DAY 14th MONTH Oct YEAR 09 OBS-PC SM TMF/40 FM SJ TW 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	DL	AN	GRID	MNK	SP	PT
Estrus													3						2									1			1				1	1												
5:45																																																
6:00																																																
6:15																																																
6:30	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X	O/27	None	—	—
6:45	X	X	X	X	X	X	X				X	X	X	X														X							X	X										—	—
7:00	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X		X	CHI	YL
7:15	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X		None	"	"
7:30	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X		BWC	FCP	RF
7:45	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X	O/27	"	"	"
8:00	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X	N/27	None	CHI	YL
8:15	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X			—	—
8:30	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X			CHI	YL
8:45	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X	N/27	None	—	—
9:00	X	X	X	X	X	X	X	X			X	X	X	X														X	X	X					X	X	X			X		X	X	N/28	X	FBR	RF
9:15																																																
9:30																																																
9:45																																																
10:00																																																
10:15																																																
10:30																																																
10:45																																																
11:00																																																
11:15																																																
11:30																																																
11:45																																																
12:00																																																
12:15																																																
12:30																																																
12:45																																																
	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	DL	AN	GRID	MNK	SP	PT
13:00																																																
13:15																																																
13:30																																																
13:45																																																
14:00											X																																			M/27	None	FCP	RF
14:15			X						X		X																	X	X	X																		
14:30			X																									X	X	X																		
14:45			X																									X	X	X																		
15:00			X																									X	X	X																		
15:15			X																									X	X	X																		
15:30			X																									X	X	X																		
15:45			X																									X	X	X																		
16:00			X																									X	X	X																		
16:15	X	X	X	X	X	X	X	X			X	X	X	X					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				
16:45											X								X	X	X							X	X	X							X			X		X	X				
17:00											X								X	X	X							X	X	X							X			X		X	X				
17:15																			X	X	X							X	X	X							X			X		X	X				
17:30																			X	X	X							X	X	X							X			X		X	X	M/27	None	THV	THV
17:45																																																
18:00																																																
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	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	DL	AN	GRID	MNK	SP	PT
Health	1	1	1	4	1	1	1	1	1	1	1	1	4	2	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				

COMMENTS AJ has afresh wound on Ankle of his left foot and BL has a wound on Wrist of her right hand.

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

Comments We Abandoned chimps around 905 Am again 1735 PM b'se of elephants. Juvie RDead ELE at 900.

BL (3) OU (1) WL (1) BU (1) OT (2) QT (1) AL (1)

KPC Behavior

Day 14th Month Oct Year 09 KPC SM Others FMSJTW Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
618	OBs arrived to the nest site found some									
	ID's have already unnested but still									
	around at 13/15									
630	KK AJ BB TJ PG YB LK ST MS TU PB	BL OT OU WL QT AL BU	BO QV OG AT WC AZ	OM NP OL AN	13/15				Ø	
634	OT leaving aright nest									
642	PG Moved towards BL for copulation then KK									
	ST AJ Made woar barks against him then									
	AJ chased PG who fled screaming PG									
	approach YB while screaming YB ignored									
644	LK made NVD and attack (1) to BL with									
	kicks she screamed but not avoid									
645	KK MS YB AJ PB TU LK BB ST PG TJ	BL OT OU WL QT AL BU	BO QV AT OG WC AZ	OM NP OL AN	17/JG				Ø	
648	LK made NVD and KK joined him with									
	NVD PG fled silent									
700	KK BB YB TJ TU AJ MS PG LK PB ST	AL OU WL QT OT BL BU	OG AZ QV AT BO WC	OM NP OL AN	17/JG	✓	CHT	YL	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
642	AJ			6sec				PG		F	Scream				sexual competition	T
644	LK		5sec		✓			BL	✓		Scream				unknown	G
648	LK		6sec					PG		F	Silent				" "	G
648	KK		5sec					None							" "	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
646	6sec	BL	BB	yes	NO	NO	NO	BB	BO interfered they ignored
700	7sec	BL	TU	NO	NO	NO	NO	TU	
701	8sec	BL	AJ	NO	NO	NO	NO	AJ	
705	4sec	BL	ST	NO	NO	NO	NO	ST	

