DAY 15th MONTH DEC YEAR '09 OBS-PC Fm FOC-OBS — OTHERS JRAG HOW FOUND N

	ST	YU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	OT	OV	RD	ML	NP	EU	GRID	MNK	SP	PT
Estrus																																																		
5:45																																													M/26		FCP	RF
6:00																																																
6:15																																																
6:30																																																
6:45																																																
7:00																																																
7:15																																																
7:30																																													M96			
7:45																																																
8:00																																																
8:15																																																
8:30																																														FCP	RF
8:45																																																
9:00																																													M/26		PHY	RF
9:15																																													M/27		FBR	"
9:30																																															"	RF
9:45																																															LOW	YL
10:00																																															THV	THV
10:15																																															"	"
10:30																																															—	—
10:45																																															LOW	YL
11:00																																															THV	THV
11:15																																															"	"
11:30																																															THV	THV
11:45																																															—	—
12:00																																															—	—
12:15																																															—	—
12:30																																															—	—
12:45																																														M/27		—	—
	ST	YU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	OT	OV	RD	ML	NP	EU	GRID	MNK	SP	PT
13:00																																														M/27		—	—
13:15																																														"	THV	THV
13:30																																														M/27		"	"
13:45																																														M/26		PHY	RF
14:00																																															—	—
14:15																																															M96	FCP	RF
14:30																																															"		
14:45																																																	
15:00																																																	
15:15																																																	
15:30																																																	
15:45																																																	
16:00																																															RDT			
16:15																																																	
16:30																																																FCP	RF
16:45																																															CAF	YL
17:00																																																
17:15																																																
17:30																																																
17:45																																																
18:00																																																
18:15																																																
18:30																																															FCP	RF
18:45																																															"	"
19:00																																														M/26	RDT	—	—
19:15																																																
19:30																																																
19:45																																																
20:00																																																
20:15																																																
20:30																																																
	ST	YU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	YJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TY	TS	YD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	OT	OV	RD	ML	NP	EU	GRID	MNK	SP	PT
Health					1				2		2																			2	2	1	1	1						2	1			2	1				

COMMENTS PG PB AL AT AZ TNP were coughing. The cough has been worse that LO died.

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

LR①

KPC Behavior

Day 15th Month DEC Year 2009 KPC Fm Others JR AG Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
639	Obs arrived at the nest site late b'se									
	of elephants and found LR already									
	in the feeding tree.									
645		LR			B/27	✓	FCP	RF		
653	PJ PB	joined the party and			PB made					
	non vocal displays and ground slaps, then									
	LR made pant barks.									
656	PJ was heard coughing.									
700	PJ PB	LR			B/27	✓	FCP	RF		
701	PJ was again heard coughing very much.									
707	PB was also heard coughing.									
715	PJ PB	LR			B/27	✓	FCP	RF		
728	NP joined the party.									
729	LR grooming PJ.									
730	PJ PB	LR		NP	B/27	✓	FCP	RF	mob	

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 15th Month DEC Year 2009 KPC Fm Others JR AG KJTW Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	PG PB	LR		NP	B/27	✓	FCP	RF	mgb	
747	NP was heard coughing.									
800	PG PB	LR		NP	B/27	✓	FCP	RF	mgb	
808	AJ ES EH	joined the party and the group made								
	food and pant barks.									
809	PB grooming NP.									
815	PG PB ES AJ	LR		NP EH	B/27	✓	FCP	RF	mgb	
820	PG approached	AJ pant grunting but								
	he didnt respond.									
830	AJ ES PG PB	LR		NP EH	B/27	✓	FCP	RF	mgb	
831	PB grooming AJ.									
832	PG PB	grooming AJ.								
836	Chimps	leaving	the feeding tree.							
838	PG	grooming	AJ.							
839	PG PB	grooming AJ.								

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 15th Month DEC Year 2009 KPC Fm Others KJ TW JR AG Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
840	PB inspected LR by smelling on the Estrous.									
841	Hand clasp mutual groom			PB ⇄ LR						HCG
842	PB grooming LR.									
845	AJ ES PG PB	LR		NP EU	B/27				mgb	
847	AJ inspected LR	by smelling on	the Estrous.							
848	PB Coughed and fed on his	mucus.								
851	Chimps feeding	on PHY	ripe fruit.							UNF
859	ES made non	vocal displays	but							
	no one responded.									
900	AJ ES PG PB	LR		NP EU	C/29 ~		PHY	RF		
908	ES chased LR	who fled screaming,	and							
	PB also made non vocal displays and ground slaps.									
909	PG made non vocal displays and	LR fled								
	screaming. PB also made	non vocal displays and								
	ground slaps but	no one responded.								

