DAY 22 MONTH SEP YEAR 2009 OBS-PC KJ TMF/40 FM 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	AJ	TD	GRID	MNK	SP	PT
Estrus													1	3					1	2			1					1							1		1		3										
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	X					X	X	X	X			X	X	X	X	X	O128		—	—
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	X	X			X	X	X	X	X	O128		—	—
7:00	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X	O128		—	—
7:15	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X	O127		COM	RF
7:30	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X				
7:45	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X			↓	↓
8:00	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X			COM	RF
8:15	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X			TRI	FL
8:30	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X					X	X	X	X			X	X	X	X	X				
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	X			X	X	X	X	X				
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	X			X	X	X	X	X				
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	X			X	X	X	X	X			↓	↓
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	X			X	X	X	X	X	↓		TRI	FL
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	X	X	O127		—	—
10:00	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X											X	X	X	X	X	O128		—	—
10:15	X	X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X											X	X	X	X	X	P127		—	—
10:30	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X											X	X	X	X		P127		CAF	YL
10:45	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X			X	X	X	X		P127		THV	THV
11:00	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X			X	X	X	X		P128			
11:15	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X			X	X	X	X		P128			
11:30	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X			X	X	X	X		O129		↓	↓
11:45	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X			X	X	X	X				THV	THV
12:00	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X	X		X	X	X	X				MMS	RF
12:15	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X	X		X	X	X	X				MMS	RF
12:30	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X	X		X	X	X	X				MMS	RF
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				—	—
	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	AJ	TD				
13:00	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X	X			X	X	X				—	—
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				—	—
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				—	—
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				—	—
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				DMA	RF
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				THV	THV
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				APH	RF
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				APH	RF
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				THV	THV
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		↓			
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		N124			
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					
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				↓	↓
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				THV	THV
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				PHY	RF
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		↓			
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		N129			
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		M129		↓	↓
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				PHY	RF
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		↓		THV	THV
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		M124		PHY	RF
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		L124		THV	THV
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				PHY	RF
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		↓		—	—
19:00	X	X	X		X	X			X	X	X		X	X	X				X	X	X	X						X	X	X							X	X	X			X	X	X		L124	↓	—	—
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	AJ	TD	GRID	MNK	SP	PT
Health	1	4	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	1		1	1	1	1	1				

COMMENTS Tu has a wound on his finger of the left hand while OT was coughing. No monkeys encountered.

FOUND: **C**=calls, **FT**=checking fruit trees, **FFT:** waiting at fruit tree, **N**=nest **PARTY COMPOSITION**: **X**: present at that time; **O** = thought to be around

OTHERS: Write IDs in blank columns: HH, PE, UM-UH-UN, GD-GS-GG, MU-MX, AFF, AMM, JFF, JMM, IMM, IFF

PT: **RF** = ripe fruit, **UF** = unripe fruit, **SD** = seed, **YL** = young leaf, **ML** = mature leaf, **FL** = flower, **WD** = wood, **RT** = root, **SL** = soil, **MT** = meat

MNK: **RDC**= Red colobus, **BWC**= Black and white colobus, **RDT**= Red-tail monkey, **BLU**= Blue Monkey, **MGB**= Mangabey, **BAB**= Baboon

HEALTH: **1** = Healthy, **2** = Cold/cough, **3** = Diarrhoea, **4** = Wound (describe). **ESTRUS**: **1** = None, **2** = Partial, **3** = Full

GPS

KPC BEHAVIOUR

OU1 OT2 BU3 BL1 WL1 QT1

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KT OTHERS: FM TW AG FOUND: N AL1 TG1

