DAY 29th MONTH 09 YEAR '09 OBS-PC Fm TMF/40 KJ AG Rm Sk Jmk 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	AN	TS	GRID	MNK	SP	PT
Estrus													1	3					1	2			1					1		1					1		1		2											
5:45																																																	
6:00																																																	
6:15				X			X					X																X	X									X				X		N/25	None	—	—
6:30				X			X					X																X	X									X				X				—	—
6:45				X			X					X																X	X									X				X				APH	RF
7:00				X			X					X																X	X									X				X				»	»
7:15																												X	X													X				—	—
7:30																												X	X						X	X						X				PHY	RF
7:45																												X	X						X	X						X				APH	»
8:00																												X	X						X	X						X				»	»
8:15																												X	X						X	X						X				APH	RF
8:30																												X	X						X	X						X				—	—
8:45										X		X																X	X						X	X						X				—	—
9:00										X		X																X	X						X	X						X				—	—
9:15							X			X		X																X	X						X	X						X				FBR	RF
9:30										X		X																X	X						X	X						X				»	»
9:45							X			X		X																X	X						X	X						X				—	—
10:00	X			X			X																					X	X						X	X						X		N/25		—	—
10:15	X			X			X																					X	X						X	X						X		0/25		—	—
10:30	X			X			X																					X	X						X	X						X		»		—	—
10:45	X			X			X																					X	X						X	X						X		0/26		—	—
11:00	X																											X	X						X	X						X				—	—
11:15	X																											X	X						X	X						X				—	—
11:30	X																											X	X						X	X						X				—	—
11:45	X					X																						X	X						X	X						X				—	—
12:00	X											X	X															X	X						X	X						X				CAF	YL
12:15	X																											X	X						X	X						X				»	»
12:30	X		X																									X	X						X	X						X				THV	THV
12:45	X		X									X	X											X				X	X						X	X						X		0/26	None	»	»
	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	AN	TS				
13:00	X																											X	X						X	X						X		0/26	None	THV	THV
13:15	X																											X	X						X	X						X		»		»	»
13:30	X																											X	X						X	X						X		0/27		»	»
13:45	X																											X	X						X	X						X				THV	THV
14:00	X																											X	X						X	X						X				—	—
14:15	X																											X	X						X	X						X				—	—
14:30	X																											X	X						X	X						X				—	—
14:45	X																											X	X						X	X						X				—	—
15:00	X																											X	X						X	X						X				CAF	YL
15:15	X																											X	X						X	X						X		0/27		»	»
15:30	X																											X	X						X	X						X		0/28		THV	THV
15:45	X																											X	X						X	X						X				»	»
16:00	X																											X	X						X	X						X				THV	THV
16:15	X																											X	X						X	X						X				—	—
16:30	X																											X	X						X	X						X		0/28		THV	THV
16:45	X																											X	X						X	X						X		0/29		Mms	RF
17:00																												X	X						X	X						X					
17:15																												X	X						X	X						X					
17:30																												X	X						X	X						X					
17:45																												X	X						X	X						X					
18:00																												X	X						X	X						X					
18:15	X																											X	X						X	X						X		0/29	None	Mms	RF
18:30																																																	
18:45																																																	
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	OL	AN	TS	GRID	MNK	SP	PT
Health	1	1	1	4	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1				

COMMENTS NO monkeys encountered. YB had a wound and pus was coming out of it. OL was heard coughing.

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

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

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

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

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

OU ① AL ① RD ② OT ② QT ① WL ①

KPC BEHAVIOUR

DAY: 20 MONTH: 09 YEAR: '09 KPC: Fm OTHERS: KJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
610	Obs arrived at the nest site.									
615	LK YB TJ	OU AL RD OT	AT AZ 09	AN OM OL	G/12					
618	Some ids leaving the night nests.									
630	LK YB TJ	AL OU RD OT	AT AZ 09	AN OM OL	G/12					
638	09 leaving the night nest.									
642	Some ids made vocal displays and buttress bungs,									
	and others waarbarked.									
643	Chimps climbed into APH.									
645	LK YB TJ	AL OU RD OT	AT AZ 09	AN OM OL	F/12	✓	APH	RF		
700	LK YB TJ	AL OU RD OT	AZ AT 09	AN OM OL	"	✓	"	"		
705	LK YB TJ RD moved away and left the party.									
714	Chimps leaving the feeding tree.									
715		AL OU OT	AT AZ 09	AN OM OL	F/12					
718	QT WL families joined the party with NP									
719	OU OM 09 OT feeding on PHY.									
730		AL OU OT WL QT	AT AZ 09 WC QV	AN OM OL NP	E/BFP	✓	PHY	RF		
732	Heard distant calls from East of K14 and									
	this party made pant hoots.									