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
859	ES		9secs					None							Unknown	G
908	ES			4secs				LR		F	✓				Unknown	G
908	PB		11secs					None							Unknown	G
909	PG		6secs					LR		F	✓				Social excitement	G
909	PB		4secs					None							" "	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?)

QT ①

KPC Behavior

Day 15th Month DEC Year 2009 KPC Fm Others KJ TW JR AG Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
910	chimps	climbed	into FBR at		C/29	but	others fed			
914	QT (QV)	joined the	party.					on UVA.		
915	PB	grooming QT.								
915	AJ ES PG PB	LR QT	QV	NP EH	C/29	✓	UVA FBR	RF		
930	AJ ES PG PB	LR QT	QV	NP EH	〃	✓	〃	〃		
935	PB	grooming QT.								
937	QT	grooming PB.								
939	chimps	leaving the	feeding trees.							
945	AJ ES PG PB	LR QT	QV	NP EH	C/29	✓	LOW	YN		
950	chimps	separated and		FM KJ						
	followed	PG NP.								
1000	PG			NP	F/29	✓	THN	THN		
1015	PG			NP	〃	✓	〃	〃		
1030	PG			NP	〃					
1045	PG			NP	F/29	✓	LOW	YN		

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?)

932 QT was heard coughing.

KPC Behavior

Day 15th Month DEC 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
1100	PG			NP	F/29	✓	THN	THN		
1115	PG			NP	"	✓	"	"		
1130	PG			NP	"	✓	"	"		
1145	PG			NP	F/29					
1145	PG	grooming	NP.							
1146	NP	grooming	PG.							
1154	PG	grooming	NP.							
1156	NP	grooming	PG.							
1159	PG	grooming	NP.							
1200	PG			NP	F/29					
1200	NP	grooming	PG.							
1215	PG			NP	F/29					
1230	PG			NP	"					
1245	PG			NP	"					
1256	PG	grooming	NP.							

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 15th Month DEC Year 2009 KPC Fm Others KJ TW JR Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1300	PG			NP	F/29					
1302	NP grooming PG									
1315	PG			NP	F/29	✓	THN	THN		
1330	PG			NP	〃	✓	〃	〃		
1342	NP feeding on PHH.									
1345	PG			NP	F/29	✓	PHH	RF		
1353	PG grooming NP.									
1354	NP grooming PG.									
1400	PG			NP	C/29					
1413	Chimps climbed into FCP.									
1415	PG			NP	B/27	✓	FCP	RF	mgk	
1430	PG			NP	〃	✓	〃	〃	〃	
1445	PG			NP	〃	✓	〃	〃		
1500	PG			NP	〃	✓	〃	〃		
1515	PG			NP	B/27	✓	FCP	RF		

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 15th Month Dec Year 2009 KPC Fm Others KJ TW JR Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1530	pg			NP	B/27	✓	FLP	RF		
1545	pg			NP	〃	✓	〃	〃		
1600	pg			NP	B/27	✓	〃	〃	RST	
1607	pg leaving the feeding tree.									
1613	pg got some leaves and moved into an old									
	nest, then improved it, 10m high, DBH									
	18cm (E) sp. Diospyrus.									
1615	pg			NP	B/27	✓	FLP	RF	RST	
1630	pg			NP	〃	✓	〃	〃	〃	
1640	NP leaving the feeding tree.									
1645	pg			NP	B/27	✓	CAF	YL	RST	
1700	pg			NP	〃				〃	
1703	NP building a night nest, in				poor	view.				
1715	pg			NP	B/27				RST	
1730	pg			NP	〃				〃	

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?)

AL ①

KPC Behavior

Day 15th Month DEC Year 2009 KPC Fm Others KJ TW Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745	PG			NP	B/27				PST	
1800	PG			NP	〃				〃	
1814	AL family joined the party and									
	no calls were made.									
1815	PG	AL	ATAZ	NPAM	B/27				PST	
1816	AL was heard coughing.									
1817	AT was also heard coughing.									
1830	PG	AL	ATAZ	NPAM	B/27	✓	FLP	RF	PST	
1845	PG	AL	ATAZ	NPAM	〃	✓	〃	〃	〃	
1853	chimps leaving the feeding tree.									
1900	PG	AL	ATAZ	NPAM	B/27				PST	
1902	Obs leaving but AL family had not									
	yet nested.									

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?)