DAY 16th MONTH Sept YEAR 09 OBS-PC SM 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	GRID	MNK	SP	PT
5:45																																														
6:00																																														
6:15	X		X																																								O/27	None	—	—
6:30	X		X																																												
6:45	X		X																																												
7:00	X		X																																										MAE	RF
7:15	X		X																																										—	—
7:30	X		X			X																						X																APH	RF
7:45	X		X			X																						X																"	"
8:00	X		X			X																						X																THV	THV
8:15	X		X			X																						X																O/27	—	—
8:30	X		X			X																						X																N/27	CAF	YL
8:45	X		X			X																						X																	"	"
9:00	X		X			X																						X																	"	"
9:15	X		X			X																						X																	—	—
9:30	X		X			X																						X																N/27	—	—
9:45	X		X			X																						X																M/27	AFR	PHL
10:00	X		X			X																						X																	"	"
10:15	X		X			X																						X																	THV	THV
10:30	X		X			X																						X																		
10:45	X		X			X																						X																		
11:00	X		X			X																						X																	↓	↓
11:15	X		X			X																						X																	THV	THV
11:30	X		X			X																						X																	MMS	RF
11:45	X		X			X																						X																	"	"
12:00	X		X			X																						X																	"	"
12:15	X		X			X																						X																	APH	RF
12:30	X		X			X																						X																↓	"	"
12:45	X		X			X																						X																M/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																M/27	None	—	—
13:15	X		X			X																						X																	—	—
13:30	X		X			X																						X																	—	—
13:45	X		X			X																						X																	—	—
14:00	X		X			X																						X																	—	—
14:15	X		X			X																						X																	—	—
14:30	X		X			X																						X																M/27	—	—
14:45	X		X			X																						X																L/27	CAF	YL
15:00	X		X			X																						X																	"	"
15:15	X		X			X																						X																↓	"	"
15:30	X		X			X																						X																L/27	PHY	RF
15:45	X		X			X																						X																L/28	"	"
16:00	X		X			X																						X																	"	"
16:15	X		X			X																						X																	THV	THV
16:30	X		X			X																						X																↓	"	"
16:45	X		X			X																						X																None	Low	YL
17:00	X		X			X																						X																BAB	"	"
17:15	X		X			X																						X																	THV	THV
17:30	X		X			X																						X																↓	"	"
17:45	X		X			X																						X																L/28	BAB	"	"
18:00	X		X			X																						X																M/28	None	—	—
18:15	X		X			X																						X																"	"	—	—
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	GRID	MNK	SP	PT
Health	1		1			1																						1			1															

COMMENTS —

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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
606	OBS arrived at the nest Site									
615	BB ST				15/J9				Ø	
630	BB ST				U				Ø	
644	BB leaving aright nest									
645	BB ST				15/J9				Ø	
646	ST leaving aright nest									
647	Chimps started moving on ground									
651	BB and ST made joint vocal displays									
654	Chimps started feeding on MAE ripe fruits									
	Silent.									
700	BB ST				10/15	L	MAE	RF	Ø	
714	Heard distant calls from north of NKE BB									
	responded with pant hoots									
715	BB ST				19/J9				Ø	
716	Chimps joined MS and AT then AT made pant									
	barks to BB he ignored									
718	Chimps climbed into APH tree and started									
	feeding Silent									

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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
730	BB MS ST		AT		19/J9	✓	APH	RF	Ø	
745	BB MS ST		AT		"	✓	"	"	Ø	
745	Heard distant calls from West Of NIKE									
	this party responded with pant hoots									
748	BB leaving the feeding tree									
753	MS leaving the feeding tree									
756	ST leaving the feeding tree then all chimps started moving on ground									
759	BB feeding on THV									
800	MS BB ST		AT		19/J9	✓	THV	THV	Ø	
801	MS Made VD and buttress bangs						Others pant hooted			
803	MS Made VD and buttress bangs				ST		BB joined him Making VD AT didn't respond			
804	MS made VD and buttress bangs				BB ST		joined him Making VD			
815	MS ST BB		AT		NFP OUT				Ø	
821	MS Made VD and buttress bangs hooted						ST pant			

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		
801	MS	4sec						None							Unknown	9
803	MS	6sec						None							Unknown	9
803	BBST	5sec						None							" "	9
804	MS	4sec						None							" "	9
804	BBST	3sec						None							" "	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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
825	MS and ST feeding on CAF young leaves while									
	making food grunts									
827	BB Climbed in to CAF tree making food barks									FBK
	then started feeding on young leaves									
830	MS ST BB		AT		JG BFD	✓	CAF	YL	0	
841	AT grooming BB									
845	MS ST BB		AT		JG BFD	✓	CAF AFR	YL PITH	0	
857	AT grooming BB									
900	ST MS BB		AT		JG RFD	✓	CAF	YL	0	
900	MS grooming BB									
901	Hand clasp		mutual groom	MS <-> BB						Hcg
902	MS groomed BB after hand clasp									
907	BB grooming MS									
908	Hand clasp		mutual groom	ST <-> BB <- MS						Hcg
910	Mutual groom after hand clasp			ST <-> BB						
911	MS and ST both grooming BB									
912	BB grooming ST									
914	MS and BB both grooming ST									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack Duration			Vic ID	Response of victim						Behavioural context	T/G
					1	2	3		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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
915	ST MS BB		AT		J9 BFP				Ø	
915	MS grooming BB									
916	Chain groom MS -> ST -> BB									
920	BB grooming ST									
924	MS grooming BB									
930	ST MS BB		AT		K/J9				Ø	
941	MS Made VD and buttress bungs ST BB joined									
	him making VD AT didn't respond.									
943	MS made VD and buttress bungs ST BB joined									
	him making VD BB made buttress bungs									
945	MS made VD and buttress bungs AT fled pant barking Climb a tree BB ST pant hooted									
945	Chimps entered into THV making food barks									FBK
	then started feeding									
945	ST MS BB		AT		28ext J9	✓	AFR	PHh	Ø	
1000	ST MS BB		AT		"	✓	"	"	Ø	
1008	BB grooming ST									
1015	ST MS BB		AT		28ext J9	✓	THV	THV	Ø	
1015	ST grooming BB									