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
620	Obs arrived at the nests and found chimps									
	still in their nests resting.									
630	MSKK BBAJ TUST PGPB ESTJ	OUOT QTWL ALTG BLBU	OGBO ATAZ WCQV TT	OMOL TSTD EUNP AN	OLT 800				Ø	
643	KK coming down from the night nest.									
644	AJ coming down from the night nest.									
645	MSKK BBAJ TUST PGPB ESTJ	OUOT QTWL ALTG BLBU	OGBO ATAZ WCQV TT	OMOL TSTD EUNP AN	OLT 800				Ø	
648	MS leaving the night nest.									
649	Some one was chased and fled screaming.									
656	PB coming down from the night nest.									
700	MSKK BBAJ TUST PGPB ESTJ	OUOT QTWL ALTG BLBU	OGBO ATAZ WCQV TT	OMOL TSTD EUNP AN	OLT 800				Ø	
702	ST coming down from the night nest.									
704	PG coming down from the night nest.									
705	PG made non vocal displays and buttress									
	bungs, others made waars.									
708	Some Jd's made vocal displays and buttress									
	bungs others made waars.									
709	RB ES and BL climbed into cordia others									
	went for THV.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
705	PG		9sec					None							wake	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM AG TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
715	MSKK BBAJ TUST PGPB ESTJ	OUOT ALTG WLQT BLBU	BOWC QVTT ATAZ OG	OMOL EUNP ANTS TD	800 EC	✓	COM	RF	Ø	
722	MS ST and feeding on MAE RF									
730	MSKK BBAJ TUST PGPB ESTJ	OUOT ALTG WLQT BLBU	BOWC QVTT ATAZ OG	OMOL EUAN NPTS TD	C 800	✓	COM MAE	RF RF	Ø	
740	ST feeding on CAF YL.									
745	MSKK BBAJ TUST PGPB ESTJ	OUOT ALTG WLQT BLBU	BOWC QVTT ATAZ OG	OMOL EUAN NPTD TS	C 800	✓	COM THU	RF THU	Ø	
751	AJ made vocal displays others did not									
	respond.									
800	MSKK BBAJ TUST PGPB ESTJ	OUOT WLQT ALTG BLBU	BOWC QVTT ATAZ OG	OMOL EUAN NPTD TS	B 800	✓	COM	RF	Ø	
809	some Id's including MS BL WL (WC) OU AL & TG									
	families									
811	BB made vocal displays and buttress									
	bungs others made waars.									
815	MSKK BBAJ TUST PGPB ESTJ	OUOT WLQT ALTG BLBU	BOWC QVTT ATAZ OG	OMOL EUAN NPTD TS	C 800	✓	TRI COM	FL RF	Ø	
819	BL coming down from trichilia									
830	MSKK BBAJ TUST PGPB ESTJ	OUOT WLQT ALTG BLBU	BOWC QVTT ATAZ OG	OMOL EUNP ANTD TS	C 800	✓	TRI COM	FL RF	Ø	
845	MSKK BBAJ TUST PGPB ESTJ	OUOT WLQT ALTG BLBU	BOWC QVTT ATAZ OG	OMOL EUNP ANTD TS	"	✓	"	"	Ø	
850	PB coming down from TRI.									
852	MS coming down from TRI									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														
751	AJ	6sec						None							Un known	G
811	BB	7sec						None							social excitement	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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KPC BEHAVIOUR

DAY: 22 MONTH: Sep YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	Party Composition: AFF (incl. estrous)	Party Composition: JMM (&inf)	Party Composition: JFF (&inf)	Loc	F	SP	PT	MNK	BEH
855	ms climbed into cordia.									
900	KK MS BB AJ ST TU OG PB ES TJ	OU OT BL BU WL OT AL TG	AT AZ OG BO WC OW TT	TS TD OM OL NP AN EU	C 800	✓	Com TRI	RF FL	∅	
906	ES made vocal displays and buttress bangs others made waars.									
915	TJ KK MS BB AJ TU ST OG PB ES	OU OT BL BU WL OT AL TG	AT AZ OG BO WC OW TT	TS TD OM OL NP AN EU	C 800	✓	Com TRI	RF FL	∅	
930	KK MS BB AJ ST TU OG PB ES TJ	OU OT BL BU WL OT AL TG	AT AZ OG BO WC OW TT	TS TD OM OL NP AN EU	"	✓	"	"	∅	
933	PB made non vocal displays by slapping the ground and chased some one who fled screaming then made waars, PB continued displaying.									
934	AJ grooming ms.									
935	chimps coming down from the feeding trees. OT WL families went missing.									
942	OU OM OG OT AL and AZ drinking water from a stream									DR
943	ms and ST made joint vocal displays others did not respond.									
945	KK MS BB AJ TU ST OG PB ES TJ	OU OT TG AL BL BU	AT AZ BO TT OG	OM OL AN EU NP TS TD	C 600				∅	

