DAY 01st MONTH 10 YEAR '09 OBS-PC Fm TMF/40 Sm KJ Tw HOW FOUND N

Time	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	GRID	MNK	SP	PT
Estrus																			1	2											1																
5:45																																															
6:00																																															
6:15																			X	X	X	X									X	X									X		X	M/23		—	—
6:30																			X	X	X	X									X	X									X		X			—	—
6:45																			X	X	X	X									X	X									X		X			—	—
7:00																			X	X	X	X									X	X									X		X	↓		—	—
7:15																			X	X	X	X									X	X									X		X	M/22		—	—
7:30																			X	X	X	X																					X	M/24		—	—
7:45																			X	X	X	X																					X	"		ANE	YL
8:00																			X	X	X	X																					X	"		—	—
8:15																			X	X	X	X																					X	M/24		—	—
8:30																			X	X	X	X																					X	N/25		—	—
8:45																																															
9:00																																															
9:15																															X	X												N/26	MGB	—	—
9:30																															X	X												N/25	BLU	APH	RF
9:45																															X	X												"	"	"	"
10:00																															X	X												N/25	BLU	APH	RF
10:15																															X	X												O/25		FEX	"
10:30																															X	X														"	RF
10:45																															X	X														—	—
11:00																															X	X													MGB	—	—
11:15																															X	X														—	—
11:30																															X	X														—	—
11:45																															X	X														—	—
12:00																															X	X														—	—
12:15																															X	X														—	—
12:30																															X	X												↓	MGB	—	—
12:45																															X	X												O/25		—	—
	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				
13:00																															X	X												O/25		—	—
13:15																															X	X												"		CHT	YL
13:30																															X	X												"		"	"
13:45																															X	X												O/25	RDC	—	—
14:00																															X	X												P/25		—	—
14:15																															X	X												"	BAB	—	—
14:30																															X	X												P/25	"	—	—
14:45																															X	X												P/24		—	—
15:00																															X	X												"		APH	RF
15:15																															X	X												"		—	—
15:30																															X	X												P/24		—	—
15:45																															X	X												P/25		—	—
16:00																															X	X												"		—	—
16:15																															X	X												O/26		—	—
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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	OL	GRID	MNK	SP	PT
Health																			2	1	1	1									1	1									1		2				

COMMENTS OL was heard sneezing and coughing. OU was also coughing. 930–1000 we also had RDT.

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

OU①OT②LR①

KPC BEHAVIOUR

DAY: 01st MONTH: 10 YEAR: 09 KPC: Fm OTHERS: SMKJTW FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
620	Obs arrived at the nest site.									
615		OUOT LR	OGHO	OMOH NP	F/450					
630		OUOT LR	OGHO	OMOH NP	〃					
645		OUOT LR	OGHO	OMOH NP	〃					
700		OUOT LR	OGHO	OMOH NP	F/450					
714	OG leaving the night nest.									
715	OU leaving the night nest.									
715		OUOT LR	OGHO	OMOH NP	F/450					
717	OT leaving the night nest.									
719	Chimps started moving and LR to NP						didnt follow.			
724	Chimps feeding on ANE leaves.									UNF
728	Chimps started moving.									
730		OUOT	OG	OMOH	D/450					
732	Chimps started feeding on ANE again.									UNF
733	OL was heard sneezing.									
745		OUOT	OG	OMOH	D/450	✓	ANE	YL		
746	OU playing with OL by biting.									AP
800		OUOT	OG	OMOH	D/450					

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: 01st MONTH: 10 YEAR: 09 KPC: Fm OTHERS: SMA TWIC FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
815		OLOT	09	OMOL	N/16					
821	OL was heard coughing.									
828	Chimps	climbed into FEx at			B/16					
830		OLOT	09	OMOL	"					
842	Chimps	joined	and J	stopped collecting data.						
914	Chimps	Separated	and J	followed LR LO.						
915		LR	LO		H/15				MGb	
919	LO was heard coughing.									
920	LR, LO	eating brown soil from the roots								
	of a fallen tree.									
922	LR	feeding on DMA ripe fruits.								
925	LR (LO)	climbed into	APH at		E/9.					
930		LR	LO		"	✓	APH	RF	Blu PAT	
945		LR	LO		"	✓	"	"	"	
1000		LR	LO		E/9	✓	APH	RF	"	
1001	Chimps	climbed	down the	feeding tree.						
1013	Chimps	climbed	into the	FEx at	G/3.					

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: 01st MONTH: 10 YEAR: 09 KPC: Fm OTHERS: — FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1015		LR	LO		G/3	✓	FEx	RF		
1030		LR	LO		〃	✓	〃	〃		
1039	LR (LO) building a day nest, 10m high,									
	DBH 15cm (E) sp. Uvariopsis.									
1045		LR	LO		G/3					
1100		LR	LO		〃				Mgb	
1115		LR	LO		〃				〃	
1130		LR	LO		〃				〃	
1145		LR	LO		〃				〃	
1200		LR	LO		〃				〃	
1215		LR	LO		〃				〃	
1230		LR	LO		〃				Mgb	
1245		LR	LO		G/3					
1247	LR (LO) leaving the day nest.									
1300		LR	LO		J/4					
1313	LR feeding on CHT young leaves.									
1315		LR	LO		J/4	✓	CHT	YL		
1330		LR	LO		〃	✓	〃	〃		

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: 01st MONTH: 10 YEAR: 09 KPC: Fm OTHERS: — FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1339	LR (LO)	started moving.								
1345		LR	LO		M/1				PDC PDT	
1400		LR	LO		F/31					
1415		LR	LO		HH/S				BAB	
1427	Heard distant calls from East 07 K30 Red,									
	and LR (LO) didn't respond.									
1430		LR	LO		HH/S				BAB	
1445		LR	LO		Z/1					
1446	LR grooming LO.									
1455	Heard distant calls from South 07 K30									
	Red and LR responded with pant-hoots.									
1500		LR	LO		Z/1	✓	APH	RF		
1515		LR	LO		"					
1516	LR playing with LO by biting.									AP
1522	LO playing alone by swinging.									
1530		LR	LO		Z/1					
1534	LR grooming LO.									
1545		LR	LO		PP/S					

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 Behavior

DAY 01st MONTH 10 YEAR 2009 KPC Fm OTHERS — FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1600		LR	LO		AA /31					
1615		LR	LO		CT /10					
1618	LR, LO feeding on		MAE	ripe	fruits.					
1630		LR	LO		KRD /7					
1632	LR (LO) joined the		party that	was	being					
	followed by KJ SMTH and J stopped									
	collecting data.									

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?)