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 14th Month Oct Year 09 KPC SM Others FM SJ TW JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
708	Silent cop. no dart appro. M->F 4sec no groom									CP KK->BL
	no Interference.									
715	KK AJ BB TU PB LK MS YB PG TJ ST	BL OT WL BU OU QT AL	OG AT QN BO AZ WC	OM NP OL AN	JG 17	✓	CHT	JL	Ø	
724	LK grooMed AJ Shortly									
727	YB Made NVD but no one responded									
729	LK grooming YB									
730	KK AJ BB TU PB LK MS YB PG TJ ST	BL OT WL BU OU QT AL	OG AT QN BO AZ WC	OM NP OL AN	19 OLT	✓	FCP	RF	BWC	
731	BL has awound on wrist of her right hand									
733	silent cop no dart appro. M->F 6sec no groom									CP YB->BL
740	AJ has afresh wound on ANKle of his left foot									
745	KK AJ TU PG YB LK MS ST PB BB TJ	BL OT WL BU OU QT AL	OG AT QN BO AZ WC	OM NP OL AN	19 OLT	✓	FCP	RF	BWC	
748	KK TU ST made joint NVD AJ fled screaming climb. atree and LK fled silent also climbing atree									
800	KK TU LK ST BB PB YB AJ MS PG TJ	BL QT WL OT OU AL BU	BO QN OG WC AT AZ	NP OM OL AN	OLT Krd	✓	CHT	YL	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
727	YB		4sec					None							Unknown	G
748	KK TU ST		12sec					AJ LK		F	scream				Unknown	G

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
749	6sec	BL	PG	yes	NO	NO	NO	PG	BO Interfered by waarbark
751	4sec	BL	TU	NO	NO	NO	NO	TU	
754	8sec	BL	BB	NO	NO	NO	NO	BB	

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?)

726 Some ID's climbed into FCP tree and feeding on ripe fruits Silent.

KPC Behavior

Day 14th Month Oct Year 09 KPC SM Others FM SJ TW JM Found N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
808	BB made NVD and chased TJ who fled									
	screaming									
809	pg made NVD and attack (1) to BL with									
	akick she screamed but not avoid.									
811	KK BB LK made joint NVD towards MS									
	and BL who fled screaming climbing tree									
814	Hand clasp Mutual groom TU ↔ BB ← MS									Hcg
815	KK TU LK SJ BB AJ pg MS TJ	BL OU OT DU WL BU AL	BO AT OG AZ WC DN	NP OM OL AN	OLT Krd				Ø	
816	Mutual groom after hand clasp TU ↔ BB									
817	BO was heard sneezing									
818	MS grooming ST									
820	Some ID's feeding on THV in adense vege									
	tation									
821	Hand clasp Mutual groom MS ↔ ST									Hcg
822	AJ chased OG who fled screaming, OU made pant hoots									

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
808	BB		3sec	3sec				TJ		F	Scream				Unknown	g
809	PG		4sec		✓			BL	✓		Scream				" "	g
811	KKBBLK		8sec					MSBL		F	Scream				Sexual competition	g
822	AJ			2sec				OG		F	Scream				Unknown	g

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
816	7sec	BL	LK	NO	yes	NO	NO	LK	LK groomed BL