Aggression/Received aggression

Time	Aggr. ID	VD (Duration)	NvD (Duration)	CHA (Duration)	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
906	ES	6sec						None							un known	G
937	MS	11sec						None							un known	G
943	MS	21sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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?)

937 ms and ST made joint vocal displays others made pant hoots.

KPC BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
948	ST grooming ms.									
949	BB approached ms then hugged him, ST									
	mounted ms and they all made wa									
	barks.									
950	OT was heard coughing.									
951	ms grooming BB									
957	PG made non vocal displays some one									
	made pant barks.									
958	BB grooming ms.									
959	chain groom ms → BB → ST									
1000	KKMS BBAJ TUST PBPG ESTJ	OUOT TGAL BLBU	ATAZ BOTT OG	OMOL TOTS EUAN	800 OLT				∅	
"	BB grooming ST.									
1001	Hand clasp mutual groom BB ↔ ST									HCG
1002	ST grooming BB after hand clasp.									
1005	chain groom ms → BB → ST									
1006	ms grooming ST									
1007	ms grooming BB									
1009	Hand clasp mutual groom BB ↔ ms									HCG

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
957	PG		6sec					None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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

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KPC BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KT OTHERS: FM AG FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1010	ST grooming AJ									
1011	BB grooming MS.									
1013	AJ grooming BB.									
1014	Hand clasp mutual groom ST ⟷ TU									HCG
1015	MS KK BB AS PG ST TU DE ES EJ	OV OT TG AL BL BU	AT AZ OG BO TT	DM OL EU NP AN TS TD	600 OLT				Ø	
1016	TU grooming ST.									
1016	chain groom MS → AJ → BB									
1017	Hand clasp mutual groom MS ⟷ AJ									HCG
1018	AJ grooming MS									
"	ST grooming TU.									
1020	chimps separated KK and TG family went missing.									
1026	OT made arm threat to EU who retaliated by hitting her, OT made scream then ES made non vocal displays and chased OT who fled screaming.									
1028	chimps started feeding on CAF as they made food grunts.									FGR

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration							Response of victim							
1026	EU				✓			OT	✓						un known	G
	ES		6sec	3sec				OT		F		✓			protection	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2004 KPC: KJ OTHERS: FM TW FOUND:

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1030	MSBB TUST AJPG PBES	OUOT BLBU AL	OGBO ATAZ	OMOL NPAN EU	OLT 600	✓	CAF	YL	∅	
1039	BL made pant grunts to MS who ignored PTG her.									
1041	QT QV joined the party pant barking.									
1042	MS grooming BB									
1043	TU grooming BB.									
1045	MSBB TUST AJPG PBES	OUOT BLBU AL QT	OGBO ATAZ QV	OMOL EUNP AN	OLT 600	✓	THV	THV	∅	
"	chain groom MS → TU → BB									
1047	Both MS and TU grooming BB									
1048	Both TU and BB are grooming MS.									
1050	BB grooming TU.									
1051	chain groom MS → BB → TU									
1052	BB grooming TU									
1055	PB grooming MS									
"	on grooming PG.									
1057	BB made non vocal displays and made attack ② on BO by kicks and slaps, BO fled screaming towards TU who also chased him									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1057	BB		2sec			✓		BO		F		YES			un known	G
"	TU			2sec				BO		F		YES			un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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?)