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?)

703 YB still has a wound on his butt.

710 OU was heard coughing.

KPC BEHAVIOUR

DAY: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
739	OU's family leaving PHY.									
743	Chimps climbed into APH.									
745		OU AL WL QT OT	AT AZ 09 WC QN	OMOL ANNP	E/14	✓	APH	RF		
800		OU AL WL QT OT	AT AZ WC QN 09	OMOL ANNP	"	✓	"	"		
815		OU AL WL QT OT	AT AZ WC QN 09	OMOL ANNP	E/14	✓	APH	RF		
827	Heard distant calls and this party responded									
	with pant hoots and barks then left the tree.									
830		OU OT QT WL AL	AT AZ WC QN 09	OMOL ANNP	H/BFP					
835	PB joined the party making non vocal displays									
	and ground slaps then QT WL ran into									
	trees screaming.									
837	PB made non vocal displays and ground slaps									
	but no one responded.									
839	PB made non vocal displays and ground slaps,									
	and others made waar barks as OT ran into the tree.									
840	PB made non vocal displays chasing OU WL into									
	trees screaming but OU retaliated and chased									
	him, and he ran making NVD while WL OU 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
835	PB		25secs					QTWL		F		✓			Reunion	9
837	PB		17secs					None							Reunion	9
839	PB		8secs					OT		F		No			Reunion	9
840	PB		7secs	3secs				OU		F		✓	✓		Reunion	9

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: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ AG FOUND: M

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
840	ES TJ joined the party making non Vocal									
	displays and others pant barked.									
843	OH approached	pant grunting and		presented to TJ						PTG
	but he didn't respond.									
845	PB ES TJ	QUOT WL QT AN	ATAZ WC 09 QV	OMON NP AN	H/BFF					
846	OH grooming TJ.									
847	Hand clasp mutual groom TJ ⇆ OH									Hcg
848	TJ chased WL who ran into the tree screaming.									
849	ES inspected OH by touching and smelling on the Estrous.									
851	ES inspected OT by smelling on the Estrous.									
859	TJ made Vocal displays and buttress bungs, and									
	others were barked.									
900	PB ES TJ	QUOT WL AN QT	ATAZ 09 WC QV	OMON AN NP	H/BFF					
901	TJ made vocal displays and buttress bungs, and									
	PB were barked.									
906	Chimps climbed into FBR at				K/KRF.					
907	KK TJ TS TS TT joined the party and KK made									
	~~Vocal~~ displays and buttress bungs and others wears.									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
840	ESTJ		12secs					None							Reunion	9
848	TJ			4secs				WL		F		✓			Unknown	9
859	TJ	5secs						None							Unknown	9
901	TJ	8secs						None							Unknown	9
907	KK	20secs						None							Reunion	9

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: 20th MONTH: 09 YEAR: '09 KPC: Fm OTHERS: KJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
915	KK ES PB TJ	OU QT TG WL OT AL	TTAZ WC AT OG QV	OMOL AN NP TD TS	K/KRD	✓	FBR	RF		
927	Some IDs leaving the feeding tree.									
930	KK ES PB TJ	OU QT OT TG WL AL	TTAZ AT OG QV WC	OMOL AN NP TS TD	K/KRD	✓	FBR	RF		
931	TG (TD) TS leaving the FBR last.									
932	Om grooming OU.									
935	Chain grooming, Om → TG → OU.									
937	Om grooming OU.									
938	OU grooming Om and TG grooming TS.									
939	Om grooming OU.									
940	OU grooming Om									
941	Om grooming OU.									
942	OT playing with TS by touching.									
945	KK ES PB TJ	OU OT QT TG AL WL	TTAZ AT OG WC QV	OMOL AN NP TS TD	K/KRD					
946	OU grooming OT.									
1000	LK KK ES TJ YB PG PB MSST	OU OT TG LR BL BU WL AL QT	TTAT BO AZ QV WC OG LO	OMOL AN NP EU TD TS	K/KRD					
1014	OU approached pant grunting and presented to									PTG
	ES who inspected her by touching and smelling									
	on the Estrous.									

