DAY 12 MONTH 09 YEAR 09 OBS-PC ST TMF/40 SM TW HOW FOUND NEST

	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	GRID	MNK	SP	PT
5:45																																														
6:00																																														
6:15																																														
6:30									X																																X	M/26	None	—	—
6:45									X																																X			—	—
7:00									X																																X			CAF	YL
7:15									X																																X			FCP	RF
7:30									X																																X			"	"
7:45							X		X																																X			"	"
8:00							X		X																																X		↓	"	"
8:15							X		X																																X		None	"	"
8:30							X		X																																X		Blu	"	"
8:45							X		X																																X		"	"	"
9:00					X		X		X		X																								X		X				X		"	"	"
9:15					X		X		X		X																								X		X				X		Blu	"	"
9:30					X		X		X		X																								X		X				X		*	"	"
9:45					X		X		X		X																								X		X				X		*	"	"
10:00					X		X		X		X																								X		X				X		None	"	"
10:15					X		X		X		X																								X		X				X			"	"
10:30									X		X																																		—	—
10:45									X		X																																		—	—
11:00									X		X																																		—	—
11:15									X		X																																		—	—
11:30									X		X																																		—	—
11:45									X		X																																		—	—
12:00									X		X																																		CAF	YL
12:15									X		X																																↓	TH/V	TH/V
12:30									X		X																																M/26		—	—
12:45									X		X																																L/27	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				
13:00	X	X	X	X	X		X	X	X	X	X		X	X	X																X	X			X	X	X	X				X	L/27	None	—	—
13:15	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			—	—
13:45	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			—	—
14:15	X	X	X	X	X		X	X	X	X	X		X	X	X														X		X	X			X	X	X	X				X			—	—
14:30	X	X	X	X	X		X	X	X	X	X		X	X	X														X		X	X			X	X	X	X				X			FCP	UF
14:45	X	X	X	X	X		X	X	X	X	X		X	X	X														X		X	X			X	X	X	X				X			"	"
15:00	X	X	X	X	X		X	X	X	X	X		X	X	X														X		X	X			X	X	X	X				X		↓	—	—
15:15	X	X	X	X	X		X	X	X	X	X		X	X	X														X		X	X			X	X	X	X				X		None	APH	RF
15:30			X				X	X	X	X	X																				X	X			X	X	X	X				X		RDC	FRU	RF
15:45			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			"	"
16:15			X				X	X	X	X	X																				X	X			X	X	X	X				X			—	—
16:30			X				X	X	X	X	X																				X	X			X	X	X	X				X	↓	RDC	—	—
16:45									X	X	X																				X	X			X	X	X	X				X	M/26	None	CAF	YL
17:00									X	X	X																				X	X			X	X	X	X				X			"	"
17:15									X	X	X																				X	X			X	X	X	X				X			FCP	RF
17:30									X	X	X																				X	X			X	X	X	X				X			"	"
17:45									X	X	X																				X	X			X	X	X	X				X			"	"
18:00							X	X	X	X	X																				X	X			X	X	X	X				X	↓		"	"
18:15							X	X	X	X	X																				X	X			X	X	X	X				X			—	—
18:30							X	X	X	X	X																				X	X			X	X	X	X				X	M/26	None	—	—
18:45																																													
19:00																																													
19:15																																													
19:30																																													
19:45																																													
20:00																																													
20:15																																													
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	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	GRID	MNK	SP	PT
Health	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				

Estrus: 7 1 1 2 1

COMMENTS: ~~930~~ — 945 Blu and RDT 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

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: Sm FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
626	OBS arrive at nest site									
630	ES PG			EM	B/29				∅	
645	PG ES			EM	"				∅	
647	PG coming out of his night nest.									
651	PG feeding on CAF= YL									
655	Distant calls heard from East of K-14 and									
	the focal IBS didn't respond.									
700	ES PG			EM	B/29	✓	CAF	YL	∅	
704	PG made vocal displays and ES joined him with									
	vocal displays EM didn't respond.									
706	PG and ES made joint vocal displays and some									
	individuals from the distant male pant-hoots from									
	East of K-14.									
707	chimps climbed into FCP for feeding Mauritia									
	pant-hoots.									
715	PG ES			EM	B/27	✓	FCP	RF	∅	
730	PG ES			EM	"	✓	"	"	∅	
732	LK joined the party making NVD				and others made				pant-hoots	

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
704	PG	4Sec						None							Unknown	G
704	ES	3Sec						none							Unknown	G
706	PG ES	4Sec						none							Sexual excitement	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?)