BL climbed a tree pant barking. BO fled screaming.

KPC BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1100	MSBB AJST TUPG PBES	OUOT BLBU ALOT	ATAZ OGBO QV	OMOL EUNP AN	GOO NFP	✓	THU	THU	Ø	
1103	ou grooming PG									
1104	BB grooming ST									
1105	AJ grooming BB									
1106	Hand clasp mutual groom ou PG									HCG
"	Bu grooming ES									
1107	ou grooming PG after hand clasp									
"	Both AT and MS grooming ST.									
1108	AL grooming AT									
"	leaf groom by MS for 12 sec he was									LF
	grooming ST and did the same after.									
1112	Hand clasp mutual groom ou ← → ST									HCG
1113	ST grooming ou.									
"	PB grooming OT									
1114	ou grooming MS									
1115	MSBB AJST TUPG PBES	OUOT BLBU ALOT	ATAZ OGBO QV	OMOL EUNP AN	GOO NFP	✓	THU	THU	Ø	
1120	ou grooming OT									
1123	Hand clasp mutual groom ou ← → OT									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1124	ou grooming		OT							
1125	MS grooming		ST.							
1130	MSBB AJST TUPG ESPB	OUOT BLBU ALOT	ATAZ OGBO QV	OMOL ANEU NP	KTM KRd	✓	THV	THV	Ø	
1143	Both MS and PB are grooming BB									
1144	Tu playing with AZ by biting him softly.									AP
1145	MSBB AJST TUPG ESPB	OUOT BLBU ALOT	ATAZ OGBO QV	OMOL ANEU NP	KRd KTM	✓	THV	THV	Ø	
1146	AT grooming		PG.							
1149	BB made attack Ø on AT by kicks and slaps AT did non avoid but made screams.									
1150	Chimps climbed into MMS at KRd/KTM and started feeding on RF as they joind RD.									
1152	ES made non vocal displays against BB who retaliated by making non vocal displays and chased him. ES fled making non vocal displays others made waars.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1149	BB				✓			AT	✓			✓			Un known	G
1152	ES		5sec					BB					✓		Food competetion	T
"	BB			6sec				ES	✓						Self protection	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KT OTHERS: FM FOUND:

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1200	MSBB AJTU STPG PBES	OLOT ALOT BLBU RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRd	✓	MMS	RF	Ø	
1203	ES made non vocal displays and chased									
	OG who fled screaming									
1215	MSBB AJTU STPG PBES	OLOT ALOT BLBU RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRd	✓	MMS	RF	Ø	
1230	MSBB AJTU STPG PBES	OLOT ALOT BLBU RD	OGBO ATAZ QV	OMOL EUAN NP	〃	✓	MMS	RF	Ø	
1238	Chimps coming down from MMS									
1242	Chain groom Tu → MS → BB									
1244	MS grooming BB									
1245	MSBB AJTU STPG PBES	OLOT ALOT BLBU RD	OGBO ATAZ QV	OMOL EUAN NP	KRd KTM				Ø	
〃	Leaf groom by MS for 5sec. He was									
	grooming BB then moved away.									
1251	AL grooming AT.									
1253	AT playing with by both wrestling									
	and butting one another softly.									
1300	MSBB AJTU STPG PBES	OLOT BLBU ALOT RD	OGBO ATAZ QV	OMOL EUAN NP	KTM FRd				Ø	
1315	MSBB AJTU STPG PBES	OLOT BLBU ALOT RD	OGBO ATAZ QV	OMOL EUAN NP	〃				Ø	
1319	BB grooming ST									
〃	AJ grooming BL.									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
1202	ES		4sec	35sec				OG		F		YES			Food competition	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1208	4sec	BU	PB	NO	NO	NO	YES	BU	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: PM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1320	OT GU are playing together by wrestling									
	as BO plays with OM.									
1323	TU playing with OM by both tickling and									AP
	batting her softly.									
1326	OM grooming TU after playing.									
1328	OM playing with BO by wrestling.									
1330	MS BB FI ST TU PG OB ES	OU GT CT AL BL BU	AT AZ OG BO OV	OM GL EU NP AN	KRC KTM				∅	
1336	OT playing with ES by wrestling									
1338	Hand clasp mutual groom BB ⇄ ST									HCG
1345	MS BB FI ST TU PG OB ES	OU OT CT AL BL BU	AT AZ OG BO OV	OM GL EU NP AN	KRC KTM				∅	
1346	some one was chased and fled screaming									
	others did not respond.									
1348	BB grooming ST.									
1352	PG made non vocal displays and chased									
	ES who fled screaming.									
1353	MS grooming ST									
1357	OG grooming MS.									
1359	OU feeding on DMA RF.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														
1352	PG		4sec	4sec				ES		F		YES			Un Known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22 MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1400	MSBB AJTU STPG PBES	OUOT BLBU ALQT RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRD	✓	DMA	RF	Ø	
1401	BL approached MS pant grunting, MS ignored.									
1408	PG made non vocal displays others did not respond.									
1410	chimps started feeding on THV.									
1411	MS feeding on DMA RF.									
1415	MSBB AJTU STPG PBES	OUOT BLBU ALQT RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRD	✓	THV	THV	Ø	
1420	MS BL AJ climbed into Aphania and started feeding on RF. BL made pant barks to MS as they were climbing.									
1428	BB and ES made joint vocal displays and buttress bungs others made pant hoots.									
1430	MSBB AJTU STPG PBES	OUOT BLBU ALQT RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRD	✓	APH	RF	Ø	
1439	PB made non vocal displays and ground slaps some one fled screaming									
1445	MSBB AJTU STPG PBES	OUOT BLBU ALQT RD	OGBO ATAZ QV	OMOL EUAN NP	KTM KRD	✓	APH	RF	Ø	
1447	MS ST and BB AJ coming down from APH									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1408	PG		5sec					None							Un Known	G
1428	BB	11sec						None							social excitement	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1404	4sec	RD	ES	NO	NO	YES	YES	RD	
1439	3sec	BU	AJ	NO	NO	YES	YES	BU	