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														

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?)

950 more IDs joined the party. (MSST LK YB BL BU BO LR LO EU PG).

KPC BEHAVIOUR

DAY: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ Rm AG Jmk SK FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1015	PG MSST YB LKKK ES TJ PB	BU QT TG OT WL LR OU BL AL	BOAZ TT OG LO AT WC QN	EU OM OL AN NP TS TD	M/8					
1018	KK made non vocal displays and MS ST									
	fled silently.									
1020	MS grooming ST.									
1021	ST grooming MS.									
1022	Hand clasp mutual groom, MS ⇄ ST									Hcg
1024	ST grooming MS.									
1030	MS KK LK PG ST TJ PB ES YB	OT QT TG OU WL LR AL BU BL	BOAZ TT OG AT WC QN LO	OM OL AN NP TS TD EU	M/8					
1033	OU grooming MS.									
1035	Chain groom, OM → OU → MS.									
1036	YB still has a wound on his butt and it has pus.									
1044	TG grooming TJ.									
1045	MS ST LK KK ES YB PB PG TJ	QT TG OU OT BL AL WL LR BU	BOAZ TT OG AT WC QN LO	OM OL AN NP TS TD EU	M/8					
1045	YB inspected BL by touching and smelling on									
	the Estrous, while OU presented to ES and									
	he also inspected by touching on the Estrous									
	and smelling on the fingers.									
1048	Chain grooming, ST → LK → KK.									

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
1018	KK		4 secs					MSST		F		NO			Unknown	9

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1041	4 secs	BU	OG	NO	NO	NO	NO	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: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJRMAGSK JMK FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1049	Hand clasp mutual groom, LK ⇆ KK.									Hcg
1049	TG grooming TJ.									
1050	MS grooming YB.									
1052	PG made non vocal displays chasing BU									
	who fled screaming into the tree. LK KK also									
	made non vocal displays and some IDs fled screaming.									
1053	OG picked a stick (log) and threw it to YB but missed him.									
1053	AJ joined the party together with TU and BB.									
1054	OU grooming YB.									
1100	MSST TUESAJ YBBBPG PBTJLK KK	QTTG OUOTALBU WLLR BL	OGAT WCLOQU TTAZ BO	EU OMOL TSTD MP AN	N/8					
1102	WL grooming YB.									
1104	OG inspected BL by touching and smelling									
	on the Estrous.									
1105	OT picked a stick, 74cm x 2.0cm and hit BL									
	with it, then OG also hit her (BL) with a small									
	(young) tree and she chased OT who fled silently.									
1114	KK made non vocal displays and buttress bungs,									
	and MS ST casually and silently avoided.									

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
1052	PG		8secs	3secs				BU		F		✓			Un Known	9
1114	KK		6secs					MSST		C		No			Un Known	9

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?)

1113 PG made non vocal displays chasing BL who fled screaming, and OU also ran into the tree pant barking.

KPC BEHAVIOUR

DAY: 29th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ Rm AG Jmk SK FOUND: M

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1115	MSST AJ TUESAJ JBBBBPG PBTJ KK PBTJ	RT TG OU OTAL BU WLLR BL	BOAZ TTATOG BV WCLO	EU OMOR TDTS NP AM	N/8					
1116	KK made non vocal displays but no one responded									
1117	PG made non vocal displays chasing BU who fled screaming and OU also ran into the tree pant barking.									
1130	OU grooming OG									
1130	KK MSST TUESAJ JBBBBPG PBTJ	BU RT TG OU OTAL WLLR BL	BOAZ TTATOG WCLO BV	OMOR TDTS EU ANNP	N/8					
1135	OU playing with Om.									
1141	PG made non vocal displays to OU who ran into the tree pant barking.									
1145	OU approached pant grunting and extended a hand to MS but he ignored.									PTG
1145	KK MSST TUESAJ JBBBBPG PBTJ	BU RT TG OU OTAL WLLR BL	BOAZ TTATOG WCLO BV	OMOR TDTS EU ANNP	N/8					
1145	TG grooming ST.									
1146	OU grooming MS.									
1146	Hand Clasp mutual groom.				ST ⇆ TG					HCG
1148	TG grooming ST.									
1149	AJ approached OU who pant grunted and									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD Duration	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1116	KK		5 Secs					None							Unknown	G
1117	PG		16 Secs 5 Secs					BL		F		✓			Unknown	G
1141	PG		5 Secs					OU		F		✓			Unknown	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 RM