702 PG approached ES and ES made pant-hoots and PG ignored.

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
734	ES pant-grunt to LK and				LK		chased		ES	PTG
	and he fled screaming.									
745	LK PG ES			En	B/27	✓	FCP	RF	∅	
800	LK PG ES			En	"	✓	"	"	∅	
807	LK grooming PG									
811	Handclasp Mutual groom LK				⇆		PG			Hcg
812	LK grooming PG after handclasp									
813	PG grooming LK									
815	LK PG ES			En	B/27	✓	FCP	RF	∅	
815	Handclasp Mutual groom LK				⇆		PG			Hcg
817	Mutual grooming after handclasp						LK ⇆	PG		
819	LK grooming PG									
823	PG grooming LK									
824	Handclasp Mutual groom LK				⇆		PG			Hcg
825	PG grooming LK after handclasp									
830	LK PG ES			En	B/27	✓	FCP	RF	BLU	
831	LK grooming PG									
837	Mutual grooming LK ⇆ PG									

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
734	LK			45sec				ES		F		✓			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?)

QT → ① WL → ② **KPC BEHAVIOUR**

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
842	Eu makes a day nest in the feeding tree									
	Height 18m FCP									
845	LK PG ES			Eu	B/27	✓	FCP	RF	BLU	
847	PG grooming LK.									
848	MS joined the party making Pant-barks, and									
	PG made screams mount LK, ES made									
	pant-barks.									
849	ES approached MS and they Hagged and Made									
	soft bites to each other then ES groom MS									
849	LK grooming PG									
853	PB QT(Q) WL(WC) joined party without making any									
	calls,									
854	ES made attack ① to QT with a kick and she									
	fle screaming, and at the same time PG chased									
	QT who continued fleing making screams									
855	QT approached Pant-grunted to PG and PG									
	extended a hand to her and QT touched and made									
	soft bites and groomed him.									

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
854	ES				✓			QT		F		✓			RE-Union	T
854	PG			3sec				QT		F		✓			RE-Union	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: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM TW FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
857	MS approach		Pant-grunt to LK		and LK groom MS					PTG
900	PB MS LK PG ES	QT WL	QV WC	EU	B/27	✓	FCP	RF	BLU	
903	PG grooming MS									
904	QT ES made		pant-hoots then		PG made		Vocal			
	displays and		MS avoided		Casual silent.					
915	MS LK PG PB ES	QT WL	QV WC	EU	B/27	✓	FCP	RF	BLU	
917	WL grooming	WC								
918	PG grooming MS									
920	MS grooming	PG								
923	PG grooming	MS								
925	MS grooming	PG								
926	PG grooming	MS								
928	MS grooming	PG								
930	MS LK PG ES PB	QT WL	QV WC	EU	B/27	✓	FCP	RF	BLU RDT	
931	PG Grooming	MS								
932	MS and LK made pant-hoots									
	PG made non-Vocal displays and chased WL									
	who fled screaming, then at the same time WL									
	approached screaming to PG who extended a hand and they shook									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
904	PG	3sec						M		C		-			Unknown	T

Copulations

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

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912 LK grooming MS

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM TW FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
934	WL grooming Pg									
935	Handclasp Mutual groom WL ⇆ Pg									Hcg
936	WL grooming Pg after handclasp.									
945	PB MS LK Pg ES	QT WL	Qv WC	En	B/27	✓	FCP	RF	BLu RDT	
948	Distant Calls heard from East of K-14 and									
	the focal JDs made waars and pant-hoots									
948	MS groom Lk.									
949	Handclasp Mutual groom MS ⇆ Lk									Hcg
951	Mutual grooming after handclasp Lk ⇆ MS									
954	Es grooming En									
955	WL grooming Pg									
957	MS left the feeding tree followed by Es En									
1000	MS LK Pg ES PB	QT WL	WC Qv	En.	B/27	✓	FCP	RF	Ø	
1015	MS LK Pg ES PB	QT WL	WC Qv	En	B/27	✓	"	"	Ø	
1022	Pg climbed down from the feeding tree									
1025	Chimps separated									
1027	PB grooming Pg.									
1028	Handclasp Mutual groom Pg ⇆ PB									Hcg