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 14th Month Oct Year 09 KPC SM Others FM SJ TW JM Found N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
823	Ms groomed ST after hand clasp									
830	KK TU AJ pg PB LK ST BB YB TJ MS	OU BU WL AL BL OT QT	OG WC AT BO QN AZ	NP OM OL AN	OLT Krd	✓	CHT THV	YL THV	Ø	
834	Hand clasp Mutual groom Tu ↔ ST ← MS									Hcg
836	ST groomed Tu after hand clasp									
845	KK TU AJ pg PB LK ST BB YB TJ MS	OU BU WL AL BL OT QT	OG WC AT BO QN AZ	NP OM OL AN	OLT Krd				Ø	
859	Chimps climbed into FBR tree while maki									FBK
	ng food barks then feeding on ripe fruits									
900	KK TU AJ pg PB LK ST BB YB TJ MS	OU BU WL AL BL OT QT	OG WC AT BO QN AZ	NP OM OL AN	KIM Krd	✓	FBR	RF	ELE RDC	
905	OBS We Abandoned chimps in FBR tree b'se of Elephants at Kitokoma/Krd.									
1350	OBS Found PB alone in FCP tree feeding									
	on ripe fruits at S/JG									
1400	PB				S/JG	✓	FCP	RF	Ø	
1407	Other ID's joined PB in FCP tree they made									FBK
	food barks									
1415	PG BB PB YB	AL LR	LO AZ AT	AN		✓	FCP	RF	Ø	

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
842	8sec	BL	KK	No	yes	NO	NO	KK	KK groomed BL
858	8sec	BL	PB	NO	No	NO	No	PB	

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 14th Month Oct Year 09 KPC SM Others SJ FM TW Found ET

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1419	YB Moved towards PB who avoid casual									
	Screaming YB Supplanted him									
1425	BB PG PB and LR (Lo) leaving the feeding									
	free and moved away									
1430	YB	AL	AT AZ	AN	S/JG	✓	FCP	RF	Ø	
1439	AL grooming AZ									
1443	AT building a day nest with in a feeding free									
	HT = 20 M									
1445	YB	AL	AT AZ	AN	S/JG	✓	FCP	RF	Ø	
1459	AT leaving a day nest									
1500	YB	AL	AT AZ	AN	S/JG	✓	FCP	RF	Ø	
1507	YB grooming AL									
1511	WL and GI with their families joined									FBK
	the party WL GI made food banks									
1515	YB	WL AL GI	GW AT WE AZ	AN	S/JG	✓	FCP	RF	Ø	

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 14th Month Oct Year 09 KPC SM Others SJ FM TW Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1530	YB	WL AL QT	QN AZ AT WC	AN	S/JG	✓	FCP	RF	Ø	
1543	Heard distant calls from east of K 14									
	this party responded with pant hoots									
1545	YB	WL AL QT	QN AZ AT WC	AN	S/JG	✓	FCP	RF	Ø	
1558	Chimps leaving the feeding tree and									
	Moving on ground									
1600	YB	WL AL QT	QN AZ AT WC	AN	S/JG	✓	CHT	YL	Ø	
1613	Chimps joined other Individuals in THV but									
	no calls made									
1615	KK YB LK MSU AJ BB ST TJ PB PG	WL AL OU BU BL LR OT QT	LO WC BO AT OG QN AZ	AN OL NP OM	2G/JG	✓	THV	THV	Ø	
1627	Chimps separated into two groups other									
	ID's Moved heading into elephants, we									
	followed PB AL AN AZ and QT OU with their families									
1630	PB	AL OU QT DT	QN AZ OG	AN OL OM	S/JG				Ø	
1633	OT climbed into FCP tree and feeding Others feeding on THV									

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?)

1611 YB feeding on MDR young leaves

KPC Behavior

Day 14th Month Oct Year 09 KPC SM Others SJ FMTW Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1645	PB	AL OU QT OT	QN OG AZ	AN OL OM	S/JG	✓	FCP THV	RF THV	Ø	
1653	OT — leaving the feeding tree and									
	Moving									
1700	PB	AL OU QT OT	QN OG AZ	AN OL OM	S/JG	✓	FEX THV	YL THV	Ø	
1703	PB left the party and moved away									
1715		AL OU QT OT	QN OG AZ	AN OL OM	S/JG	✓	FEX THV	YL THV	Ø	
1719	Chimps leaving the feeding and Moving									
1725	Om playing with OL by touching each other									
1730		AL OU OT QT	QN OG AZ	AN OL OM	S/JG	✓	THV	THV	Ø	
1735	Chimps moved heading into elephant While									
	feeding on THV we Abandoned them									
	at S/JG logged area..									

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?)