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
941	MS	4sec						None							Unknown	9
941	ST BB	3sec						None							" "	9
943	MS	6sec						None							" "	9
943	ST BB	5sec						None							" "	9
945	MS	4sec						AT		F		✓			" "	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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1021	BB grooming ST									
1030	ST BB MS		AT		28ext/JG	✓	THV	THV	Ø	
1030	Hand clasp Mutual groom ST ↔ BB									HG
1032	Mutual groom after hand clasp BB ↔ ST									
1033	ST grooming BB after mutual									
1035	BB grooming ST									
1045	ST BB MS		AT		28ext/JG	✓	THV	THV	Ø	
1100	ST BB MS		AT		"	✓	"	"	Ø	
1103	AT approach pant grunting to MS and groomed him									PTG
1115	ST BB MS		AT		28ext/JG	✓	THV	THV	Ø	
1125	Chimps made pant hoots at sametime climb into MMS tree and started feeding									
1130	ST BB MS		AT		F/S	✓	MMS	RF	Ø	
1145	ST BB MS		AT		"	✓	"	"		
1158	Chimps leaving the feeding tree and moving									
1200	ST MS BB		AT		F/S	✓	MMS	RF	Ø	
1201	MS BB climbed into APH tree making food barks									FBK

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?)

KPC BEHAVIOUR

DAY: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1215	MS ST BB		AT		F/S	✓	APH MMS	RF RF	Ø	
1215	MS made wear barks and arm threat against									
	AT who didn't avoid									
1220	MS chased AT who fled pant barking and leave a tree then									
	MS supplanted him									
1226	AT building a day nest tree = Dombea									
	HT = 9m									
1230	ST BB MS		AT		F/S	✓	APH	RF	Ø	
1245	ST BB MS		AT		"	✓	"	"	Ø	
1252	Chimps leaving a feeding tree and moving									
1253	AT leaving a day nest									
1255	MS grooming BB									
1300	ST BB MS		AT		S/KTO				Ø	
1315	ST BB MS		AT		"				Ø	
1330	ST BB MS		AT		"				Ø	
1345	ST BB MS		AT		"				Ø	
1400	ST BB MS		AT		"				Ø	
1401	BB grooming MS									

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
1220	MS			3sec				AT		F		✓			food competetion	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**

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KPC BEHAVIOUR

DAY: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1403	Mutual groom		BB ⟷ MS							
1404	MS grooming BB after mutual									
1407	BB grooming MS									
1410	AT Made pant barks to BB he Ignored									
1410	MS grooming BB									
1415	ST BB MS		AT		S/KTO				Ø	
1430	ST BB MS		AT		"				Ø	
1435	Chimps made pant hoots at same time climbed into CAF tree and started feeding on young leaves									
1445	ST BB MS		AT		S/S1	✓	CAF	YL	Ø	
1500	ST BB MS		AT		"	✓	"	"	Ø	
1515	ST BB MS		AT		"	✓	"	"	Ø	
1518	BB grooming MS									
1530	BB feeding on Phytolacca ripe fruits									
1530	ST BB MS		AT		S/S1	✓	PHY	RF	Ø	
1535	MS and ST also feeding on Phytolacca									
1545	ST BB MS		AT		S/Kyak	✓	PHY	RF	Ø	

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: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1600	ST BB MS		AT		S Kyakisoro	✓	PHY	RF	Ø	
1615	ST BB MS		AT		"	✓	THV	THV	Ø	
1630	ST BB MS		AT		"	✓	"	"	Ø	
1645	ST BB MS		AT		"	✓	LOW	YL	Ø	
1649	Hand clasp Mutual groom BB ↔ ST									Heg
1651	Mutual groom after hand clasp BB ↔ ST									
1652	ST groomed BB after Mutual									
1654	BB grooming ST									
1657	AT grooming MS									
1700	ST BB MS		AT		S Kyakisoro	✓	LOW	YL	BAB	
1715	ST BB MS		AT		"	✓	THV	THV	"	
1730	ST BB MS		AT		"	✓	"	"	"	
1740	MS Made attack (1) to AT with slaps he fled screaming									
1745	ST BB MS		AT		S Kyakisoro	✓	THV	THV	BAB	
1800	ST BB MS		AT		S Kyakisoro				Ø	
1802	BB made waar barks and chased AT who fled screaming									

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
1740	MS				✓			AT		F		✓			Unknown	g
1802	BB			2sec				AT		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**

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KPC BEHAVIOUR

DAY: 16th MONTH: Sept YEAR: 09 KPC: SM OTHERS: FM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1804	MS building a night nest tree				=	D	osp	HT =	10M	
	Dbh = 18 cm									
1805	BB building a night nest tree				=	D	osp	HT =	11m	
	Dbh = 18 cm									
1812	It started raining									RN
1812	AT building a night nest tree				=	D	osp	HT =	11 m	
	Dbh = 15 cm									
1815	ST BB MS		AT		S kyat sob				Ø	
1820	OBS leaving 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?)