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**

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KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: _____ FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1030	PgPB				B/28				✓	
1030	PB grooming		Pg after handclasp.							
1031	Pg grooming		PB							
1032	PB grooming		Pg.							
1034	Handclasp Mutual groom		Pg ⟺	PB						Hcg
1035	Pg grooming		PB							
1036	Mutual grooming		Pg ⟺	PB						
1037	Handclasp Mutual groom		PB ⟺	Pg						Hcg
1038	PB grooming		Pg after handclasp.							
1039	Distant calls heard from		South of K-14							
	and the focal IDs distinct response.									
1040	Pg grooming		PB.							
1042	Handclasp Mutual groom		Pg ⟺	PB						Hcg
1043	Mutual grooming		Pg ⟺	PB						
1044	PB grooming		Pg							
1045	PgPB				B/28				✓	
11	Handclasp Mutual groom		Pg ⟺	PB						Hcg
1046	Mutual grooming		PG ⟺	PB						

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

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KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1051	PB grooming		PG							
1053	PG grooming		PB							
1057	Handclasp Mutual groom		PG ⟷	PB						Hcg
1059	PB groom PG		after handclasp.							
1100	PB PG				B/28				∅	
1115	PG PB				4				∅	
1116	Handclasp Mutual groom		PG ⟷	PB						Hcg
1117	PG grooming		PB after	handclasp.						
1118	PB grooming		PG							
1121	PG grooming		PB							
1122	Handclasp Mutual groom		PG ⟷	PB						Hcg
1123	Mutual grooming		after handclasp.							
1124	Handclasp Mutual groom		PG ⟷	PB						Hcg
1125	PG grooming		PB after	handclasp.						
1128	Mutual grooming		PG ⟷	PB						
1130	PG PB				B/28				∅	
1134	PB grooming		PG							
1135	PG grooming		PB							

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**

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KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1137	PB grooming PG									
1142	mutual grooming PG ⇆ PB									
1143	PG grooming PB									
1144	Handclasp mutual grooming				PG → PB					Hcg
1145	PG PB				B/28				∅	
1146	mutual grooming after handclasp				PG ⇆ PB					
1147	PB grooming PG									
1148	PG grooming PB									
1152	PB feeding in THV									
1158	PG feeding PITY RF									
1159	PB feeding CAF YL									
1200	PG PB				B/39	✓	PITY CAF	RF YL	∅	
1215	PG PB				U	✓	THV	THV	∅	
1226	Distant calls heard from				East of K-4					
	and PG made hoos and				started moving					
	to the direction of the calls									
1228	PG made vocal displays and buttress bangs									
	PB joined him with vocal displays and ground slapping									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1225	PG	DSL						None							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?)

BL → ② LR → ① **KPC BEHAVIOUR** BU → ①

DAY: 12 **MONTH:** 09 **YEAR:** 09 **KPC:** ST **OTHERS:** SM **FOUND:** NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1230	Pg PB				S/29				∅	
1231	Pg made vocal displays and PB joined him with vocal displays									
1245	Pg PB				S/KTO				∅	
1247	Chimps joined other individuals AJ made vocal displays chased ES and he fled screaming and PB climbed a tree pant-barking.									
1249	TU grooming MS									
11	ST grooming BB									
1250	Other IDS joined the party QT made pant-barks									
1252	MS grooming AJ									
1255	Handclasp mutual groom MS ⇄ AJ									Hcg
1300	MS BB AJ TU PG ST PB ES YB	BL LR QT WL BU	QV BO LO WC	EU	S/JJ				∅	
1302	AJ grooming MS									
1302	chain groom BU → BL → LR									
1303	LR approach pant-grunt and groom Pg									
1304	ST grooming BL									
1304	MS grooming AJ									

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														
1247	AJ		7sec	4sec				ES		F		✓			RE-union	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: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1305	LR playing with Lo by LR tickling Lo									AP
1309	MS grooming BB									
1311	BB grooming MS									
1315	MS BB ST AT PG PB ES TU YB	BL LR QT WL Bu	BO LO QV WC	Eu	S/JG				Ø	
1317	BB grooming ST									
1330	MS BB ST AT PG PB TU ES YB	BL LR QT WL Bu	BO LO QV WC	Eu	S/JG				Ø	
1332	KK NP and AT joined the party, without a									
	making any calls									
1333	MS approach pant bark to KK and he									
	ignored,									
1334	KK made non-vocal displays. ES fled pant									
	barking MS avoided casual sueuts									
1334	TU groom KK									
1335	KK approach mount and groom PG									
1339	Mutual groom PG ⇄ KK									
1341	Handclasp mutual groom KK ⇄ PG									Hcg
1342	PG grooming KK after handclasp									
1345	MS KK BB AT TU ST YB PG PB ES	BL LR QT WL Bu	BO LO QV WC AT	Eu NP	S/JG				Ø	

