wound									
1715	LK KK BB PB AJ YB	BL BU RD	BD	NP	KTM NFP	✓	THV		Ø	
1719	AJ grooming BB									
1730	LK KK BB PB AJ YB	BL BU RD	BD	NP	KTM NFP	✓	CAF THV	YL	Ø	
1740	NP feeding on red soil from roots of a fallen tree									
1743	AJ grooming BB									
1745	KK LK YB PB AJ BB	RD BL BU	BD	NP	KTM NFP	✓	THV		Ø	
1753	BB grooming AJ									
1754	AJ grooming BB									

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

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

Copulation

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

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

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

KPC Behavior

DAY 20th MONTH Aug YEAR 09 KPC SM OTHERS FMAG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1800	KK BB YB LK PB AJ	RD BL BU	BO	NP	KTM NFP	✓	THV		Ø	
1803	Some ID's left the party and moved away									
1813	BL building aright nest tree = CAF HT =									
	15m Dbh = 20cm									
1814	BU building aright nest tree = Olea HT = 17									
	M Dbh = 16cm									
1815	BB AJ	BL BU	BO	NP	KTM Krd				Ø	
1819	NP building aright nest tree = Dosp HT =									
	14M Dbh = 13 cm									
1830	AJ BB	BL BU	BO	NP	KTM Krd	✓	CAF	JL	Ø	
1837	AJ feeding on red soil from roots of afallen									
	Tree									
1842	AJ building aright nest tree = Dosp									
	HT = 7M Dbh = 14cm									
1845	AJ BB	BU BL	BO	NP	KTM Krd				Ø	
1846	BB building aright nest tree = TEC HT =									
	.3m Dbh = 10cm									
1852	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?)