DAY 11th MONTH Dec YEAR 09 OBS-PC SM FOC-OBS SJ OTHERS JM AG TWIC HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
Estrus																																																			
5:45																																																		
6:00																																																		
6:15																																																		
6:30																																																		
6:45																																																		
7:00																								X	X	X	X			X	X	X	X	X	X			X	X	X	X							N/25	None	FBR	RF
7:15																								X	X	X	X			X	X	X	X	X	X			X	X	X	X										
7:30																								X	X	X	X							X	X																
7:45																								X	X	X	X							X	X														None		
8:00																								X	X	X	X							X	X														BLU		
8:15																								X	X	X	X							X	X															FBR	RF
8:30																								X	X	X	X							X	X															—	—
8:45																								X	X	X	X							X	X															—	—
9:00																								X	X	X	X							X	X															FBR	RF
9:15																								X	X	X	X							X	X																
9:30																								X	X	X	X							X	X																
9:45																								X	X	X	X							X	X																
10:00																								X	X	X	X							X	X															FBR	RF
10:15																								X	X	X	X							X	X														N/25	BLU	—
10:30																								X	X	X	X							X	X														O/25	RDC	—
10:45																								X	X	X	X							X	X															FEX	YL
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															—	—
12:00																								X	X	X	X							X	X															—	—
12:15																								X	X	X	X							X	X															—	—
12:30																								X	X	X	X							X	X															FEX	YL
12:45																								X	X	X	X							X	X														O/25	RDC	—
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU				
13:00																								X	X	X	X							X	X														O/25	RDC	—
13:15																								X	X	X	X							X	X															None	CHT	YL
13:30																								X	X	X	X							X	X															"	"
13:45																								X	X	X	X							X	X															"	"
14:00																								X	X	X	X							X	X															UVA	RF
14:15																								X	X	X	X							X	X															—	—
14:30																								X	X	X	X							X	X															—	—
14:45																								X	X	X	X																							—	—
15:00																								X	X	X	X																							—	—
15:15																								X	X	X	X																						O/25	None	—	—
15:30																																																			
15:45																																			X	X												N/25	MGB	FBR	RF
16:00																																			X	X														—	—
16:15																																			X	X														FEX	RF
16:30																																			X	X																
16:45																																			X	X																
17:00																																			X	X														FEX	RF
17:15																																			X	X														—	—
17:30																																			X	X														—	—
17:45																																			X	X														—	—
18:00																																			X	X												N/25	MGB	—	—
18:15																																																		
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	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
Health																								1	1	1	1			1	2	1	1	1	2			1	1	1	1										

COMMENTS Load AT both have wet cough.

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

AL ① TG ① WL ① KPC Behavior BT ① LR AG ① RO ①

Day 11th Month Dec Year 09 KPC SM Others SJ TW ICAM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
652	OBS arrived to the nest site				Found chimps					
	had already unnested but still around feeding									
	in FBR tree									
700		AL WL LR QV TG	TT AT AT QV WC	TS TD AN	Q/9	V	FBR	RF	Ø	
711	AT was heard coughing (wet cough).									
712	AL WL QT with their families leaving the									
	feeding tree									
715		AL WL LR QV TG	TT AT AT QV WC	AN TS TD	Q/9	V	FBR	RF	Ø	
726	AL WL QT and their families left the									
	party and moved away TW followed them									
730		LR TG	TT LO	TS TD	Q/9	V	FBR	RF	Ø	
749		LR TG	TT LO	TS TD	11	V	FBR	RF	Ø	
800		LR TG	TT LO	TS TD	11	V	11	11	Blu	
815		LR TG	TT LO	TS TD	11	V	11	11	11	
815	Heard this party distant calls from east of K 14 didn't respond.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ IC JM AG Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
818	TG grooming TD									
822	LR approached	TG who	groomed	her						
830		LR TG	TT LO	TS TD	Q/9				BM	
838	TS grooming TG									
845		LR TG	TT LO	TS TD	Q/9				BM	
900		LR TG	TT LO	TS TD	"	✓	FBK	RF	"	
915		LR TG	TT LO	TS TD	"	✓	"	"	"	
930		LR TG	TT LO	TS TD	"	✓	"	"	"	
945		LR TG	TT LO	TS TD	"	✓	"	"	"	
1000		LR TG	TT LO	TS TD	"	✓	"	"	"	
1002	LR (LO)	TT leaving	the	feeding	tree					
1008	TS grooming TG									
1010	TG grooming TS									
1015	TG (TD)	TS leaving	the	feeding	tree					
	and	moving								