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
1334	KK		6sec					ES		F		✓			RE-unai	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: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SMTWIC FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1445	KK MS BB AJ TU YB PG ES PB ST	BL LR WL QT Bu	BO LO WC QV	Eu NP	S/JG	✓	FCP	UF	Ø	
1454	PG climbed down from the feeding tree followed									
	by LR and PB									
1456	LR grooming PG									
1457	chain groom PB → LR → PG.									
1459	KK approach PB Pant-grunted to him and									PTG
	he ignored.									
1500	KK MS BB AJ TU ST PG YB PB ES	BL LR WL QT Bu	BO LO WC QV	Eu NP	S/JG				Ø	
1504	Some IDs climbed into APH for feeding								RF	
1515	KK MS BB AJ TU ST PG YB PB ES	BL LR WL QT Bu	BO LO WC QV AT	Eu NP	S/KTO	✓	APH	RF	Ø	
1524	KK climbed down from APH followed by PG									
1525	KK made vocal displays and buttress bungs									
	and other individuals made waan-barks.									
1527	KK made vocal displays and buttress bungs									
	PG joined him with vocal displays.									
1528	Chimps climbed into FBR, making pant-hoots									
1530	KK YB ES PG PB	LR QT WL	LO QV WC AT	Eu NP	CST/JG	✓	FBR	RF	RDC	
1545	KK PG ES YB PB	LR QT WL	LO QV WC AT	Eu NP.	"	✓	"	"	RDC	

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
1525	KK	4sec						None							Unknown	9
1527	KK	6sec						None							Unknown	9
1527	PG	4sec						None							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?)

1525 chimps separated

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SMTW FOUND: NEST

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1600	KK YB PG PB ES	LR QT WL	AT QV WC Lo	NP Eu	CEH 29	✓	FBR	RF	RDC	
n	WL entered into an old nest. Tree of nest									
	UVA Height									
1614	PG climbed down from the feeding tree									
1615	KK YB PG PB ES	LR QT WL	AT QV WC Lo	NP Eu	CEH 29				RDC	
1616	five Adult male RDC's made alarm calls chased									
	ES and Eu out of the feeding tree Eu ES fled									MAT
	screaming KK made waar-barks chasing one RDC									
1618	LR grooming PG									
1618	WL approach Pant-bark and Present to PB									
	and he inspected her by touching her									
	estrous and smell on the fingers									
1619	Handclasp mutual groom				LR ⟺ PG					Hcg
1620	LR grooming PG									
1621	QT grooming YB									
1630	KK YB PG PB ES	LR QT WL	AT QV WC Lo	NP Eu	CEH 29				RDC	
1634	PB PG QT LR WL feed on Brown soil from									
	a fallen tree roots									

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														

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?)

1635 other IDS separated from the party

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM JW FOUND: NEST.

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1640	LR approach	Pant-grunt and	g from PG							PTG
1645	PG PB	LR GT WL	GV WC LO		5/29	✓	CAF	YL	∅	
1647	PG made non-Vocal displays		GT and WL							
	fled WL made Pant-barks									
1648	WL Pant-grunt to PG and		she extend a							PTG
	hand to WL and She touched.									
1648	LR grooming PG									
1651	LR grooming	LO.								
1700	PG PB	LR GT WL	LO GV WC		5/29	✓	CAF	YL	∅	
1714	Chumps climbed into	FCP for	feeding							
1715	PG PB	LR GT WL	LO GV WC		B/27	✓	FCP	RF	∅	
1722	It started raining									
1730	PG PB	LR GT WL	LO GV WC		B/27	✓	FCP	RF	∅	
1745	PG PB	LR GT WL	LO GV WC		"	✓	"	"	∅	
1751	KK and NP joined the Party		KK made						NVA	
	and other IDs made	Pant-barks.								
1800	PG PB	LR GT WL	LO GV WC		B/27	✓	FCP	RF	∅	
1806	KK left the	feeding tree	followed by	GT and	WL					

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
1647	PG		35s					WL GT		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?)

1730 PG made Non-Vocal Rain displays and chased LR who fled screaming

KPC BEHAVIOUR

DAY: 12 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM? FOUND: NES

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1809	chumps left the feeding tree and started moving and some IBS separated from party									
1815	PG KK PB				C/53				✓	
1815	KK PG PB male tonic vocal displays.									
1820	KK makes a night nest Tree of nest UVA Height 9m DBH 18cm.									
1821	PG makes a night nest, Tree of nest UVA, Height 11m DBH 15cm.									
1825	PB makes a night nest, Tree of nest UVA, Height 10m, DBH 12cm.									
1830	KK PG PB				D/53				✓	
1833	OBS left the nest 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?)