DAY: 20th MONTH: 09 YEAR: 09 KPC: FM OTHERS: KJ AG SK JM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
	presented to him. He inspected by touching and									
	and smelling on the Estrous then OU groomed him.									
1157	PG made non vocal displays to OU who fled									
	into the tree screaming then waarbarked with TG.									
1158	ST grooming PG.									
1200	TU ES YB BB AJ MS ST TJ LK KL PG PB	WL LR QT TG AL OT BU BL OU	BO AZ AT TT OG WC ON LO	TD TS AN NP OM OL EU	P/CT	✓	CAF	YL		
1206	LK made non vocal displays and MS fled silently.									
1208	PG feeding on Trichillia young leaves.									
1215	TU ES YB AJ TJ BB ST PG MS LK KL PB	WL LR QT TG AL OU OT BU BL	BO AZ AT TT OG WC ON LO	TS TD AN NP OM OL EU	10/CT	✓	THV CAF	THV YL		
1216	PG made non vocal displays chasing AL who									
	ran into the tree screaming.									
1219	PB grooming QT.									
1230	TU ES YB AJ TJ AB BB PG PB MS ST LK KL	WL LR QT TG AL OU OT BU BL	BO AZ AT TT OG WC ON LO	TS TD AN NP OM OL EU	12/CT	✓	THV	THV		
1237	LR (LO) disappeared from the party.									
1240	NP playing with OG by wrestling.									
1245	TU ES YB BB AJ LK KL PG PB TJ ST MS	WL QT TG AL OU OT BL BU	BO AZ AT TT OG WC ON	TS TD AN NP OM OL EU	15/10	✓	THV	THV		
1253	OU drinking water from the stream with her mouth									DR
1300	TU ES YB BB AJ LK KL PG MS ST TJ PB	WL AL QT TG OT BL OU BU	BO AZ AT TT OG WC ON	TS TD AN NP EU OM OL	15/10	✓	THV	THV		

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
1157	PG		7secs	3secs				OU		F		✓			Unknown	g
1206	LK		10secs					MS		F		None			Unknown	g
1216	PG		5secs	2secs				AL		F		✓			Unknown	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: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1315	TUES YBBBAJ LKKKPG MSSTTJ PB	WLAL QTTGOT BLOU BU	BOAZ ATTTOG WC QN	TSTD ANNP OMOL EU	15/10	✓	THV	THV		
1330	TUES YBBBAJ LKKKPG MSSTTJ PB	WLAL QTTGOT BLOU BU	BOAZ ATTTOG WC QN	TSTD ANNP OMOL EU	17/J9	✓	"	"		
1345	TUES YBBBAJ LKKKPG MSSTTJ PB	WLAL QTTGOT BLOU BU	BOAZ ATTTOG WC QN	TSTD ANNP OMOL EU	"	✓	"	"		
1358	MS grooming TU and AT grooming PB.									
1359	ES made attack one to Om by slapping once									
	and she fled screaming to OU who made waars,									
	and Og also made waars chasing ES who fled									
	silently into the tree as other IDs waarbarked.									
1359	BB grooming OU.									
1400	TUES YBBBAJ LKKKPG MSSTTJ PB	WLAL QTTGOT BLOU BU	BOAZ ATTTOG WC QN	TSTD ANNP OMOL EU	17/J9					
1400	OU grooming KK.									
1401	TU grooming OU, and MS grooming BB.									
1402	Hand clasp mutual groom TU ⇆ OU									HCG
1402	Hand clasp mutual groom BB ⇆ MS.									HCG
1403	TU, MS grooming BB.									
1403	KK grooming PG.									
1407	OU grooming OL and BB MS grooming TU.									
1412	OU grooming YB and PG grooming KK.									