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ IC JM Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1015		LR TG	LO TT	TD TS	Q/9				Blu	
1030		LR TG	LO TT	TD TS	F/4				RDC	
1031	Chimps climbed into FEX tree Silent									
	and start feeding on young leaves									
1045		LR TG	LO TT	TD TS	F/4	✓	FEX	YL	RDC	
1100		LR TG	LO TT	TD TS	h	✓	u	u	u	
1112	LR (LO)	build a day nest			With in a feed					
	ing tree HT = 22m									
1115		LR TG	LO TT	TS TD	F/4	✓	FEX	RF	RDC	
1117	TG (TD)	entered into Old nest with in a								
	feeding tree HT = 22m									
1121	TT build a day nest. tree =				COA		HT = 18m			
1130		LR TG	LO TT	TD TS	F/4				RDC	
1145		LR TG	LO TT	TD TS	u				u	
1200		LR TG	LO TT	TD TS	u				u	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ IC TW Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1215		TG LR	TT LO	TS TD	F/4				RDC	
1229	TG TD leaving a day nest									
1230		TG LR	TT LO	TS TD	F/4	✓	Fex	YL	RDC	
1234	LR LO leaving a day nest									
1245		TG LR	TT LO	TS TD	F/4				RDC	
1245	TT leaving a day nest									
1248	TT playing with TS by tickling and									
	make soft bites on each other									
1258	Chimps all climbed down on ground and									
	moving									
1300		TG LR	TT LO	TS TD	F/4				RDC	
1307	LR feeding on CHT young leaves									
1313	TG grooming TT									
1315		TG LR	TT LO	TS TD	H/Krd	✓	CHT	YL	D	
1316	LR feeding on PTE young leaves									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ IC JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1330		TG LR	TT LO	TS TD	J/4	✓	CHT	YL	Ø	
1345		TG LR	TT LO	TS TD	"	✓	"	"	Ø	
1354	TS grooming	TG								
1356	TG grooming	TT								
1359	TT grooming	TG								
1400		TG LR	TT LO	TS TD	K/6	✓	UVA	RF	Ø	
1401	TG grooming	TS								
1403	TG grooming	TT								
1409	TS grooming	TG								
1414	TG grooming	TD								
1414	TS playing with TT by tickling and make soft bites on each other									
1415		TG LR	LO TT	TS TD	K/6				Ø	
1416	TS grooming TT									
1430		TG LR	LO TT	TS TD	K/6				Ø	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ/C JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1434	TG feeding on PTE young leaves									
144.	LR (LO) are out of party									
1444	It started raining									RN
1445		TG	TT	TS TD	M/1				0	
1500		TG	TT	TS TD	N/1					
1515		TG	TT	TS TD	11					
1517	Chimps got lost in the rain while									
	Moving on ground thru dense vegetation									
1537	OBS Found LR (LO) feeding in FBR tree									
	at G/9									
154[illegible]		LR	LO		G/9	N	FBR	RF	MGB	
1600		LR	LO		11				11	
1602	LR (LO)	Climbed down on ground and								
	Moving									
1612	LR (LO) climbed into FEX tree Silent				and start feeding					

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duratio	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?)

KPC Behavior

Day 11th Month Dec Year 09 KPC SM Others SJ IC Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1615		LR	LO		E/11	✓	FEX	RF	MgB	
1630		LR	LO		"	✓	"	"	"	
1640	it stoped raining									
1645		LR	LO		E/11	✓	FEX	RF	MgB	
1700		LR	LO		"	✓	"	"	"	
1703	LR (LO) building a night nest, tree =									
	Albizia HT = 20m DBh = 30cm									
1715		LR	LO		E/11				MgB	
1716	LO was heard coughing (not cough)									
1730		LR	LO		E/11				MgB	
1745		LR	LO		"				"	
1800		LR	LO		"				"	
1802	OBS leaving the nest site.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Context	Height T or G

Copulation

Time	Duratio	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?)