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

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KPC BEHAVIOUR

DAY: 22 MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1451	chimps started feeding on					THV.				
1500	MSBB AJ ST TUPG PBES	OL OT BL BU OT AL RD	OG BO AT AZ OV	OM OL EU NP AN	KRD KTM	✓	THV	THV	Ø	
1515	MSBB AJ ST TU PBES	OL OT BL BU OT AL RD	OG BO AT AZ OV	OM OL EU NP AN	"	✓	THV	THV	Ø	
1518	BL approached MS PAT grunting and									PTG
	groomed him.									
1530	MSBB AJ ST TUPG PBES	OL OT BL BU OT AL RD	OG BO AT AZ OV	OM OL EU NP AN	KRD KTM	✓	THV	THV	Ø	
1545	MSBB AJ ST TUPG PBES	OL OT BL BU OT AL RD	OG BO AT AZ OV	OM OL EU NP AN	"	✓	THV	THV	Ø	
1550	ST grooming BB.									
1551	OL grooming AJ.									
1559	OT chased RD who fled screaming into									
	atree, PB & ES intervened making non									
	vocal displays and chased OT who fled									
	silently into atree.									
1600	MSBB AJ TU ST PBES	OL OT BL BU OT AL RD	OG BO AT AZ OV	OM OL EU NP AN	S KSR				Ø	
1603	PG made non vocal displays & then									
	made waas.									
1607	PB made non vocal displays and ground									
	slaps OT fled screaming.									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1559	OT			4Sec				RD		F		✓			Un Known	G
"	PB ES		3Sec	3Sec				OT		F		NO			protection	G
1603	PG			5Sec				NONE							Un Known	G
1607	PB			9Sec				OT		F		✓			Un Known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 22nd MONTH: SEP YEAR: 2009 KPC: KT OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1609	Tu eating brown soil from the ground									SL
1615	MSBB AJTU STPG ESPB	OUOT ALQT BLBU RD	OGBO ATAZ QV	OMOL EUNP AN	S KSR	✓	THV	THV	Ø	
1624	AJ ST and ou, AL families feeding on PHY									
1630	MSBB AJTU STPG ESPB	OUOT ALQT BLBU RD	OGBO ATAZ QV	OMOL EUNP AN	S KSR	✓	PHY	RF	Ø	
1642	PG chased some and the victim fled screaming others did not respond.									
1645	MSBB AJTU STPG PBES	OUOT ALQT BLBU RD	ATAZ OGBO QV	OMOL EUNP AN	S KSR	✓	PHY	RF	Ø	
1654	MS chased AL AZ and PG. AZ & AL fled screaming PG fled silently.									
1700	MSBB AJTU STPG PBES	OUOT ALQT BLBU RD	ATAZ OGBO QV	OMOL EUNP AN	S KSR	✓	PHY THV	RF THV	Ø	
1715	MSBB AJTU STPG PBES	OUOT ALQT BLBU RD	ATAZ OGBO QV	OMOL EUNP AN	"	✓	PHY THV	RF THV	Ø	
1730	MSBB AJTU STPG PBES	OUOT ALQT BLBU RD	ATAZ OGBO QV	OMOL EUNP AN	"	✓	PHY THV	RF THV	Ø	
1745	MSBB AJTU STPG PBES	OUOT ALQT BLBU RD	ATAZ OGBO QV	OMOL EUNP AN	"	✓	THV	THV	Ø	
1746	MS eating wasps comb using AFR leaves.									
1800	MSBB AJTU STPG PBES	OUOT ALQT BUBL RD	ATAZ OGBO QV	OMOL EUNP AN	S KSR	✓	PHY	RF	Ø	
1801	BB chased BL who fled screaming others did not respond.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1654	MS			2sec				AL		F		YES			Food competetion	G
1801	BB			3sec				BL		F		YES			un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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

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KPC BEHAVIOUR

DAY: 22 MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1815	MSBB AJ TW PG PB ESST	OLOT AHOT BLBU RD	OGBO ATAZ CV	OMOT CUAN NP	S KSR	L	THV	THV	Ø	
1829	chimps made nest grunts as they feed									
	on THV									
1830	MSBB AJ TW PG PB STES	OLOT AHOT BLBU RD	OGBO ATAZ CV	OMOT CUPN NP	S KSR	L	RHV THV	RF THV	Ø	
1844	BL entered into an old nest in a									
	Diospyrus of about 16 cm dbh at 10									
	metres high and improved it.									
1845	MSBB AJ TW PG PB STES	OLOT AHOT BLBU RD	OGBO ATAZ CV	OMOT CUNP HN	S KBR				Ø	
"	AJ entered into an old nest and									
	improved it. Tree tesdea dbh 30cm, height									
	5 metres high.									
1848	MS started nesting in a Diospyrus of									
	about 13 cm dbh at 8 metres high.									
1849	PG made non vocal displays some one									
	made pant barks									
1850	BB nesting in Diospyrus of about 9 cm									
	dbh at 7 metres high.									
1856	PB making a nest in OFF dbh 23cm Height 12 metres.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Duration	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

Estrous: 1=None; 2=Partial; 3=Full

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1904 BBs left the nesting site.

KPC BEHAVIOUR

DAY: 22 MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: FM TW FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1900	MSBB ASTU STPU OBES	ONOT BLBU ALOT	OGBO FTAZ OV	ANEV NPOL OM	S KSR				∅	
1904	Obs leaving the nesting site.									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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?)