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
1359	ES				✓			Om		F		✓			unknown	G
1359	OUOG			3 secs				ES		F		No			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: 20th MONTH: 09 YEAR: 09 KPC: Fm OTHERS: KJ FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1414	OU grooming BB.									
1415	Chain groom ms → BB → OU									
1415	TUES YBBBAJ LKKLPO MSSTTJ PB	OT WLAL QTTG BLOU BU	BOAZ ATTTOG WCOU	TSTD ANMP OMOL EU	17/J9					
1417	TU grooming AL.									
1417	PG made non vocal displays chasing some									
	IDs who fled screaming.									
1418	OU grooming OT.									
1419	OT grooming Om.									
1422	OG grooming NP.									
1424	OU grooming PG.									
1424	ms playing with OT and TU playing with AZ									AP.
	both by biting.									
1425	KK made non vocal displays and ms TU BB ES									
	OT fled into trees. The rest silent but									
	OT screamed.									
1429	PG made non vocal displays and attack one									
	to TU by kicking and he screamed then wadr									
	barked but didnt avoid. KK approached									

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
1429	PG		9 secs		✓			TU		No		✓			Unknown	9

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 Behavior

DAY 20th MONTH 09 YEAR 09 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	and touched PG's testicles then MS came									
	and groomed KK.									
1430	BBES PGYB AJKK TUST MSPB	BLAL BUQU OT	ATAZ BOOG	OMOL ANNP EU	17/JG					
1431	Hand clasp mutual groom, AJ ⇄ KK.									
1434	KK grooming TU.									
1442	PG made non vocal displays and attack two									
	to OU by kicking and dragging, then she									
	retaliated and chased him while waar barking									
	and screaming.									
1445	PB BBES KKAJ TUST MSYB PG	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	19/JG					
1447	Someone was chased in poor view and									
	fled screaming.									
1453	Chimps moved into the logged area for THV.									
1500	YBBB TUES MSST KKAJ PGPB	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	19/OLT	✓	CAF	YL		
1515	YBBB TUES MSST KKAJ PGPB	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	"	✓	"	"		
1530	YBBB TUES MSST KKAJ PGPB	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	NFD/KTM	✓	THV	THV		
1545	YBBB TUES MSST KKAJ PGPB	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	"	✓	"	"		
1600	YBBB TUES MSST KKAJ PGPB	BLAL QUOT BU	BOAZ ATOG	OMOL ANNP EU	"	✓	"	"		

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
1442	PG		4Secs			✓		OU		No	✓		✓		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?)

1429 Chimps scattered and others moved away.

KPC Behavior

DAY 20th MONTH 09 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1605	It started raining and some ids made									RN/RD
	vocal displays and others fled screaming.									
1615	BBES PGYB KKAJ MSST PBTU	BLAL BU OU OT	BOAZ ATOG	OMOL ANNP EU	NFP /KTM					
1624	KK made vocal displays and some ids									
	fled screaming.									
1630	BBES PGPB YBBB MSST KKAJ	BLAL BU OU OT	BOAZ ATOG	OMOL ANNP EU	NFP /KTM	✓	THV	THV		
1643	Chimps climbed into mms and made food barks.									FBK
1645	BBES PGPB YBBB MSST KKAJ	BLAL BU OU OT	BOAZ ATOG	OMOL ANNP EU	KRD /KTM	✓	MMS	RF		
1700	BBES PGPB YBBB MSST KKAJ	BLAL BU OU OT	BOAZ ATOG	EU OMOL ANNP	"	✓	"	"		
1715	BBES PGPB YBBB MSST KKAJ	BLAL BU OU OT	BOAZ ATOG	EU OMOL ANNP	"	✓	"	"		
1730	BBES PGPB YBBB MSST KKAJ	BLAL BU OU OT	BOAZ ATOG	EU OMOL ANNP	"	✓	"	"		
1745	TUES YBBB KKAJ MSST PGPB	BLAL OU BU OT	BOAZ ATOG	EU OMOL ANNP	KRD /KTM	✓	MMS	RF		
1748	KK leaving the feeding tree.									
1750	Ah building a night nest, 23 m high, DBH ? SP. Diospyrus.									
1754	OU building a night nest, 20 m high DBH 44 cm (E) Sp. CAF.									
1800	TU BBES KKAJ MSST YBPB PG	BLAL OU BU OT	BOAZ ATOG	EU OMOL ANNP	KRD /KTM	✓	CAF MMS	YL RF		
1815	TUES YBBB KKAJ MSST PGPB	BLAL OU BU OT	BOAZ ATOG	OMOL ANNP EU	"	✓	"	"		
1820	Obs left and most chimps are feeding, and its raining									

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?)